

****SECOND AMENDMENT (4/4/16, 4:45 PM)
*AMENDED (3/31/16, 3:30 PM)
AGENDA
ORO VALLEY TOWN COUNCIL
REGULAR SESSION
April 6, 2016
ORO VALLEY COUNCIL CHAMBERS
11000 N. LA CAÑADA DRIVE**

REGULAR SESSION AT OR AFTER 5:00 PM

CALL TO ORDER

ROLL CALL

EXECUTIVE SESSION - Pursuant to ARS 38-431.03(A)(1) Personnel Matter - Town Manager's annual performance review

REGULAR SESSION AT OR AFTER 6:00 PM

CALL TO ORDER

ROLL CALL

PLEDGE OF ALLEGIANCE

UPCOMING MEETING ANNOUNCEMENTS

COUNCIL REPORTS

- Spotlight on Youth

DEPARTMENT REPORTS

The Mayor and Council may consider and/or take action on the items listed below:

ORDER OF BUSINESS: MAYOR WILL REVIEW THE ORDER OF THE MEETING

INFORMATIONAL ITEMS

1. Councilmember Garner and Councilmember Zinkin - 2016 NLC Congressional City Conference Trip Report
2. Letter of Appreciation - Parks & Recreation

CALL TO AUDIENCE – At this time, any member of the public is allowed to address the Mayor and Town Council on any issue *not listed on today's agenda*. Pursuant to the Arizona Open Meeting Law, individual Council Members may ask Town Staff to review the matter, ask that the matter be placed on a future agenda, or respond to criticism made by speakers. However, the Mayor and Council may not discuss or take legal action on matters raised during “Call to Audience.” In order to speak during “Call to Audience” please specify what you wish to discuss when completing the blue speaker card.

PRESENTATIONS

1. Proclamation - National Public Safety Telecommunicators Week, April 10-16, 2016

CONSENT AGENDA

(Consideration and/or possible action)

- A. Minutes - March 2, 2016
- B. Fiscal Year 2015/16 Financial Update through January 2016
- C. Request for approval of an amended Final Plat for Campo Bello, Tract 1, located at the northwest corner of Hardy Road and Calle Buena Vista
- D. Request for approval of the Mattamy Homes Rancho Vistoso Parcel 5F Final Plat, located on the northeast corner of Rancho Vistoso Boulevard and Moore Road
- E. Request for approval of a Block Plat amendment to the Hohokam Mesa Final Plat, located on the southeast corner of Rancho Vistoso Boulevard and Moore Road
- F. Resolution No. (R)16-13, authorizing and approving an Intergovernmental Agreement (IGA) between Pima County and the Town of Oro Valley for the Pima County Wireless Integrated Network (PCWIN) subscriber services
- G. *Change of regular Council meeting date from Wednesday, May 18, 2016 to Thursday, May 19, 2016 (Item added on 3/31/16)

REGULAR AGENDA

1. RESOLUTION NO. (R)16-14, APPROVING A MEMORANDUM OF UNDERSTANDING BETWEEN THE PUBLIC SAFETY EMPLOYEES AND THE TOWN OF ORO VALLEY PURSUANT TO CHAPTER 4, SECTION 4-1-8 OF THE TOWN CODE, PUBLIC SAFETY EMPLOYEE RELATIONS AND PROCESSES
2. PRESENTATION OF TOWN MANAGER'S RECOMMENDED BUDGET FOR FISCAL YEAR 2016/17 (FY 2016/17 Recommended Budget Document added on 4/6/16 at 12:30 p.m.)

3. ~~**PUBLIC HEARING: ORDINANCE NO. (O)16-04, REZONING AN APPROXIMATELY 141 ACRE PROPERTY LOCATED ON THE SOUTHEAST CORNER OF LA CHOLLA BOULEVARD AND LAMBERT LANE FROM R1-144 TO R1-43 AND USE OF MINIMUM LOT SIZE, BUILDING HEIGHT AND MODIFIED REVIEW PROCESS FLEXIBLE DESIGN OPTIONS (Removed from the agenda on 4/4/16 at 4:45 p.m. per the request of the applicant)~~
4. AMENDING SECTIONS 28 AND 27.5 OF THE ORO VALLEY ZONING CODE RELATING TO LIGHTING FOR SIGNS
 - a. RESOLUTION NO. (R)16-15, DECLARING THE PROPOSED AMENDMENT TO SECTION 28 AND RELATED SECTIONS OF THE ORO VALLEY ZONING CODE REGARDING SIGN LIGHTING, A PUBLIC RECORD
 - b. PUBLIC HEARING: ORDINANCE NO. (O)16-05, AMENDING SECTION 28 AND RELATED SECTIONS OF THE ORO VALLEY ZONING CODE REVISED TO ESTABLISH LIGHTING STANDARDS FOR SIGNS
5. ~~**PUBLIC HEARING: ORDINANCE NO. (O)16-06, AMENDING SECTION 22.9 OF THE ORO VALLEY ZONING CODE REVISED RELATED TO MINOR FINAL PLAT AMENDMENTS (Removed from the agenda on 4/4/16 at 4:45 p.m.)~~
6. DISCUSSION AND POSSIBLE DIRECTION REGARDING AN ORDINANCE ELIMINATING ENGINE BRAKING IN THE TOWN LIMITS OF ORO VALLEY
7. DISCUSSION AND POSSIBLE DIRECTION REGARDING PLACING A QUESTION TO SELL TOWN ASSETS ON THE BALLOT AT AN UPCOMING ELECTION

FUTURE AGENDA ITEMS (The Council may bring forth general topics for future meeting agendas. Council may not discuss, deliberate or take any action on the topics presented pursuant to ARS 38-431.02H)

CALL TO AUDIENCE – At this time, any member of the public is allowed to address the Mayor and Town Council on any issue *not listed on today's agenda*. Pursuant to the Arizona Open Meeting Law, individual Council Members may ask Town Staff to review the matter, ask that the matter be placed on a future agenda, or respond to criticism made by speakers. However, the Mayor and Council may not discuss or take legal action on matters raised during “Call to Audience.” In order to speak during “Call to Audience” please specify what you wish to discuss when completing the blue speaker card.

ADJOURNMENT

POSTED: 3/30/16 at 5:00 p.m. by mrs

AMENDED AGENDA POSTED: 3/31/16 at 5:00 p.m. by mrs

SECOND AMENDED AGENDA POSTED: 4/4/16 at 5:00 p.m. by mrs

When possible, a packet of agenda materials as listed above is available for public inspection at least 24 hours prior to the Council meeting in the office of the Town Clerk between the hours of 8:00 a.m. – 5:00p.m.

The Town of Oro Valley complies with the Americans with Disabilities Act (ADA). If any person with a disability needs any type of accommodation, please notify the Town Clerk's Office at least five days prior to the Council meeting at 229-4700.

INSTRUCTIONS TO SPEAKERS

Members of the public have the right to speak during any posted public hearing. However, those items not listed as a public hearing are for consideration and action by the Town Council during the course of their business meeting. Members of the public may be allowed to speak on these topics at the discretion of the Chair.

If you wish to address the Town Council on any item(s) on this agenda, please complete a speaker card located on the Agenda table at the back of the room and give it to the Town Clerk. **Please indicate on the speaker card which item number and topic you wish to speak on, or if you wish to speak during "Call to Audience", please specify what you wish to discuss when completing the blue speaker card.**

Please step forward to the podium when the Mayor announces the item(s) on the agenda which you are interested in addressing.

1. For the record, please state your name and whether or not you are a Town resident.
2. Speak only on the issue currently being discussed by Council. Please organize your speech, you will only be allowed to address the Council once regarding the topic being discussed.
3. Please limit your comments to 3 minutes.
4. During "Call to Audience" you may address the Council on any issue you wish.
5. Any member of the public speaking must speak in a courteous and respectful manner to those present.

Thank you for your cooperation.



Town Council Regular Session

Item # 1.

Meeting Date: 04/06/2016

Submitted By: Arinda Asper, Town Manager's Office

Information

Subject

Councilmember Garner and Councilmember Zinkin - 2016 NLC Congressional City Conference Trip Report

Attachments

Garner Zinkin NLC 2016 Congressional City Conference Trip Report



Office of the Town Council

Trip Report

Purpose: 2016 National League of Cities Congressional City Conference

Date: March 5 - 9, 2016

Location: Marriott Wardman Park Hotel
Washington, D.C.

Attendees: Councilmember Bill Garner
Councilmember Mike Zinkin

Summary:

The National League of Cities (NLC) 2016 Congressional City Conference is an annual legislative forum that brings together more than 2,000 elected and appointed city leaders to focus on the federal policy issues that are important to local governments. In addition to providing opportunities to learn about innovative practices implemented at the local level, the conference connected city leaders from across the country with NLC - the organization that members of Congress, the White House, and federal agencies look to for solutions to addressing the nation's most pressing challenges. The conference offered city leaders from across the country a unique opportunity to gain valuable insights and influence actions in Washington that impact local communities, and to learn of available federal programs, funding opportunities and resources.

Key topics addressed at this year's conference included:

- Economic development strategies for local officials
- Federal programs and opportunities for local government
- The role of new technology in improving public safety and citizen engagement
- Differing federal and local perspectives on infrastructure financing and sustainability

Councilmember Zinkin has been appointed to the NLC 2016 Community and Economic Development Steering Committee. Letter of appointment and meeting agendas are attached.

Report submitted to the Town Clerk on March 25, 2016

Bill Garner
Councilmember

Mike Zinkin
Councilmember



2016 Officers

President

Melodee Colbert-Kean
Councilmember
Joplin, Missouri

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Ralph E. Becker
Mayor
Salt Lake City, Utah

Chief Executive Officer/
Executive Director

Clarence E. Anthony

Deputy Executive Director

Antoinette A. Samuel

December 7, 2015

Dear Community and Economic Development Committee Member:

On behalf of the National League of Cities (NLC), I am writing to congratulate you on your appointment to the 2016 Community and Economic Development Committee. Your experience and commitment will bring great value to NLC, communities around the country and the efforts of the committee. Your term begins with the receipt of this notification and concludes at the adjournment of the 2016 City Summit in Pittsburgh, Pennsylvania, in November.

This year's Committee leadership team consists of Chair Craig Thurmond, mayor, Broken Arrow, Oklahoma and Vice Chair(s) Gyna Bivens, councilmember, Fort Worth, Texas and Gerri Schroder, councilwoman, Henderson, Nevada. The NLC staff contact for your committee is Michael Wallace. Michael can be reached directly at 202-626-3025 or by e-mail at Wallace@nlc.org. All of us at NLC look forward to working with you in this capacity this year.

I hope you are already planning to attend NLC's Congressional City Conference March 5-9 at the Marriott Wardman Park Hotel in Washington, D.C., and to join us for important committee meetings that will take place during the conference. Your participation at these meetings is important as the committee will begin developing a work plan for the year. To assist you in preparing for the meetings, NLC will e-mail meeting materials and room locations in early March. Optional events may take place before the committee meetings, and we will send you that information as soon as it is available.

To register for the Congressional City Conference, [click here](#).

Finally, attached is a hometown press release, which I encourage you to personalize and share with your local media. If you have any questions regarding media relations, please contact Tom Martin at martin@nlc.org.

Again, congratulations on your appointment and I look forward to working with you next year.

Sincerely,

Melodee Colbert-Kean
President
National League of Cities

NATIONAL
LEAGUE
of **CITIES**



FEDERAL ADVOCACY

COMMUNITY AND ECONOMIC DEVELOPMENT

FEDERAL ADVOCACY COMMITTEE MEETING

NLC CONGRESSIONAL CITIES CONFERENCE
WASHINGTON, DC

Meeting

Marriott Wardman Park
Washington Room 2
Sunday, March 6, 2016
1:30 p.m. – 4:00 p.m.

Presiding

The Honorable Gyna Bivens,
Vice Chair
Councilmember
Fort Worth, Texas

The Honorable Craig Thurmond,
Chair
Mayor
Broken Arrow, Oklahoma

The Honorable Gerri Schroder,
Vice Chair
Councilwoman
Henderson, Nevada

NLC Staff

Michael Wallace
Program Director, Federal Advocacy
(202) 626-3025
Wallace@nlc.org

**COMMUNITY AND ECONOMIC DEVELOPMENT
FEDERAL ADVOCACY COMMITTEE MEETING AGENDA**

1:30 PM WELCOME AND MEETING OVERVIEW

- The Honorable Craig Thurmond, Chair
Mayor, Broken Arrow, Oklahoma

1:45 PM NEW MEMBER AND CORPORATE PARTNER RECOGNITION

- The Honorable Gyna Bivens, Vice Chair
Councilmember, Fort Worth, Texas

1:50 PM CED REVIEW OF 2015

- The Honorable Gerri Schroder, Vice Chair
Councilwoman, Henderson, Nevada

The Committee will hear an overview of the work the committee accomplished last year to help inform the development of a 2016 work plan.

**2:00 PM OVERVIEW OF THE 2016 NLC FEDERAL PRIORITIES AND
ADVOCACY STRATEGY AND DISCUSSION**

- Michael Wallace
*Program Director, Federal Advocacy, National League of Cities,
Washington, DC*

Learn about NLC's 2016 federal priorities and advocacy strategy, including how you can take action.

**2:20 PM PRESENTATION: RETHINKING ECONOMIC DEVELOPMENT -
LESSONS FROM SIERRA VISTA, AZ**

- The Honorable Rachel Gray
Council Member, Sierra Vista, Arizona

Like many cities, the city of Sierra Vista, Arizona wanted to make economic development a priority. To that end, the city recently redirected municipal funds away from an economic development foundation that was not meeting expectations, and toward the opening of a city controlled Office of Economic Development.

**2:40 PM PRESENTATIONS: FEDERAL AND LOCAL PERSPECTIVES ON
SAFE, AFFORDABLE, AND FAIR HOUSING**

Session 1: Bringing Safe Affordable Housing to Your City

- Housing and Community Development Team
The Institute for Building Technology and Safety (IBTS)

COMMUNITY AND ECONOMIC DEVELOPMENT
FEDERAL ADVOCACY COMMITTEE MEETING AGENDA

IBTS is a non-profit founded to provide services for the public good, with the aim of benefiting communities, governments and the planet. Housing and community development are among their areas of practice. This presentation will provide a local practitioner/administrator view of increasing affordable housing in cities throughout the U.S., and what IBTS is doing to help cities in the areas of Building Codes/Inspections and CDBG funding to support affordable housing outcomes.

Session 2: Cities Responsibilities and Compliance with the Fair Housing Act

HUD enacted new regulations regarding the way state and local governments demonstrate compliance with the Fair Housing Act. The new rules impact local planning and development practices and include considerations of data showing the placement of affordable housing, racially concentrated areas of poverty, and access to education, employment, transportation and environmental health. This presentation will provide a federal/Administration view of cities responsibilities in promoting fair and affordable housing.

3:30 PM INFRASTRUCTURE WEEK

- **Zachary Schafer**
Executive Director, Infrastructure Week

Infrastructure Week, taking place this year May 16-23, is held annually to highlight the importance of investment in public infrastructure. The committee will hear about NLC's involvement in Infrastructure Week as an affiliate organization, and about how individuals and their cities can get involved in the effort.

**COMMUNITY AND ECONOMIC DEVELOPMENT
FEDERAL ADVOCACY COMMITTEE MEETING AGENDA**

3:45 PM DEVELOPING A COMMITTEE WORKPLAN FOR 2016

- The Honorable Craig Thurmond, Chair
Mayor, Broken Arrow, Oklahoma

One goal of NLC's strategic plan is to proactively drive federal policy within NLC and on behalf of cities and towns. Last year, the CED Committee coordinated its advocacy plan with the Transportation and Infrastructure Committee and achieved a major community and economic development victory with enactment of the DRIVE Act, and long term transportation and infrastructure bill.

This year, to build on that success, the Committee may want to consider a workplan focused on ensuring every citizen has access to the opportunities that housing and development programs make possible. For this discussion, if time permits, the committee will break into small groups assigned according to specific topics within the CED policy chapter and report back on issues to undertake for advocacy this year. Following the report back, the committee will adopt a plan for revising the CED policy chapter as part of its 2016 work plan.

*Next CED Committee meeting:
Summer Leadership Forum
Kansas City, MO
June 28-30, 2016*

NLC POLICY DEVELOPMENT AND ADVOCACY PROCESS

As a resource and advocate for more than 19,000 cities, towns and villages, the National League of Cities (NLC) brings municipal officials together to influence federal policy affecting local governments. NLC adopts positions on federal actions, programs and proposals that directly impact municipalities and formalizes those positions in the *National Municipal Policy (NMP)*, which guides NLC's federal advocacy efforts.

NLC divides its advocacy efforts into seven subject areas:

- Community and Economic Development
- Energy, Environment and Natural Resources
- Finance, Administration and Intergovernmental Relations
- Human Development
- Information Technology and Communications
- Public Safety and Crime Prevention
- Transportation and Infrastructure Services

For each of the seven issue areas, a Federal Advocacy Committee advocates in support of NLC's federal policy positions. Members of each Committee serve for one calendar year, and are appointed by the NLC President.

Federal Advocacy Committees

Federal Advocacy Committee members are responsible for advocating on legislative priorities, providing input on legislative priorities, and reviewing and approving policy proposals and resolutions. Additionally, Committee members engage in networking and sharing of best practices.

Federal Advocacy Committees are comprised of local elected and appointed city and town officials from NLC member cities. NLC members must apply annually for membership to a Federal Advocacy Committee. The NLC President makes appointments for chair, vice chairs, and general membership. In addition to leading the Federal Advocacy Committees, those appointed as Committee chairs will also serve on NLC's Board of Directors during their leadership year.

At the Congressional City Conference, Federal Advocacy Committee members are called upon to advocate for NLC's legislative priorities on Capitol Hill, as well as develop the committee's agenda and work plan for the year. Committee members meet throughout the year to further the plan, hear from guest presenters, discuss advocacy strategies and develop specific policy amendments and resolutions. At the Congress of Cities, Committee members review and approve policy proposals and resolutions. These action items are then forwarded to NLC's Resolutions Committee and are considered at the Annual Business Meeting, also held during the Congress of Cities.

Advocacy

Throughout the year, Committee members participate in advocacy efforts to influence the federal decision-making process, focusing on actions concerning local governments and communities. During the Congressional City Conference, Committee members have an opportunity, and are encouraged, to meet with their congressional representatives on Capitol Hill. When NLC members are involved in the legislative process and share their expertise and experiences with Congress, municipalities have a stronger national voice, affecting the outcomes of federal policy debates that impact cities and towns.

National League of Cities Announces 2016 Federal Priorities

By Clarence Anthony, CEO & Executive Director, National League of Cities
February 19, 2016

Nearly seven years after the Great Recession, *many of you are reporting* improvement in your local economy. Job growth, increasing residential property values, and retail sector health are helping to put cities on a stronger fiscal footing. Despite cuts in federal and state aid, you continue to raise the bar, increasing citizen engagement and government transparency and improving the quality and accessibility of city services.

However, we know there is another side to this story. While we see an *economy* that continues to outpace the rest of the world in innovation and entrepreneurship, we also see one weighed down by slow productivity growth and stagnant wages. *Critical infrastructure* across the nation is in a state of neglect and disrepair. Rising home prices are helping replenish local tax bases, but at the same time exacerbate the affordable housing crisis.

Cities work best when the economy works for every resident. True to the founding principles of this organization more than 90 years ago, we believe when the most trusted level of government has the authority to implement locally-driven solutions, our communities grow stronger. We also believe a well-functioning partnership among all levels of government is imperative.

NLC's 2016 federal priorities reflect important issues around the economy, infrastructure and public safety, providing a framework to empower cities to address the challenges we face and move our nation forward. Specifically, NLC calls on Congress and the administration to:

- **Close the online sales tax loophole**
Today's marketplace offers more choices than ever. But simply put, the playing field isn't level for all sellers - and states and localities are unable to collect more than a fraction of the revenue that's owed. Over 23 billion dollars a year are lost. That's why we're calling on Congress to close the online sales tax loophole by passing e-fairness legislation.
- **Protect the tax exemption for municipal bonds**
Protecting the tax exemption for municipal bonds is critical to local government's ability to respond to community needs. If the tax exemption is eliminated or limited, states and localities will be forced to pay more to finance projects, leading to less infrastructure investment, fewer jobs and a greater burden on local residents in the form of higher taxes and fees.
- **Reform federal sentencing**
We urge Congress to reform the federal criminal justice system to allow for greater flexibility in sentencing and increased resources to support re-entry programs. Reentry programs tailored to the specific needs of our communities are essential to reduce recidivism and bolster the success of ex-offenders. We call on Congress to pass the "Sentencing Reform and Corrections Act of 2015" (S. 2123), which adjusts prison sentences for certain non-violent drug offenders, targets violent criminals, and supports

recidivism reduction programs. We also support the Second Chance Reauthorization Act (S. 1513/H.R. 3406), which would provide resources to local governments to improve outcomes for individuals returning to communities reducing in recidivism rates.

- **Reauthorize the EPA brownfields program**

Many local governments, out of necessity, take ownership of brownfields properties. The U.S. Environmental Protection Agency (EPA) Brownfields Program provides grants and technical assistance to communities and other stakeholders, giving them the resources they need to prevent, assess, safely clean up, and sustainably reuse brownfields. The EPA Brownfields Program is vital for local governments in aiding their redevelopment efforts and supporting the productive reuse of property which otherwise remains a blight on the community. To strengthen the program, NLC calls on Congress to expand liability protections for local governments that acquire contaminated brownfields sites but had no involvement in the contamination, as well as increase the assistance available under the program.

In addition to these priorities, we will monitor and advocate for the interests of cities on other important issues. In 2016, NLC will work to:

- **Revise the “Waters of the U.S.” rule**

We support congressional efforts to direct the EPA and the Army Corps of Engineers to create a more open and transparent rulemaking process with input from all levels of government. Cities need federal regulators to conduct a comprehensive regulatory and economic impact analysis on how the rule will impact each Clean Water Act program. We also support revising the rule in a way that addresses lingering concerns regarding the certainty and clarity of the terms of the existing rule.

- **Ensure swift implementation of the Fixing America's Surface Transportation (FAST) Act**

The legislation may have *passed*, but the work has just begun. We are working closely with the U.S. Department of Transportation to ensure the FAST Act provides local leaders with the greatest possible control over how federal funding is spent in their regions.

We'll work hard throughout the year to move this agenda forward, but we need you to be involved. Cities are strong when we stand together. I encourage you to *register now for the Congressional City Conference*, March 5-9 in Washington, D.C. Join thousands of city leaders to hear from federal policy makers and educate members of Congress about the needs of cities.



Mayors' Education Task Force

10:45 a.m. – 12:00 p.m.

Monday, March 7, 2016

Thurgood Marshall South

Marriott Wardman Park Hotel

Washington, D.C.

Agenda

Light refreshments available at 10:30 a.m.

Meeting Objectives:

1. Discuss the Every Student Succeeds Act (ESSA) and its impact on local communities and districts;
2. Learn about the U.S. Department of Education priorities regarding the implementation of ESSA; and
3. Uplift existing summer opportunities in Task Force cities.

- 10:45 a.m. Welcome and Introductions
The Honorable Betsy Hodges, Mayor, Minneapolis, MN
Task Force Chair
- 10:50 a.m. Every Student Succeeds Act: Implications for Local Communities
Dr. John B. King, Jr., Acting Secretary of the U.S. Department of Education
- 11:05 a.m. Discussion with Mayors and Dr. John B. King, Jr.
Potential Discussion Questions:
- How can cities be prepared to support school districts as they make changes based on ESSA?
 - How will the U.S. Department of Education foster the growth and expansion of community schools?
 - What are the U.S. Department of Education's priorities on preschool expansion and how can local leaders align their efforts?
 - What role can local leaders play to promote college and career readiness?
 - What new funding streams under ESSA can cities tap to support youth success?
- 11:50 a.m. Announcement of New White House Summer Opportunity Project
Dr. John B. King, Jr., Acting Secretary of the U.S. Department of Education
Mayor Hodges, Chair, Mayors' Education Task Force
- 12:00 p.m. Adjourn

NLC and its Council on Youth, Education, and Families are proud to announce the forthcoming release of a new, online

Education Playbook

for Mayors and other City Leaders

Late March 2016

To preview the playbook, go to:

edplaybook.nlc.org

This new resource was developed under the leadership of 2015 YEF Council Co-Chairs: Mayor Bill Peduto, Pittsburgh, Pa. and Councilmember Kristin Szakos, Charlottesville, Va.

For more information, contact Miles Sander
at 202/626-3153 or sandler@nlc.org



National League of Cities

Wednesday, March 9th, 2016
Eisenhower Executive Office Building

Welcoming Remarks

Jerry Abramson

Deputy Assistant to the President and Director of Intergovernmental Affairs

Presidential Priorities – Opioids

Michael Botticelli

Director of National Drug Control Policy

Matt Zone

Vice President of the National League of Cities

Administration Panel

Rohan Patel

Special Assistant to the President and Deputy Director of Intergovernmental Affairs

Julie Rodriguez

Special Assistant to the President and Senior Deputy Director of Public Engagement

Roy Austin

Deputy Assistant to the President for the Office of Urban Affairs, Justice, and Opportunity

Presidential Priorities – Middle Class Economics

Chris Lu

Deputy Secretary of Labor

Clarence Anthony

Executive Director of the National League of Cities

Closing remarks

Jerry Abramson

Deputy Assistant to the President and Director of Intergovernmental Affairs



Town Council Regular Session

Meeting Date: 04/06/2016

Submitted By: Mike Standish, Town Clerk's Office

Item # 2.

Information

Subject

Letter of Appreciation - Parks & Recreation

Attachments

Parks & Recreation - Letter of Appreciation

Standish, Michael

From: [REDACTED]
Sent: Tuesday, March 08, 2016 11:33 AM
To: Orozco, Samuel <sorozco@orovalleyaz.gov>
Subject: Archery Range

Good Afternoon Samuel,

I would like to commend you and your staff for the amazing job you do with the archery range! I am a sports rep for my Region (9 counties) in New York State to the NYS Conservation Fund Advisory Board. The archery range your town has been able to put together to provide opportunity for everyone should be used as a benchmark throughout the nation. My plan is to show pictures I have taken of your range to our Board and NYS Dept. of Conservation staff and see if we can try to work on promoting this type of opportunity in New York State. I have visited many States hunting and have never seen such a well maintained and "welcoming" opportunity as you have established. Personally, I would like to sincerely thank you and the Town of Oro Valley for allowing me to use your range while I am here vacationing, but more than that I would like to thank all involved with promoting a sport that continues to grow recreationally and through our school systems with the National Archery in Schools Program(NASP).

Best Wishes,
Charlie Pace

[REDACTED]



Town Council Regular Session

Meeting Date: 04/06/2016

Proclamation

Item # 1.

Information

Subject

Proclamation - National Public Safety Telecommunicators Week, April 10-16, 2016

Summary

Attachments

Proclamation

Office of the Mayor
Oro Valley, Arizona
Proclamation

**NATIONAL PUBLIC SAFETY TELECOMMUNICATORS WEEK
APRIL 10-16, 2016**

WHEREAS, emergencies can occur at anytime that require police, fire or emergency medical services; and,

WHEREAS, when an emergency occurs the prompt response of police officers, firefighters and paramedics is critical to the protection of life and preservation of property; and,

WHEREAS, the safety of our police officers and firefighters is dependent upon the quality and accuracy of information obtained from citizens who telephone the Town of Oro Valley Police Communications Center; and,

WHEREAS, Public Safety Telecommunicators are the first and most critical contact our citizens have with emergency services; and,

WHEREAS, Public Safety Telecommunicators are the single vital link for our police officers and firefighters by monitoring their activities by radio, providing them information and insuring their safety; and,

WHEREAS, Public Safety Telecommunicators of the Oro Valley Police Department have contributed substantially to the apprehension of criminals, suppression of fires and treatment of patients; and,

WHEREAS, each dispatcher has exhibited compassion, understanding and professionalism during the performance of their job in the past year.

NOW, THEREFORE, I, Dr. Satish I. Hiremath, Mayor of the Town of Oro Valley, do hereby proclaim the week of April 10 through 16, 2016 to be National Public Safety Telecommunicators Week in the Town of Oro Valley, in honor of the men and women whose diligence and professionalism keep our city and citizens safe.

Dated this 6th day of April, 2016

Dr. Satish I. Hiremath, Mayor



ATTEST:

Julie K. Bower, Town Clerk



Town Council Regular Session

Item # A.

Meeting Date: 04/06/2016

Requested by: Julie Bower

Submitted By: Mike Standish, Town
Clerk's Office

Department: Town Clerk's Office

Information

SUBJECT:

Minutes - March 2, 2016

RECOMMENDATION:

Staff recommends approval.

EXECUTIVE SUMMARY:

N/A

BACKGROUND OR DETAILED INFORMATION:

N/A

FISCAL IMPACT:

N/A

SUGGESTED MOTION:

I MOVE to approve, (approve with the following changes) the March 2, 2016 minutes.

Attachments

3/2/16 Draft Minutes

**MINUTES
ORO VALLEY TOWN COUNCIL
REGULAR SESSION
March 2, 2016
ORO VALLEY COUNCIL CHAMBERS
11000 N. LA CANADA DRIVE**

REGULAR SESSION AT OR AFTER 6:00 PM

CALL TO ORDER

Mayor Hiremath called the meeting to order at 6:00 p.m.

ROLL CALL

PRESENT:

Satish Hiremath, Mayor
Lou Waters, Vice Mayor
Brendan Burns, Councilmember
Bill Garner, Councilmember
Joe Hornat, Councilmember
Mary Snider, Councilmember
Mike Zinkin, Councilmember

PLEDGE OF ALLEGIANCE

Mayor Hiremath led the audience in the Pledge of Allegiance and a Moment of Silence to remember Oro Valley employee, Gary Dull, who passed away on Saturday, February 27, 2016. Mr. Dull was the Town's Code Compliance Specialist. He investigated, responded and resolved complaints and violations of the Zoning and Building Codes. The Town of Oro Valley established the Rayne Dull donation account through Chase Bank for donations to the family of Gary Dull. Those interested in making a donation, should make checks payable to the Rayne Dull donation account. No cash would be accepted. Donations would be accepted until June 1, 2016.

UPCOMING MEETING ANNOUNCEMENTS

Economic Development Manager Amanda Jacobs announced the upcoming Town meetings and events.

COUNCIL REPORTS

Councilmember Zinkin thanked Police Chief Danny Sharp for reducing overtime expenses by approximately \$200,000 in the first six months of the fiscal year compared to the same period of time last fiscal year.

Vice Mayor Waters reported that legislation regarding vacation rental taxes had been introduced by Debbie Lesko, Republican from Peoria, to make it easier for the online rental companies to do business in Arizona. Senate Bill 1350 would allow Airbnb, HomeAway, VRBO and other third parties to conduct business in Arizona. The state would disperse funds to local municipalities after collecting all taxes.

Councilmember Snider attended the ribbon cutting ceremony on March 2, 2016 for the new Police Department substation and future evidence facility located at 500 W. Magee Road. She thanked Commander Aaron Lesuer for managing the project and acquiring the building for approximately one-third of the original sales price.

Police Chief Danny Sharp said the new facility would additionally be used to house the Victim Advocate position and allowed for a closer proximity to Cenpatico, Pima County's Behavior and Mental Health provider, further enhancing services to the community.

Chief Sharp discussed the results of a three-year study of the Town's High Visibility Enforcement (HIVE) patrols conducted at the intersections of Oracle/Suffolk and Oracle/Magee and said the analysis showed a dramatic decrease in accidents and injuries at these intersections.

DEPARTMENT REPORTS

Town Clerk Julie Bower announced that new artwork was on display in the Council Chambers by artist Paula Sherick Jimenez.

Ms. Jimenez thanked Mayor and Council for supporting the arts in Oro Valley and for allowing her to display her artwork.

ORDER OF BUSINESS

Mayor Hiremath reviewed the order of business and said the agenda would stand as posted.

INFORMATIONAL ITEMS

1. FY 2015-16 2nd Quarter Public Safety Providers Reports

CALL TO AUDIENCE

Oro Valley resident Don Bristow alleged that the Town Council approved a Conditional Use Permit for Fry's gas station located at First Ave and Tangerine Road, in violation of Oro Valley laws by ignoring a Zoning Code requirement that all on-site activities, except those performed at the fuel pumps, to be performed within a completely enclosed building. Mr. Bristow also alleged that the Town Council approved a display that would allow La Mesa RV to display RV motor coaches and non-motorized towable trailers at the Oro Valley Marketplace, which he believed was not allowed. Mr. Bristow requested

that the Town Council initiate the process to withdraw the approvals granted to Fry's and La Mesa RV.

Oro Valley resident Fred Narcaroti, representative for the Oro Valley Dolphins, said the organization included over 250 youth football and cheerleading members ages 5-13 years old and was still growing. Mr. Narcaroti said field space was very limited within the area and urged the Town Council to add additional fields at Naranja Park.

Oro Valley resident Bob Knych spoke about the Town's acquisition of the El Conquistador Country Club and recommended that the Town Council appoint a golf advisory committee to assist with studying the golf course operations and make recommendations.

Councilmember Snider directed staff to research Mr. Narcaroti's request to add additional fields to Naranja Park.

Councilmember Garner directed staff to look into the two Zoning Code issues brought forward by Mr. Bristow.

CONSENT AGENDA

- A. Minutes - February 3, 2016
- B. Resolution No. (R)16-10, authorizing a Memorandum of Understanding (MOU) between Pima Association of Governments (PAG) and the Town of Oro Valley for programming and funding of La Cañada Drive/Moore Road intersection study (TIP ID No. 19.15)
- C. Request for approval of an amended Final Plat for the Innovation Corporate Center, located on the northeast corner of Innovation Park Drive and Vistoso Park Road
- D. *Cancellation of the March 16, 2016 regular Town Council meeting

MOTION: A motion was made by Councilmember Zinkin and seconded by Vice Mayor Waters to approve Consent Agenda items (A-D).

MOTION carried, 7-0.

REGULAR AGENDA

1. **PUBLIC HEARING: DISCUSSION AND POSSIBLE ACTION REGARDING AN APPLICATION FOR A SERIES 12 (RESTAURANT) LIQUOR LICENSE FOR SMASHBURGER #4, LOCATED AT 7625 N. ORACLE RD. #145**

Ms. Bower presented item #1.

Mayor Hiremath opened the public hearing.

No comments were received.

Mayor Hiremath closed the public hearing.

MOTION: A motion was made by Vice Mayor Waters and seconded by Councilmember Burns to recommend approval of the issuance of a Series 12 Liquor License to the Arizona Department of Liquor Licenses and Control for Eric Wolf for Smashburger #4, located at 7625 N. Oracle Rd. #145.

MOTION carried, 7-0.

2. *PUBLIC HEARING: DISCUSSION AND POSSIBLE ACTION REGARDING AN APPLICATION FOR A SERIES 7 (BEER & WINE BAR) AND SERIES 12 (RESTAURANT) LIQUOR LICENSE FOR GASLIGHT MUSIC HALL, LOCATED AT 13005 N. ORACLE RD. #110

Ms. Bower presented item #2.

Mayor Hiremath opened the public hearing.

No comments were received.

Mayor Hiremath closed the public hearing.

MOTION: A motion was made by Councilmember Snider and seconded by Vice Mayor Waters to recommend approval of an interim permit and transfer of a Series 7 Liquor License and approval of a new Series 12 Liquor License to the Arizona Department of Liquor Licenses and Control for Anthony Terry Jr. for Gaslight Music Hall, located at 13005 N. Oracle Rd. #110.

MOTION carried, 7-0.

3. FISCAL YEAR 2015/16 MID-YEAR FINANCIAL UPDATE

Finance Director Stacey Lemos presented item #3 and outlined the following:

- General Fund Revenues & Expenditures
- Highway Fund Revenues & Expenditures
- Community Center Fund Revenues & Expenditures
- Bed Tax Fund Revenues & Expenditures
- Stormwater Utility Fund Revenues & Expenditures
- Water Utility Fund Revenues & Expenditures

Discussion ensued amongst Council and staff regarding the FY 2015/16 mid-year financial update.

Mayor Hiremath recessed the meeting at 7:42 p.m.

Mayor Hiremath reconvened the meeting at 7:50 p.m.

4. RESOLUTION NO. (R)16-11, PROVIDING NOTICE OF INTENT TO DECREASE THE EQUIVALENT RESIDENTIAL UNIT (ERU) AS DEFINED IN THE STORMWATER SECTION OF THE TOWN CODE THEREBY INDIRECTLY INCREASING THE RATES FOR COMMERCIAL PROPERTIES FOR THE ORO VALLEY STORMWATER UTILITY

Development and Infrastructure Services Director Paul Keesler presented items #4 and #5.

MOTION: A motion was made by Councilmember Hornat and seconded by Vice Mayor Waters to approve Resolution No. (R)16-11, providing Notice of Intent to decrease the Equivalent Residential Unit (ERU) for the Oro Valley Stormwater Utility modifying Town Code 15-24-13 Section H.

MOTION carried, 7-0.

5. RESOLUTION NO. (R)16-12, PROVIDING NOTICE OF INTENT TO INCREASE STORMWATER UTILITY BASE RATE FOR THE ORO VALLEY STORMWATER UTILITY

MOTION: A motion was made by Councilmember Zinkin and seconded by Vice Mayor Waters to approve Resolution No. (R)16-12, as presented.

MOTION carried, 7-0.

6. PUBLIC HEARING: ORDINANCE NO. (O)16-03, AMENDING SECTION 22.5 OF THE ORO VALLEY ZONING CODE REVISED RELATED TO THE CONDITIONAL USE PERMIT REVIEW CRITERIA

MOTION: A motion was made by Mayor Hiremath and seconded by Councilmember Hornat to table item #6 and bring it back as a comprehensive package to include the modified table of permitted uses.

MOTION carried, 7-0.

7. DISCUSSION AND POSSIBLE DIRECTION TO STAFF TO PREPARE A REPORT OUTLINING THE DIFFERENCES BETWEEN MAIN STREET AND YOUR VOICE, OUR FUTURE GENERAL PLAN UPDATE

Councilmember Zinkin presented item #7.

Discussion ensued amongst Council and staff regarding the status of the Your Voice, Our Future General Plan update project and the Main Street project.

Town Council directed staff to create and distribute a Town Council Report regarding the differences between the Your Voice, Our Future General Plan Update project and the Main Street project.

8. DISCUSSION AND POSSIBLE DIRECTION REGARDING THE INSTALLATION OF ADDITIONAL SWINGS AT RIVERFRONT PARK

Councilmember Burns presented item #8.

Town Council directed staff to create and distribute a Council Report regarding the installation of additional swings at Riverfront Park and include the item, for discussion, alongside the FY 16/17 recommended budget at the upcoming budget study session.

FUTURE AGENDA ITEMS

Vice Mayor Waters requested a future agenda item for discussion and possible direction regarding developing a hands-free cellphone ordinance while driving in the Town of Oro Valley, seconded by Councilmember Snider.

Councilmember Zinkin requested a future agenda item, to be placed on the April 6, 2016 regular Town Council meeting agenda, for discussion and possible direction regarding the placement of a ballot issue to sell town assets at the next available election, seconded by Councilmember Garner.

Councilmember Zinkin requested a Study Session, to be held on August 2, 2016, to discuss the Town's year-end financials, seconded by Councilmember Burns.

Councilmember Garner requested a Study Session, to be held during the upcoming budget process, to discuss the Community Center operations with all involved parties, seconded by Councilmember Zinkin.

CALL TO AUDIENCE

No comments were received.

ADJOURNMENT

MOTION: A motion was made by Vice Mayor Waters and seconded by Councilmember Snider to adjourn the meeting at 8:09 p.m.

MOTION carried, 7-0.

Prepared by:

Michael Standish, CMC
Deputy Town Clerk

I hereby certify that the foregoing minutes are a true and correct copy of the minutes of the regular session of the Town of Oro Valley Council of Oro Valley, Arizona held on the 2nd day of March, 2016. I further certify that the meeting was duly called and held and that a quorum was present.

Dated this _____ day of _____, 2016.

Julie K. Bower, MMC
Town Clerk

DRAFT



Town Council Regular Session

Item # B.

Meeting Date: 04/06/2016

Requested by: Stacey Lemos

Submitted By: Wendy Gomez, Finance

Department: Finance

Information

SUBJECT:

Fiscal Year 2015/16 Financial Update through January 2016

RECOMMENDATION:

This item is for information only.

EXECUTIVE SUMMARY:

In the General Fund (see Attachment A), revenues collected through January totaled \$17.3 million or 53.7% of the budget amount of \$32.2 million. Year-to-date expenditures through January totaled \$17.2 million or 53.7% of the budget amount of \$32.1 million.

In the Highway Fund (see Attachment B), revenues collected through January totaled \$2.0 million or 61.6% of the budget amount of \$3.2 million. Year-to-date expenditures through January totaled \$2.3 million or 46.5% of the budget amount of \$4.9 million.

In the Bed Tax Fund (see Attachment C), revenues collected through January totaled \$489,063 or 51.5% of the budget amount of \$950,000. Year-to-date expenditures through January totaled \$588,640 or 54.1% of the budget amount of \$1.1 million. Please note that expenditures through January include the budgeted transfer of approximately \$230,000 to the Municipal Debt Service Fund for debt service due on the Aquatic Center bonds, as well as one-half of the budgeted transfer of \$185,000 to the General Fund for the Aquatic Center expansion and related operational cost increases.

In the Community Center Fund (see attachments D-1, D-2 and D-3), revenues collected through January totaled \$3.1 million or 41.7% of the budget amount of \$7.4 million. Year-to-date expenditures through January totaled \$4.1 million or 49.7% of the budget amount of \$8.2 million.

BACKGROUND OR DETAILED INFORMATION:

GENERAL FUND

Attachment A shows General Fund revenues and expenditures through January, as well as year-end estimates for each category. The estimated year-end projections in the General Fund are as follows:

Revenues	\$31,485,054
<u>Less:</u> Expenditures	(\$31,393,259)
<u>Less:</u> Council-Approved Use of Contingency:	
- 8.8 Acre Land Purchase	(\$ 265,000) Approved September 2, 2015
- Lawsuit Settlement	(\$ 30,000) Approved September 16, 2015
- Special Election Costs	(\$ 24,131) Approved June 17, 2015
Est. Decrease in Fund Balance	(\$ 227,336)

General Fund Revenues

Please note that some of our largest recurring revenue sources in the General Fund, including retail sales tax and state-shared sales tax are seasonal in nature. These revenues typically see an increase through the second half of the fiscal year, following collections from holiday sales and tax return season. Actuals through the months of April/May will provide good indication and the clearest picture of year-end figures.

- Local sales tax collections in the General Fund total \$7.9 million or 51.7% of the budget amount of \$15.4 million. Sales tax collections in the General Fund are estimated to come in below budget by approximately \$633,000 or 4.1% due entirely to one-time construction sales taxes from updated projections on single family residential building activity and slower commercial development than planned. Single family residential permits for FY 15/16 are estimated at 165, versus 200 budgeted. This is a shortfall in one-time revenues, and because one-time revenues are dedicated to one-time capital improvement projects, this shortfall does not impact ongoing Town operations. All other local sales tax categories are trending on budget. Please see Attachment F for a monthly tracking of General Fund local sales tax collections, including retail, construction and utility sales tax.
- License and permit revenues total \$798,591 or 45.3% of the budget amount of \$1.8 million. These revenues are estimated to come in under budget by about \$295,000 or 16.7% due to updated projections on residential and commercial building activity, as referenced above.
- Federal Grant revenues total \$338,149 or 61.3% of the budget amount of \$551,545. These revenues are estimated to come in under budget by about \$34,000 or 6.1% due to revised estimates reflective of awarded funding, as well as recent financial

changes at the Counter Narcotics Alliance (CNA). The loss in CNA revenue is estimated at \$65,000 and will be offset with vacancy savings in the Police Department.

- State shared revenues total \$6.0 million or 57.4% of the budget amount of \$10.4 million, and are estimated to come in over budget by roughly \$146,000 or 1.4% based on projections from the Arizona Department of Revenue and the League of Arizona Cities and Towns.
- Charges for Services revenues total \$1.1 million or 59.1% of the budget amount of \$1.9 million. Charges for Services revenues are estimated to come in over budget by about \$96,000 or 5.1% due mostly to revenue at the Aquatic Center.
- Revenues from fines total \$89,048 or 74.2% of the budget amount of \$120,000, and are estimated to come in over budget by \$20,000 or 16.7% based on observed trends.

Staff will continue to monitor revenue collections and may adjust the year-end estimates based on actual trends.

General Fund Expenditures

- Expenditures are estimated to come in under budget by about \$679,000 or 2.1%. Of this amount, approximately \$410,000 was planned for one-time Capital Improvement Program (CIP) projects, to be funded entirely with one-time construction sales taxes and permitting revenues. Projects were slowed or placed on hold temporarily, due to the updated projections on single family residential and commercial construction activity, as referenced above. Please note that although the Parks and Recreation Department is expected to go over budget by about \$65,000, or 2.2%, due to Aquatic Center expenditures, this overage will be more than offset by revenues that are also expected to exceed budget by approximately \$100,000. The remaining expenditure budget variances in other departments are due to estimated personnel and department operating savings. Please note that these savings are estimates and are subject to change.

HIGHWAY FUND

Highway Fund Revenues

- State shared highway user funds total roughly \$1.7 million or 55.9% of the budget amount of \$3.0 million and are expected to come in on budget at year-end. State grant revenues are estimated at \$173,341 for the fiscal year, due to reimbursements from the Pima Association of Governments (PAG) for contract administration of roadway projects, as well as Transportation Art by Youth (TABY) program expenditures. Highway Fund revenues in total are estimated to come in over budget by nearly \$200,000 or 6.2%.

Highway Fund Expenditures

- Expenditures are estimated to come in under budget by about \$188,000 or 3.9%. This variance is due largely to the Tangerine Access to Safeway (1st Ave) CIP project, which is expected to roll over into FY 16/17. Please note that these figures are estimates and are subject to change.

BED TAX FUND

Bed Tax Revenues

- Bed tax revenues total \$485,416 or 51.4% of the budget amount of \$945,000, and are estimated to come in on budget at this time. Please note that bed tax revenues are seasonal in nature, as a considerable portion of these revenues are typically collected through spring.

Bed Tax Fund Expenditures

- Expenditures are estimated to come in under budget by about \$5,600 or 0.5% due to projected personnel savings. Please note that these savings are estimates and are subject to change.

COMMUNITY CENTER FUND

Attachment D-1 shows the consolidated financial status of the Community Center Fund with all revenues and expenditures from Troon and Town-managed operations.

Attachment D-2 shows the monthly line item detail for the Troon-managed operations, specifically revenues and expenditures associated with the golf, tennis, food and beverage and lifeguard operations. The totals in the revenue and expenditure categories in Attachment D-2 tie to the Contracted Operating Revenues and Expenditures in Attachment D-1.

Attachment D-3 shows the revenues and expenditures for the Troon-managed food and beverage operations only.

Please note that the fund balance shown on Attachment G for the Community Center Fund is now positive.

Community Center Fund Revenues

Please note that most of our revenue sources in the Community Center Fund, including golf revenues and the half-cent sales tax are seasonal in nature. These revenues typically see an increase through the second half of the fiscal year, following collections from holiday sales and tax return season, as well as winter and spring golf season activity. Actuals through April and May will provide good indication and the clearest picture of year-end figures.

- Revenues in the Community Center Fund total \$3.1 million or 41.7% of the budget amount of \$7.4 million. Contracted operating revenues from Troon total \$1.6 million

and Town operating revenues total \$380,136. Local sales tax revenues from the dedicated half-cent sales tax total \$1.1 million or 55.5% of the budget amount of \$2,000,000.

- Contracted operating revenues from Troon are estimated to come in under budget by about \$1.4 million or 30.4%, based on the updated forecast from Troon through the remainder of the fiscal year. These revenue estimates have been revised downward to \$3.3 million from the original budgeted amount of \$4.7 million based on lower revenue trends observed in the first half of the fiscal year.
- Town operating revenues are estimated to come in over budget by about \$27,000 or 4.2% due to member dues, which are expected to come in nearly 10% over budgeted figures.

Community Center Expenditures

- Expenditures in the Community Center Fund total about \$4.1 million or 49.7% of the budget amount of \$8.2 million. Contracted operating expenditures from Troon total \$3.4 million and Town operating expenditures total \$386,212. Capital outlay expenditures total \$298,060.
- Contracted operating expenditures from Troon are estimated to come in under budget by about \$966,000 or 15.4%, based on the updated forecast from Troon through the remainder of the fiscal year reflecting savings from operational changes that were implemented in December, as well as other line item expense reductions in the operations and maintenance categories, including closure of the golf courses on Mondays, reduced hours at The Overlook restaurant, reductions in staffing levels in the golf maintenance and restaurant operations, closure of the lap pool and reduced hours at the tennis facilities. The year-end expenditure estimates have been revised downward to \$5.3 million from the original budgeted amount of \$6.3 million. Accordingly, the year-end net loss for the Troon-managed operations has been revised from the budgeted amount of \$1.5 million to approximately \$2.0 million.
- The ending fund balance in the Community Center Fund is estimated at \$425,127, an increase from the previous month's estimates, due to revised year-end projections for capital outlay.

Please see Attachments A, B, and C for additional details on the General Fund, Highway Fund and Bed Tax Fund. See Attachments D-1, D-2 and D-3 for additional details on the Community Center Fund. See Attachment E for a fiscal year-to-date consolidated summary of all Town Funds. See Attachment F for a breakdown of monthly local sales tax collections for the General Fund.

FISCAL IMPACT:

N/A

SUGGESTED MOTION:

This item is for information only.

Attachments

Attachment A - General Fund

Attachment B - Highway Fund

Attachment C - Bed Tax Fund

Attachment D-1 Community Center Fund

Attachment D-2 Troon Cash Flow

Attachment D-3 Troon F&B

Attachment E - Summary All Funds

Attachment F - Gen Fund Local Sales Tax



Highway Fund

% Budget Completion through January --- 58.3%

REVENUES:

LICENSES & PERMITS
 STATE GRANTS
 STATE/COUNTY SHARED
 CHARGES FOR SERVICES
 INTEREST INCOME
 MISCELLANEOUS
TOTAL REVENUES

Actuals thru 1/2016	Budget	% Actuals to Budget
24,264	51,000	47.6%
151,939	-	0.0%
1,667,505	2,985,464	55.9%
78,167	134,000	58.3%
19,303	22,400	86.2%
30,760	10,000	307.6%
1,971,938	3,202,864	61.6%

Year End Estimate *	YE % Variance to Budget
48,000	-5.9%
173,341	0.0%
2,985,464	0.0%
134,000	0.0%
22,400	0.0%
38,582	285.8%
3,401,787	6.2%

EXPENDITURES:

ADMINISTRATION
 TRANSPORTATION ENGINEERING
 PAVEMENT MANAGEMENT
 STREET MAINTENANCE
 TRAFFIC ENGINEERING
TOTAL EXPENDITURES

Actuals thru 1/2016	Budget	% Actuals to Budget
573,694	880,396	65.2%
312,222	561,772	55.6%
477,702	1,473,581	32.4%
608,362	1,159,510	52.5%
284,936	783,419	36.4%
2,256,916	4,858,678	46.5%

Year End Estimate *	YE % Variance to Budget
860,496	-2.3%
561,772	0.0%
1,518,581	3.1%
1,145,256	-1.2%
585,039	-25.3%
4,671,144	-3.9%

SURPLUS / (DEFICIT)

(284,978) (1,655,814)

(1,269,357)

BEGINNING FUND BALANCE

3,291,083

Plus: Surplus / (Deficit)

(1,269,357)

ENDING FUND BALANCE **

2,021,726

* Year-end estimates are subject to further revision

** Ending fund balance amounts are estimates and are subject to further revision



January YTD Financial Status

ATTACHMENT C

FY 2015/2016

Bed Tax Fund

% Budget Completion through January --- 58.3%

REVENUES:

BED TAXES

INTEREST INCOME

TOTAL REVENUES

Actuals thru 1/2016	Budget	% Actuals to Budget	Year End Estimate *	YE % Variance to Budget
485,416	945,000	51.4%	945,000	0.0%
3,648	4,800	76.0%	4,800	0.0%
489,063	949,800	51.5%	949,800	0.0%

EXPENDITURES:

ECONOMIC DEVELOPMENT

TRANSFERS OUT

TOTAL EXPENDITURES

Actuals thru 1/2016	Budget	% Actuals to Budget	Year End Estimate *	YE % Variance to Budget
266,596	672,732	39.6%	667,104	-0.8%
322,044	414,544	77.7%	414,544	0.0%
588,640	1,087,276	54.1%	1,081,648	-0.5%

SURPLUS / (DEFICIT)

(99,577)

(137,476)

(131,848)

BEGINNING FUND BALANCE

464,626

Plus: Surplus / (Deficit)

(131,848)

ENDING FUND BALANCE **

332,778

* Year-end estimates are subject to further revision

** Ending fund balance amounts are estimates and are subject to further revision



Community Center Fund

% Budget Completion through January --- 58.3%

	Actuals thru 1/2016	Budget	% Actuals to Budget	Year End Estimate *	YE % Variance to Budget
REVENUES:					
CONTRACTED OPERATING REVENUES					
Golf Revenues	448,891	1,771,106	25.3%	1,145,182	-35.3%
Member Dues (Golf)	486,830	1,370,867	35.5%	1,006,355	-26.6%
Tennis Revenues	195,309	279,837	69.8%	306,193	9.4%
Food & Beverage	325,952	850,852	38.3%	640,440	-24.7%
Merchandise & Other	114,272	469,671	24.3%	201,823	-57.0%
	1,571,254	4,742,333	33.1%	3,299,993	-30.4%
TOWN OPERATING REVENUES					
Daily Drop-Ins	12,139	27,550	44.1%	23,000	-16.5%
Member Dues	334,362	526,480	63.5%	577,111	9.6%
Recreation Programs	31,668	84,000	37.7%	76,000	-9.5%
Tennis Court Rentals	-	7,200	0.0%	7,200	0.0%
Facility Rental Income	812	13,200	6.2%	1,240	-90.6%
Concession Sales	905	-	0.0%	1,000	0.0%
Special Events	250	-	0.0%	250	0.0%
	380,136	658,430	57.7%	685,801	4.2%
OTHER REVENUES					
Local Sales Tax	1,109,839	2,000,000	55.5%	2,000,000	0.0%
Real Property Rental Income	27,861	-	-	27,861	0.0%
Donations	100	-	0.0%	100	0.0%
	1,137,800	2,000,000	56.9%	2,027,961	1.4%
TOTAL REVENUES	3,089,189	7,400,763	41.7%	6,013,755	-18.7%

	Actuals thru 1/2016	Budget	% Actuals to Budget	Year End Estimate *	YE % Variance to Budget
EXPENDITURES:					
CONTRACTED OPERATING EXPENDITURES					
Personnel	1,425,003	2,638,457	54.0%	2,177,016	-17.5%
Operations & Maintenance	1,701,732	3,289,219	51.7%	2,715,184	-17.5%
Equipment Leases	256,687	333,000	77.1%	402,937	21.0%
	3,383,422	6,260,676	54.0%	5,295,137	-15.4%
TOWN OPERATING EXPENDITURES					
Personnel	289,087	462,517	62.5%	576,587	24.7%
Operations & Maintenance	97,125	225,140	43.1%	172,125	-23.5%
	386,212	687,657	56.2%	748,712	8.9%
CAPITAL OUTLAY	298,060	1,115,000	26.7%	450,000	-59.6%
TRANSFER TO GENERAL FUND	-	120,000	0.0%	120,000	0.0%
TOTAL EXPENDITURES	4,067,694	8,183,333	49.7%	6,613,849	-19.2%

SURPLUS / (DEFICIT) (978,504) (782,570) (600,095)

BEGINNING FUND BALANCE 1,025,222

Plus: Surplus / (Deficit) (600,095)

ENDING FUND BALANCE ** 425,127

* Year-end estimates are subject to further revision

** Ending fund balance amounts are estimates and are subject to further revision

TROON
EI Conquistador Cash Flow Statement

	Actual Jul-15	Actual Aug-15	Actual Sep-15	Actual Oct-15	Actual Nov-15	Actual Dec-15	Actual Jan-16	Actual TOTAL	Original Budget TOTAL	Forecast TOTAL
Revenues:										
Golf Fees, net of discounts	31,127	26,555	41,922	39,692	79,985	48,184	80,184	347,649	1,456,271	887,459
Trail Fees & Member Cart Fees	9,970	8,994	9,800	10,860	13,139	13,105	14,585	80,453	180,000	181,268
Golf - Group Services	-	-	-	(550)	60	151	45	(294)	-	(339)
Range, Rentals, Other Golf related	1,368	1,593	1,984	2,712	2,839	2,479	3,671	16,646	127,735	68,172
Golf Lessons	785	510	1,115	680	847	340	160	4,437	7,100	8,622
Total Member Dues	65,377	57,786	64,719	69,970	75,806	75,697	77,475	486,830	1,370,867	1,006,355
Other Member Income	-	-	-	-	60	-	20	80	-	60
Swim/Tennis Revenues	24,923	9,172	27,593	51,543	26,871	23,871	31,336	195,309	279,837	306,193
Salon/Spa Revenues	-	150	400	-	-	-	-	550	-	550
GOLF PUSCH RIDGE Revenues	60	20	-	-	-	-	-	80	-	80
Merchandise, net of discounts	11,112	9,342	12,462	17,555	24,638	26,524	11,929	113,562	469,671	201,133
Food and Beverage, net of discounts	34,002	29,430	35,077	44,481	65,705	51,745	65,512	325,952	850,852	640,440
Total Revenues	178,724	143,552	195,072	236,943	289,890	242,156	284,917	1,571,254	4,742,333	3,299,993
Cost of Sales:										
COS - Golf	-	-	-	-	-	-	-	-	17,690	7,410
COS - Golf Lessons	692	282	100	937	546	556	77	3,190	5,680	6,589
COS - Service Commissions	14,268	10,023	14,477	21,783	16,516	12,477	16,074	105,618	161,791	172,580
COS - Merchandise, net of discounts	9,877	5,517	6,335	10,196	16,931	18,007	6,966	73,829	299,527	146,463
COS - Food & Beverage	14,172	11,484	15,150	14,875	26,917	16,195	20,202	118,995	267,418	220,393
Total Cost of Sales	39,009	27,306	36,062	47,791	60,910	47,235	43,319	301,632	752,105	553,435
Gross Profit	139,715	116,246	159,010	189,152	228,980	194,921	241,598	1,269,622	3,990,228	2,746,558
Operating Expenses:										
Payroll	193,325	182,694	172,731	193,514	159,466	114,460	127,022	1,143,212	2,182,859	1,746,190
Employee Benefits	40,630	38,531	45,466	31,729	35,879	34,366	29,537	256,138	406,314	379,601
Employee Related	5,644	3,873	3,204	3,187	3,700	3,438	2,607	25,653	49,284	51,225
Professional Fees	-	-	306	10	-	-	-	316	3,975	3,741
Advertising & Marketing	5,213	-	2,359	14,318	5,725	8,987	6,261	42,863	77,768	65,697
Comp Expense	-	3,340	-	-	-	-	-	3,340	-	3,340
Repair & Maintenance	53,817	61,662	84,353	82,903	32,520	20,833	30,086	366,174	488,050	444,888
Operating Expenses	27,627	25,858	20,478	21,488	18,576	24,922	23,449	162,398	413,791	264,726
Total Operating Expenses	326,256	315,958	328,897	347,149	255,866	207,006	218,962	2,000,094	3,622,041	2,959,408
Operating Profit	(186,541)	(199,712)	(169,887)	(157,997)	(26,886)	(12,085)	22,636	(730,472)	368,186	(212,850)
Leases - Carts	16,440	16,440	16,364	16,364	8,377	19,944	17,610	111,539	105,000	152,789
Leases - Equipment	19,605	22,357	5,163	16,640	39,321	22,795	19,267	145,148	228,000	250,148
Utilities	168,472	141,589	148,567	134,259	39,120	64,910	35,740	732,657	1,320,391	1,225,436
Fixed Operating Expenses	204,517	180,386	170,094	167,263	86,818	107,649	72,617	989,344	1,653,391	1,628,373
Gross Operating Profit	(391,058)	(380,098)	(339,981)	(325,260)	(113,704)	(119,734)	(49,981)	(1,719,816)	(1,285,205)	(1,841,223)
Insurance	-	86	-	86	86	86	88	432	85,520	344
Property Taxes	-	-	1,011	-	-	3,601	-	4,612	-	4,612
Fees, Permits & Licenses	9	250	86	80	-	140	-	565	3,619	2,862
Base Management Fees	12,000	12,000	12,000	12,000	12,000	12,000	12,000	84,000	144,000	144,000
Bad Debt	-	1,080	270	600	-	153	640	2,743	-	2,103
Total Other Expenses	12,009	13,416	13,367	12,766	12,086	15,980	12,728	92,352	233,139	153,921
Net Income (Loss)	(403,069)	(393,514)	(353,348)	(338,026)	(125,790)	(135,714)	(62,709)	(1,812,170)	(1,518,343)	(1,995,144)

ATTACHMENT D-3

EL CONQUISTADOR INCOME STATEMENT CONSOLIDATED - RESTAURANT/GRILLE - JANUARY 2016

	ACTUAL MONTH	BUDGET MONTH	ACTUAL Y-T-D	BUDGET Y-T-D
FOOD & BEVERAGE REVENUE	65,512	67,178	325,852	454,328
TOTAL REVENUES	65,512	67,178	325,852	454,328
COST OF SALES	20,202	20,638	118,996	144,656
PAYROLL & BENEFITS	45,110	42,928	318,993	273,398
OPERATING EXPENSES	4,881	7,501	55,314	52,541
NET INCOME (LOSS)	(4,681)	(3,889)	(167,451)	(16,267)



Consolidated Year-to-Date Financial Report through January, 2016

Fund	FY 15/16 Begin Bal.	Revenue	Other Fin Sources/Tfrs	Total In	Capital Leases/ Transfer Out	Personnel	O&M	Capital	Contingency	Debt Service	Total Out	Left in Accounts Thru Jan 2016
General Fund - Unassigned	8,597,873	17,190,763	92,500	17,283,263	542,378	12,670,632	3,934,105	78,251	-	-	17,225,367	8,655,769
General Fund - Assigned	1,553,999										-	1,553,999
Highway Fund - Restricted	3,291,083	1,971,938	-	1,971,938	228,366	1,069,511	355,370	603,669	-	-	2,256,916	3,006,105
Seizure & Forfeiture - Justice/State	235,952	46,988	-	46,988	-	122,898	9,680	17,312	-	-	149,890	133,050
Bed Tax Fund - Committed	464,626	489,063	-	489,063	322,044	136,175	130,421	-	-	-	588,640	365,049
Impound Fee Fund	28,435	30,750	-	30,750	-	15,858	-	-	-	-	15,858	43,327
Community Center Fund	1,025,222	3,089,129	-	3,089,129	256,687	289,087	3,223,860	298,060	-	-	4,067,694	46,657
Municipal Debt Service Fund	166,798	92,120	655,750	747,870	-	-	53,771	-	-	711,153	764,924	149,744
Oracle Road Debt Service Fund	1,946	171,628	3,000	174,628	-	-	-	-	-	156,561	156,561	20,013
Alternative Water Resources Dev Impact Fee Fund	4,021,793	497,150	-	497,150	-	-	40,906	174	-	-	41,080	4,477,863
Potable Water System Dev Impact Fee Fund	4,800,153	259,481	-	259,481	-	-	-	-	-	-	-	5,059,634
Townwide Roadway Development Impact Fee Fund	2,677,852	256,625	-	256,625	-	-	-	47,431	-	-	47,431	2,887,046
Parks & Recreation Impact Fee Fund	136,103	71,936	-	71,936	-	-	-	-	-	-	-	208,039
Library Impact Fee Fund	94,798	-	-	-	-	-	-	19,465	-	-	19,465	75,333
Police Impact Fee Fund	254,577	33,599	-	33,599	-	-	-	-	-	-	-	288,176
General Government Impact Fee Fund	3,505	3	-	3	-	-	-	-	-	-	-	3,508
General Government CIP Fund	1,421,593	-	344,568	344,568	-	-	-	1,521,449	-	-	1,521,449	244,712
PAG/RTA Fund	-	2,583,598	-	2,583,598	-	25,463	-	2,066,047	-	-	2,091,510	492,088
Water Utility	13,864,359	9,992,324	-	9,992,324	3,030	1,663,557	3,506,191	1,597,923	-	3,429,202	10,199,904	13,656,779
Stormwater Utility	279,353	470,717	-	470,717	-	195,968	200,715	45,671	-	-	442,354	307,716
Fleet Fund	298,922	566,701	-	566,701	-	50,101	277,171	123,764	-	-	451,035	414,588
Benefit Self Insurance Fund	244,162	1,608,586	-	1,608,586	-	-	1,646,376	-	-	-	1,646,376	206,372
Recreation In-Lieu Fee Fund	6,190	21,728	-	21,728	-	-	-	-	-	-	-	27,918
Total	43,469,294	39,444,827	1,095,818	40,540,645	1,352,505	16,239,249	13,378,566	6,419,218	-	4,296,916	41,686,454	42,323,486



General Fund Local Sales Tax Collections

CATEGORY	JULY	AUG	SEP	OCT	NOV	DEC	JAN	FEB	MAR	APR	MAY	JUNE	TOTAL
Construction Sales Tax	193,497	160,759	190,812	234,763	222,548	254,307	260,568						1,517,253
Utility Sales Tax	257,552	312,494	304,666	286,667	243,827	195,345	242,200						1,842,751
Retail Sales Tax	441,557	415,209	393,690	403,193	413,231	525,645	688,527						3,281,051
All Other Local Sales Tax *	239,739	229,766	182,484	216,361	270,637	276,937	295,738						1,711,662
TOTAL	\$ 1,132,346	\$ 1,118,228	\$ 1,071,652	\$ 1,140,984	\$ 1,150,242	\$ 1,252,234	\$ 1,487,032						\$ 8,352,718

* Note: Does not include cable franchise fees or sales tax audit revenues



Town Council Regular Session

Item # C.

Meeting Date: 04/06/2016

Requested by: Bayer Vella

Submitted By: Robert Kirschmann
Development Infrastructure Services

Department: Development Infrastructure Services

Information

SUBJECT:

Request for approval of an amended Final Plat for Campo Bello, Tract 1, located at the northwest corner of Hardy Road and Calle Buena Vista

RECOMMENDATION:

Staff recommends approval.

EXECUTIVE SUMMARY:

The purpose of this request is to consider an amended Final Plat for Campo Bello Tract 1, located at the northwest corner of Hardy Road and Calle Buena Vista (Attachment 1). The proposal (Attachment 2) consists of an adjusted property line between two residential lots. The new boundary will not result in an increase or decrease to lot sizes, nor the creation of additional lots.

Both property owners involved agree with the proposed change. The amended Final Plat has been reviewed and meets Town requirements.

BACKGROUND OR DETAILED INFORMATION:

The amended Final Plat requires Town Council approval prior to being officially recorded by Pima County. It was originally recorded in 1946.

The property line separating the two lots is irregular, following the wash. The owners of both properties would like to straighten the property line, creating more regular shaped property boundaries. The adjustment to the line will not increase or decrease the lot sizes for either lot, nor create additional lots. After the adjustment to the line, both lots will continue to meet the minimum size required by the zoning (3.3 acres).

Previous Approvals

January 1946: Campo Bello Final Plat approved

FISCAL IMPACT:

N/A

SUGGESTED MOTION:

I MOVE to approve the amended Final Plat for the Campo Bello, Tract 1, finding that it meets Town requirements.

OR

I MOVE to deny the amended Final Plat for the Campo Bello, Tract 1, finding that _____.

Attachments

Location Map
Amended Final Plat

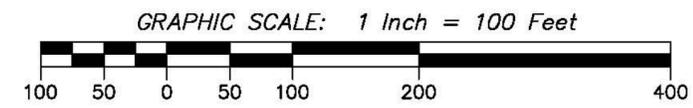
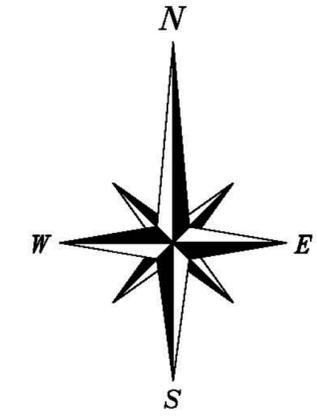
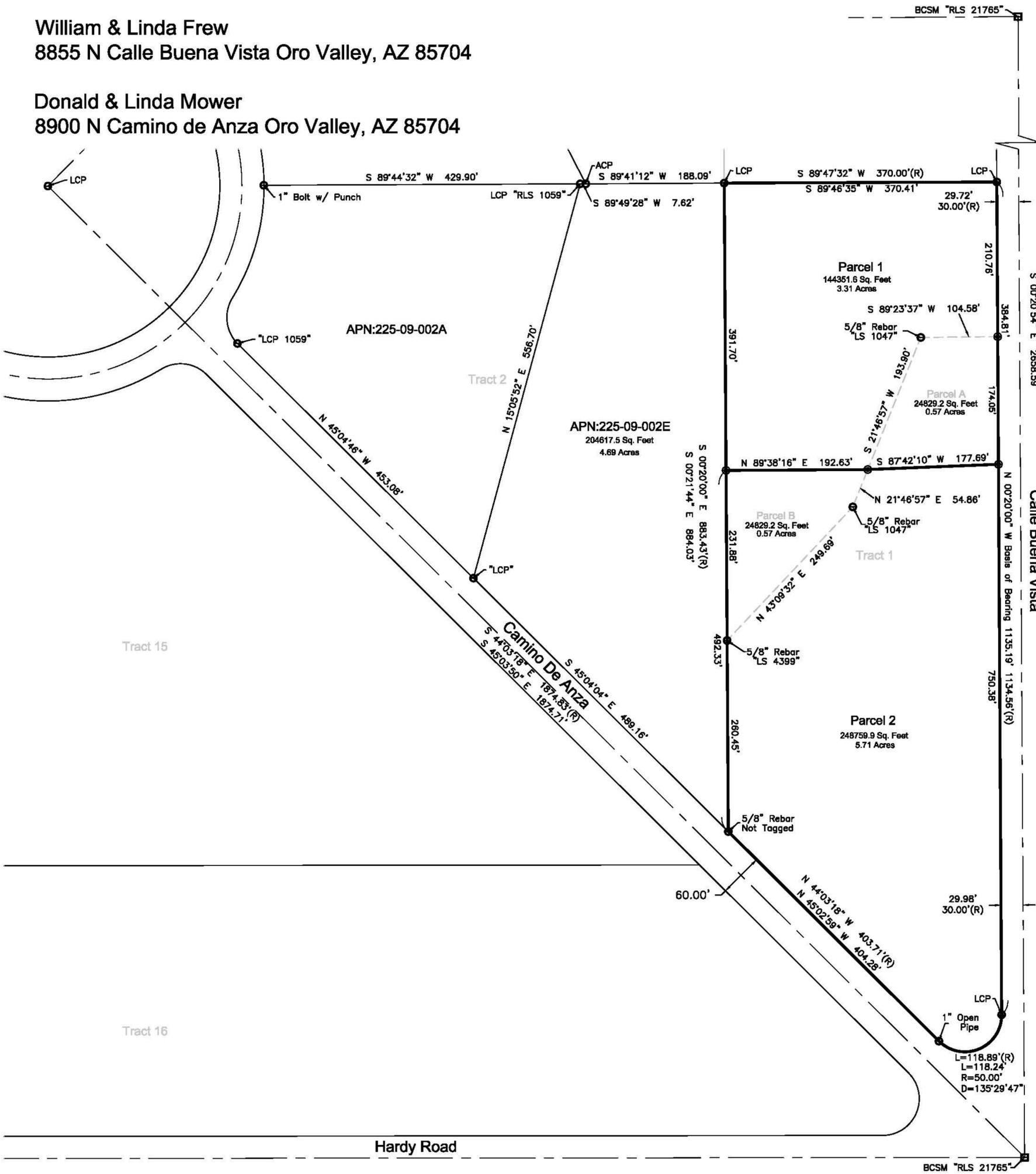


LOCATION MAP

CAMPO BELLO (OV1502087)

William & Linda Frew
8855 N Calle Buena Vista Oro Valley, AZ 85704

Donald & Linda Mower
8900 N Camino de Anza Oro Valley, AZ 85704

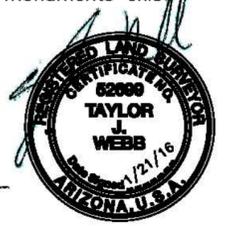


Notes:

1. Basis of Bearing: North 00°20'00" West according to Book 7 of Maps and Plats at Page 70, Pima County, Arizona between monuments found on the east property line of Tract 1, as shown.
 2. This survey was performed without the benefit of a utility bluestake. No guarantee can be made as to the existence and location of underground or hidden utilities.
 3. The surveyor has made no investigation or independent research for easements of record, encumbrances, restrictive covenants, ownership title evidence, or any other facts that a current title search may disclose.
 4. All dimension shown are measured or a calculated derivative thereof unless otherwise noted.
- (R) indicates a record dimension according to Book 7 of Maps and Plats at Page 70, Pima County, Arizona.
- indicates a found brass capped survey monument as described.
- indicates a found monument as described.
- ⊙ indicates a set 1/2" rebar tagged R.L.S. 52699.

Certification:

This is to certify that this survey was performed under my direction during the month of November, 2015 and that all monuments exist as shown.



Taylor J. Webb
Registered Land Surveyor
Arizona Registration No. 52699

Expires 9-30-2017

Oro Valley Project # OV1502087

Lot Line Adjustment Tract 1 of Campo Bello Subdivision as recorded in Book 7 of Maps and Plats at Page 70, a Portion of the Southeast Quarter of Section 23, Township 12 South, Range 13 East, Gila and Salt River Base and Meridian, Pima County, Arizona

Arrow Land Survey, Inc.
LAND SURVEYING
CONSTRUCTION STAKING

3121 E. KLEINDALE RD.
TUCSON, AZ 85716
(520)881-2155
(520)881-2486 FAX

CREW CHIEF: CBH
CAD: TW
DATE: 1/21/2016
JOB No.: 15067
SCALE: 1"=100'
SHEET 1 OF 1



Town Council Regular Session

Item # D.

Meeting Date: 04/06/2016

Requested by: Bayer Vella

Submitted By: Michael Spaeth, Development Infrastructure Services

Department: Development Infrastructure Services

Information

SUBJECT:

Request for approval of the Mattamy Homes Rancho Vistoso Parcel 5F Final Plat, located on the northeast corner of Rancho Vistoso Boulevard and Moore Road

RECOMMENDATION:

Staff recommends approval, subject to the conditions in Attachment 1.

EXECUTIVE SUMMARY:

The purpose of this request is to consider a Final Plat for Mattamy Homes proposed residential subdivision on Rancho Vistoso Parcel 5F, located on the northeast corner of Rancho Vistoso Boulevard and Moore Road (Attachment 2).

The proposed Final Plat (Attachment 3) consists of 116 single-family units on approximately 48 acres. The subdivision will feature single-family homes attached by common walls with clusters no more than five homes. The subdivision also includes a model home village encompassing 8 lots, connections to regional trails and a community recreation area, including a swimming pool.

The Final Plat has been reviewed and meets Town requirements and the approved Conceptual Site Plan.

BACKGROUND OR DETAILED INFORMATION:

The Final Plat requires Town Council approval prior to being officially recorded by Pima County.

In July 2015, the Town Council approved a Minor General Plan Amendment, PAD Amendment, Conceptual Site Plan and Landscape Plan for the proposed development. The Final Plat conforms with the design components (i.e. lot layout, circulation, preservation of open space) approved as part of the previously approved applications.

Proposed Improvements

- 48 acres subdivided into 116 lots
- Average lot size: 4,899 square feet
- Maximum building height: 30 feet/2 stories
- Approximately 17.5 acres of open space

Previous Approvals

- July 2015: Minor General Plan and PAD Amendment regarding a 4.8-acre open space trade
- July 2015: Conceptual Site Plan and Landscape Plan for the proposed development

FISCAL IMPACT:

N/A

SUGGESTED MOTION:

I MOVE to approve the Final Plat for Mattamy Homes Rancho Vistoso Parcel 5F, finding that it meets Town requirements and the approved Conceptual Site Plan.

OR

I MOVE to deny the Final Plat for Rancho Vistoso Parcel 5F, finding that

_____.

Attachments

ATTACHMENT 1 - CONDITIONS OF APPROVAL

ATTACHMENT 2 - LOCATION MAP

ATTACHMENT 3 - FINAL PLAT

**Attachment 1
Conditions of Approval
Rancho Vistoso Parcel 5F Final Plat
Town Council
April 6, 2016**

Planning

1. Add a reference to OV1214-31 on cover sheet.
2. Add the following General Note:
 - a. "Oro Valley Water Utility shall be the water service provider."
3. Revise Zoning for "The Retreats" to read PAD: Town Center on Sheet 6
4. Revise Zoning for "The Retreats" to read PAD: Town Center on Sheet 7

Engineering

1. Address all technical redlined comments within the redlined 24" x 36" Bond Set (Sheets 1 thru 7) on the Final Plat's Mylar Submittal. Provide a comment response letter and return all redlined originals back to the Town of Oro Valley. [Zoning Code Section 22.9.G.1]
2. Sheet 1/7: Please renumber the General Notes from General Note #22 through General Note #23. [Town Zoning Code 22.9.E.2]
3. Sheet 7/7: Please correct the "type-over" located in the "New Right-Of-Way" at the bottom portion of this parcel. [Town Zoning Code 22.9.E.2]
4. Sheet 7/7: Please provide the "Metes and Bounds" for the lower right-hand line of the 20' Sewer Easement Per This Plat. (Note: Each lot's area is presently missing now.) [Town Zoning Code 22.9.E.2]
5. The Basis of Bearing of the Final Site Plan (FSP) is stated as N89°54'2"E L=2636.42. The Basis of Bearing on this Final Plat is stated as S00°02'27"E L=5273.67'. Please make the Basis of Bearing correction to the Final Plat so as the Basis of Bearing on the Final Site Plan and Final Plat match. [Note: Please provide a .pdf of the Final Plat once the Basis of Bearing has been corrected. [Town Zoning Code 22.9.E.2]



LOCATION MAP
RANCHO VISTOSO AND MOORE ROAD
(OV1214-31)

APPROVALS

I, _____ CLERK OF THE TOWN OF ORO VALLEY, HEREBY CERTIFY THAT THIS PLAT WAS APPROVED BY THE MAYOR AND COUNCIL OF THE TOWN OF ORO VALLEY ON THE _____ DAY OF _____ 2015.

CLERK, TOWN OF ORO VALLEY	DATE
PIMA COUNTY REGIONAL WASTEWATER RECLAMATION DEPARTMENT	DATE
TOWN ENGINEER	DATE
PLANNING AND ZONING ADMINISTRATOR	DATE
WATER UTILITY DIRECTOR	DATE

ASSURANCES

ASSURANCES IN THE FORM OF _____ FROM _____ AS RECORDED IN SEQUENCE NO. _____ HAS BEEN PROVIDED TO GUARANTEE DRAINAGE AND STREET IMPROVEMENTS (INCLUDING MONUMENTS) AND UTILITY IMPROVEMENTS (ELECTRIC, TELEPHONE, GAS, SEWER, WATER IN THE SUBDIVISION).

BY: _____ MAYOR - TOWN OF ORO VALLEY DATE _____

ASSURANCES IN THE FORM OF _____ FROM _____ IN THE AMOUNT OF _____ HAVE BEEN PROVIDED TO GUARANTEE THE RESEIZING OF THIS SUBDIVISION IN THE EVENT THE PROJECT IS ABANDONED.

WATER ADEQUACY

THE TOWN OF ORO VALLEY HAS BEEN DESIGNATED BY THE ARIZONA DEPARTMENT WATER RESOURCES AS HAVING AN ASSURED WATER SUPPLY, PURSUANT TO ARS 845-076 AND HEREBY CERTIFIES IN WRITING TO SUPPLY WATER TO THIS SUBDIVISION.

BY: _____ WATER UTILITY DIRECTOR DATE _____

RECORDING DATA

STATE OF ARIZONA } \$5 _____ FEE
COUNTY OF PIMA } \$5 _____ No. _____

THIS INSTRUMENT WAS FILED FOR RECORD AT THE REQUEST OF THE MLD GROUP, INC., ON THIS _____ DAY OF _____ 2015, AT _____ M. IN SEQUENCE NO. _____ THEREOF.

F. ANN RODRIGUEZ, PIMA COUNTY RECORDER

BY: _____ DEPUTY FOR PIMA COUNTY RECORDER DATE _____

RECORD REFERENCES

1.) FINAL PLAT OF "HOKOM MESA VISTOSO TOWN CENTER RANCHO VISTOSO - NEIGHBORHOOD G", ACCORDING TO BOOK 61 OF MAPS, PAGE 84, P.C.R.

BASIS OF BEARING

THE NORTH-SOUTH MIDSECTION LINE OF SECTION 25, MONUMENTED AS SHOWN HEREON AS BEARING S00D1227'E.

OWNER/DEVELOPER

MATTAMY TUCSON, LLC
ATTN: JUSTIN SMITH
6640 N. ORACLE ROAD, #110
TUCSON, AZ 85704

FINAL PLAT

RANCHO VISTOSO PARCEL 5F

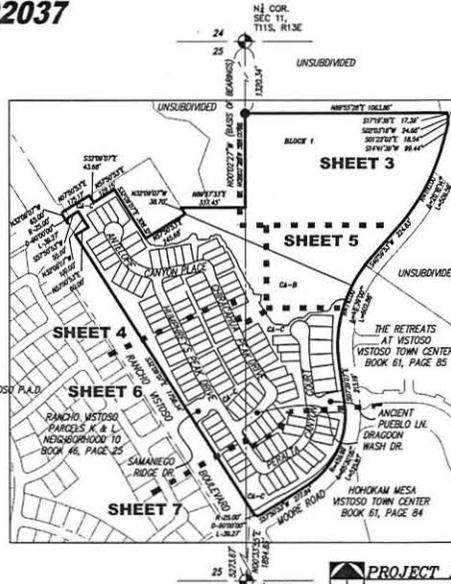
OV1502037

LEGEND

- SUBDIVISION BOUNDARY
- RIGHT OF WAY
- PARCEL LINE
- EASEMENT LINE
- SECTION LINE
- 100-YEAR FLOOD LINE
- FEMA 100-YEAR SPECIAL FLOODPLAIN HAZARD AREA
- N.A.E. NO-ACCESS EASEMENT
- P.U.E. PUBLIC UTILITY EASEMENT
- INDICATES BRASS DISK SURVEY MONUMENT STAMPED TO BE SET UPON COMPLETION OF ROAD CONSTRUCTION
- OPEN SPACE
- FOUND MONUMENT
- 1/2" REBAR W/ TO BE SET BY AN RLS UPON COMPLETION OF IMPROVEMENTS
- FOUND 1/2" REBAR W/ TAG 12214
- FOUND 1/2" REBAR W/ TAG 26923
- SECTION CORNER / QUARTER SECTION CORNER
- LOCATION OF DRIVEWAY AT INTERSECTION

GENERAL NOTES

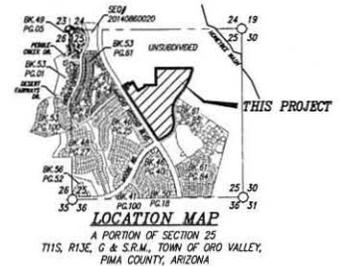
- THE GROSS AREA OF THIS SUBDIVISION IS ±48.38 ACRES.
- TOTAL NUMBER OF LOTS IS 116, TOTAL AREA OF NEW LOTS IS ±13.04 ACRES.
- EXISTING ZONING: RANCHO VISTOSO P.A.D. HIGH DENSITY RESIDENTIAL AND RANCHO VISTOSO P.A.D. OPEN SPACE.
- BLOCK 1 = ±17.55 ACRES.
COMMON AREA A: PRIVATE STREETS, SEWER & UTILITIES = ±5.24 ACRES
COMMON AREA B: COMMON SPACES = ±4.51 ACRES
COMMON AREA C: DRAINAGE, LANDSCAPE, UTILITIES = ±7.53 ACRES
COMMON AREA D: RECREATION & UTILITIES = ±0.30 ACRES
PUBLIC RIGHT OF WAY TO BE DEDICATED = ±0.35 ACRES
- ALL STREETS ARE PRIVATE. TOTAL MILES OF NEW PRIVATE STREETS IS 0.78 MILES.
- THE MAXIMUM LOT SIZE FOR THIS DEVELOPMENT IS 9084 S.F.
- THE MINIMUM LOT SIZE FOR THIS DEVELOPMENT IS 4000 S.F.
- THE AVERAGE LOT SIZE FOR THIS DEVELOPMENT IS 4859 S.F.
- MAXIMUM PERMITTED BUILDING HEIGHT IS 30' / 2 STORIES.
- BUILDING SETBACK PROVISIONS:
FRONT 20 FEET EXCEPT AS NOTED BELOW
SIDE 5 FEET OR 0' FOR COMMON WALL ON ZERO LOT LINE
REAR 5 FEET
A 15' FRONT BUILDING SETBACK IS PERMITTED FOR:
A) HOMES WITH SIDE ENTRY GARAGE
B) HOMES WITH FRONT ENTRY GARAGE PROVIDED THAT A DRIVEWAY AT LEAST 20' IN LENGTH IS MAINTAINED ON THE PROPERTY
- TOTAL RECREATION AREA PARKING REQUIRED/PROVIDED = 6 SPACES.
- PARKING SPACES PER LOT PROVIDED = 2 SPACES.
- NO FURTHER SUBDIVISION OF ANY PARCEL SHOWN SHALL BE PERMITTED WITHOUT WRITTEN APPROVAL OF THE ORO VALLEY TOWN COUNCIL.
- THE AREA BETWEEN THE 100 YEAR FLOOD LIMITS REPRESENTS AN AREA THAT MAY BE SUBJECT TO FLOODING FROM A 100 YEAR FREQUENT FLOOD AND ALL LAND IN THIS AREA WILL BE RESTRICTED TO USES THAT ARE COMPATIBLE WITH FLOOD PLAIN MANAGEMENT AS APPROVED BY THE TOWN ENGINEER. THE FEMA ZONE A FLOOD LINE SHOWN HEREON IS INTERPOLATED FROM THE FEMA FLOOD INSURANCE RATE MAP NO. 04010010001, DATE JUNE 16, 2011.
- THE BASIS OF BEARING FOR THIS PROJECT IS THE NORTH-SOUTH MIDSECTION LINE OF SECTION 25, TOWNSHIP 11 SOUTH, RANGE 13 EAST, OLA AND SALT RIVER MERIDIAN, TOWN OF ORO VALLEY, PIMA COUNTY, ARIZONA.
SAD BEARING BEING: S00D1227'E, IN ACCORDANCE WITH THE FINAL PLAT RECORDED IN BOOK 61, PAGE 84, PIMA COUNTY RECORDER.
- MAINTENANCE OF EASEMENTS WITHIN THE LOTS SHALL BE THE RESPONSIBILITY OF THE PROPERTY OWNER. MAINTENANCE OF EASEMENTS WITHIN THE COMMON AREAS SHALL BE THE RESPONSIBILITY OF THE HOMEOWNERS ASSOCIATION.
- THE PROFESSIONAL ENGINEER OF RECORD SHALL CERTIFY AS TO THE FORM, LINE AND FUNCTION OF ALL PUBLIC AND PRIVATE ROADWAYS AND DRAINAGE STRUCTURES BEFORE THE RELEASE OF ASSURANCES.
- THE HOMEOWNERS ASSOCIATION AGREES TO 1) KEEP ALL COMMON AREAS MAINTAINED IN A WEED-FREE, TRASH-FREE CONDITION, 2) REPLACE ANY DEAD PLANT MATERIALS WITHIN 90 DAYS, AND 3) MAINTAIN THE IRRIGATION SYSTEM IN PROPER WORKING ORDER.
- NO IMPROVEMENTS BETWEEN THIRTY (30) AND SEVENTY-TWO (72) INCHES IN HEIGHT RELATIVE TO THE ADJACENT ROADWAY WHICH WOULD INTERFERE WITH THE PURPOSE AND INTENT OF THE SIGHT VISIBILITY TRIANGLE SHALL BE PERMITTED, PLACED OR MAINTAINED WITHIN THE SIGHT VISIBILITY TRIANGLES SHOWN ON THIS PLAT.
- PROPERTY OWNERS SHALL MAINTAIN PLANTINGS TO ENSURE UNOBSTRUCTED VISIBILITY TO TRAVELERS. ALL SHRUBS, ACCESSIONS AND GROUNDCOVERS SHALL NOT EXCEED THIRTY (30) INCHES IN HEIGHT WITHIN THE SIGHT VISIBILITY TRIANGLES. TREES WITHIN THE SIGHT VISIBILITY TRIANGLES WILL BE MAINTAINED TO ENSURE THAT BRANCHES/FOLIAGE IS NOT BELOW A HEIGHT OF SEVENTY-TWO (72) INCHES.
- THIS DEVELOPMENT WILL BE SERVED BY ORO VALLEY WATER UTILITY (OVWU) WHICH HAS BEEN DESIGNATED AS HAVING AN ASSURED 100-YEAR WATER SUPPLY BY THE DIRECTOR OF WATER RESOURCES.
- UTILITIES WILL BE LOCATED UNDERGROUND IN CONFORMANCE WITH ARIZONA CORPORATION COMMISSION AMENDED GENERAL ORDER U-48.
- INTERIOR PROPERTY CORNERS AND CENTERLINE MONUMENTATION SHALL BE SET AS SOON AS COMPLETION OF THE INFRASTRUCTURE AND IMPROVEMENTS MAKE IT PRACTICAL TO DO SO. IF SUCH MONUMENTS SHOULD DIFFER FROM THE TYPE DESCRIBED ON THE FINAL PLAT, A RECORD OF SURVEY PLAT SHALL BE RECORDED SHOWING THESE DIFFERENCES.
- ALL PROSPECTIVE BUYERS OF LOTS WITHIN THIS SUBDIVISION SHALL BE INFORMED OF THE PRESENCE AND LOCATION OF THE LA LUNA AIRPORT, A PRIVATE AIRPARK LOCATED SOUTHWEST OF THE PROJECT. ALL PROSPECTIVE BUYERS SHALL BE INFORMED THAT LOW FLYING AIRCRAFT MAY BE A NUISANCE.
- NO FINAL INSPECTION FOR ANY LOT WITHIN THIS SUBDIVISION SHALL BE APPROVED UNTIL A BUILDING CODES OFFICIAL HAS VERIFIED THAT CONSTRUCTION ON THE LOT IS COMPLETE AND SIDEWALKS HAVE BEEN INSTALLED, PROPERTY LINE TO PROPERTY LINE.



PROJECT LAYOUT
1" = 300'

SHEET INDEX

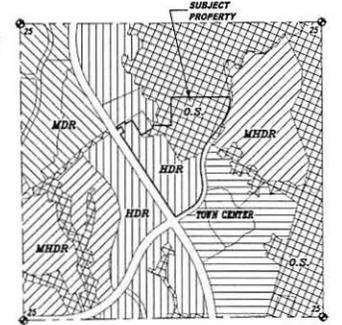
- SHEET 1 COVER SHEET
- SHEET 2 TABLE SHEET
- SHEETS 3 - 7 PLAN SHEETS



LOCATION MAP
A PORTION OF SECTION 25
T11S, R13E, G & S.R.M., TOWN OF ORO VALLEY,
PIMA COUNTY, ARIZONA

ZONING KEY

- HDR
- MHDR
- MDR
- TOWN CENTER
- OS/RBC



P.A.D. ZONING MAP
RANCHO VISTOSO
1" = 1,000'

DEDICATION

WE, THE UNDERSIGNED, HEREBY WARRANT THAT WE ARE ALL AND THE ONLY PARTIES HAVING ANY RECORD TITLE INTEREST IN THE LAND SHOWN ON THIS PLAT AND WE CONSENT TO THE SUBDIVISION OF SAID LAND IN THE MANNER SHOWN HEREON.

WE, THE UNDERSIGNED, OUR SUCCESSORS AND ASSIGNS, DO HEREBY SAVE THE TOWN OF ORO VALLEY, ITS SUCCESSORS AND ASSIGNS, THEIR EMPLOYEES, OFFICERS, AND AGENTS HARMLESS FROM ANY AND ALL CLAIMS FOR DAMAGES RELATED TO THE USE OF SAID LANDS NOW AND IN THE FUTURE BY REASON OF FLOODING, FLOWAGE, EROSION, OR DAMAGE CAUSED BY WATER, WHETHER SURFACE FLOOD, OR RAINFALL. IT IS FURTHER UNDERSTOOD AND AGREED THAT NATURAL DRAINAGE SHALL NOT BE ALTERED, DISTURBED, OR OBSTRUCTED OTHER THAN AS SHOWN HEREON WITHOUT THE WRITTEN APPROVAL OF THE TOWN OF ORO VALLEY TOWN COUNCIL.

GRANTOR HEREBY IRREVOCABLY GRANTS AND DEDICATES EASEMENTS TO PIMA COUNTY FOR ACCESS, INSTALLATION, CONSTRUCTION MAINTENANCE AND REPLACEMENT OF PUBLIC SEWER SYSTEMS IN ALL COMMON AREA "A" DESIGNATED BY THIS PLAT.

COMMON AREAS A, C, & D SHOWN HEREON AND DRAINAGEWAYS, ARE RESERVED FOR THE PRIVATE USE AND CONVENIENCE OF ALL OWNERS OF PROPERTY WITHIN THIS SUBDIVISION, THEIR GUESTS AND INVITEES, AND ARE GRANTED AS EASEMENTS TO ALL PUBLIC AND PRIVATE UTILITY COMPANIES AND PIMA COUNTY FOR THE PURPOSE OF ACCESS, INSTALLATION AND MAINTENANCE OF UNDERGROUND UTILITIES. NO OVERHEAD LINES SHALL BE USED.

TITLE TO THE LAND OF ALL COMMON AREAS SHALL BE VESTED IN AN ASSOCIATION OF INDIVIDUAL OWNERS AS ESTABLISHED BY COVENANTS, CONDITIONS AND RESTRICTIONS RECORDED IN SEQUENCE NO. _____ IN THE OFFICE OF THE PIMA COUNTY RECORDER. EACH AND EVERY OWNER WITHIN THE SUBDIVISION SHALL BE A MEMBER OF THE ASSOCIATION, WHICH WILL ACCEPT ALL RESPONSIBILITY FOR THE CONTROL, MAINTENANCE, SAFETY AND LIABILITY OF ALL COMMON AREAS WITHIN THIS SUBDIVISION AS SHOWN HEREON.

MATTAMY TUCSON, LLC, A DELAWARE LIMITED LIABILITY COMPANY
6640 N. ORACLE RD., #110
TUCSON, AZ 85704

NOTARY

STATE OF ARIZONA } FEE _____
COUNTY OF PIMA } \$5 _____ No. _____

ON THIS _____ DAY OF _____, 2015, BEFORE ME, THE UNDERSIGNED _____ WHO ACKNOWLEDGED _____ SELF TO BE _____ PERSONALLY APPEARED, _____ OF _____ BEING AUTHORIZED SO TO DO, EXECUTED THE FOREGOING INSTRUMENT FOR THE PURPOSE THEREIN CONTAINED BY THEMSELVES AS OWNERS.

MY COMMISSION EXPIRES _____ NOTARY PUBLIC _____

CERTIFICATION

I HEREBY CERTIFY THAT THE BOUNDARY SURVEY SHOWN ON THIS PLAT WAS PERFORMED UNDER MY DIRECTION AND THAT ALL EXISTING AND/OR PROPOSED SURVEY MONUMENTS AND MARKERS SHOWN ARE CORRECTLY DESCRIBED. I FURTHER CERTIFY THAT THIS PLAT WAS PREPARED UNDER MY DIRECTION.

PETER D. COTE, RLS 44121



DAVID W. LITTLE, P.E., No. 36234



FINAL PLAT
RANCHO VISTOSO PARCEL 5F

LOTS 1 THRU 116, BLOCK 1 AND COMMON AREAS A THRU D
BEING A PORTION OF SECTION 25 TOWNSHIP 11 SOUTH,
RANGE 13 EAST, G & S.R.M., TOWN OF ORO VALLEY,
PIMA COUNTY, ARIZONA

Roll: OV1114-004
OV14-010

1" = 40'
NOVEMBER, 2015
185090MT03
OV1502037
SHEET 1 OF 7

SEQ.

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www.wlb.com | 800.999.9999
Tucson, Arizona (520) 881-7480

CURVE TABLE				
CURVE #	RADIUS	DELTA	LENGTH	CH. BEARING
C1	200.00	241.00*	84.80	63.87
C2	1270.00	6*40'00"	147.78	147.70
C3	520.00	1455'40"	135.48	135.10
C4	225.00	65'30'00"	257.22	243.44
C5	885.00	9'55'20"	153.26	153.07
C6	200.00	87'53'34"	236.99	223.37
C7	1000.00	744'04"	134.89	134.89
C8	200.00	18'21'53"	64.11	63.83
C9	545.00	11'35'36"	11.67	11.67
C10	25.00	79'42'37"	34.78	32.04
C11	25.00	90'00'00"	39.27	35.36
C12	25.00	43'27'20"	18.95	18.51
C13	25.00	133'27'20"	58.23	45.93
C14	60.00	100'29'08"	105.23	92.25
C15	250.00	56'29'20"	246.48	236.62
C16	25.00	10'39'11"	47.12	40.45
C17	25.00	21'38'22"	9.44	8.39
C18	25.00	93'01'54"	40.62	36.30
C19	25.00	87'09'48"	38.03	34.47
C20	55.00	321'7'02"	30.99	30.58
C21	25.00	125'07'14"	54.59	44.37
C22	860.00	9'55'20"	148.83	148.75
C23	51.00	241'35'23"	215.04	87.62
C24	50.00	56'02'45"	91.53	49.28
C25	910.00	7'22'42"	117.19	117.11
C26	200.00	65'30'00"	228.64	216.39
C27	25.00	79'42'37"	34.78	32.04
C28	545.00	358'23"	37.78	37.78
C29	25.00	87'30'00"	38.16	34.58
C30	225.00	18'21'53"	72.12	71.81
C31	60.00	86'54'46"	94.18	84.79
C32	975.00	744'04"	131.62	131.52
C33	60.00	96'24'18"	100.86	89.46
C34	740.00	9'55'20"	128.15	127.99
C35	50.00	60'58'40"	53.21	50.74
C36	51.00	240'56'40"	214.50	87.90
C37	740.00	9'55'20"	128.15	127.99
C38	1295.00	0'42'27"	15.99	15.99
C39	225.00	1'22'35"	5.40	5.40
C40	1295.00	61'44'08"	141.19	141.12
C41	25.00	126'42'31"	56.80	45.26
C42	25.00	40'07'44"	17.51	17.15
C43	25.00	90'00'00"	39.27	35.36
C44	25.00	92'30'00"	40.36	36.12
C45	1245.00	6'40'01"	144.87	144.79
C46	1295.00	1'46'12"	40.01	40.00
C47	25.00	85'34'21"	39.08	35.22
C48	25.00	75'37'38"	33.00	30.65
C49	1025.00	744'04"	136.37	136.26
C50	25.00	68'56'48"	84.80	82.30

CURVE TABLE				
CURVE #	RADIUS	DELTA	LENGTH	CH. BEARING
C51	175.00	18'21'53"	56.09	55.85
C52	740.00	9'55'20"	128.15	127.99
C53	35.00	56'05'00"	34.28	32.91
C54	86.00	78'32'43"	93.22	86.09
C55	25.00	90'00'00"	39.27	35.36
C56	1295.00	1'46'12"	40.01	40.00
C57	1295.00	1'59'57"	45.16	45.15
C58	25.00	118'31'08"	51.71	42.97
C59	51.00	36'24'30"	32.41	31.87
C60	51.00	46'12'32"	41.13	40.03
C61	51.00	56'50'01"	50.72	46.68
C62	51.00	36'32'01"	32.52	31.97
C63	51.00	28'15'17"	25.15	24.80
C64	50.00	32'36'31"	28.45	28.07
C65	50.00	28'22'19"	24.78	24.31
C66	175.00	7'48'11"	23.83	23.81
C67	175.00	15'48'29"	48.28	48.13
C68	60.00	20'11'28"	21.14	21.03
C69	60.00	24'28'01"	25.62	25.43
C70	60.00	41'41'47"	43.66	42.71
C71	60.00	10'03'03"	10.53	10.51
C72	975.00	0'33'11"	15.06	15.06
C73	975.00	2'21'22"	40.09	40.09
C74	975.00	2'21'06"	40.02	40.01
C75	975.00	2'08'26"	36.43	36.42
C76	60.00	39'00'24"	40.85	40.85
C77	60.00	30'10'30"	31.60	31.24
C78	60.00	13'07'24"	13.62	13.59
C79	225.00	8'15'40"	24.59	24.58
C80	225.00	10'14'25"	40.21	40.15
C81	25.00	49'03'33"	21.41	20.78
C82	25.00	38'28'27"	16.77	16.48
C83	25.00	28'56'04"	12.63	12.49
C84	200.00	24'01'40"	83.87	83.26
C85	200.00	14'54'35"	52.04	51.90
C86	200.00	14'21'48"	50.14	50.01
C87	200.00	12'11'57"	42.58	42.50
C88	250.00	9'46'36"	42.86	42.61
C89	250.00	9'11'28"	40.10	40.06
C90	250.00	10'71'9"	44.89	44.83
C91	250.00	11'28'48"	50.09	50.01
C92	250.00	9'18'11"	40.59	40.58
C93	250.00	3'25'22"	14.94	14.93
C94	60.00	32'23'55"	33.83	33.48
C95	60.00	28'42'53"	27.98	27.72
C96	60.00	23'00'28"	24.09	23.83
C97	60.00	18'22'01"	19.23	19.15
C98	25.00	11'17'22"	4.88	4.87
C99	25.00	118'50'11"	91.85	43.05
C100	860.00	4'25'04"	66.31	66.29

CURVE TABLE				
CURVE #	RADIUS	DELTA	LENGTH	CH. BEARING
C101	860.00	5'25'19"	81.36	81.35
C102	860.00	0'04'57"	1.24	1.24
C103	51.00	27'47'08"	24.73	24.41
C104	51.00	35'56'34"	32.02	31.50
C105	51.00	149'48'33"	133.35	98.46
C106	51.00	28'01'08"	24.84	24.81
C107	50.00	45'55'30"	40.08	39.01
C108	910.00	1'48'08"	28.62	28.62
C109	910.00	3'09'01"	50.03	50.03
C110	910.00	2'25'33"	38.53	38.53
C111	25.00	49'37'56"	21.66	20.89
C112	25.00	25'59'42"	11.34	11.25
C113	1025.00	1'41'28"	30.26	30.26
C114	1025.00	2'14'13"	40.02	40.02
C115	1025.00	2'14'10"	40.01	40.01
C116	1025.00	1'34'12"	28.09	28.09
C117	1245.00	0'08'04"	2.92	2.92
C118	1245.00	1'50'33"	40.03	40.03
C119	1245.00	1'50'27"	40.00	40.00
C120	1245.00	1'50'29"	40.01	40.01
C121	1245.00	1'00'28"	21.80	21.80
C122	740.00	9'55'20"	128.15	127.99
C123	41.00	8'53'40"	34.83	34.83
C124	225.00	10'12'56"	40.12	40.07
C125	225.00	10'16'29"	40.35	40.25
C126	225.00	13'28'54"	52.94	52.82
C127	225.00	2'25'29"	10.00	10.00
C128	225.00	2'22'44"	9.31	9.31
C129	25.00	37'17'04"	18.27	15.98
C130	25.00	36'21'37"	15.87	15.80
C131	25.00	88'34'31"	39.08	35.27
C132	175.00	15'02'08"	45.92	45.78
C133	51.00	36'35'18"	32.57	32.02
C134	51.00	67'10'33"	2.74	2.74
C135	175.00	11'00'22"	33.62	33.56
C136	175.00	7'21'31"	22.48	22.48
C137	60.00	74'32'8"	8.09	8.08
C138	250.00	3'01'35"	13.21	13.20
C139	25.00	17'37'11"	7.69	7.68
C140	25.00	90'22'08"	39.43	35.47
C141	50.00	13'07'15"	11.45	11.43
C142	50.00	90'00'00"	39.27	35.36

LINE TABLE		
LINE #	DIRECTION	LENGTH
L1	S083°35'E	9.36
L2	S36°53'08"E	21.78
L3	S85°18'18"E	4.65
L4	S05°44'57"E	8.86
L5	S56°43'58"E	4.01
L6	S89°54'41"E	15.92
L7	S84°38'18"E	14.23
L8	N78°57'19"E	11.73
L9	S87°36'13"E	30.50
L10	N80°34'03"E	18.17
L11	N67°52'39"E	21.80
L12	N88°27'21"E	30.31
L13	N85°03'05"E	61.79
L14	N43°04'22"E	36.07
L15	S78°54'52"E	19.03
L16	S15°29'57"E	31.51
L17	N87°13'34"E	60.49
L18	N25°55'58"E	18.99
L19	N71°11'21"E	8.26
L20	S45°38'07"E	5.08
L21	N53°50'49"E	16.65
L22	S78°39'27"E	25.70
L23	S25°57'32"E	30.83
L24	S87°38'34"E	5.56
L25	S31°37'00"E	26.06
L26	S02°33'07"E	9.50
L27	S34°40'41"E	8.22
L28	N50°25'24"E	3.98
L29	S38°27'13"E	17.57
L30	S29°16'58"E	71.21
L31	S20°14'00"E	32.41
L32	S30°32'41"E	40.77
L33	S21°28'49"E	37.84
L34	S41°28'41"E	35.08
L35	S23°22'10"E	12.15
L36	S65°27'30"E	19.51
L37	S14°09'27"E	27.51
L38	S85°21'02"E	39.55
L39	S04°11'28"E	36.00
L40	S59°21'57"E	10.88
L41	S32°25'43"E	44.14
L42	S52°17'35"E	8.15
L43	S14°16'56"E	17.80
L44	S34°12'37"E	33.80
L45	S33°50'33"E	17.39
L46	S86°02'41"E	36.40
L47	S77°25'19"E	20.39
L48	N85°23'17"E	16.36
L49	N50°28'08"E	45.07
L50	N88°00'59"E	42.05
L51	N80°58'22"E	52.92
L52	N57°42'24"E	15.91
L53	N21°52'14"E	24.62
L54	N46°44'59"E	35.72
L55	N78°55'18"E	29.16
L56	S85°32'48"E	5.65
L57	N64°28'26"E	13.41
L58	N85°40'07"E	5.28

LINE TABLE		
LINE #	DIRECTION	LENGTH
FL59	S31°56'11"W	52.44
FL60	S57°14'51"E	24.04
FL61	S74°56'52"E	45.06
FL62	S58°17'31"E	32.78
FL63	S61°43'41"E	21.67
FL64	S15°26'11"E	25.78
FL65	S30°10'40"E	7.71
FL66	S36°54'47"E	17.13
FL67	S32°28'23"E	38.16
FL68	S72°42'28"E	56.50
FL69	S88°08'10"E	38.86
FL70	S54°50'25"E	36.00
FL71	S38°18'15"E	36.58
FL72	S47°48'06"E	22.40
FL73	S79°22'32"E	24.10
FL74	S70°58'16"E	11.91
FL75	S65°19'15"E	46.15
FL76	S67°40'12"E	20.39
FL77	S53°10'29"E	18.83
FL78	S37°38'42"E	35.07
FL79	S33°36'56"E	14.72
FL80	S70°12'32"E	59.74
FL81	S68°26'56"E	27.80
FL82	N85°02'28"E	15.80
FL83	N62°55'06"E	21.25
FL84	N78°26'52"E	35.86
FL85	S74°59'17"E	65.71
FL86	S39°05'15"E	21.49
FL87	S73°35'33"E	17.85
FL88	S69°21'18"E	41.58
FL89	S31°52'40"E	45.56
FL90	S46°50'03"E	30.88
FL91	S70°51'07"E	26.59
FL92	S80°33'28"E	29.22
FL93	S75°49'30"E	57.48
FL94	S89°48'08"E	37.90
FL95	S62°17'22"E	26.55
FL96	S40°16'34"E	62.61
FL97	S58°42'32"E	86.72
FL98	S63°27'31"E	65.97
FL99	S33°56'36"E	23.20
FL100	N67°24'39"E	21.22
FL101	N53°25'22"E	43.57
FL102	N86°42'03"E	26.11
FL103	N78°49'57"E	18.28
FL104	S81°32'17"E	50.39
FL105	S88°50'31"E	23.42
FL106	N66°36'23"E	21.74
FL107	N52°45'28"E	43.68
FL108	N67°15'00"E	28.3



NORTH 1/4 CORNER,
SEC. 25, T.11S, R.12E.

APN 219-21-627X
UNSUBDIVIDED
ZONING: OS/P.A.D.

APN 219-21-627Y
UNSUBDIVIDED
ZONING: OS/P.A.D.

APN 219-21-627U
UNSUBDIVIDED
ZONING: P.A.D. MHDR

APN 219-21-627W
UNSUBDIVIDED
ZONING: P.A.D. MHDR

APN 219-21-627X
UNSUBDIVIDED
OS/P.A.D.

BLOCK 1
ZONING: P.A.D. O.S.
±764,829 sq.ft
17.553 acres

BLOCK 1
±764,829 sq.ft
17.553 acres

100-YEAR FLOOD
PRONE LIMITS

100-YEAR FEMA
ZONE A
BOUNDARY

50' ACCESS EASEMENT PER
DOC. #2014-2250307



INDEX LAYOUT
1" = 300'

SHEET 4

SHEET 5

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Flagstaff, AZ and Las Vegas, NV.
4444 E. Camel Blvd. Suite 100
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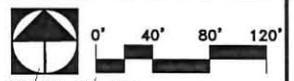
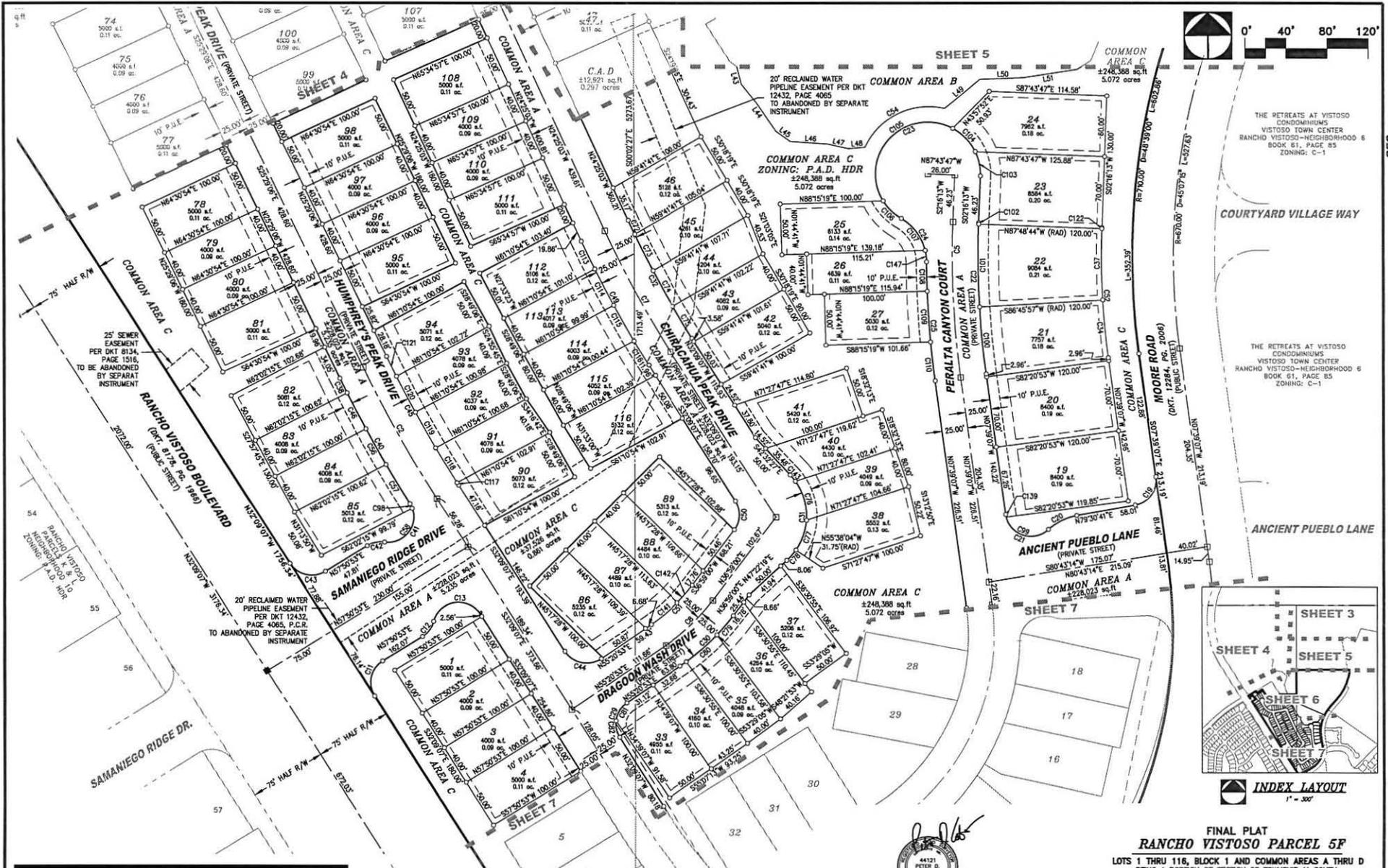
FINAL PLAT
RANCHO VISTOSO PARCEL 5F
LOTS 1 THRU 116, BLOCK 1 AND COMMON AREAS A THRU D
BEING A PORTION OF SECTION 25 TOWNSHIP 11 SOUTH,
RANGE 13 EAST, 2 & 3 R.M. TOWN OF ORO VALLEY,
PIMA COUNTY, ARIZONA

Ref: OV1114-004
OV914-010

1" = 40'
NOVEMBER, 2015
185050MT03
OV1802037
SHEET 3 OF 7

SEQ.

SEQ.

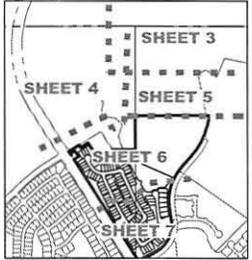


THE RETREATS AT VISTOSO
CONDOMINIUMS
VISTOSO TOWN CENTER
RANCHO VISTOSO-NEIGHBORHOOD 6
BOOK 61, PAGE 85
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COURTYARD VILLAGE WAY

THE RETREATS AT VISTOSO
CONDOMINIUMS
VISTOSO TOWN CENTER
RANCHO VISTOSO-NEIGHBORHOOD 6
BOOK 61, PAGE 85
ZONING: C-1

ANCIENT PUEBLO LANE



INDEX LAYOUT
1" = 300'



FINAL PLAT
RANCHO VISTOSO PARCEL 5F
LOTS 1 THRU 116, BLOCK 1 AND COMMON AREAS A THRU D
BEING A PORTION OF SECTION 25 TOWNSHIP 11 SOUTH,
RANGE 13 EAST, G & S.R.L.M. TOWN OF ORO VALLEY,
PINAL COUNTY, ARIZONA

Ref: OV1114-004
OV914-010

1" = 40'
NOVEMBER, 2015
185050M103
OV1502037
SHEET 6 OF 7

SEQ.

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44121 PETER D. COFFEY
15717
Tucson, Arizona (520) 901-7460

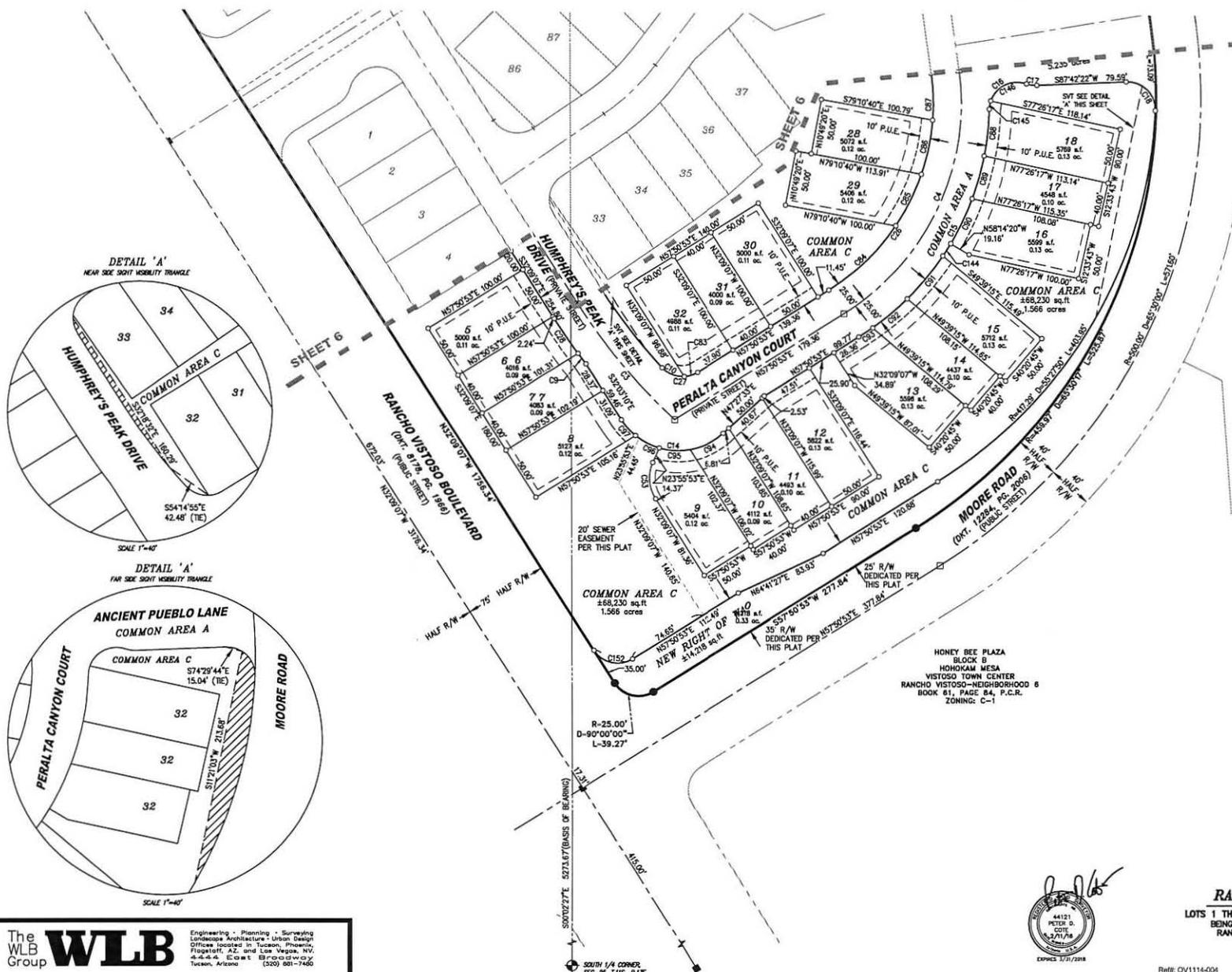


THE RETREATS AT VISTOSO
CONDOMINIUMS
VISTOSO TOWN CENTER
RANCHO VISTOSO-NEIGHBORHOOD 6
BOOK 61, PAGE 85
ZONING: C-1

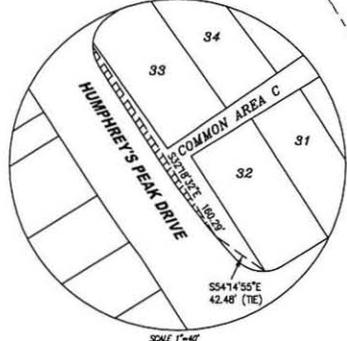
HONEY BEE VILLAGE PRESERVE
BLOCK A
HONOKAM MESA
VISTOSO TOWN CENTER
RANCHO VISTOSO-NEIGHBORHOOD 6
BOOK 61, PAGE 84
ZONING: C-1



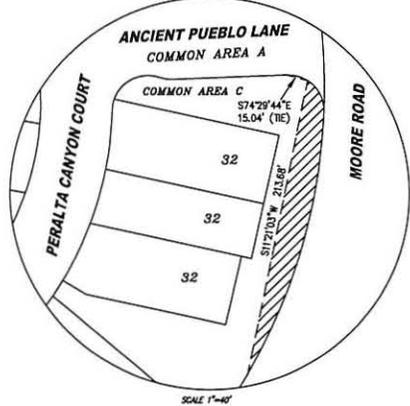
INDEX LAYOUT
1" = 300'



DETAIL 'A'
NEAR SIDE SIGHT VISIBILITY TRIANGLE



DETAIL 'A'
FAR SIDE SIGHT VISIBILITY TRIANGLE



**FINAL PLAT
RANCHO VISTOSO PARCEL 5F**

LOTS 1 THRU 116, BLOCK 1 AND COMMON AREAS A THRU D
BEING A PORTION OF SECTION 25 TOWNSHIP 11 SOUTH,
RANGE 13 EAST, 6 & 5/8 R.M. TOWN OF CRO VALLEY,
PIMA COUNTY, ARIZONA.

The **WLB** Group
Engineering - Planning - Surveying
Landscape Architecture - Urban Design
Office Locations in Tucson, Phoenix,
Flagstaff, AZ and Las Vegas, NV
444 S. Camelback Road, Suite 200
Tucson, Arizona (520) 601-7460

Ref: 011114-004
09/14-010

1" = 40'
NOVEMBER 2015
185050M103
01502037
SHEET 7 OF 7

SEQ.



Town Council Regular Session

Item # E.

Meeting Date: 04/06/2016

Requested by: Bayer Vella

Submitted By: Michael Spaeth, Development Infrastructure Services

Department: Development Infrastructure Services

Information

SUBJECT:

Request for approval of a Block Plat amendment to the Hohokam Mesa Final Plat, located on the southeast corner of Rancho Vistoso Boulevard and Moore Road

RECOMMENDATION:

Staff recommends approval of the proposed amendment, subject to the conditions in Attachment 1.

EXECUTIVE SUMMARY:

The purpose of this request is to consider a Block Plat amendment to the existing Hohokam Mesa Final Plat, located on the southeast corner of Rancho Vistoso Boulevard and Moore Road (Attachment 2).

The portion of the existing plat (Attachment 3) affected by the request is known as Block B. The amendment (Attachment 4) proposes to relocate the previously approved Archaeological Display Area within Block B to a new location adjacent to the future Moore Road extension.

The new archaeological display area provides several advantages over the existing location:

- More accessible to the general public
- Improved visibility and access to the preserve
- Enhanced amenities including a ramada and pedestrian connections with surrounding neighborhoods

Staff has worked closely with the Historic Preservation Commission and Pima County on this proposal. Both support the change.

Additional archaeological work will be required for this site prior to the Conceptual Site Plan moving forward in the approval process. Furthermore, the specific design details regarding the future archaeological display area (parking, access and amenities) will

be reviewed by the Historic Preservation Commission for recommendation. Two conditions are included in Attachment 1 regarding the archaeological display area and associated amenities.

As a result of current ownership within the Rancho Vistoso Town Center, the Homeowners Association (HOA) has a role in the process as well. Currently, the HOA owns common areas within the site, including the existing archaeological display area, and will be required to be a signatory on the Final Plat approving the proposed change.

The property owners wish to dedicate the proposed archaeological display area to the Town which could be processed in conjunction with the Conceptual Site Plan and Final Plat. The Historic Preservation Commission, Pima County and Town staff (planning and parks & recreation) are all in support of the proposed dedication as it would best ensure public access to the Honey Bee Village Preserve.

The proposed amendment meets Town requirements.

BACKGROUND OR DETAILED INFORMATION:

An amended Final Plat requires Town Council approval prior to being recorded with Pima County.

In April 2006, Town Council approved a Preliminary Plat/Development Plan for the entire Vistoso Town Center, including Block B (the area impacted by the proposed block plat), which has subsequently expired. In August 2006, Town Council approved a Final Plat for the Hohokam Mesa residential subdivision.

The applicant's proposal was presented to the Historic Preservation Commission as an informational item on March 2, 2015. The commission and representatives from Pima County expressed support for the proposed changes. Planning and Parks & Recreation staff and the applicant have worked extensively with members of the Pima County Cultural Resources and Historic Preservation Division.

Additional field work will be required regarding the cultural resources in the current archaeological display area prior to the Conceptual Site Plan moving forward in the review and approval process. The results of the archaeological field work and the details regarding site elements will be provided for review and recommendation from the Historic Preservation Commission, including parking, access and amenities. Two conditions are included in Attachment 1 regarding the archaeological display area and the associated amenities.

Due to the current ownership within Rancho Vistoso Town Center, the Hohokam Mesa HOA will have a role in the process moving forward. The HOA owns the common areas, including the current archaeological display area, and will subsequently need to be a signatory on the Final Plat approving the applicant's proposal.

The property owners wish to dedicate the proposed archaeological display area to the Town which could be processed in conjunction with the Conceptual Site Plan and Final

Plat. The Historic Preservation Commission, Pima County and Town staff (Planning and Parks & Recreation) are all in support of the proposed dedication as it would best ensure public access to the Honey Bee Preserve.

Proposed Improvements

- Relocation of the existing archaeological display area
- Abandonment of an existing access easement to the archaeological display area

Previous Approvals

- April 2006: Preliminary Plat/Development Plan approved by Town Council for the Vistoso Town Center
- August 2006: Separate Final Plat's approved by Town Council for Hohokam Mesa residential subdivision

FISCAL IMPACT:

N/A

SUGGESTED MOTION:

I MOVE to approve the proposed Block Plat amendment to the Hohokam Mesa Final Plat, finding that it meets Town requirements.

OR

I MOVE to deny the proposed Block Plat amendment to the Hohokam Mesa Final Plat, finding _____.

Attachments

ATTACHMENT 1 - CONDITIONS OF APPROVAL

ATTACHMENT 2 - LOCATION MAP

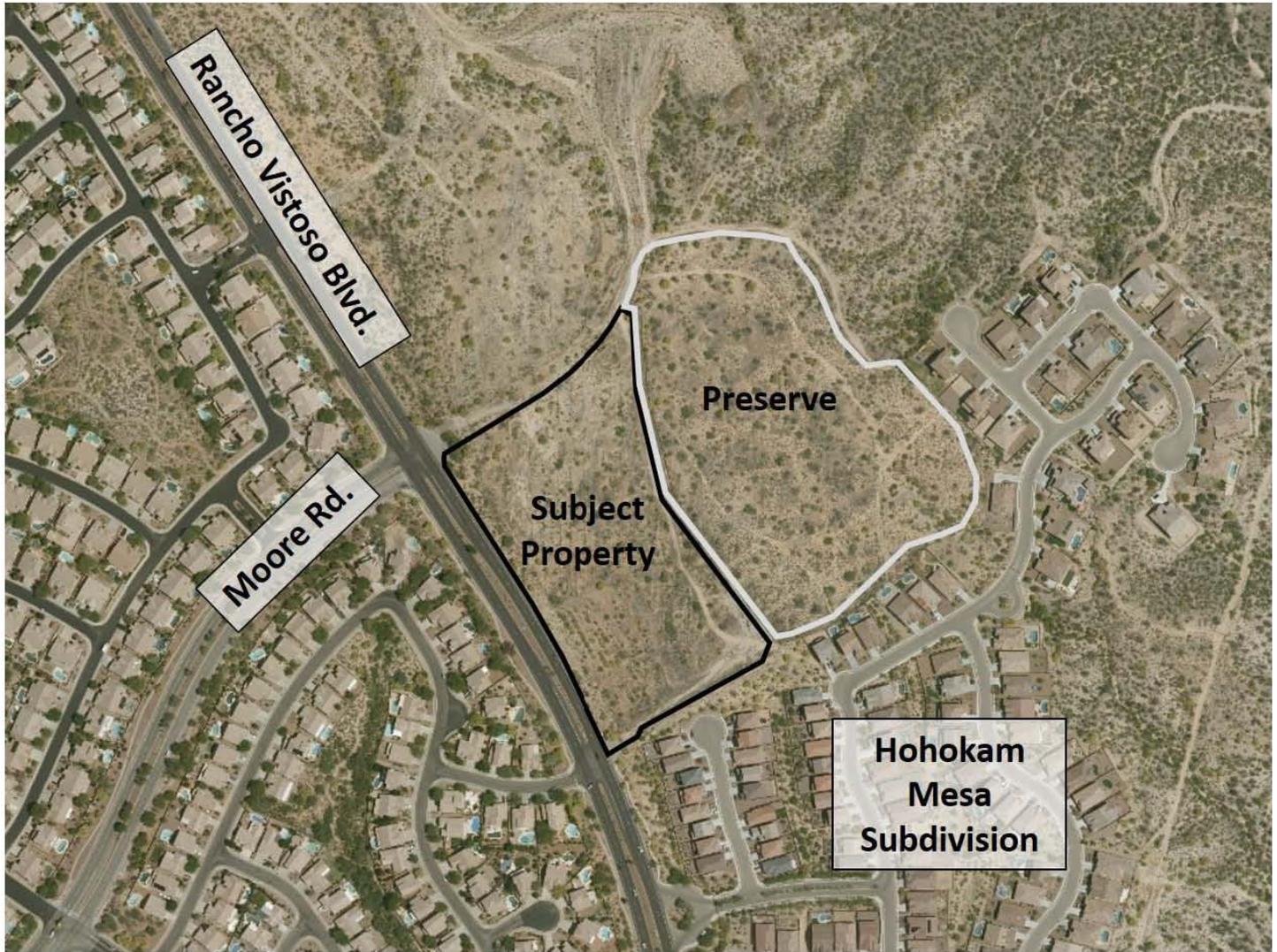
ATTACHMENT 3 - HOHOKAM MESA FINAL PLAT

ATTACHMENT 4 - RANCHO VISTOSO PARCEL 6B BLOCK PLAT

**Attachment 1
Conditions of Approval
Amendment to Hohokam Mesa Final Plat
Town Council
April 6, 2016**

Planning

1. Provide an approval signature line on the cover sheet for the declarant of the home owners association.
2. Revise General Note 12 to read "An approved treatment plan is required for all cultural resources prior to approval of the Conceptual Site Plan, in accordance with Section 27.10.D.3.e.v.g.C.2"
3. Revise General Note 14 to read "The archaeological display area will contain a ramada, parking, landscaping, informational signage and pedestrian connections to Moore Road and the future commercial to the south. Details to be determined as part of the Conceptual Site Plan, which is to be presented to the Historic Preservation Commission for recommendation prior to consideration of the Conceptual Site Plan by Town Council."



LOCATION MAP
RANCHO VISTOSO PARCEL 6B BLOCK PLAT
(OV1501923)

**HOHOKAM MESA
VISTOSO TOWN CENTER RANCHO
VISTOSO NEIGHBORHOOD 6**

MP 61084

RECORDED: OCTOBER 25, 2006

*****THE FOLLOWING PLAT IS AN ANNOTATED
VERSION OF THE ORIGINAL DOCUMENT. IT HAS
BEEN ALTERED BY PIMA COUNTY
DEVELOPMENT SERVICES TO SHOW
ADDITIONAL INFORMATION. ORIGINAL COPIES
MAY BE OBTAINED FROM THE PIMA COUNTY
RECORDER*****

APPROVALS

I, Rosanna Slattery, Deputy CLERK OF THE TOWN OF ORO VALLEY, HEREBY CERTIFY THAT THIS PLAT WAS APPROVED BY THE MAYOR AND COUNCIL OF THE TOWN OF ORO VALLEY ON THE 2nd DAY OF August, 2006.

Rosanna Slattery 10/24/06
CLERK, TOWN OF ORO VALLEY DATE

M. J. Bunt 04 OCT 2006
PIMA COUNTY DEPARTMENT OF WASTEWATER MANAGEMENT DATE

Paul K. For 20 OCT 2006
TOWN OF ORO VALLEY TOWN ENGINEER DATE

Suzanne Moore 10/23/06
ZONING ADMINISTRATOR DATE

Philip Chalutz 10/23/06
WATER UTILITY DIRECTOR DATE

ASSURANCES

ASSURANCES IN THE FORM OF A THIRD-PARTY TRUST FROM FIDELITY NATIONAL TITLE AGENCY AS RECORDED IN DOCKET 12917 PAGE 175 HAS BEEN PROVIDED TO GUARANTEE DRAINAGE AND STREET IMPROVEMENTS (INCLUDING MONUMENTS) AND UTILITY IMPROVEMENTS (ELECTRIC, TELEPHONE, GAS, SEWER, WATER) IN THE SUBDIVISION.

BY: Jack Buchanan 10/24/06
MAYOR - TOWN OF ORO VALLEY DATE

WATER ADEQUACY

A CERTIFICATION OF ASSURED WATER SUPPLY HAS BEEN RECEIVED FROM THE DIRECTOR OF WATER RESOURCES.

BY: Philip Chalutz 10/23/06
WATER UTILITY DIRECTOR DATE

ANNOTATED COPY

CERTIFICATION

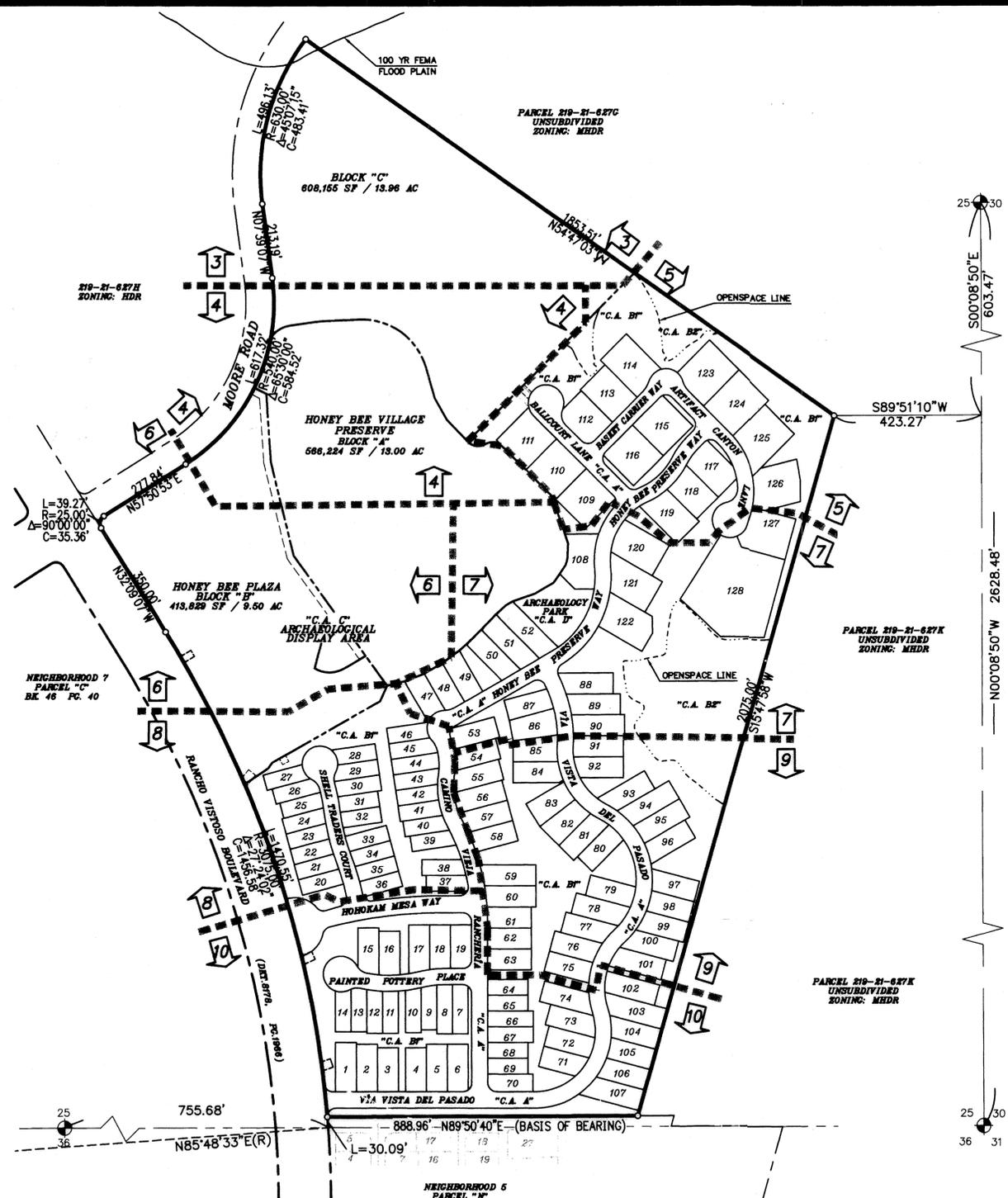
I HEREBY CERTIFY THAT THE BOUNDARY SURVEY SHOWN ON THIS PLAT WAS PERFORMED UNDER MY DIRECTION AND THAT ALL EXISTING AND/OR PROPOSED SURVEY MONUMENTS AND MARKERS SHOWN ARE CORRECTLY DESCRIBED. I FURTHER CERTIFY THAT THIS PLAT WAS PREPARED UNDER MY DIRECTION.

JACK A. BUCHANAN, R.L.S. NO. 12214



I FURTHER CERTIFY THAT THIS PLAT WAS PREPARED UNDER MY DIRECTION AND THAT THE 100-YEAR FLOOD PRONE LIMITS OR EROSION HAZARD SETBACKS NOTED WERE REVIEWED AND SHOWN UNDER MY DIRECTION.

JOHN A. HOLLEY, P.E., NO. 21137



LEGEND

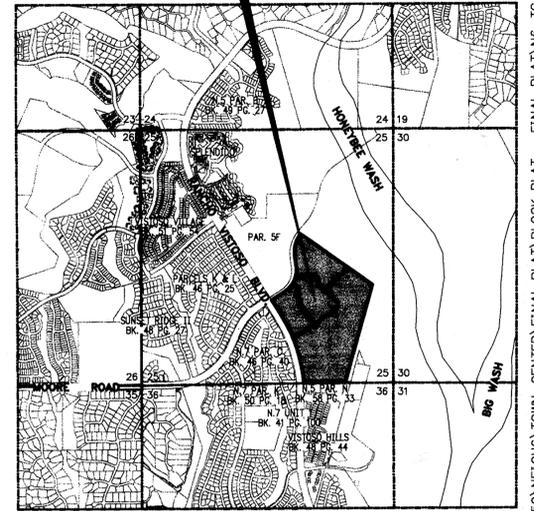
- SUBDIVISION BOUNDARY
- ADJACENT LOT LINE
- LOT LINE
- EASEMENT LINE
- MATCH LINE
- PARCEL AND PROPOSED R.O.W. LINE
- SECTION LINE
- R.O.W. LINE EXIST.
- INDICATES BRASS DISK SURVEY MONUMENT STAMPE TO BE SET UPON COMPLETION OF ROAD CONSTRUCTION
- FOUND MONUMENT STAMPED
- 1/2" IRON PARCEL PIN TO BE SET; TAGGED RLS 12214
- 100-YR FEMA FLOOD PLAIN LINE
- - - OPEN SPACE LINE
- (RESIDENTIAL)
- C.A.
- SVT-2 SVT-4
- SVT3
- N.A.E.
- P.U.E.
- R-7
- SECTION CORNER / QUARTER SECTION CORNER
- INDICATES LOT ACCESS AND DRIVEWAYS
- ★
- 3
- EXISTING/PROPOSED LAND USE (SEE THIS SHEET)
- COMMON AREA
- SIGHT VISIBILITY TRIANGLE WITH LINE AND CURVE TABLE NUMBER
- NO ACCESS EASEMENT
- PUBLIC UTILITY EASEMENT
- ZONING DESIGNATION
- SECTION CORNER / QUARTER SECTION CORNER
- INDICATES LOT ACCESS AND DRIVEWAYS
- SHEET INDEX SHEET INDICATOR

SHEET INDEX

- SHEET 1 ... COVER SHEET
- SHEET 2 ... GENERAL NOTES
- SHEETS 3-10 ... PLAN SHEETS
- SHEET 11 ... LINE & CURVE TABLES

TOWN OF ORO VALLEY
PROJ#: OV1205-028
ZONE:
Adm. Address:
12880 N RANCHO VISTOSO BL.

THIS PROJECT



LOCATION MAP
SECTION 25, T-11-S, R-13-E, G.M.S.R.M.
TOWN OF ORO VALLEY, PIMA COUNTY, ARIZONA

DEDICATION

WE, THE UNDERSIGNED, HEREBY WARRANT THAT WE ARE ALL AND THE ONLY PARTIES HAVING ANY RECORD TITLE INTEREST IN THE LAND SHOWN ON THIS PLAT AND WE CONSENT TO THE SUBDIVISION OF SAID LAND IN THE MANNER SHOWN HEREON.

WE, THE UNDERSIGNED, OUR SUCCESSORS AND ASSIGNS, DO HEREBY SAVE THE TOWN OF ORO VALLEY, ITS SUCCESSORS AND ASSIGNS, THEIR EMPLOYEES, OFFICERS, AND AGENTS HARMLESS FROM ANY AND ALL CLAIMS FOR DAMAGES RELATED TO THE USE OF SAID LANDS NOW AND IN THE FUTURE BY REASON OF FLOODING, FLOWAGE, EROSION, OR DAMAGE CAUSED BY WATER, WHETHER SURFACE, FLOOD, OR RAINFALL. IT IS FURTHER UNDERSTOOD AND AGREED THAT NATURAL DRAINAGE SHALL NOT BE ALTERED, DISTURBED, OR OBSTRUCTED OTHER THAN AS SHOWN HEREON WITHOUT THE WRITTEN APPROVAL OF THE TOWN OF ORO VALLEY TOWN COUNCIL.

WE HEREBY CONVEY TO THE TOWN OF ORO VALLEY AND ALL PUBLIC UTILITY COMPANIES' EASEMENTS AS SHOWN HEREON FOR THE PURPOSE OF ACCESS, INSTALLATION, AND MAINTENANCE OF PUBLIC SEWERS AND UTILITIES AND OTHER USES AS DESIGNATED BY THIS PLAT.

COMMON AREAS A, B1, & B2, AS SHOWN HEREON, ARE RESERVED FOR THE PRIVATE USE AND CONVENIENCE OF ALL OWNERS OF PROPERTY WITHIN THIS SUBDIVISION, THEIR GUESTS AND INVITEES. COMMON AREA 'B1' IS GRANTED AS AN EASEMENT TO ALL PUBLIC AND PRIVATE UTILITY COMPANIES FOR THE PURPOSES OF ACCESS, INSTALLATION AND MAINTENANCE OF UNDERGROUND UTILITIES. NO NEW OVERHEAD LINES SHALL BE USED.

TITLE TO THE LAND OF ALL COMMON AREAS SHALL BE VESTED IN AN ASSOCIATION OF INDIVIDUAL LOT OWNERS AS ESTABLISHED BY COVENANTS, CONDITIONS AND RESTRICTIONS RECORDED IN DOCKET 12917 AT PAGES 116 IN THE OFFICE OF THE PIMA COUNTY RECORDER. EACH AND EVERY LOT OWNER WITHIN THE SUBDIVISION SHALL BE A MEMBER OF THE ASSOCIATION, WHICH WILL ACCEPT ALL RESPONSIBILITY FOR THE CONTROL, MAINTENANCE, SAFETY AND LIABILITY OF ALL COMMON AREAS WITHIN THIS SUBDIVISION AS SHOWN HEREON.

WE HEREBY CONVEY TO THE TOWN OF ORO VALLEY, PIMA COUNTY, AND ALL UTILITY COMPANIES, EASEMENTS AS SHOWN HEREON FOR THE PURPOSE OF ACCESS, INSTALLATION, AND MAINTENANCE OF UTILITIES, PUBLIC SEWERS, AND OTHER USES AS DESIGNATED ON THIS PLAT.

FIDELITY NATIONAL TITLE AGENCY, INC., AN ARIZONA CORPORATION AS TRUSTEE UNDER TRUST NUMBER 60,260, AS TRUSTEE ONLY AND NOT OTHERWISE.

Marta L. Hill 9-27-06
DATE

BENEFICIARY OF TRUST 60,260:
CANADA VISTAS TOWN CENTER, L.L.C.
12753 NORTH WALKING DEER PLACE
ORO VALLEY, AZ 85737

STATE OF ARIZONA) FEE _____
COUNTY OF PIMA) No. _____



ON THIS, THE 27th DAY OF September, 2006, BEFORE ME, THE UNDERSIGNED PERSONALLY APPEARED, Marta L. Hill WHO ACKNOWLEDGED HER SELF TO BE AND BEING AUTHORIZED SO TO DO, EXECUTED THE FOREGOING INSTRUMENT FOR THE PURPOSE THEREIN CONTAINED BY HER SELF AS TRUST OFFICER.

June 1, 2009
MY COMMISSION EXPIRES: June 1, 2009
Laura E. Martine
NOTARY PUBLIC

FINAL PLAT OV12-05-28B
HOKOK MESA
VISTOSO TOWN CENTER
RANCHO VISTOSO - NEIGHBORHOOD 6
LOTS 1 THRU 128, BLOCKS "A" THRU "C"
AND COMMON AREAS "A" THRU "10"
A PORTION OF SECTION 25, T11S, R13E, GASRM,
TOWN OF ORO VALLEY, PIMA COUNTY, ARIZONA
SEPTEMBER 2006
DRAWN BY: JMFJ 185050-CV02-0106
SHEET 1 OF 11

The WLB Group
Engineering Planning Surveying
Landscape Architecture Urban Design
Offices located in Tucson, Phoenix,
and Las Vegas, NV.
4444 East Broadway
Tucson, Arizona (520) 881-7480

N:\185050\NEIGH6\TOWN-CENTER\FINAL PLAT\BLOCK PLAT - FINAL PLAT\NG-TC-FP01.dwg

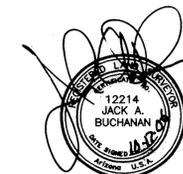
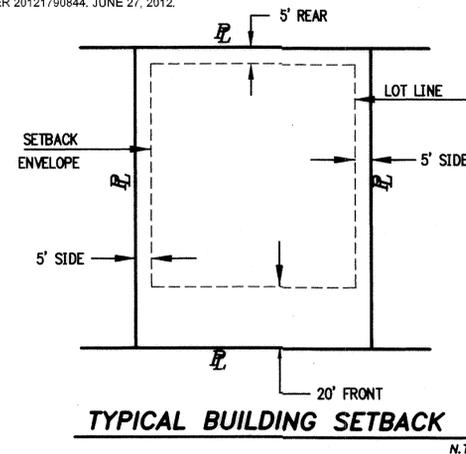
GENERAL NOTES

- THE GROSS AREA OF THIS SUBDIVISION IS 87.33 ACRES. THE DENSITY IS 2.85 RAC.
 HONEYBEE VILLAGE PRESERVE "BLOCK A" = 13.00 ACRES
 COMMERCIAL "BLOCK B" = 9.50 ACRES
 CONDOMINIUMS "BLOCK C" = 13.96 ACRES
 HOHOKAM MESA - SINGLE FAMILY RESIDENTIAL = 50.88 ACRES
 COMMON AREA USES:

NAME	SIZE	DESCRIPTION
C.A. "A"	351,062 SQ FT / 8.05 AC	RESIDENTIAL PRIVATE STREETS
C.A. "B1"	554,681 SQ FT / 12.73 AC	NON-PROTECTED AREA / OPEN SPACE / TRAILS
C.A. "B2"	160,151 SQ FT / 3.68 AC	NATURAL OPEN SPACE / TRAILS
C.A. "C"	11,442 SQ FT / 0.26 AC	ARCHAEOLOGICAL DISPLAY AREA
C.A. "D"	24,202 SQ FT / 0.55 AC	ARCHAEOLOGICAL PARK

- WITHIN ALL AREAS DESIGNATED AS "NATURAL OPEN SPACE": NO CONSTRUCTION CLEARING OF VEGETATION, ADDITION OF VEGETATION, GROUND DISTURBANCE, OR ALTERATION OF ANY FORM IS ALLOWED WITHIN THE CONSERVATION EASEMENT, EXCEPT REMOVAL OF NON-NATIVE VEGETATION AND MAINTENANCE OF NATIVE VEGETATION IS ALLOWED AND IS THE RESPONSIBILITY OF THE HOMEOWNERS' ASSOCIATION.
- WITHIN ALL AREAS DESIGNATED AS "NON-PROTECTED AREAS": REFER TO THE OV12-05-28 LANDSCAPE PLAN.
- TOTAL NUMBER OF RESIDENTIAL LOTS IS 128.
- EXISTING ZONING: RANCHO VISTOSO P.A.D. - TOWN CENTER
- BASIS OF BEARING IS THE NORTH LINE OF NE 1/4 OF SECTION 36, TOWNSHIP 11 SOUTH, RANGE 13 EAST. BEARING IS N89°50'40"E
- BASIS OF ELEVATION IS THE CENTERLINE INTERSECTION OF RANCHO VISTOSO BLVD. AND MOORE ROAD, BEING A BRASS DISK MONUMENT. ELEVATION BEING 2884.11 (NGVD29).
- DEVELOPER WILL COVENANT TO HOLD TOWN OF ORO VALLEY, ITS SUCCESSORS AND ASSIGNS, HARMLESS IN THE EVENT OF FLOODING.
- DRAINAGE WILL NOT BE ALTERED, DISTURBED OR OBSTRUCTED WITHOUT THE APPROVAL OF THE ORO VALLEY TOWN COUNCIL.
- DRAINAGEWAYS AND/OR DRAINAGE SYSTEMS TO BE CONSTRUCTED ACCORDING TO APPROVED PLANS PRIOR TO THE ISSUANCE OF ANY BUILDING PERMITS FROM THE TOWN ENGINEER AND/OR BUILDING OFFICIAL FOR LOTS AFFECTED.
- A HOMEOWNERS ASSOCIATION WILL BE FORMED TO ACCEPT RESPONSIBILITY FOR MAINTENANCE, CONTROL, SAFETY AND LIABILITY OF COMMON AREA "A" (PRIVATE STREETS), COMMON AREA B1 (NON-PROTECTED AREA), AND COMMON AREA B2 (NATURAL OPEN SPACE)
- MAXIMUM BUILDING HEIGHT IS 34 FEET.
- LOTS 52, 108, & 122 ARE RESTRICTED TO ONE STORY WITH A MAXIMUM BUILDING HEIGHT OF 20'.
- SEE BELOW PER BOOK 13448 PG 238
- ALL WEATHER ACCESS WILL BE PROVIDED TO ALL LOTS WITHIN THIS SUBDIVISION.
- ALL STREETS ARE PRIVATE.
- THIS DEVELOPMENT WILL BE SERVED BY ORO VALLEY WATER (R.V.) UTILITY WHICH HAS BEEN DESIGNATED AS HAVING AN ASSURED 100-YEAR WATER SUPPLY BY THE DIRECTOR OF WATER RESOURCES.
- THE OWNER COVENANTS THAT THE AREAS WITHIN THE 100-YEAR FLOODPRONE LINES REPRESENT AN AREA WHICH IS SUBJECT TO FLOODING FROM A 100-YEAR FREQUENCY FLOOD AND ALL LAND IN THIS FLOODPRONE AREA SHALL BE RESTRICTED TO USES THAT ARE COMPATIBLE WITH FLOOD PLAIN MANAGEMENT AS APPROVED BY THE TOWN ENGINEER.
- UTILITIES WILL BE LOCATED UNDERGROUND IN CONFORMANCE WITH ARIZONA CORPORATION COMMISSION AMENDED GENERAL ORDER U-48.
- THE SOILS ENGINEER OF RECORD OR OTHER REGISTERED PROFESSIONAL CIVIL ENGINEER WITH EXPERTISE IN THE AREA OF SOILS ENGINEERING SHALL CERTIFY, IN WRITING, THAT ALL SOILS OPERATIONS FOR THIS DEVELOPMENT WERE PERFORMED IN ACCORDANCE WITH THE RECOMMENDATIONS AS SET FORTH IN THE SOILS REPORT BY TERRACON, JOB NUMBER 63055251, DATED 12/14/2005 AND ANY ACCEPTED ADDENDUMS/AMENDMENTS MADE THERETO. CERTIFICATION, IN WRITING, IS TO BE RECEIVED BY THE TOWN ENGINEER OF THE TOWN OF ORO VALLEY PRIOR TO THE REQUEST FOR ANY BUILDING PERMITS AND/OR FINAL INSPECTION AND THE RELEASE OF ASSURANCES.
- THE SOILS ENGINEER OF RECORD OR OTHER REGISTERED PROFESSIONAL CIVIL ENGINEER WITH EXPERTISE IN THE AREA OF SOILS ENGINEERING SHALL CERTIFY, IN WRITING, THAT ALL MATERIALS UTILIZED ON THIS DEVELOPMENT ARE IN CONFORMANCE WITH THE ACCEPTED PLANS AND SPECIFICATIONS. CERTIFICATIONS, IN WRITING, ARE TO BE RECEIVED BY THE TOWN ENGINEER OF THE TOWN OF ORO VALLEY PRIOR TO THE REQUEST FOR FINAL INSPECTION AND THE RELEASE OF ASSURANCES.
- THE PROFESSIONAL ENGINEER OF RECORD SHALL CERTIFY, IN WRITING, THAT ALL IMPROVEMENTS, WHETHER PRIVATE OR PUBLIC, HAVE BEEN CONSTRUCTED, PLACED, INSTALLED, ETC. IN SUBSTANTIAL CONFORMANCE WITH THE ACCEPTED PLANS FOR THIS DEVELOPMENT. CERTIFICATIONS, IN WRITING, ARE TO BE RECEIVED BY THE TOWN ENGINEER OF THE TOWN OF ORO VALLEY PRIOR TO THE REQUEST FOR FINAL INSPECTION AND THE RELEASE OF ASSURANCES.
- RESIDENTIAL PARKING PROVISIONS: 4 SPACES PER UNIT = 512 SPACES
- MILES OF PRIVATE STREETS = 1.39 MILES.
- ANY UTILITIES THAT WILL BE RELOCATED OR EXTENDED AS A RESULT OF THIS DEVELOPMENT WILL BE RELOCATED OR EXTENDED AT NO EXPENSE TO THE TOWN OF ORO VALLEY OR PIMA COUNTY.
- "NOT USED"
- ALL PROSPECTIVE BUYERS OF LOTS WITHIN THIS SUBDIVISION SHALL BE INFORMED OF THE PRESENCE AND ACTIVITY OF THE CHOLLA AIRPARK, A PRIVATE AIRPORT LOCATED WEST OF THE PROJECT. ALL PROSPECTIVE BUYERS SHALL BE INFORMED THAT LOW FLYING AIRCRAFT MAY BE A NUISANCE.
- THE PROFESSIONAL ENGINEER OF RECORD SHALL SUBMIT AS-BUILT RECORD DRAWINGS AND CERTIFY IN WRITING THAT ALL IMPROVEMENTS, WHETHER PRIVATE OR PUBLIC, HAVE BEEN CONSTRUCTED, PLACED, INSTALLED, ETC. IN SUBSTANTIAL CONFORMANCE WITH THE ACCEPTED PLANS FOR THIS DEVELOPMENT. CERTIFICATIONS IN WRITING AND THE AS-BUILT RECORD DRAWINGS ARE TO BE RECEIVED BY THE TOWN OF ORO VALLEY A MINIMUM OF TWO (2) WEEKS PRIOR TO THE REQUEST FOR CERTIFICATES OF OCCUPANCY AND/OR FINAL INSPECTION BY THE DEPARTMENT OF PUBLIC WORKS AND THE RELEASE OF ASSURANCES, EXCEPT FOR MODEL HOMES INTENDED TO BE USED FOR SALES PURPOSES. IF THE PROJECT IS PHASED THE ABOVE PERTAINS TO EACH PHASE.
- THE LANDSCAPING WITHIN ALL PUBLIC SEWER EASEMENTS SHOWN HEREON SHALL BE IN ACCORDANCE WITH THE PLANTING GUIDELINES OF PC/COT DETAIL WMM A-4.
- NO PERMITS FOR PERMANENT STRUCTURES (I.E. MASONRY WALLS, FENCES, ETC.) ON OR THROUGH THE PUBLIC SEWER EASEMENT WILL BE ISSUED WITHOUT SEPARATE WRITTEN CONSENT OF PIMA COUNTY WASTEWATER MANAGEMENT DEPT.
- ALL TRAIL ALIGNMENTS TO BE FIELD LOCATED AND RECORDED BY SEPARATE INSTRUMENT.
- PAD OPEN SPACE ENCROACHMENT = 46,800 SF
25% SLOPE ENCROACHMENT = 186,300 SF
- ALL ARCHAEOLOGICAL MITIGATION SHALL BE APPROVED AND IMPLEMENTED TO THE SATISFACTION OF THE PLANNING AND ZONING ADMINISTRATOR PRIOR TO ISSUANCE OF ANY GRADING PERMITS BY THE TOWN.
- RESIDENTIAL BUILDING SETBACK PROVISIONS: FRONT-20 FEET, SIDE-5 FEET, BACK- 5 FEET. RESIDENTIAL BUILDING SETBACK PROVISIONS FOR LOTS 7 THRU 14, 20 THRU 46, AND 64 THRU 70 (ONLY) ARE ALTERED AS FOLLOWS: FRONT 20 FEET MINIMUM OR WITH SIDE ENTRY GAGAGE THE MINIMUM CAN BE REDUCED TO NO LESS THAN 10 FEET. SIDE = 0 FEET. BACK (OR REAR) 5- FEET.

- NO FURTHER SUBDIVISION OF ANY LOT OR PARCEL SHOWN WILL BE DONE WITHOUT WRITTEN APPROVAL OF THE ORO VALLEY TOWN COUNCIL.
- THE PROPERTY OWNER, HIS SUCCESSORS, ASSIGNS, OR A DEDICATED HOMEOWNER'S ASSOCIATION AGREES TO 1) KEEP ALL REQUIRED LANDSCAPED AREAS MAINTAINED IN A WEED-FREE, TRASH-FREE CONDITION, 2) REPLACE ANY DEAD PLANT MATERIALS WITHIN 90 DAYS, AND 3) MAINTAIN THE IRRIGATION SYSTEM IN PROPER WORKING ORDER.
- ARCHAEOLOGICAL PRESERVATION. A PORTION OF VISTOSO TOWN CENTER PROPERTY CONTAINS THE SIGNIFICANT HOHOKAM ARCHAEOLOGICAL SITE KNOWN AS THE HONEY BEE VILLAGE PRESERVE, THE PRESERVATION AND STUDY OF WHICH IS OF UPMOST IMPORTANCE. THE OWNER DESIRES TO DONATE AND TRANSFER TO A PUBLIC ENTITY THE CORE AREA OF THIS SITE TO FORM THE "HONEY BEE VILLAGE PRESERVE". THE AREAS WITHIN THE HONEY BEE VILLAGE PRESERVE AND THE OPEN SPACE AS SHOWN ON THIS FINAL PLAT CANNOT BE USED, MODIFIED, OR DISTURBED IN ANY MANNER BY ANY PERSON, EXCEPT FOR ANY COMMON TRAILS OR WALKING PATHS SHOWN ON THIS FINAL PLAT AND/OR THE VISTOSO TOWN CENTER LANDSCAPE PLAN OR THOSE USES APPROVED BY THE TOWN OF ORO VALLEY. THE DISTURBANCE AND/OR REMOVAL OF ANY ARCHAEOLOGICAL ARTIFACT OR ITEM IS STRICTLY PROHIBITED INCLUDING ANY ITEMS WHICH ARE VISIBLE ON GROUND SURFACE. ADDITIONALLY, NO EXPLORATION OF ANY KIND FOR THE LOCATION OF ANY ARCHAEOLOGICAL ARTIFACT IS PERMITTED. ANY PERSON THAT LOCATES SUCH AN ITEM MUST LEAVE THAT ITEM UNDISTURBED AND IMMEDIATELY REPORT THE FINDING TO THE ASSOCIATION AND/OR PROPER GOVERNMENTAL REGULATORY AGENCY. DIRECT ACCESS INTO THE PRESERVE WILL ONLY BE ALLOWED FROM THOSE LOCATIONS DESIGNATED ON THE LANDSCAPE PLAN AND/OR AS DESIGNATED BY THE ASSOCIATION. ACCESS FROM ANY INDIVIDUAL LOT IS PROHIBITED.
- NO FINAL INSPECTION FOR ANY LOT WITHIN THE SUBDIVISION SHALL BE APPROVED UNTIL A BUILDING CODE OFFICIAL HAS VERIFIED CONSTRUCTION ON THE LOT IS COMPLETE AND SIDEWALKS HAVE BEEN INSTALLED, PROPERTY LINE TO PROPERTY LINE.
- A PROJECT CONSTRUCTION PERMIT MUST BE SECURED FROM PIMA COUNTY WASTEWATER MANAGEMENT BEFORE BEGINNING ANY SANITARY SEWER WORK ON THIS PROJECT.
- CONSTRUCTION AUTHORIZATION FROM PIMA COUNTY DEPARTMENT OF ENVIRONMENTAL QUALITY IS REQUIRED BEFORE BEGINNING ANY SANITARY SEWER WORK ON THIS PROJECT. APPROVAL OF THIS FINAL PLAT DOES NOT CONSTITUTE CONSTRUCTION AUTHORITY.
- A TEN-FOOT STRIP PUBLIC UTILITY EASEMENT SHALL BE PROVIDED AS REQUIRED BY THE UTILITY COMPANIES.
- THE MINIMUM REQUIRED FIRE FLOW FOR THIS PROJECT IS 1500 GPM.
- THE MINIMUM FIRE FLOW AND FIRE DURATION REQUIREMENTS FOR ONE-FAMILY AND TWO-FAMILY DWELLINGS HAVING A FIRE AREA WHICH DOES NOT EXCEED 3,600 SF (334.5 M²) SHALL BE 1500 GPM (3785.4 L/MIN). DWELLINGS HAVING A FIRE AREA IN EXCESS OF 3,600 SF (334.5 M²) SHALL BE PROVIDED WITH AN APPROVED AUTOMATIC SPRINKLER SYSTEM IN ACCORDANCE WITH CHAPTER 9 OF THE INTERNATIONAL FIRE CODE.
- WATER SUPPLY FOR FIRE PROTECTION (FIRE FLOW) IS REQUIRED TO BE INSTALLED AND MADE SERVICEABLE PRIOR TO COMBUSTIBLE MATERIALS ARRIVING ONSITE.
- MAINTENANCE AND OPERATION OF THE PRIVATE SANITARY SEWER FOR COMMERCIAL BLOCK "B" TO ITS POINT OF CONNECTION TO THE PUBLIC SANITARY SEWER IS THE RESPONSIBILITY OF THE PROPERTY OWNER.
- THE TOWN OF ORO VALLEY AND THE COMMERCIAL PROPERTY OWNER(S) SHALL IDENTIFY AND PROVIDE OFF-SITE PARKING OPPORTUNITIES TO ACCOMMODATE EVENTS OR ACTIVITIES THAT WILL ATTRACT A NUMBER OF VISITORS BEYOND THAT WHICH WAS ENVISIONED AS PART OF THE APPROVED "ALTERNATIVE PARKING ANALYSIS".
- THE INTERSECTION OF MOORE ROAD & COURTYARD VILLAGE WAY AND RANCHO VISTOSO BOULEVARD & VISTA DEL PASADO LANE ARE EXIT ONLY.
- COORDINATION FOR SPECIAL EVENTS GO THROUGH THE RANCHO VISTOSO HOMEOWNERS' ASSOCIATION.
- MOORE ROAD DEDICATION TO THE TOWN OF ORO VALLEY AND CONSTRUCTION SHALL BE COMPLETED PRIOR TO THE ISSUANCE OF ANY CERTIFICATE OF OCCUPANCY FOR THE ENTIRE COMMERCIAL, ENTIRE CONDOMINIUM, AND RESIDENTIAL PORTION OF THE DEVELOPMENT THAT IS NORTH OF THE VISTA DEL PASADO LANE AND HONEY BEE PRESERVE WAY INTERSECTION DUE TO EMERGENCY VEHICLE ACCESS CONSIDERATIONS.
- FULL TRAFFIC SIGNALIZATION SHALL BE CONSTRUCTED AND OPERATIONAL AT THE INTERSECTION OF RANCHO VISTOSO BOULEVARD AND MOORE ROAD PRIOR TO THE RELEASE OF ANY CERTIFICATES OF OCCUPANCY FOR THE ENTIRE COMMERCIAL, ENTIRE CONDOMINIUM, AND RESIDENTIAL PORTION OF THE DEVELOPMENT THAT IS NORTH OF THE VISTA DEL PASADO LANE AND HONEY BEE PRESERVE WAY INTERSECTION DUE TO EMERGENCY VEHICLE ACCESS CONSIDERATIONS.
- MOORE ROAD DEDICATION TO THE TOWN OF ORO VALLEY AND CONSTRUCTION SHALL BE COMPLETED PRIOR TO THE ISSUANCE OF ANY CERTIFICATE(S) OF OCCUPANCY FOR THE ENTIRE COMMERCIAL AND CONDOMINIUM AREAS OF THIS PLAT. PER SEQUENCE NUMBER 20121790844, JUNE 27, 2012.
- FULL TRAFFIC SIGNALIZATION SHALL BE CONSTRUCTED AND OPERATIONAL AT THE INTERSECTION OF RANCHO VISTOSO BOULEVARD AND MOORE ROAD PRIOR TO THE RELEASE OF ANY CERTIFICATES OF OCCUPANCY FOR THE ENTIRE COMMERCIAL AND CONDOMINIUM AREAS OF THE DEVELOPMENT. THE RESIDENTIAL PORTION OF THE DEVELOPMENT THAT IS NORTH OF THE VISTA DEL PASADO LANE AND HONEY BEE PRESERVE WAY INTERSECTION SHALL DEPOSIT IN ESCROW A FEE IN AN AMOUNT ACCEPTABLE TO THE TOWN OF ORO VALLEY TO BE APPLIED TO THE CONSTRUCTION OF SIGNALIZATION OF SAID INTERSECTION DUE TO EMERGENCY VEHICLE ACCESS CONSIDERATIONS PRIOR TO THE RELEASE OF ANY BUILDING PERMITS FOR THE AFFECTED LOTS. PER SEQUENCE NUMBER 20121790844, JUNE 27, 2012.



FINAL PLAT **OV12-05-28B**
HOHOKAM MESA
VISTOSO TOWN CENTER
RANCHO VISTOSO - NEIGHBORHOOD 6
 LOTS 1 THRU 128, BLOCKS "A" THRU "C"
 AND COMMON AREAS "A" THRU "D"
 A PORTION OF SECTION 25, T11S, R13E, G4SRM,
 TOWN OF ORO VALLEY, PIMA COUNTY, ARIZONA

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 Landscape Architecture Urban Design
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N:\185050\NEIGHB\TOWN-CENTER\FINAL PLAT\BLOCK PLAT - FINAL PLAT\N12-05-28B.dwg

219-21-627H
ZONING: HDR

PARCEL 219-21-627G
UNSUBDIVIDED
ZONING: MHDR

BLOCK "C"
608,155 SF / 13.96 AC

E. MOORE ROAD

(DKT. 12884, PG. 2006)

INGRESS/EGRESS ESMT

END 100-YR FLOODPLAIN LINE - FL5
END 100-YR FLOODPLAIN LINE TABLE
SEE SHEET 11

BEGIN 100-YR FLOODPLAIN LINE - FL1
BEGIN 100-YR FLOODPLAIN LINE TABLE
SEE SHEET 11

300-E.

12200-N.

S54°47'03"E 1853.51'
S84°47'03"E 1192.43'

L=527.63' R=670.00' Δ=45°07'15" C=514.10'
L=496.13' R=630.00' Δ=45°07'15" C=483.41'

W. 213.19' N. 107°39'07" W. 213.19'
W. 107°39'07" N. 213.19'

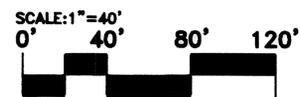
SEE SHEET 4

SEE SHEET 5

0712-05-28B

The WLB Group

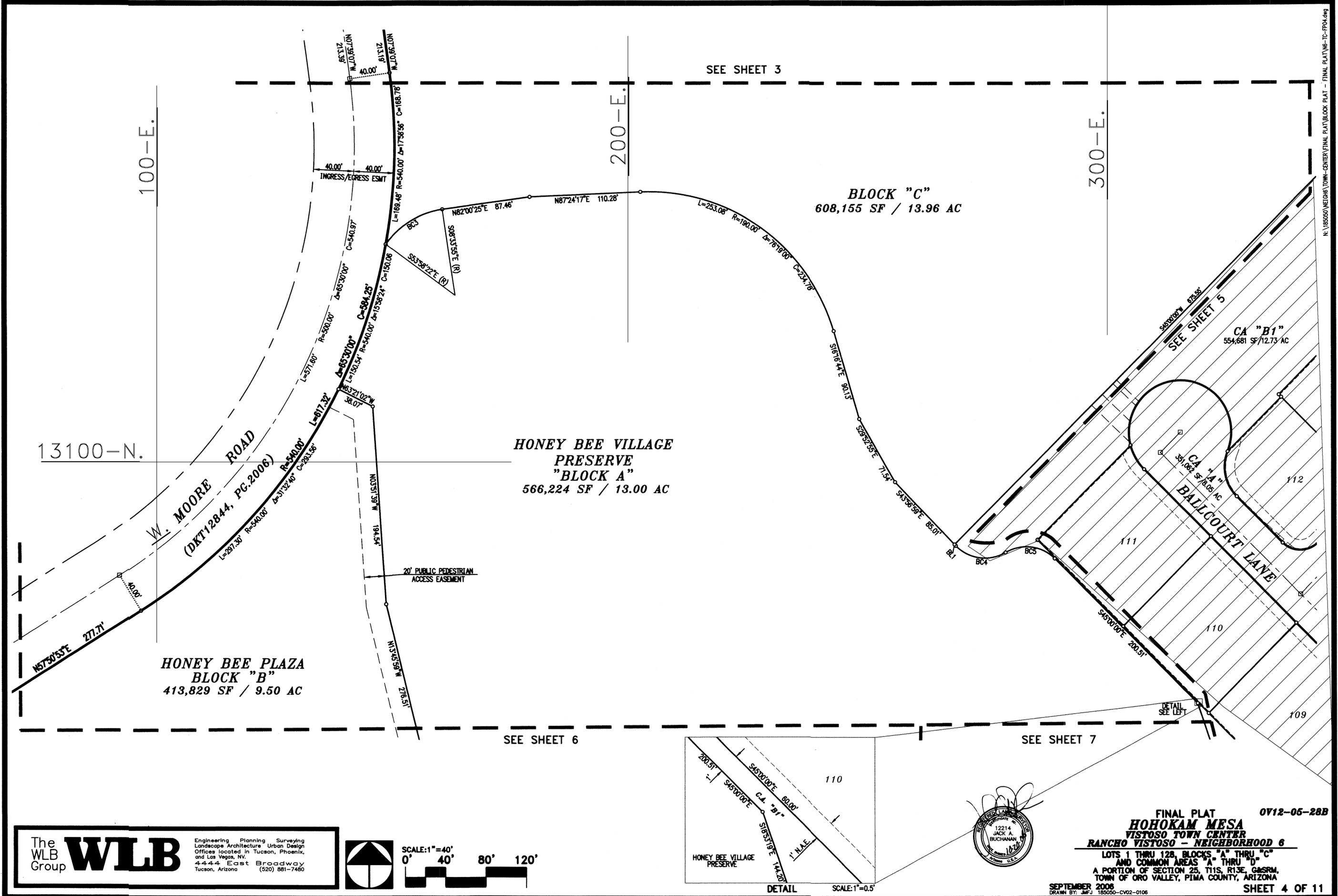
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FINAL PLAT
HOHOKAM MESA
VISTOSO TOWN CENTER
RANCHO VISTOSO - NEIGHBORHOOD 6
LOTS 1 THRU 128, BLOCKS "A" THRU "C"
AND COMMON AREAS "A" THRU "D"
A PORTION OF SECTION 25, T11S, R13E, G4SRM,
TOWN OF ORO VALLEY, PIMA COUNTY, ARIZONA

SEPTEMBER 2006
DRAWN BY: JMF 185050-CV02-0106

SHEET 3 OF 11



13100-N.

100-E.

200-E.

300-E.

BLOCK "C"
608,155 SF / 13.96 AC

HONEY BEE VILLAGE
PRESERVE
"BLOCK A"
566,224 SF / 13.00 AC

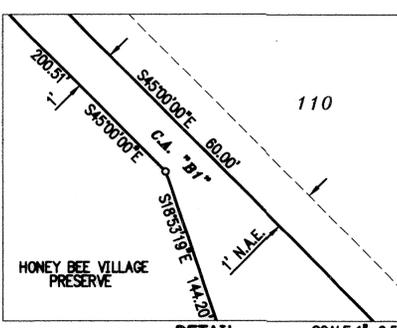
HONEY BEE PLAZA
BLOCK "B"
413,829 SF / 9.50 AC

CA "B1"
554,681 SF / 12.73 AC

CA "A"
351,063 SF / 8.05 AC

BALLCOURT LANE

20' PUBLIC PEDESTRIAN
ACCESS EASEMENT



DETAIL SCALE: 1"=0.5'



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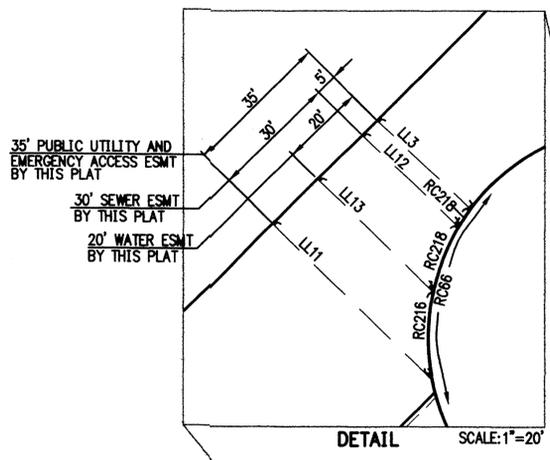
FINAL PLAT 0V12-05-28B
HOHOKAM MESA
VISTOSO TOWN CENTER
RANCHO VISTOSO - NEIGHBORHOOD 6
LOTS 1 THRU 128, BLOCKS "A" THRU "C"
AND COMMON AREAS "A" THRU "D"
A PORTION OF SECTION 25, T11S, R13E, GASRM,
TOWN OF ORO VALLEY, PIMA COUNTY, ARIZONA
SEPTEMBER 2006
DRAWN BY: JAF 185050-CV02-0106
SHEET 4 OF 11

N:\185050\MEICHA\TOWN-CENTER\FINAL PLAT\BLOCK PLAT - FINAL PLAT\16-TC-FP04.dwg

SEE SHEET 3

OPEN SPACE LINE - OS37
CONTINUES FROM SOUTHWEST 133.65'
SEE OPEN SPACE LINE TABLE SHEET 11

PARCEL 219-21-627G
UNSUBDIVIDED
ZONING: MHDR



400-E.

500-E.

600-E.

N. 18500' WEIGH (TOWN-CENTER) FINAL PLAT/BLOCK PLAT - FINAL PLAT/16-TC-PROJ.016

BLOCK "C"
608,155 SF / 13.96 AC

CA "B1"
554,681 SF / 12.73 AC

HONEY BEE VILLAGE
PRESERVE
"BLOCK A"
566,224 SF / 13.00 AC

CA "B1"
554,681 SF / 12.73 AC

CA "B2"
160,151 SF / 3.68 AC

CA "B2"
160,151 SF / 3.68 AC

CA "B1"
554,681 SF / 12.73 AC

13100-N.

13100-N.

SEE SHEET 4

SEE SHEET 7

SEE SHEET 7

SEE SHEET 6

400-E.

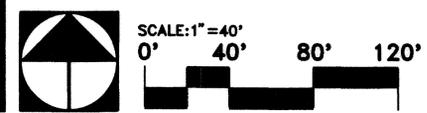
500-E.

600-E.

PARCEL 219-21-627K
UNSUBDIVIDED
ZONING: MHDR

FINAL PLAT 0712-05-28B

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HOHOKAM MESA
VISTOSO TOWN CENTER
RANCHO VISTOSO - NEIGHBORHOOD 6

LOTS 1 THRU 128, BLOCKS "A" THRU "C"
AND COMMON AREAS "A" THRU "D"
A PORTION OF SECTION 25, T11S, R13E, G4SRM,
TOWN OF ORO VALLEY, PIMA COUNTY, ARIZONA

219-21-627H
ZONING: HDR

MOORE ROAD
(DKT. 12884, PG. 2006)
N57°50'53"E
271.71

RANCHO VISTOSO BOULEVARD
(DKT. 8178, PG. 1966)
N32°09'07"W
415.00

HONEY BEE PLAZA
BLOCK "B"
413,829 SF / 9.50 AC

HONEY BEE VILLAGE
PRESERVE
"BLOCK A"
566,224 SF / 13.00 AC

NEIGHBORHOOD 7
PARCEL "C"
BK. 46 PG. 40

11442 SF / 0.26 AC
ARCHAEOLOGICAL
DISPLAY AREA
"C.A. C"

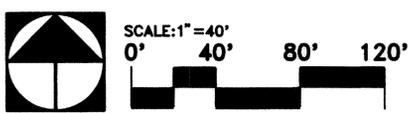
CA "B1"
554,681 SF / 12.73 AC



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FINAL PLAT 0V12-05-28B

HOHOKAM MESA
VISTOSO TOWN CENTER
RANCHO VISTOSO - NEIGHBORHOOD 6

LOTS 1 THRU 128, BLOCKS "A" THRU "C"
AND COMMON AREAS "A" THRU "D"
A PORTION OF SECTION 25, T11S, R13E, G4SRM,
TOWN OF ORO VALLEY, PIMA COUNTY, ARIZONA

SEPTEMBER 2006
DRAWN BY: JMF 185050-CV02-0106

SHEET 6 OF 11

N:\185050\NEIGHBORHOOD CENTER\FINAL PLAT\BLOCK PLAT - FINAL PLAT\NS-TC-FP06.dwg

SEE SHEET 7

SEE SHEET 8

SEE SHEET 4

13000-N.

100-E.

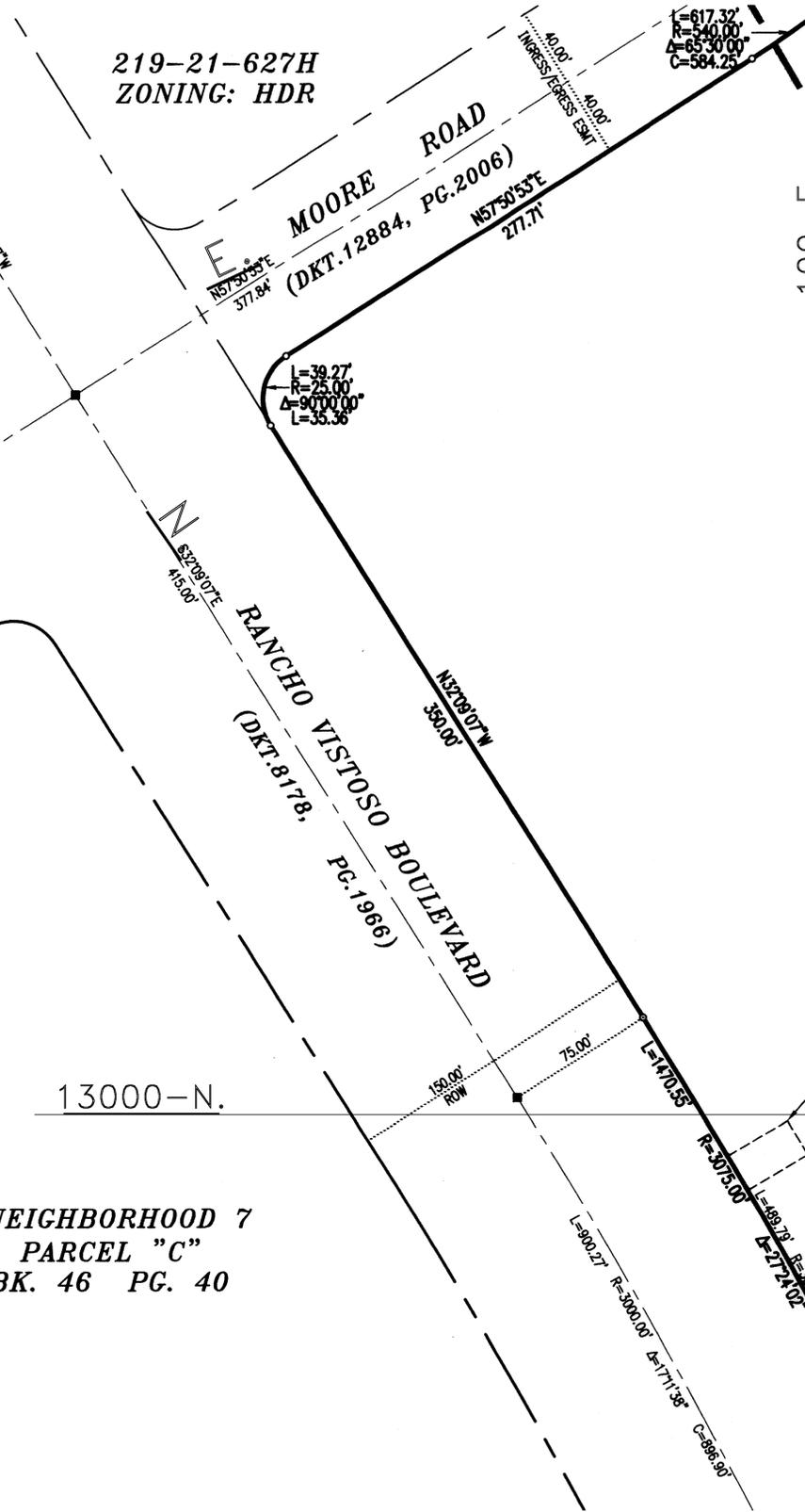
200-E.

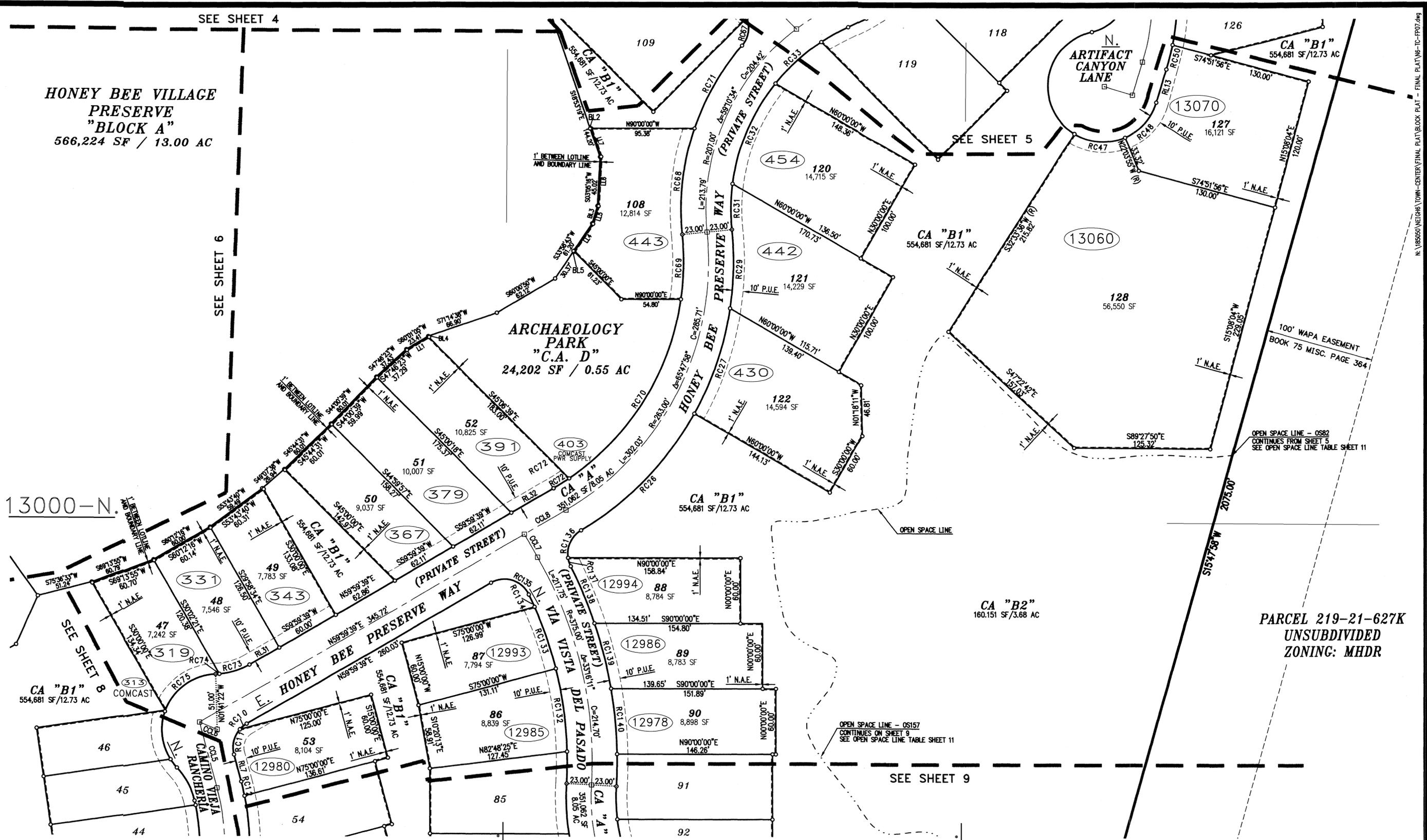
L=617.32'
R=540.00'
A=65°30'00"
C=584.25'

L=39.27'
R=25.00'
A=90°00'00"
L=35.38'

25' SEWER AND
UTILITY EASEMENT
DOCKET 8134
PAGE 1916

20' PUBLIC PEDESTRIAN
ACCESS EASEMENT





HONEY BEE VILLAGE PRESERVE "BLOCK A" 566,224 SF / 13.00 AC

ARCHAEOLOGY PARK "C.A. D" 24,202 SF / 0.55 AC

CA "B1" 554,681 SF / 12.73 AC

CA "B1" 554,681 SF / 12.73 AC

CA "B2" 160,151 SF / 3.68 AC

PARCEL 219-21-627K UNSUBDIVIDED ZONING: MHDR

13000-N.

CA "B1" 554,681 SF / 12.73 AC

SEE SHEET 9

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FINAL PLAT HOHOKAM MESA VISTOSO TOWN CENTER RANCHO VISTOSO - NEIGHBORHOOD 6 LOTS 1 THRU 128, BLOCKS "A" THRU "C" AND COMMON AREAS "A" THRU "D" A PORTION OF SECTION 25, T11S, R13E, G4SRM, TOWN OF ORO VALLEY, PIMA COUNTY, ARIZONA

BLOCK "B"
413,829 SF / 9.50 AC

CA "B1"
554,681 SF/12.73 AC

CA "A"
351,062 SF/8.05 AC

CA "B1"
554,681 SF/12.73 AC

CA "B1"
554,681 SF/12.73 AC

CA "B1"
554,681 SF/12.73 AC

CA "A"
351,062 SF/8.05 AC

CA "B1"
554,681 SF/12.73 AC

NEIGHBORHOOD 7
PARCEL "C"
BK. 46 PG. 40

12900-N.

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SCALE: 1" = 40'
0' 40' 80' 120'



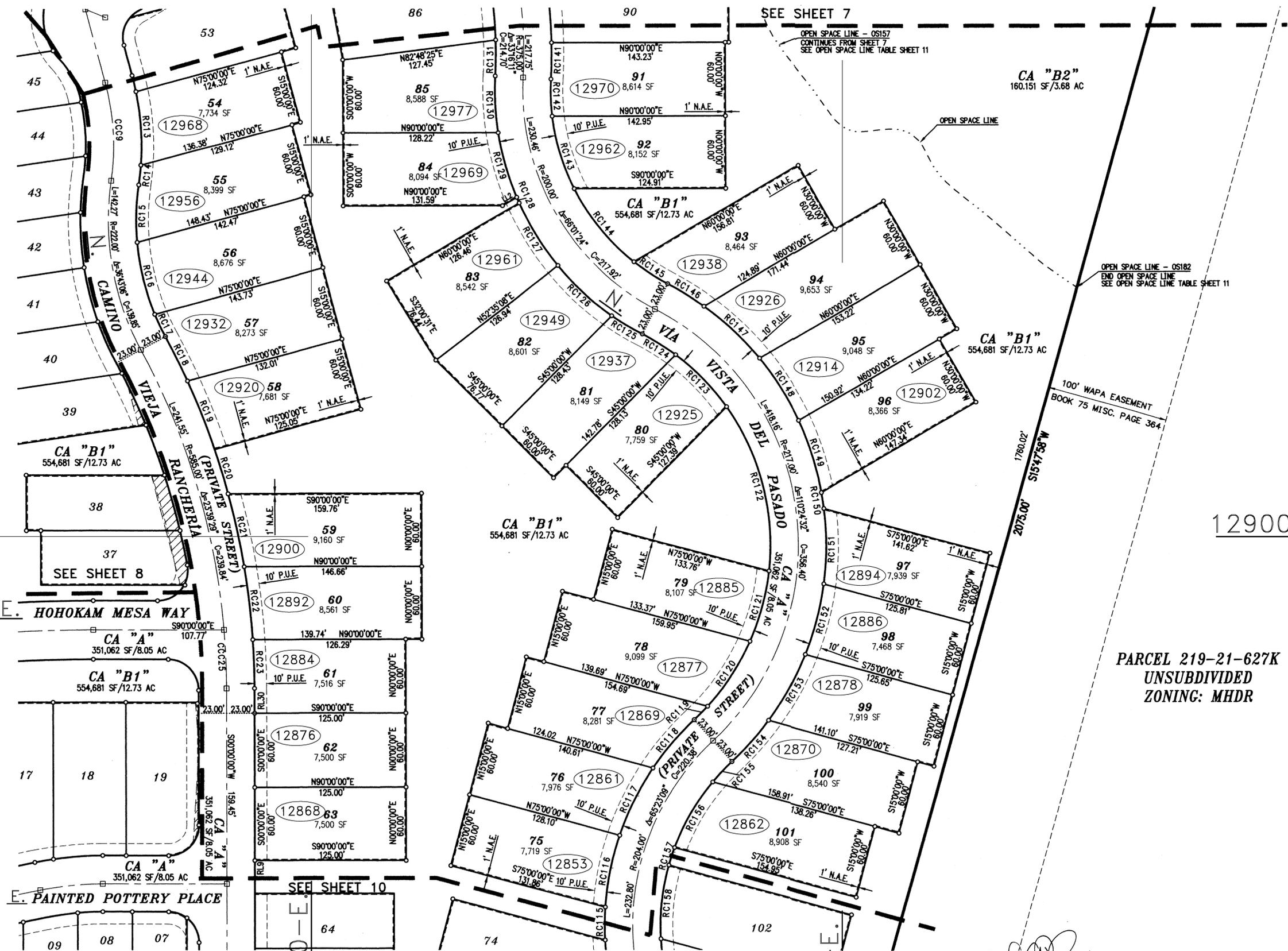
FINAL PLAT
HOHOKAM MESA
VISTOSO TOWN CENTER
RANCHO VISTOSO - NEIGHBORHOOD 6

LOTS 1 THRU 128, BLOCKS "A" THRU "C"
AND COMMON AREAS "A" THRU "D"
A PORTION OF SECTION 25, T11S, R13E, G4SRM,
TOWN OF ORO VALLEY, PIMA COUNTY, ARIZONA

SEPTEMBER 2006
DRAWN BY: JMFJ 185050-CV02-0106

SHEET 8 OF 11

N:\185050\WEIGH6\TOWN-CENTER\FINAL\PLAT\BLOCK PLAT - FINAL PLAT\NB-TC-FR06.dwg



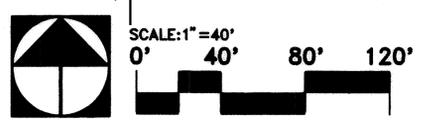
PARCEL 219-21-627K
UNSUBDIVIDED
ZONING: MHDR

12900-N.

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FINAL PLAT 0V12-05-28B

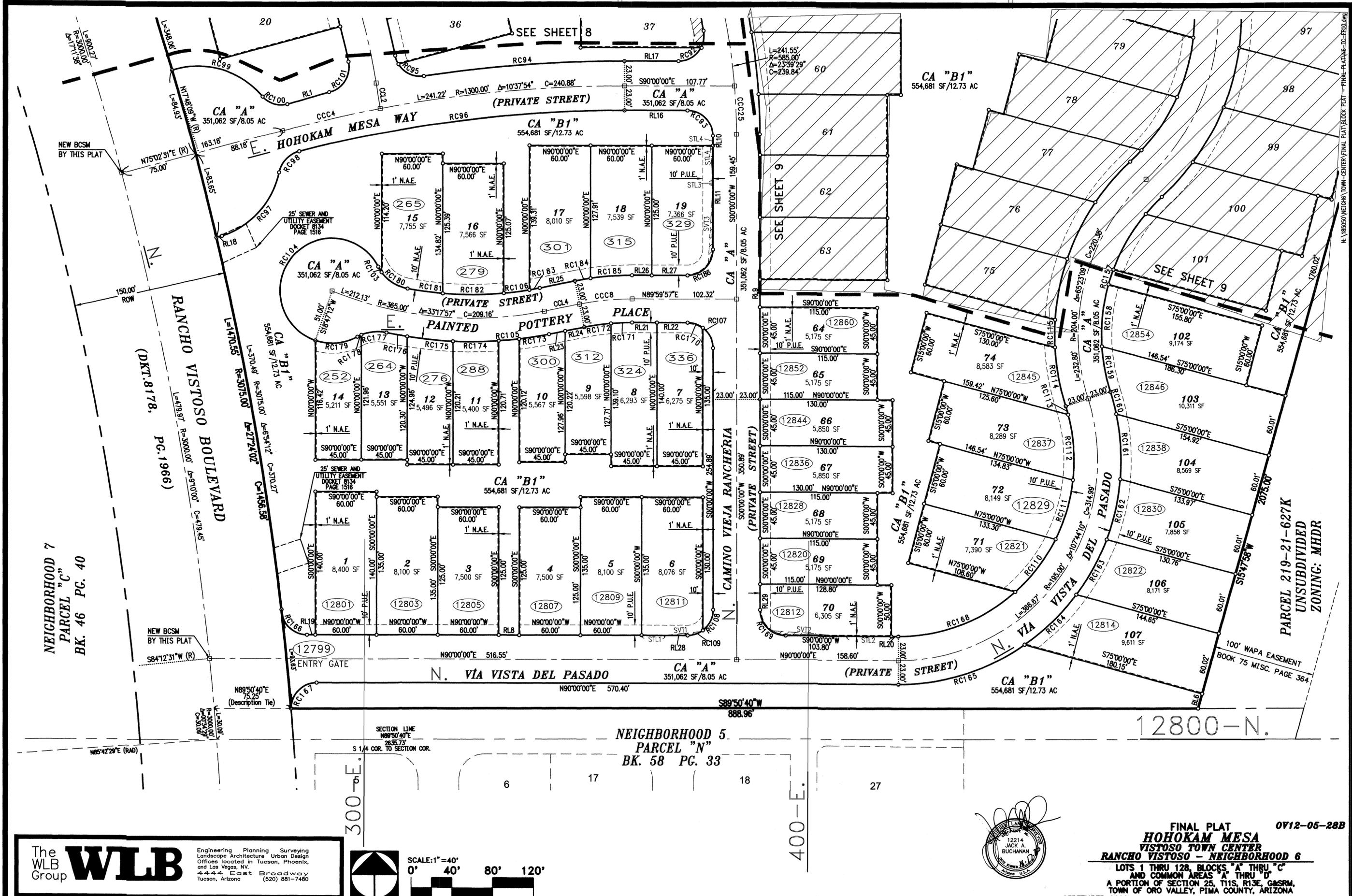
HOHOKAM MESA
VISTOSO TOWN CENTER
RANCHO VISTOSO - NEIGHBORHOOD 6

LOTS 1 THRU 128, BLOCKS "A" THRU "C"
AND COMMON AREAS "A" THRU "D"
A PORTION OF SECTION 25, T11S, R13E, G4SRM,
TOWN OF ORO VALLEY, PIMA COUNTY, ARIZONA

SEPTEMBER 2006
DRAWN BY: JMF/J 185050-CV02-0106

SHEET 9 OF 11

N:\185050\NEIGHBORHOOD CENTER\FINAL\BLOCK PLAT - FINAL PLAT\NG-TG-FR09.dwg



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FINAL PLAT 0712-05-28B
HOHOKAM MESA
VISTOSO TOWN CENTER
RANCHO VISTOSO - NEIGHBORHOOD 6
 LOTS 1 THRU 128, BLOCKS "A" THRU "C"
 AND COMMON AREAS "A" THRU "D"
 A PORTION OF SECTION 25, T11S, R13E, G4SRM,
 TOWN OF ORO VALLEY, PIMA COUNTY, ARIZONA
 SEPTEMBER 2006
 DRAWN BY: JMFJ 185050-CV02-0106 SHEET 10 OF 11

N. 186650 METERS TOWN-CENTER VITAL PLAT/BLOCK PLAT - FINAL PLAT/PLAT - TC-280-09M

Table with 3 columns: LINE, LENGTH, BEARING. Contains data for OPEN SPACE LINE TABLE (OS1-OS77).

Table with 3 columns: LINE, LENGTH, BEARING. Contains data for SVT LINE TABLE (SVT1-SVT7), BLOCK BOUNDARY LINE TABLE (BL1-BL6), and CENTERLINE LINE TABLE (CCL1-CCL14).

Table with 3 columns: LINE, LENGTH, BEARING. Contains data for SVT TIE LINE TABLE (STL1-STL7), BLOCK BOUNDARY CURVE TABLE (BC1-BC7), and CENTERLINE CURVE TABLE (CCC1-CCC25).

Table with 3 columns: LINE, LENGTH, BEARING. Contains data for RIGHT-OF-WAY LINE TABLE (RL1-RL34).

Table with 3 columns: CURVE, LENGTH, RADIUS, DELTA, TANGENT, CHORD. Contains data for 100-YR FLOOD PLAIN LINE TABLE (FL1-FL5) and LOTLINE/EASEMENT LINE TABLE (LL1-LL13).

Table with 6 columns: CURVE, LENGTH, RADIUS, DELTA, TANGENT, CHORD. Contains data for RIGHT-OF-WAY CURVE TABLE (RC1-RC76).

Table with 6 columns: CURVE, LENGTH, RADIUS, DELTA, TANGENT, CHORD. Contains data for RIGHT-OF-WAY CURVE TABLE (RC77-RC152).

Table with 6 columns: CURVE, LENGTH, RADIUS, DELTA, TANGENT, CHORD. Contains data for RIGHT-OF-WAY CURVE TABLE (RC153-RC219).

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FINAL PLAT 0712-05-288 HOHOKAM MESA VISTOSO TOWN CENTER RANCHO VISTOSO - NEIGHBORHOOD 6. SHEET 11 OF 11

FINAL BLOCK PLAT

RANCHO VISTOSO PARCEL 6-B

OV1501923

OWNER/DEVELOPER - BLOCKS A & B

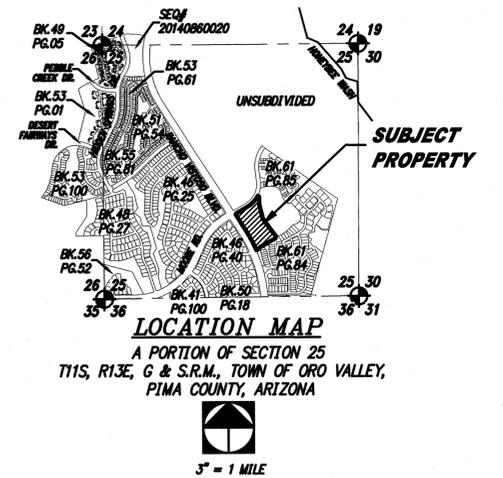
MATTAMY TUCSON, LLC
ATTN: JUSTIN SMITH
6640 N. ORACLE ROAD, #110
TUCSON, AZ 85704

OWNER - COMMON AREA 'A'

VISTOSO TOWN CENTER HOA
ATTN: FIDELITY NATIONAL TITLE
7750 E. BROADWAY BLVD., #A200
TUCSON, AZ 85710

SURVEYOR

THE WLB GROUP
4444 EAST BROADWAY BLVD.
TUCSON, AZ 85711
blarson@wlbgroup.com
520-881-7480



APPROVALS

I, _____, CLERK OF THE TOWN OF ORO VALLEY,
HEREBY CERTIFY THAT THIS PLAT WAS APPROVED BY THE MAYOR AND COUNCIL
OF THE TOWN OF ORO VALLEY ON THE _____ DAY OF _____, 20____.

CLERK, TOWN OF ORO VALLEY _____ DATE _____

PIMA COUNTY REGIONAL WASTEWATER
RECLAMATION DEPARTMENT _____ DATE _____

TOWN ENGINEER _____ DATE _____

PLANNING AND ZONING ADMINISTRATOR _____ DATE _____

WATER UTILITY DIRECTOR _____ DATE _____

ASSURANCES

ASSURANCES IN THE FORM OF _____ FROM _____ AS
RECORDED IN SEQUENCE NO. _____ HAS BEEN PROVIDED TO GUARANTEE DRAINAGE
AND STREET IMPROVEMENTS (INCLUDING MONUMENTS) AND UTILITY IMPROVEMENTS (ELECTRIC,
TELEPHONE, GAS, SEWER, WATER IN THE SUBDIVISION).

BY: _____ DATE _____
MAYOR - TOWN OF ORO VALLEY

ASSURANCES IN THE FORM OF _____ FROM _____
IN THE AMOUNT OF _____ HAVE BEEN PROVIDED TO GUARANTEE THE RESEEDING OF
THIS SUBDIVISION IN THE EVENT THE PROJECT IS ABANDONED.

WATER ADEQUACY

THE TOWN OF ORO VALLEY HAS BEEN DESIGNATED BY THE ARIZONA DEPARTMENT
WATER RESOURCES AS HAVING AN ASSURED WATER SUPPLY, PURSUANT TO
ARS 845-576 AND HEREBY CERTIFIES IN WRITING TO SUPPLY WATER TO THIS SUBDIVISION.

BY: _____ DATE _____
WATER UTILITY DIRECTOR

RECORDING DATA

STATE OF ARIZONA) FEE _____
COUNTY OF PIMA) JSS No. _____

THIS INSTRUMENT WAS FILED FOR RECORD AT THE REQUEST OF THE
WLB GROUP, INC., ON THIS _____ DAY OF _____,
20____, AT _____ M. IN SEQUENCE NO. _____, THEREOF.

F. ANN RODRIGUEZ, PIMA COUNTY RECORDER

BY: _____ DATE _____
DEPUTY FOR PIMA COUNTY RECORDER

RECORD REFERENCES

1.) FINAL PLAT OF "HOHOKAM MESA VISTOSO TOWN CENTER RANCHO VISTOSO -
NEIGHBORHOOD 6", ACCORDING TO BOOK 61 OF MAPS, PAGE 84, P.C.R.

BASIS OF BEARING

THE NORTH-SOUTH MIDSECTION LINE OF SECTION 25, MONUMENTED AS SHOWN
HEREON AS BEARING S00°02'27"E.

SURVEYOR'S NOTES

- THE SURVEY DEPICTED HEREON WAS CONSTRUCTED UTILIZING THE TITLE
COMMITMENT NO. 60012719-001-P13-BM, AMENDMENT NO. 4 AS PREPARED
BY FIRST AMERICAN TITLE INSURANCE COMPANY, BY BARBARA WHIPPLE,
TITLE OFFICER, AND DATED SEPTEMBER 8, 2015, AND THE TITLE COMMITMENT
NO. 60013759-001-P13 AS PREPARED BY OLD REPUBLIC NATIONAL TITLE
INSURANCE COMPANY, BY BARBARA WHIPPLE, TITLE OFFICER.



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DEDICATION

WE, THE UNDERSIGNED, HEREBY WARRANT THAT WE ARE ALL AND THE ONLY
PARTIES HAVING ANY RECORD TITLE INTEREST IN THE LAND SHOWN ON THIS PLAT
AND WE CONSENT TO THE SUBDIVISION OF SAID LAND IN THE MANNER SHOWN
HEREON.

WE, THE UNDERSIGNED, OUR SUCCESSORS AND ASSIGNS, DO HEREBY SAVE THE
TOWN OF ORO VALLEY, ITS SUCCESSORS AND ASSIGNS, THEIR EMPLOYEES,
OFFICERS, AND AGENTS HARMLESS FROM ANY AND ALL CLAIMS FOR DAMAGES
RELATED TO THE USE OF SAID LANDS NOW AND IN THE FUTURE BY REASON OF
FLOODING, FLOWAGE, EROSION, OR DAMAGE CAUSED BY WATER, WHETHER SURFACE
FLOOD, OR RAINFALL. IT IS FURTHER UNDERSTOOD AND AGREED THAT NATURAL
DRAINAGE SHALL NOT BE ALTERED, DISTURBED, OR OBSTRUCTED OTHER THAN AS
SHOWN HEREON WITHOUT THE WRITTEN APPROVAL OF THE TOWN OF ORO VALLEY
TOWN COUNCIL.

TITLE TO THE LAND OF COMMON AREA 'A' IS VESTED IN AN ASSOCIATION OF
INDIVIDUAL OWNERS AS ESTABLISHED BY COVENANTS, CONDITIONS AND
RESTRICTIONS RECORDED IN DOCKET 12917, PAGE 116 IN THE OFFICE OF THE PIMA
COUNTY RECORDER. EACH AND EVERY OWNER WITHIN THE SUBDIVISION SHALL BE
A MEMBER OF THE ASSOCIATION, WHICH WILL ACCEPT ALL RESPONSIBILITY FOR THE
CONTROL, MAINTENANCE, SAFETY AND LIABILITY OF COMMON AREA 'A' WITHIN THIS
SUBDIVISION AS SHOWN HEREON.

MATTAMY TUCSON, LLC, A DELAWARE LIMITED LIABILITY COMPANY _____ DATE _____
6640 N. ORACLE RD., #110
TUCSON, AZ 85704

VISTOSO TOWN CENTER HOA _____ DATE _____
ATTN: FIDELITY NATIONAL TITLE
7750 E. BROADWAY BLVD., #A200
TUCSON, AZ 85710

NOTARY

STATE OF ARIZONA) FEE _____
COUNTY OF PIMA) JSS No. _____

ON THIS, THE _____ DAY OF _____, 2016, BEFORE ME, THE UNDERSIGNED
PERSONALLY APPEARED, _____ WHO ACKNOWLEDGED _____ SELF TO BE
_____ OF MATTAMY TUCSON, LLC, A DELAWARE LIMITED LIABILITY COMPANY
BEING AUTHORIZED SO TO DO, EXECUTED THE FORGOING INSTRUMENT FOR THE PURPOSE THEREIN
CONTAINED BY THEMSELVES AS OWNERS.

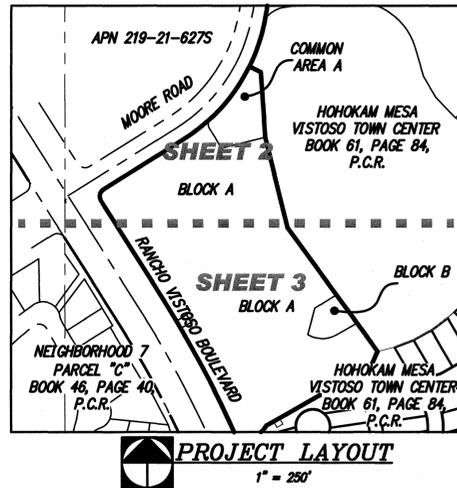
MY COMMISSION EXPIRES: _____ NOTARY PUBLIC

NOTARY

STATE OF ARIZONA) FEE _____
COUNTY OF PIMA) JSS No. _____

ON THIS, THE _____ DAY OF _____, 2016, BEFORE ME, THE UNDERSIGNED
PERSONALLY APPEARED, _____ WHO ACKNOWLEDGED _____ SELF TO BE
_____ OF VISTOSO TOWN CENTER HOA, ATTN: FIDELITY NATIONAL TITLE
BEING AUTHORIZED SO TO DO, EXECUTED THE FORGOING INSTRUMENT FOR THE PURPOSE THEREIN
CONTAINED BY THEMSELVES AS OWNERS.

MY COMMISSION EXPIRES: _____ NOTARY PUBLIC



LEGEND

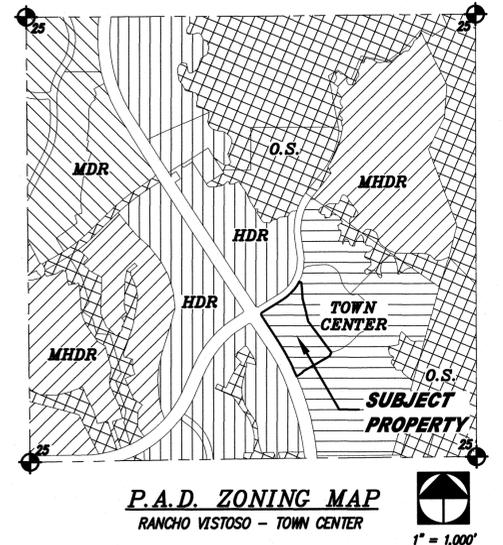
- SUBDIVISION BOUNDARY
- RIGHT OF WAY
- PARCEL LINE
- EASEMENT LINE
- SECTION LINE
- INDICATES BRASS DISK SURVEY MONUMENT STAMPED TO BE SET UPON COMPLETION OF ROAD CONSTRUCTION
- FOUND MONUMENT
- 1/2" REBAR TO BE SET BY A REGISTERED LAND SURVEYOR UPON COMPLETION OF IMPROVEMENTS
- ⊕ SECTION CORNER / QUARTER SECTION CORNER

GENERAL NOTES

- THE GROSS AREA OF THIS SUBDIVISION IS 9.50 ACRES.
- TOTAL NUMBER OF BLOCKS IS 2.
- COMMON AREA 'A' IS RESERVED FOR ARCHEOLOGY DISPLAY AREA. BLOCKS 'A' & 'B' ARE RESERVED FOR FUTURE DEVELOPMENT.
- TOTAL MILES OF NEW PUBLIC STREET IS 0.0 MILES.
- THE MAXIMUM BUILDING HEIGHT IS 34 FEET.
- BUILDING SETBACK PROVISIONS: FRONT 20 FEET
RANCHO VISTOSO - TOWN CENTER SIDE 5 FEET
PERIMETER SETBACKS REAR 5 FEET
ALONG RANCHO VISTOSO BLVD 30 FEET
- EXISTING ZONING: RANCHO VISTOSO P.A.D.-TOWN CENTER
- NO FURTHER SUBDIVISION OF ANY PARCEL SHOWN SHALL BE PERMITTED WITHOUT WRITTEN APPROVAL OF THE ORO VALLEY TOWN COUNCIL.
- THE BASIS OF BEARING FOR THIS PROJECT IS THE NORTH-SOUTH MIDSECTION LINE OF SECTION 25, TOWNSHIP 11 SOUTH, RANGE 13 EAST, GILA AND SALT RIVER MERIDIAN, TOWN OF ORO VALLEY, PIMA COUNTY, ARIZONA. SAID BEARING BEING: S00°02'27"E, IN ACCORDANCE WITH THE FINAL PLAT RECORDED IN BOOK 61, PAGE 84, PIMA COUNTY RECORDER.
- THE PROPERTY OWNER, HIS SUCCESSORS, ASSIGNS, OR A DEDICATED HOMEOWNER'S ASSOCIATION AGREES TO 1) KEEP ALL COMMON AREAS MAINTAINED IN A WEED-FREE, TRASH-FREE CONDITION, 2) REPLACE ANY DEAD PLANT MATERIALS WITHIN 90 DAYS, AND 3) MAINTAIN THE IRRIGATION SYSTEM IN PROPER WORKING ORDER.
- THIS DEVELOPMENT WILL BE SERVED BY ORO VALLEY WATER UTILITY (OVWU) WHICH HAS BEEN DESIGNATED AS HAVING AN ASSURED 100-YEAR WATER SUPPLY BY THE DIRECTOR OF WATER RESOURCES.
- ALL ARCHAEOLOGICAL MITIGATION SHALL BE APPROVED AND IMPLEMENTED TO THE SATISFACTION OF THE PLANNING AND ZONING ADMINISTRATOR PRIOR TO THE ISSUANCE OF ANY GRADING PERMITS BY THE TOWN.
- WITHIN TWO YEARS OF THE DATE OF RECORDATION OF THIS PLAT THE OWNER OF COMMON AREA 'A' SHALL CONVEY SAID COMMON AREA 'A' TO THE TOWN OF ORO VALLEY FOR USE AS AN ARCHAEOLOGICAL DISPLAY AREA AND TO PROVIDE PUBLIC ACCESS TO THE HONEYBEE VILLAGE PRESERVE.
- THE ARCHAEOLOGICAL DISPLAY AREA WILL CONTAIN A RAMADA, PARKING, AND PEDESTRIAN CONNECTIONS TO MOORE ROAD AND THE FUTURE PARKING LOT WITHIN THE COMMERCIAL PARCEL TO THE SOUTHWEST

P.A.D. ZONING KEY

- HDR
- MHDR
- MDR
- TOWN CENTER
- OS/REC



SHEET INDEX

SHEET 1 COVER SHEET
SHEETS 2 - 3 PLAN SHEETS

CERTIFICATION

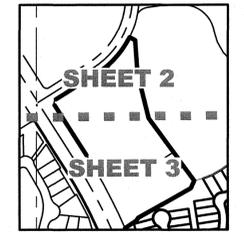
I HEREBY CERTIFY THAT THE BOUNDARY SURVEY SHOWN ON THIS PLAT WAS PERFORMED
UNDER MY DIRECTION AND THAT ALL EXISTING AND/OR PROPOSED SURVEY MONUMENTS
AND MARKERS SHOWN ARE CORRECTLY DESCRIBED. I FURTHER CERTIFY THAT THIS
PLAT WAS PREPARED UNDER MY DIRECTION.

ROBERT L. LARSON, R.L.S., NO. 26923

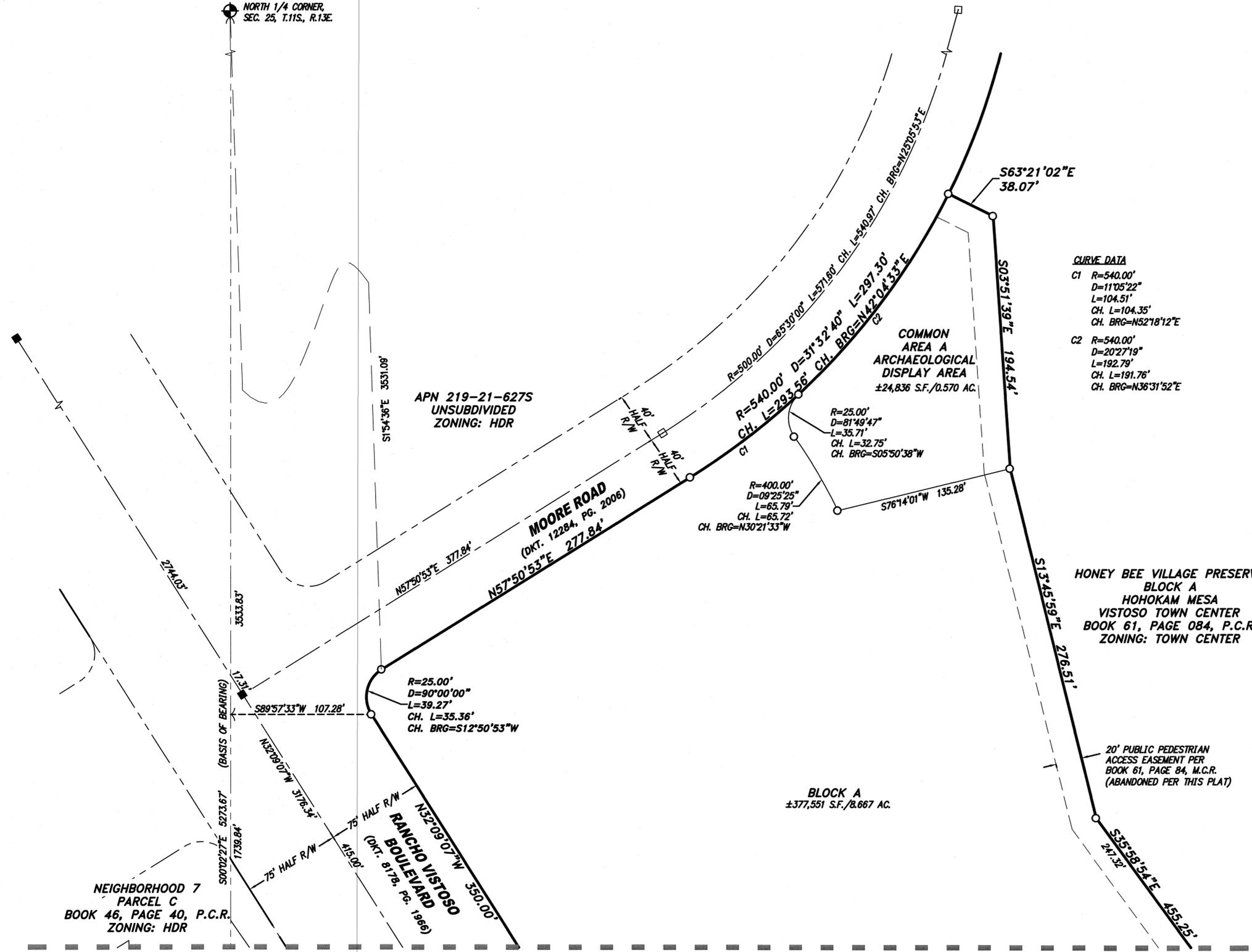


OV1501923
FINAL BLOCK PLAT
RANCHO VISTOSO PARCEL 6-B
BLOCKS A & B AND COMMON AREA A
A RESUBDIVISION OF BLOCK B AND COMMON AREA C OF
HOHOKAM MESA VISTOSO TOWN CENTER, RANCHO VISTOSO - NEIGHBORHOOD 6,
RECORDED IN BOOK 61 M&P, PAGE 84.
WITHIN SECTION 25, TOWNSHIP 11 SOUTH, RANGE 13 EAST
GILA & SALT RIVER MERIDIAN, TOWN OF ORO VALLEY, PIMA COUNTY, ARIZONA

NORTH 1/4 CORNER,
SEC. 25, T.11S, R.13E



INDEX LAYOUT
1" = 500'



CURVE DATA
C1 R=540.00'
D=11°05'22"
L=104.51'
CH. L=104.35'
CH. BRG=N52°18'12"E
C2 R=540.00'
D=20°27'19"
L=192.79'
CH. L=191.76'
CH. BRG=N36°31'52"E

APN 219-21-627S
UNSUBDIVIDED
ZONING: HDR

MOORE ROAD
(DKT. 12284, Pg. 2006)
N57°50'53"E 277.84'

**COMMON AREA A
ARCHAEOLOGICAL
DISPLAY AREA**
±24,836 S.F./0.570 AC.

**HONEY BEE VILLAGE PRESERVE
BLOCK A
HOHOKAM MESA
VISTOSO TOWN CENTER
BOOK 61, PAGE 084, P.C.R.
ZONING: TOWN CENTER**

BLOCK A
±377,551 S.F./8.667 AC.

R=25.00'
D=90°00'00"
L=39.27'
CH. L=35.36'
CH. BRG=S12°50'53"W

**RANCHO VISTOSO
BOULEVARD**
(DKT. 8178, Pg. 1968)
N32°09'07"W 350.00'

**NEIGHBORHOOD 7
PARCEL C**
BOOK 46, PAGE 40, P.C.R.
ZONING: HDR

SHEET 3

The **WLB** Group
Engineering • Planning • Surveying
Landscape Architecture • Urban Design
Offices located in Tucson, Phoenix,
Flagstaff, AZ, and Las Vegas, NV.
4-4-4 East Broadway
Tucson, Arizona (520) 881-7480



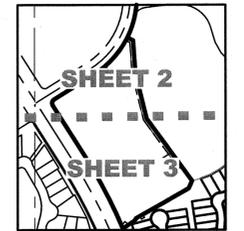
OV1501923
FINAL BLOCK PLAT
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A RESUBDIVISION OF BLOCK B AND COMMON AREA C OF
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RECORDED IN BOOK 61 M&P, PAGE 84.
WITHIN SECTION 25, TOWNSHIP 11 SOUTH, RANGE 13 EAST
GILA & SALT RIVER MERIDIAN, TOWN OF ORO VALLEY, PIMA COUNTY, ARIZONA

REF: OV1205-28B
SCALE: 1" = 40'
NOVEMBER 2015
WLB NO. 185050-MT-12
SHEET 2 OF 3

SEO NO.

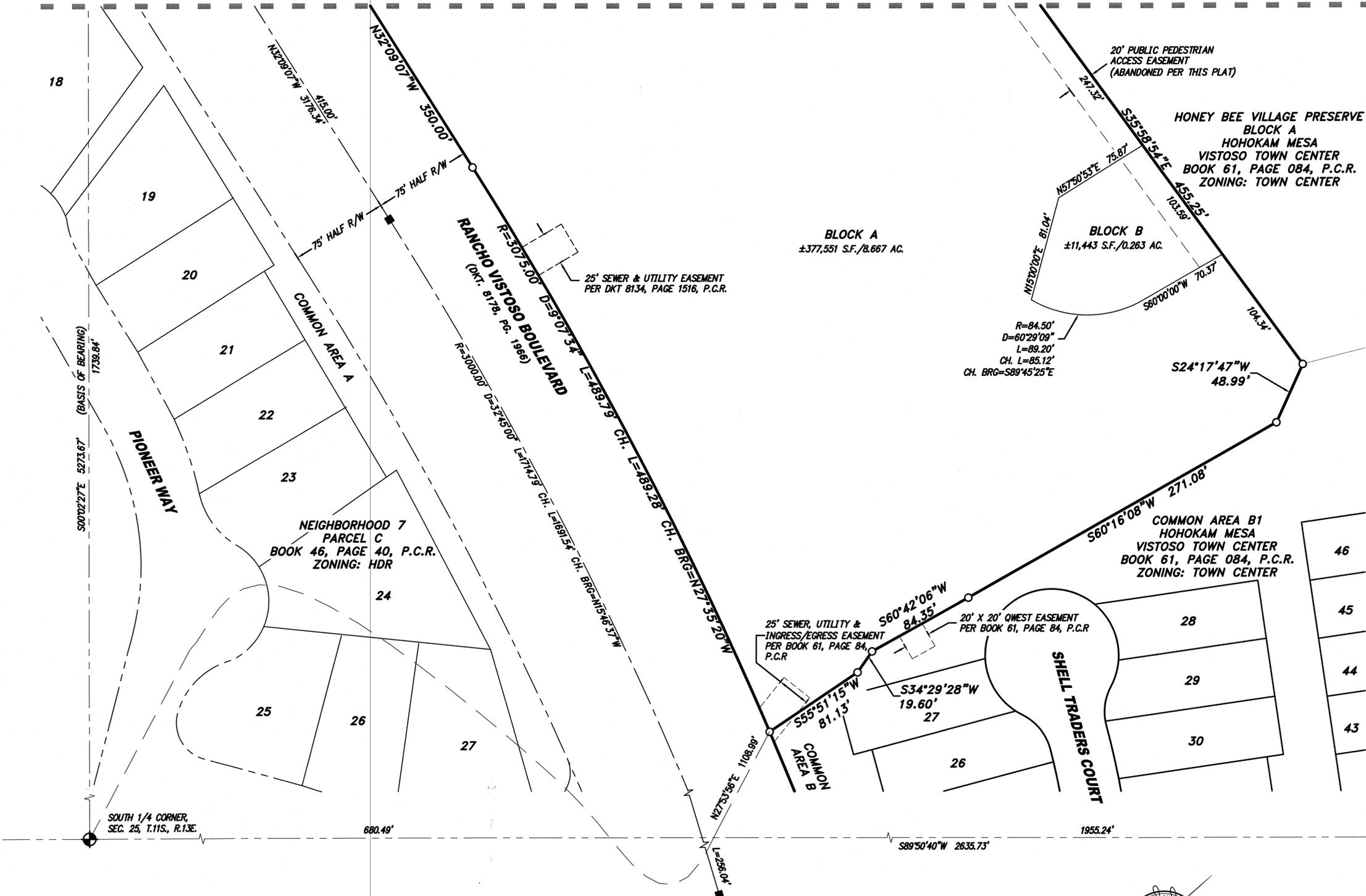
SEO NO.

Q:\185050\MT-12 - RV Neigh 6B\04 Plotting\06 F-Block Plat\Submittals\185050MT12ip01.dwg Plotted: Feb. 25, 2016



INDEX LAYOUT
1" = 500'

SHEET 2



OV1501923
FINAL BLOCK PLAT
RANCHO VISTOSO PARCEL 6-B
BLOCKS A & B AND COMMON AREA A
A RESUBDIVISION OF BLOCK B AND COMMON AREA C OF
HOHOKAM MESA VISTOSO TOWN CENTER, RANCHO VISTOSO - NEIGHBORHOOD 6,
RECORDED IN BOOK 61 M&P, PAGE 84.
WITHIN SECTION 25, TOWNSHIP 11 SOUTH, RANGE 13 EAST
GILA & SALT RIVER MERIDIAN, TOWN OF ORO VALLEY, PIMA COUNTY, ARIZONA

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4444 East Broadway
Tucson, Arizona (520) 881-7480

SEO NO.

SEO NO.

C:\185050\MT-12 - RY Neigh 6B\04 Plating\06 F-Block Plat\Submittals\185050MT12fp01.dwg Plotted: Feb. 25, 2016



Town Council Regular Session

Item # F.

Meeting Date: 04/06/2016

Requested by: Daniel G. Sharp

Submitted By: Colleen Muhr, Police
Department

Department: Police Department

Information

SUBJECT:

Resolution No. (R)16-13, authorizing and approving an Intergovernmental Agreement (IGA) between Pima County and the Town of Oro Valley for the Pima County Wireless Integrated Network (PCWIN) subscriber services

RECOMMENDATION:

Staff recommends approval.

EXECUTIVE SUMMARY:

On April 16, 2014, Council approved Resolution No. (R)14-23, authorizing and approving an IGA between Pima County and the Town of Oro Valley for the PCWIN Subscriber Services in order to provide repair and maintenance services to PCWIN radios. On February 4, 2015, Resolution No. (R)15-12 was authorized by Council and Amendment #1 was approved, extending the IGA for one additional year.

BACKGROUND OR DETAILED INFORMATION:

Pima County is replacing the existing IGA, which requires annual renewal, with this new form of IGA which will remain in effect until either party terminates the IGA or the PCWIN program ceases to exist.

This agreement provides for the continuance of necessary repair and maintenance for the 237 radios utilized by the Oro Valley Police Department.

FISCAL IMPACT:

Appropriate budget capacity of \$8,758.47 exists for this maintenance item in the current fiscal year budget, and the capacity of \$8,840 will be included in the appropriate category in the requested budget for FY 2016/17.

SUGGESTED MOTION:

I MOVE to (adopt or deny) Resolution No. (R)16-13, authorizing and approving an Intergovernmental Agreement between Pima County and the Town of Oro Valley for the Pima County Wireless Integrated Network (PCWIN) subscriber services.

Attachments

(R)16-13 PCWIN IGA w/ Pima County
PCWIN IGA

RESOLUTION NO. (R)16-13

A RESOLUTION OF THE MAYOR AND COUNCIL OF THE TOWN OF ORO VALLEY, ARIZONA, AUTHORIZING AND APPROVING AN INTERGOVERNMENTAL AGREEMENT BETWEEN PIMA COUNTY AND THE TOWN OF ORO VALLEY FOR THE PIMA COUNTY WIRELESS INTEGRATED NETWORK (PCWIN)

WHEREAS, pursuant to A.R.S. § 11-952, the Town is authorized to enter into or renew agreements for joint and cooperative action with other public agencies; and

WHEREAS, the Town is authorized to establish and maintain the Oro Valley Police Department, pursuant to A.R.S. § 9-240 (B)(12); and

WHEREAS, the Town desires to enter into the Intergovernmental Agreement (IGA) with Pima County to continue to provide ITD Subscriber Services to the Town in connection with the Town's participating in PCWIN; and

WHEREAS, the term of this IGA in continuous until termination by either party; and

WHEREAS, it is in the best interest of the Town to amend the IGA, attached hereto as Exhibit "A" and incorporated herein by this reference, to provide for the health, safety and welfare of the residents in the Town of Oro Valley.

NOW, THEREFORE, BE IT RESOLVED by the Mayor and Town Council of the Town of Oro Valley, Arizona, that:

1. The he Intergovernmental Agreement between the Town of Oro Valley and Pima County, attached hereto as Exhibit "A", for ITD Subscriber Services in connection with the Pima County Wireless Integrated Network is hereby authorized and approved.
2. The Chief of Police and any other administrative officials are hereby authorized to take such steps as necessary to execute and implement the terms of the Agreement.

PASSED AND ADOPTED by the Mayor and Town Council of the Town of Oro Valley, Arizona, this 6th day of April, 2016.

TOWN OF ORO VALLEY

Dr. Satish I. Hiremath, Mayor

ATTEST:

APPROVED AS TO FORM:

Julie K. Bower, Town Clerk

Tobin Sidles, Legal Services Director

Date: _____

Date: _____

EXHIBIT "A"

<p>PIMA COUNTY DEPARTMENT OF INFORMATION TECHNOLOGY</p> <p>PROJECT: PCWIN</p> <p>GRANTEE: TOWN OF ORO VALLEY POLICE DEPARTMENT</p> <p>FUNDING: N/A</p> <p>AMOUNT: \$-0-</p>	
--	--

**INTERGOVERNMENTAL AGREEMENT
FOR PIMA COUNTY ITD SUBSCRIBER SERVICES
BETWEEN PIMA COUNTY AND TOWN OF ORO
VALLEY POLICE DEPARTMENT**

THIS INTERGOVERNMENTAL AGREEMENT (Agreement), is made and entered into by and between Pima County, a political subdivision of the State of Arizona (“County”) and Town of Oro Valley Police Department (hereafter referred to as “Agency”) pursuant to A.R.S. §11-952 *et seq.*

WHEREAS County and Agency may contract for services and enter into agreements with one another for joint or cooperative action pursuant to A.R.S. §§11-951 through 11-954 and 41-2631 through 41-2634; and

WHEREAS County has implemented a regional public safety communications network known as the Pima County Wireless Integrated Network (“**PCWIN**”); and

WHEREAS Agency has agreed to participate in the PCWIN program; and

WHEREAS Agency desires to use PCWIN communication equipment and services and does not have the ability to maintain same; and

WHEREAS County has facilities and resources to maintain and service PCWIN communication equipment; and

WHEREAS County is willing to provide communication service and equipment maintenance to Agency.

NOW, THEREFORE County and Agency agree as follows:

1. Purpose.

The purpose of this Agreement is to set forth the responsibilities of the parties and provide communication service and equipment maintenance to Agency.

2. Scope:

- A. County, through its Information Technology Department, Wireless Services Division, will provide communication equipment maintenance to Agency at 1313 South Mission Road, Tucson, Arizona, 85713. County will only provide communication equipment maintenance to PCWIN communications equipment owned or leased by Agency, and all affected equipment must be clearly marked or identified as such.
- B. County guarantees communication equipment maintenance work for ninety (90) days and will pass on to Agency any parts warranty provided by the manufacturer. If County communication equipment maintenance work or replacement parts fail in normal service within that period, County will make additional repairs at no additional charge to Agency. County provides no other express warranty on communication equipment maintenance work. Any implied warranty of merchantability or fitness is limited to the ninety (90) day duration of this warranty.
- C. Agency is liable for all damages to the County facility caused by Agency in the course of maintaining Agency's communication equipment, except for damages that result from the sole negligence of County.

3. Payment

A. County will bill Agency monthly through the Finance Department, Revenue Management Division for maintenance services. This service will be billed in arrears of the service provided. Current rates are outlined in the attached Exhibit A. Exhibits B and C require each participating Public Agency to opt for either monthly or time and materials billing; provided, however, that Agency may opt for **both** monthly and time and materials payment. Agency will pay County within thirty (30) days of receipt of County's bill.

B. If, after ten (10) days additional written notice to Agency, it fails to pay the full amount due, County may terminate this Agreement immediately upon written notice to Agency.

C. County reserves the right to increase the rates set forth in Exhibit A or Time and Materials charges as applicable to Agency if County's actual costs for labor or materials increase. County will provide written notice of any increase in rates or charges to Agency.

4. Term and Termination

- A. County and Agency will within their lawful methods of financing provide for payment of the costs and expenses of their obligations arising each year under this Agreement from current annual budgeted funds for that year.

The initial term of this Agreement begins upon the signing of this Agreement by both Parties (the "Effective Date") and runs concurrently with Agency's membership in PCWIN unless otherwise terminated in accordance with paragraph C below. Notwithstanding the foregoing, this Agreement automatically terminates upon dissolution of the PCWIN Cooperative.

Agency may select a new maintenance option, Monthly Maintenance or Time and Material, by written notice to County annually by March 30th. If Agency desires no changes, the existing maintenance will remain in effect.

- B. Notwithstanding any other provision in this Agreement, this Agreement may be terminated if for any reason the Pima County Board of Supervisors or Agency's governing body do not appropriate sufficient monies for the purpose of maintaining this Agreement. In the event of such cancellation, County will have no further obligation to Agency, and Agency's only obligation to County will be payment for services rendered and the satisfaction of any other obligations under this Agreement
- C. Either party may terminate this Agreement by issuing a written notice of its intention to terminate this Agreement at least ninety (90) days prior to the anniversary of the Effective Date.

5. Severability

Each provision of this Agreement stands alone, and any provision of this Agreement found to be prohibited by law is ineffective to the extent of such prohibition without invalidating the remainder of this Agreement.

6. Indemnification

Each party (as "Indemnitor") agrees to indemnify, defend, and hold harmless the other party (as "Indemnitee") from and against any and all claims, losses, liability, costs, or expenses (including reasonable attorney's fees) (hereinafter collectively referred to as "Claims") arising out of bodily injury of any person (including death) or property damage, but only to the extent that such Claims which result in vicarious/derivative liability to the Indemnitee are caused by the act, omission, negligence, misconduct, or other fault of the Indemnitor, its officers, officials, agents, employees, or volunteers.

In addition, Agency will indemnify, defend, save and hold harmless Pima County,

any jurisdiction or Agency issuing any permits for any work arising out of this Agreement, and their respective directors, officers, officials, agents, and employees (hereinafter referred to as "Indemnatee") from and against any and all claims, actions, liabilities, damages, losses, or expenses (including court costs, attorneys' fees, and costs of claim processing, investigation and litigation) (hereinafter referred to as "Claims") for bodily injury or personal injury (including death), or loss or damage to tangible or intangible property caused, or alleged to be caused, in whole or in part, by the negligent or willful acts or omissions of Agency or any of the directors, officers, agents, or employees or contractors of Agency. This indemnity includes any claim or amount arising out of or recovered under the Workers' Compensation Law or arising out of the failure of Agency to conform to any federal, state or local law, statute, ordinance, rule, regulation or court decree. It is the specific intention of the parties that the Indemnatee will, in all instances, except for Claims arising solely from the negligent or willful acts or omissions of the Indemnatee, be indemnified by Agency from and against any and all claims. Agency will be responsible for primary loss investigation, defense and judgment costs where this indemnification is applicable.

7. Americans With Disabilities Act

Agency will comply with all applicable provisions of the Americans with Disabilities Act (Public Law 101-336, 42 U.S.C. 12101-12213) and all applicable federal regulations under the Act, including 28 CFR Parts 35 and 36.

8. Cancellation For Conflict Of Interest

This Agreement is subject to cancellation for conflict of interest pursuant to ARS § 38-511, the pertinent provisions of which are incorporated into this Agreement by reference.

9. No Joint Venture

It is not intended by this Agreement to, and nothing contained in this Agreement will create any partnership, joint venture or employment relationship between the parties or create any employer-employee relationship between County and any of Agency's employees, or between Agency and any County employees. None of the parties are liable for any debts, accounts, obligations or other liabilities whatsoever of the other party, including (without limitation) Agency's and County's obligation to withhold Social Security and income taxes for itself or any of its employees.

10. Insurance.

A. Coverages. Subject to section 10. E. below, the Parties to this Intergovernmental Agreement will obtain and maintain at their own expense, during the entire term of this Agreement the following type(s) and amounts of insurance:

- 1) *Commercial General Liability.* Coverage shall be at least as broad as ISO form CG 00 01 in an amount not less than \$2,000,000.00, endorsed to include County as an additional insured with coverage at least as broad as ISO form CG 20 10.
 - 2) *Commercial General Automobile Liability.* Coverage shall be at least as broad as ISO form CA 00 01 in an amount not less than \$1,000,000.00 for vehicles actually used in the operations at the Premises (as compared to use for simple commuting).
 - 3) *Workers' Compensation.* Statutory limits, with Employers' Liability coverage in an amount not less than \$1,000,000.00 per injury, illness, or disease.
 - 4) *Property.* Property insurance covering the Party's real and personal property.
- B. Changes to Insurance Requirements. County retains the right to reasonably increase the limits or types of coverage from time to time as determined in the best interests of County by Pima County Risk Management.
- C. Waiver of Subrogation. Each Party waives its claims and subrogation rights against the other for losses typically covered by liability or property insurance coverage.
- D. Certificates of Insurance. The Parties will provide each other with current certificates of insurance within thirty (30) days of the execution of this Intergovernmental Agreement. All certificates of insurance must provide for guaranteed thirty (30) days written notice to all Parties to this Intergovernmental Agreement of cancellation, non-renewal or material change.
- E. Self-Insurance Pool. The requirements of this Section 10 above may be alternatively met by the Parties through self-insurance or participation in a governmental insurance risk pool, at no less than the minimal levels set forth in this article. If applicable, Parties to this Intergovernmental Agreement will provide all other Parties with certificates of self-insurance under A.R.S. §§ 11-261 and 11-981 (or if a school district, § 15-382) or documentation of participation in an insurance risk pool pursuant to A.R.S. § 11-952.01, (if a school district, § 15-382) within thirty (30) days of the execution of this Intergovernmental Agreement. All certificates must provide for guaranteed thirty (30) days' written notice to all other Parties of cancellation, non-renewal or material change.

10. Compliance with Laws

The parties will comply with all federal, state, and local laws, rules, regulations,

standards and Executive Orders, without limitation. In the event any services provided under this Agreement require a license issued by the Arizona Registrar of Contractors (ROC), County certifies that those services will be provided by a contractor licensed by ROC to perform those services in Arizona. The laws and regulations of the State of Arizona govern the rights, performance and disputes of and between the parties. Any action relating to this Agreement must be filed and maintained in a court of the State of Arizona in Pima County.

Any changes in the governing laws, rules, and regulations during the term of this agreement apply, but do not require an amendment.

11. Non-Discrimination

Agency agrees to comply with all provisions and requirements of Arizona Executive Order 2009-09 which is hereby incorporated into this agreement as if set forth in full herein including flow down of all provisions and requirements to any subcontractors. During the performance of this agreement, Agency will not discriminate against any employee, client or any other individual in any way because of that person's age, race, creed, color, religion, sex, disability or national origin.

12. No Third Party Beneficiaries

Nothing in this Agreement is intended to create duties or obligations to or rights in third parties not parties to this Agreement or affect the legal liability of either party to the Agreement by imposing any standard of care with respect to the maintenance of public facilities different from the standard of care imposed by law.

13. Workers' Compensation

Agency will comply with the notice of A.R.S. §23-1022 (E). For purposes of A.R.S. §23-1022, Agency is considered the primary employer of all personnel currently or hereafter employed by Agency, irrespective of the operations of protocol in place, and Agency has the sole responsibility for the payment of Workers' Compensation benefits or other fringe benefits of its employees.

14. Notice

Any notice required or permitted to be given under this Agreement must be in writing and be served by personal delivery or by certified mail upon the other party as follows:

COUNTY:
Neil Konigsberg
Pima County Real

AGENCY:
Oro Valley Police Department
Attn.: Police Chief

Property Services Administrator

11000 N. La Canada Drive
Oro Valley, AZ 85737

201 N. Stone, 6th Floor
Tucson, AZ 85701
520-724-6582
Neil.Konigsberg@pima.gov

15. Entire Agreement

This document constitutes the entire agreement between the parties pertaining to the subject matter hereof, and all prior or contemporaneous agreements and understandings, oral or written, are hereby superseded and merged herein. This Agreement may be modified, amended, altered or extended only by a written amendment signed by the parties.

REMAINDER OF PAGE INTENTIONALLY LEFT BLANK

IN WITNESS THEREOF, the parties have affixed their signatures to this Agreement on the date written below.

PIMA COUNTY

TOWN OF ORO VALLEY POLICE DEPARTMENT

Chair, Board of Supervisors

Authorized Officer Signature

Printed Name and Title

Date

Date

ATTEST:

ATTEST:

Clerk of Board

Julie K. Bower, Town Clerk

Date

Date

APPROVED AS TO CONTENT:

Pima County Chief Information Officer

Date

INTERGOVERNMENTAL AGREEMENT DETERMINATION

The foregoing Intergovernmental Agreement between Pima County and Town of Oro Valley Police Department has been reviewed pursuant to A.R.S. § 11-952 *et seq.* by the undersigned, who have determined that it is in proper form and is within the powers and authority granted under the laws of the State of Arizona to those Parties to the Intergovernmental Agreement represented by the undersigned.

PIMA COUNTY:

Deputy County Attorney, Civil Division

Date

TOWN OF ORO VALLEY POLICE DEPARTMENT:

Tobin Sidles, Legal Services Director

Date

EXHIBIT A

Pima County Wireless Services Monthly Subscriber Services

- A) Monthly fee of \$8 per Radio
- B) Subscriber Services Provided;
 - I. Programming
 - II. New radio activation
 - III. Load/removal of encryption keys
 - IV. Basic troubleshooting
 - V. Loaner radio during radio repairs
 - VI. Radio Inhibit (Lost/Stolen) Note: Documentation will need to be provided
 - VII. Radio Activation/Deactivation fee of \$50 per occurrence
 - VIII. Preventative maintenance services at agency premises or in maintenance provider shop to inspect/tune radios and replace various parts.
 - IX. The following parts/accessories will be replaced at no charge;
 - i. Antennas
 - ii. Belt Clips
 - iii. Batteries
 - iv. Knobs
 - v. Dust Covers
 - vi. Single Unit Desk Charges

Notes

- 1) Any damage that occurs due to physical, chemical, or liquid are NOT covered.
- 2) Covered replacement parts are a 1 for 1 swap. Damaged/malfunctioning parts must be turned in to be replaced. For lost or stolen parts, a department memo must be submitted for replacement.
- 3) Motorola Radio Repair Cost, including flat shipping rate of \$20 are charged directly to the agency upon approval.
- 4) Labor and parts are covered for the following items installed in vehicles; Transceiver, Remote Head, and Speaker. Customer must use their own personnel/fleet service or a contractor to replace all other items.

Pima County Wireless Time & Material Services

- A) T & M Services provided (\$40/hr, 1 hour minimum charge)
 - a. New Radio Activation
 - b. Reprogramming repaired radio
 - c. Codeplug modification
 - d. UID changes
 - e. Talkgroup changes
 - f. Fleetmap modification
 - g. Load/remove encryption key
 - h. Radio inhibit (lost or stolen). Documentation will need to be provided.
- B) Radio reactivation/deactivation fee of \$50 per occurrence
- C) Agencies on T&M must maintain an inventory of spare radios.
- D) Any T&M services (including annual preventative maintenance) provided at the AGENCY LOCATION will be charged a mileage expense of:
 - a. \$1.16 per mile roundtrip from PC Wireless Services Shop.
- E) Each T&M agency must pay for an annual MANDATORY preventative maintenance checkup to inspect/tune radios (agency pays for cost of parts, if applicable.)
 - a. \$20 – Portable Radios
 - b. \$20 – Mobile Radios (includes: pre/post inspection of vehicle, test coax and antenna, removal and installation of radio for PM.)
 - c. \$20 – Control Station (includes: onsite PM at installed location or nearby location, Test Coax and Antenna, removal and installation of radio for PM.)

Notes

- 1) Motorola Radio Repair Cost, including flat shipping rate of \$20 are charged directly to the agency upon approval.
- 2) Spare parts and materials used in repairs
- 3) Labor to replace any items installed in the vehicle are covered for the following items installed in vehicles; Transceiver, Remote Head, and Speaker. Customer must use their own personnel/fleet service or a contractor to replace all other items.

EXHIBIT B

Agency Name	Oro Valley Police Department
County or COT Maintenance	County
Monthly / T&M / Both	T & M

	Totals
# of Mobiles	116
# of Portables	119
# of Control Stations	2
# of DVRs	0
Totals	237

Monthly		\$8 Monthly Fee (\$96 Annual)
Mobiles	0	\$ -
Portables	0	\$ -
Control Stations	0	\$ -
DVRs	0	\$ -
Totals	0	\$ -

T&M		\$20 Base Annual Fee
Mobiles	116	\$ 2,320 -
Portables	119	\$ 2,380 -
Control Stations	2	\$ 40 -
DVRs	0	\$ -
Totals	237	\$ 4,740 -

\$ 4,168.83 -

T&M Estimated Annual Service Cost*

Grand Total	237	\$8,908.83 -
-------------	-----	--------------

*10% of total radios needing 1 hour repair and an average of battery, belt clip and antenna replacement (\$135.90 for parts and \$40 for one hour of labor = \$175.90).

EXHIBIT C



Date

Welcome New PCWIN Subscriber!

Completion of this survey will assist both maintenance providers with projecting the quantity and type of spare parts to stock and with personnel staffing needs.

Agency selections will be valid from the date Intergovernmental Agreement is executed until June 30, of the following fiscal year.

Please provide your agencies' contact for radio maintenance policies and procedures.

Agency Name to be inserted to Agreement:	Oro Valley Police Department
Primary Contact:	Michelle DeVault
Phone Number:	520-229-4911
Email Address:	mdevault@orovalleyaz.gov
Secondary Contact:	Aaron LeSuer
Phone Number:	520-229-4907
Email Address:	alesuer@orovalleyaz.gov

Please select one of the following Subscriber Service Providers;

<input type="checkbox"/>	City of Tucson
Service	Time and Material Only

	Pima County Wireless Services	# of Portables	# of Mobiles	# of Control Stations
Service (Select all that apply)	<input type="checkbox"/> Time and Material	116	119	2
	<input type="checkbox"/> Monthly			

Daniel G. Sharp
Name (printed)

Signature

Date



Town Council Regular Session

Item # G.

Meeting Date: 04/06/2016

Requested by: Mayor Hiremath & Councilmember Snider

Submitted By: Julie Bower, Town Clerk's Office

Department: Town Clerk's Office

Information

SUBJECT:

*Change of regular Council meeting date from Wednesday, May 18, 2016 to Thursday, May 19, 2016 (Item added on 3/31/16)

RECOMMENDATION:

N/A

EXECUTIVE SUMMARY:

At its regular meeting on December 2, 2015, the Council approved the 2016 regular Town Council meeting schedule which included a regular meeting scheduled for Wednesday, May 18, 2016. That date conflicts with high school graduation. Because there is business to conduct, Mayor Hiremath and Councilmember Snider are proposing that the regular meeting be moved to Thursday, May 19th. By taking formal action at tonight's Council meeting, the public is provided with sufficient notice of the change in date.

BACKGROUND OR DETAILED INFORMATION:

N/A

FISCAL IMPACT:

N/A

SUGGESTED MOTION:

I MOVE to (approve/deny) the change of date of the regular Council meeting from Wednesday, May 18, 2016 to Thursday, May 19, 2016.

Attachments

No file(s) attached.



Town Council Regular Session

Item # 1.

Meeting Date: 04/06/2016

Requested by: Gary Bridget

Submitted By: Gary Bridget, Human Resources

Department: Human Resources

Information

SUBJECT:

RESOLUTION NO. (R)16-14, APPROVING A MEMORANDUM OF UNDERSTANDING BETWEEN THE PUBLIC SAFETY EMPLOYEES AND THE TOWN OF ORO VALLEY PURSUANT TO CHAPTER 4, SECTION 4-1-8 OF THE TOWN CODE, PUBLIC SAFETY EMPLOYEE RELATIONS AND PROCESSES

RECOMMENDATION:

Staff recommends approval.

EXECUTIVE SUMMARY:

Presented herein is the Memorandum of Understanding (MOU) between the Town and the Town's Public Safety Employee Group that has been mutually agreed upon and signed by members of both negotiating groups. Upon approval, this MOU will be effective for the following two (2) fiscal years, July 1, 2016 through June 30, 2018.

Substantive changes from the current MOU include increases for on-call and shift differential pay; removing sick leave from the overtime calculation; and adding a cost share to the employee healthcare insurance premium.

BACKGROUND OR DETAILED INFORMATION:

In 2004, the Town Council adopted Ordinance No. (O)04-28, which established a "Meet and Confer" process for public safety employees. This ordinance was modified in November 2005 by Ordinance No. (O)05-44, which refined and clarified some of the language in the original ordinance. On March 3, 2014, the Town Council approved a modification of the ordinance by removing civilian positions from Town Code Chapter 4, Section 4-1-8 through Ordinance No. (O)14-03. This MOU marks the third time that the Town and the Public Safety Employee Group have mutually agreed to a multi-year MOU.

The MOU and its related attachments were developed by the Public Safety Negotiating Committee (PSNC) and the Management Negotiating Committee (MNC) after a series of meetings over the past few months. Both parties are in agreement as to the terms and conditions that are contained herein.

The PSNC's representation is determined by eligible employees within the Police Department and includes police officers with a rank of sergeant and below, as well as bailiffs. The following members of the Police Department negotiated the MOU on behalf of the Public Safety Employee Group:

- Marshall Morris, Lead Police Officer
- Kevin Mattocks, School Resource Officer
- Zack Young, Detective
- Daniel Hoyos, Lead Police Officer

The MNC membership was assigned by the Town Manager and includes the following employees:

- Gary M. Bridget, Human Resources Director
- Jason Larter, Police Commander
- Julie K. Bower, Town Clerk
- Chris Cornelison, Assistant to the Town Manager

The MNC negotiated with concurrence and guidance from the Town Manager, Finance Director, Police Chief, and Town Attorney.

The significant areas of change resulting from the meet and confer process are as follows:

- Increase to the on-call pay from the current \$1 per hour to \$1.25 per hour. There has been no increase to on-call pay since it was adopted to policy in 1999.
- Increase to the shift differential pay from the current \$1 per hour to \$1.50 per hour. The increase should attract more senior officers to volunteer for after-hours shifts.
- Removing sick leave from consideration when calculating overtime pay.
- Changing the members' medical insurance premium paid by the Town from 100 percent to 85 percent.

FISCAL IMPACT:

The fiscal impact projected with the negotiated changes to the MOU are as follows:

- On-call pay is utilized by several departments. Based upon activity from FY 2014/15, it is estimated that increasing on-call pay from \$1 to \$1.25 per hour will cost the Town an additional \$26,700 per year.
- Shift differential pay is utilized by the Police Department alone. Based upon activity from FY 2014/15, it is estimated that increasing shift differential pay from \$1 to \$1.50 per hour will cost the Town an additional \$24,700 per year.
- Based upon activity from this fiscal year, it is estimated that eliminating sick leave from the overtime calculation will save the Town an estimated \$9,000 per year.
- Based upon last year's healthcare benefits cost, reducing the employer paid premiums for employees from 100 percent to 85 percent would have saved the Town an estimated \$151,000 per year assuming premium amounts remained flat. However, our insurance provider, United Healthcare, is recommending a 5% premium increase for FY 2016/17; therefore, the net savings to the Town after this increase is factored is approximately \$54,000. In the FY 2016/17 Town Manager's Recommended Budget, this \$54,000 savings has been budgeted to cover the potential of higher claims in the Self-Insurance Benefit Fund. Should the Town's claims not reach the high levels seen during the past two years, those savings will add to the Benefit Fund's fund balance at year-end. Had this premium cost share of 85% not been implemented, the Town would have had to allocate new dollars to balance the Benefit Fund to meet the forecasted expenditure.

SUGGESTED MOTION:

I MOVE to (approve or deny) Resolution No. (R)16-14, approving a Memorandum of Understanding between public safety employees and the Town of Oro Valley pursuant to Chapter 4, Section 4-1-8 of the Town Code, Public Safety Employee Relations and Processes.

Attachments

(R)16-14 Public Safety Employees MOU
MOU FY 2016-2018

RESOLUTION NO. (R)16-14

A RESOLUTION OF THE MAYOR AND COUNCIL OF THE TOWN OF ORO VALLEY, ARIZONA, APPROVING A MEMORANDUM OF UNDERSTANDING BETWEEN PUBLIC SAFETY EMPLOYEES AND THE TOWN OF ORO VALLEY PURSUANT TO CHAPTER 4, SECTION 4-1-8 OF THE TOWN CODE, PUBLIC SAFETY EMPLOYEE RELATIONS AND PROCESSES

WHEREAS, the Town of Oro Valley is committed to the development and continuation of harmonious and cooperative relationships with all of its employees; and

WHEREAS, the Town recognizes the right of public safety employees to join employee associations which comply with the laws of Arizona and to present proposals and testimony to the Town Council, and not to be discharged, disciplined or discriminated against because of the exercise of those rights; and

WHEREAS, the continued smooth operation of the Police Department is of great benefit to the residents of Oro Valley and the general public; and

WHEREAS, in 2004 the Town Council adopted Ordinance No. (O) 04-28 which enacted Town Code Chapter 4, Section 4-1-8, Public Safety Employee Relations and Processes, establishing a meet and confer process for public safety employees and the Town, and on March 3, 2014, the Town Council approved the removal of civilian positions from Town Code Chapter 4, Section 4-1-8 through Ordinance No. (O) 14-03; and

WHEREAS, the Memorandum of Understanding, attached hereto as Exhibit "A" and incorporated herein by this reference, was negotiated between the Public Safety Negotiation Committee and the Town's Management Negotiation Committee in accordance with Chapter 4, Section 4-1-8, Public Safety Employee Relations and Processes.

NOW, THEREFORE, BE IT RESOLVED by the Mayor and Council of the Town of Oro Valley, Arizona, that the Memorandum of Understanding, attached hereto as Exhibit "A", between the Town of Oro Valley and Public Safety Employees is hereby approved.

BE IT FURTHER RESOLVED that the Agreement, attached as Exhibit "A", shall be effective for the period of July 1, 2016 through June 30, 2018.

PASSED AND ADOPTED by the Mayor and Town Council of the Town of Oro Valley, Arizona this 6th day of April, 2016.

TOWN OF ORO VALLEY

Dr. Satish I. Hiremath, Mayor

ATTEST:

APPROVED AS TO FORM:

Julie K. Bower, Town Clerk

Tobin Sidles, Legal Services Director

Date: _____

Date: _____

EXHIBIT “A”

**MEMORANDUM OF UNDERSTANDING
BETWEEN
PUBLIC SAFETY EMPLOYEES
AND THE
TOWN OF ORO VALLEY**

FOR THE PERIOD JULY 1, 2016 TO JUNE 30, 2018

Preamble

This Memorandum of Understanding exists between the Town of Oro Valley and the Public Safety Employee Group as provided for in Town of Oro Valley Ordinance (O) 05-44. We recognize the primary interest of all parties is to provide excellent service through partnerships that build trust, prevent crime and promote a safe environment to enhance the quality of life within our community. This Memorandum addresses the fact that the Town strives to provide for working conditions, wages and benefits in a consistent manner, as outlined in the Town of Oro Valley Personnel Policies and Procedures, while recognizing that there are additional considerations related to specific job positions. This Memorandum of Understanding will address those considerations and/or clarifications as they pertain to job positions of the Public Safety Employee Group.

Article I. Compensation

Section 1.01 Police officers and police officers assigned as lead officers, detectives, bailiffs, and sergeants are compensated pursuant to a Step Pay Plan (Attachment A) as approved by the Town Council for each fiscal year.

Section 1.02 These members, whose annual performance appraisals are approved by the Chief of Police, and whose performance appraisals indicate acceptable performance by at least meeting requirements/expectations in accordance with the current appraisal system ratings in effect at the time will be compensated at the next higher step plan rate for the position if approved by the Town Council each fiscal year.

Section 1.03 Detectives will receive annual performance reviews and compensation step increase consideration based on the anniversary date of their assignment as sworn police officers.

Section 1.04 Members will receive additional on-call pay at a rate of \$1.25 per hour in accordance with Town of Oro Valley Personnel Policies and Procedures, Policy 28-On-Call and emergency Call-Out Pay.

Section 1.05 Members will receive shift differential pay at a rate of \$1.50 per hour for regular scheduled hours worked between the hours of 1800 and 0600 hours. Members assigned to the midnight shift will receive the differential pay until 0630 hours. It is the member's responsibility to indicate hours subject to shift differential on payroll time sheets when the time sheets are submitted.

Section 1.06 Members will be compensated with overtime pay at a rate 1.5 times their regular hourly rate or accrue compensatory time pursuant to Town of Oro Valley Personnel Policies and Procedures, Policy 14-overtime.

Section 1.07 Paid leave time, except for sick leave, may be considered part of a member's normal work period for the calculation of overtime compensation as long as the paid leave time is not the same shift day as that for which overtime compensation is requested.

Section 1.08 However, if the member was called out during hours other than the member's regular hours of work on a day where paid leave time was used for normal work hours they may receive overtime compensation for the time worked related to the call out.

Section 1.09 Members who are called into work during hours other than the member's regular hours and/or days of work shall be compensated by two hours of overtime or the actual time spent working whichever is greater.

Section 1.10 If the member is called into work within 60 minutes of the completion of the member's normal work period, the member shall be compensated for overtime from the end of his or her normal work period until the member completes the assignment, is no longer required, or goes off-duty.

Section 1.11 If a member's normal work period begins within the two hour period of being called into duty, the overtime shall be compensated from the call in time to the beginning of the normal work period.

Section 1.12 Members who are required to attend any pretrial hearing, Motor Vehicle Division hearing, civil or criminal trial to carry out the member's departmental duty during hours other than the member's regular hours and/or days of work shall be compensated by three hours of overtime or the actual time spent in attendance, whichever is greater.

Section 1.13 If the attendance is required within 60 minutes of the member's normal work period, the member shall be compensated for overtime from the end of his or her normal work period to the end of the required appearance.

Section 1.14 If a member's normal work period begins within the three hour period of a required appearance, the overtime shall be compensated from the appearance time to the beginning of the normal work period.

Section 1.15 Members who are required to attend additional hearings or trials in one day shall not receive a second minimum 3-hour period of overtime compensation unless the additional appearance is required more than 60 minutes from the end of the three hour period or release from previous required appearance, whichever is later.

Section 1.16 For attorney interviews, all interviews conducted via telephone shall be compensated by a minimum one hour of overtime, regardless of location of the telephone call. In person attorney interviews shall be compensated by a minimum two hours of overtime, regardless of location of the interview.

Section 1.17 Members in certified peace officer positions will be compensated for a 30 minute meal period as part of their regular work period as long as these members remain available to immediately respond to provide service when necessary during the meal period.

Section 1.18 For the Fiscal Year 2016/2017 officers who receive a "Successful" or "Outstanding" on their 2016/2017 employee performance evaluation will receive one step increase on their anniversary date.

Section 1.19 For the Fiscal Year 2017/2018 officers who receive a "Successful" or "Outstanding" on their 2017/2018 employee performance evaluation will receive one step increase on their anniversary date.

Article II. Work schedules

Section 2.01 Members' work week will remain flexible and assigned by Department management to best meet the needs of the Town.

Section 2.02 Work schedules for uniformed patrol assignments will be four consecutive days of ten hours with a regularly scheduled minimum of eight hours rest period between shifts.

Section 2.03 Adjustments to the regular work schedule may be made by supervisors to address court appearances, training requirements, deployment shortages, regular shift change conflicts, and other special needs of the member or department.

Section 2.04 The basic four consecutive days of ten hours scheduling for uniformed patrol assignments will only be changed through direction of the Chief of Police based on critical need to provide service.

Article III. Retirement Benefits

Section 3.01 Members eligible for the Public Safety Personnel Retirement system (P.S.P.R.S. 20 year retirement plan for certified peace officers) or the Arizona State Retirement System shall contribute a percentage of their salary and the Town shall contribute an additional percentage of the member's salary as outlined in the Arizona Revised Statutes. Percentages may fluctuate annually depending on actions of the State of Arizona.

Section 3.02 Members who elect to "drop" in the Public Safety Personnel Retirement system receive an additional percentage contribution of the member's salary from the Town commensurate with the current rate of employer contribution for Arizona State Retirement System members (which percentages may fluctuate annually depending on actions of the State of Arizona) into a "457" deferred compensation plan for the member.

Section 3.03 Additional Retirement Benefit/Duty Weapon Purchase Request. A member who retires from a certified Peace Officer position with 10 or more years of service with the Oro Valley Police Department with the P.S.P.R.S. or equivalent secondary retirement benefits, is eligible to make a request by memorandum to the Chief of Police for purchase of a specific issued duty weapon for \$1.00 as authorized under Arizona Revised Statute 38-1115.

Section 3.04 If such request is approved by the Chief of Police, the member shall present the memorandum endorsed by the Chief to property section personnel, along with the \$1.00 payment receipt, to obtain the weapon.

Section 3.05 Property section personnel will complete a property sheet and obtain the signature of the retiring officer receiving the weapon.

Article IV. Uniforms and Equipment

Section 4.01 Members in certified peace officer positions will receive \$1,200 annually in quarterly payments of \$300 after the first year of service. New officers receive a \$1,200 lump sum payment upon hire to purchase and maintain uniforms, clothing and equipment sufficient to comply with OVPD Policy 1024.

Section 4.02 Members in certified peace officer positions will receive a stipend toward the purchase of a ballistic vest of their choice every five years. The vest must meet or exceed National Institute of Justice Standards 0101.03 and 0101.04, "*Ballistic Resistance of Personal Body Armor*".

Section 4.03 Members in certified peace officer positions will be issued a duty weapon, duty belt, chemical defense agent, baton, pocket recorder and duty belt accessories to carry equipment normally carried on the duty belt. Other specialty equipment may be issued to members as approved by the Chief of Police.

Section 4.04 If a newly hired certified peace officer terminates employment with the Town of Oro Valley for any reason within the first 12 months after their date of hire, a pro-rated portion (calculated as a percentage of days employed out of a total 365 calendar year days) of the original \$1,200 uniform allowance advance will be owed to the Town and shall be deducted from the employee's final paycheck.

Section 4.05 A member who receives uniform allowance and must spend over the \$1,200 uniform allowance, in any year of service to maintain compliance with OVPD Policies, for the repair or replacement of uniforms, clothing, and equipment items damaged, lost or stolen in the performance of assigned duty without fault or negligence of the member shall be reimbursed by the Town for those costs over \$1,200 when documentation of the loss and additional costs are provided and the Chief of Police approves the reimbursement.

Article V. Notice of Proposed Additions or Changes to Personnel Policies and Procedures

Section 5.01 It is understood that policy and procedures are operational matters reserved to management discretion.

Section 5.02 At any time the Town may propose to the Town Council changes or additions to the Town of Oro Valley Personnel Policies and Procedures that could potentially affect wages, benefits, hours, safety regulations and/or other working conditions of the public safety employee group, which have not been issues subject to the meet and confer process related to the current Memorandum of Understanding.

Section 5.03 Should the Town propose such additions or changes the Town will notify the most recent members of the Public Safety Negotiation Committee (PSNC) of any proposed additions or changes to these policies and procedures to allow the opportunity for the PSNC to provide input to management or the Council on the proposed changes or additions.

Section 5.04 Notification to the PSNC will be no later than the date listed for "council Packets Distributed by the Clerk's Office" (generally approximately 7 days prior to the Council meeting).

Members designated by the Public Safety Negotiations Committee will be added to the email distribution list that transmits the Town Council Agenda Management Report from the Town Clerk's Department.

Article VI. Off Duty Employment Coordination and Indemnification

Section 6.01 The Town agrees to coordinate all off duty employment opportunities for members, and further agrees to completely indemnify members who are engaged in such off duty employment.

Section 6.02 The off duty employers shall provide proof of liability insurance as required by the Chief of Police to the Town.

Section 6.03 The Town shall post all off duty opportunities within the Police Department, and/or notify all members of such off duty employment opportunities via text or email.

Article VII. Sick Leave Payout for Spouses and Dependents of Officers Who Die While Performing Police Duties

Section 7.01 The Town agrees to pay 50% of the officer's sick leave hours that have accrued above 480 hours to the surviving spouse and all dependents of an officer who dies as a direct result of performing police duties.

Section 7.02 This sick leave payout is independent of any other life insurance payouts or other benefits paid out to the officer's beneficiaries by the Town.

Article VIII. Oro Valley Police Department Member Benefits

Section 8.01 In addition to the Member benefits described herein, there is a current list of Member benefits and/or working conditions provided through the Town of Oro Valley (Attachment B).

Article IX. Mid-contract Negotiations

Section 9.01 Either Party can initiate negotiations by notifying the other Party in writing.

Signed and dated:

Public Safety Negotiation Committee:



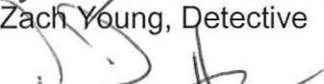
Marshall Morris, Officer



Kevin Mattocks, School Resource Officer



Zach Young, Detective

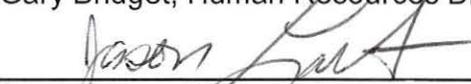


Daniel Hoyos, Lead Patrol Officer

Management Negotiation Committee:



Gary Bridget, Human Resources Director



Jason Larter, Commander



Julie K. Bower, Town Clerk



Chris Cornelison, Asst. to Town Manager

Attachment B

List of Public Safety Employee group member benefits and/or working conditions in addition to those described in the proposed Memorandum of Understanding which will be effective July 1, 2016 through June 30, 2018.

1. Compressed and/or flexible work week, where practical, for many assignments.
2. Assigned take home vehicles at the discretion of the Police Chief.
3. Paid Holidays [currently 13 (thirteen) per year – 12 (twelve) @ double time if worked/ 1 (one) birthday off], and any additional holidays that may be approved by the Town Council.
4. Leave benefits as outlined in Town policy.
5. Eighty-five percent of the members' medical insurance premium paid by the Town based on wellness program participation. A \$10 per pay period premium would be charged to any employee who did not participate in the Town's biometric program, once the program is initiated.
6. No less than eighty percent (80%) of the additional monthly premium cost for members' dependent medical insurance premium paid by Town.
7. One hundred percent of the members' dental insurance premium paid by the Town.
8. No less than eighty percent (80%) of the additional monthly premium cost for members' dependent dental insurance premium paid by the Town.
9. Retired members have the option of continuing medical insurance coverage at a rate made available to them through participation of the Town in rate negotiations. This includes members retired due to early, regular or disability who are not eligible for Medicare.
10. One hundred percent of Life Insurance premium paid by the Town for a policy that pays out one year of the member' salary.
11. Supplemental Life Insurance available for member where member may purchase additional Life Insurance up to five times the member's annual salary at a rate made available to them through participation of the Town in rate negotiations.
12. Supplemental Life Insurance available for spouse and children at a rate made available to them through participation of the Town in rate negotiations.
13. One hundred percent of the member's long-term disability insurance premium is paid by Town for non-A.S.R.S. participant members.
14. One hundred percent of the members' mid-term (bridge) disability insurance premium paid by the Town.
15. One hundred percent of the members' workers compensation insurance premium is paid by the Town.
16. Extensive employee assistance program (EAP) is paid by the Town.
17. Members will be eligible to participate in Tuition Reimbursement as allowed per Personnel Policy 19.
18. Town sponsored "section 125 plan" (Pre-Tax contributions for medical/dental/supplemental life insurance premiums).

19. Town sponsored "Section 125 Plan" (Pre-Tax contribution for Dependent Care Reimbursement Accounts up to five thousand dollars per year).
20. Town sponsored 457 Deferred Compensation Plans (Pre-Tax contributions).
21. Town sponsored supplemental insurance products.
22. Supplemental Vision Care Benefits.
23. Supplemental Commuter insurance paid by Town through AMRRP.
24. Town administered payroll deduction for OVPOA/FOP/100 Club.
25. Members assigned to certain assignments within the department may receive special assignment pay at the direction of the Chief of Police.

Additional detailed information related to the above-mentioned benefits is available from the Town of Oro Valley Human Resources Department.



Town Council Regular Session

Item # 2.

Meeting Date: 04/06/2016

Requested by: Stacey Lemos

Submitted By: Stacey Lemos, Finance

Department: Finance

Information

SUBJECT:

PRESENTATION OF TOWN MANAGER'S RECOMMENDED BUDGET FOR FISCAL YEAR 2016/17
(FY 2016/17 Recommended Budget Document added on 4/6/16 at 12:30 p.m.)

RECOMMENDATION:

This item is for presentation and discussion.

EXECUTIVE SUMMARY:

The Council packet materials for the Town Manager's Recommended Budget presentation will be delivered prior to the April 6 meeting.

BACKGROUND OR DETAILED INFORMATION:

N/A

FISCAL IMPACT:

N/A

SUGGESTED MOTION:

This item is for presentation and discussion.

Attachments

Town Manager's Recommended Budget FY 2016/17



Manager's
Recommended Budget
FY2016-17

Town of Oro Valley



April 6, 2016

To the Honorable Mayor and Town Council:

One of the primary duties of the Town Manager is to prepare and present a balanced annual budget. The budget represents the allocation of resources to achieve the goals identified in the adopted Strategic Plan and the voter-approved General Plan.

It is my privilege and pleasure to present Town Council with the Town Manager's Recommended Budget for fiscal year 2016/17 in the amount of \$117.4 million, a \$2.3 million, or 1.9%, decrease from the Adopted FY 2015/16 Budget totaling \$119.7 million.

During the 2014/15 fiscal year, Town Council updated its two-year Strategic Plan, and the guiding principles in this document were used to develop the budget last year and for the FY 2016/17 Recommended Budget. The 2015 Strategic Plan is organized around the framework of the following five (5) focus areas. These focus areas, if addressed collectively, assist the Town in achieving its mission.

- Fiscal Responsibility
- Communication
- Economic Development
- Parks, Recreation, and Cultural Development
- Community Infrastructure and Services

FISCAL RESPONSIBILITY

Fiscal responsibility is paramount to the operations at the Town of Oro Valley. We have been fiscally prudent for years and have taken operational savings and reinvested in technology and capital improvements to improve service to the community. We continue to use one-time revenues only for one-time expenses. This allows us to quickly adapt to a changing environment without impacts to service delivery that the community has grown accustomed to expect. We continue to "live within our means" on an operational basis, only using ongoing revenues to support ongoing expenses.

Growth Projections

Critical to our success in this area is the preparation of realistic growth assumptions that help guide our revenue projections. We continue to see modest economic growth in Oro Valley and the region. The projected residential development is considerable over the next five-year period; however, it will be spread out more than originally projected as we saw the production of homes going vertical at a slower pace than projected in the last few years. Currently, there is an

inventory of nearly 1,400 residential lots available in residential developments under construction town-wide. In FY 2015/16, we estimated that 200 single family residential (SFR) building permits would be issued; however, this number was revised down to 165 for year-end. The FY 2016/17 Recommended Budget includes the assumption that 230 SFRs will be issued during the year as many developments have made their way through the planning and approval process and are now ready to build.

The Recommended Budget reflects continued modest growth in commercial activity with some new construction and tenant improvements of previously-vacant space. Two significant development projects in this category have been included in the revenue estimates for FY 2016/17: the new Amphi K-5 STEM school in Rancho Vistoso, and the All Seasons Memory Care facility in the Innovation Corporate Center.

Based on these growth assumptions, the FY 2016/17 Recommended Budget includes the transfer of one-time revenues totaling \$1.5 million from the General Fund to the General Government CIP Fund for capital projects.

Staffing and Compensation

With the adjustments to employee compensation through the last several budgets, the organization is less likely to see employees leave strictly for compensation reasons. As a result, scarce funding is not spent on training new employees. Employee turnover can be very costly for an organization. The FY 2016/17 Recommended Budget continues the commitment to recognize the efforts of our Town employees with capacity included of approximately \$445,000 for public safety employee step increases and up to a 4% performance merit increase for non-public safety employees.

In addition, as part of the renewal of the Public Safety Memorandum of Understanding (MOU) for another two-year period beginning July 1, 2016 through June 30, 2018, the amount paid for on-call pay will increase from \$1 to \$1.25 per hour. This increase will apply to all departments in our organization who utilize on-call pay. Additionally, the amount paid for shift differential pay, which is utilized by just the Police Department, will increase from \$1 to \$1.50 per hour. The estimated cost impact of both of these changes is approximately \$60,000 and has been included in the FY 2016/17 Recommended Budget.

As you may recall, the organization reduced staffing over the recessionary period without major modifications to our service or program delivery. We continue to make significant investments in public safety, transportation and pavement preservation, parks and recreation, and water delivery. We provide these services with a very streamlined, efficient and well-trained work force.

One of the biggest challenges for the organization is that services and program expectations are outpacing our ability to increase staffing levels. Our staff has been “doing more with less” for several years now, and this is not sustainable in the long term. In the short term, staff is committed to providing the highest level of service with the current staffing levels. We are seeing increases in a variety of workload indicators. We have the ability to provide the current level of services and programs to the community with the resources we have; however, community expectations do not remain stagnant. This is where the challenge for management is created.

The Town of Oro Valley provides services and programs that are required by law and expected by the community members. The delivery of high-quality services and programs are a direct result of strong leadership and the Town's expert staff members.

During the recession, the Town reduced staff considerably. At its peak in FY 2008/09, the adopted budget included 389 full-time equivalent (FTE) positions. The FY 2016/17 Recommended Budget includes a total of 374.18 authorized FTE positions. The Town has also reduced full-time, benefited positions from 332 in FY 2008/09, to 305 in the FY 2016/17 Recommended Budget.

The following paragraphs highlight the personnel requests in the FY 2016/17 Recommended Budget:

In the Community Development & Public Works (CDPW) Department (formerly the DIS Department), two additional construction inspectors and a construction clerk are proposed in the PAG/RTA Fund to assist with the large volume of Pima Association of Governments (PAG) and Regional Transportation Authority (RTA)-funded Town roadway construction projects on the horizon. These are temporary positions, costing approximately \$158,000, and will be fully funded by project proceeds from PAG and the RTA. These positions will terminate when the projects are completed. In the Water Utility, an engineering division manager position has been eliminated, and two operational positions have been added, resulting in a slight overall cost savings to the Water Utility fund of approximately \$17,000.

In FY 2015/16, we eliminated two (2) vacant, full-time park maintenance positions. The funding for these two positions was allocated to an outsourced maintenance company in a pilot program. The pilot program of outsourcing some park maintenance functions proved unsuccessful. The contracted market rate was higher than the rate paid to Town employees; therefore, we saw less production of work from this outsourcing. In the 2016/17 budget, we have included the request to return the two positions to our park maintenance operations. Additionally, in the second half of the 2015/16 year, we implemented a minor reorganization moving park maintenance under the management of the CDPW Department. Now all maintenance, whether building, streets or parks, is under the same department, which has already created efficiencies. As a result of this reorganization, the reclassification of two positions, park maintenance superintendent and street maintenance superintendent, is included in the Recommended Budget at a minor cost of \$8,900.

Additionally, we have requested three (3) heavy equipment operator positions in the Recommended Budget. These are temporary, full-time benefited positions that are tied to two projects: 1) the construction of additional fields at Naranja Park, and 2) cart path improvements for the golf course at the Oro Valley Community Center. These three positions are directly connected to these two projects and will be eliminated when the projects are complete. The cost of these positions, approximately \$172,000, is allocated between the General Government CIP Fund and the Community Center Fund. We have utilized this approach for capital projects before and found it very effective both from a cost and production perspective.

After years of trending low in our health claims costs, we have seen a spike in these costs during the last few years. The FY 2016/17 Recommended Budget includes a 5% health insurance premium increase for both the employee and town contributions. It is expected that annual, incremental increases will continue over the next few years in order to adequately prepare for possible future large claims.

Another change proposed for FY 2016/17 impacts the employee-only cost share for health insurance. Historically, the employee-only coverage has been covered 100% by the Town. This year, we are recommending a cost share of 85% Town-paid and 15% employee-paid. This cost share change impacts all categories of coverage because the employee-only coverage is used as the foundation for all dependent coverage categories. By reducing the Town-paid premiums for employees from 100% to 85%, the Town would have saved an estimated \$151,000 annually assuming premiums remained flat. With the proposed 5% premium increase factored in, the net savings to the Town is approximately \$54,000. In the FY 2016/17 Recommended Budget, this \$54,000 savings has been budgeted to cover the potential of higher claims in the Benefit Self-Insurance Fund. Should the Town's claims not reach the high levels seen during the past two years, those savings will add to the contingency reserve balance of the Benefit Self-Insurance Fund at year-end. Had this premium cost share of 85%/15% not been implemented, the Town would have had to allocate new dollars to balance the Benefit Self-Insurance Fund to meet the forecasted expenditures.

Over the last few years, the Town has implemented proactive approaches to managing employee health care, including the on-site health clinic and wellness programs. Additionally, the employees have become very engaged in their health and are becoming wise consumers. This trend will serve the Town and the employees well into the future.

Please refer to the attached **Exhibit A** for a full breakdown by fund of personnel increases included in the FY 2016/17 Recommended Budget.

Please refer to the attached **Exhibit B** for a detailed description of FTE changes from the FY 15/16 Adopted Budget to the FY 16/17 Recommended Budget.

Vehicle and Computer Replacement

Fiscal responsibility also requires the discipline to develop and fund a vehicle replacement program, which we began back in FY 2012/13 in order to reduce one-time expense shocks to the budget. More specifically, when we purchase a vehicle, the following year we begin to set aside funding to replace that vehicle when it completes its lifecycle. The FY 2016/17 Recommended Budget includes \$285,000 set aside in the Fleet Fund for the future replacement of vehicles.

The budget also includes the replacement of seven (7) marked police vehicles; three (3) unmarked police vehicles; three (3) vehicles for CDPW operations; and matching funds for five (5) grant-funded Transit vehicles at a total budgeted cost of \$636,600. The Water Utility will replace five (5) vehicles at a budgeted cost of \$164,000.

The Recommended Budget also includes \$125,500 for the replacement of desktop computers, servers and mobile data computers to ensure that Town employees have the appropriate tools to do their jobs.

COMMUNICATION

Communication is critical to educating and informing the community about the activities of the Town. We continue to support the mailing of the *Oro Valley Vista*, the Town's newsletter. In recent years, we revamped the *Vista* to a bi-monthly publication and budgeted for the dissemination via the Town's water bill, which has been widely recognized as an improved

method of communicating with residents. The FY 2016/17 Recommended Budget includes \$12,500 to continue production on a bi-monthly basis.

To further promote community awareness of the activities and membership opportunities at the Oro Valley Community Center through ads and print media, the Community Center Fund includes \$27,000 for marketing and advertising efforts for FY 2016/17, a \$12,000 increase from the amount allocated in FY 2015/16.

The Communications Division, in partnership with the IT Department, is developing a new employee intranet - *Inside OV* – to improve internal communications and efficiencies. Additionally, beginning FY 2016/17, Communications staff will develop a new public website to replace www.elconquistadorcc.com, which is the current portal to booking golf tee times, tennis reservations and Overlook restaurant reservations. The new website will provide these same critical functions while bearing the Town of Oro Valley's name and brand. Both websites will be developed and managed entirely by in-house staff.

The Communications Division, Parks and Recreation and the Police Department continue to utilize social media in an effort to promote events, activities and community engagement. The Town continues to invest in the Town's website, which has seen significant increased traffic since the redesign. These improvements are all accomplished through internal resources.

Face-to-face interaction with residents continues to be a critical component to communication. In the Police Department, programs such as Coffee with a Cop, Adopt-A-Business program, and the Citizens Police Academy continue to keep the Police Department engaged with the community and the community engaged with the Police Department. The Town also invests considerable resources into communicating via neighborhood meetings and homeowner association meetings. This investment has proven beneficial to maintaining two-way dialogue with residents. In partnership with the Greater Oro Valley Chamber of Commerce, a Coffee with the Mayor and Manager was introduced in FY 2015/16 and will continue in FY 2016/17.

The Town continues the process of updating the General Plan, which is expected to go before voters in November 2016. The public outreach efforts on this project have won awards for the extensive, comprehensive approach that has been underway for the past two years. We continue our development of this important document and have had overwhelming community involvement. The FY 2016/17 Recommended Budget includes \$77,000 to support these update efforts.

ECONOMIC DEVELOPMENT

Economic development is the effort towards investing in our business sector, which will help create a vibrant community. The Town has a successful track record of recruiting and retaining primary employers. Additionally, the Town has built an excellent reputation as a community where bioscience and high-technology companies want to locate. We continue to work with the Arizona Commerce Authority and Sun Corridor Inc. (formerly known as Tucson Regional Economic Opportunities) to assist us in our efforts.

Another important component to economic development is business retention and attraction. We have seen some recent retention efforts pay off and will continue to invest resources in this area. The Town also values its partnership with the Greater Oro Valley Chamber of Commerce, and the FY 2016/17 Recommended Budget includes \$30,000 from the Bed Tax Fund to support this partnership.

The Town has made great progress in becoming a place to locate a business. In many cases, successful businesses in the metropolitan area are looking for additional locations to expand, and Oro Valley is their destination. We continue to work closely with businesses through our “shop local” campaigns. Oro Valley Dollars, the buy local gift card, continues to serve as a great tool for buying local and has proven to be a great way to encourage local spending for tourists visiting for local events.

Tourism continues to be an important part of the Town’s brand and our revenue stream. We have budgeted capacity to increase the funding of Visit Tucson to \$250,000 in FY 2016/17, up from \$215,000 in the 2015/16 budget year. This increase was approved by Town Council in the spring of 2015 as part of a three year agreement with Visit Tucson, who serves as the regional visitor’s bureau that markets the entire area. Visit Tucson has been a great partner with the Town as we look to meet our strategic goal of developing and attracting youth and amateur sporting events. They continue to create opportunities for events at the Aquatic Center and will certainly play a role in scheduling events at the Community and Recreation Center.

PARKS, RECREATION, AND CULTURAL DEVELOPMENT

Parks, recreation, and cultural development is an area of significant increased investment over recent years. Since the authorization of \$5 million for the Aquatic Center expansion in 2011/12, we have continued to add facilities, programs and events under the management of the Parks and Recreation Department.

Last year, the largest addition to this function was the Oro Valley Community Center. A new division within the Parks and Recreation Department was created with over \$8 million in operational and capital expenses and accompanying revenues of over \$7.4 million, including the 0.5% dedicated sales tax revenues, which are projected to be \$2.1 million for FY 2016/17. These operations are accounted for in a separate fund, the Community Center Fund. The second of three annual payments (\$350,000) toward the \$1 million acquisition cost is included in the General Government CIP Fund in the FY 2016/17 Recommended Budget. Several significant capital projects are planned for FY 2016/17 totaling \$596,000.

The Recommended Budget includes funding to continue several successful public-non-profit partnerships in this area. In FY 2014/15, the Town funded a \$200,000 one-time startup capital contribution to Children’s Museum Oro Valley, and \$37,500 in operational contribution. For 2016/17, we have planned for the continued annual contribution of \$75,000 for the museum. To further promote arts and culture in Oro Valley, our partnership with the Southern Arizona Arts & Cultural Alliance (SAACA) will continue with funding of \$32,550 included in the budget. This funding will continue to support the concert events at Oro Valley Marketplace, the Oro Valley Community Center and Steam Pump Ranch, as well as the Just for Kids Concert Series. Additional programming next year by SAACA includes the Oro Valley Festival of the Arts and the Cruise, BBQ and Blues Classic Car Show.

Other FY 2016/17 recommended investments in our parks and recreation facilities include the following:

- Two new unlit multi-use (soccer) fields at Naranja Park (\$350,000) - (1st year cost of 2-year project)
- Community Center ADA Improvements (\$331,000)
- Community Center Family/Teen Area (\$65,000)

- Tennis Court Improvements (\$75,000)
- Golf Course Pump Station Improvements (\$75,000)
- Golf Cart Path Improvements (\$50,000)
- Aquatic Center Pool Heaters (\$148,000)

COMMUNITY INFRASTRUCTURE AND SERVICES

All Town functions contribute to the overall quality of life for residents. From our recognized Police Department to the top-notch Water Utility, and everything in between, these services contribute to what makes Oro Valley a special place for residents to call home. The Town performed well during the recession because of its commitment to maintaining service levels in the Town's four primary service areas: Public Safety, Transportation, Water, and Parks and Recreation. Because we held true to these four primary service areas, these areas are now recognized for their exceptional service and programs provided to the community. The Town's strength in the delivery of community services has led to sustained activity in building development and economic development. The refocus, and streamlining, of the development process has placed Oro Valley on the map for the development community. The development community continues to see Oro Valley as a place to invest and do business.

The Town's departments on the front lines of programming and service delivery plan to continue the high quality the community has grown to expect. The operational departments are supported by internal service departments, such as Human Resources, Information Technology, Finance, Legal Services, etc. These internal service departments are the backbone of the organization and have seen significant reductions in staffing. They continue to support the organization as we continue to push ourselves to outperform our previous service levels.

The Town has earned a great reputation for our excellent roadway system. Several major road improvements will impact our community over the coming years with funds included in the FY 2016/17 Recommended Budget from PAG and the RTA. These include the following:

- Widening of La Cholla Blvd., from Lambert Lane to Tangerine Rd. (\$1.5M)
- Widening of Tangerine Rd., from La Cañada Dr. to Shannon Rd. (\$2.7M)
- Widening of Lambert Lane, from La Cañada Dr. to La Cholla Blvd. (\$6.5M)

The 2016/17 Recommended Budget also includes \$1.15 million in the Highway Fund for the Pavement Preservation Program.

The Town continues its successful partnership with the Pima County Library District for the operation of the Oro Valley Public Library. With the expanded hours and increased patronship at the library, having ample parking capacity to meet the needs has become challenging. The Town retained responsibility for maintaining the library parking lot in the intergovernmental agreement (IGA) with the Library District; therefore, the FY 2016/17 Recommended Budget includes funding of \$187,000 to expand the parking areas around the library to be paid with Town library impact fees (\$37,000) and donated funds from the Friends of the Oro Valley Public Library (\$150,000).

Other significant community infrastructure projects funded in the FY 2016/17 Recommended Budget include the following:

- Police Evidence and Substation Facility (\$1,945,000)

- Community Center Facility Improvements (\$596,000)
- 680 Calle Concordia Facility Improvements (\$50,000)

New Initiatives

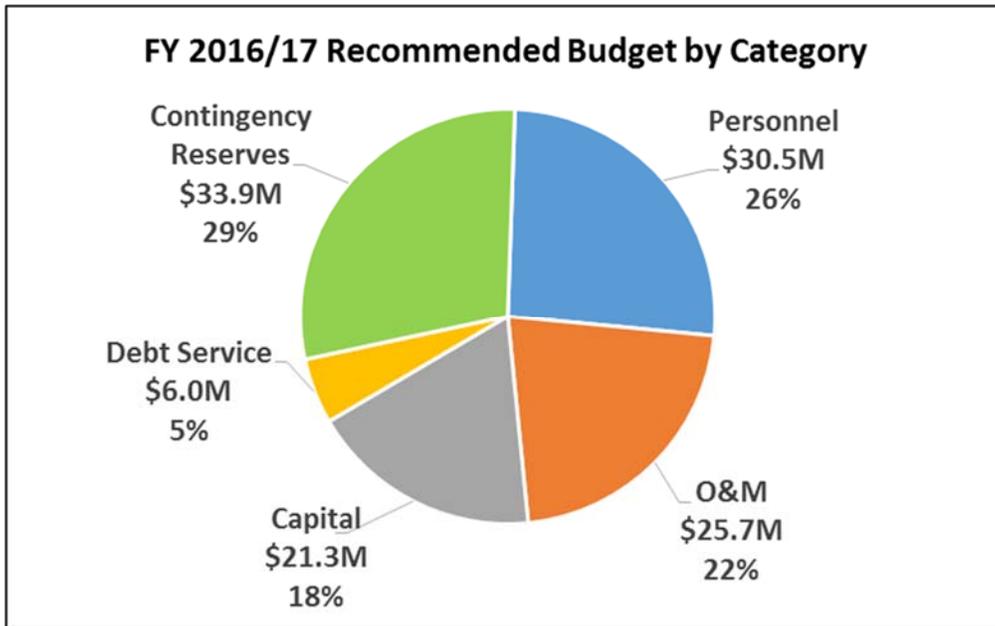
In recent years, we heard interest from the soccer community to oversee our parks during the winter season. In 2014/15, we implemented a pilot program of overseeding the grass at Riverfront Park in the winter months. This was very well received by the user groups, so we continued the overseeding at Riverfront Park and expanded the program to Naranja Park in 2015/16. The overseeding of these two parks is now standard operation for the Town, which requires additional labor to maintain the winter turf and increased water costs for irrigation. As a result, the Recommended Budget includes \$50,000 for overseeding at both parks.

We have proposed to change the name of the Development and Infrastructure Services (DIS) Department to Community Development and Public Works (CDPW). The DIS Department has two distinct functions: 1) Infrastructure Services – which is typically called Public Works in most municipal agencies, and 2) Development Services – which is typically called Community Development. We have found that DIS is confusing to the Town’s users (residents, businesses, vendors, the development community, etc.). We believe these traditional names will serve our customers well. The Town used these traditional department names for years, and they were well understood. There are no additional changes associated with this name change, as it is merely a name change, and it remains one department.

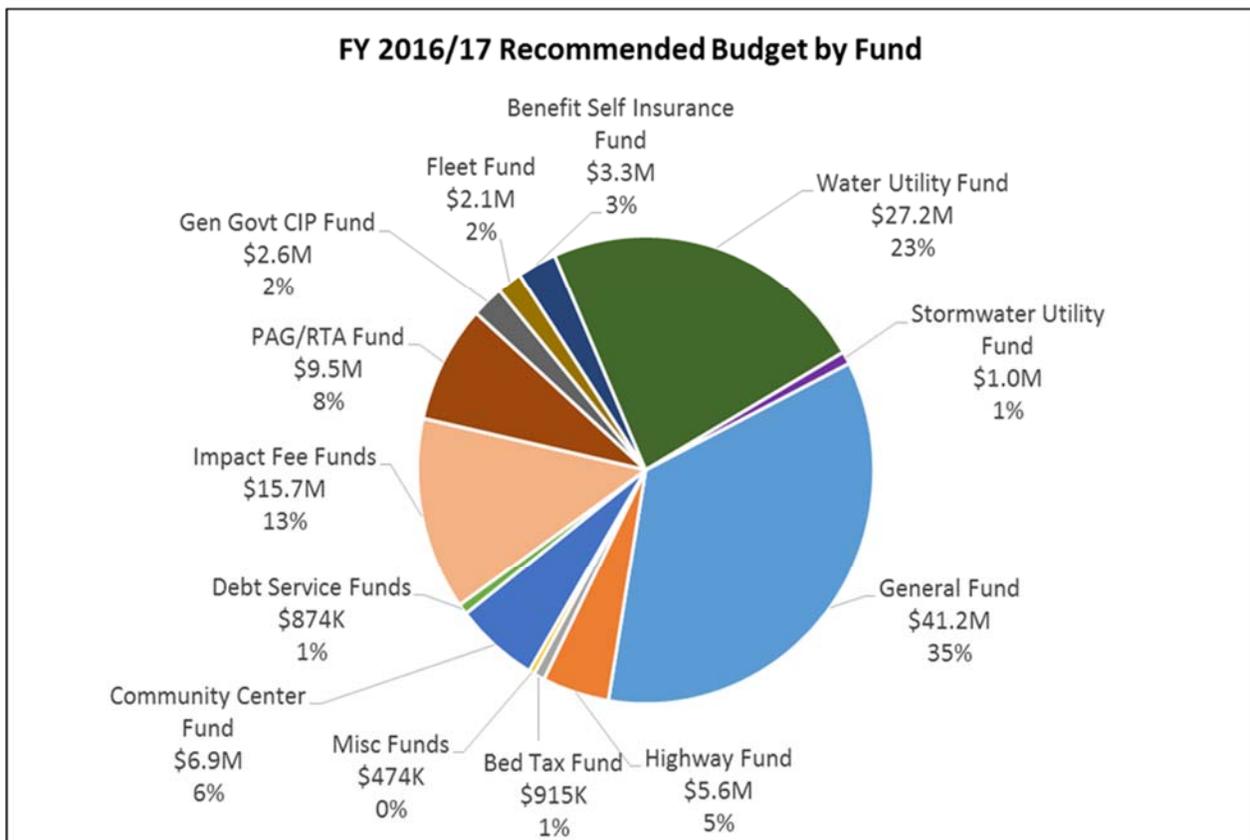
Funding of \$15,000 is also included in the Recommended Budget for video conferencing equipment to establish an “alternative to jail” program in partnership with Tucson City Court. This program includes establishing a video link to a Tucson City Court judge who will review arrest warrants to determine whether the defendants should be booked into jail or released with a new court date. This is intended to reduce both incarceration costs to the Town, as well as police transport time to and from the Pima County Jail.

Financial Overview

The following section offers an overview of the main funds of the Recommended Budget, while the chart below displays the Recommended Budget of \$117.4 million by category.



The following sections will cover various budget highlights from each of the Town's major funds, while the chart below depicts the Recommended Budget by Fund.



General Fund Highlights

The recommended General Fund budget totals \$33.1 million (excluding contingency reserves of \$10 million and including interfund transfers of \$1.8 million), and is 3.2%, or \$1.0 million, more than the current year revised budget of \$32.1 million. The General Fund is balanced with revenues exceeding expenditures resulting in a surplus of \$56,729. This surplus is due to one-time revenues.

The following are key revenue provisions included in the recommended General Fund budget:

- Total FY 2016/17 General Fund revenues are \$979,000, or 3.0%, higher than FY 2015/16 budgeted General Fund revenues.
- FY 2016/17 local sales taxes are \$302,000, or 2.0%, higher than FY 2015/16 budget amounts with increased revenues projected mainly from construction activity.
- License and permit revenues are \$149,000, or 8.4%, lower than FY 2015/16 budget amounts, reflective of projected commercial and residential building permit activity.
- \$1,266,000 is budgeted for transit service reimbursement from the RTA.
- There is an overall increase of 3.8%, or approximately \$396,000, in state-shared revenues.
- The provisions include a transfer of \$185,000 from the Bed Tax Fund, consisting of \$150,000 to fund the incremental increased cost of the expanded Aquatic Center, plus \$35,000 as the fourth of 15 annual repayments to the General Fund contingency reserves used for financing the construction of the Aquatic Center.
- The provisions include a transfer of \$120,000 from the Community Center Fund as the second of ten annual repayments to the General Fund used to fund community center and golf course operations during FY 2016/17.

The following are key expenditure provisions included in the recommended General Fund budget:

- The provisions include funding for merit and step increases for eligible employees at an estimated cost of \$338,000.
- Health insurance premiums are programmed to increase 5% for FY 2016/17.
- Department operations and maintenance budgets are slightly higher by 1.2%, or \$91,000, than adopted FY 2015/16 levels.
- There is a transfer of \$1.5 million to the General Government CIP Fund for capital projects.

The estimated year-end contingency reserve balance in the General Fund for FY 2016/17 is \$10.0 million, which equals 30% of the recommended expenditure budget. The Town's adopted policy level is 25%.

Highway Fund Highlights

Proposed Highway Fund revenues total \$3.6 million, which are higher by \$387,000, or 12.1%, than the current adopted budget amount. Highway Fund revenues include a \$100,000 transfer from the General Fund to subsidize the pavement preservation program, as well as \$195,000 in PAG and RTA reimbursements for contract administration of roadway projects. Budgeted

expenditures in the Highway Fund total approximately \$4.7 million, which includes a budget of \$1.15 million for pavement preservation and \$475,000 for other CIP projects as outlined in the CIP section of the Recommended Budget document. This fund is balanced with a planned use of contingency reserves of approximately \$1.1 million. The estimated year-end contingency reserve balance is \$878,000.

Bed Tax Fund Highlights

It is estimated that the Town's 6% bed tax collections will increase roughly 15%, or \$141,000, over the current year budget of \$945,000, following completed renovations of a major hotel, as well as continued growth in the tourism sector. Funding is included for Visit Tucson (\$250,000) and the Greater Oro Valley Chamber of Commerce (\$30,000). Funding for arts and cultural events is also included at \$32,550 for SAACA to continue the programming mentioned earlier. Funding in the amount of \$185,000 will be transferred into the General Fund to pay for the estimated incremental cost increase for the expanded Aquatic Center (\$150,000), plus the fourth of 15 annual payments of \$35,000 to repay the General Fund contingency reserves borrowed for financing facility construction. Finally, an amount of \$100,000 is budgeted as a transfer to the General Government CIP Fund to be used toward the construction of the two new, unlit multi-use fields at Naranja Park. The estimated year-end contingency reserve balance is \$230,000.

Water Utility Fund Highlights

Revenues in the Water Utility Fund are estimated at \$15.1 million, a \$2.1 million decrease from FY 2015/16 budgeted revenues. This decrease is primarily attributable to the completion of the meter replacement program and associated loan proceeds from the Water Infrastructure Finance Authority.

The expense budget for the Water Utility is decreasing \$57,000, or 0.3%. Operations and maintenance costs are increasing modestly, while personnel is decreasing slightly, due to replacement of an engineering division manager position with two operator positions, as referenced earlier. Planned CIP projects for the Water Utility Fund are outlined in the CIP section of the Recommended Budget document.

Fifteen-Year Capital Improvement Program (CIP)

The Recommended Budget again includes the 15-Year Capital Improvement Program (CIP), which provides a wide planning window in our ability to allocate funding for potential growth needs into the future. Total funding allocated to CIP projects in the Recommended Budget for FY 2016/17 is \$19.8 million. More detail regarding CIP projects and funding is included in the CIP section of the Recommended Budget document.

Acknowledgments

This budget document reflects the efforts of many long hours contributed by staff from all Town departments and input generated by employees, the Town Council and residents. Special recognition goes to the Town's budget team for their extraordinary collaboration in preparing this

recommended budget: Finance Director Stacey Lemos, Senior Budget Analyst Wendy Gomez, IT Director Chuck Boyer, and Assistant to the Town Manager Chris Cornelison.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Greg Caton", with a long horizontal flourish extending to the right.

Greg Caton

Town Manager

EXHIBIT A

FY 2016/17 Personnel Budget Adjustments by Fund

	General Fund	Highway Fund	Bed Tax Fund	Impound Fee Fund	Community Center Fund	Seizure Funds	Fleet Fund	PAG/RTA Fund	Gen Govt CIP Fund	Stormwater Utility Fund	Water Utility Fund	TOTAL ALL FUNDS
Funding for merit and step increases, including benefits	\$ 338,371	\$ 37,984	\$ 3,792	\$ 211	\$ 11,656	\$ 3,706	\$ 1,683	\$ -	\$ -	\$ 6,419	\$ 41,132	\$ 444,954
New position requests (salary and benefits)	-	-	-	-	34,350	-	-	158,089	137,400	-	-	329,839
Reclassification requests (includes impact to benefits)	6,522	2,370	-	-	-	-	-	-	-	-	-	8,892
Police Department Memorandum of Understanding - increases to on call pay and shift differential pay (includes impact to benefits)	<u>60,100</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>-</u>	<u>60,100</u>
TOTAL Personnel Budget Increase	\$ 404,993	\$ 40,354	\$ 3,792	\$ 211	\$ 46,006	\$ 3,706	\$ 1,683	\$ 158,089	\$ 137,400	\$ 6,419	\$ 41,132	\$ 843,785

EXHIBIT B

Full-Time Equivalent (FTE) Changes From FY 15/16 Adopted Budget to FY 16/17 Recommended Budget

Department/Division	FTE Change (+/-)	Reason/Comment	FY 16/17 Budget Impact
Community Development & Public Works (CDPW)			
Administration (General Fund)	+0.48	Part-time 19-hour office assistant hired in FY 15/16 for Park Maint. re-org	Budget neutral as part of re-organization
Parks Maintenance (General Fund)	+7.88	Re-organization of Park Maint. staff to CDPW Department	Budget neutral; re-organization only
Parks Maintenance (General Fund)	+2.00	New full-time crew leader and full-time worker I to replace contracted services	Budget neutral; replaces contracted services
Public Works (PAG/RTA Fund)	+3.00	Two new temporary full-time construction inspectors and one new temporary full-time construction clerk to perform contract administration on roadway projects	\$158,089; costs are fully reimbursable from PAG and RTA
CIP Projects (General Government CIP Fund and Community Center Fund)	+3.00	Three new full-time temporary heavy equipment operator II's to perform golf course cart path capital improvements and construct multi-use fields at Naranja Park	\$171,750 (\$137,400 CIP Fund; \$34,350 Comm Ctr Fund); temporary
	+16.36		
Parks & Recreation			
Parks (General Fund)	-7.88	Re-organization of staff to CDPW Department	Budget neutral; re-organization only
Aquatics (General Fund)	+0.15	Slight increase in budgeted hours for Aquatic Center facility supervisors, from 27 hrs/week to 30 hrs/week	\$5,100
Aquatics (General Fund)	+0.25	Increase Aquatic Center Office Assistant from 30 hrs/week to 40 hrs/week for staff support	\$21,000
Aquatics (General Fund)	-1.01	Reduction in Aquatic Center facility shift leaders due to elimination of one position and reduction in budgeted hours for new hires	(\$35,400)
Aquatics (General Fund)	+0.50	Increase in Aquatic Center budgeted lifeguard hours to reflect current facility needs	\$13,000
Community & Rec Center (Comm Center Fund)	+0.95	Two additional 19-hr custodians hired during FY 15/16 for the Community & Recreation Center to replace contracted services	Budget neutral; replaces contracted services
Community & Rec Center (Comm Center Fund)	+2.06	Increase in budgeted facility attendants hired during FY 15/16 for the Community & Recreation Center to reflect current facility needs	\$44,000
Community & Rec Center (Comm Center Fund)	+1.44	Budgeted aquatic facility supervisors at the Community & Recreation Center due to Town assuming management of pool operations at the facility during FY 15/16	Budget neutral; previously budgeted with Troon
Community & Rec Center (Comm Center Fund)	+2.00	Budgeted lifeguards at the Community & Recreation Center due to Town assuming management of pool operations at the facility during FY 15/16	Budget neutral; previously budgeted with Troon
	-1.54		
Water Utility			
Engineering & Planning	-1.00	Elimination of full-time engineering division manager position	(\$140,500)
Distribution	+2.00	Two new full-time operator II's to meet department needs	\$123,350
	+1.00		
TOTAL CHANGE IN FTEs	+15.82		



Town of Oro Valley Fiscal Year 2016 - 2017

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Fund Balance Report FY 2016/17 Recommended Budget

Updated: March 25, 2016

EXPENDITURES

	7/1/16										
	BEGINNING FUND BALANCE	REVENUE	TRANSFERS IN	TOTAL	PERSONNEL	O&M	CAPITAL	TRANSFERS OUT	DEBT SERVICE	CONTINGENCY	TOTAL
GENERAL FUND	9,904,536	32,836,753	305,000	43,046,289	23,235,962	7,479,393	544,365	1,825,304	-	9,961,265	43,046,289
HIGHWAY FUND	2,001,727	3,490,100	100,000	5,591,827	1,984,174	1,012,979	1,678,750	38,032	-	877,892	5,591,827
BED TAX FUND	332,778	1,092,005	-	1,424,783	259,409	425,280	-	510,194	-	229,900	1,424,783
SEIZURES & FORFEITURES - STATE	67,328	275,000	-	342,328	227,554	-	-	-	-	114,774	342,328
SEIZURES & FORFEITURES - FED	22,768	-	-	22,768	-	-	-	-	-	22,768	22,768
IMPOUND FEE FUND	40,814	40,000	-	80,814	57,468	-	-	-	-	23,346	80,814
COMMUNITY CENTER FUND	425,128	6,615,238	-	7,040,366	736,944	5,503,259	627,200	120,000	-	52,963	7,040,366
MUNICIPAL DEBT SVC FUND	74,240	144,945	471,472	690,657	-	10,000	-	-	616,417	64,240	690,657
ORACLE RD DEBT SVC FUND	1,946	178,558	3,000	183,504	-	3,000	-	-	178,558	1,946	183,504
AWRDIF FUND	5,022,595	1,066,489	-	6,089,084	-	136,101	100,000	-	-	5,852,983	6,089,084
PWSDIF FUND	5,018,995	547,858	-	5,566,853	-	2,500	-	-	329,916	5,234,437	5,566,853
TWDIF FUND	2,973,921	343,167	-	3,317,088	-	-	2,000,000	-	-	1,317,088	3,317,088
PAG/RTA FUND	279,695	9,272,471	-	9,552,166	222,971	-	9,027,000	-	-	302,195	9,552,166
GEN GOVT IMPACT FEE FUND	3,510	-	-	3,510	-	-	-	-	-	3,510	3,510
LIBRARY IMPACT FEE FUND	43,160	150,000	-	193,160	-	-	187,000	-	-	6,160	193,160
PARKS & REC IMPACT FEE FUND	241,303	132,680	-	373,983	-	-	-	250,000	-	123,983	373,983
POLICE IMPACT FEE FUND	301,877	74,000	-	375,877	-	-	285,000	-	-	90,877	375,877
GENERAL GOVT CIP FUND	700,000	81,000	1,867,000	2,648,000	137,400	-	2,510,600	-	-	-	2,648,000
REC IN LIEU FEE FUND	27,918	-	-	27,918	-	-	-	-	-	27,918	27,918
FLEET FUND	483,251	1,581,998	-	2,065,249	85,813	562,025	644,002	-	-	773,409	2,065,249
BENEFIT SELF INSURANCE FUND	244,162	3,030,740	-	3,274,902	-	3,030,740	-	-	-	244,162	3,274,902
WATER UTILITY FUND	12,122,311	15,077,195	-	27,199,506	3,161,854	7,112,994	3,613,765	2,942	4,871,285	8,436,666	27,199,506
STORMWATER UTILITY FUND	217,538	787,250	-	1,004,788	350,661	441,925	52,000	-	-	160,202	1,004,788
	40,551,501	76,817,447	2,746,472	120,115,420	30,460,210	25,720,196	21,269,682	2,746,472	5,996,176	33,922,684	120,115,420

Less Transfers In (2,746,472)

Less Transfers Out (2,746,472)

FY 2016/17 BUDGET	\$ 117,368,948
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FY 2016/17 BUDGET	\$ 117,368,948
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Does not include non cash outlays for depreciation or amortization



Fiscal Year 2016-2017

Fund Balances

	(1) General Fund	(2) Special Revenue Funds	(3) Enterprise Funds	(4) Capital Projects Funds	(5) Internal Service Funds	(6) Debt Service Funds	2016-2017 Total
Revenues and Other Sources							
Taxes	\$ 15,653,000	\$ 3,190,968	\$ -	\$ -	\$ -	\$ -	\$ 18,843,968
Licenses and Permits	1,615,500	52,500	-	-	-	-	1,668,000
Fines	130,000	-	-	-	-	-	130,000
Water Sales	-	-	11,961,395	-	-	-	11,961,395
Charges for Services	2,128,601	4,656,214	3,830,800	22,500	1,297,202	-	11,935,317
State Shared Revenue	10,824,605	3,000,000	-	-	-	-	13,824,605
Intergovernmental	115,000	-	-	-	-	-	115,000
Grants	2,140,847	195,000	-	9,330,971	-	54,945	11,721,763
Seizures & Forfeitures	-	275,000	-	-	-	-	275,000
Impact Fees	-	-	-	2,105,994	-	-	2,105,994
Interest Income	89,200	34,800	72,250	58,200	-	178,558	433,008
Miscellaneous	140,000	107,861	-	150,000	3,315,536	90,000	3,803,397
Other Financing Sources	305,000	100,000	-	1,867,000	-	474,472	2,746,472
Total	\$ 33,141,753	\$ 11,612,343	\$ 15,864,445	\$ 13,534,665	\$ 4,612,738	\$ 797,975	\$ 79,563,919
Expenditures and Other Uses							
General Government							
Clerk	\$ 453,266	\$ -	\$ -	\$ -	\$ -	\$ -	\$ 453,266
Council	220,560	-	-	-	-	-	220,560
Finance	756,620	-	-	-	-	-	756,620
General Administration	1,736,450	-	-	-	3,030,740	-	4,767,190
Human Resources	361,193	-	-	-	-	-	361,193
Information Technology	1,682,295	-	-	-	-	-	1,682,295
Legal	757,027	-	-	-	-	-	757,027
Magistrate Court	836,352	-	-	-	-	-	836,352
Town Manager's Office	788,014	680,897	-	-	-	-	1,468,911
Debt Service	-	-	-	-	-	807,975	807,975
Capital Projects	-	-	-	2,697,600	-	-	2,697,600
Police	15,408,054	281,105	-	285,000	-	-	15,974,159
Comm. Dev. & Public Works	5,896,155	4,635,549	838,167	-	1,290,157	-	12,660,028
Parks and Recreation	1,958,741	6,821,397	-	-	-	-	8,780,138
Water Utility	-	-	13,847,481	568,517	-	-	14,415,998
Water Utility Fund Debt Service							
Principal	-	-	3,500,676	-	-	-	3,500,676
Interest	-	-	1,370,609	-	-	-	1,370,609
Roadway Improvements	-	-	-	11,091,882	-	-	11,091,882
FY 16/17 Personnel Increases	404,993	94,069	47,551	295,489	1,683	-	843,785
Other Financing Uses	1,825,304	668,226	2,942	250,000	-	-	2,746,472
Total	\$ 33,085,024	\$ 13,181,243	\$ 19,607,426	\$ 15,188,488	\$ 4,322,580	\$ 807,975	\$ 86,192,736
Increase/(Decrease)	56,729	(1,568,900)	(3,742,981)	(1,653,823)	290,158	(10,000)	(6,628,818)
Beginning Fund Balance	\$ 9,904,536	\$ 2,890,543	\$ 12,339,849	\$ 14,612,974	\$ 727,413	\$ 76,186	\$ 40,551,501
Ending Fund Balance	\$ 9,961,265	\$ 1,321,643	\$ 8,596,868	\$ 12,959,151	\$ 1,017,571	\$ 66,186	\$ 33,922,684

This table depicts the estimated beginning fund balance at July 1, 2016, the budgeted revenues and expenditures for FY 2016/17 and the projected ending fund balance at June 30, 2017.

- (1) The General Fund is increasing \$56,729, which will be used to increase the fund balance reserve.
- (2) Special Revenue Funds are decreasing \$1,568,900, which will be used to fund capital improvements.
- (3) Enterprise Funds are decreasing \$3,742,981, which will be used to fund capital improvements.
- (4) Capital Projects Funds are decreasing \$1,653,823, which will be used to fund capital improvements.
- (5) Internal Service Funds are increasing \$290,158, which will be in the Fleet Fund for future vehicle replacements.
- (6) Debt Service Funds are decreasing \$10,000, which will be used to fund debt service-related costs.



Fiscal Year 2016-2017

General Fund Fund Summary

	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget	% to Budget
Revenues and Other Sources				
Local Taxes	15,350,654	14,717,655	15,653,000	2.0%
Licenses and Permits	1,764,000	1,469,062	1,615,500	-8.4%
Federal Grants	551,545	517,788	478,284	-13.3%
State Grants	1,434,300	1,442,016	1,662,563	15.9%
State Shared Revenues	10,428,531	10,574,275	10,824,605	3.8%
Intergovernmental	105,000	115,000	115,000	9.5%
Charges for Services	1,873,834	1,969,976	2,128,601	13.6%
Fines	120,000	140,000	130,000	8.3%
Interest Income	94,400	94,400	89,200	-5.5%
Miscellaneous	135,000	139,882	140,000	3.7%
Transfer from Bed Tax Fund	185,000	185,000	185,000	0.0%
Transfer from Community Center Fund	120,000	120,000	120,000	0.0%
Total	\$ 32,162,264	\$ 31,485,054	\$ 33,141,753	3.0%
Expenditures and Other Uses				
Personnel	22,440,073	22,266,064	22,830,969	1.7%
FY 16/17 Personnel Increase			404,993	
Operations & Maintenance	7,388,150	7,397,248	7,479,393	1.2%
Capital Outlay	537,710	432,960	544,365	1.2%
Use of Contingency		319,131	-	
Transfer to CIP Fund:	1,509,000	1,119,177	1,517,000	0.5%
<i>FY 15/16 Projects</i>	<i>1,509,000</i>	<i>1,119,177</i>		
<i>FY 16/17 Projects</i>			<i>1,517,000</i>	
Transfer to Highway Fund			100,000	0.0%
Transfer to Debt Service Fund	197,810	197,810	208,304	5.3%
Total	\$ 32,072,743	\$ 31,732,390	\$ 33,085,024	3.2%
Increase/(Decrease)			56,729	
Beginning Fund Balance				
Assigned			\$ 1,553,999	
Unassigned			8,350,537	
Ending Fund Balance				
Assigned			\$ 1,553,999	
Unassigned			8,407,266	
Total Ending Fund Balance			\$ 9,961,265	



Fiscal Year 2016-2017

Highway Fund Fund Summary

	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget	% to Budget
Revenues and Other Sources				
Licenses and Permits	51,000	48,000	52,500	2.9%
Charges for Services	134,000	134,000	134,000	0.0%
State Grants	-	173,341	195,000	0.0%
State Shared Revenues	2,985,464	2,985,464	3,000,000	0.5%
Interest Income	22,400	22,400	28,600	27.7%
Miscellaneous	10,000	38,582	80,000	700.0%
Transfer from General Fund	-	-	100,000	0.0%
Total	\$ 3,202,864	\$ 3,401,787	\$ 3,590,100	12.1%
Expenditures and Other Uses				
Personnel	1,937,153	1,922,899	1,943,820	0.3%
FY 16/17 Personnel Increase			40,354	
Operations & Maintenance	848,909	826,643	1,012,979	19.3%
Capital Outlay	1,844,250	1,713,235	1,678,750	-9.0%
Transfer to Debt Service Fund	228,366	228,366	38,032	-83.3%
Total	\$ 4,858,678	\$ 4,691,143	\$ 4,713,935	-3.0%
Increase/(Decrease)			(1,123,835)	
Beginning Fund Balance Restricted			\$ 2,001,727	
Ending Fund Balance Restricted			\$ 877,892	



Fiscal Year 2016-2017

Bed Tax Fund Fund Summary

	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget	% to Budget
Revenues and Other Sources				
Local Taxes	945,000	945,000	1,085,805	14.9%
Interest Income	4,800	4,800	6,200	29.2%
Total	\$ 949,800	\$ 949,800	\$ 1,092,005	15.0%
Expenditures and Other Uses				
Personnel	250,201	244,573	255,617	2.2%
FY 16/17 Personnel Increase			3,792	
Operations & Maintenance	422,531	422,531	425,280	0.7%
Transfer to Debt Service Fund	229,544	229,544	225,194	-1.9%
Transfer to General Fund	185,000	185,000	185,000	0.0%
Transfer to Gen Govt CIP Fund	-	-	100,000	0.0%
Total	\$ 1,087,276	\$ 1,081,648	\$ 1,194,883	9.9%
Increase/(Decrease)			(102,878)	
Beginning Fund Balance Committed			\$ 332,778	
Ending Fund Balance Committed			\$ 229,900	



Fiscal Year 2016-2017

**Seizures & Forfeitures - State
Fund Summary**

	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget	% to Budget
Revenues and Other Sources				
Seizures and Forfeitures	175,000	63,488	275,000	57.1%
Interest Income	-	1,000	-	0.0%
Total	\$ 175,000	\$ 64,488	\$ 275,000	57.1%
Expenditures and Other Uses				
Personnel	144,639	199,246	223,848	54.8%
FY 16/17 Personnel Increase			3,706	
Operations & Maintenance	-	6,880	-	0.0%
Capital Outlay	-	15,054	-	0.0%
Total	\$ 144,639	\$ 221,180	\$ 227,554	57.3%
Increase/(Decrease)			47,446	
Beginning Fund Balance Restricted			\$ 67,328	
Ending Fund Balance Restricted			\$ 114,774	



Fiscal Year 2016-2017

**Seizures & Forfeitures - Federal
Fund Summary**

	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget	% to Budget
Revenues and Other Sources				
Seizures and Forfeitures	250,000	9,408	-	-100.0%
Interest Income	-	300	-	0.0%
Total	\$ 250,000	\$ 9,708	\$ -	-100.0%
Expenditures and Other Uses				
Personnel	70,362	13,860	-	-100.0%
FY 16/17 Personnel Increase	1,957		-	
Operations & Maintenance	-	3,688	-	0.0%
Capital Outlay	-	2,258	-	0.0%
Total	\$ 72,319	\$ 19,806	\$ -	-100.0%
Increase/(Decrease)			-	
Beginning Fund Balance Restricted			\$ 22,768	
Ending Fund Balance Restricted			\$ 22,768	



Fiscal Year 2016-2017

**Impound Fee Fund
Fund Summary**

	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget	% to Budget
Revenues and Other Sources				
Charges for Services	34,000	40,000	40,000	17.6%
Total	\$ 34,000	\$ 40,000	\$ 40,000	17.6%
Expenditures and Other Uses				
Personnel	27,621	27,621	57,257	107.3%
FY 16/17 Personnel Increase			211	
Total	\$ 27,621	\$ 27,621	\$ 57,468	108.1%
Increase/(Decrease)			(17,468)	
Beginning Fund Balance Restricted			\$ 40,814	
Ending Fund Balance Restricted			\$ 23,346	



Fiscal Year 2016-2017

**Community Center Fund
Fund Summary**

	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget	% to Budget
Revenues and Other Sources				
Local Sales Tax	2,000,000	2,000,000	2,105,163	5.3%
Charges for Services	5,400,763	3,985,544	4,482,214	-17.0%
Miscellaneous	-	28,211	27,861	0.0%
Total	\$ 7,400,763	\$ 6,013,755	\$ 6,615,238	-10.6%
Expenditures and Other Uses				
Personnel	462,517	576,587	690,938	49.4%
FY 16/17 Personnel Increase			46,006 (A)	
Operations & Maintenance	6,152,816	5,064,325	5,152,691	-16.3%
Equipment Leases	333,000	402,937	350,568	5.3%
Capital Outlay	1,115,000	450,000	627,200	-43.7%
Transfer to General Fund	120,000	120,000	120,000	0.0%
Total	\$ 8,183,333	\$ 6,613,849	\$ 6,987,403	-14.6%
Increase/(Decrease)			(372,165)	
Beginning Fund Balance Restricted			\$ 425,128	
Ending Fund Balance Restricted			\$ 52,963	

(A) Includes \$34,350 for temporary personnel to perform cart path capital maintenance



Fiscal Year 2016-2017

Municipal Debt Service Fund Summary

	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget	% to Budget
Revenues and Other Sources				
Federal Subsidy	58,238	58,238	54,945	-5.7%
Interest Income	-	40	-	0.0%
Miscellaneous	90,000	90,000	90,000	0.0%
Transfer from General Fund	194,810	194,810	205,304	5.4%
Transfer from Bed Tax Fund	229,544	229,544	225,194	-1.9%
Transfer from Highway Fund	228,366	228,366	38,032	-83.3%
Transfer from Water Utility Fund	3,030	3,030	2,942	-2.9%
Total	\$ 803,988	\$ 804,028	\$ 616,417	-23.3%
Expenditures and Other Uses				
Operations & Maintenance	10,000	57,721	10,000	0.0%
Debt Service	881,632	838,865	616,417	-30.1%
Total	\$ 891,632	\$ 896,586	\$ 626,417	-29.7%
Increase/(Decrease)			(10,000)	
Beginning Fund Balance Restricted			\$ 74,240	
Ending Fund Balance Restricted			\$ 64,240	



Fiscal Year 2016-2017

**Oracle Road Improvement District
Debt Service Fund Summary**

	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget	% to Budget
Revenues and Other Sources				
Interest Repayments	40,153	40,153	33,558	-16.4%
Principal Repayments	135,000	135,000	145,000	7.4%
Transfer from General Fund	3,000	3,000	3,000	0.0%
Total	\$ 178,153	\$ 178,153	\$ 181,558	1.9%
Expenditures and Other Uses				
Operations & Maintenance	3,000	3,000	3,000	0.0%
Debt Service	175,153	175,153	178,558	1.9%
Total	\$ 178,153	\$ 178,153	\$ 181,558	1.9%
Increase/(Decrease)			-	
Beginning Fund Balance Restricted			\$ 1,946	
Ending Fund Balance Restricted			\$ 1,946	



Fiscal Year 2016-2017

**Alternative Water Resources
Development Impact Fee Fund Summary**

	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget	% to Budget
Revenues and Other Sources				
Interest Income	19,840	19,840	26,400	33.1%
Impact Fees	1,331,323	1,117,022	1,040,089	-21.9%
Total	\$ 1,351,163	\$ 1,136,862	\$ 1,066,489	-21.1%
Expenditures and Other Uses				
Operations & Maintenance	30,820	127,131	136,101	341.6%
Capital Outlay	-	8,929	100,000	0.0%
Total	\$ 30,820	\$ 136,060	\$ 236,101	666.1%
Increase/(Decrease)			830,388	
Beginning Fund Balance			\$ 5,022,595	
Ending Fund Balance			\$ 5,852,983	



Fiscal Year 2016-2017

**Potable Water System
Development Impact Fee Fund Summary**

	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget	% to Budget
Revenues and Other Sources				
Interest Income	19,840	19,840	28,800	45.2%
Impact Fees	663,207	530,480	519,058	-21.7%
Total	\$ 683,047	\$ 550,320	\$ 547,858	-19.8%
Expenditures and Other Uses				
Operations & Maintenance	-	-	2,500	0.0%
Debt Service	331,478	331,478	329,916	-0.5%
Total	\$ 331,478	\$ 331,478	\$ 332,416	0.3%
Increase/(Decrease)			215,442	
Beginning Fund Balance			\$ 5,018,995	
Ending Fund Balance			\$ 5,234,437	



Fiscal Year 2016-2017

**Townwide Roadway Development
Impact Fee Fund Summary**

	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget	% to Budget
Revenues and Other Sources				
Interest Income	2,000	3,500	3,000	50.0%
Impact Fees	424,532	340,000	340,167	-19.9%
Total	\$ 426,532	\$ 343,500	\$ 343,167	-19.5%
Expenditures and Other Uses				
Capital Outlay	1,038,000	47,431	2,000,000	92.7%
Transfer to PAG/RTA Fund	460,696	-	-	-100.0%
Total	\$ 1,498,696	\$ 47,431	\$ 2,000,000	33.4%
Increase/(Decrease)			(1,656,833)	
Beginning Fund Balance Restricted			\$ 2,973,921	
Ending Fund Balance Restricted			\$ 1,317,088	



Fiscal Year 2016-2017

PAG/RTA Fund Fund Summary

	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget	% to Budget
Revenues and Other Sources				
State Grants	10,414,000	3,172,229	9,249,971	-11.2%
Charges for Services	22,500	22,500	22,500	0.0%
Interest Income	500	-	-	-100.0%
Transfer from Roadway Imp Fee Fund	460,696	-	-	-100.0%
Total	\$ 10,897,696	\$ 3,194,729	\$ 9,272,471	-14.9%
Expenditures and Other Uses				
Personnel (temporary; project-specific)	64,795	44,370	64,882	0.1%
FY 16/17 personnel increase (temp; project-specific)			158,089	
Operations & Maintenance	-	-	-	0.0%
Capital Outlay	10,414,000	2,870,664	9,027,000	-13.3%
Total	\$ 10,478,795	\$ 2,915,034	\$ 9,249,971	-11.7%
Increase/(Decrease)			22,500	
Beginning Fund Balance Restricted			\$ 279,695	
Ending Fund Balance Restricted			\$ 302,195	



Fiscal Year 2016-2017

**General Government
Impact Fee Fund Summary**

	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget	% to Budget
Revenues and Other Sources				
Impact Fees	-	-	-	0.0%
Interest Income	-	5	-	0.0%
Total	\$ -	\$ 5	\$ -	0.0%
Expenditures and Other Uses				
Capital Outlay	-	-	-	0.0%
Total	\$ -	\$ -	\$ -	0.0%
Increase/(Decrease)			-	
Beginning Fund Balance Restricted			\$ 3,510	
Ending Fund Balance Restricted			\$ 3,510	



Fiscal Year 2016-2017

Library Impact Fee Fund Summary

	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget	% to Budget
Revenues and Other Sources				
Miscellaneous	30,000	-	150,000	0.0%
Total	\$ 30,000	\$ -	\$ 150,000	400.0%
Expenditures and Other Uses				
Capital Outlay	113,000	51,638	187,000	65.5%
Total	\$ 113,000	\$ 51,638	\$ 187,000	65.5%
Increase/(Decrease)			(37,000)	
Beginning Fund Balance Restricted			\$ 43,160	
Ending Fund Balance Restricted			\$ 6,160	



Fiscal Year 2016-2017

**Parks and Recreation Impact Fee
Fund Summary**

	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget	% to Budget
Revenues and Other Sources				
Impact Fees	171,200	105,000	132,680	-22.5%
Interest Income	-	200	-	0.0%
Total	\$ 171,200	\$ 105,200	\$ 132,680	-22.5%
Expenditures and Other Uses				
Transfer to Gen Govt CIP Fund	-	-	250,000	0.0%
Total	\$ -	\$ -	\$ 250,000	0.0%
Increase/(Decrease)			(117,320)	
Beginning Fund Balance Restricted			\$ 241,303	
Ending Fund Balance Restricted			\$ 123,983	



Fiscal Year 2016-2017

**Police Impact Fee
Fund Summary**

	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget	% to Budget
Revenues and Other Sources				
Impact Fees	66,917	47,000	74,000	10.6%
Interest Income	-	300	-	0.0%
Total	\$ 66,917	\$ 47,300	\$ 74,000	10.6%
Expenditures and Other Uses				
Capital Outlay	-	-	285,000	0.0%
Total	\$ -	\$ -	\$ 285,000	0.0%
Increase/(Decrease)			(211,000)	
Beginning Fund Balance Restricted			\$ 301,877	
Ending Fund Balance Restricted			\$ 90,877	



Fiscal Year 2016-2017

**General Government CIP Fund
Fund Summary**

	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget	% to Budget
Revenues and Other Sources				
Transfer from General Fund	1,509,000	1,119,177	1,517,000	0.5%
Transfer from P&R Impact Fee Fund			250,000	
Transfer from Bed Tax Fund			100,000	0.0%
Transfer from Enterprise Fund	30,000	-	-	-100.0%
State Grants	81,000	-	81,000	0.0%
Total	\$ 1,620,000	\$ 1,119,177	\$ 1,948,000	20.2%
Expenditures and Other Uses				
New Personnel (temporary; project-specific)			137,400	0.0%
Capital Outlay	3,005,000	1,840,770	2,510,600	-16.5%
Total	\$ 3,005,000	\$ 1,840,770	\$ 2,648,000	-11.9%
Increase/(Decrease)			(700,000)	
Beginning Fund Balance Assigned			\$ 700,000	
Ending Fund Balance Assigned			\$ -	



Fiscal Year 2016-2017

**Recreation In Lieu Fee
Fund Summary**

	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget	% to Budget
Revenues and Other Sources				
Charges for Services	-	21,728	-	0.0%
Total	\$ -	\$ 21,728	\$ -	0.0%
Expenditures and Other Uses				
Capital Outlay	-	-	-	0.0%
Total	\$ -	\$ -	\$ -	0.0%
Increase/(Decrease)			-	
Beginning Fund Balance Restricted			\$ 27,918	
Ending Fund Balance Restricted			\$ 27,918	



Fiscal Year 2016-2017

**Fleet Fund
Fund Summary**

	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget	% to Budget
Revenues and Other Sources				
Charges for Services	1,333,903	1,278,303	1,297,202	-2.8%
Miscellaneous	194,329	184,329	284,796	46.6%
Total	\$ 1,528,232	\$ 1,462,632	\$ 1,581,998	3.5%
Expenditures and Other Uses				
Personnel	84,318	84,318	84,130	-0.2%
FY 16/17 Personnel Increase			1,683	
Operations & Maintenance	713,600	602,682	562,025	-21.2%
Capital Outlay	591,303	591,303	644,002	8.9%
Total	\$ 1,389,221	\$ 1,278,303	\$ 1,291,840	-7.0%
Increase/(Decrease)			290,158	
Beginning Fund Balance			\$ 483,251	
Ending Fund Balance			\$ 773,409	



Fiscal Year 2016-2017

Benefit Self Insurance Fund Fund Summary

	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget	% to Budget
Revenues and Other Sources				
Self Ins Premiums - Employer	2,364,000	2,364,000	2,365,700	0.1%
Self Ins Premiums - Employee	321,400	321,400	496,350	54.4%
COBRA Premiums	25,000	25,000	25,000	0.0%
Retiree Premiums	8,000	8,000	10,500	31.3%
UHC Wellness Program	20,000	20,000	20,000	0.0%
Miscellaneous	122,000	122,000	113,190	-7.2%
Total	\$ 2,860,400	\$ 2,860,400	\$ 3,030,740	6.0%
Expenditures and Other Uses				
Outside Professional Services	669,350	669,350	682,340	1.9%
Wellness Program	40,000	40,000	40,000	0.0%
Claim Settlement	2,151,050	2,151,050	2,308,400	7.3%
Total	\$ 2,860,400	\$ 2,860,400	\$ 3,030,740	6.0%
Increase/(Decrease)			-	
Beginning Fund Balance			\$ 244,162	
Ending Fund Balance			\$ 244,162	



Fiscal Year 2016-2017

Water Utility Fund Summary

	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget	% to Budget
Revenues and Other Sources				
Charges for Services	3,184,200	2,988,800	3,043,800	-4.4%
Interest Income	59,520	59,520	72,000	21.0%
Miscellaneous	-	13,608	-	0.0%
WIFA Loan Proceeds	1,800,000	1,300,000	-	-100.0%
Water Sales	12,160,500	11,660,941	11,961,395	-1.6%
Total	\$ 17,204,220	\$ 16,022,869	\$ 15,077,195	-12.4%
Expenditures				
Personnel	3,173,022	2,974,748	3,120,722	-1.6%
FY 16/17 Personnel Increase			41,132	
Operations & Maintenance	10,190,213	9,975,617	10,287,994	1.0%
Capital Outlay	3,575,800	2,963,417	3,613,765	1.1%
Debt Service	4,968,867	4,968,867	4,871,285	-2.0%
Transfer to Debt Service Fund	3,030	3,030	2,942	-2.9%
Transfer to Gen Govt CIP Fund	30,000	-	-	-100.0%
Total	\$ 21,940,932	\$ 20,885,679	\$ 21,937,840	0.0%
Cash Total *	\$ 18,820,170	\$ 17,764,917	\$ 18,762,840	-0.3%
Increase/(Decrease)			(3,685,645)	
Beginning Fund Balance			\$ 12,122,311	
Ending Fund Balance			\$ 8,436,666	

* Total expenditures less non-cash outlays for Depreciation & Amortization



Fiscal Year 2016-2017

Stormwater Utility Fund Summary

	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget	% to Budget
Revenues and Other Sources				
State Grants	35,000	35,000	-	-100.0%
Charges for Services	787,000	787,000	787,000	0.0%
Interest Income	250	300	250	0.0%
Total	\$ 822,250	\$ 822,300	\$ 787,250	-4.3%
Expenditures				
Personnel	346,620	346,620	344,242	-0.7%
FY 16/17 Personnel Increase			6,419	
Operations & Maintenance	626,995	619,995	596,925	-4.8%
Capital Outlay	90,500	52,500	52,000	-42.5%
Total	\$ 1,064,115	\$ 1,019,115	\$ 999,586	-6.1%
Cash Total *	\$ 929,115	\$ 884,115	\$ 844,586	-9.1%
Increase/(Decrease)			(57,336)	
Beginning Fund Balance			\$ 217,538	
Ending Fund Balance			\$ 160,202	

* Total expenditures less non-cash outlays for Depreciation & Amortization



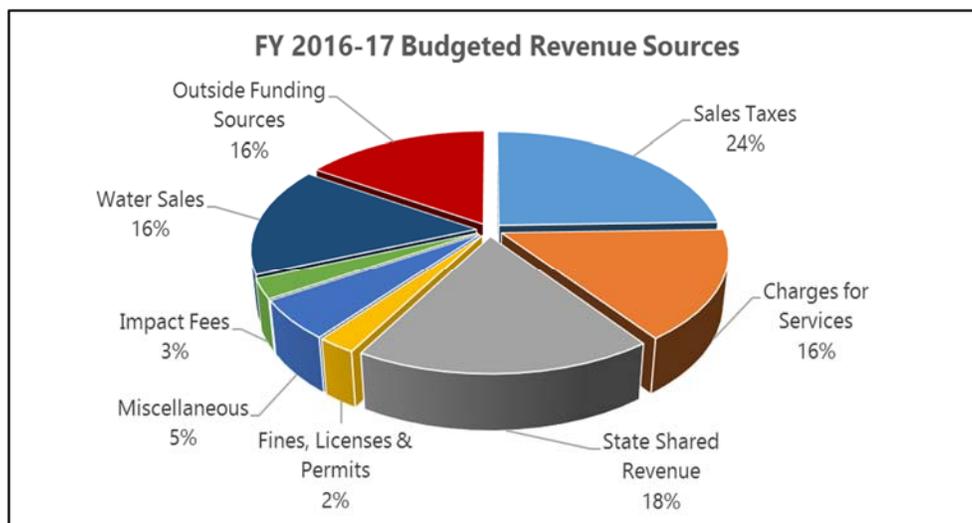
Revenue Summary

Revenue for FY 16-17 is estimated to total \$76,817,447. In comparison to the FY 15-16 budget, revenue is projected to decrease 3.8%. This decrease is attributable to a \$2.3 million reduction in budgeted loan and grant funds for Water Utility and roadway projects due to project completions, as well as an \$800,000 reduction in budgeted operating revenues from the Town's Community and Recreation Center.

Revenue growth remains slow at both the local and state level. Revenues are being impacted not only by an economy that continues to struggle, but also by state legislative action that is negatively affecting revenues for all Arizona cities and towns, as well as special census efforts in other municipalities that will impact Oro Valley's percentage allocation of state-shared revenues. As a result, the Town's General Fund state shared revenue collections are expected to increase by just 2% over current year estimates. The Town's General Fund local sales tax collections are projected at just 2% growth over the current year budget. The number of annual single family residential (SFR) permits issued within the town is projected at 230 for FY 16-17, an increase of 30 permits over the current year budget. Commercial development consists of small infill projects and two larger-size projects deemed one-time in nature – a new K-5 elementary school and a memory care facility. The Town relies heavily on economically sensitive revenue sources, with sales taxes and state shared revenues making up nearly 43% of the projected FY 16-17 revenues.

Local sales tax represents 24% of the Town's FY 16-17 projected revenues. In this category, taxes related to retail trade are the biggest contributor, with growth projected at 2.5% over current year estimates. Restaurant tax collections are a bright spot, with 5% growth anticipated in FY 16-17. Construction sales tax collections are expected to increase 2% over the current year budget, with a sizeable portion of these revenues associated with two significant one-time commercial development projects on the horizon, as referenced above. Single family residential construction and permitting revenues were projected assuming 230 SFR permits will be issued, as referenced above. In collaboration with Economic Development and Community Development & Public Works, a list was compiled of all development projects in the pipeline and their likelihood of completion in the next budget year. The FY 16-17 budget is forecasted to see an addition of nearly 350,000 square feet of commercial building in the form of a memory care facility and a school, as well as office, church and restaurant space.

Compiling revenue estimates in a sensitive fiscal climate is a difficult task. Depending on the particular revenue source, estimates are based on susceptibility to economic factors, current performance, economic drivers and indicators, and information received from state reports and other sources. The Town receives a variety of other funding sources to finance operations. Refer to the Revenue Schedule by Fund for detailed changes in revenue from budget year to budget year.





Revenue Schedule by Fund

Major Revenue Accounts	FY 2014 Actual	FY 2015 Actual	FY 2016		FY 2017 Budget	%
			Budget	Projected		to Budget
General Fund						
Local Sales Tax:						
Local Sales Tax	13,036,536	14,633,600	14,775,654	14,133,655	15,069,000	2.0%
Sales Tax Audit Recoveries	8,454	3,400	5,000	4,000	4,000	-20.0%
Cable Franchise Fees	571,731	582,064	570,000	580,000	580,000	1.8%
Total Local Sales Tax	13,616,721	15,219,064	15,350,654	14,717,655	15,653,000	2.0%
License & Permit Fees:						
Business Licenses & Permits	197,323	202,993	192,000	195,000	196,000	2.1%
Residential Building Permits	1,409,442	973,190	1,135,000	967,000	1,118,000	-1.5%
Commercial Building Permits	351,907	226,561	350,000	254,462	250,000	-28.6%
Sign Permits	31,026	31,342	31,000	600	500	-98.4%
Special Inspection Fees	4,400	4,760	5,000	1,000	1,000	-80.0%
Grading Permit Fees	75,344	89,636	51,000	51,000	50,000	-2.0%
Total License & Permit Fees	2,069,443	1,528,483	1,764,000	1,469,062	1,615,500	-8.4%
Federal Grants:						
CNA	136,473	153,237	130,500	65,900	10,000	-92.3%
DEA OT Reimbursement	28,344	18,382	22,000	22,000	22,000	0.0%
Miscellaneous Federal Grants	11,322	8,474	7,800	7,464	7,500	-3.8%
HIDTA	147,293	137,870	131,000	190,000	185,000	41.2%
HIDTA-DEA	108,756	112,147	92,000	110,000	104,000	13.0%
GOHS	118,148	159,026	81,000	35,179	55,200	-31.9%
Homeland Security	57,077	66,196	70,000	70,000	77,000	10.0%
Joint Terrorism Task Force	16,570	18,593	17,245	17,245	17,584	2.0%
Total Federal Grants	623,982	673,925	551,545	517,788	478,284	-13.3%
State Grants:						
Safe Schools Grant	-	84,514	65,000	92,016	173,063	166.3%
Misc State Grants	76,146	68,177	127,300	108,000	223,100	75.3%
RTA Reimbursements	1,175,299	1,190,795	1,242,000	1,242,000	1,266,400	2.0%
Total State Grants	1,251,445	1,343,486	1,434,300	1,442,016	1,662,563	15.9%
State/County Shared:						
State Income	4,571,196	4,964,635	4,937,719	4,937,719	5,184,605	5.0%
State Sales	3,569,711	3,747,944	3,772,164	3,917,908	3,920,000	3.9%
Vehicle License Tax	1,495,999	1,700,885	1,718,648	1,718,648	1,720,000	0.1%
Total State/County Shared	9,636,906	10,413,464	10,428,531	10,574,275	10,824,605	3.8%
Other Intergovernmental:						
PCLD Reimbursements	31,957	25,580	15,000	25,000	25,000	66.7%
Animal Control Revenues	-	-	90,000	90,000	90,000	0.0%
Total Other Intergovernmental	31,957	25,580	105,000	115,000	115,000	9.5%
Charges for Services:						
Court Costs	172,878	138,270	120,000	140,000	130,000	8.3%
Public Defender Fees	2,385	1,697	2,000	850	1,000	-50.0%
Zoning & Subdivision Fees	183,897	223,880	178,000	165,000	170,000	-4.5%
User Fees - Swimming Pool	404,526	490,048	426,000	525,740	567,400	33.2%
User Fees - Fields & Courts	30,828	98,202	123,000	107,560	112,000	-8.9%
User Fees - Miscellaneous	191,016	228,140	151,300	157,700	157,875	4.3%
Copy Services	1,535	2,207	2,000	2,000	2,000	0.0%
Town Hall Usage Fees	4,692	4,369	5,000	200	-	-100.0%
General Government Other	6,897	3,778	2,000	2,000	2,000	0.0%
Police Report Copying	5,710	5,573	5,200	5,200	5,200	0.0%
Police Other	6,233	2,914	2,200	5,000	2,200	0.0%
Building Inspection Copying	8	15	-	-	-	0.0%
Engineer Plan Review Fees	33,748	74,180	43,000	43,000	40,000	-7.0%
Grading Review Fees	23,255	11,950	14,000	-	-	-100.0%
Grading Inspection Fees	7,851	2,240	4,000	-	-	-100.0%



Revenue Schedule by Fund

Major Revenue Accounts	FY 2014	FY 2015	FY 2016		FY 2017	%
	Actual	Actual	Budget	Projected	Budget	
Fare Box	71,078	72,783	65,000	70,000	70,000	7.7%
Administrative Services	321,000	321,000	421,000	421,000	551,000	30.9%
Financial Services	136,632	168,744	176,220	176,220	179,735	2.0%
Real Property Rental Income	80,979	82,490	81,514	94,166	86,191	5.7%
Maps	217	200	-	1,840	-	0.0%
Pawn Slips	2,430	375	700	300	300	-57.1%
Police Fingerprinting	20,490	20,545	20,200	20,200	20,200	0.0%
Concession Sales	32,895	34,099	30,000	30,500	30,000	0.0%
Probation Monitoring Fee	3,535	50	-	-	-	0.0%
Public Record Request Fees	1,828	2,262	1,500	1,500	1,500	0.0%
Comm Facilities Appraisal Fees	-	1,800	-	-	-	0.0%
Total Charges for Services	1,746,541	1,991,810	1,873,834	1,969,976	2,128,601	13.6%
Fines:						
Fines	172,232	148,050	120,000	140,000	130,000	8.3%
Total Fines	172,232	148,050	120,000	140,000	130,000	8.3%
Interest Income:						
Interest - Investments	197,757	168,723	94,400	94,400	89,200	-5.5%
Total Interest Income	197,757	168,723	94,400	94,400	89,200	-5.5%
Miscellaneous:						
Miscellaneous	15,038	12,359	5,000	7,610	10,000	100.0%
Special Events	4,800	5,150	5,000	5,000	5,000	0.0%
Insurance Recoveries	20,748	11,000	5,000	5,000	5,000	0.0%
In-Lieu Income	119,166	197,735	120,000	120,000	120,000	0.0%
Sale of Assets	5,366	402	-	2,272	-	0.0%
Total Miscellaneous	165,119	226,646	135,000	139,882	140,000	3.7%
TOTAL GENERAL FUND	29,512,102	31,739,230	31,857,264	31,180,054	32,836,753	3.1%
Highway Fund						
Local Sales Tax:						
Construction Sales Tax	1,227,468	-	-	-	-	0.0%
Total Local Sales Tax	1,227,468	-	-	-	-	0.0%
License & Permit Fees:						
Road Permits	43,557	52,058	48,000	45,000	50,000	4.2%
Floodplain Use Permits	3,700	2,590	3,000	3,000	2,500	-16.7%
Total License & Permit Fees	47,257	54,648	51,000	48,000	52,500	2.9%
Charges for Services:						
Administrative Services	129,492	129,492	134,000	134,000	134,000	0.0%
Total Charges for Services	129,492	129,492	134,000	134,000	134,000	0.0%
State Grants:						
PAG Reimbursements	-	46,200	-	146,487	195,000	0.0%
RTA Reimbursements	35,000	-	-	26,854	-	0.0%
Total State Grants	35,000	46,200	-	173,341	195,000	0.0%
State/County Shared:						
Highway User	2,679,257	2,912,780	2,985,464	2,985,464	3,000,000	0.5%
Total State/County Shared	2,679,257	2,912,780	2,985,464	2,985,464	3,000,000	0.5%



Revenue Schedule by Fund

Major Revenue Accounts	FY 2014 Actual	FY 2015 Actual	FY 2016 Budget Projected		FY 2017 Budget	% to Budget
Interest Income:						
Interest - Investments	38,666	34,597	22,400	22,400	28,600	27.7%
Total Interest Income	38,666	34,597	22,400	22,400	28,600	27.7%
Miscellaneous:						
Miscellaneous	9,415	12,134	10,000	10,000	80,000	700.0%
Insurance Recoveries	10,930	-	-	28,582	-	0.0%
Total Miscellaneous	20,345	12,134	10,000	38,582	80,000	700.0%
TOTAL HIGHWAY FUND	4,177,486	3,189,851	3,202,864	3,401,787	3,490,100	9.0%
Bed Tax Fund						
Local Sales Tax:						
Local Sales Tax	1,013,543	988,449	945,000	945,000	1,085,805	14.9%
Total Local Sales Tax	1,013,543	988,449	945,000	945,000	1,085,805	14.9%
Interest Income:						
Interest - Investments	7,198	6,095	4,800	4,800	6,200	29.2%
Total Interest Income	7,198	6,095	4,800	4,800	6,200	29.2%
Miscellaneous:						
Miscellaneous	5,000	-	-	-	-	0.0%
Total Miscellaneous	5,000	-	-	-	-	0.0%
TOTAL BED TAX FUND	1,025,741	994,544	949,800	949,800	1,092,005	15.0%
Seizures & Forfeitures Funds						
Interest Income:						
Interest - Investments	7,450	3,766	-	1,300	-	0.0%
Total Interest Income	7,450	3,766	-	1,300	-	0.0%
Miscellaneous:						
Forfeitures	443,452	172,021	425,000	72,896	275,000	-35.3%
Insurance Recoveries	-	5,499	-	-	-	0.0%
Total Miscellaneous	443,452	177,520	425,000	72,896	275,000	-35.3%
TOTAL SEIZURES & FORFEITURES FUNDS	450,902	181,286	425,000	74,196	275,000	-35.3%
Impound Fee Fund						
Charges for Services:						
Impound Fees	31,800	47,700	34,000	40,000	40,000	17.6%
Total Charges for Services	31,800	47,700	34,000	40,000	40,000	17.6%
TOTAL IMPOUND FEE FUND	31,800	47,700	34,000	40,000	40,000	17.6%
Community Center Fund						
Local Sales Tax:						
Local Sales Tax	-	506,710	2,000,000	2,000,000	2,105,163	5.3%
Total Local Sales Tax	-	506,710	2,000,000	2,000,000	2,105,163	5.3%
Charges for Services:						
User Fees - Daily Drop-In	-	2,329	27,550	23,000	25,000	-9.3%
User Fees - Member Dues	-	17,995	526,480	577,111	606,000	15.1%
User Fees - Recreation Programs	-	-	84,000	76,000	101,500	20.8%
Rental Income	-	-	20,400	36,301	31,561	54.7%



Revenue Schedule by Fund

Major Revenue Accounts	FY 2014 Actual	FY 2015 Actual	FY 2016		FY 2017 Budget	%
			Budget	Projected		to Budget
Concession Sales	-	-	-	1,000	1,000	0.0%
Management Contract Revenues	-	500,158	4,742,333	3,299,993	3,745,014	-21.0%
Total Charges for Services	-	520,482	5,400,763	4,013,405	4,510,075	-16.5%
Miscellaneous:						
Miscellaneous	-	-	-	350	-	0.0%
Total Miscellaneous	-	-	-	350	-	0.0%
TOTAL COMMUNITY CENTER FUND	-	1,027,192	7,400,763	6,013,755	6,615,238	-10.6%
Municipal Debt Service Fund						
Interest Income:						
Interest	39	60	-	40	-	0.0%
Total Interest Income	39	60	-	40	-	0.0%
Federal Grants:						
Miscellaneous Grants	68,988	64,258	58,238	58,238	54,945	-5.7%
Total Federal Grants	68,988	64,258	58,238	58,238	54,945	-5.7%
Miscellaneous:						
Miscellaneous	92,375	100,908	90,000	90,000	90,000	0.0%
Total Miscellaneous	92,375	100,908	90,000	90,000	90,000	0.0%
TOTAL MUNICIPAL DEBT SERVICE FUND	161,402	165,227	148,238	148,278	144,945	-2.2%
Oracle Road Debt Service Fund						
Interest Income:						
Special Assessments	81,572	46,263	40,153	40,153	33,558	-16.4%
Penalties	37	-	-	-	-	0.0%
Total Interest Income	81,609	46,263	40,153	40,153	33,558	-16.4%
Principal Repayments:						
Principal Repayments	1,380,697	131,815	135,000	135,000	145,000	7.4%
Total Principal Repayments	1,380,697	131,815	135,000	135,000	145,000	7.4%
TOTAL ORACLE RD DEBT SERVICE FUND	1,462,307	178,078	175,153	175,153	178,558	1.9%
Townwide Roadway Development Impact Fee Fund						
Federal Grants:						
Miscellaneous Grants	500,000	-	-	-	-	0.0%
Total Federal Grants	500,000	-	-	-	-	0.0%
State Grants:						
Misc State Grants	-	2,460	-	-	-	0.0%
PAG Reimbursements	1,755,154	1,761,137	-	-	-	0.0%
RTA Reimbursements	149,942	471,702	-	-	-	0.0%
Total State Grants	1,905,096	2,235,299	-	-	-	0.0%
Impact Fees:						
Residential Impact Fees	259,022	199,186	398,000	215,000	308,450	-22.5%
Commercial Impact Fees	67,300	77,559	26,532	125,000	31,717	19.5%
Total Impact Fees	326,322	276,745	424,532	340,000	340,167	-19.9%
Interest Income:						
Interest - Investments	3,381	2,605	2,000	3,500	3,000	50.0%
Total Interest Income	3,381	2,605	2,000	3,500	3,000	50.0%



Revenue Schedule by Fund

Major Revenue Accounts	FY 2014 Actual	FY 2015 Actual	FY 2016		FY 2017 Budget	%
			Budget	Projected		to Budget
Miscellaneous:						
Miscellaneous	150	575	-	-	-	0.0%
Total Miscellaneous	150	575	-	-	-	0.0%
Charges for Services:						
Real Property Rental Income	22,500	22,500	-	-	-	0.0%
Total Charges for Services	22,500	22,500	-	-	-	0.0%
TOTAL ROADWAY IMPACT FEE FUND	2,757,450	2,537,724	426,532	343,500	343,167	-19.5%
PAG/RTA Fund						
State Grants:						
PAG Reimbursements	-	-	6,050,000	2,495,385	5,974,971	-1.2%
RTA Reimbursements	-	-	4,364,000	676,844	3,275,000	-25.0%
Total State Grants	-	-	10,414,000	3,172,229	9,249,971	-11.2%
Interest Income:						
Interest - Investments	-	-	500	-	-	-100.0%
Total Interest Income	-	-	500	-	-	-100.0%
Charges for Services:						
Real Property Rental Income	-	-	22,500	22,500	22,500	0.0%
Total Charges for Services	-	-	22,500	22,500	22,500	0.0%
TOTAL PAG/RTA FUND	-	-	10,437,000	3,194,729	9,272,471	-11.2%
General Government Development Impact Fee Fund						
Impact Fees:						
Residential Impact Fees	-	-	-	-	-	0.0%
Commercial Impact Fees	2,206	-	-	-	-	0.0%
Total Impact Fees	2,206	-	-	-	-	0.0%
Interest Income:						
Interest - Investments	8	3	-	5	-	0.0%
Total Interest Income	8	3	-	5	-	0.0%
TOTAL GEN. GOVT. IMPACT FEE FUND	2,214	3	-	5	-	0.0%
Library Development Impact Fee Fund						
Impact Fees:						
Residential Impact Fees	-	-	-	-	-	0.0%
Total Impact Fees	-	-	-	-	-	0.0%
Interest Income:						
Interest - Investments	-	-	-	-	-	0.0%
Total Interest Income	-	-	-	-	-	0.0%
Miscellaneous						
Donations	-	-	30,000	-	150,000	400.0%
Total Miscellaneous	-	-	30,000	-	150,000	400.0%
TOTAL LIBRARY IMPACT FEE FUND	-	-	30,000	-	150,000	400.0%



Revenue Schedule by Fund

Major Revenue Accounts	FY 2014 Actual	FY 2015 Actual	FY 2016 Budget Projected		FY 2017 Budget	% to Budget
Parks & Recreation Development Impact Fee Fund						
Impact Fees:						
Residential Impact Fees	122,754	114,469	171,200	105,000	132,680	-22.5%
Total Impact Fees	122,754	114,469	171,200	105,000	132,680	-22.5%
Interest Income:						
Interest - Investments	669	79	-	200	-	0.0%
Total Interest Income	669	79	-	200	-	0.0%
TOTAL PARKS IMPACT FEE FUND	123,423	114,548	171,200	105,200	132,680	-22.5%
Police Development Impact Fee Fund						
Impact Fees:						
Residential Impact Fees	43,888	42,880	62,000	35,000	71,300	15.0%
Commercial Impact Fees	74,168	5,543	4,917	12,000	2,700	-45.1%
Total Impact Fees	118,056	48,423	66,917	47,000	74,000	10.6%
Interest Income:						
Interest - Investments	361	218	-	300	-	0.0%
Total Interest Income	361	218	-	300	-	0.0%
TOTAL POLICE IMPACT FEE FUND	118,418	48,641	66,917	47,300	74,000	10.6%
Naranja Park Fund						
Miscellaneous:						
Miscellaneous	175	-	-	-	-	0.0%
Total Miscellaneous	175	-	-	-	-	0.0%
TOTAL NARANJA PARK FUND	175	-	-	-	-	0.0%
General Government CIP Fund						
State Grants						
Misc State Grants	-	-	81,000	-	81,000	0.0%
Total State Grants	-	-	81,000	-	81,000	0.0%
TOTAL GEN GOVT CIP FUND	-	-	81,000	-	81,000	0.0%
Fleet Fund						
Miscellaneous:						
Insurance Recoveries	-	13,668	-	-	-	0.0%
Vehicle Reserves	-	126,313	184,329	184,329	284,796	54.5%
Sale of Assets	61,001	33,267	10,000	-	-	-100.0%
Total Miscellaneous	61,001	173,248	194,329	184,329	284,796	46.6%
Charges for Services:						
Fleet Services	1,268,842	1,282,861	1,333,903	1,278,303	1,297,202	-2.8%
Total Charges for Services	1,268,842	1,282,861	1,333,903	1,278,303	1,297,202	-2.8%
TOTAL FLEET FUND	1,329,843	1,456,109	1,528,232	1,462,632	1,581,998	3.5%
Benefit Self Insurance Fund						
Miscellaneous:						
Self Insurance Premiums - Employer	1,841,451	2,134,847	2,364,000	2,364,000	2,365,700	0.1%



Revenue Schedule by Fund

Major Revenue Accounts	FY 2014 Actual	FY 2015 Actual	FY 2016 Budget Projected		FY 2017 Budget	% to Budget
Self Insurance Premiums - Employee	246,565	318,872	321,400	321,400	496,350	54.4%
COBRA Premiums	18,865	10,465	25,000	25,000	25,000	0.0%
Retiree Premiums	10,435	1,911	8,000	8,000	10,500	31.3%
UHC Wellness Program	20,000	20,000	20,000	20,000	20,000	0.0%
Miscellaneous	75,978	-	122,000	122,000	113,190	-7.2%
Total Miscellaneous	2,213,294	2,486,096	2,860,400	2,860,400	3,030,740	6.0%
TOTAL BENEFIT SELF INSURANCE FUND	2,213,294	2,486,096	2,860,400	2,860,400	3,030,740	6.0%
Water Utility Fund						
Water Sales:						
Residential Water Sales	7,881,436	7,649,136	8,038,000	7,880,590	8,116,483	1.0%
Commercial Water Sales	886,712	779,877	810,000	816,295	828,238	2.3%
Irrigation Water Sales	1,356,689	1,196,394	1,431,000	1,130,172	1,149,577	-19.7%
Turf Related Water Sales	1,760,090	1,383,047	1,631,000	1,627,606	1,655,323	1.5%
Construction Water Sales	283,632	271,815	250,000	206,097	211,274	-15.5%
Other	816	305	500	181	500	0.0%
Total Water Sales	12,169,375	11,280,574	12,160,500	11,660,941	11,961,395	-1.6%
Charges for Services:						
Engineer Plan Review Fees	15,654	17,020	20,000	20,000	20,000	0.0%
Construction Inspection Fees	30,463	33,267	24,000	48,000	48,000	100.0%
Misc Service Revenue	17,842	9,642	6,000	9,000	6,000	0.0%
Backflow-Install Permit Fee	8,380	2,860	5,000	3,600	3,600	-28.0%
Sewer Fees	201,886	203,025	207,000	205,500	206,000	-0.5%
Late Fees	99,585	93,056	100,000	92,000	92,000	-8.0%
NSF Fees	3,553	3,430	3,500	3,500	3,500	0.0%
Rain Sensors	8	15	-	-	-	0.0%
Meter Income	94,377	50,930	90,700	60,200	90,700	0.0%
New Service Establish Fees	94,468	91,104	80,000	80,000	80,000	0.0%
Reconnect Fees	41,945	47,538	40,000	40,000	40,000	0.0%
Groundwater Preservation Fee	2,599,718	2,330,231	2,500,000	2,319,000	2,346,000	-6.2%
Other	107,981	108,749	108,000	108,000	108,000	0.0%
Total Charges for Services	3,315,859	2,990,866	3,184,200	2,988,800	3,043,800	-4.4%
Interest Income:						
Interest - Investments	61,338	70,275	59,520	59,520	72,000	21.0%
Total Interest Income	61,338	70,275	59,520	59,520	72,000	21.0%
Miscellaneous:						
Miscellaneous	1,257	43,133	-	11,608	-	0.0%
Insurance Recoveries	2,913	7,962	-	-	-	0.0%
Sale of Assets	7,661	2,929	-	2,000	-	0.0%
Total Miscellaneous	11,831	54,024	-	13,608	-	0.0%
Other Financing Sources:						
WIFA Loan Proceeds	-	2,353,843	1,800,000	1,300,000	-	-100.0%
Total Other Financing Sources	-	2,353,843	1,800,000	1,300,000	-	-100.0%
TOTAL WATER UTILITY FUND	15,558,403	16,749,582	17,204,220	16,022,869	15,077,195	-12.4%
Alternative Water Resources Development Impact Fee Fund						
Impact Fees:						
Residential Impact Fees	1,362,186	737,457	809,000	742,096	930,350	15.0%
Commercial Impact Fees	1,014,496	434,713	522,323	374,926	109,739	-79.0%
Total Impact Fees	2,376,682	1,172,170	1,331,323	1,117,022	1,040,089	-21.9%



Revenue Schedule by Fund

Major Revenue Accounts	FY 2014 Actual	FY 2015 Actual	FY 2016 Budget Projected		FY 2017 Budget	% to Budget
Interest Income:						
Interest - Investments	22,208	26,148	19,840	19,840	26,400	33.1%
Total Interest Income	22,208	26,148	19,840	19,840	26,400	33.1%
TOTAL AWRDIF FUND	2,398,890	1,198,318	1,351,163	1,136,862	1,066,489	-21.1%
Potable Water System Development Impact Fee Fund						
Impact Fees:						
Single Family Connections	367,078	311,306	403,000	364,670	463,450	15.0%
Multi-Family Connections	536,750	60,600	175,994	-	-	-100.0%
Commercial Connections	319,510	186,501	73,335	73,336	39,288	-46.4%
Irrigation Connections	128,620	32,638	10,878	92,474	16,320	50.0%
Fire-Flow Connections	61,089	-	-	-	-	0.0%
Total Impact Fees	1,413,047	591,045	663,207	530,480	519,058	-21.7%
Interest Income:						
Interest - Investments	30,673	28,172	19,840	19,840	28,800	45.2%
Total Interest Income	30,673	28,172	19,840	19,840	28,800	45.2%
TOTAL PWSDIF FUND	1,443,720	619,217	683,047	550,320	547,858	-19.8%
Stormwater Utility Fund						
State Grants:						
Miscellaneous State Grants	-	-	35,000	35,000	-	-100.0%
Total State Grants	-	-	35,000	35,000	-	-100.0%
Charges for Services:						
Late Fees	2,399	2,450	3,000	3,000	3,000	0.0%
Stormwater Utility Fee	757,006	769,128	784,000	784,000	784,000	0.0%
Total Charges for Services	759,405	771,578	787,000	787,000	787,000	0.0%
Interest Income:						
Interest - Investments	1,201	294	250	300	250	0.0%
Total Interest Income	1,201	294	250	300	250	0.0%
Miscellaneous:						
Miscellaneous	23	16	-	-	-	0.0%
Total Miscellaneous	23	16	-	-	-	0.0%
TOTAL STORMWATER UTILITY FUND	760,629	771,888	822,250	822,300	787,250	-4.3%
Recreation In Lieu Fee Fund						
Charges for Services:						
Recreation In Lieu Fees	-	-	-	21,728	-	0.0%
Total Charges for Services	-	-	-	21,728	-	0.0%
TOTAL REC IN LIEU FEE FUND	-	-	-	21,728	-	0.0%
TOTAL REVENUE - ALL FUNDS	\$ 63,528,198	\$ 63,505,232	\$ 79,855,043	\$ 68,550,868	\$ 76,817,447	-3.8%

Note: Does not include Interfund Transfers or Carry-Forward Balances



Personnel Schedule

	FY 2014	FY 2015	FY 2016		FY 2017	+/- to Budget
	Actual	Actual	Budget	Projected	Budget	
Clerk						
Town Clerk	1.00	1.00	1.00	1.00	1.00	-
Deputy Town Clerk	1.00	1.00	1.00	1.00	1.00	-
Senior Office Specialist	1.00	1.00	1.00	1.00	1.00	-
Office Specialist	0.50	0.50	0.50	0.50	0.50	-
Office Assistant	0.96	0.96	0.96	0.96	0.96	-
Communications Intern	0.10	0.10	0.10	0.10	0.10	-
Total Clerk	4.56	4.56	4.56	4.56	4.56	-
				Full-time employees:	3	
				Part-time employees:	3	
Council						
Mayor	1.00	1.00	1.00	1.00	1.00	-
Council Member	6.00	6.00	6.00	6.00	6.00	-
Total Council	7.00	7.00	7.00	7.00	7.00	-
				Full-time employees:	-	
				Part-time employees:	7	
Community Development & Public Works (CDPW)						
Director, CDPW	1.00	1.00	1.00	1.00	1.00	-
Assistant CDPW Director	1.00	1.00	1.00	1.00	1.00	-
Division Manager, Permitting	1.00	1.00	1.00	1.00	1.00	-
Division Manager, Planning	1.00	1.00	1.00	1.00	1.00	-
Div Mgr, Inspect. & Comp./Bldg Official	1.00	1.00	1.00	1.00	1.00	-
Engineering Division Manager	1.00	1.00	1.00	1.00	1.00	-
Operations Division Manager	1.00	1.00	1.00	1.00	1.00	-
Conservation & Sustainability Administrator	1.00	-	-	-	-	-
Senior Civil Engineer	2.00	2.00	2.00	2.00	2.00	-
Principal Planner	1.00	2.00	2.00	2.00	2.00	-
Civil Engineer	2.00	2.00	2.00	2.00	2.00	-
Stormwater Utility Division Manager	-	-	-	-	1.00	1.00
Stormwater Engineer	1.00	1.00	1.00	1.00	-	(1.00)
Transit Services Crew Leader	2.00	2.00	2.00	2.00	2.00	-
Senior Planner	3.00	3.00	3.00	2.00	2.00	(1.00)
Planner	1.00	1.00	1.00	2.00	2.00	1.00
Senior Planning Technician	1.00	1.00	1.00	1.00	1.00	-
GIS Analyst	0.50	-	-	-	-	-
Civil Engineering Designer	1.00	1.00	1.00	1.00	1.00	-
Engineering Design Reviewer	1.00	1.00	1.00	1.00	1.00	-
Plans Examiner II	2.00	2.00	2.00	2.00	2.00	-
Building Inspector II	4.00	4.00	4.00	4.00	4.00	-
Building Inspector I	-	1.00	1.00	1.00	1.00	-
Plans Examiner I	1.00	1.00	1.00	1.00	1.00	-
Senior Civil Engineering Tech	3.00	3.00	3.00	3.00	3.00	-
Parks Maintenance Superintendent	-	-	-	-	1.00	1.00
Parks Maintenance Coordinator	-	-	-	-	1.00	1.00
Parks Maintenance Crew Leader	-	-	-	-	1.00	1.00
Parks Maintenance Worker II	-	-	-	-	1.00	1.00
Parks Maintenance Worker I	-	-	-	-	4.92	4.92
Park Monitor/Janitor	-	-	-	-	0.96	0.96



Personnel Schedule

	FY 2014	FY 2015	FY 2016		FY 2017	+/- to Budget
	Actual	Actual	Budget	Projected	Budget	
Streets Maintenance Superintendent	-	-	-	1.00	1.00	1.00
Streets & Drainage Senior Crew Leader	1.00	1.00	1.00	-	-	(1.00)
Senior Traffic Technician	1.00	1.00	1.00	1.00	1.00	-
Code Compliance Specialist	1.00	1.00	1.00	1.00	1.00	-
Construction Inspector	-	-	1.00	1.00	3.00	2.00
Construction Clerk	-	-	-	-	1.00	1.00
Administrative Coordinator	1.00	1.00	1.00	1.00	1.00	-
Stormwater Inspector Technician	-	-	-	-	1.00	1.00
Civil Engineering Technician	1.00	1.00	1.00	1.00	-	(1.00)
Facilities Maintenance Crew Leader	1.00	1.00	1.00	1.00	1.00	-
Fleet Maintenance Mechanic III	1.00	1.00	1.00	1.00	1.00	-
Traffic Signs/Markings Crew Leader	1.00	1.00	1.00	1.00	1.00	-
Streets & Drainage Crew Leader	2.00	2.00	2.00	2.00	2.00	-
Traffic Technician	1.00	1.00	1.00	1.00	1.00	-
Zoning Technician	1.00	1.00	1.00	1.00	1.00	-
Facilities Maintenance Technician	1.00	1.00	1.00	1.00	1.00	-
Heavy Equipment Operator III	2.00	2.00	3.00	3.00	3.00	-
Heavy Equipment Operator II	3.00	3.00	3.00	3.00	6.00	3.00
Building Permit Technician	2.00	2.00	2.00	2.00	2.00	-
Senior Office Specialist	1.00	1.00	1.00	1.00	1.00	-
Office Specialist	1.96	1.96	1.96	1.96	1.96	-
Traffic Signs/Markings Worker	1.00	1.00	1.00	1.00	1.00	-
Transit Specialist	-	-	-	1.11	1.11	1.11
Lead Transit Driver	1.00	1.00	1.00	-	-	(1.00)
Transit Dispatcher	2.11	2.11	2.11	2.11	2.11	-
Senior Office Assistant	1.00	1.00	1.00	1.00	1.00	-
Office Assistant	2.40	2.40	2.40	2.88	2.88	0.48
Transit Driver	16.98	16.98	16.98	16.50	16.87	(0.11)
Intern	0.30	0.30	0.30	0.30	0.30	-
Total CDPW	81.25	81.75	83.75	83.86	100.11	16.36
				Full-time employees:	77	
				Part-time employees:	51	
Finance						
Finance Director	1.00	1.00	1.00	1.00	1.00	-
Procurement Administrator	1.00	1.00	1.00	1.00	1.00	-
Finance Manager	-	1.00	1.00	1.00	1.00	-
Accounting Supervisor	1.00	-	-	-	-	-
Senior Budget Analyst	-	1.00	1.00	1.00	1.00	-
Management & Budget Analyst	1.00	-	-	-	-	-
Senior Accountant	1.00	1.00	1.00	1.00	1.00	-
Accounting Specialist	-	-	-	-	1.00	1.00
Payroll Specialist	1.00	1.00	1.00	1.00	-	(1.00)
Accounting Clerk	1.00	-	-	-	-	-
Office Specialist	-	1.00	1.00	1.00	1.00	-
Total Finance	7.00	7.00	7.00	7.00	7.00	-
				Full-time employees:	7	
				Part-time employees:	-	



Personnel Schedule

	FY 2014	FY 2015	FY 2016		FY 2017	+/- to Budget
	Actual	Actual	Budget	Projected	Budget	
Human Resources						
Human Resource Director	1.00	1.00	1.00	1.00	1.00	-
Human Resource Analyst	-	2.00	2.00	2.00	2.00	-
Human Resource Specialist	2.00	-	-	-	-	-
Office Specialist	0.50	0.50	0.50	0.50	0.50	-
Total Human Resources	3.50	3.50	3.50	3.50	3.50	-
					Full-time employees: 4	
					Part-time employees: -	
Information Technology						
IT Director	1.00	1.00	1.00	1.00	1.00	-
Network Administrator	1.00	1.00	1.00	1.00	1.00	-
Systems Analyst	1.00	1.00	1.00	1.00	1.00	-
Data Base Analyst	1.00	1.00	1.00	1.00	1.00	-
Senior GIS Specialist	-	1.00	1.00	1.00	1.00	-
GIS Analyst	1.50	1.00	1.00	1.00	1.00	-
IT Analyst	1.00	1.00	1.00	1.00	1.00	-
Total Information Technology	6.50	7.00	7.00	7.00	7.00	-
					Full-time employees: 7	
					Part-time employees: -	
Legal						
Legal Services Director	1.00	1.00	1.00	1.00	1.00	-
Chief Civil Deputy Attorney	1.00	1.00	1.00	1.00	1.00	-
Assistant Town Prosecutor	1.00	1.00	1.00	1.00	1.00	-
Senior Paralegal	1.00	1.00	1.00	1.00	1.00	-
Paralegal I	1.00	1.00	1.00	1.00	1.00	-
Legal Secretary	1.00	1.00	1.00	1.00	1.00	-
Total Legal	6.00	6.00	6.00	6.00	6.00	-
					Full-time employees: 6	
					Part-time employees: -	
Magistrate Court						
Magistrate Judge	1.00	1.00	1.00	1.00	1.00	-
Court Administrator	1.00	1.00	1.00	1.00	1.00	-
Courtroom Clerk	1.00	1.00	1.00	1.00	1.00	-
Senior Court Clerk	3.00	3.00	3.00	3.00	3.00	-
Court Clerk	1.00	1.00	1.00	1.00	1.00	-
Bailiff	1.00	1.00	1.00	1.00	1.00	-
Total Magistrate Court	8.00	8.00	8.00	8.00	8.00	-
					Full-time employees: 8	
					Part-time employees: -	



Personnel Schedule

	FY 2014	FY 2015	FY 2016		FY 2017	+/- to Budget
	Actual	Actual	Budget	Projected	Budget	
Town Manager's Office						
Town Manager	1.00	1.00	1.00	1.00	1.00	-
Assistant to the Town Manager	1.00	1.00	1.00	1.00	1.00	-
Executive Assistant	1.00	1.00	1.00	1.00	1.00	-
Senior Office Specialist	1.00	1.00	1.00	1.00	1.00	-
Management Intern	0.38	0.38	0.38	0.38	0.38	-
Economic Development Manager	1.00	1.00	1.00	1.00	1.00	-
Economic Development Specialist	1.00	1.00	1.00	1.00	1.00	-
Communications Administrator	1.00	1.00	1.00	1.00	1.00	-
New Media Developer	1.00	1.00	1.00	1.00	1.00	-
Marketing & Communications Specialist	1.00	1.00	1.00	1.00	1.00	-
Constituent Services Coordinator	1.00	1.00	1.00	1.00	1.00	-
Total Town Manager's Office	10.38	10.38	10.38	10.38	10.38	-
					10	
					1	
Parks and Recreation						
Parks & Recreation Director	1.00	1.00	1.00	1.00	1.00	-
Recreation & Cultural Services Manager	-	1.00	1.00	1.00	1.00	-
Recreation Facility Manager	-	1.00	1.00	1.00	1.00	-
Recreation Manager	1.00	-	-	-	-	-
Multimodal Planner	1.00	1.00	1.00	1.00	1.00	-
Aquatics Manager	1.00	1.00	1.00	1.00	1.00	-
Parks Maintenance Superintendent	-	-	-	1.00	-	-
Parks Maintenance Supervisor	-	1.00	1.00	-	-	(1.00)
Parks Maintenance Coordinator	1.00	1.00	1.00	1.00	-	(1.00)
Parks Maintenance Crew Leader	1.00	-	-	-	-	-
Parks Maintenance Worker II	3.00	1.00	1.00	1.00	-	(1.00)
Facilities Maintenance Technician	-	-	2.00	2.00	2.00	-
Senior Office Specialist	1.00	1.00	2.00	2.00	2.00	-
Office Assistant	1.00	1.75	1.75	1.75	2.00	0.25
Assistant Recreation Manager	1.00	1.00	2.00	2.00	2.00	-
Recreation Leader	0.40	0.80	2.76	1.76	2.76	-
Assistant Aquatics Manager	1.00	1.00	1.00	1.00	1.00	-
Aquatics Facility Supervisor	1.36	1.36	1.36	2.80	2.94	1.58
Aquatics Shift Leader	4.08	3.40	3.40	3.40	2.39	(1.01)
Park Maintenance Worker I	2.35	3.92	3.92	3.92	-	(3.92)
Park Monitor	1.23	0.96	0.96	0.96	-	(0.96)
Custodian	-	-	0.96	1.92	1.92	0.96
Facility Attendant	-	-	2.94	5.00	5.00	2.06
Aquatics Facility Attendant	5.76	5.76	5.76	5.76	5.76	-
Recreation Aide	1.50	1.75	3.75	3.75	3.75	-
Fitness Instructor	-	-	1.50	1.50	1.50	-
Lifeguard/Swim Instructor	5.50	5.50	5.50	8.00	8.00	2.50
Total Parks and Recreation	35.18	36.20	49.56	55.52	48.02	(1.54)
					15	
					35	
					(not including seasonal employees)	



Personnel Schedule

	FY 2014	FY 2015	FY 2016		FY 2017	+/- to Budget
	Actual	Actual	Budget	Projected	Budget	
Construction Inspector	2.00	2.00	2.00	2.00	2.00	-
Electric and Control Technician	1.00	1.00	1.00	1.00	1.00	-
Civil Engineer Tech	1.00	1.00	1.00	1.00	1.00	-
Water Utility Operator III	7.00	6.00	7.00	7.00	7.00	-
Water Utility Operator II	2.00	3.00	2.00	2.00	4.00	2.00
Senior Office Specialist	1.00	1.00	1.00	1.00	1.00	-
Customer Service Supervisor	1.00	1.00	1.00	1.00	1.00	-
Water Utility Operator I	5.00	5.00	5.00	5.00	5.00	-
Customer Service Specialist	-	-	4.00	4.00	4.00	-
Customer Service Representative	4.00	4.48	0.48	0.48	0.48	-
Total Water Utility	37.00	37.48	38.48	37.48	39.48	1.00
			Full-time employees:		39	
			Part-time employees:		1	
Total Personnel	339.50	342.00	358.36	363.43	374.18	15.82
			Full-time employees:		305	
			Part-time employees:		106	



Clerk

The Clerk's Office is the centralized information distribution point for our citizens, Town Council and staff. Responsibilities include preserving the legislative history of the Town, maintaining public records of the Town and conducting fair and impartial elections. The Clerk's Office provides staff support to Town Council; public records and information; business licensing; records management; elections; voter registration; and notary services. Functions of the Clerk's Office are performed in accordance with Arizona Revised Statutes, Oro Valley Town Code and the administrative policies and objectives of the Town.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PERSONNEL</u>				
Town Clerk	1.00	1.00	1.00	1.00
Deputy Town Clerk	1.00	1.00	1.00	1.00
Senior Office Specialist	1.00	1.00	1.00	1.00
Office Specialist	0.50	0.50	0.50	0.50
Office Assistant	0.96	0.96	0.96	0.96
Communications Intern	0.10	0.10	0.10	0.10
Total FTEs	4.56	4.56	4.56	4.56

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PROGRAM EXPENDITURES</u>				
Personnel	\$ 325,421	\$ 339,100	\$ 339,100	\$ 347,616
O&M	62,689	33,800	33,800	105,650
Capital	-	35,000	-	-
Total	\$ 388,110	\$ 407,900	\$ 372,900	\$ 453,266

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>REVENUES BY FUNDING SOURCE</u>				
Business Licenses & Permits	\$ 202,993	\$ 192,000	\$ 195,000	\$ 196,000
Public Record Request Fees	2,262	1,500	1,500	1,500
Copy Services	2,207	2,000	2,000	2,000
Total Revenues	\$ 207,462	\$ 195,500	\$ 198,500	\$ 199,500

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: TOWN CLERK	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
10 PERSONNEL							
REGULAR EMPLOYEES	249,421.27	259,329.00	259,329.00	264,042.00	.00	.00	1.8%
GROUP INSURANCE	30,489.83	33,260.00	33,260.00	36,200.00	.00	.00	8.8%
SOCIAL SECURITY/MEDICA	18,651.99	19,477.00	19,477.00	19,780.00	.00	.00	1.6%
ASRS CONTRIBUTIONS	26,255.73	26,402.00	26,402.00	26,877.00	.00	.00	1.8%
WORKERS' COMPENSATION	457.14	493.00	493.00	572.00	.00	.00	16.0%
OTHER EMPLOYEE BENEFIT	145.44	139.00	139.00	145.00	.00	.00	4.3%
PERSONNEL	325,421.40	339,100.00	339,100.00	347,616.00	.00	.00	2.5%
20 OPERATIONS & MAINTENANCE							
OUTSIDE PROFESSIONAL S	2,620.70	8,000.00	8,000.00	7,000.00	.00	.00	-12.5%
ELECTIONS	37,727.53	.00	.00	75,000.00	.00	.00	.0%
EQUIPMENT REPAIR & MAI	.00	500.00	500.00	500.00	.00	.00	.0%
RENTALS	6,417.98	4,600.00	4,600.00	4,600.00	.00	.00	.0%
TELECOMMUNICATIONS	847.27	1,000.00	1,000.00	800.00	.00	.00	-20.0%
POSTAGE	3,222.28	3,000.00	3,000.00	3,000.00	.00	.00	.0%
ADVERTISING	3,438.30	6,500.00	6,500.00	5,000.00	.00	.00	-23.1%
PRINTING & BINDING	73.29	1,000.00	1,000.00	500.00	.00	.00	-50.0%
RECORDING FEES	500.00	1,000.00	1,000.00	1,000.00	.00	.00	.0%
TRAVEL & TRAINING	4,909.17	4,800.00	4,800.00	5,000.00	.00	.00	4.2%
MEMBERSHIPS & SUBSCRIP	984.00	900.00	900.00	1,000.00	.00	.00	11.1%
OFFICE SUPPLIES	1,893.18	2,500.00	2,500.00	2,250.00	.00	.00	-10.0%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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bgnyrpts

PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: TOWN CLERK	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
MISCELLANEOUS OTHER OP OPERATIONS & MAINTENAN	54.98 62,688.68	.00 33,800.00	.00 33,800.00	.00 105,650.00	.00 .00	.00 .00	.0% 212.6%
<hr/>							
30 CAPITAL OUTLAY							
BUILDINGS & IMPROVEMEN	.00	35,000.00	35,000.00	.00	.00	.00	-100.0%
CAPITAL OUTLAY	.00	35,000.00	35,000.00	.00	.00	.00	-100.0%
TOTAL TOWN CLERK	388,110.08	407,900.00	407,900.00	453,266.00	.00	.00	11.1%
GRAND TOTAL	388,110.08	407,900.00	407,900.00	453,266.00	.00	.00	11.1%

** END OF REPORT - Generated by WENDY GOMEZ **



Council

The Mayor and Council consist of seven officials elected by residents of the town. The Mayor is directly elected by the citizens while the Vice-Mayor is selected by the Council annually. Councilmembers serve four-year overlapping terms in the manner prescribed by state law. The Mayor and Councilmembers of Oro Valley are committed to high quality municipal services and responsible development. Through the Town Manager, the Town Council provides policy direction by adopting rules, regulations, and procedures to meet community needs. The Mayor and Councilmembers remain accountable and accessible to the residents through their commitment to full, honest, and timely communication and exchange promoting responsive, responsible governance.

	<u>FY 2015 Actual</u>	<u>FY 2016 Budget</u>	<u>FY 2016 Projected</u>	<u>FY 2017 Budget</u>
<u>PERSONNEL</u>				
Mayor	1.00	1.00	1.00	1.00
Councilmember	<u>6.00</u>	<u>6.00</u>	<u>6.00</u>	<u>6.00</u>
Total FTEs	7.00	7.00	7.00	7.00

	<u>FY 2015 Actual</u>	<u>FY 2016 Budget</u>	<u>FY 2016 Projected</u>	<u>FY 2017 Budget</u>
<u>PROGRAM EXPENDITURES</u>				
Personnel	\$ 78,876	\$ 78,820	\$ 78,820	\$ 78,840
O&M	<u>123,053</u>	<u>133,175</u>	<u>133,175</u>	<u>141,720</u>
Total Expenditures	\$ 201,928	\$ 211,995	\$ 211,995	\$ 220,560

REVENUES BY FUNDING SOURCE

Funded 100% with General Fund revenues

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: TOWN COUNCIL	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
10 PERSONNEL							
REGULAR EMPLOYEES	73,088.60	73,089.00	73,089.00	73,089.00	.00	.00	.0%
SOCIAL SECURITY/MEDICA	5,650.42	5,591.00	5,591.00	5,591.00	.00	.00	.0%
WORKERS' COMPENSATION	136.56	140.00	140.00	160.00	.00	.00	14.3%
PERSONNEL	78,875.58	78,820.00	78,820.00	78,840.00	.00	.00	.0%
20 OPERATIONS & MAINTENANCE							
TELECOMMUNICATIONS	6,955.44	7,000.00	7,000.00	7,000.00	.00	.00	.0%
POSTAGE	264.84	250.00	250.00	250.00	.00	.00	.0%
PRINTING & BINDING	119.35	1,000.00	1,000.00	1,000.00	.00	.00	.0%
OV YOUTH ADVISORY COUN	3,660.97	5,000.00	5,000.00	5,500.00	.00	.00	10.0%
TRAVEL & TRAINING	31,160.76	32,000.00	32,000.00	40,500.00	.00	.00	26.6%
MEMBERSHIPS & SUBSCRIP	62,316.00	65,625.00	65,625.00	65,770.00	.00	.00	.2%
OFFICE SUPPLIES	230.74	300.00	300.00	4,700.00	.00	.00	1466.7%
NON-CAPITALIZED EQUIPM	.00	1,000.00	1,000.00	1,000.00	.00	.00	.0%
MISCELLANEOUS OTHER OP	5,906.77	5,000.00	5,000.00	.00	.00	.00	-100.0%
VOLUNTEER RECOGNITION	12,437.74	16,000.00	16,000.00	16,000.00	.00	.00	.0%
OPERATIONS & MAINTENAN	123,052.61	133,175.00	133,175.00	141,720.00	.00	.00	6.4%
TOTAL TOWN COUNCIL	201,928.19	211,995.00	211,995.00	220,560.00	.00	.00	4.0%
GRAND TOTAL	201,928.19	211,995.00	211,995.00	220,560.00	.00	.00	4.0%

** END OF REPORT - Generated by WENDY GOMEZ **



Community Development and Public Works (CDPW) Community Development Section

The Community Development & Public Works (CDPW) Department (previously Development & Infrastructure Services) is organized into two primary areas of service: Community Development and Public Works. Community Development is organized into three functional divisions: Permitting, Planning and Inspection & Compliance. Permitting coordinates all facets of plan review and permitting to assess compliance with codes and ordinances adopted by the Town. Planning administers the General Plan and Zoning Code for the harmonious development of the town. Inspection and Compliance is responsible for inspecting all new and altered commercial and residential construction within the town to assess compliance with codes and ordinances adopted by the Town as well as enforcement of the regulatory provisions of the code.

PERSONNEL

FY 2015 Actual	29.22
FY 2016 Budget	29.22
FY 2016 Projected	29.70
FY 2017 Budget	29.70

<u>EXPENDITURES BY DIVISION</u>	<u>FY 2015 Actual</u>	<u>FY 2016 Budget</u>	<u>FY 2016 Projected</u>	<u>FY 2017 Budget</u>
Administration	\$ 360,462	\$ 273,676	\$ 269,476	\$ 328,693
Permitting	786,434	859,933	855,377	885,440
Planning	737,282	856,391	853,405	763,356
Inspection and Compliance	682,224	751,274	751,274	761,790
Total Expenditures	\$ 2,566,402	\$ 2,741,274	\$ 2,729,532	\$ 2,739,279

<u>REVENUES BY FUNDING SOURCE</u>	<u>FY 2015 Actual</u>	<u>FY 2016 Budget</u>	<u>FY 2016 Projected</u>	<u>FY 2017 Budget</u>
Residential Building Permits	\$ 973,190	\$ 1,135,000	\$ 967,000	\$ 1,118,000
Commercial Building Permits	226,561	350,000	254,462	250,000
Special Inspection Fees	4,760	5,000	1,000	1,000
Zoning & Subdivision Fees	223,880	178,000	165,000	170,000
Sign Permits	31,342	31,000	600	500
Grading Permit Fees	89,636	51,000	51,000	50,000
Engineer Plan Review Fees	74,180	43,000	43,000	40,000
Grading Review Fees	11,950	14,000	-	-
Grading Inspection Fees	2,240	4,000	-	-
Total Revenues	\$ 1,637,739	\$ 1,811,000	\$ 1,482,062	\$ 1,629,500

CDPW

Community Development - Administration

The primary function of the Community Development & Public Works Director is to ensure harmonious growth as well as the health, safety, and welfare of the public in the built environment. The director, who additionally functions as the Town Engineer, with support of the division managers and administrators, provides leadership, direction and support to the department's staff. Responsibilities include: establishing departmental policy; leadership direction and support of the department's staff; preparation and management of the department's operating and capital budget; code interpretation and enforcement; revisions to the Town Code; Council support; Town Manager's Executive Leadership Team; customer service including effective public outreach and communication; and resolution of personnel and legal issues.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PERSONNEL</i>				
Director, CDPW	1.00	1.00	1.00	1.00
Office Assistant	-	-	0.48	0.48
Total FTEs	1.00	1.00	1.48	1.48

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PROGRAM EXPENDITURES</i>				
Personnel	\$ 157,007	\$ 163,499	\$ 170,446	\$ 181,366
O&M	203,455	110,177	99,030	147,327
Total Expenditures	\$ 360,462	\$ 273,676	\$ 269,476	\$ 328,693

CDPW

Community Development - Permitting

The Permitting division coordinates all facets of plan review for permitting and development by assessing compliance with the codes and ordinances adopted by the Town. Plan review and coordination of projects includes conceptual and final site plans, improvement plans, grading, building, walls, pools, spas, signs, equipment and miscellaneous projects for both residential and commercial development.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PERSONNEL</i>				
Division Mgr, Permitting	1.00	1.00	1.00	1.00
Senior Civil Engineer	1.00	1.00	1.00	1.00
Engineering Design Reviewer	1.00	1.00	1.00	1.00
Plans Examiner II	2.00	2.00	2.00	2.00
Plans Examiner I	1.00	1.00	1.00	1.00
Senior Planning Technician	1.00	1.00	1.00	1.00
Building Permit Tech	2.00	2.00	2.00	2.00
Office Specialist	0.48	0.48	0.48	0.48
Office Assistant	0.48	0.48	0.48	0.48
Total FTEs	9.96	9.96	9.96	9.96

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PROGRAM EXPENDITURES</i>				
Personnel	\$ 777,622	\$ 827,903	\$ 823,347	\$ 838,300
O&M	8,812	32,030	32,030	47,140
Total Expenditures	\$ 786,434	\$ 859,933	\$ 855,377	\$ 885,440

CDPW

Community Development - Planning

The Planning division administers the General Plan and Zoning Code for the harmonious growth of the town. The division is responsible for providing planning and zoning services to the community, Town Council, Planning and Zoning Commission, Conceptual Design Review Board, Board of Adjustment, and project teams. The division's current work plan focuses on updates to the sign code, zoning code, general plan and associated guidelines and standards.

	<u>FY 2015 Actual</u>	<u>FY 2016 Budget</u>	<u>FY 2016 Projected</u>	<u>FY 2017 Budget</u>
<u>PERSONNEL</u>				
Division Mgr, Planning	1.00	1.00	1.00	1.00
Principal Planner	2.00	2.00	2.00	2.00
Senior Planner	3.00	3.00	2.00	2.00
Planner	1.00	1.00	2.00	2.00
Intern	0.30	0.30	0.30	0.30
Senior Office Specialist	1.00	1.00	1.00	1.00
Office Assistant	0.96	0.96	0.96	0.96
Total FTEs	9.26	9.26	9.26	9.26

	<u>FY 2015 Actual</u>	<u>FY 2016 Budget</u>	<u>FY 2016 Projected</u>	<u>FY 2017 Budget</u>
<u>PROGRAM EXPENDITURES</u>				
Personnel	\$ 638,778	\$ 744,954	\$ 741,968	\$ 671,656
O&M	98,504	111,437	111,437	91,700
Total Expenditures	\$ 737,282	\$ 856,391	\$ 853,405	\$ 763,356

Community Development - Inspection & Compliance

The Inspection and Compliance division is responsible for inspecting all new and altered, commercial and residential, vertical and horizontal construction within the town to assess their compliance with the codes and ordinances adopted by the Town. The division is also responsible for the monitoring and enforcement of the zoning, building and Town codes and ordinances, including all construction, plant salvage, landscape, signage and development performance standards.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PERSONNEL</u>				
Division Mgr, Inspection & Compliance	1.00	1.00	1.00	1.00
Building Inspector II	4.00	4.00	4.00	4.00
Building Inspector I	1.00	1.00	1.00	1.00
Code Compliance Specialist	1.00	1.00	1.00	1.00
Zoning Technician	1.00	1.00	1.00	1.00
Senior Office Assistant	1.00	1.00	1.00	1.00
Total FTEs	9.00	9.00	9.00	9.00

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PROGRAM EXPENDITURES</u>				
Personnel	\$ 667,680	\$ 727,604	\$ 727,604	\$ 740,750
O&M	14,544	23,670	23,670	21,040
Total Expenditures	\$ 682,224	\$ 751,274	\$ 751,274	\$ 761,790

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR:	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
10 PERSONNEL							
REGULAR EMPLOYEES	119,948.73	124,432.00	124,432.00	140,640.00	.00	.00	13.0%
GROUP INSURANCE	12,830.68	14,218.00	14,218.00	14,205.00	.00	.00	-.1%
SOCIAL SECURITY/MEDICA	9,038.04	9,325.00	9,325.00	10,565.00	.00	.00	13.3%
ASRS CONTRIBUTIONS	13,913.94	14,272.00	14,272.00	14,667.00	.00	.00	2.8%
WORKERS' COMPENSATION	230.62	239.00	239.00	307.00	.00	.00	28.5%
OTHER EMPLOYEE BENEFIT	1,045.35	1,013.00	1,013.00	982.00	.00	.00	-3.1%
PERSONNEL	157,007.36	163,499.00	163,499.00	181,366.00	.00	.00	10.9%
20 OPERATIONS & MAINTENANCE							
OUTSIDE PROFESSIONAL S	46,401.26	10,000.00	10,000.00	83,000.00	.00	.00	730.0%
VEHICLE REPAIR & MAINT	33,017.56	43,500.00	43,500.00	14,500.00	.00	.00	-66.7%
RENTALS	.00	4,900.00	4,900.00	6,500.00	.00	.00	32.7%
TELECOMMUNICATIONS	780.00	780.00	780.00	780.00	.00	.00	.0%
POSTAGE	128.33	200.00	200.00	100.00	.00	.00	-50.0%
PRINTING & BINDING	1,312.52	1,250.00	1,250.00	1,900.00	.00	.00	52.0%
TRAVEL & TRAINING	1,101.09	3,500.00	3,500.00	3,500.00	.00	.00	.0%
MEMBERSHIPS & SUBSCRIP	.00	500.00	500.00	500.00	.00	.00	.0%
OFFICE SUPPLIES	16,222.63	18,000.00	18,000.00	15,000.00	.00	.00	-16.7%
GASOLINE	12,990.70	15,000.00	15,000.00	10,000.00	.00	.00	-33.3%
NON-CAPITALIZED EQUIPM	1,394.39	2,000.00	2,000.00	1,000.00	.00	.00	-50.0%
MISCELLANEOUS OTHER OP	68.35	.00	.00	.00	.00	.00	.0%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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bgnyrpts

PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: COMM DEV-ADMINISTRATION	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
VEHICLE REPLACEMENT	83,553.73	.00	.00	.00	.00	.00	.0%
VEHICLE RESERVE	2,630.04	10,547.00	10,547.00	10,547.00	.00	.00	.0%
OPERATIONS & MAINTENAN	199,600.60	110,177.00	110,177.00	147,327.00	.00	.00	33.7%
<hr/>							
40 OTHER FINANCING USES							
CAPITAL LEASE PRINCIPA	3,854.00	.00	.00	.00	.00	.00	.0%
OTHER FINANCING USES	3,854.00	.00	.00	.00	.00	.00	.0%
TOTAL COMM DEV-ADMINISTRATIO	360,461.96	273,676.00	273,676.00	328,693.00	.00	.00	20.1%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: COMM DEV-PERMITTING	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
<hr/>							
10 PERSONNEL							
REGULAR EMPLOYEES	589,745.03	617,331.00	617,331.00	624,698.00	.00	.00	1.2%
GROUP INSURANCE	75,478.73	93,152.00	93,152.00	94,064.00	.00	.00	1.0%
SOCIAL SECURITY/MEDICA	43,843.82	46,063.00	46,063.00	46,610.00	.00	.00	1.2%
ASRS CONTRIBUTIONS	64,780.36	67,231.00	67,231.00	68,116.00	.00	.00	1.3%
WORKERS' COMPENSATION PERSONNEL	3,774.03 777,621.97	4,126.00 827,903.00	4,126.00 827,903.00	4,812.00 838,300.00	.00 .00	.00 .00	16.6% 1.3%
<hr/>							
20 OPERATIONS & MAINTENANCE							
OUTSIDE PROFESSIONAL S	.00	18,000.00	18,000.00	35,000.00	.00	.00	94.4%
TELECOMMUNICATIONS	780.00	780.00	780.00	780.00	.00	.00	.0%
POSTAGE	367.39	400.00	400.00	400.00	.00	.00	.0%
PRINTING & BINDING	2,894.85	4,650.00	4,650.00	3,500.00	.00	.00	-24.7%
TRAVEL & TRAINING	3,531.40	5,050.00	5,050.00	5,200.00	.00	.00	3.0%
MEMBERSHIPS & SUBSCRIP	300.00	1,600.00	1,600.00	1,460.00	.00	.00	-8.8%
NON-CAPITALIZED EQUIPM	220.61	1,000.00	1,000.00	800.00	.00	.00	-20.0%
UNIFORMS	620.44	550.00	550.00	.00	.00	.00	-100.0%
MISCELLANEOUS OTHER OP	97.65	.00	.00	.00	.00	.00	.0%
OPERATIONS & MAINTENAN	8,812.34	32,030.00	32,030.00	47,140.00	.00	.00	47.2%
TOTAL COMM DEV-PERMITTING	786,434.31	859,933.00	859,933.00	885,440.00	.00	.00	3.0%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: COMM DEV-PLANNING	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
10 PERSONNEL							
REGULAR EMPLOYEES	482,815.37	557,541.00	557,541.00	511,850.00	.00	.00	-8.2%
GROUP INSURANCE	67,707.51	84,599.00	84,599.00	63,781.00	.00	.00	-24.6%
SOCIAL SECURITY/MEDICA	35,564.41	41,687.00	41,687.00	38,551.00	.00	.00	-7.5%
ASRS CONTRIBUTIONS	51,595.65	60,057.00	60,057.00	56,357.00	.00	.00	-6.2%
WORKERS' COMPENSATION PERSONNEL	1,095.00 638,777.94	1,070.00 744,954.00	1,070.00 744,954.00	1,117.00 671,656.00	.00 .00	.00 .00	4.4% -9.8%
20 OPERATIONS & MAINTENANCE							
OUTSIDE PROFESSIONAL S	36,138.61	40,500.00	40,500.00	21,000.00	.00	.00	-48.1%
RENTALS	370.24	500.00	500.00	.00	.00	.00	-100.0%
TELECOMMUNICATIONS	582.91	650.00	650.00	500.00	.00	.00	-23.1%
POSTAGE	12,485.69	17,000.00	17,000.00	15,000.00	.00	.00	-11.8%
ADVERTISING	15,419.32	16,590.00	16,590.00	16,700.00	.00	.00	.7%
PRINTING & BINDING	9,268.35	10,150.00	10,150.00	17,100.00	.00	.00	68.5%
TRAVEL & TRAINING	6,738.33	7,750.00	7,750.00	7,700.00	.00	.00	-.6%
MEMBERSHIPS & SUBSCRIP	3,685.61	4,480.00	4,480.00	4,400.00	.00	.00	-1.8%
OFFICE SUPPLIES	2,763.75	11,300.00	11,300.00	9,000.00	.00	.00	-20.4%
NON-CAPITALIZED EQUIPM	796.58	.00	.00	.00	.00	.00	.0%
UNIFORMS	428.05	2,150.00	2,150.00	.00	.00	.00	-100.0%
FIELD SUPPLIES	351.53	367.00	367.00	300.00	.00	.00	-18.3%
MISCELLANEOUS OTHER OP	9,475.43	.00	.00	.00	.00	.00	.0%
OPERATIONS & MAINTENAN	98,504.40	111,437.00	111,437.00	91,700.00	.00	.00	-17.7%
TOTAL COMM DEV-PLANNING	737,282.34	856,391.00	856,391.00	763,356.00	.00	.00	-10.9%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

P 5
bgnyrpts

PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: COMM DEV-INSPECT & COMPLIANCE	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
10 PERSONNEL							
REGULAR EMPLOYEES	486,135.48	529,801.00	529,801.00	535,484.00	.00	.00	1.1%
OVERTIME PAY	1,320.49	.00	.00	.00	.00	.00	.0%
GROUP INSURANCE	81,785.98	90,974.00	90,974.00	95,763.00	.00	.00	5.3%
SOCIAL SECURITY/MEDICA	36,046.41	39,651.00	39,651.00	39,988.00	.00	.00	.8%
ASRS CONTRIBUTIONS	56,418.66	60,768.00	60,768.00	61,474.00	.00	.00	1.2%
WORKERS' COMPENSATION PERSONNEL	5,973.02 667,680.04	6,410.00 727,604.00	6,410.00 727,604.00	8,041.00 740,750.00	.00 .00	.00 .00	25.4% 1.8%
20 OPERATIONS & MAINTENANCE							
OUTSIDE PROFESSIONAL S	.00	300.00	300.00	300.00	.00	.00	.0%
EQUIPMENT REPAIR & MAI	25.00	.00	.00	450.00	.00	.00	.0%
RENTALS	.00	2,200.00	2,200.00	.00	.00	.00	-100.0%
TELECOMMUNICATIONS	4,967.62	5,500.00	5,500.00	8,600.00	.00	.00	56.4%
POSTAGE	830.01	1,000.00	1,000.00	1,000.00	.00	.00	.0%
PRINTING & BINDING	237.57	2,485.00	2,485.00	700.00	.00	.00	-71.8%
TRAVEL & TRAINING	2,676.49	2,450.00	2,450.00	2,600.00	.00	.00	6.1%
MEMBERSHIPS & SUBSCRIP	1,462.23	3,335.00	3,335.00	3,090.00	.00	.00	-7.3%
NON-CAPITALIZED EQUIPM	2,168.69	2,800.00	2,800.00	1,300.00	.00	.00	-53.6%
UNIFORMS	1,661.57	2,000.00	2,000.00	2,000.00	.00	.00	.0%
FIELD SUPPLIES	484.58	1,600.00	1,600.00	1,000.00	.00	.00	-37.5%
MISCELLANEOUS OTHER OP	29.97	.00	.00	.00	.00	.00	.0%
OPERATIONS & MAINTENAN	14,543.73	23,670.00	23,670.00	21,040.00	.00	.00	-11.1%
TOTAL COMM DEV-INSPECT & COM	682,223.77	751,274.00	751,274.00	761,790.00	.00	.00	1.4%
GRAND TOTAL	2,566,402.38	2,741,274.00	2,741,274.00	2,739,279.00	.00	.00	-.1%

** END OF REPORT - Generated by WENDY GOMEZ **



CDPW - Public Works Highway Fund

The Public Works Section of the Community Development & Public Works (CDPW) Department is organized into three functional divisions: Engineering, Operations, and Transit. Engineering is responsible for managing the design and construction of roadway projects, issuing right-of-way permits for all activities within the Town's right-of-way, developing annual and long term schedules for surface treatments on town streets, as well as maintaining and operating the town's traffic intersection signals and lights. Operations is responsible for the Stormwater Utility enterprise, maintenance of the town's streets and drainage ways, facilities maintenance including repairs and minor renovations, parks maintenance and fleet maintenance for vehicles and heavy equipment.

Public Works programs supported by the Highway Fund include Administration, Transportation Engineering, Pavement Management, Street Maintenance, and Traffic Engineering.

PERSONNEL

FY 2015 Actual	22.48
FY 2016 Budget	23.48
FY 2016 Projected	23.48
FY 2017 Budget	23.48

<u>EXPENDITURES BY PROGRAM AREA</u>	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
Administration	\$ 645,562	\$ 880,396	\$ 860,496	\$ 825,230
Transportation Engineering	523,488	561,772	561,772	575,161
Pavement Management	1,146,889	1,473,581	1,538,581	1,275,422
Street Maintenance	1,050,295	1,159,510	1,145,256	1,190,794
Traffic Engineering	707,696	783,419	585,039	806,974
Total Expenditures	\$ 4,073,929	\$ 4,858,678	\$ 4,691,144	\$ 4,673,581

<u>REVENUES BY FUNDING SOURCE</u>	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
HURF Gas Taxes	\$ 2,912,780	\$ 2,985,464	\$ 2,985,464	\$ 3,000,000
Licenses & Permits	54,648	51,000	48,000	52,500
State Grants	46,200	-	173,341	195,000
Charges for Services	129,492	134,000	134,000	134,000
Interest	34,597	22,400	22,400	28,600
Miscellaneous	12,134	10,000	38,582	80,000
Transfer from General Fund	-	-	-	100,000
Total Revenues	\$ 3,189,851	\$ 3,202,864	\$ 3,401,787	\$ 3,590,100

Public Works Highway Fund - Administration

Administration is responsible for funding and program implementation, contract management, and obtaining reimbursement of outside funding for projects from Pima Association of Governments (PAG), the Arizona Department of Transportation (ADOT), and the Federal Emergency Management Agency (FEMA). Administrative staff responsibilities include clerical duties, maintaining the Development & Infrastructure Services website, records management, and logistical support.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PERSONNEL</i>				
Assistant CDPW Director	1.00	1.00	1.00	1.00
Administrative Coordinator	1.00	1.00	1.00	1.00
Office Specialist	0.25	0.25	0.25	0.25
Total FTEs	2.25	2.25	2.25	2.25

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PROGRAM EXPENDITURES</i>				
Personnel	\$ 220,928	\$ 230,871	\$ 230,871	\$ 230,889
O&M	316,204	361,159	341,259	506,309
Capital	108,430	60,000	60,000	50,000
Transfer to Debt Service Fund	-	228,366	228,366	38,032
Total Expenditures	\$ 645,562	\$ 880,396	\$ 860,496	\$ 825,230

Public Works

Highway Fund - Transportation Engineering

Transportation Engineering is responsible for managing the design and construction of roadway projects. While most large projects are designed by consultants, DIS has a small in-house design team for smaller projects. Transportation Engineering provides construction management for all public roadway projects, large and small, as well as issuing permits for all activity within the Town's right-of-way.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PERSONNEL</i>				
Engineering Division Manager	0.70	0.70	0.70	0.70
Senior Civil Engineer	0.50	0.50	0.50	0.50
Senior Civil Engineer Technician	2.00	2.00	2.00	2.00
Civil Engineer/Project Manager	1.00	1.00	1.00	1.00
Civil Engineer Designer	1.00	1.00	1.00	1.00
Office Specialist	0.48	0.48	0.48	0.48
Total FTEs	5.68	5.68	5.68	5.68

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PROGRAM EXPENDITURES</i>				
Personnel	\$ 513,281	\$ 540,522	\$ 540,522	\$ 541,161
O&M	10,206	21,250	18,884	34,000
Capital	-	-	2,366	-
Total Expenditures	\$ 523,488	\$ 561,772	\$ 561,772	\$ 575,161

Public Works Highway Fund - Pavement Management

Pavement Management is responsible for operating the pavement management system and developing annual and long term schedules for surface treatments on town roadways.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PERSONNEL</i>				
Engineering Division Manager	0.20	0.20	0.20	0.20
Senior Civil Engineering Technician	1.00	1.00	1.00	1.00
Total FTEs	1.20	1.20	1.20	1.20

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PROGRAM EXPENDITURES</i>				
Personnel	\$ 115,349	\$ 120,081	\$ 120,081	\$ 121,922
O&M	2,168	3,500	3,500	3,500
Capital	1,029,372	1,350,000	1,415,000	1,150,000
Total Expenditures	\$ 1,146,889	\$ 1,473,581	\$ 1,538,581	\$ 1,275,422

Public Works Highway Fund - Street Maintenance

Street Maintenance is responsible for maintaining the town's streets and drainage ways.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PERSONNEL</i>				
Operations Division Manager	0.75	0.75	0.75	0.75
Streets Maintenance Superintendent	-	-	1.00	1.00
Streets & Drainage Senior Crew Lead	1.00	1.00	-	-
Streets & Drainage Crew Leader	2.00	2.00	2.00	2.00
Heavy Equipment Operator III	2.00	3.00	3.00	3.00
Heavy Equipment Operator II	3.00	3.00	3.00	3.00
Total FTEs	8.75	9.75	9.75	9.75

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PROGRAM EXPENDITURES</i>				
Personnel	\$ 607,846	\$ 700,410	\$ 686,156	\$ 704,694
O&M	297,177	269,100	269,100	261,100
Capital	145,273	190,000	190,000	225,000
Total Expenditures	\$ 1,050,295	\$ 1,159,510	\$ 1,145,256	\$ 1,190,794

Public Works Highway Fund - Traffic Engineering

Traffic Engineering is responsible for maintaining and operating the town's traffic intersection signals and lights, pavement markings, traffic signage, and conducting and reviewing traffic studies.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PERSONNEL</i>				
Engineering Division Manager	0.10	0.10	0.10	0.10
Senior Civil Engineer	0.50	0.50	0.50	0.50
Senior Traffic Technician	1.00	1.00	1.00	1.00
Traffic Technician	1.00	1.00	1.00	1.00
Traffic Signs/Markings Crew Leader	1.00	1.00	1.00	1.00
Traffic Signs/Markings Worker	1.00	1.00	1.00	1.00
Total FTEs	4.60	4.60	4.60	4.60

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PROGRAM EXPENDITURES</i>				
Personnel	\$ 346,127	\$ 345,269	\$ 345,269	\$ 345,154
O&M	173,030	193,900	193,900	208,070
Capital	188,538	244,250	45,870	253,750
Total Expenditures	\$ 707,696	\$ 783,419	\$ 585,039	\$ 806,974

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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bgnyrpts

PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: HIGHWAY FUND	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
000 NON DIVISION							
10 PERSONNEL							
5001 REGULAR EMPLOYEES							
REGULAR EMPLOYEES	168,506.54	175,388.00	175,388.00	176,380.00	.00	.00	.6%
GROUP INSURANCE	18,194.23	19,753.00	19,753.00	19,728.00	.00	.00	-.1%
SOCIAL SECURITY/MEDICA	12,417.40	13,218.00	13,218.00	13,294.00	.00	.00	.6%
ASRS CONTRIBUTIONS	19,546.67	20,117.00	20,117.00	20,248.00	.00	.00	.7%
WORKERS' COMPENSATION	1,480.99	1,581.00	1,581.00	385.00	.00	.00	-75.6%
OTHER EMPLOYEE BENEFIT	781.74	814.00	814.00	854.00	.00	.00	4.9%
PERSONNEL	220,927.57	230,871.00	230,871.00	230,889.00	.00	.00	.0%
20 OPERATIONS & MAINTENANCE							
OUTSIDE PROFESSIONAL S	325.75	11,540.00	11,540.00	10,290.00	.00	.00	-10.8%
WATER & SEWAGE	16,751.75	25,000.00	25,000.00	22,000.00	.00	.00	-12.0%
WASTE DISPOSAL FEES	15,676.17	20,000.00	20,000.00	20,000.00	.00	.00	.0%
VEHICLE REPAIR & MAINT	71,694.94	44,300.00	44,300.00	33,300.00	.00	.00	-24.8%
EQUIPMENT REPAIR & MAI	1,179.23	36,500.00	36,500.00	84,000.00	.00	.00	130.1%
GROUNDS REPAIR & MAINT	.00	.00	.00	.00	.00	.00	.0%
RENTALS	.00	2,400.00	2,400.00	2,400.00	.00	.00	.0%
INSURANCE	60,040.70	62,200.00	62,200.00	67,800.00	.00	.00	9.0%
TELECOMMUNICATIONS	15,758.12	11,970.00	11,970.00	11,970.00	.00	.00	.0%
POSTAGE	184.56	1,000.00	1,000.00	1,000.00	.00	.00	.0%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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bgnyrpts

PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: HIGHWAY FUND	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
PRINTING & BINDING	2,117.18	1,500.00	1,500.00	1,000.00	.00	.00	-33.3%
TRAVEL & TRAINING	531.24	2,500.00	2,500.00	2,500.00	.00	.00	.0%
MEMBERSHIPS & SUBSCRIP	93.00	500.00	500.00	500.00	.00	.00	.0%
OFFICE SUPPLIES	16,761.95	10,000.00	10,000.00	9,000.00	.00	.00	-10.0%
NATURAL GAS & ELECTRIC	23,421.68	26,000.00	26,000.00	28,000.00	.00	.00	7.7%
GASOLINE	61,651.60	70,500.00	70,500.00	65,000.00	.00	.00	-7.8%
NON-CAPITALIZED EQUIPM	1,430.50	1,000.00	1,000.00	2,000.00	.00	.00	100.0%
MISCELLANEOUS OTHER OP	65.50	.00	.00	.00	.00	.00	.0%
VEHICLE REPLACEMENT	24,436.88	25,000.00	25,000.00	120,000.00	.00	.00	380.0%
VEHICLE RESERVE	4,083.00	9,249.00	9,249.00	25,549.00	.00	.00	176.2%
OPERATIONS & MAINTENAN	316,203.75	361,159.00	361,159.00	506,309.00	.00	.00	40.2%
<hr/>							
30 CAPITAL OUTLAY							
MINOR ASSETS	.00	.00	.00	.00	.00	.00	.0%
BUILDINGS & IMPROVEMEN	108,430.20	.00	.00	.00	.00	.00	.0%
EQUIPMENT	.00	60,000.00	60,000.00	50,000.00	.00	.00	-16.7%
CAPITAL OUTLAY	108,430.20	60,000.00	60,000.00	50,000.00	.00	.00	-16.7%
<hr/>							
40 OTHER FINANCING USES							
TRANSFER TO DEBT SERVI	.00	228,366.00	228,366.00	38,032.00	.00	.00	-83.3%
OTHER FINANCING USES	.00	228,366.00	228,366.00	38,032.00	.00	.00	-83.3%
NON DIVISION	645,561.52	880,396.00	880,396.00	825,230.00	.00	.00	-6.3%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: HIGHWAY FUND	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
731 TRANSPORTATION ENGINEERING							
10 PERSONNEL							
REGULAR EMPLOYEES	397,470.49	416,694.00	416,694.00	420,378.00	.00	.00	.9%
OVERTIME PAY	149.99	500.00	500.00	500.00	.00	.00	.0%
GROUP INSURANCE	32,297.11	35,812.00	35,812.00	35,761.00	.00	.00	-.1%
SOCIAL SECURITY/MEDICA	29,687.58	31,613.00	31,613.00	31,895.00	.00	.00	.9%
ASRS CONTRIBUTIONS	44,212.19	45,769.00	45,769.00	46,183.00	.00	.00	.9%
WORKERS' COMPENSATION PERSONNEL	9,464.08 513,281.44	10,134.00 540,522.00	10,134.00 540,522.00	6,444.00 541,161.00	.00 .00	.00 .00	-36.4% .1%
20 OPERATIONS & MAINTENANCE							
OUTSIDE PROFESSIONAL S	1,830.00	5,000.00	5,000.00	2,500.00	.00	.00	-50.0%
STREET IMPROVEMENTS	464.86	6,000.00	6,000.00	21,000.00	.00	.00	250.0%
TRAVEL & TRAINING	1,466.42	4,000.00	4,000.00	4,000.00	.00	.00	.0%
MEMBERSHIPS & SUBSCRIP	505.59	1,750.00	1,750.00	1,500.00	.00	.00	-14.3%
NON-CAPITALIZED EQUIPM	2,611.69	2,000.00	2,000.00	2,000.00	.00	.00	.0%
UNIFORMS	1,293.07	1,500.00	1,500.00	2,000.00	.00	.00	33.3%
FIELD SUPPLIES OPERATIONS & MAINTENAN	2,034.84 10,206.47	1,000.00 21,250.00	1,000.00 21,250.00	1,000.00 34,000.00	.00 .00	.00 .00	.0% 60.0%
30 CAPITAL OUTLAY							
EQUIPMENT	.00	.00	.00	.00	.00	.00	.0%
CAPITAL OUTLAY	.00	.00	.00	.00	.00	.00	.0%
TRANSPORTATION ENGINEE	523,487.91	561,772.00	561,772.00	575,161.00	.00	.00	2.4%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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bgnyrpts

PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: HIGHWAY FUND	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
741 PAVEMENT MGMT							
10 PERSONNEL							
REGULAR EMPLOYEES	79,318.37	82,968.00	82,968.00	83,429.00	.00	.00	.6%
OVERTIME PAY	1,092.29	.00	.00	500.00	.00	.00	.0%
GROUP INSURANCE	15,400.07	16,881.00	16,881.00	16,870.00	.00	.00	-.1%
SOCIAL SECURITY/MEDICA	5,898.19	6,114.00	6,114.00	6,188.00	.00	.00	1.2%
ASRS CONTRIBUTIONS	9,327.56	9,516.00	9,516.00	9,635.00	.00	.00	1.3%
WORKERS' COMPENSATION PERSONNEL	4,312.11 115,348.59	4,602.00 120,081.00	4,602.00 120,081.00	5,300.00 121,922.00	.00 .00	.00 .00	15.2% 1.5%
20 OPERATIONS & MAINTENANCE							
TRAVEL & TRAINING	1,102.50	2,500.00	2,500.00	2,500.00	.00	.00	.0%
OFFICE SUPPLIES	515.63	500.00	500.00	500.00	.00	.00	.0%
FIELD SUPPLIES OPERATIONS & MAINTENAN	550.15 2,168.28	500.00 3,500.00	500.00 3,500.00	500.00 3,500.00	.00 .00	.00 .00	.0% .0%
30 CAPITAL OUTLAY							
SUBDIVISION STREETS	1,029,371.74	1,350,000.00	1,350,000.00	1,150,000.00	.00	.00	-14.8%
CAPITAL OUTLAY	1,029,371.74	1,350,000.00	1,350,000.00	1,150,000.00	.00	.00	-14.8%
PAVEMENT MGMT	1,146,888.61	1,473,581.00	1,473,581.00	1,275,422.00	.00	.00	-13.4%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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bgnyrpts

PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: HIGHWAY FUND	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
742 STREET MAINTENANCE							
10 PERSONNEL							
REGULAR EMPLOYEES	421,202.98	478,229.00	478,229.00	481,791.00	.00	.00	.7%
OVERTIME PAY	6,892.74	4,000.00	4,000.00	4,000.00	.00	.00	.0%
GROUP INSURANCE	74,274.37	98,256.00	98,256.00	87,878.00	.00	.00	-10.6%
SOCIAL SECURITY/MEDICA	31,833.89	35,772.00	35,772.00	36,243.00	.00	.00	1.3%
ASRS CONTRIBUTIONS	48,811.85	55,312.00	55,312.00	55,769.00	.00	.00	.8%
WORKERS' COMPENSATION PERSONNEL	24,830.02 607,845.85	28,841.00 700,410.00	28,841.00 700,410.00	39,013.00 704,694.00	.00 .00	.00 .00	35.3% .6%
20 OPERATIONS & MAINTENANCE							
CONTRACT PERSONNEL SER	18,635.63	25,000.00	25,000.00	.00	.00	.00	-100.0%
OUTSIDE PROFESSIONAL S	32,803.18	32,000.00	32,000.00	36,000.00	.00	.00	12.5%
EQUIPMENT REPAIR & MAI	7,135.54	4,000.00	4,000.00	6,000.00	.00	.00	50.0%
BUILDING REPAIR & MAIN	.00	.00	.00	.00	.00	.00	.0%
STREET MAINTENANCE	125,051.21	110,000.00	110,000.00	110,000.00	.00	.00	.0%
RENTALS	8,231.72	3,000.00	3,000.00	3,000.00	.00	.00	.0%
TRAVEL & TRAINING	323.96	2,000.00	2,000.00	2,000.00	.00	.00	.0%
MEMBERSHIPS & SUBSCRIP	75.00	.00	.00	.00	.00	.00	.0%
OFFICE SUPPLIES	3,830.61	6,000.00	6,000.00	5,000.00	.00	.00	-16.7%
NON-CAPITALIZED EQUIPM	5,053.81	4,000.00	4,000.00	16,000.00	.00	.00	300.0%
UNIFORMS	8,458.39	9,600.00	9,600.00	9,600.00	.00	.00	.0%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: HIGHWAY FUND	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
FIELD SUPPLIES	83,670.84	70,000.00	70,000.00	70,000.00	.00	.00	.0%
SAFETY COMPLIANCE	3,906.70	3,500.00	3,500.00	3,500.00	.00	.00	.0%
OPERATIONS & MAINTENAN	297,176.59	269,100.00	269,100.00	261,100.00	.00	.00	-3.0%
<hr/>							
30 CAPITAL OUTLAY							
VEHICLES	145,273.18	.00	.00	.00	.00	.00	.0%
EQUIPMENT	.00	65,000.00	190,000.00	225,000.00	.00	.00	18.4%
CAPITAL OUTLAY	145,273.18	65,000.00	190,000.00	225,000.00	.00	.00	18.4%
STREET MAINTENANCE	1,050,295.62	1,034,510.00	1,159,510.00	1,190,794.00	.00	.00	2.7%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: HIGHWAY FUND	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
744 TRAFFIC ENGINEERING							
10 PERSONNEL							
REGULAR EMPLOYEES	248,905.03	247,532.00	247,532.00	248,377.00	.00	.00	.3%
OVERTIME PAY	1,289.90	1,000.00	1,000.00	1,000.00	.00	.00	.0%
GROUP INSURANCE	33,162.40	38,874.00	38,874.00	38,841.00	.00	.00	-.1%
SOCIAL SECURITY/MEDICA	18,576.18	18,594.00	18,594.00	18,659.00	.00	.00	.3%
ASRS CONTRIBUTIONS	28,539.68	28,507.00	28,507.00	28,628.00	.00	.00	.4%
WORKERS' COMPENSATION PERSONNEL	15,653.93 346,127.12	10,762.00 345,269.00	10,762.00 345,269.00	9,649.00 345,154.00	.00 .00	.00 .00	-10.3% .0%
20 OPERATIONS & MAINTENANCE							
OUTSIDE PROFESSIONAL S	52,099.15	65,000.00	65,000.00	75,000.00	.00	.00	15.4%
EQUIPMENT REPAIR & MAI	431.83	3,000.00	3,000.00	2,000.00	.00	.00	-33.3%
TRAVEL & TRAINING	725.62	2,000.00	2,000.00	2,000.00	.00	.00	.0%
MEMBERSHIPS & SUBSCRIP	614.28	500.00	500.00	1,250.00	.00	.00	150.0%
NON-CAPITALIZED EQUIPM	1,786.98	.00	.00	.00	.00	.00	.0%
UNIFORMS	956.80	1,200.00	1,200.00	1,200.00	.00	.00	.0%
FIELD SUPPLIES	46,505.29	50,000.00	50,000.00	47,500.00	.00	.00	-5.0%
BLUESTAKE	1,705.45	1,100.00	1,100.00	1,900.00	.00	.00	72.7%
SAFETY COMPLIANCE	106.00	100.00	100.00	150.00	.00	.00	50.0%
ELECTRICITY-STREET LIG	15,033.95	16,000.00	16,000.00	11,770.00	.00	.00	-26.4%
STREET LIGHT MAINTENAN	13,529.76	5,000.00	5,000.00	5,000.00	.00	.00	.0%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: HIGHWAY FUND	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
TRAFFIC SIGNAL MAINTEN	9,585.30	20,000.00	20,000.00	17,500.00	.00	.00	-12.5%
TRAFFIC SIGNAL ELECTRI OPERATIONS & MAINTENAN	29,949.79 173,030.20	30,000.00 193,900.00	30,000.00 193,900.00	42,800.00 208,070.00	.00 .00	.00 .00	42.7% 7.3%
<hr/>							
30 CAPITAL OUTLAY							
MINOR ASSETS	2,250.00	4,250.00	4,250.00	3,750.00	.00	.00	-11.8%
EQUIPMENT	26,918.36	10,000.00	10,000.00	.00	.00	.00	-100.0%
ARTERIAL ROADWAYS	159,370.07	230,000.00	230,000.00	250,000.00	.00	.00	8.7%
CAPITAL OUTLAY	188,538.43	244,250.00	244,250.00	253,750.00	.00	.00	3.9%
TRAFFIC ENGINEERING	707,695.75	783,419.00	783,419.00	806,974.00	.00	.00	3.0%
TOTAL HIGHWAY FUND	4,073,929.41	4,733,678.00	4,858,678.00	4,673,581.00	.00	.00	-3.8%
GRAND TOTAL	4,073,929.41	4,733,678.00	4,858,678.00	4,673,581.00	.00	.00	-3.8%

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CDPW - Public Works Custodial and Facility Maintenance

Facility Maintenance, a program within the Operations Division of the Community Development & Public Works (CDPW) Department, provides building maintenance repairs, minor renovations, project management, contract administration, energy management and heating, ventilation and air conditioning services for all of the Town's buildings and facilities.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PERSONNEL</u>				
Facilities Maint Crew Leader	1.00	1.00	1.00	1.00
Facilities Maint Technician	1.00	1.00	1.00	1.00
Total FTEs	2.00	2.00	2.00	2.00

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PROGRAM EXPENDITURES</u>				
Personnel	\$ 144,051	\$ 150,995	\$ 150,995	\$ 151,189
O&M	162,905	209,400	209,400	206,100
Capital	-	15,000	1,500	7,000
Total Expenditures	\$ 306,956	\$ 375,395	\$ 361,895	\$ 364,289

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>REVENUES BY FUNDING SOURCE</u>				
Pima County Library District Reimbursement	\$ 25,580	\$ 15,000	\$ 25,000	\$ 25,000
Total Revenues	\$ 25,580	\$ 15,000	\$ 25,000	\$ 25,000

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: CUSTODIAL & FACILITIES MAINTEN	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
<hr/>							
10 PERSONNEL							
REGULAR EMPLOYEES	99,099.21	102,681.00	102,681.00	102,502.00	.00	.00	-.2%
OVERTIME PAY	1,450.36	2,000.00	2,000.00	2,000.00	.00	.00	.0%
GROUP INSURANCE	21,573.18	23,567.00	23,567.00	23,551.00	.00	.00	-.1%
SOCIAL SECURITY/MEDICA	7,405.68	7,712.00	7,712.00	7,698.00	.00	.00	-.2%
ASRS CONTRIBUTIONS	11,663.75	12,007.00	12,007.00	11,997.00	.00	.00	-.1%
WORKERS' COMPENSATION	2,858.93	3,028.00	3,028.00	3,441.00	.00	.00	13.6%
PERSONNEL	144,051.11	150,995.00	150,995.00	151,189.00	.00	.00	.1%
<hr/>							
20 OPERATIONS & MAINTENANCE							
OUTSIDE PROFESSIONAL S	118,271.04	161,150.00	161,150.00	161,100.00	.00	.00	.0%
WASTE DISPOSAL FEES	1,682.32	1,500.00	1,500.00	1,600.00	.00	.00	6.7%
EQUIPMENT REPAIR & MAI	128.64	400.00	400.00	400.00	.00	.00	.0%
BUILDING REPAIR & MAIN	16,110.73	22,050.00	22,050.00	17,000.00	.00	.00	-22.9%
RENTALS	.00	500.00	500.00	400.00	.00	.00	-20.0%
TELECOMMUNICATIONS	1,400.23	1,300.00	1,300.00	1,000.00	.00	.00	-23.1%
TRAVEL & TRAINING	189.58	1,500.00	1,500.00	1,500.00	.00	.00	.0%
UNIFORMS	851.48	1,000.00	1,000.00	1,000.00	.00	.00	.0%
FIELD SUPPLIES	24,218.25	20,000.00	20,000.00	22,100.00	.00	.00	10.5%
SAFETY COMPLIANCE	53.00	.00	.00	.00	.00	.00	.0%
OPERATIONS & MAINTENAN	162,905.27	209,400.00	209,400.00	206,100.00	.00	.00	-1.6%
<hr/>							
30 CAPITAL OUTLAY							

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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bgnyrpts

PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: CUSTODIAL & FACILITIES MAINTEN	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
BUILDINGS & IMPROVEMEN	.00	15,000.00	15,000.00	7,000.00	.00	.00	-53.3%
CAPITAL OUTLAY	.00	15,000.00	15,000.00	7,000.00	.00	.00	-53.3%
TOTAL CUSTODIAL & FACILITIES	306,956.38	375,395.00	375,395.00	364,289.00	.00	.00	-3.0%
GRAND TOTAL	306,956.38	375,395.00	375,395.00	364,289.00	.00	.00	-3.0%

** END OF REPORT - Generated by WENDY GOMEZ **



CDPW - Public Works Fleet Fund

Fleet is set up as an internal service fund under the Operations Division of the Community Development & Public Works (CDPW) Department. Each Town department that maintains a fleet of vehicles and/or heavy equipment contributes to this fund based on their respective fleet size and related costs. Fleet is responsible for replacement, preventative maintenance and repair of the Town's fleet of vehicles and heavy equipment. This is accomplished through the combination of service contracts and staff. (To note, the Police Department's ongoing fleet maintenance costs are budgeted directly in the Police Department).

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PERSONNEL</u>				
Fleet Maintenance Mechanic III	1.00	1.00	1.00	1.00
Office Specialist	0.15	0.15	0.15	0.15
Total FTEs	1.15	1.15	1.15	1.15

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PROGRAM EXPENDITURES</u>				
Personnel	\$ 77,544	\$ 84,318	\$ 84,318	\$ 84,130
O&M	631,265	713,600	602,682	562,025
Capital	572,698	591,303	591,303	644,002
Total Expenditures	\$ 1,281,507	\$ 1,389,221	\$ 1,278,303	\$ 1,290,157

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>REVENUES BY FUNDING SOURCE</u>				
Charges for Services	\$ 1,282,861	\$ 1,333,903	\$ 1,278,303	\$ 1,297,202
Miscellaneous	173,248	194,329	184,329	284,796
Total Revenues	\$ 1,456,109	\$ 1,528,232	\$ 1,462,632	\$ 1,581,998

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: FLEET FUND	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
<hr/>							
10 PERSONNEL							
REGULAR EMPLOYEES	59,004.30	61,586.00	61,586.00	62,041.00	.00	.00	.7%
OVERTIME PAY	421.22	1,000.00	1,000.00	1,000.00	.00	.00	.0%
GROUP INSURANCE	7,501.00	8,177.00	8,177.00	8,170.00	.00	.00	-.1%
SOCIAL SECURITY/MEDICA	4,023.01	4,723.00	4,723.00	4,758.00	.00	.00	.7%
ASRS CONTRIBUTIONS	5,044.51	7,179.00	7,179.00	7,237.00	.00	.00	.8%
WORKERS' COMPENSATION PERSONNEL	1,549.68 77,543.72	1,653.00 84,318.00	1,653.00 84,318.00	924.00 84,130.00	.00 .00	.00 .00	-44.1% -.2%
<hr/>							
20 OPERATIONS & MAINTENANCE							
OUTSIDE PROFESSIONAL S	133.99	500.00	500.00	.00	.00	.00	-100.0%
VEHICLE REPAIR & MAINT	205,947.23	227,000.00	227,000.00	205,000.00	.00	.00	-9.7%
EQUIPMENT REPAIR & MAI	64,286.41	78,000.00	78,000.00	69,000.00	.00	.00	-11.5%
TELECOMMUNICATIONS	458.56	600.00	600.00	325.00	.00	.00	-45.8%
TRAVEL & TRAINING	204.90	500.00	500.00	500.00	.00	.00	.0%
GASOLINE	340,757.40	394,000.00	394,000.00	262,200.00	.00	.00	-33.5%
NON-CAPITALIZED EQUIPM	5,160.50	.00	.00	.00	.00	.00	.0%
UNIFORMS	628.40	750.00	750.00	750.00	.00	.00	.0%
FIELD SUPPLIES	13,291.57	12,000.00	12,000.00	24,000.00	.00	.00	100.0%
MISCELLANEOUS OTHER OP	.00	.00	.00	.00	.00	.00	.0%
SAFETY COMPLIANCE OPERATIONS & MAINTENAN	395.53 631,264.49	250.00 713,600.00	250.00 713,600.00	250.00 562,025.00	.00 .00	.00 .00	.0% -21.2%
<hr/>							
30 CAPITAL OUTLAY							

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: FLEET FUND	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
MINOR ASSETS	.00	3,700.00	3,700.00	.00	.00	.00	-100.0%
VEHICLES	236,306.91	169,647.00	169,647.00	268,346.00	.00	.00	58.2%
PATROL VEHICLES	336,391.46	353,956.00	353,956.00	368,256.00	.00	.00	4.0%
EQUIPMENT	.00	64,000.00	64,000.00	7,400.00	.00	.00	-88.4%
CAPITAL OUTLAY	572,698.37	591,303.00	591,303.00	644,002.00	.00	.00	8.9%
TOTAL FLEET FUND	1,281,506.58	1,389,221.00	1,389,221.00	1,290,157.00	.00	.00	-7.1%
GRAND TOTAL	1,281,506.58	1,389,221.00	1,389,221.00	1,290,157.00	.00	.00	-7.1%

** END OF REPORT - Generated by WENDY GOMEZ **



CDPW - Public Works Parks Maintenance

The Parks Maintenance Division, within the Community Development & Public Works (CDPW) Department, is responsible for building maintenance, janitorial services, turf management, landscape maintenance and property upkeep for all parks, natural trails, and bicycle/pedestrian oasis facilities. Parks is also responsible for the landscape maintenance at Town Hall, including the Police Department. Parks oversees all parks construction projects, including new construction, renovations and repairs. ***Please note that this division was budgeted in the Parks & Recreation Department prior to FY 16/17.***

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PERSONNEL</u>				
Parks Maintenance Superintendent	-	-	-	1.00
Parks Maintenance Coordinator	-	-	-	1.00
Parks Maintenance Crew Leader	-	-	-	1.00
Parks Maintenance Worker II	-	-	-	1.00
Parks Maintenance Worker I	-	-	-	4.92
Park Monitor/Janitor	-	-	-	0.96
Total FTEs	-	-	-	9.88

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PROGRAM EXPENDITURES</u>				
Personnel	\$ -	\$ -	\$ -	\$ 498,485
O&M	-	-	-	570,800
Capital	-	-	-	124,300
Total Expenditures	\$ -	\$ -	\$ -	\$ 1,193,585

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>REVENUES BY FUNDING SOURCE</u>				
State Grants	\$ -	\$ -	\$ -	\$ 53,500
Total Revenues	\$ -	\$ -	\$ -	\$ 53,500

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR:	2015	2016	2016	2017	2017	2017	PCT
PARKS MAINTENANCE	ACTUAL	ORIG BUD	REVISED BUD	TOWN MGR	TOWN COUN	FINAL	CHANGE
<hr/>							
10 PERSONNEL							
REGULAR EMPLOYEES	.00	.00	.00	356,040.00	.00	.00	.0%
OVERTIME PAY	.00	.00	.00	5,000.00	.00	.00	.0%
GROUP INSURANCE	.00	.00	.00	68,224.00	.00	.00	.0%
SOCIAL SECURITY/MEDICA	.00	.00	.00	26,909.00	.00	.00	.0%
ASRS CONTRIBUTIONS	.00	.00	.00	31,878.00	.00	.00	.0%
WORKERS' COMPENSATION	.00	.00	.00	10,179.00	.00	.00	.0%
OTHER EMPLOYEE BENEFIT	.00	.00	.00	255.00	.00	.00	.0%
PERSONNEL	.00	.00	.00	498,485.00	.00	.00	.0%
<hr/>							
20 OPERATIONS & MAINTENANCE							
OUTSIDE PROFESSIONAL S	.00	.00	.00	45,500.00	.00	.00	.0%
WATER & SEWAGE	.00	.00	.00	250,000.00	.00	.00	.0%
WASTE DISPOSAL FEES	.00	.00	.00	11,000.00	.00	.00	.0%
VEHICLE REPAIR & MAINT	.00	.00	.00	21,800.00	.00	.00	.0%
EQUIPMENT REPAIR & MAI	.00	.00	.00	8,500.00	.00	.00	.0%
GROUNDS REPAIR & MAINT	.00	.00	.00	40,000.00	.00	.00	.0%
RENTALS	.00	.00	.00	5,000.00	.00	.00	.0%
TELECOMMUNICATIONS	.00	.00	.00	4,000.00	.00	.00	.0%
TRAVEL & TRAINING	.00	.00	.00	2,400.00	.00	.00	.0%
MEMBERSHIPS & SUBSCRIP	.00	.00	.00	1,500.00	.00	.00	.0%
OFFICE SUPPLIES	.00	.00	.00	1,500.00	.00	.00	.0%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: PARKS MAINTENANCE	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
NATURAL GAS & ELECTRIC	.00	.00	.00	72,000.00	.00	.00	.0%
GASOLINE	.00	.00	.00	11,000.00	.00	.00	.0%
NON-CAPITALIZED EQUIPM	.00	.00	.00	2,500.00	.00	.00	.0%
UNIFORMS	.00	.00	.00	5,000.00	.00	.00	.0%
FIELD SUPPLIES	.00	.00	.00	81,000.00	.00	.00	.0%
SAFETY COMPLIANCE	.00	.00	.00	3,000.00	.00	.00	.0%
VEHICLE RESERVE	.00	.00	.00	5,100.00	.00	.00	.0%
OPERATIONS & MAINTENAN	.00	.00	.00	570,800.00	.00	.00	.0%
<hr/>							
30 CAPITAL OUTLAY							
BUILDINGS & IMPROVEMEN	.00	.00	.00	103,000.00	.00	.00	.0%
EQUIPMENT	.00	.00	.00	21,300.00	.00	.00	.0%
CAPITAL OUTLAY	.00	.00	.00	124,300.00	.00	.00	.0%
TOTAL PARKS MAINTENANCE	.00	.00	.00	1,193,585.00	.00	.00	.0%
GRAND TOTAL	.00	.00	.00	1,193,585.00	.00	.00	.0%

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CDPW - Public Works Stormwater Utility Fund

The Stormwater Utility enterprise is managed through the Operations Division of the Community Development & Public Works (CDPW) Department. The Stormwater Utility is responsible for meeting all quality and quantity issues including the Town's Stormwater Management Plan, Floodplain and Erosion Hazard Management, and supporting all other Town programs that are impacted by storm events. The Stormwater Utility also coordinates with federal, state and local government agencies with regard to floodplain issues.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PERSONNEL</u>				
Stormwater Utility Division Mgr	-	-	-	1.00
Stormwater Engineer	1.00	1.00	1.00	-
Operations Division Manager	0.25	0.25	0.25	0.25
Civil Engineer	1.00	1.00	1.00	1.00
Stormwater Inspector Technician	-	-	-	1.00
Civil Engineering Technician	1.00	1.00	1.00	-
Office Specialist	0.60	0.60	0.60	0.60
Total FTEs	3.85	3.85	3.85	3.85

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PROGRAM EXPENDITURES</u>				
Personnel	\$ 310,236	\$ 346,620	\$ 346,620	\$ 344,242
O&M	389,295	491,995	484,995	441,925
Capital	239,235	90,500	52,500	52,000
Total Expenditures	\$ 938,766	\$ 929,115	\$ 884,115	\$ 838,167

Does not include non-cash outlays for depreciation

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>REVENUES BY FUNDING SOURCE</u>				
State Grants	\$ -	\$ 35,000	\$ 35,000	\$ -
Charges for Services	771,578	787,000	787,000	787,000
Miscellaneous	16	-	-	-
Interest	294	250	300	250
Total Revenues	\$ 771,888	\$ 822,250	\$ 822,300	\$ 787,250

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: STORMWATER UTILITY	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
10 PERSONNEL							
REGULAR EMPLOYEES	244,326.34	254,968.00	254,968.00	255,426.00	.00	.00	.2%
GROUP INSURANCE	33,413.07	40,206.00	40,206.00	34,779.00	.00	.00	-13.5%
SOCIAL SECURITY/MEDICA	18,067.10	19,116.00	19,116.00	19,219.00	.00	.00	.5%
ASRS CONTRIBUTIONS	20,331.40	29,245.00	29,245.00	29,323.00	.00	.00	.3%
WORKERS' COMPENSATION	2,800.86	2,981.00	2,981.00	5,386.00	.00	.00	80.7%
OTHER EMPLOYEE BENEFIT	-8,703.10	104.00	104.00	109.00	.00	.00	4.8%
PERSONNEL	310,235.67	346,620.00	346,620.00	344,242.00	.00	.00	-.7%
20 OPERATIONS & MAINTENANCE							
OUTSIDE PROFESSIONAL S	240,819.17	335,795.00	335,795.00	300,525.00	.00	.00	-10.5%
VEHICLE REPAIR & MAINT	51,545.30	19,800.00	19,800.00	6,100.00	.00	.00	-69.2%
EQUIPMENT REPAIR & MAI	.00	32,000.00	32,000.00	40,000.00	.00	.00	25.0%
RENTALS	.00	250.00	250.00	250.00	.00	.00	.0%
TELECOMMUNICATIONS	1,338.19	1,400.00	1,400.00	1,400.00	.00	.00	.0%
POSTAGE	41.77	250.00	250.00	250.00	.00	.00	.0%
PRINTING & BINDING	420.61	1,000.00	1,000.00	500.00	.00	.00	-50.0%
TRAVEL & TRAINING	4,872.44	5,000.00	5,000.00	6,400.00	.00	.00	28.0%
MEMBERSHIPS & SUBSCRIP	6,140.00	7,500.00	7,500.00	7,500.00	.00	.00	.0%
OFFICE SUPPLIES	1,680.00	2,000.00	2,000.00	1,500.00	.00	.00	-25.0%
GASOLINE	17,363.04	24,500.00	24,500.00	15,000.00	.00	.00	-38.8%
NON-CAPITALIZED EQUIPM	292.95	.00	.00	.00	.00	.00	.0%

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wgomez

TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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bgnyrpts

PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: STORMWATER UTILITY	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
UNIFORMS	415.73	750.00	750.00	750.00	.00	.00	.0%
BAD DEBT EXPENSE	840.81	750.00	750.00	750.00	.00	.00	.0%
FIELD SUPPLIES	261.99	9,000.00	9,000.00	9,000.00	.00	.00	.0%
MISCELLANEOUS OTHER OP	10,012.21	3,407.00	3,407.00	.00	.00	.00	-100.0%
DEPRECIATION	151,086.53	135,000.00	135,000.00	155,000.00	.00	.00	14.8%
SAFETY COMPLIANCE	278.56	500.00	500.00	500.00	.00	.00	.0%
SOFTWARE MAINTENANCE &	1,511.58	1,500.00	1,500.00	1,500.00	.00	.00	.0%
STORMWATER MAINTENANCE OPERATIONS & MAINTENAN	51,460.61 540,381.49	50,000.00 630,402.00	50,000.00 630,402.00	50,000.00 596,925.00	.00 .00	.00 .00	.0% -5.3%
<hr/>							
30 CAPITAL OUTLAY							
MINOR ASSETS	1,973.16	2,500.00	2,500.00	2,000.00	.00	.00	-20.0%
VEHICLE RESERVE-ENTERP CAPITAL OUTLAY	26,250.00 28,223.16	38,000.00 40,500.00	38,000.00 40,500.00	.00 2,000.00	.00 .00	.00 .00	-100.0% -95.1%
<hr/>							
40 OTHER FINANCING USES							
CAPITAL LEASE PRINCIPA	.00	46,288.00	46,288.00	43,937.00	.00	.00	-5.1%
CAPITAL LEASE INTEREST	1,918.66	305.00	305.00	6,063.00	.00	.00	1887.9%
OTHER FINANCING USES	1,918.66	46,593.00	46,593.00	50,000.00	.00	.00	7.3%
TOTAL STORMWATER UTILITY	880,758.98	1,064,115.00	1,064,115.00	993,167.00	.00	.00	-6.7%
GRAND TOTAL	880,758.98	1,064,115.00	1,064,115.00	993,167.00	.00	.00	-6.7%

** END OF REPORT - Generated by WENDY GOMEZ **



CDPW - Public Works Transit Services

Transit Services facilitates partnerships and coordinates transportation services among public and private agencies serving Oro Valley to improve mobility for community residents. Transit Services has developed a long-term partnership with the Regional Transportation Authority (RTA) to improve the transportation network and maximize transportation options available to the community at the lowest possible cost. Transit Services is proud to operate the regional Sun Shuttle Dial-a-Ride service under contract with the RTA. We are committed to providing high quality transit alternatives and planning for the future.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PERSONNEL</u>				
Transit Services Crew Leader	2.00	2.00	2.00	2.00
Transit Specialist	-	-	1.11	1.11
Dispatcher	2.11	2.11	2.11	2.11
Lead Transit Driver	1.00	1.00	-	-
Driver	16.98	16.98	16.50	16.87
Office Assistant	0.96	0.96	0.96	0.96
Total FTEs	23.05	23.05	22.68	23.05

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PROGRAM EXPENDITURES</u>				
Personnel	\$ 948,207	\$ 939,597	\$ 939,597	\$ 1,044,652
O&M	445,499	493,950	446,050	422,950
Capital	10,938	46,000	46,000	131,400
Total Expenditures	\$ 1,404,644	\$ 1,479,547	\$ 1,431,647	\$ 1,599,002

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>REVENUES BY FUNDING SOURCE</u>				
RTA Reimbursement	1,190,795	1,242,000	1,242,000	1,266,400
Fare Box	72,783	65,000	70,000	70,000
Total Revenues	\$ 1,263,578	\$ 1,307,000	\$ 1,312,000	\$ 1,336,400

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wgomez

TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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bgnyrpts

PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: TRANSIT	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
10 PERSONNEL							
REGULAR EMPLOYEES	767,547.31	757,322.00	757,322.00	847,006.00	.00	.00	11.8%
OVERTIME PAY	3,729.62	5,000.00	5,000.00	5,000.00	.00	.00	.0%
GROUP INSURANCE	49,411.70	54,068.00	54,068.00	48,333.00	.00	.00	-10.6%
SOCIAL SECURITY/MEDICA	57,419.88	57,538.00	57,538.00	64,274.00	.00	.00	11.7%
ASRS CONTRIBUTIONS	40,796.86	36,219.00	36,219.00	42,522.00	.00	.00	17.4%
WORKERS' COMPENSATION	28,974.78	29,103.00	29,103.00	37,117.00	.00	.00	27.5%
OTHER EMPLOYEE BENEFIT PERSONNEL	327.24 948,207.39	347.00 939,597.00	347.00 939,597.00	400.00 1,044,652.00	.00 .00	.00 .00	15.3% 11.2%
20 OPERATIONS & MAINTENANCE							
OUTSIDE PROFESSIONAL S	4,341.00	5,000.00	5,000.00	4,000.00	.00	.00	-20.0%
VEHICLE REPAIR & MAINT	164,912.06	164,200.00	164,200.00	146,500.00	.00	.00	-10.8%
EQUIPMENT REPAIR & MAI	3,946.04	1,000.00	1,000.00	2,000.00	.00	.00	100.0%
RENTALS	.00	2,400.00	2,400.00	2,400.00	.00	.00	.0%
INSURANCE	19,960.40	20,800.00	20,800.00	22,700.00	.00	.00	9.1%
FLEET COSTS	2,948.30	.00	.00	.00	.00	.00	.0%
TELECOMMUNICATIONS	9,437.51	9,500.00	9,500.00	9,500.00	.00	.00	.0%
POSTAGE	105.71	150.00	150.00	100.00	.00	.00	-33.3%
PRINTING & BINDING	3,741.18	4,600.00	4,600.00	3,750.00	.00	.00	-18.5%
TRAVEL & TRAINING	1,982.07	6,000.00	6,000.00	5,500.00	.00	.00	-8.3%
MEMBERSHIPS & SUBSCRIP	355.00	500.00	500.00	.00	.00	.00	-100.0%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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bgnyrpts

PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: TRANSIT	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
OFFICE SUPPLIES	6,826.73	8,000.00	8,000.00	7,000.00	.00	.00	-12.5%
GASOLINE	143,078.02	170,000.00	170,000.00	100,000.00	.00	.00	-41.2%
NON-CAPITALIZED EQUIPM	435.73	800.00	800.00	3,000.00	.00	.00	275.0%
UNIFORMS	5,354.99	3,000.00	3,000.00	5,000.00	.00	.00	66.7%
FIELD SUPPLIES	1,299.63	1,500.00	1,500.00	1,500.00	.00	.00	.0%
SAFETY COMPLIANCE	1,528.67	1,500.00	1,500.00	3,000.00	.00	.00	100.0%
VEHICLE REPLACEMENT	60,246.00	65,000.00	65,000.00	62,000.00	.00	.00	-4.6%
VEHICLE RESERVE	15,000.00	30,000.00	30,000.00	45,000.00	.00	.00	50.0%
OPERATIONS & MAINTENAN	445,499.04	493,950.00	493,950.00	422,950.00	.00	.00	-14.4%
<hr/>							
30 CAPITAL OUTLAY							
MINOR ASSETS	99.13	3,500.00	3,500.00	.00	.00	.00	-100.0%
BUILDINGS & IMPROVEMEN	.00	30,000.00	30,000.00	30,000.00	.00	.00	.0%
EQUIPMENT	10,838.48	12,500.00	12,500.00	101,400.00	.00	.00	711.2%
CAPITAL OUTLAY	10,937.61	46,000.00	46,000.00	131,400.00	.00	.00	185.7%
TOTAL TRANSIT	1,404,644.04	1,479,547.00	1,479,547.00	1,599,002.00	.00	.00	8.1%
GRAND TOTAL	1,404,644.04	1,479,547.00	1,479,547.00	1,599,002.00	.00	.00	8.1%

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Finance

The Finance Department is responsible for Town financial activities, including accounting, payroll and accounts payable processing, budget development, coordination and analysis, financial statement preparation, audit coordination, debt management, managerial reporting, sales tax compliance, and participation in a variety of other administrative and special projects. The Department also coordinates the development of the Town's Capital Improvement Program and provides procurement administration for the Town.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PERSONNEL</i>				
Finance Director	1.00	1.00	1.00	1.00
Procurement Administrator	1.00	1.00	1.00	1.00
Finance Manager	1.00	1.00	1.00	1.00
Senior Budget Analyst	1.00	1.00	1.00	1.00
Senior Accountant	1.00	1.00	1.00	1.00
Accounting Specialist	-	-	-	1.00
Payroll Specialist	1.00	1.00	1.00	-
Office Specialist	1.00	1.00	1.00	1.00
Total FTEs	7.00	7.00	7.00	7.00

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PROGRAM EXPENDITURES</i>				
Personnel	\$ 665,554	\$ 712,200	\$ 667,581	\$ 683,860
O&M	56,443	67,560	67,560	72,760
Total Expenditures	\$ 721,997	\$ 779,760	\$ 735,141	\$ 756,620

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>REVENUES BY FUNDING SOURCE</i>				
Sales Tax Audit Recovery Fees	\$ 3,400	\$ 5,000	\$ 4,000	\$ 4,000
Total Revenues	\$ 3,400	\$ 5,000	\$ 4,000	\$ 4,000

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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bgnyrpts

PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: FINANCE	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
10 PERSONNEL							
REGULAR EMPLOYEES	517,203.51	552,184.00	552,184.00	534,436.00	.00	.00	-3.2%
GROUP INSURANCE	49,030.47	53,471.00	53,471.00	46,001.00	.00	.00	-14.0%
SOCIAL SECURITY/MEDICA	38,096.59	41,908.00	41,908.00	40,648.00	.00	.00	-3.0%
ASRS CONTRIBUTIONS	59,995.88	63,335.00	63,335.00	61,353.00	.00	.00	-3.1%
WORKERS' COMPENSATION	982.15	1,059.00	1,059.00	1,167.00	.00	.00	10.2%
OTHER EMPLOYEE BENEFIT	245.43	243.00	243.00	255.00	.00	.00	4.9%
PERSONNEL	665,554.03	712,200.00	712,200.00	683,860.00	.00	.00	-4.0%
20 OPERATIONS & MAINTENANCE							
OUTSIDE PROFESSIONAL S	30,305.00	35,000.00	35,000.00	40,000.00	.00	.00	14.3%
TELECOMMUNICATIONS	1,560.00	1,560.00	1,560.00	1,560.00	.00	.00	.0%
POSTAGE	2,580.09	3,000.00	3,000.00	3,000.00	.00	.00	.0%
PRINTING & BINDING	5,992.40	6,300.00	6,300.00	6,500.00	.00	.00	3.2%
TRAVEL & TRAINING	7,439.77	13,700.00	13,700.00	13,700.00	.00	.00	.0%
MEMBERSHIPS & SUBSCRIP	3,189.48	3,000.00	3,000.00	3,000.00	.00	.00	.0%
OFFICE SUPPLIES	2,764.09	3,000.00	3,000.00	3,500.00	.00	.00	16.7%
NON-CAPITALIZED EQUIPM	1,649.83	1,500.00	1,500.00	1,500.00	.00	.00	.0%
MISCELLANEOUS OTHER OP	962.48	500.00	500.00	.00	.00	.00	-100.0%
OPERATIONS & MAINTENAN	56,443.14	67,560.00	67,560.00	72,760.00	.00	.00	7.7%
TOTAL FINANCE	721,997.17	779,760.00	779,760.00	756,620.00	.00	.00	-3.0%
GRAND TOTAL	721,997.17	779,760.00	779,760.00	756,620.00	.00	.00	-3.0%

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General Administration

The General Administration budget accounts for certain overhead costs such as utility expenses and general liability insurance. It also allocates monetary transfers to subsidize various funds, i.e. debt service and capital projects.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PROGRAM EXPENDITURES</i>				
O&M	\$ 1,803,536	\$ 1,774,970	\$ 1,758,427	\$ 1,716,450
Capital	14,814	30,000	30,000	20,000
Transfer to Highway Fund	-	-	-	100,000
Transfer to Community Center Fund	1,200,000	-	-	-
Transfer to Debt Service Fund	160,965	197,810	197,810	208,304
Transfer to Gen Govt CIP Fund	<u>2,610,000</u>	<u>1,509,000</u>	<u>1,119,177</u>	<u>1,517,000</u>
Total Expenditures	\$ 5,789,315	\$ 3,511,780	\$ 3,105,414	\$ 3,561,754

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>REVENUES BY FUNDING SOURCE</i>				
Transfer from Bed Tax Fund	\$ 185,000	\$ 185,000	\$ 185,000	\$ 185,000
Transfer from Community Center Fund	<u>-</u>	<u>120,000</u>	<u>120,000</u>	<u>120,000</u>
Total Revenues	\$ 185,000	\$ 305,000	\$ 305,000	\$ 305,000

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wgomez

TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

P 1
bgnyrpts

PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: GENERAL ADMINISTRATION	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
20 OPERATIONS & MAINTENANCE							
OUTSIDE PROFESSIONAL S	101,299.46	223,170.00	223,170.00	214,050.00	.00	.00	-4.1%
CUSTODY PRISONERS	119,349.19	130,000.00	130,000.00	125,000.00	.00	.00	-3.8%
WATER & SEWAGE	7,363.18	8,500.00	8,500.00	8,000.00	.00	.00	-5.9%
WASTE DISPOSAL FEES	3,364.38	3,200.00	3,200.00	3,200.00	.00	.00	.0%
VEHICLE REPAIR & MAINT	4,581.52	5,100.00	5,100.00	2,000.00	.00	.00	-60.8%
EQUIPMENT REPAIR & MAI	5,749.91	5,000.00	5,000.00	5,000.00	.00	.00	.0%
RENTALS	2,594.52	3,000.00	3,000.00	6,000.00	.00	.00	100.0%
INSURANCE	260,760.78	175,000.00	175,000.00	190,000.00	.00	.00	8.6%
PRINTING & BINDING	.00	10,000.00	10,000.00	.00	.00	.00	-100.0%
TRAVEL & TRAINING	2,104.85	3,500.00	3,500.00	3,500.00	.00	.00	.0%
MEMBERSHIPS & SUBSCRIP	332.75	500.00	500.00	500.00	.00	.00	.0%
OFFICE SUPPLIES	10,619.89	10,000.00	10,000.00	10,000.00	.00	.00	.0%
NATURAL GAS & ELECTRIC	26,805.70	42,500.00	42,500.00	40,000.00	.00	.00	-5.9%
GASOLINE	1,447.07	2,000.00	2,000.00	1,200.00	.00	.00	-40.0%
MISCELLANEOUS OTHER OP	6,740.28	1,500.00	1,500.00	.00	.00	.00	-100.0%
ANNEXATION EXPENSES	535.10	10,000.00	10,000.00	2,500.00	.00	.00	-75.0%
VEHICLE RESERVE	2,499.96	5,000.00	5,000.00	5,000.00	.00	.00	.0%
PAYMENTS TO OUTSIDE AG	.00	.00	.00	88,000.00	.00	.00	.0%
RETAIL SALES TAX REBAT	1,223,824.00	985,000.00	985,000.00	860,000.00	.00	.00	-12.7%
FINGER PRINTING	1,914.00	2,000.00	2,000.00	2,500.00	.00	.00	25.0%

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wgomez

TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

P 2
bgnyrpts

PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: GENERAL ADMINISTRATION	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
ANIMAL CONTROL SERVICE	21,649.53	150,000.00	150,000.00	150,000.00	.00	.00	.0%
OPERATIONS & MAINTENAN	1,803,536.07	1,774,970.00	1,774,970.00	1,716,450.00	.00	.00	-3.3%
<hr/>							
30 CAPITAL OUTLAY							
MINOR ASSETS	5,659.27	.00	.00	.00	.00	.00	.0%
EQUIPMENT	9,154.97	30,000.00	30,000.00	20,000.00	.00	.00	-33.3%
CAPITAL OUTLAY	14,814.24	30,000.00	30,000.00	20,000.00	.00	.00	-33.3%
<hr/>							
40 OTHER FINANCING USES							
TRANSFER TO SPECIAL RE	1,200,000.00	.00	.00	100,000.00	.00	.00	.0%
TRANSFER TO DEBT SERVI	160,965.00	197,810.00	197,810.00	208,304.00	.00	.00	5.3%
TRANSFER TO CAPITAL PR	2,610,000.00	1,084,000.00	1,509,000.00	1,517,000.00	.00	.00	.5%
OTHER FINANCING USES	3,970,965.00	1,281,810.00	1,706,810.00	1,825,304.00	.00	.00	6.9%
TOTAL GENERAL ADMINISTRATION	5,789,315.31	3,086,780.00	3,511,780.00	3,561,754.00	.00	.00	1.4%
GRAND TOTAL	5,789,315.31	3,086,780.00	3,511,780.00	3,561,754.00	.00	.00	1.4%

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Human Resources

The Human Resources Department provides services and support in the following areas: policy and procedure administration and compliance, compensation and benefits, training and education, performance management, and employee and labor relations.

	<u>FY 2015 Actual</u>	<u>FY 2016 Budget</u>	<u>FY 2016 Projected</u>	<u>FY 2017 Budget</u>
<u>PERSONNEL</u>				
Human Resource Director	1.00	1.00	1.00	1.00
Human Resource Analyst	2.00	2.00	2.00	2.00
Office Specialist	<u>0.50</u>	<u>0.50</u>	<u>0.50</u>	<u>0.50</u>
Total FTEs	3.50	3.50	3.50	3.50

	<u>FY 2015 Actual</u>	<u>FY 2016 Budget</u>	<u>FY 2016 Projected</u>	<u>FY 2017 Budget</u>
<u>PROGRAM EXPENDITURES</u>				
Personnel	\$ 243,771	\$ 289,393	\$ 289,393	\$ 288,954
O&M	<u>115,499</u>	<u>77,382</u>	<u>69,382</u>	<u>72,239</u>
Total Expenditures	\$ 359,270	\$ 366,775	\$ 358,775	\$ 361,193

REVENUES BY FUNDING SOURCE

Funded 100% with General Fund revenues

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: HUMAN RESOURCES	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
10 PERSONNEL							
REGULAR EMPLOYEES	188,635.09	227,919.00	227,919.00	229,940.00	.00	.00	.9%
GROUP INSURANCE	17,649.48	17,480.00	17,480.00	14,485.00	.00	.00	-17.1%
SOCIAL SECURITY/MEDICA	14,154.01	17,310.00	17,310.00	17,521.00	.00	.00	1.2%
ASRS CONTRIBUTIONS	22,827.36	26,143.00	26,143.00	26,397.00	.00	.00	1.0%
WORKERS' COMPENSATION	404.80	437.00	437.00	502.00	.00	.00	14.9%
OTHER EMPLOYEE BENEFIT	99.99	104.00	104.00	109.00	.00	.00	4.8%
PERSONNEL	243,770.73	289,393.00	289,393.00	288,954.00	.00	.00	-.2%
20 OPERATIONS & MAINTENANCE							
OUTSIDE PROFESSIONAL S	75,142.50	9,000.00	9,000.00	6,000.00	.00	.00	-33.3%
TELECOMMUNICATIONS	390.00	800.00	800.00	800.00	.00	.00	.0%
POSTAGE	187.18	200.00	200.00	400.00	.00	.00	100.0%
PRINTING & BINDING	.00	300.00	300.00	300.00	.00	.00	.0%
TRAVEL & TRAINING	3,119.92	7,400.00	7,400.00	3,639.00	.00	.00	-50.8%
MEMBERSHIPS & SUBSCRIP	620.00	1,682.00	1,682.00	1,100.00	.00	.00	-34.6%
OFFICE SUPPLIES	3,602.70	3,000.00	3,000.00	2,000.00	.00	.00	-33.3%
NON-CAPITALIZED EQUIPM	1,174.53	.00	.00	.00	.00	.00	.0%
RECRUITMENT-ADVERTISIN	5,517.58	12,000.00	12,000.00	9,000.00	.00	.00	-25.0%
EMPLOYEE SERVICE AWARD	11,362.46	13,000.00	13,000.00	14,000.00	.00	.00	7.7%
EMPLOYEE HOLIDAY PARTY	4,770.02	5,000.00	5,000.00	5,000.00	.00	.00	.0%
TUITION REIMBURSEMENTS	9,612.00	25,000.00	25,000.00	20,000.00	.00	.00	-20.0%
EMPLOYEE CERT REIMBURS	.00	.00	.00	10,000.00	.00	.00	.0%
OPERATIONS & MAINTENAN	115,498.89	77,382.00	77,382.00	72,239.00	.00	.00	-6.6%
TOTAL HUMAN RESOURCES	359,269.62	366,775.00	366,775.00	361,193.00	.00	.00	-1.5%
GRAND TOTAL	359,269.62	366,775.00	366,775.00	361,193.00	.00	.00	-1.5%



Information Technology

The Information Technology (IT) Department identifies, implements and supports technology needs throughout all Town departments to support their business needs.

PERSONNEL

FY 2015 Actual	7.00
FY 2016 Budget	7.00
FY 2016 Projected	7.00
FY 2017 Budget	7.00

<u>EXPENDITURES BY PROGRAM AREA</u>	<u>FY 2015 Actual</u>	<u>FY 2016 Budget</u>	<u>FY 2016 Projected</u>	<u>FY 2017 Budget</u>
Administration	\$ 477,079	\$ 645,333	\$ 645,333	\$ 735,221
GIS Services	181,688	193,820	193,820	195,375
Technical Services	346,081	335,831	335,831	355,387
Business Applications & Development	151,011	200,592	200,592	188,482
Telecommunications	<u>208,733</u>	<u>195,750</u>	<u>195,750</u>	<u>207,830</u>
Total Expenditures	\$ 1,364,592	\$ 1,571,326	\$ 1,571,326	\$ 1,682,295

<u>REVENUES BY FUNDING SOURCE</u>	<u>FY 2015 Actual</u>	<u>FY 2016 Budget</u>	<u>FY 2016 Projected</u>	<u>FY 2017 Budget</u>
Charges to Water Utility Fund for GIS Personnel Services	\$ 91,170	\$ 93,645	\$ 93,645	\$ 97,160
Charges to Stormwater Utility Fund for GIS Personnel Services	<u>20,575</u>	<u>25,575</u>	<u>25,575</u>	<u>25,575</u>
Total Revenues	\$ 111,745	\$ 119,220	\$ 119,220	\$ 122,735

IT - Administration

The Administration program manages all of Information Technology's logistics including procurements, budget information and operations, and management and oversight.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PERSONNEL</i>				
IT Director	1.00	1.00	1.00	1.00
Total FTEs	1.00	1.00	1.00	1.00

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PROGRAM EXPENDITURES</i>				
Personnel	\$ 138,755	\$ 144,693	\$ 144,693	\$ 152,288
O&M	338,324	500,640	500,640	582,933
Total Expenditures	\$ 477,079	\$ 645,333	\$ 645,333	\$ 735,221

IT - GIS Services

The GIS Services program is responsible for providing complete, accurate and current Geographic Information System maps, analysis, proposals, and presentations to support the operations used by each department.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PERSONNEL</u>				
Senior GIS Specialist	1.00	1.00	1.00	1.00
GIS Analyst	1.00	1.00	1.00	1.00
Total FTEs	2.00	2.00	2.00	2.00

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PROGRAM EXPENDITURES</u>				
Personnel	\$ 172,591	\$ 182,320	\$ 182,320	\$ 183,875
O&M	9,097	11,500	11,500	11,500
Total Expenditures	\$ 181,688	\$ 193,820	\$ 193,820	\$ 195,375

IT - Technical Services

The Technical Services program provides management and security of the Town's computer networks, desktop and network technology acquisition, support, and training.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PERSONNEL</i>				
Network Administrator	1.00	1.00	1.00	1.00
IT Analyst	1.00	1.00	1.00	1.00
Total FTEs	2.00	2.00	2.00	2.00

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PROGRAM EXPENDITURES</i>				
Personnel	\$ 140,930	\$ 167,821	\$ 167,821	\$ 165,542
O&M	71,521	28,300	28,300	59,800
Capital	133,630	139,710	139,710	130,045
Total Expenditures	\$ 346,081	\$ 335,831	\$ 335,831	\$ 355,387

IT - Business Application & Development

The Business Application & Development program is responsible for application development and support, database management, project management, website support, and development of Electronic Government (E-Gov) and future E-commerce applications.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PERSONNEL</i>				
Systems Analyst	1.00	1.00	1.00	1.00
Database Analyst	1.00	1.00	1.00	1.00
Total FTEs	2.00	2.00	2.00	2.00

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PROGRAM EXPENDITURES</i>				
Personnel	\$ 144,876	\$ 190,592	\$ 148,364	\$ 178,482
O&M	6,135	10,000	52,228	10,000
Total Expenditures	\$ 151,011	\$ 200,592	\$ 200,592	\$ 188,482

IT - Telecommunications

The Telecommunications program is responsible for the management of all voice and data systems including the Town's PBX (private branch exchange) phone system, voice mail, long distance, internet access, wireless and point-to-point communication.

	<u>FY 2015 Actual</u>	<u>FY 2016 Budget</u>	<u>FY 2016 Projected</u>	<u>FY 2017 Budget</u>
<i><u>PROGRAM EXPENDITURES</u></i>				
O&M	<u>\$ 208,733</u>	<u>\$ 195,750</u>	<u>\$ 195,750</u>	<u>\$ 207,830</u>
Total Expenditures	<u>\$ 208,733</u>	<u>\$ 195,750</u>	<u>\$ 195,750</u>	<u>\$ 207,830</u>

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: INFORMATION TECHNOLOGY	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
101 ADMINISTRATION							
10 PERSONNEL							
5001 REGULAR EMPLOYEES							
REGULAR EMPLOYEES	110,207.74	114,682.00	114,682.00	115,666.00	.00	.00	.9%
GROUP INSURANCE	6,964.16	7,684.00	7,684.00	14,182.00	.00	.00	84.6%
SOCIAL SECURITY/MEDICA	8,347.79	8,710.00	8,710.00	8,655.00	.00	.00	-.6%
ASRS CONTRIBUTIONS	12,784.15	13,154.00	13,154.00	13,278.00	.00	.00	.9%
WORKERS' COMPENSATION	206.09	220.00	220.00	252.00	.00	.00	14.5%
OTHER EMPLOYEE BENEFIT	245.43	243.00	243.00	255.00	.00	.00	4.9%
PERSONNEL	138,755.36	144,693.00	144,693.00	152,288.00	.00	.00	5.2%
20 OPERATIONS & MAINTENANCE							
OUTSIDE PROFESSIONAL S	14,032.86	.00	.00	.00	.00	.00	.0%
POSTAGE	172.91	200.00	200.00	200.00	.00	.00	.0%
TRAVEL & TRAINING	8,897.04	4,000.00	4,000.00	23,700.00	.00	.00	492.5%
MEMBERSHIPS & SUBSCRIP	1,256.13	1,620.00	1,620.00	1,620.00	.00	.00	.0%
OFFICE SUPPLIES	2,590.25	1,500.00	1,500.00	2,000.00	.00	.00	33.3%
SOFTWARE MAINTENANCE & OPERATIONS & MAINTENAN ADMINISTRATION	311,374.37 338,323.56 477,078.92	493,320.00 500,640.00 645,333.00	493,320.00 500,640.00 645,333.00	555,413.00 582,933.00 735,221.00	.00 .00 .00	.00 .00 .00	12.6% 16.4% 13.9%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: INFORMATION TECHNOLOGY	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
171 INFO TECHNOLOGY-GIS							
10 PERSONNEL							
REGULAR EMPLOYEES	130,752.77	137,582.00	137,582.00	138,856.00	.00	.00	.9%
GROUP INSURANCE	16,718.31	18,362.00	18,362.00	18,346.00	.00	.00	-.1%
SOCIAL SECURITY/MEDICA	9,705.18	10,331.00	10,331.00	10,429.00	.00	.00	.9%
ASRS CONTRIBUTIONS	15,167.35	15,781.00	15,781.00	15,941.00	.00	.00	1.0%
WORKERS' COMPENSATION	246.96	264.00	264.00	303.00	.00	.00	14.8%
PERSONNEL	172,590.57	182,320.00	182,320.00	183,875.00	.00	.00	.9%
20 OPERATIONS & MAINTENANCE							
TRAVEL & TRAINING	6,032.09	8,800.00	8,800.00	8,800.00	.00	.00	.0%
MEMBERSHIPS & SUBSCRIP	290.00	700.00	700.00	700.00	.00	.00	.0%
OFFICE SUPPLIES	2,775.05	2,000.00	2,000.00	2,000.00	.00	.00	.0%
OPERATIONS & MAINTENAN	9,097.14	11,500.00	11,500.00	11,500.00	.00	.00	.0%
INFO TECHNOLOGY-GIS	181,687.71	193,820.00	193,820.00	195,375.00	.00	.00	.8%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: INFORMATION TECHNOLOGY	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
<hr/>							
172 INFO TECHNOLOGY-TECHNICAL SERV							
<hr/>							
10 PERSONNEL							
REGULAR EMPLOYEES	102,545.33	121,111.00	121,111.00	119,182.00	.00	.00	-1.6%
GROUP INSURANCE	18,791.71	23,619.00	23,619.00	23,597.00	.00	.00	-.1%
SOCIAL SECURITY/MEDICA	7,528.25	8,968.00	8,968.00	8,821.00	.00	.00	-1.6%
ASRS CONTRIBUTIONS	11,848.83	13,891.00	13,891.00	13,682.00	.00	.00	-1.5%
WORKERS' COMPENSATION	215.89	232.00	232.00	260.00	.00	.00	12.1%
PERSONNEL	140,930.01	167,821.00	167,821.00	165,542.00	.00	.00	-1.4%
<hr/>							
20 OPERATIONS & MAINTENANCE							
OUTSIDE PROFESSIONAL S	27,723.93	1,800.00	1,800.00	1,800.00	.00	.00	.0%
EQUIPMENT REPAIR & MAI	34,226.35	20,000.00	20,000.00	43,000.00	.00	.00	115.0%
TRAVEL & TRAINING	9,571.00	6,500.00	6,500.00	6,500.00	.00	.00	.0%
SOFTWARE MAINTENANCE & OPERATIONS & MAINTENAN	.00 71,521.28	.00 28,300.00	.00 28,300.00	8,500.00 59,800.00	.00 .00	.00 .00	.0% 111.3%
<hr/>							
30 CAPITAL OUTLAY							
MINOR ASSETS	66,854.76	79,710.00	79,710.00	120,045.00	.00	.00	50.6%
EQUIPMENT	66,775.08	60,000.00	60,000.00	10,000.00	.00	.00	-83.3%
CAPITAL OUTLAY	133,629.84	139,710.00	139,710.00	130,045.00	.00	.00	-6.9%
INFO TECHNOLOGY-TECHNI	346,081.13	335,831.00	335,831.00	355,387.00	.00	.00	5.8%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: INFORMATION TECHNOLOGY	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
173 INFO TECH-BUS APPL & DEVELOP							
10 PERSONNEL							
REGULAR EMPLOYEES	111,678.07	148,155.00	148,155.00	130,000.00	.00	.00	-12.3%
GROUP INSURANCE	10,256.32	13,929.00	13,929.00	23,625.00	.00	.00	69.6%
SOCIAL SECURITY/MEDICA	8,654.51	11,231.00	11,231.00	9,649.00	.00	.00	-14.1%
ASRS CONTRIBUTIONS	12,231.00	16,993.00	16,993.00	14,924.00	.00	.00	-12.2%
WORKERS' COMPENSATION	262.50	284.00	284.00	284.00	.00	.00	.0%
UNEMPLOYMENT INSURANCE	1,793.88	.00	.00	.00	.00	.00	.0%
PERSONNEL	144,876.28	190,592.00	190,592.00	178,482.00	.00	.00	-6.4%
20 OPERATIONS & MAINTENANCE							
OUTSIDE PROFESSIONAL S	3,534.93	.00	.00	.00	.00	.00	.0%
TRAVEL & TRAINING	1,526.23	10,000.00	10,000.00	10,000.00	.00	.00	.0%
OFFICE SUPPLIES	1,073.34	.00	.00	.00	.00	.00	.0%
OPERATIONS & MAINTENAN	6,134.50	10,000.00	10,000.00	10,000.00	.00	.00	.0%
INFO TECH-BUS APPL & D	151,010.78	200,592.00	200,592.00	188,482.00	.00	.00	-6.0%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: INFORMATION TECHNOLOGY	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
174 INFO TECHNOLOGY-TELECOMMUNICAT							
20 OPERATIONS & MAINTENANCE							
EQUIPMENT REPAIR & MAI	27,000.81	21,000.00	21,000.00	24,000.00	.00	.00	14.3%
TELECOMMUNICATIONS	181,732.24	174,750.00	174,750.00	183,830.00	.00	.00	5.2%
SOFTWARE MAINTENANCE & OPERATIONS & MAINTENAN	.00	.00	.00	.00	.00	.00	.0%
INFO TECHNOLOGY-TELECO	208,733.05	195,750.00	195,750.00	207,830.00	.00	.00	6.2%
TOTAL INFORMATION TECHNOLOGY	1,364,591.59	1,571,326.00	1,571,326.00	1,682,295.00	.00	.00	7.1%
GRAND TOTAL	1,364,591.59	1,571,326.00	1,571,326.00	1,682,295.00	.00	.00	7.1%

** END OF REPORT - Generated by WENDY GOMEZ **



Legal

The Legal Services Department is managed by the Legal Services Director. A contract attorney is hired by the Mayor and Council to act as their chief legal advisor. The Legal Services Department is committed to providing the highest quality representation possible to meet the present and future needs of the Town in an efficient and effective manner.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PERSONNEL</u>				
Legal Services Director	1.00	1.00	1.00	1.00
Chief Civil Deputy Attorney	1.00	1.00	1.00	1.00
Assistant Town Prosecutor	1.00	1.00	1.00	1.00
Senior Paralegal	1.00	1.00	1.00	1.00
Paralegal I	1.00	1.00	1.00	1.00
Legal Secretary	1.00	1.00	1.00	1.00
Total FTEs	6.00	6.00	6.00	6.00

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PROGRAM EXPENDITURES</u>				
Personnel	\$ 600,146	\$ 620,387	\$ 620,387	\$ 630,327
O&M	126,449	139,450	101,716	121,700
Capital	-	5,000	-	5,000
Total Expenditures	\$ 726,595	\$ 764,837	\$ 722,103	\$ 757,027

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>REVENUES BY FUNDING SOURCE</u>				
State Grants	\$ -	\$ 5,000	\$ -	\$ 5,000
Total Revenues	\$ -	\$ 5,000	\$ -	\$ 5,000

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: LEGAL	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
<hr/>							
10 PERSONNEL							
REGULAR EMPLOYEES	466,909.45	482,342.00	482,342.00	490,324.00	.00	.00	1.7%
GROUP INSURANCE	41,333.60	45,150.00	45,150.00	45,397.00	.00	.00	.5%
SOCIAL SECURITY/MEDICA	34,726.39	36,514.00	36,514.00	37,118.00	.00	.00	1.7%
ASRS CONTRIBUTIONS	56,161.39	55,325.00	55,325.00	56,289.00	.00	.00	1.7%
WORKERS' COMPENSATION	797.31	848.00	848.00	981.00	.00	.00	15.7%
OTHER EMPLOYEE BENEFIT	218.16	208.00	208.00	218.00	.00	.00	4.8%
PERSONNEL	600,146.30	620,387.00	620,387.00	630,327.00	.00	.00	1.6%
<hr/>							
20 OPERATIONS & MAINTENANCE							
OUTSIDE PROFESSIONAL S	88,366.60	88,000.00	88,000.00	76,000.00	.00	.00	-13.6%
EQUIPMENT REPAIR & MAI	3,191.50	7,000.00	7,000.00	5,000.00	.00	.00	-28.6%
POSTAGE	1,754.04	3,000.00	3,000.00	2,500.00	.00	.00	-16.7%
PRINTING & BINDING	1,636.10	2,700.00	2,700.00	2,000.00	.00	.00	-25.9%
TRAVEL & TRAINING	1,173.88	3,000.00	3,000.00	3,000.00	.00	.00	.0%
MEMBERSHIPS & SUBSCRIP	25,601.31	30,000.00	30,000.00	28,000.00	.00	.00	-6.7%
OFFICE SUPPLIES	4,725.93	5,500.00	5,500.00	3,500.00	.00	.00	-36.4%
NON-CAPITALIZED EQUIPM	.00	250.00	250.00	1,700.00	.00	.00	580.0%
OPERATIONS & MAINTENAN	126,449.36	139,450.00	139,450.00	121,700.00	.00	.00	-12.7%
<hr/>							
30 CAPITAL OUTLAY							
EQUIPMENT	.00	5,000.00	5,000.00	5,000.00	.00	.00	.0%
CAPITAL OUTLAY	.00	5,000.00	5,000.00	5,000.00	.00	.00	.0%
TOTAL LEGAL	726,595.66	764,837.00	764,837.00	757,027.00	.00	.00	-1.0%
GRAND TOTAL	726,595.66	764,837.00	764,837.00	757,027.00	.00	.00	-1.0%

** END OF REPORT - Generated by WENDY GOMEZ **



Magistrate Court

The Oro Valley Magistrate Court is charged with the processing and adjudication by trial, hearing or otherwise, of all cases filed in the Court, including misdemeanor criminal and traffic cases, civil traffic cases and Town Code violations; the collection of fines, surcharges, restitution and other fees; issuing Domestic Violence Orders of Protection and Injunctions Against Harassment; taking applications for and issuing marriage licenses and performing weddings. Services rendered by the Court are governed by rules set by the Arizona Supreme Court, statutes and/or ordinances enacted by the Arizona Legislature and/or the Oro Valley Town Council.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PERSONNEL</u>				
Magistrate Judge	1.00	1.00	1.00	1.00
Court Administrator	1.00	1.00	1.00	1.00
Courtroom Clerk	1.00	1.00	1.00	1.00
Senior Court Clerk	3.00	3.00	3.00	3.00
Court Clerk	1.00	1.00	1.00	1.00
Bailiff	1.00	1.00	1.00	1.00
Total FTEs	8.00	8.00	8.00	8.00

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PROGRAM EXPENDITURES</u>				
Personnel	\$ 655,789	\$ 698,239	\$ 698,239	\$ 702,872
O&M	100,707	124,390	105,590	118,480
Capital	2,065	15,000	-	15,000
Total Expenditures	\$ 758,561	\$ 837,629	\$ 803,829	\$ 836,352

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>REVENUES BY FUNDING SOURCE</u>				
Court Costs	\$ 138,270	\$ 120,000	\$ 140,000	\$ 130,000
Probation Monitoring Fees	50	-	-	-
Public Defender Fees	1,697	2,000	850	1,000
Fines	148,050	120,000	140,000	130,000
Total Revenues	\$ 288,067	\$ 242,000	\$ 280,850	\$ 261,000

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: MAGISTRATE COURT	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
<hr/>							
10 PERSONNEL							
REGULAR EMPLOYEES	479,444.06	505,753.00	505,753.00	513,122.00	.00	.00	1.5%
OVERTIME PAY	787.56	6,000.00	6,000.00	8,000.00	.00	.00	33.3%
UNIFORM ALLOWANCE	1,200.00	1,200.00	1,200.00	1,200.00	.00	.00	.0%
GROUP INSURANCE	74,728.59	81,616.00	81,616.00	75,050.00	.00	.00	-8.0%
SOCIAL SECURITY/MEDICA	35,029.20	38,208.00	38,208.00	39,055.00	.00	.00	2.2%
APRS CONTRIBUTIONS	10,686.97	11,675.00	11,675.00	13,445.00	.00	.00	15.2%
ASRS CONTRIBUTIONS	49,683.39	50,634.00	50,634.00	51,694.00	.00	.00	2.1%
WORKERS' COMPENSATION	2,589.07	2,876.00	2,876.00	1,015.00	.00	.00	-64.7%
OTHER EMPLOYEE BENEFIT	290.88	277.00	277.00	291.00	.00	.00	5.1%
UNEMPLOYMENT INSURANCE	1,349.16	.00	.00	.00	.00	.00	.0%
PERSONNEL	655,788.88	698,239.00	698,239.00	702,872.00	.00	.00	.7%
<hr/>							
20 OPERATIONS & MAINTENANCE							
OUTSIDE PROFESSIONAL S	15,103.77	16,700.00	16,700.00	13,500.00	.00	.00	-19.2%
JURY FEES	1,412.74	1,500.00	1,500.00	1,500.00	.00	.00	.0%
COURT APPOINTED ATTORN	33,725.71	45,000.00	45,000.00	45,000.00	.00	.00	.0%
EQUIPMENT REPAIR & MAI	778.44	2,800.00	2,800.00	1,000.00	.00	.00	-64.3%
RENTALS	11,141.55	15,000.00	15,000.00	15,000.00	.00	.00	.0%
INSURANCE	16,467.32	17,000.00	17,000.00	18,500.00	.00	.00	8.8%
TELECOMMUNICATIONS	780.00	1,390.00	1,390.00	1,680.00	.00	.00	20.9%
POSTAGE	2,302.72	3,100.00	3,100.00	2,600.00	.00	.00	-16.1%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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bgnyrpts

PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: MAGISTRATE COURT	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
PRINTING & BINDING	1,817.75	3,800.00	3,800.00	3,500.00	.00	.00	-7.9%
TRAVEL & TRAINING	1,932.41	5,700.00	5,700.00	5,200.00	.00	.00	-8.8%
MEMBERSHIPS & SUBSCRIP	5,407.90	4,700.00	4,700.00	5,100.00	.00	.00	8.5%
OFFICE SUPPLIES	6,668.35	5,400.00	5,400.00	4,900.00	.00	.00	-9.3%
NON-CAPITALIZED EQUIPM	2,411.58	1,000.00	1,000.00	1,000.00	.00	.00	.0%
MISCELLANEOUS OTHER OP OPERATIONS & MAINTENAN	756.92 100,707.16	1,300.00 124,390.00	1,300.00 124,390.00	.00 118,480.00	.00 .00	.00 .00	-100.0% -4.8%
<hr/>							
30 CAPITAL OUTLAY							
MINOR ASSETS	2,064.52	.00	.00	.00	.00	.00	.0%
EQUIPMENT	.00	15,000.00	15,000.00	15,000.00	.00	.00	.0%
CAPITAL OUTLAY	2,064.52	15,000.00	15,000.00	15,000.00	.00	.00	.0%
TOTAL MAGISTRATE COURT	758,560.56	837,629.00	837,629.00	836,352.00	.00	.00	-.2%
GRAND TOTAL	758,560.56	837,629.00	837,629.00	836,352.00	.00	.00	-.2%

** END OF REPORT - Generated by WENDY GOMEZ **



Town Manager's Office

The Town Manager is responsible for the proper management and administration of the Town and serves as the Chief Administrative Officer of the government under the direction of the Town Council. The Town Manager is further responsible for the promotion of economic development (funded by the Bed Tax Fund), intergovernmental programs, communications, and for coordination of the administrative functions of the various departments, divisions, boards, and services of the Town government. The Town of Oro Valley is made up of the following departments and/or offices: Town Manager, Town Clerk; Human Resources; Finance; Legal Services; Police; Water Utility; Community Development & Public Works; Parks & Recreation; Information Technology, and Magistrate Court.

PERSONNEL

FY 2015 Actual	10.38
FY 2016 Budget	10.38
FY 2016 Projected	10.38
FY 2017 Budget	10.38

EXPENDITURES BY PROGRAM AREA - GENERAL FUND

	<u>FY 2015 Actual</u>	<u>FY 2016 Budget</u>	<u>FY 2016 Projected</u>	<u>FY 2017 Budget</u>
Administration	\$ 396,291	\$ 432,003	\$ 432,003	\$ 451,802
Communications & Constituent Svcs.	323,820	337,518	337,518	336,212
Total Expenditures	\$ 720,111	\$ 769,521	\$ 769,521	\$ 788,014

EXPENDITURES BY PROGRAM AREA - BED TAX FUND

	<u>FY 2015 Actual</u>	<u>FY 2016 Budget</u>	<u>FY 2016 Projected</u>	<u>FY 2017 Budget</u>
Economic Development	\$ 610,953	\$ 672,732	\$ 667,104	\$ 680,897
Total Expenditures	\$ 610,953	\$ 672,732	\$ 667,104	\$ 680,897

Town Mgr's Office - Administration

The Town Manager's office is responsible for the fiscal health of the Town government, and for direction and coordination of the administrative functions of the various departments, divisions, boards, and services of the Town Government. The Town Manager's office provides staff support to the Town Council, handles media relations, promotes the Town's legislative agenda through intergovernmental programs, and seeks opportunities for partnerships and financial assistance at the county, state and federal levels through grants, legislation and federal appropriation requests. The Town Manager's office also maintains citizen and community relations, as well as Oro Valley representation on regional boards and quasi-governmental councils to keep the Town's needs and interests considered in regional decision-making.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PERSONNEL</i>				
Town Manager	1.00	1.00	1.00	1.00
Assistant to the Town Manager	1.00	1.00	1.00	1.00
Executive Assistant	1.00	1.00	1.00	1.00
Senior Office Specialist	0.50	0.50	0.50	0.50
Management Intern	0.38	0.38	0.38	0.38
Total FTEs	3.88	3.88	3.88	3.88

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PROGRAM EXPENDITURES</i>				
Personnel	\$ 379,109	\$ 409,903	\$ 409,903	\$ 427,932
O&M	14,652	22,100	22,100	23,870
Capital Outlay	2,530	-	-	-
Total Expenditures	\$ 396,291	\$ 432,003	\$ 432,003	\$ 451,802

Town Mgr's Office - Communications & Constituent Svcs

The Communications Division manages and facilitates all media relations on behalf of the organization. The Communications Administrator is responsible for the oversight of communication, branding, marketing related programs, activities and project management. In addition, the division plans, develops and produces publications and services designed to facilitate communication between Town leadership and residents in order to keep residents informed about Town services, activities and programs. Town staff also provides administrative support to the Town leadership through the Constituent Services Office (CSO) where concerns, complaints, inquiries, referrals and information requests are addressed with excellent customer service and a common sense approach. The Constituent Services Coordinator facilitates public education efforts, coordinates departmental responses, and ensures that constituent voices and perspectives are consistently captured and transmitted to Town leadership. Constituent issues are tracked to monitor changing community needs and desires, allowing the Town leadership to adjust policies and budget options in order to better serve town residents.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>Personnel</i>				
Communications Administrator	1.00	1.00	1.00	1.00
New Media Developer	1.00	1.00	1.00	1.00
Constituent Services Coordinator	1.00	1.00	1.00	1.00
Senior Office Specialist	0.50	0.50	0.50	0.50
Total FTEs	3.50	3.50	3.50	3.50

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>Program Expenditures</i>				
Personnel	\$ 299,939	\$ 304,853	\$ 304,853	\$ 304,332
O&M	23,881	32,665	32,665	31,880
Total Expenditures	\$ 323,820	\$ 337,518	\$ 337,518	\$ 336,212

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: TOWN MANAGER	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
101 ADMINISTRATION							
10 PERSONNEL							
5001 REGULAR EMPLOYEES							
REGULAR EMPLOYEES	301,185.72	329,475.00	329,475.00	340,176.00	.00	.00	3.2%
GROUP INSURANCE	23,390.10	17,815.00	17,815.00	22,997.00	.00	.00	29.1%
SOCIAL SECURITY/MEDICA	19,300.06	25,141.00	25,141.00	25,857.00	.00	.00	2.8%
ASRS CONTRIBUTIONS	34,360.37	36,597.00	36,597.00	37,904.00	.00	.00	3.6%
WORKERS' COMPENSATION	591.25	632.00	632.00	743.00	.00	.00	17.6%
OTHER EMPLOYEE BENEFIT	281.79	243.00	243.00	255.00	.00	.00	4.9%
PERSONNEL	379,109.29	409,903.00	409,903.00	427,932.00	.00	.00	4.4%
20 OPERATIONS & MAINTENANCE							
TELECOMMUNICATIONS	1,731.26	2,400.00	2,400.00	1,400.00	.00	.00	-41.7%
POSTAGE	51.01	100.00	100.00	100.00	.00	.00	.0%
PRINTING & BINDING	120.87	500.00	500.00	500.00	.00	.00	.0%
TRAVEL & TRAINING	5,282.77	8,700.00	8,700.00	13,300.00	.00	.00	52.9%
MEMBERSHIPS & SUBSCRIP	3,257.71	3,900.00	3,900.00	3,970.00	.00	.00	1.8%
OFFICE SUPPLIES	1,658.03	3,500.00	3,500.00	3,400.00	.00	.00	-2.9%
NON-CAPITALIZED EQUIPM	.00	500.00	500.00	700.00	.00	.00	40.0%
UNIFORMS	.00	1,000.00	1,000.00	500.00	.00	.00	-50.0%
MISCELLANEOUS OTHER OP	2,550.14	1,500.00	1,500.00	.00	.00	.00	-100.0%
OPERATIONS & MAINTENAN	14,651.79	22,100.00	22,100.00	23,870.00	.00	.00	8.0%
30 CAPITAL OUTLAY							

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: TOWN MANAGER	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
MINOR ASSETS	2,529.61	.00	.00	.00	.00	.00	.0%
CAPITAL OUTLAY	2,529.61	.00	.00	.00	.00	.00	.0%
ADMINISTRATION	396,290.69	432,003.00	432,003.00	451,802.00	.00	.00	4.6%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: TOWN MANAGER	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
132 TM-COMMUNICATIONS & CONS SVCS							
10 PERSONNEL							
REGULAR EMPLOYEES	241,487.92	235,435.00	235,435.00	236,020.00	.00	.00	.2%
GROUP INSURANCE	12,026.00	24,146.00	24,146.00	22,840.00	.00	.00	-5.4%
SOCIAL SECURITY/MEDICA	17,994.20	17,817.00	17,817.00	17,862.00	.00	.00	.3%
ASRS CONTRIBUTIONS	28,012.89	27,004.00	27,004.00	27,095.00	.00	.00	.3%
WORKERS' COMPENSATION	417.88	451.00	451.00	515.00	.00	.00	14.2%
PERSONNEL	299,938.89	304,853.00	304,853.00	304,332.00	.00	.00	-.2%
20 OPERATIONS & MAINTENANCE							
OUTSIDE PROFESSIONAL S	486.36	750.00	750.00	750.00	.00	.00	.0%
EQUIPMENT REPAIR & MAI	.00	500.00	500.00	500.00	.00	.00	.0%
TELECOMMUNICATIONS	1,080.00	1,080.00	1,080.00	1,080.00	.00	.00	.0%
POSTAGE	315.98	1,250.00	1,250.00	250.00	.00	.00	-80.0%
PRINTING & BINDING	10,316.03	12,000.00	12,000.00	14,000.00	.00	.00	16.7%
TRAVEL & TRAINING	2,891.09	5,150.00	5,150.00	5,000.00	.00	.00	-2.9%
MEMBERSHIPS & SUBSCRIP	972.02	865.00	865.00	900.00	.00	.00	4.0%
OFFICE SUPPLIES	484.03	500.00	500.00	500.00	.00	.00	.0%
NON-CAPITALIZED EQUIPM	.00	520.00	520.00	.00	.00	.00	-100.0%
PUBLIC INFORMATION SER	2,388.00	2,400.00	2,400.00	2,400.00	.00	.00	.0%
MISCELLANEOUS OTHER OP	614.38	400.00	400.00	500.00	.00	.00	25.0%
SPECIAL EVENTS	4,332.70	7,250.00	7,250.00	6,000.00	.00	.00	-17.2%
OPERATIONS & MAINTENAN	23,880.59	32,665.00	32,665.00	31,880.00	.00	.00	-2.4%
TM-COMMUNICATIONS & CO	323,819.48	337,518.00	337,518.00	336,212.00	.00	.00	-.4%
TOTAL TOWN MANAGER	720,110.17	769,521.00	769,521.00	788,014.00	.00	.00	2.4%
GRAND TOTAL	720,110.17	769,521.00	769,521.00	788,014.00	.00	.00	2.4%

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Economic Development - Bed Tax Fund

The Bed Tax Fund covers all economic development-related costs and activities. Examples include funding for Visit Tucson and the Greater Oro Valley Chamber of Commerce. This fund also covers increased operational costs and debt service associated with the completed Aquatic Center expansion.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PERSONNEL</i>				
Economic Development Manager	1.00	1.00	1.00	1.00
Economic Development Specialist	1.00	1.00	1.00	1.00
Marketing & Communications Spec.	1.00	1.00	1.00	1.00
Total FTEs	3.00	3.00	3.00	3.00

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PROGRAM EXPENDITURES</i>				
Personnel	\$ 237,097	\$ 250,201	\$ 244,573	\$ 255,617
O&M	365,377	422,531	422,531	425,280
Transfer to Debt Service Fund	167,543	229,544	229,544	225,194
Transfer to Gen Govt CIP Fund	-	-	-	100,000
Transfer to General Fund	185,000	185,000	185,000	185,000
Total Expenditures	\$ 955,017	\$ 1,087,276	\$ 1,081,648	\$ 1,191,091

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>REVENUES BY FUNDING SOURCE</i>				
Bed Taxes	\$ 988,449	\$ 945,000	\$ 945,000	\$ 1,085,805
Interest Income	6,095	4,800	4,800	6,200
Total Revenues	\$ 994,544	\$ 949,800	\$ 949,800	\$ 1,092,005

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: BED TAX FUND	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
10 PERSONNEL							
REGULAR EMPLOYEES	189,396.34	198,829.00	198,829.00	195,804.00	.00	.00	-1.5%
GROUP INSURANCE	11,349.40	12,871.00	12,871.00	21,923.00	.00	.00	70.3%
SOCIAL SECURITY/MEDICA	14,520.79	15,210.00	15,210.00	14,876.00	.00	.00	-2.2%
ASRS CONTRIBUTIONS	21,403.80	22,806.00	22,806.00	22,478.00	.00	.00	-1.4%
WORKERS' COMPENSATION	354.09	381.00	381.00	427.00	.00	.00	12.1%
OTHER EMPLOYEE BENEFIT	72.72	104.00	104.00	109.00	.00	.00	4.8%
PERSONNEL	237,097.14	250,201.00	250,201.00	255,617.00	.00	.00	2.2%
20 OPERATIONS & MAINTENANCE							
TOURISM & ECONOMIC DEV	340,365.05	382,300.00	382,300.00	387,550.00	.00	.00	1.4%
TELECOMMUNICATIONS	1,712.81	1,700.00	1,700.00	1,700.00	.00	.00	.0%
POSTAGE	1,064.59	900.00	900.00	900.00	.00	.00	.0%
PRINTING & BINDING	23.87	100.00	100.00	100.00	.00	.00	.0%
TRAVEL & TRAINING	5,155.77	7,880.00	7,880.00	9,130.00	.00	.00	15.9%
MEMBERSHIPS & SUBSCRIP	2,111.94	2,951.00	2,951.00	2,400.00	.00	.00	-18.7%
OFFICE SUPPLIES	244.48	1,300.00	1,300.00	1,500.00	.00	.00	15.4%
NON-CAPITALIZED EQUIPM	.00	400.00	400.00	.00	.00	.00	-100.0%
SPECIAL EVENTS	14,698.24	25,000.00	25,000.00	22,000.00	.00	.00	-12.0%
OPERATIONS & MAINTENAN	365,376.75	422,531.00	422,531.00	425,280.00	.00	.00	.7%
40 OTHER FINANCING USES							
TRANSFER TO DEBT SERVI	167,543.00	229,544.00	229,544.00	225,194.00	.00	.00	-1.9%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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bgnyrpts

PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: BED TAX FUND	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
TRANSFER TO CAPITAL PR	.00	.00	.00	100,000.00	.00	.00	.0%
TRANSFER TO GENERAL FU	185,000.00	185,000.00	185,000.00	185,000.00	.00	.00	.0%
OTHER FINANCING USES	352,543.00	414,544.00	414,544.00	510,194.00	.00	.00	23.1%
TOTAL BED TAX FUND	955,016.89	1,087,276.00	1,087,276.00	1,191,091.00	.00	.00	9.5%
GRAND TOTAL	955,016.89	1,087,276.00	1,087,276.00	1,191,091.00	.00	.00	9.5%

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Parks and Recreation General Fund

This department represents municipal services in areas including recreation, trails, aquatics, and cultural and historic resources. This department is further responsible for providing staff support to the Parks and Recreation Advisory Board and the Historic Preservation Commission. The Cultural Resources Division is responsible for the management of all town historic and cultural properties, such as Steam Pump Ranch. Additionally, this Division is responsible for implementation and follow-through of master plans for town historic sites and cultural resources. ***Please note that Parks Maintenance operations have been assumed by the Community Development & Public Works (CDPW) Department beginning FY 16/17.***

PERSONNEL

FY 2015 Actual	35.20
FY 2016 Budget	36.20
FY 2016 Projected	35.70
FY 2017 Budget	28.20

EXPENDITURES BY DIVISION

	<u>FY 2015 Actual</u>	<u>FY 2016 Budget</u>	<u>FY 2016 Projected</u>	<u>FY 2017 Budget</u>
Administration	\$ 398,845	\$ 468,690	\$ 451,316	\$ 399,807
Parks	948,204	1,127,043	1,107,093	-
Recreation	286,267	343,603	301,368	333,295
Trails	83,039	-	-	-
Aquatics	1,136,776	987,892	1,155,050	1,162,530
Cultural Resources	61,585	77,760	55,385	63,109
Total Expenditures	\$ 2,914,717	\$ 3,004,988	\$ 3,070,212	\$ 1,958,741

REVENUES BY FUNDING SOURCE

	<u>FY 2015 Actual</u>	<u>FY 2016 Budget</u>	<u>FY 2016 Projected</u>	<u>FY 2017 Budget</u>
Aquatics User Fees	\$ 490,048	\$ 426,000	\$ 525,740	\$ 567,400
Concession Sales	34,099	30,000	30,500	30,000
Fields & Courts User Fees	98,202	123,000	107,560	112,000
Miscellaneous User Fees	228,140	151,300	157,700	157,875
State Grants	5,066	60,000	45,000	30,000
Total Revenues	\$ 855,555	\$ 790,300	\$ 866,500	\$ 897,275

Parks & Recreation - Administration

The Parks and Recreation Administration Division is responsible for program registrations, processing fees and making deposits, coordinating facility reservations, responding to all phone, walk-in and email inquiries, and clerical and organizational support to the entire department. Additionally, this division provides administrative support to the Parks and Recreation Advisory Board.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PERSONNEL</u>				
Parks and Recreation Director	1.00	1.00	1.00	1.00
Senior Office Specialist	1.00	1.00	1.00	1.00
Multimodal Planner	-	1.00	1.00	1.00
Office Assistant	1.00	1.00	1.00	1.00
Total FTEs	3.00	4.00	4.00	4.00

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PROGRAM EXPENDITURES</u>				
Personnel	\$ 228,544	\$ 320,855	\$ 320,855	\$ 322,427
O&M	170,301	147,835	130,461	77,380
Total Expenditures	\$ 398,845	\$ 468,690	\$ 451,316	\$ 399,807

Parks & Recreation - Parks

The Parks Division is responsible for building maintenance, janitorial services, turf management, landscape maintenance and property upkeep for all parks, natural trails, and bicycle/pedestrian oasis facilities. Parks is also responsible for the landscape maintenance at Town Hall, including the Police Department. Parks oversees all parks construction projects, including new construction, renovations and repairs. ***Beginning FY 16/17, this division has been moved to the Community Development & Public Works (CDPW) Department.***

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PERSONNEL</u>				
Parks Maintenance Superintendent	-	-	1.00	-
Parks Maintenance Supervisor	1.00	1.00	-	-
Parks Maintenance Coordinator	1.00	1.00	1.00	-
Parks Maintenance Worker II	1.00	1.00	1.00	-
Parks Maintenance Worker I	3.92	3.92	3.92	-
Park Monitor	0.96	0.96	0.96	-
Total FTEs	7.88	7.88	7.88	-

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PROGRAM EXPENDITURES</u>				
Personnel	\$ 433,054	\$ 393,043	\$ 393,043	\$ -
O&M	474,535	563,000	573,700	-
Capital	40,616	171,000	140,350	-
Total Expenditures	\$ 948,204	\$ 1,127,043	\$ 1,107,093	\$ -

Parks & Recreation - Recreation

The Recreation Division is responsible for providing recreational programs, activities, classes, hikes, and special events for all ages, as well as ball field management and contracts.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PERSONNEL</i>				
Recreational & Cultural Svcs Mgr	0.80	0.80	0.80	0.80
Assistant Recreation Manager	1.00	1.00	1.00	1.00
Recreation Leader	0.80	1.80	0.80	1.80
Recreation Aide	1.75	1.75	1.75	1.75
Total FTEs	4.35	5.35	4.35	5.35

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PROGRAM EXPENDITURES</i>				
Personnel	\$ 205,844	\$ 236,203	\$ 209,349	\$ 225,595
O&M	80,423	107,400	92,019	107,700
Total Expenditures	\$ 286,267	\$ 343,603	\$ 301,368	\$ 333,295

Parks & Recreation - Trails

The Trails Division is responsible for insuring that the Town's Trails Plan, as well as the Pedestrian & Bicycle Plan, are implemented and followed. This section handles grant writing for the department, addresses trail issues, manages the Adopt-a-Trail program, and provides public information, safety and instructional programs. Additionally, Trails performs development review to insure that all "bike, ped & trails" issues are properly addressed when development occurs. ***Beginning FY 15/16, all personnel and O&M were moved to Administration.***

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PERSONNEL</u>				
Multimodal Planner	1.00	-	-	-
Total FTEs	1.00	-	-	-

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PROGRAM EXPENDITURES</u>				
Personnel	\$ 79,180	\$ -	\$ -	\$ -
O&M	3,859	-	-	-
Total Expenditures	\$ 83,039	\$ -	\$ -	\$ -

Parks & Recreation - Aquatics

The Aquatics Division is responsible for the safe operation, maintenance and management of the Oro Valley Aquatic Center. This facility was expanded in FY 2013 and includes an Olympic-sized swimming pool, a 25-yard pool, a splash pad for children and other family-friendly amenities. The facility serves as one of Southern Arizona's premier, competition-level facilities.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PERSONNEL</u>				
Aquatics Manager	1.00	1.00	1.00	1.00
Assistant Aquatics Manager	1.00	1.00	1.00	1.00
Office Assistant	0.75	0.75	0.75	1.00
Facility Supervisor	1.36	1.36	1.36	1.50
Shift Leader	3.40	3.40	3.40	2.39
Facility Attendant	5.76	5.76	5.76	5.76
Lifeguard/Swim Instructor	5.50	5.50	6.00	6.00
Total FTEs	18.77	18.77	19.27	18.65

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PROGRAM EXPENDITURES</u>				
Personnel	\$ 622,947	\$ 604,202	\$ 634,936	\$ 619,540
O&M	513,829	383,690	520,114	516,390
Capital	-	-	-	26,600
Total Expenditures	\$ 1,136,776	\$ 987,892	\$ 1,155,050	\$ 1,162,530

Parks & Recreation - Cultural Resources

The Cultural Resources Division is responsible for the management of all town historic and cultural properties, such as Steam Pump Ranch. Additionally, this division is responsible for implementation and follow-through of master plans for town historic sites and cultural resources.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PERSONNEL</u>				
Recreational & Cultural Svcs Mgr	0.20	0.20	0.20	0.20
Total FTEs	0.20	0.20	0.20	0.20

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PROGRAM EXPENDITURES</u>				
Personnel	\$ 14,635	\$ 15,260	\$ 15,260	\$ 15,109
O&M	38,320	37,500	30,125	18,000
Capital	8,630	25,000	10,000	30,000
Total Expenditures	\$ 61,585	\$ 77,760	\$ 55,385	\$ 63,109

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR:	2015	2016	2016	2017	2017	2017	PCT
PARKS & RECREATION-ADMINISTRAT	ACTUAL	ORIG BUD	REVISED BUD	TOWN MGR	TOWN COUN	FINAL	CHANGE
10 PERSONNEL							
REGULAR EMPLOYEES	175,235.57	242,209.00	242,209.00	244,814.00	.00	.00	1.1%
OVERTIME PAY	392.61	.00	.00	.00	.00	.00	.0%
GROUP INSURANCE	21,705.15	33,292.00	33,292.00	33,267.00	.00	.00	-.1%
SOCIAL SECURITY/MEDICA	13,128.08	18,130.00	18,130.00	18,329.00	.00	.00	1.1%
ASRS CONTRIBUTIONS	17,147.41	24,611.00	24,611.00	24,974.00	.00	.00	1.5%
WORKERS' COMPENSATION	326.29	1,850.00	1,850.00	534.00	.00	.00	-71.1%
OTHER EMPLOYEE BENEFIT	609.03	763.00	763.00	509.00	.00	.00	-33.3%
PERSONNEL	228,544.14	320,855.00	320,855.00	322,427.00	.00	.00	.5%
20 OPERATIONS & MAINTENANCE							
OUTSIDE PROFESSIONAL S	4,096.79	2,500.00	2,500.00	2,500.00	.00	.00	.0%
WASTE DISPOSAL FEES	1,793.49	1,900.00	1,900.00	.00	.00	.00	-100.0%
RECREATION PROGRAM SUP	.00	500.00	500.00	.00	.00	.00	-100.0%
VEHICLE REPAIR & MAINT	17,799.83	27,100.00	27,100.00	2,000.00	.00	.00	-92.6%
EQUIPMENT REPAIR & MAI	5,200.12	3,960.00	3,960.00	3,960.00	.00	.00	.0%
RENTALS	1,921.46	2,000.00	2,000.00	2,280.00	.00	.00	14.0%
INSURANCE	33,932.68	35,000.00	35,000.00	38,200.00	.00	.00	9.1%
TELECOMMUNICATIONS	1,030.90	850.00	850.00	900.00	.00	.00	5.9%
POSTAGE	115.58	200.00	200.00	200.00	.00	.00	.0%
PRINTING & BINDING	8,331.40	10,520.00	10,520.00	11,200.00	.00	.00	6.5%
TRAVEL & TRAINING	4,169.34	8,610.00	8,610.00	6,100.00	.00	.00	-29.2%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: PARKS & RECREATION-ADMINISTRAT	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
MEMBERSHIPS & SUBSCRIP	369.00	1,695.00	1,695.00	1,340.00	.00	.00	-20.9%
OFFICE SUPPLIES	4,625.72	6,000.00	6,000.00	4,700.00	.00	.00	-21.7%
GASOLINE	20,476.50	35,000.00	35,000.00	1,500.00	.00	.00	-95.7%
NON-CAPITALIZED EQUIPM	965.60	.00	.00	1,000.00	.00	.00	.0%
PARKS & RECR. ADVISORY	1,199.17	1,000.00	1,000.00	1,000.00	.00	.00	.0%
SPECIAL EVENTS	16,578.66	1,000.00	1,000.00	500.00	.00	.00	-50.0%
VEHICLE REPLACEMENT	44,295.19	.00	.00	.00	.00	.00	.0%
VEHICLE RESERVE	3,399.96	10,000.00	10,000.00	.00	.00	.00	-100.0%
OPERATIONS & MAINTENAN	170,301.39	147,835.00	147,835.00	77,380.00	.00	.00	-47.7%
TOTAL PARKS & RECREATION-ADM	398,845.53	468,690.00	468,690.00	399,807.00	.00	.00	-14.7%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: PARKS	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
10 PERSONNEL							
REGULAR EMPLOYEES	321,729.98	290,881.00	290,881.00	.00	.00	.00	-100.0%
OVERTIME PAY	4,142.09	10,000.00	10,000.00	.00	.00	.00	-100.0%
GROUP INSURANCE	41,781.85	35,521.00	35,521.00	.00	.00	.00	-100.0%
SOCIAL SECURITY/MEDICA	24,502.72	22,790.00	22,790.00	.00	.00	.00	-100.0%
ASRS CONTRIBUTIONS	30,111.23	26,399.00	26,399.00	.00	.00	.00	-100.0%
WORKERS' COMPENSATION	9,474.79	7,452.00	7,452.00	.00	.00	.00	-100.0%
UNEMPLOYMENT INSURANCE	1,311.48	.00	.00	.00	.00	.00	.0%
PERSONNEL	433,054.14	393,043.00	393,043.00	.00	.00	.00	-100.0%
20 OPERATIONS & MAINTENANCE							
CONTRACT PERSONNEL SER	347.50	100,000.00	100,000.00	.00	.00	.00	-100.0%
OUTSIDE PROFESSIONAL S	81,815.29	40,500.00	40,500.00	.00	.00	.00	-100.0%
WATER & SEWAGE	218,108.72	207,000.00	207,000.00	.00	.00	.00	-100.0%
WASTE DISPOSAL FEES	18,379.88	15,000.00	15,000.00	.00	.00	.00	-100.0%
EQUIPMENT REPAIR & MAI	1,002.12	1,500.00	1,500.00	.00	.00	.00	-100.0%
GROUNDS REPAIR & MAINT	12,635.52	9,500.00	9,500.00	.00	.00	.00	-100.0%
RENTALS	4,292.54	5,000.00	5,000.00	.00	.00	.00	-100.0%
TELECOMMUNICATIONS	5,713.18	6,500.00	6,500.00	.00	.00	.00	-100.0%
TRAVEL & TRAINING	3,005.88	2,500.00	2,500.00	.00	.00	.00	-100.0%
MEMBERSHIPS & SUBSCRIP	1,722.98	1,500.00	1,500.00	.00	.00	.00	-100.0%
NATURAL GAS & ELECTRIC	63,064.58	75,000.00	75,000.00	.00	.00	.00	-100.0%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: PARKS	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
GASOLINE	48.30	.00	.00	.00	.00	.00	.0%
NON-CAPITALIZED EQUIPM	638.23	2,500.00	2,500.00	.00	.00	.00	-100.0%
UNIFORMS	4,141.52	6,500.00	6,500.00	.00	.00	.00	-100.0%
FIELD SUPPLIES	59,618.27	90,000.00	90,000.00	.00	.00	.00	-100.0%
OPERATIONS & MAINTENAN	474,534.51	563,000.00	563,000.00	.00	.00	.00	-100.0%
<hr/>							
30 CAPITAL OUTLAY							
MINOR ASSETS	5,163.21	10,000.00	10,000.00	.00	.00	.00	-100.0%
BUILDINGS & IMPROVEMEN	35,452.67	140,000.00	140,000.00	.00	.00	.00	-100.0%
EQUIPMENT	.00	21,000.00	21,000.00	.00	.00	.00	-100.0%
CAPITAL OUTLAY	40,615.88	171,000.00	171,000.00	.00	.00	.00	-100.0%
TOTAL PARKS	948,204.53	1,127,043.00	1,127,043.00	.00	.00	.00	-100.0%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: RECREATION	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
10 PERSONNEL							
REGULAR EMPLOYEES	171,839.26	184,649.00	184,649.00	180,308.00	.00	.00	-2.4%
OVERTIME PAY	557.37	2,000.00	2,000.00	1,000.00	.00	.00	-50.0%
GROUP INSURANCE	7,111.67	17,347.00	17,347.00	17,317.00	.00	.00	-.2%
SOCIAL SECURITY/MEDICA	13,278.24	14,171.00	14,171.00	13,762.00	.00	.00	-2.9%
ASRS CONTRIBUTIONS	9,464.26	13,413.00	13,413.00	12,812.00	.00	.00	-4.5%
WORKERS' COMPENSATION PERSONNEL	3,593.65 205,844.45	4,623.00 236,203.00	4,623.00 236,203.00	396.00 225,595.00	.00 .00	.00 .00	-91.4% -4.5%
20 OPERATIONS & MAINTENANCE							
CONTRACT PERSONNEL SER	52,323.68	50,000.00	50,000.00	50,000.00	.00	.00	.0%
OUTSIDE PROFESSIONAL S	.00	.00	.00	.00	.00	.00	.0%
RECREATION PROGRAM SUP	11,227.13	15,000.00	15,000.00	12,000.00	.00	.00	-20.0%
EQUIPMENT REPAIR & MAI	.00	.00	.00	1,000.00	.00	.00	.0%
RENTALS	.00	.00	.00	500.00	.00	.00	.0%
TELECOMMUNICATIONS	2,217.53	2,500.00	2,500.00	3,500.00	.00	.00	40.0%
ADVERTISING	892.53	2,000.00	2,000.00	1,000.00	.00	.00	-50.0%
PRINTING & BINDING	.00	.00	.00	3,000.00	.00	.00	.0%
TRAVEL & TRAINING	7,068.38	7,400.00	7,400.00	7,400.00	.00	.00	.0%
MEMBERSHIPS & SUBSCRIP	301.00	500.00	500.00	500.00	.00	.00	.0%
NON-CAPITALIZED EQUIPM	.00	.00	.00	.00	.00	.00	.0%
UNIFORMS	1,267.22	600.00	600.00	400.00	.00	.00	-33.3%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: RECREATION	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
MISCELLANEOUS OTHER OP	.00	.00	.00	.00	.00	.00	.0%
OFFICE LEASE	3,689.00	4,500.00	4,500.00	3,000.00	.00	.00	-33.3%
SPECIAL EVENTS	1,436.23	24,900.00	24,900.00	25,400.00	.00	.00	2.0%
OPERATIONS & MAINTENAN	80,422.70	107,400.00	107,400.00	107,700.00	.00	.00	.3%
TOTAL RECREATION	286,267.15	343,603.00	343,603.00	333,295.00	.00	.00	-3.0%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: TRAILS	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
<hr/>							
10 PERSONNEL							
REGULAR EMPLOYEES	58,006.42	.00	.00	.00	.00	.00	.0%
OVERTIME PAY	20.53	.00	.00	.00	.00	.00	.0%
GROUP INSURANCE	8,751.19	.00	.00	.00	.00	.00	.0%
SOCIAL SECURITY/MEDICA	4,263.42	.00	.00	.00	.00	.00	.0%
ASRS CONTRIBUTIONS	6,731.21	.00	.00	.00	.00	.00	.0%
WORKERS' COMPENSATION	1,407.39	.00	.00	.00	.00	.00	.0%
PERSONNEL	79,180.16	.00	.00	.00	.00	.00	.0%
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20 OPERATIONS & MAINTENANCE							
RECREATION PROGRAM SUP	642.82	.00	.00	.00	.00	.00	.0%
TRAVEL & TRAINING	2,246.87	.00	.00	.00	.00	.00	.0%
MEMBERSHIPS & SUBSCRIP	969.00	.00	.00	.00	.00	.00	.0%
OPERATIONS & MAINTENAN	3,858.69	.00	.00	.00	.00	.00	.0%
TOTAL TRAILS	83,038.85	.00	.00	.00	.00	.00	.0%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: AQUATICS	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
10 PERSONNEL							
REGULAR EMPLOYEES	505,222.00	485,673.00	485,673.00	493,163.00	.00	.00	1.5%
OVERTIME PAY	13,264.31	15,000.00	15,000.00	15,000.00	.00	.00	.0%
GROUP INSURANCE	23,410.21	21,988.00	21,988.00	32,815.00	.00	.00	49.2%
SOCIAL SECURITY/MEDICA	38,907.97	37,419.00	37,419.00	37,992.00	.00	.00	1.5%
ASRS CONTRIBUTIONS	28,182.66	30,209.00	30,209.00	24,843.00	.00	.00	-17.8%
WORKERS' COMPENSATION PERSONNEL	13,960.19 622,947.34	13,913.00 604,202.00	13,913.00 604,202.00	15,727.00 619,540.00	.00 .00	.00 .00	13.0% 2.5%
20 OPERATIONS & MAINTENANCE							
CONTRACT PERSONNEL SER	151,083.77	100,000.00	100,000.00	180,000.00	.00	.00	80.0%
OUTSIDE PROFESSIONAL S	28,906.91	17,000.00	17,000.00	28,000.00	.00	.00	64.7%
WATER & SEWAGE	17,255.66	18,000.00	18,000.00	20,000.00	.00	.00	11.1%
RECREATION PROGRAM SUP	2,739.21	4,500.00	4,500.00	3,000.00	.00	.00	-33.3%
EQUIPMENT REPAIR & MAI	1,487.32	15,000.00	15,000.00	15,000.00	.00	.00	.0%
RENTALS	5,377.03	6,800.00	6,800.00	3,000.00	.00	.00	-55.9%
TELECOMMUNICATIONS	1,483.64	1,800.00	1,800.00	1,800.00	.00	.00	.0%
POSTAGE	.00	.00	.00	.00	.00	.00	.0%
TRAVEL & TRAINING	7,414.09	6,000.00	6,000.00	6,000.00	.00	.00	.0%
MEMBERSHIPS & SUBSCRIP	328.00	590.00	590.00	590.00	.00	.00	.0%
OFFICE SUPPLIES	1,346.52	1,000.00	1,000.00	1,000.00	.00	.00	.0%
NATURAL GAS & ELECTRIC	134,143.87	90,000.00	90,000.00	130,000.00	.00	.00	44.4%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: AQUATICS	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
UNIFORMS	6,087.22	6,000.00	6,000.00	6,000.00	.00	.00	.0%
FIELD SUPPLIES	135,999.64	105,000.00	105,000.00	105,000.00	.00	.00	.0%
MISCELLANEOUS OTHER OP	90.00	.00	.00	.00	.00	.00	.0%
CONCESSION SUPPLIES	20,085.85	12,000.00	12,000.00	17,000.00	.00	.00	41.7%
OPERATIONS & MAINTENAN	513,828.73	383,690.00	383,690.00	516,390.00	.00	.00	34.6%
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30 CAPITAL OUTLAY							
MINOR ASSETS	.00	.00	.00	3,000.00	.00	.00	.0%
EQUIPMENT	.00	.00	.00	23,600.00	.00	.00	.0%
CAPITAL OUTLAY	.00	.00	.00	26,600.00	.00	.00	.0%
TOTAL AQUATICS	1,136,776.07	987,892.00	987,892.00	1,162,530.00	.00	.00	17.7%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: CULTURAL RESOURCES	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
10 PERSONNEL							
REGULAR EMPLOYEES	11,326.32	11,801.00	11,801.00	11,898.00	.00	.00	.8%
GROUP INSURANCE	852.68	912.00	912.00	910.00	.00	.00	-.2%
SOCIAL SECURITY/MEDICA	865.18	901.00	901.00	909.00	.00	.00	.9%
ASRS CONTRIBUTIONS	1,313.93	1,354.00	1,354.00	1,366.00	.00	.00	.9%
WORKERS' COMPENSATION PERSONNEL	277.22 14,635.33	292.00 15,260.00	292.00 15,260.00	26.00 15,109.00	.00 .00	.00 .00	-91.1% -1.0%
20 OPERATIONS & MAINTENANCE							
OUTSIDE PROFESSIONAL S	5,227.43	6,000.00	6,000.00	.00	.00	.00	-100.0%
WATER & SEWAGE	3,758.84	8,000.00	8,000.00	.00	.00	.00	-100.0%
WASTE DISPOSAL FEES	2,677.65	2,000.00	2,000.00	.00	.00	.00	-100.0%
EQUIPMENT REPAIR & MAI	.00	.00	.00	2,000.00	.00	.00	.0%
GROUNDS REPAIR & MAINT	6,911.54	3,000.00	3,000.00	.00	.00	.00	-100.0%
RENTALS	1,769.84	1,000.00	1,000.00	.00	.00	.00	-100.0%
PRINTING & BINDING	.00	.00	.00	5,000.00	.00	.00	.0%
NATURAL GAS & ELECTRIC	2,147.72	2,500.00	2,500.00	.00	.00	.00	-100.0%
FIELD SUPPLIES	6,802.44	5,000.00	5,000.00	2,000.00	.00	.00	-60.0%
SPECIAL EVENTS OPERATIONS & MAINTENAN	9,024.65 38,320.11	10,000.00 37,500.00	10,000.00 37,500.00	9,000.00 18,000.00	.00 .00	.00 .00	-10.0% -52.0%
30 CAPITAL OUTLAY							
BUILDINGS & IMPROVEMEN	8,630.00	25,000.00	25,000.00	30,000.00	.00	.00	20.0%
CAPITAL OUTLAY	8,630.00	25,000.00	25,000.00	30,000.00	.00	.00	20.0%
TOTAL CULTURAL RESOURCES	61,585.44	77,760.00	77,760.00	63,109.00	.00	.00	-18.8%
GRAND TOTAL	2,914,717.57	3,004,988.00	3,004,988.00	1,958,741.00	.00	.00	-34.8%

** END OF REPORT - Generated by WENDY GOMEZ **



Parks and Recreation Community Center Fund

The Community Center Fund is used to manage the operations of the Town's newly acquired Community & Recreation Center, golf, food & beverage and tennis facilities. Revenues include a dedicated 0.5% sales tax, as well as revenues from golf, food and beverage, fitness and recreation activities. Expenditures include personnel, operating and capital improvement costs for the facilities. Golf, food & beverage and tennis are managed by an outside contractor.

PERSONNEL

FY 2015 Actual	1.00
FY 2016 Budget	13.36
FY 2016 Projected	19.82
FY 2017 Budget	20.42

EXPENDITURES

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
Community Center Operations	\$ 51,845	\$ 687,657	\$ 748,712	\$ 914,679
Golf & Contracted Operations	1,112,252	6,260,676	5,295,137	5,279,519
Capital Outlay				
Community Center	37,873	1,040,000	333,000	427,200
Golf & Tennis	-	75,000	117,000	200,000
Transfer to General Fund	-	120,000	120,000	120,000
Total Expenditures	\$ 1,201,970	\$ 8,183,333	\$ 6,613,849	\$ 6,941,398

REVENUES BY FUNDING SOURCE

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
Community Center Operating Revenues	\$ 20,324	\$ 658,430	\$ 713,662	\$ 765,061
Contracted Operating Revenues	500,158	4,742,333	3,299,993	3,745,014
Local Sales Tax	506,710	2,000,000	2,000,000	2,105,163
Transfer from General Fund	1,200,000	-	-	-
Donations	-	-	100	-
Total Revenues	\$ 2,227,192	\$ 7,400,763	\$ 6,013,755	\$ 6,615,238

Community Center Fund Community Center Operations

The Community Center Operations Division captures the recreation, fitness and aquatic operating revenues and expenditures for the Town's newly acquired Community & Recreation Center. This division is operated by Town staff.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PERSONNEL</u>				
Recreation Facility Manager	1.00	1.00	1.00	1.00
Assistant Recreation Manager	-	1.00	1.00	1.00
Senior Office Specialist	-	1.00	1.00	1.00
Facilities Maintenance Technician	-	2.00	2.00	2.00
Custodian	-	0.96	1.92	1.92
Facility Attendant	-	2.94	5.00	5.00
Aquatics Facility Supervisor	-	-	1.44	1.44
Lifeguard	-	-	2.00	2.00
Recreation Leader	-	0.96	0.96	0.96
Recreation Aide	-	2.00	2.00	2.00
Fitness Instructor	-	1.50	1.50	1.50
Total FTEs	1.00	13.36	19.82	19.82

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>OPERATING EXPENDITURES</u>				
Personnel	\$ 7,426	\$ 462,517	\$ 576,587	\$ 690,939
O&M	44,419	225,140	172,125	223,740
Total Expenditures	\$ 51,845	\$ 687,657	\$ 748,712	\$ 914,679

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>OPERATING REVENUES</u>				
Member Dues	\$ 17,995	\$ 526,480	\$ 577,111	\$ 606,000
Recreation Programs	-	84,000	76,000	101,500
Daily Drop-Ins	2,329	27,550	23,000	25,000
Facility Rental Income	-	20,400	36,301	31,561
Concession Sales	-	-	1,000	1,000
Special Events	-	-	250	-
Total Revenues	\$ 20,324	\$ 658,430	\$ 713,662	\$ 765,061

2016-2017 Recommended Budget

Community Center Fund Golf and Contracted Operations

The Golf and Contracted Operations Division captures operating revenues and expenditures from contracted golf, food & beverage and tennis facilities for the Town's Community & Recreation Center.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PERSONNEL</u>				
Heavy Equipment Operator II	-	-	-	0.60 (A)
Total FTEs	-	-	-	0.60

(A) Temporary personnel, project-specific to perform golf cart path capital maintenance in FY 16/17

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>OPERATING EXPENDITURES</u>				
Management Contract Expenditures	\$ 1,112,252	\$ 6,260,676	\$ 5,295,137	\$ 5,279,519
Total Expenditures	\$ 1,112,252	\$ 6,260,676	\$ 5,295,137	\$ 5,279,519

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>OPERATING REVENUES</u>				
Management Contract Revenues	\$ 500,158	\$ 4,742,333	\$ 3,299,993	\$ 3,745,014
Total Revenues	\$ 500,158	\$ 4,742,333	\$ 3,299,993	\$ 3,745,014

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

P 1
bgnyrpts

PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: COMMUNITY CENTER FUND	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
10 PERSONNEL							
REGULAR EMPLOYEES	4,829.73	383,746.00	383,746.00	578,793.00	.00	.00	50.8%
OVERTIME PAY	281.89	.00	.00	.00	.00	.00	.0%
GROUP INSURANCE	1,411.42	16,182.00	16,182.00	37,139.00	.00	.00	129.5%
SOCIAL SECURITY/MEDICA	383.27	28,665.00	28,665.00	44,030.00	.00	.00	53.6%
ASRS CONTRIBUTIONS	520.05	23,117.00	23,117.00	24,178.00	.00	.00	4.6%
WORKERS' COMPENSATION	.00	10,634.00	10,634.00	6,617.00	.00	.00	-37.8%
OTHER EMPLOYEE BENEFIT	.00	173.00	173.00	182.00	.00	.00	5.2%
PERSONNEL	7,426.36	462,517.00	462,517.00	690,939.00	.00	.00	49.4%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

P 2
bgnyrpts

PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: COMMUNITY CENTER FUND	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
20 OPERATIONS & MAINTENANCE							
CONTRACT PERSONNEL SER	.00	40,000.00	40,000.00	8,400.00	.00	.00	-79.0%
OUTSIDE PROFESSIONAL S	16,194.43	40,400.00	40,400.00	47,300.00	.00	.00	17.1%
WASTE DISPOSAL FEES	.00	.00	.00	.00	.00	.00	.0%
RECREATION PROGRAM SUP	.00	6,000.00	6,000.00	6,000.00	.00	.00	.0%
VEHICLE REPAIR & MAINT	.00	500.00	500.00	500.00	.00	.00	.0%
EQUIPMENT REPAIR & MAI	.00	10,000.00	10,000.00	10,000.00	.00	.00	.0%
BUILDING REPAIR & MAIN	.00	20,000.00	20,000.00	22,500.00	.00	.00	12.5%
RENTALS	.00	1,000.00	6,500.00	13,000.00	.00	.00	100.0%
INSURANCE	.00	20,000.00	20,000.00	21,800.00	.00	.00	9.0%
TELECOMMUNICATIONS	13,056.77	6,120.00	6,120.00	3,120.00	.00	.00	-49.0%
POSTAGE	.00	.00	.00	.00	.00	.00	.0%
ADVERTISING	1,010.06	15,000.00	15,000.00	27,000.00	.00	.00	80.0%
TRAVEL & TRAINING	35.32	3,790.00	3,790.00	7,500.00	.00	.00	97.9%
MEMBERSHIPS & SUBSCRIP	424.50	400.00	400.00	400.00	.00	.00	.0%
OFFICE SUPPLIES	726.85	6,470.00	6,470.00	7,470.00	.00	.00	15.5%
GASOLINE	.00	500.00	500.00	1,700.00	.00	.00	240.0%
NON-CAPITALIZED EQUIPM	3,867.55	8,000.00	8,000.00	6,250.00	.00	.00	-21.9%
UNIFORMS	31.52	6,200.00	6,200.00	6,800.00	.00	.00	9.7%
FIELD SUPPLIES	2,399.72	30,000.00	24,500.00	33,000.00	.00	.00	34.7%
MISCELLANEOUS OTHER OP	240.00	5,000.00	5,000.00	.00	.00	.00	-100.0%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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bgnyrpts

PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: COMMUNITY CENTER FUND	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
CONCESSION SUPPLIES	.00	.00	.00	1,000.00	.00	.00	.0%
SOFTWARE MAINTENANCE &	6,431.84	5,760.00	5,760.00	.00	.00	.00	-100.0%
MGMT CONTRACT EXPENDIT	1,112,252.00	6,260,676.00	6,260,676.00	5,279,519.00	.00	.00	-15.7%
OPERATIONS & MAINTENAN	1,156,670.56	6,485,816.00	6,485,816.00	5,503,259.00	.00	.00	-15.1%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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bgnyrpts

PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: COMMUNITY CENTER FUND	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
30 CAPITAL OUTLAY							
UNDEFINED PROJECT	36,727.21	1,115,000.00	.00	.00	.00	.00	.0%
CRC EQUIP & FURNISH	.00	.00	.00	31,200.00	.00	.00	.0%
CONSULTANT DESIGN FEES	.00	.00	85,000.00	.00	.00	.00	-100.0%
ADA COMPLIANCE - 2ND F	.00	.00	400,000.00	.00	.00	.00	-100.0%
LOBBY RECONFIGURE AND	.00	.00	300,000.00	.00	.00	.00	-100.0%
FACILITY RESTORATION	.00	.00	120,000.00	.00	.00	.00	-100.0%
ENTRY MONUMENT SIGNS	.00	.00	85,000.00	.00	.00	.00	-100.0%
IT CONNECTIVITY	1,145.57	.00	50,000.00	.00	.00	.00	-100.0%
CRC ELEVATOR & ENTRYWA	.00	.00	.00	331,000.00	.00	.00	.0%
TEEN/FAMILY ROOM @ CRC	.00	.00	.00	65,000.00	.00	.00	.0%
GOLF COURSE IMPROVEMEN	.00	.00	75,000.00	.00	.00	.00	-100.0%
GOLF COURSE IRRIGATION	.00	.00	.00	75,000.00	.00	.00	.0%
GOLF COURSE CART PATHS	.00	.00	.00	50,000.00	.00	.00	.0%
TENNIS COURT IMPROVEME	.00	.00	.00	75,000.00	.00	.00	.0%
CAPITAL OUTLAY	37,872.78	1,115,000.00	1,115,000.00	627,200.00	.00	.00	-43.7%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

P 5
bgnyrpts

PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: COMMUNITY CENTER FUND	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
40 OTHER FINANCING USES							
PRINCIPAL PAYMENTS	.00	.00	.00	.00	.00	.00	.0%
INTEREST PAYMENTS	.00	.00	.00	.00	.00	.00	.0%
TRANSFER TO GENERAL FU	.00	120,000.00	120,000.00	120,000.00	.00	.00	.0%
OTHER FINANCING USES	.00	120,000.00	120,000.00	120,000.00	.00	.00	.0%
TOTAL COMMUNITY CENTER FUND	1,201,969.70	8,183,333.00	8,183,333.00	6,941,398.00	.00	.00	-15.2%
GRAND TOTAL	1,201,969.70	8,183,333.00	8,183,333.00	6,941,398.00	.00	.00	-15.2%

** END OF REPORT - Generated by WENDY GOMEZ **

2017 BUDGET SUMMARY PROFIT & LOSS STATEMENT

	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	TOTAL
Statistics:													
Total Available Tee Times	20,580	20,504	14,804	10,508	17,000	17,000	17,000	21,000	21,692	20,000	20,000	20,000	220,088
Rev PATT	\$ 5.99	\$ 5.60	\$ 9.42	\$ 15.12	\$ 15.47	\$ 12.86	\$ 13.94	\$ 10.81	\$ 12.10	\$ 12.18	\$ 9.96	\$ 7.53	\$ 10.62
Rounds:													
Daily Fee Rounds	-	-	-	-	-	-	-	-	-	-	-	-	-
Member Rounds	1,780	1,570	1,780	2,200	2,750	2,200	2,800	3,000	2,750	2,750	2,750	1,780	28,110
Non-Member Rounds	1,350	1,216	1,950	1,340	2,210	1,660	2,410	1,930	2,259	2,025	1,610	1,330	21,290
Comp Rounds	114	136	195	120	240	340	270	270	136	136	136	114	2,207
Rounds TOTAL	3,244	2,922	3,925	3,660	5,200	4,200	5,480	5,200	5,145	4,911	4,496	3,224	51,607
Total Avg Golf Revenue per Round	\$ 37.97	\$ 39.27	\$ 35.55	\$ 43.41	\$ 50.57	\$ 52.03	\$ 43.25	\$ 43.67	\$ 51.01	\$ 49.59	\$ 44.31	\$ 46.70	\$ 45.30
Avg Member Dues & Golf Fees per Member Round (excluding Social)	\$ 50.00	\$ 54.35	\$ 49.83	\$ 47.17	\$ 41.98	\$ 53.16	\$ 42.08	\$ 39.45	\$ 42.03	\$ 42.17	\$ 42.60	\$ 64.23	\$ 46.19
Avg Golf Revenue per Round (excluding Member)	\$ 23.35	\$ 21.87	\$ 23.88	\$ 37.75	\$ 60.23	\$ 50.88	\$ 44.50	\$ 49.43	\$ 61.32	\$ 59.04	\$ 46.99	\$ 25.08	\$ 44.27
Avg Golf Fee/ Round - Member	\$ 5.57	\$ 5.74	\$ 5.55	\$ 4.96	\$ 4.75	\$ 6.02	\$ 5.15	\$ 4.98	\$ 4.43	\$ 4.57	\$ 5.00	\$ 6.14	\$ 5.15
Avg Golf Fee/ Round - Non-Member	\$ 22.39	\$ 20.57	\$ 22.85	\$ 35.90	\$ 59.10	\$ 49.80	\$ 43.36	\$ 48.07	\$ 57.77	\$ 58.48	\$ 43.27	\$ 23.83	\$ 42.69
Merch Revenue per Round	\$ 3.42	\$ 3.26	\$ 3.01	\$ 4.78	\$ 4.51	\$ 6.68	\$ 3.14	\$ 5.30	\$ 7.60	\$ 6.63	\$ 5.30	\$ 6.14	\$ 5.07
F&B Revenue per Round	\$ 10.60	\$ 10.28	\$ 8.90	\$ 11.75	\$ 16.35	\$ 21.25	\$ 14.14	\$ 15.58	\$ 21.48	\$ 22.05	\$ 14.60	\$ 16.75	\$ 15.76
Revenues:													
Golf Fees, net of discounts	32,780	27,812	49,020	52,410	144,800	99,600	116,210	105,750	138,362	126,380	75,550	34,410	1,003,084
Member Golf Fees, net of discounts	9,914	9,007	9,879	10,904	13,068	13,238	14,408	14,930	12,180	12,565	13,750	10,929	144,772
Golf - Group Services	-	150	400	-	75	150	50	-	-	-	-	-	825
Range, Rentals, Other Golf related	1,400	1,600	1,800	2,700	2,700	2,000	3,000	3,000	8,500	1,200	6,500	1,800	36,200
Golf Lessons	800	500	1,100	700	850	350	175	750	500	1,000	200	650	7,575
Income - Golf Schools	-	-	-	-	-	-	1,200	-	-	-	-	-	1,200
Total Member Dues	79,094	76,326	78,824	92,864	102,389	103,709	103,409	103,409	103,409	103,409	103,409	103,409	1,153,655
SWIM/TENNIS Revenues	23,220	8,400	27,720	50,250	26,850	23,650	31,375	25,000	26,000	28,000	19,600	32,575	322,640
Merchandise, net of discounts	11,088	9,511	11,829	17,488	23,460	28,040	17,220	27,550	39,115	32,566	23,834	19,788	261,489
Food and Beverage, net of discounts	34,400	30,050	34,950	43,000	85,000	89,250	77,500	81,000	110,500	108,300	65,625	54,000	813,575
Total Revenues	192,696	163,356	215,521	270,316	399,191	359,987	364,547	361,389	438,566	413,420	308,468	257,561	3,745,014
Cost of Sales:													
COS - GROUP SERVICES GOLF	-	120	320	-	60	120	40	-	-	-	-	-	660
COS - GOLF LESSONS	720	450	990	630	765	315	158	675	450	900	180	585	6,818
COS - SERVICE COMMISSIONS	15,760	6,320	15,440	17,960	15,320	13,320	16,300	16,000	16,800	18,400	12,000	21,840	185,460
COS - Merchandise, net of discounts	7,668	6,722	8,892	11,058	15,691	16,919	10,687	16,645	23,584	19,655	14,415	11,988	163,923
COS - FOOD & BEVG	11,327	10,218	11,408	14,175	28,430	30,278	26,275	27,650	37,455	36,259	21,581	18,250	273,305
Total Cost of Sales	35,475	23,829	37,050	43,823	60,266	60,952	53,460	60,970	78,289	75,214	48,177	52,663	630,166
Gross Profit	157,221	139,527	178,471	226,493	338,925	299,035	311,087	300,419	360,277	338,206	260,291	204,898	3,114,849

2017 BUDGET SUMMARY PROFIT & LOSS STATEMENT

	Jul-16	Aug-16	Sep-16	Oct-16	Nov-16	Dec-16	Jan-17	Feb-17	Mar-17	Apr-17	May-17	Jun-17	TOTAL
Operating Expenses:													
Payroll	122,634	120,727	146,575	143,261	145,092	140,607	147,141	144,928	149,816	150,330	128,517	127,397	1,667,026
Employee Benefits	30,381	30,114	32,823	32,435	32,868	32,238	34,501	34,199	34,814	34,889	32,464	32,295	394,021
Employee Related	3,419	3,919	5,976	3,006	6,651	3,056	3,096	3,349	5,646	3,425	4,021	3,975	49,537
Professional Fees	-	-	300	-	-	-	-	-	-	-	-	-	300
Advertising & Marketing	3,742	3,742	4,442	3,742	3,742	4,642	3,742	3,742	4,442	3,742	3,742	4,438	47,900
Repair & Maintenance	40,325	39,850	84,600	70,325	25,100	42,975	30,050	25,225	48,075	28,025	32,100	78,375	545,025
Operating Expenses	25,074	22,314	25,627	21,658	22,902	28,598	25,965	23,581	30,815	27,583	23,493	26,858	304,467
Total Operating Expenses	225,574	220,666	300,342	274,427	236,355	252,116	244,496	235,024	273,608	247,993	224,338	273,338	3,008,275
Operating Profit	(68,353)	(81,139)	(121,870)	(47,934)	102,570	46,919	66,591	65,395	86,668	90,213	35,953	(68,440)	106,573
Leases - Carts	8,250	8,250	8,250	8,250	8,250	8,250	8,250	8,250	8,250	8,250	8,250	8,250	99,000
Leases - Equipment	20,964	20,964	20,964	20,964	20,964	20,964	20,964	20,964	20,964	20,964	20,964	20,964	251,568
Utilities	121,152	104,664	144,497	130,897	62,172	60,647	59,402	56,202	72,072	112,547	90,682	129,964	1,144,898
Fixed Operating Expenses	150,366	133,878	173,711	160,111	91,386	89,861	88,616	85,416	101,286	141,761	119,896	159,178	1,495,466
Gross Operating Profit	(218,719)	(215,016)	(295,581)	(208,045)	11,184	(42,942)	(22,025)	(20,021)	(14,618)	(51,548)	(83,943)	(227,618)	(1,388,892)
Insurance	132	132	132	132	132	132	136	136	136	136	136	136	1,613
Base Management Fees	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	12,000	144,000
Total Other Expenses	12,132	12,132	12,132	12,132	12,132	12,132	12,136	12,136	12,136	12,136	12,136	12,136	145,613
Net Income (Loss)	(230,851)	(227,148)	(307,714)	(220,177)	(948)	(55,074)	(34,161)	(32,158)	(26,754)	(63,685)	(96,079)	(239,755)	(1,534,505)



Police

The Oro Valley Police Department (OVPD) is committed to providing public safety services to ensure a safe environment. This is accomplished through collaborative partnerships between our organization, our citizens, business owners/managers, schools, community organizations, media, and other government partners. OVPD members seek the highest amount of professional development with one S.E.R.V.I.C.E. vision in mind:

Seek Excellence Remain Vigilant Involve Community Enforcement

PERSONNEL

FY 2015 Actual	133.13
FY 2016 Budget	133.13
FY 2016 Projected	133.13
FY 2017 Budget	133.13

EXPENDITURES BY PROGRAM AREA

	<u>FY 2015 Actual</u>	<u>FY 2016 Budget</u>	<u>FY 2016 Projected</u>	<u>FY 2017 Budget</u>
Administration	\$ 1,150,628	\$ 1,127,753	\$ 1,127,753	\$ 1,202,889
Support Services	6,472,027	6,803,569	6,700,199	6,781,229
Field Services	6,976,328	7,193,484	7,198,455	7,387,014
Professional Dev. & Training	214,780	233,401	233,401	177,309
Professional Standards	131,800	136,388	136,388	140,721
Total Expenditures	\$ 14,945,562	\$ 15,494,595	\$ 15,396,196	\$ 15,689,162

REVENUES BY FUNDING SOURCE

	<u>FY 2015 Actual</u>	<u>FY 2016 Budget</u>	<u>FY 2016 Projected</u>	<u>FY 2017 Budget</u>
Federal Grants	\$ 673,925	\$ 551,545	\$ 517,788	\$ 478,284
State Grants	147,625	127,300	155,016	236,063
Seizures & Forfeitures	144,944	216,958	213,106	223,848
Fingerprinting	20,545	20,200	20,200	20,200
Report Copying	5,573	5,200	5,200	5,200
Impound Processing	47,700	34,000	40,000	40,000
Other	19,125	18,814	21,611	18,891
Total Revenues	\$ 1,059,438	\$ 974,017	\$ 972,921	\$ 1,022,486

Police - Administration

The Oro Valley Police Department (OVPD) is a true community policing organization and understands community policing is a "way of life" for an organization. In Oro Valley, community policing is considered a core value that underlies all programs and initiatives. The Police Department Administration embodies this philosophy and guides all staff towards embracing this philosophy throughout the entire organization.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PERSONNEL</u>				
Police Chief	1.00	1.00	1.00	1.00
Deputy Police Chief	1.00	1.00	1.00	1.00
Lieutenant	1.00	1.00	1.00	1.00
Administrative Services Mgr	1.00	1.00	1.00	1.00
Total FTEs	4.00	4.00	4.00	4.00

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PROGRAM EXPENDITURES</u>				
Personnel	\$ 586,978	\$ 607,643	\$ 607,643	\$ 620,104
O&M	563,650	520,110	520,110	582,785
Total Expenditures	\$ 1,150,628	\$ 1,127,753	\$ 1,127,753	\$ 1,202,889

Police - Support Services

The Support Services Division (SSD) provides the necessary support and enhancement to the Field Services Division and Administration. SSD personnel are specially trained in law enforcement functions specific to the organization and community, which enhance our ability to provide service. SSD must consistently evaluate the service efforts of the department and make changes based upon these efforts. This is accomplished through technology, expertise, resource allocation, intelligence gathering and education.

	<u>FY 2015 Actual</u>	<u>FY 2016 Budget</u>	<u>FY 2016 Projected</u>	<u>FY 2017 Budget</u>
<i>PERSONNEL</i>				
Commander	1.00	1.00	1.00	1.00
Lieutenant	2.00	2.00	2.00	2.00
Emergency Mgmt & Safety Coord.	1.00	1.00	1.00	1.00
Senior Office Specialist	<u>1.00</u>	<u>1.00</u>	<u>1.00</u>	<u>1.00</u>
Total FTEs	5.00	5.00	5.00	5.00

	<u>FY 2015 Actual</u>	<u>FY 2016 Budget</u>	<u>FY 2016 Projected</u>	<u>FY 2017 Budget</u>
<i>PROGRAM EXPENDITURES</i>				
Personnel	\$ 578,222	\$ 602,009	\$ 602,009	\$ 617,939
O&M	<u>270</u>	<u>500</u>	<u>500</u>	<u>500</u>
Total Expenditures	\$ 578,492	\$ 602,509	\$ 602,509	\$ 618,439

Police - School Resource Officer

The School Resource Officer (SRO) program is designed upon the "basic triad concept" of being a law enforcement officer, teacher, and counselor to the school community. This "community" includes the school administration, faculty and staff, parents, students, and the schools surrounding the Oro Valley community. An SRO provides this service in many ways while always taking a personal interest in students' lives, activities and problems. Officers are assigned to: Canyon del Oro High School, Ironwood Ridge High School, Copper Creek Elementary, Painted Sky Elementary and Wilson K-8. In addition, an intergovernmental agreement is currently in process to assign an SRO to Pusch Ridge Christian Academy.

Within the SRO Unit is the Explorers Program, which consists of young men and women, ages 14 to 21, who are interested in a career in law enforcement. Police officers are the Explorer advisors and assist in weekly instruction and training. Explorers dedicate themselves to community service and assist the department during special events.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PERSONNEL</u>				
Sergeant	1.00	1.00	1.00	1.00
School Resource Officer	7.00	7.00	8.00	8.00
Total FTEs	8.00	8.00	9.00	9.00

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PROGRAM EXPENDITURES</u>				
Personnel	\$ 906,627	\$ 877,450	\$ 904,466	\$ 1,004,884
O&M	7,880	14,500	14,500	15,500
Total Expenditures	\$ 914,506	\$ 891,950	\$ 918,966	\$ 1,020,384

Police - Communications

The Communications Center is the primary answering point for all 9-1-1 emergency calls in Oro Valley. The center operates 24 hours a day, 7 days a week. Public Safety Communications is skilled emergency service work that involves receiving emergency and non-emergency requests for police assistance, determining the nature and the urgency of calls, initiating police or other emergency service personnel action and maintaining close contact with field units to monitor response and needed support requirements.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PERSONNEL</u>				
Police Communications Mgr	1.00	1.00	1.00	1.00
Lead Dispatcher	3.00	3.00	3.00	3.00
Dispatcher	9.00	9.00	9.00	9.00
Total FTEs	13.00	13.00	13.00	13.00

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PROGRAM EXPENDITURES</u>				
Personnel	\$ 873,194	\$ 988,951	\$ 946,046	\$ 937,877
O&M	2,784	3,300	3,300	2,800
Total Expenditures	\$ 875,978	\$ 992,251	\$ 949,346	\$ 940,677

Police - Records

The Records Unit is responsible for processing, distributing, and maintaining all public law enforcement records generated by OVPD. The Records Unit adheres to the release policy mandated by state law. The Unit is also responsible for the handling of impound releases of vehicles, verifying the required documentation through the Motor Vehicle Division, preparing the proper paperwork and collecting the necessary fees.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PERSONNEL</u>				
Records Supervisor	1.00	1.00	1.00	1.00
Records Specialist	5.00	5.00	5.00	5.00
Office Assistant	1.25	1.25	1.25	1.25
Total FTEs	7.25	7.25	7.25	7.25

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PROGRAM EXPENDITURES</u>				
Personnel	\$ 397,449	\$ 416,028	\$ 416,028	\$ 420,862
O&M	2,968	3,250	3,250	2,750
Total Expenditures	\$ 400,418	\$ 419,278	\$ 419,278	\$ 423,612

Police - Criminal Investigations

The Criminal Investigations Unit (CIU) is the primary investigative arm of the OVPD and is responsible for investigating all major crimes that occur in Oro Valley. These crimes include crimes against person(s) - homicide, sexual assault, aggravated assault, etc., and crimes against property - burglary, larceny, auto theft, etc.

Detectives are cross-trained to investigate the various types of crimes committed in Oro Valley and many of them network with task force groups outside Oro Valley to enhance service within our community.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PERSONNEL</u>				
Sergeant	1.00	1.00	1.00	1.00
Detective	6.00	6.00	6.00	6.00
Total FTEs	7.00	7.00	7.00	7.00

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PROGRAM EXPENDITURES</u>				
Personnel	\$ 815,167	\$ 833,440	\$ 833,440	\$ 863,545
O&M	5,695	7,800	7,800	11,255
Total Expenditures	\$ 820,862	\$ 841,240	\$ 841,240	\$ 874,800

Police - Information Technology

The Information Technology Unit (ITU) provides support service to the department and is responsible for planning, acquiring, implementing and developing information technology solutions to facilitate the department's mission. The ITU also evaluates and acquires emerging technologies, information systems and networks that have law enforcement applications.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PERSONNEL</i>				
Detective/IT Manager	1.00	1.00	1.00	1.00
Total FTEs	1.00	1.00	1.00	1.00

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PROGRAM EXPENDITURES</i>				
Personnel	\$ 116,962	\$ 116,988	\$ 116,988	\$ 127,270
O&M	153,295	189,140	189,140	177,022
Capital	68,813	14,000	14,000	7,120
Total Expenditures	\$ 339,070	\$ 320,128	\$ 320,128	\$ 311,412

Police - Fleet

Fleet Maintenance assists with the procurement, outfitting, assigning and maintenance of all vehicles in the OVPD fleet. Fleet Maintenance ensures that all warranty work is performed and the fleet is maintained to manufacturer specifications at the most competitive rates available. It is further tasked with preventative safety equipment maintenance.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PERSONNEL</u>				
Fleet Control Specialist	1.00	1.00	1.00	1.00
Reserve Officer	0.48	0.48	0.48	0.48
Total FTEs	1.48	1.48	1.48	1.48

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PROGRAM EXPENDITURES</u>				
Personnel	\$ 102,117	\$ 102,534	\$ 102,534	\$ 101,731
O&M	910,169	1,015,389	1,015,389	995,255
Total Expenditures	\$ 1,012,286	\$ 1,117,923	\$ 1,117,923	\$ 1,096,986

Police - Community Resources

The Community Resource Unit (CRU) is dedicated to preventing crime through public education and offers a wide range of presentations and programs.

Neighborhood Watch Program

Consists of a cohesive body of concerned citizens addressing issues that affect their neighborhood. OVPD has two officers who organize, train, and provide valuable information to these neighborhoods in order to reduce and prevent crime. Neighborhood Watch provides communities a direct liaison with the OVPD and quarterly newsletters are distributed.

Crime Free Multi-Housing Program

This program is similar to Neighborhood Watch but for apartment complexes. It encourages neighbors to interact with one another but also holds apartment managers to strict criteria when signing new tenants.

Citizen Volunteer Assistants Program (C.V.A.P.)

This program provides the opportunity for citizens to serve their community by assisting the Police department. The volunteers become an extra set of eyes and ears and assist in many different areas. Volunteers patrol residential neighborhoods, business complexes, shopping centers and assist with scene security at accidents or crime scenes.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PERSONNEL</u>				
Sergeant	1.00	1.00	1.00	1.00
Officer/Special Events Coord.	1.00	1.00	1.00	1.00
Officer	1.00	1.00	1.00	1.00
Total FTEs	3.00	3.00	3.00	3.00

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PROGRAM EXPENDITURES</u>				
Personnel	\$ 289,118	\$ 334,415	\$ 334,415	\$ 335,361
O&M	39,077	32,040	32,040	48,140
Total Expenditures	\$ 328,195	\$ 366,455	\$ 366,455	\$ 383,501

Police - Task Force Operations

The OVPD is actively involved in multi-jurisdictional joint task forces across southern Arizona.

Counter Narcotics Alliance (CNA) is a multi-jurisdictional drug task force that consists of 18 participating agencies to include local law enforcement, prosecuting agencies, the Arizona High Intensity Drug Trafficking Area (AZHIDTA), and the Davis Monthan Air Force Base (DMAFB) operating in the Pima County metro area. Each agency compliments the task force with staffing and administrative processes.

Drug Enforcement Agency (DEA) has numerous multi-jurisdictional task force groups that include federal agents, prosecuting agencies, and state and local law enforcement agencies. Each task force takes a different segment of the trafficking, production and use of drug related crime to combat this national epidemic.

Joint Terrorism Task Force (JTTF) are small cells of highly trained, locally based investigators, analysts, linguists, SWAT experts, and other specialists from dozens of U.S. law enforcement and intelligence agencies. It is a multi-agency effort led by the Justice Department and FBI designed to combine the resources of federal, state, and local law enforcement.

The **Gang and Immigration Intelligence Team Enforcement Mission (GIITEM)** is a multi-jurisdictional task force that focuses on street gang crime as well as U.S. border and immigration crimes. GIITEM strives to accomplish its mission through a task force concept involving personnel from tribal, federal, state, county, and municipal law enforcement agencies.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PERSONNEL</u>				
Sergeant	1.00	1.00	-	-
Officer	7.00	7.00	7.00	7.00
Total FTEs	8.00	8.00	7.00	7.00

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PROGRAM EXPENDITURES</u>				
Personnel	\$ 803,743	\$ 867,860	\$ 784,479	\$ 781,526
O&M	49,500	19,500	19,500	-
Capital	56,903	30,000	25,900	35,900
Total Expenditures	\$ 910,146	\$ 917,360	\$ 829,879	\$ 817,426

Police - Property and ID

The Property and ID Unit is staffed with skilled technicians that locate, collect, secure and preserve a variety of critical, physical and sometimes fragile evidence at crime scenes. Technicians must write accurate narratives, follow up on collected evidence for scientific analysis, liaison with other agencies to complete related casework, and prepare testimony for court proceedings.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PERSONNEL</i>				
Crime Scene Tech Supervisor	1.00	1.00	1.00	1.00
Crime Scene Technician	2.00	2.00	2.00	2.00
Reserve Officer	0.48	0.48	0.48	0.48
Total FTEs	3.48	3.48	3.48	3.48

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PROGRAM EXPENDITURES</i>				
Personnel	\$ 248,755	\$ 264,875	\$ 264,875	\$ 240,192
O&M	43,319	69,600	69,600	53,800
Total Expenditures	\$ 292,074	\$ 334,475	\$ 334,475	\$ 293,992

Police - Field Services

The Field Services Division (FSD) is the largest division of the Police Department and is comprised of officers and supervisors who provide the "front line" service to the community. FSD must continually monitor crime trends, deployment methods, beat structure, business and neighborhood issues and response times to ensure that the department is providing the most efficient and effective services.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PERSONNEL</u>				
Commander	1.00	1.00	1.00	1.00
Lieutenant	2.00	2.00	2.00	2.00
Crime Analyst	1.00	1.00	1.00	1.00
Senior Office Specialist	1.00	1.00	1.00	1.00
Office Specialist	1.00	1.00	1.00	1.00
Total FTEs	6.00	6.00	6.00	6.00

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PROGRAM EXPENDITURES</u>				
Personnel	\$ 640,720	\$ 673,715	\$ 673,715	\$ 684,683
O&M	436	1,500	1,500	1,500
Total Expenditures	\$ 641,156	\$ 675,215	\$ 675,215	\$ 686,183

Police - Patrol

The Patrol Division consists of six squads, supplemented by one motorcycle squad. The Patrol Division focuses on providing 24/7 police service to the citizens, schools, business owners, employees and visitors of Oro Valley. OVPD divides the Town into four separate geographical patrol areas. Patrol deployment methods are based on a variety of factors, including response times, call loads, crime statistics, and neighborhood issues. The Patrol Division focuses on high visibility patrol and strict enforcement to deter crime from our community. Programs like Adopt-A-Business allow patrol officers to work cooperatively with a segment of our community in a proactive manner to solve issues before they become problems. K-9 officers and DUI officers are incorporated within the Patrol Division providing service 7 days a week.

K-9

Three K-9 teams (handler/canine) are deployed throughout the week. Two teams are "dual purpose" and are trained in two specific areas; patrol/handler protection, and narcotics detection. The remaining team is trained to detect explosives and an accelerant component used to make explosive devices, and is a member of the Pima Regional Bomb Squad. Two separate canine breeds are used: German Shepard and Belgium Malinois.

DUI

The DUI Unit is comprised of two officers whose primary function is to actively seek impaired drivers. Patrol officers with special skills in the area of drug recognition and phlebotomy supplement them in their task. DUI officers assume the lead investigative role in impairment investigations initiated by patrol officers and are well versed in the field of impaired driver investigations. OVPD is a participant in the Southern Arizona DUI Task Force and participates in task force deployments annually.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PERSONNEL</u>				
Sergeant	7.00	6.00	7.00	7.00
Lead Officer	7.00	7.00	7.00	7.00
K-9 Officer	2.00	2.00	2.00	2.00
DUI Officer	1.00	2.00	1.00	1.00
Officer	33.00	30.00	32.00	32.00
Reserve Officer	1.92	1.44	1.44	1.44
Total FTEs	51.92	48.44	50.44	50.44

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PROGRAM EXPENDITURES</u>				
Personnel	\$ 5,001,764	\$ 4,815,383	\$ 5,037,820	\$ 5,166,519
O&M	12,653	13,600	13,600	15,600
Capital	-	12,000	12,000	12,000
Total Expenditures	\$ 5,014,417	\$ 4,840,983	\$ 5,063,420	\$ 5,194,119

Police - Traffic

The goals of the Oro Valley Motor Unit are: to respond to citizens traffic concerns; be highly visible to the public and; enforce traffic laws. By staying proactive and achieving these goals, the Motor Unit is able to deter criminal behavior from residing in or targeting Oro Valley. The three measures deploying the Motor Unit are: highest collision intersections, special events, and citizen traffic concerns.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PERSONNEL</i>				
Sergeant	1.00	1.00	1.00	1.00
Lead Officer	1.00	1.00	1.00	1.00
Motorcycle Officer	6.00	7.00	6.00	6.00
Total FTEs	8.00	9.00	8.00	8.00

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PROGRAM EXPENDITURES</i>				
Personnel	\$ 894,732	\$ 987,093	\$ 894,283	\$ 910,116
O&M	10,880	14,700	14,700	12,700
Total Expenditures	\$ 905,612	\$ 1,001,793	\$ 908,983	\$ 922,816

Police - CAT Squad

The Community Action Team (C.A.T.) serves as one of OVPD's most proactive and successful community policing initiatives. The primary premise of C.A.T. is to focus on the "root-causes" of problems and identify which crimes lead to secondary crimes and how they are associated. C.A.T. members spend a great deal of time gathering information on specific issues through various connections with other law enforcement organizations and the public. These "partnerships" foster trust between the community and our organization and has been paramount in our ability to combat crime.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PERSONNEL</u>				
Sergeant	-	1.00	-	-
Lead Officer	1.00	1.00	1.00	1.00
Officer	3.00	4.00	4.00	4.00
Total FTEs	4.00	6.00	5.00	5.00

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PROGRAM EXPENDITURES</u>				
Personnel	\$ 414,314	\$ 675,493	\$ 550,837	\$ 583,896
O&M	828	-	-	-
Total Expenditures	\$ 415,143	\$ 675,493	\$ 550,837	\$ 583,896

Police - Professional Development & Training

Professional Development & Training is tasked to ensure that members provide the most efficient and effective public safety service to the community in support of a community policing philosophy. Personnel are trained to deliver a high level of service that not only meets community expectations but also allows our staff to maintain professional certifications. Professional Development & Training focuses on developing the skills, abilities, knowledge, and talents of the OVPD to maintain professional and expert service. This program is also responsible for new-hire recruit officer orientation. This orientation is provided to prepare new officers for the stresses of attending a police academy along with orienting them to Oro Valley.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PERSONNEL</u>				
Training Officer	1.00	1.00	1.00	1.00
Reserve Officer	-	0.48	0.48	0.48
Total FTEs	1.00	1.48	1.48	1.48

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PROGRAM EXPENDITURES</u>				
Personnel	\$ 108,328	\$ 131,601	\$ 131,601	\$ 130,509
O&M	106,451	101,800	101,800	46,800
Total Expenditures	\$ 214,780	\$ 233,401	\$ 233,401	\$ 177,309

Police - Professional Standards

It is the policy of the OVPD to thoroughly investigate all complaints against its employees in order to preserve public confidence in our willingness to oversee and control the actions of our employees. The Office of Professional Standards (O.P.S.) is managed by a sergeant who oversees and investigates citizen complaints and internally ordered inspections. O.P.S. also maintains records of use of force incidences, vehicle pursuits and policy revisions. Finally, O.P.S. conducts the hiring process and background investigations for interested Police department applicants.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PERSONNEL</u>				
Sergeant	1.00	1.00	1.00	1.00
Total FTEs	1.00	1.00	1.00	1.00

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PROGRAM EXPENDITURES</u>				
Personnel	\$ 122,342	\$ 126,738	\$ 126,738	\$ 131,071
O&M	9,458	9,650	9,650	9,650
Total Expenditures	\$ 131,800	\$ 136,388	\$ 136,388	\$ 140,721

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: PD-ADMIN-PERSONNEL	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
REGULAR EMPLOYEES	444,561.52	462,589.00	462,589.00	469,936.00	.00	.00	1.6%
UNIFORM ALLOWANCE	3,600.00	3,600.00	3,600.00	3,600.00	.00	.00	.0%
GROUP INSURANCE	24,769.15	23,631.00	23,631.00	22,488.00	.00	.00	-4.8%
SOCIAL SECURITY/MEDICA	31,101.02	35,382.00	35,382.00	35,944.00	.00	.00	1.6%
APSRs CONTRIBUTIONS	20,741.70	22,529.00	22,529.00	25,022.00	.00	.00	11.1%
ASRS CONTRIBUTIONS	26,564.66	41,040.00	41,040.00	41,808.00	.00	.00	1.9%
WORKERS' COMPENSATION	15,746.80	14,255.00	14,255.00	16,466.00	.00	.00	15.5%
OTHER EMPLOYEE BENEFIT	4,726.80	4,617.00	4,617.00	4,840.00	.00	.00	4.8%
DROP CONTRIBUTIONS	15,166.19	.00	.00	.00	.00	.00	.0%
TOTAL PD-ADMIN-PERSONNEL	586,977.84	607,643.00	607,643.00	620,104.00	.00	.00	2.1%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: PD-ADMIN-O&M	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
OUTSIDE PROFESSIONAL S	18,160.16	9,500.00	9,500.00	18,700.00	.00	.00	96.8%
WATER & SEWAGE	4,215.12	4,000.00	4,000.00	9,070.00	.00	.00	126.8%
WASTE DISPOSAL FEES	.00	.00	.00	1,700.00	.00	.00	.0%
EQUIPMENT REPAIR & MAI	4,040.08	7,850.00	7,850.00	10,750.00	.00	.00	36.9%
BUILDING REPAIR & MAIN	22,284.43	.00	.00	.00	.00	.00	.0%
RENTALS	22,471.48	25,395.00	25,395.00	25,000.00	.00	.00	-1.6%
INSURANCE	190,595.30	197,000.00	197,000.00	215,000.00	.00	.00	9.1%
TELECOMMUNICATIONS	117,652.31	125,265.00	125,265.00	113,265.00	.00	.00	-9.6%
POSTAGE	3,370.18	3,300.00	3,300.00	3,300.00	.00	.00	.0%
PRINTING & BINDING	6,766.73	8,500.00	8,500.00	8,000.00	.00	.00	-5.9%
TRAVEL & TRAINING	82,616.74	44,300.00	44,300.00	64,000.00	.00	.00	44.5%
MEMBERSHIPS & SUBSCRIP	8,767.76	7,500.00	7,500.00	7,500.00	.00	.00	.0%
OFFICE SUPPLIES	23,609.02	22,000.00	22,000.00	22,000.00	.00	.00	.0%
NATURAL GAS & ELECTRIC	33,134.05	38,000.00	38,000.00	57,000.00	.00	.00	50.0%
NON-CAPITALIZED EQUIPM	19,359.08	22,000.00	22,000.00	22,000.00	.00	.00	.0%
UNIFORMS	104.41	500.00	500.00	500.00	.00	.00	.0%
FIELD SUPPLIES	5,874.23	5,000.00	5,000.00	5,000.00	.00	.00	.0%
CITIZENS CORPS COUNCIL	629.23	.00	.00	.00	.00	.00	.0%
TOTAL PD-ADMIN-O&M	563,650.31	520,110.00	520,110.00	582,785.00	.00	.00	12.1%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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bgnyrpts

PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: PD-SUPP SERV-PERSONNEL	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
REGULAR EMPLOYEES	421,572.77	438,951.00	438,951.00	446,500.00	.00	.00	1.7%
OVERTIME PAY	2,759.69	100.00	100.00	100.00	.00	.00	.0%
HOLIDAY PAY	.00	.00	.00	.00	.00	.00	.0%
UNIFORM ALLOWANCE	3,600.00	3,600.00	3,600.00	3,600.00	.00	.00	.0%
GROUP INSURANCE	38,001.70	41,170.00	41,170.00	41,126.00	.00	.00	-.1%
SOCIAL SECURITY/MEDICA	32,256.32	33,136.00	33,136.00	33,713.00	.00	.00	1.7%
APRS CONTRIBUTIONS	44,791.22	48,648.00	48,648.00	54,034.00	.00	.00	11.1%
ASRS CONTRIBUTIONS	24,000.50	24,406.00	24,406.00	25,052.00	.00	.00	2.6%
WORKERS' COMPENSATION	11,239.46	11,998.00	11,998.00	13,814.00	.00	.00	15.1%
TOTAL PD-SUPP SERV-PERSONNEL	578,221.66	602,009.00	602,009.00	617,939.00	.00	.00	2.6%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: PD-SUPP SERV-O&M	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
MEMBERSHIPS & SUBSCRIP	110.00	.00	.00	.00	.00	.00	.0%
FIELD SUPPLIES	160.35	500.00	500.00	500.00	.00	.00	.0%
TOTAL PD-SUPP SERV-O&M	270.35	500.00	500.00	500.00	.00	.00	.0%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: SRO-PERSONNEL	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
REGULAR EMPLOYEES	520,845.09	536,569.00	536,569.00	602,482.00	.00	.00	12.3%
OVERTIME PAY	79,512.16	37,954.00	37,954.00	37,954.00	.00	.00	.0%
ASSIGNMENT PAY	14,560.00	14,560.00	14,560.00	16,640.00	.00	.00	14.3%
HOLIDAY PAY	2,020.45	2,100.00	2,100.00	2,100.00	.00	.00	.0%
UNIFORM ALLOWANCE	9,600.00	9,600.00	9,600.00	10,800.00	.00	.00	12.5%
GROUP INSURANCE	76,857.90	84,608.00	84,608.00	95,089.00	.00	.00	12.4%
SOCIAL SECURITY/MEDICA	46,672.39	44,266.00	44,266.00	49,813.00	.00	.00	12.5%
APSRs CONTRIBUTIONS	127,957.15	127,104.00	127,104.00	157,404.00	.00	.00	23.8%
WORKERS' COMPENSATION	24,388.31	20,689.00	20,689.00	26,502.00	.00	.00	28.1%
ON CALL PAY	4,206.25	.00	.00	6,100.00	.00	.00	.0%
SHIFT DIFFERENTIAL PAY	7.00	.00	.00	.00	.00	.00	.0%
TOTAL SRO-PERSONNEL	906,626.70	877,450.00	877,450.00	1,004,884.00	.00	.00	14.5%

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TOWN OF ORO VALLEY
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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: SRO-O&M	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
TRAVEL & TRAINING	3,709.14	7,500.00	7,500.00	7,500.00	.00	.00	.0%
MEMBERSHIPS & SUBSCRIP	40.00	.00	.00	.00	.00	.00	.0%
UNIFORMS	1,964.52	1,000.00	1,000.00	2,000.00	.00	.00	100.0%
FIELD SUPPLIES	2,166.08	6,000.00	6,000.00	6,000.00	.00	.00	.0%
TOTAL SRO-O&M	7,879.74	14,500.00	14,500.00	15,500.00	.00	.00	6.9%

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TOWN OF ORO VALLEY
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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: PD-COMM-PERSONNEL	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
REGULAR EMPLOYEES	575,997.65	638,092.00	638,092.00	573,866.00	.00	.00	-10.1%
OVERTIME PAY	44,532.33	47,750.00	47,750.00	47,750.00	.00	.00	.0%
HOLIDAY PAY	11,878.31	12,100.00	12,100.00	12,100.00	.00	.00	.0%
GROUP INSURANCE	87,422.26	105,898.00	105,898.00	125,774.00	.00	.00	18.8%
SOCIAL SECURITY/MEDICA	47,511.04	53,021.00	53,021.00	47,729.00	.00	.00	-10.0%
ASRS CONTRIBUTIONS	27,577.00	35,693.00	35,693.00	48,597.00	.00	.00	36.2%
CORP CONTRIBUTIONS	68,378.60	87,043.00	87,043.00	72,660.00	.00	.00	-16.5%
WORKERS' COMPENSATION	1,280.64	1,354.00	1,354.00	1,401.00	.00	.00	3.5%
UNEMPLOYMENT INSURANCE	.00	.00	.00	.00	.00	.00	.0%
ON CALL PAY	70.00	.00	.00	.00	.00	.00	.0%
SHIFT DIFFERENTIAL PAY	8,546.00	8,000.00	8,000.00	8,000.00	.00	.00	.0%
TOTAL PD-COMM-PERSONNEL	873,193.83	988,951.00	988,951.00	937,877.00	.00	.00	-5.2%

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: PD-COMM-O&M	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
EQUIPMENT REPAIR & MAI	84.21	1,200.00	1,200.00	1,200.00	.00	.00	.0%
MEMBERSHIPS & SUBSCRIP	568.00	1,100.00	1,100.00	600.00	.00	.00	-45.5%
NON-CAPITALIZED EQUIPM	2,131.59	1,000.00	1,000.00	1,000.00	.00	.00	.0%
TOTAL PD-COMM-O&M	2,783.80	3,300.00	3,300.00	2,800.00	.00	.00	-15.2%

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: PD-RECORDS-PERSONNEL	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
REGULAR EMPLOYEES	280,967.11	293,288.00	293,288.00	272,989.00	.00	.00	-6.9%
OVERTIME PAY	169.59	500.00	500.00	500.00	.00	.00	.0%
GROUP INSURANCE	35,808.38	38,354.00	38,354.00	37,664.00	.00	.00	-1.8%
SOCIAL SECURITY/MEDICA	20,753.57	22,005.00	22,005.00	20,458.00	.00	.00	-7.0%
ASRS CONTRIBUTIONS	32,611.60	33,697.00	33,697.00	31,397.00	.00	.00	-6.8%
WORKERS' COMPENSATION	528.28	563.00	563.00	597.00	.00	.00	6.0%
TOTAL PD-RECORDS-PERSONNEL	370,838.53	388,407.00	388,407.00	363,605.00	.00	.00	-6.4%

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: IMPOUND FEE FUND-PERSONNEL	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
REGULAR EMPLOYEES	21,896.80	22,773.00	22,773.00	47,222.00	.00	.00	107.4%
GROUP INSURANCE	470.48	456.00	456.00	910.00	.00	.00	99.6%
SOCIAL SECURITY/MEDICA	1,662.62	1,736.00	1,736.00	3,601.00	.00	.00	107.4%
ASRS CONTRIBUTIONS	2,540.18	2,612.00	2,612.00	5,421.00	.00	.00	107.5%
WORKERS' COMPENSATION	40.88	44.00	44.00	103.00	.00	.00	134.1%
TOTAL IMPOUND FEE FUND-PERSO	26,610.96	27,621.00	27,621.00	57,257.00	.00	.00	107.3%

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: PD-RECORDS-O&M	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
MEMBERSHIPS & SUBSCRIP	50.00	50.00	50.00	50.00	.00	.00	.0%
OFFICE SUPPLIES	2,416.62	1,700.00	1,700.00	1,700.00	.00	.00	.0%
NON-CAPITALIZED EQUIPM	501.87	1,500.00	1,500.00	1,000.00	.00	.00	-33.3%
TOTAL PD-RECORDS-O&M	2,968.49	3,250.00	3,250.00	2,750.00	.00	.00	-15.4%

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: PD-INVEST-PERSONNEL	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
REGULAR EMPLOYEES	496,568.22	513,783.00	513,783.00	519,639.00	.00	.00	1.1%
OVERTIME PAY	51,371.64	44,372.00	44,372.00	44,372.00	.00	.00	.0%
HOLIDAY PAY	599.09	650.00	650.00	650.00	.00	.00	.0%
UNIFORM ALLOWANCE	8,400.00	8,400.00	8,400.00	8,400.00	.00	.00	.0%
GROUP INSURANCE	74,553.05	81,576.00	81,576.00	81,532.00	.00	.00	-.1%
SOCIAL SECURITY/MEDICA	42,199.20	42,567.00	42,567.00	43,333.00	.00	.00	1.8%
APSRs CONTRIBUTIONS	100,018.17	105,557.00	105,557.00	119,134.00	.00	.00	12.9%
ASRS CONTRIBUTIONS	8,905.48	8,699.00	8,699.00	8,706.00	.00	.00	.1%
WORKERS' COMPENSATION	18,798.95	19,836.00	19,836.00	23,079.00	.00	.00	16.3%
ON CALL PAY	13,752.75	8,000.00	8,000.00	14,700.00	.00	.00	83.8%
TOTAL PD-INVEST-PERSONNEL	815,166.55	833,440.00	833,440.00	863,545.00	.00	.00	3.6%

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: PD-INVEST-O&M	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
OUTSIDE PROFESSIONAL S	4,318.94	7,000.00	7,000.00	10,500.00	.00	.00	50.0%
TRAVEL & TRAINING	850.00	.00	.00	.00	.00	.00	.0%
MEMBERSHIPS & SUBSCRIP	320.00	400.00	400.00	400.00	.00	.00	.0%
NON-CAPITALIZED EQUIPM	162.80	355.00	355.00	355.00	.00	.00	.0%
FIELD SUPPLIES	43.56	45.00	45.00	.00	.00	.00	-100.0%
TOTAL PD-INVEST-O&M	5,695.30	7,800.00	7,800.00	11,255.00	.00	.00	44.3%

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: PD-IT-PERSONNEL	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
REGULAR EMPLOYEES	82,236.12	82,713.00	82,713.00	82,696.00	.00	.00	.0%
OVERTIME PAY	4,605.13	3,070.00	3,070.00	3,070.00	.00	.00	.0%
HOLIDAY PAY	156.68	180.00	180.00	180.00	.00	.00	.0%
UNIFORM ALLOWANCE	1,200.00	1,200.00	1,200.00	1,200.00	.00	.00	.0%
GROUP INSURANCE	3,983.23	4,602.00	4,602.00	9,893.00	.00	.00	115.0%
SOCIAL SECURITY/MEDICA	6,701.04	6,576.00	6,576.00	6,472.00	.00	.00	-1.6%
APSRs CONTRIBUTIONS	17,921.59	18,482.00	18,482.00	20,335.00	.00	.00	10.0%
WORKERS' COMPENSATION	157.83	165.00	165.00	3,424.00	.00	.00	1975.2%
TOTAL PD-IT-PERSONNEL	116,961.62	116,988.00	116,988.00	127,270.00	.00	.00	8.8%

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: PD-IT-O&M	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
OUTSIDE PROFESSIONAL S	.00	2,000.00	2,000.00	2,000.00	.00	.00	.0%
EQUIPMENT REPAIR & MAI	26,875.09	38,760.00	38,760.00	43,840.00	.00	.00	13.1%
MEMBERSHIPS & SUBSCRIP	.00	200.00	200.00	.00	.00	.00	-100.0%
NON-CAPITALIZED EQUIPM	13,278.32	9,000.00	9,000.00	7,920.00	.00	.00	-12.0%
FIELD SUPPLIES	421.45	300.00	300.00	300.00	.00	.00	.0%
SOFTWARE MAINTENANCE &	112,720.49	138,880.00	138,880.00	122,962.00	.00	.00	-11.5%
TOTAL PD-IT-O&M	153,295.35	189,140.00	189,140.00	177,022.00	.00	.00	-6.4%

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PROJECTION: 2017 FY 16/17 BUDGET

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ACCOUNTS FOR: PD-IT-CAPITAL	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
MINOR ASSETS	13,194.43	.00	.00	.00	.00	.00	.0%
EQUIPMENT	55,618.68	14,000.00	14,000.00	7,120.00	.00	.00	-49.1%
TOTAL PD-IT-CAPITAL	68,813.11	14,000.00	14,000.00	7,120.00	.00	.00	-49.1%

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: PD-FLEET-PERSONNEL	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
REGULAR EMPLOYEES	70,314.97	73,065.00	73,065.00	73,372.00	.00	.00	.4%
OVERTIME PAY	4,462.78	1,980.00	1,980.00	1,980.00	.00	.00	.0%
GROUP INSURANCE	13,046.93	14,002.00	14,002.00	13,997.00	.00	.00	.0%
SOCIAL SECURITY/MEDICA	5,366.75	5,547.00	5,547.00	5,571.00	.00	.00	.4%
ASRS CONTRIBUTIONS	6,749.75	5,611.00	5,611.00	5,668.00	.00	.00	1.0%
WORKERS' COMPENSATION	2,176.09	2,329.00	2,329.00	1,143.00	.00	.00	-50.9%
TOTAL PD-FLEET-PERSONNEL	102,117.27	102,534.00	102,534.00	101,731.00	.00	.00	-.8%

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FOR PERIOD 99

ACCOUNTS FOR: PD-FLEET-O&M	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
VEHICLE REPAIR & MAINT	127,749.19	140,000.00	140,000.00	150,000.00	.00	.00	7.1%
GASOLINE	229,852.74	275,000.00	275,000.00	150,000.00	.00	.00	-45.5%
NON-CAPITALIZED EQUIPM	1,671.52	500.00	500.00	500.00	.00	.00	.0%
UNIFORMS	436.28	600.00	600.00	600.00	.00	.00	.0%
FIELD SUPPLIES	425.13	500.00	500.00	500.00	.00	.00	.0%
SAFETY COMPLIANCE	261.24	200.00	200.00	.00	.00	.00	-100.0%
VEHICLE REPLACEMENT	360,166.57	433,603.00	433,603.00	454,602.00	.00	.00	4.8%
VEHICLE RESERVE	98,700.00	119,533.00	119,533.00	193,600.00	.00	.00	62.0%
TOTAL PD-FLEET-O&M	819,262.67	969,936.00	969,936.00	949,802.00	.00	.00	-2.1%

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: PD-FLEET-OTHER FINANCING USES	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
CAPITAL LEASE PRINCIPA	82,008.00	41,608.00	41,608.00	41,608.00	.00	.00	.0%
CAPITAL LEASE INTEREST	8,898.18	3,845.00	3,845.00	3,845.00	.00	.00	.0%
TOTAL PD-FLEET-OTHER FINANCI	90,906.18	45,453.00	45,453.00	45,453.00	.00	.00	.0%

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: PD-COMM RESOURCES-PERSONNEL	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
REGULAR EMPLOYEES	173,705.36	213,417.00	213,417.00	200,804.00	.00	.00	-5.9%
OVERTIME PAY	24,245.31	14,110.00	14,110.00	14,110.00	.00	.00	.0%
HOLIDAY PAY	1,430.16	1,550.00	1,550.00	1,550.00	.00	.00	.0%
UNIFORM ALLOWANCE	3,600.00	3,600.00	3,600.00	3,600.00	.00	.00	.0%
GROUP INSURANCE	20,511.43	27,106.00	27,106.00	35,960.00	.00	.00	32.7%
SOCIAL SECURITY/MEDICA	15,251.13	17,363.00	17,363.00	16,307.00	.00	.00	-6.1%
APSRs CONTRIBUTIONS	41,328.08	49,252.00	49,252.00	51,807.00	.00	.00	5.2%
WORKERS' COMPENSATION	7,805.98	8,017.00	8,017.00	8,723.00	.00	.00	8.8%
ON CALL PAY	1,241.00	.00	.00	2,500.00	.00	.00	.0%
TOTAL PD-COMM RESOURCES-PERS	289,118.45	334,415.00	334,415.00	335,361.00	.00	.00	.3%

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PROJECTION: 2017 FY 16/17 BUDGET

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ACCOUNTS FOR: PD COMM RESOURCES-O&M	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
MEMBERSHIPS & SUBSCRIP	420.00	800.00	800.00	1,300.00	.00	.00	62.5%
NATURAL GAS & ELECTRIC	4,344.61	5,140.00	5,140.00	5,140.00	.00	.00	.0%
NON-CAPITALIZED EQUIPM	219.05	500.00	500.00	500.00	.00	.00	.0%
UNIFORMS	1,502.29	2,500.00	2,500.00	2,500.00	.00	.00	.0%
FIELD SUPPLIES	7,465.07	9,000.00	9,000.00	10,500.00	.00	.00	16.7%
OFFICE LEASE	25,125.89	14,100.00	14,100.00	28,200.00	.00	.00	100.0%
EMPLOYEE SERVICE AWARD	.00	.00	.00	.00	.00	.00	.0%
TOTAL PD COMM RESOURCES-O&M	39,076.91	32,040.00	32,040.00	48,140.00	.00	.00	50.2%

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PROJECTION: 2017 FY 16/17 BUDGET

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ACCOUNTS FOR: PD-GRANTS-PERSONNEL	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
REGULAR EMPLOYEES	469,254.75	513,155.00	513,155.00	445,426.00	.00	.00	-13.2%
OVERTIME PAY	86,278.54	78,485.00	78,485.00	78,485.00	.00	.00	.0%
HOLIDAY PAY	.00	.00	.00	.00	.00	.00	.0%
UNIFORM ALLOWANCE	9,300.00	9,600.00	9,600.00	8,400.00	.00	.00	-12.5%
GROUP INSURANCE	61,478.25	72,937.00	72,937.00	63,566.00	.00	.00	-12.8%
SOCIAL SECURITY/MEDICA	42,159.81	44,525.00	44,525.00	39,545.00	.00	.00	-11.2%
APSRs CONTRIBUTIONS	110,781.55	127,418.00	127,418.00	124,194.00	.00	.00	-2.5%
WORKERS' COMPENSATION	19,775.37	20,740.00	20,740.00	20,910.00	.00	.00	.8%
ON CALL PAY	2,333.25	.00	.00	.00	.00	.00	.0%
SHIFT DIFFERENTIAL PAY	67.50	1,000.00	1,000.00	1,000.00	.00	.00	.0%
DROP CONTRIBUTIONS	2,314.31	.00	.00	.00	.00	.00	.0%
TOTAL PD-GRANTS-PERSONNEL	803,743.33	867,860.00	867,860.00	781,526.00	.00	.00	-9.9%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: PD-GRANTS-O&M	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
TRAVEL & TRAINING	49,500.00	19,500.00	19,500.00	.00	.00	.00	-100.0%
TOTAL PD-GRANTS-O&M	49,500.00	19,500.00	19,500.00	.00	.00	.00	-100.0%

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: PD-GRANTS-CAPITAL	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
MINOR ASSETS	12,256.61	30,000.00	30,000.00	35,900.00	.00	.00	19.7%
VEHICLES	34,428.77	.00	.00	.00	.00	.00	.0%
PATROL VEHICLES	10,217.18	.00	.00	.00	.00	.00	.0%
TOTAL PD-GRANTS-CAPITAL	56,902.56	30,000.00	30,000.00	35,900.00	.00	.00	19.7%

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TOWN OF ORO VALLEY
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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: PD-PROP/ID-PERSONNEL	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
REGULAR EMPLOYEES	177,249.34	188,231.00	188,231.00	165,550.00	.00	.00	-12.0%
OVERTIME PAY	6,582.64	10,935.00	10,935.00	10,935.00	.00	.00	.0%
UNIFORM ALLOWANCE	3,600.00	3,600.00	3,600.00	3,600.00	.00	.00	.0%
GROUP INSURANCE	19,932.60	21,425.00	21,425.00	21,454.00	.00	.00	.1%
SOCIAL SECURITY/MEDICA	14,344.91	15,389.00	15,389.00	13,789.00	.00	.00	-10.4%
ASRS CONTRIBUTIONS	19,829.85	19,643.00	19,643.00	17,254.00	.00	.00	-12.2%
WORKERS' COMPENSATION	1,386.95	1,452.00	1,452.00	1,610.00	.00	.00	10.9%
ON CALL PAY	5,828.50	4,200.00	4,200.00	6,000.00	.00	.00	42.9%
TOTAL PD-PROP/ID-PERSONNEL	248,754.79	264,875.00	264,875.00	240,192.00	.00	.00	-9.3%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: PD-PROP/ID-O&M	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
OUTSIDE PROFESSIONAL S	8,935.86	8,400.00	8,400.00	13,100.00	.00	.00	56.0%
MEMBERSHIPS & SUBSCRIP	510.00	200.00	200.00	200.00	.00	.00	.0%
OFFICE SUPPLIES	2,281.97	3,000.00	3,000.00	3,000.00	.00	.00	.0%
NON-CAPITALIZED EQUIPM	3,408.80	3,000.00	3,000.00	2,500.00	.00	.00	-16.7%
FIELD SUPPLIES	28,182.25	55,000.00	55,000.00	35,000.00	.00	.00	-36.4%
TOTAL PD-PROP/ID-O&M	43,318.88	69,600.00	69,600.00	53,800.00	.00	.00	-22.7%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: PD-FIELD SERV-PERSONNEL	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
REGULAR EMPLOYEES	459,684.11	481,628.00	481,628.00	486,153.00	.00	.00	.9%
OVERTIME PAY	5,391.42	1,828.00	1,828.00	1,828.00	.00	.00	.0%
HOLIDAY PAY	254.88	.00	.00	.00	.00	.00	.0%
UNIFORM ALLOWANCE	3,600.00	3,600.00	3,600.00	3,600.00	.00	.00	.0%
GROUP INSURANCE	42,878.00	49,188.00	49,188.00	45,308.00	.00	.00	-7.9%
SOCIAL SECURITY/MEDICA	35,081.99	36,545.00	36,545.00	36,982.00	.00	.00	1.2%
APSRs CONTRIBUTIONS	65,549.16	71,807.00	71,807.00	79,721.00	.00	.00	11.0%
ASRS CONTRIBUTIONS	17,066.61	17,144.00	17,144.00	17,339.00	.00	.00	1.1%
WORKERS' COMPENSATION	11,214.12	11,975.00	11,975.00	13,752.00	.00	.00	14.8%
TOTAL PD-FIELD SERV-PERSONNE	640,720.29	673,715.00	673,715.00	684,683.00	.00	.00	1.6%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: PD-FIELD SERV-O&M	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
MEMBERSHIPS & SUBSCRIP	235.00	500.00	500.00	500.00	.00	.00	.0%
FIELD SUPPLIES	201.03	1,000.00	1,000.00	1,000.00	.00	.00	.0%
TOTAL PD-FIELD SERV-O&M	436.03	1,500.00	1,500.00	1,500.00	.00	.00	.0%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: PD-PATROL-PERSONNEL	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
REGULAR EMPLOYEES	3,750,083.11	3,806,307.00	3,806,307.00	3,845,713.00	.00	.00	1.0%
OVERTIME PAY	289,489.86	272,143.00	272,143.00	272,143.00	.00	.00	.0%
ASSIGNMENT PAY	29,680.00	29,120.00	29,120.00	27,040.00	.00	.00	-7.1%
HOLIDAY PAY	65,439.18	62,920.00	62,920.00	62,920.00	.00	.00	.0%
UNIFORM ALLOWANCE	67,065.00	70,800.00	70,800.00	70,800.00	.00	.00	.0%
GROUP INSURANCE	518,400.18	562,324.00	562,324.00	577,116.00	.00	.00	2.6%
SOCIAL SECURITY/MEDICA	319,089.69	319,687.00	319,687.00	322,481.00	.00	.00	.9%
APSRs CONTRIBUTIONS	876,316.79	894,700.00	894,700.00	993,460.00	.00	.00	11.0%
ASRS CONTRIBUTIONS	9,210.84	8,049.00	8,049.00	8,169.00	.00	.00	1.5%
WORKERS' COMPENSATION	159,033.63	148,961.00	148,961.00	171,041.00	.00	.00	14.8%
UNEMPLOYMENT INSURANCE	158.25	.00	.00	.00	.00	.00	.0%
ON CALL PAY	41,956.45	44,000.00	44,000.00	43,800.00	.00	.00	-.5%
SHIFT DIFFERENTIAL PAY	39,943.00	42,000.00	42,000.00	42,000.00	.00	.00	.0%
TOTAL PD-PATROL-PERSONNEL	6,165,865.98	6,261,011.00	6,261,011.00	6,436,683.00	.00	.00	2.8%

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TOWN OF ORO VALLEY
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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: S&F STATE-PERSONNEL	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
REGULAR EMPLOYEES	8,542.92	100,586.00	100,586.00	152,168.00	.00	.00	51.3%
OVERTIME PAY	.00	.00	.00	.00	.00	.00	.0%
HOLIDAY PAY	.00	.00	.00	.00	.00	.00	.0%
UNIFORM ALLOWANCE	2,400.00	2,400.00	2,400.00	3,600.00	.00	.00	50.0%
GROUP INSURANCE	688.73	8,812.00	8,812.00	14,374.00	.00	.00	63.1%
SOCIAL SECURITY/MEDICA	833.05	7,695.00	7,695.00	11,641.00	.00	.00	51.3%
APSRs CONTRIBUTIONS	1,759.86	21,626.00	21,626.00	36,003.00	.00	.00	66.5%
WORKERS' COMPENSATION	296.73	3,520.00	3,520.00	6,062.00	.00	.00	72.2%
SHIFT DIFFERENTIAL PAY	.00	.00	.00	.00	.00	.00	.0%
TOTAL S&F STATE-PERSONNEL	14,521.29	144,639.00	144,639.00	223,848.00	.00	.00	54.8%

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NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: S&F JUSTICE-PERSONNEL	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
REGULAR EMPLOYEES	87,392.81	50,293.00	50,293.00	.00	.00	.00	-100.0%
OVERTIME PAY	2,348.91	.00	.00	.00	.00	.00	.0%
HOLIDAY PAY	1,179.95	.00	.00	.00	.00	.00	.0%
UNIFORM ALLOWANCE	3,600.00	1,200.00	1,200.00	.00	.00	.00	-100.0%
GROUP INSURANCE	6,107.58	4,406.00	4,406.00	.00	.00	.00	-100.0%
SOCIAL SECURITY/MEDICA	7,248.87	3,847.00	3,847.00	.00	.00	.00	-100.0%
APSRs CONTRIBUTIONS	18,861.57	10,813.00	10,813.00	.00	.00	.00	-100.0%
WORKERS' COMPENSATION	3,044.34	1,760.00	1,760.00	.00	.00	.00	-100.0%
SHIFT DIFFERENTIAL PAY	639.00	.00	.00	.00	.00	.00	.0%
TOTAL S&F JUSTICE-PERSONNEL	130,423.03	72,319.00	72,319.00	.00	.00	.00	-100.0%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: PD-PATROL-O&M	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
OUTSIDE PROFESSIONAL S	6,964.02	5,650.00	5,650.00	5,650.00	.00	.00	.0%
EQUIPMENT REPAIR & MAI	3,800.35	3,100.00	3,100.00	3,100.00	.00	.00	.0%
MEMBERSHIPS & SUBSCRIP	1,175.00	750.00	750.00	750.00	.00	.00	.0%
NON-CAPITALIZED EQUIPM	2,094.46	5,800.00	5,800.00	5,800.00	.00	.00	.0%
UNIFORMS	3,510.17	4,000.00	4,000.00	5,000.00	.00	.00	25.0%
FIELD SUPPLIES	6,816.87	9,000.00	9,000.00	8,000.00	.00	.00	-11.1%
TOTAL PD-PATROL-O&M	24,360.87	28,300.00	28,300.00	28,300.00	.00	.00	.0%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: PD-PATROL-CAPITAL	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
EQUIPMENT	.00	12,000.00	12,000.00	12,000.00	.00	.00	.0%
TOTAL PD-PATROL-CAPITAL	.00	12,000.00	12,000.00	12,000.00	.00	.00	.0%

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NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: PD-PROF DEV & TRAIN-PERSONNEL	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
REGULAR EMPLOYEES	70,901.66	93,857.00	93,857.00	93,746.00	.00	.00	-.1%
OVERTIME PAY	3,399.52	.00	.00	.00	.00	.00	.0%
ASSIGNMENT PAY	2,080.00	2,080.00	2,080.00	2,080.00	.00	.00	.0%
UNIFORM ALLOWANCE	1,200.00	1,200.00	1,200.00	1,200.00	.00	.00	.0%
GROUP INSURANCE	6,558.79	8,466.00	8,466.00	5,674.00	.00	.00	-33.0%
SOCIAL SECURITY/MEDICA	5,729.90	7,312.00	7,312.00	7,338.00	.00	.00	.4%
APSRs CONTRIBUTIONS	14,792.25	15,225.00	15,225.00	16,550.00	.00	.00	8.7%
WORKERS' COMPENSATION	3,650.19	3,361.00	3,361.00	3,821.00	.00	.00	13.7%
SHIFT DIFFERENTIAL PAY	16.00	100.00	100.00	100.00	.00	.00	.0%
TOTAL PD-PROF DEV & TRAIN-PE	108,328.31	131,601.00	131,601.00	130,509.00	.00	.00	-.8%

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NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: PD-PROF DEV & TRAIN-O&M	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
OUTSIDE PROFESSIONAL S	.00	1,000.00	1,000.00	1,000.00	.00	.00	.0%
BUILDING REPAIR & MAIN	458.00	.00	.00	.00	.00	.00	.0%
PRINTING & BINDING	.00	.00	.00	5,000.00	.00	.00	.0%
MEMBERSHIPS & SUBSCRIP	630.00	300.00	300.00	300.00	.00	.00	.0%
NON-CAPITALIZED EQUIPM	1,318.98	500.00	500.00	500.00	.00	.00	.0%
FIELD SUPPLIES	41,257.29	30,000.00	30,000.00	35,000.00	.00	.00	16.7%
OFFICE LEASE	59,375.28	65,000.00	65,000.00	.00	.00	.00	-100.0%
CITIZENS ACADEMY	3,411.67	5,000.00	5,000.00	5,000.00	.00	.00	.0%
TOTAL PD-PROF DEV & TRAIN-O&	106,451.22	101,800.00	101,800.00	46,800.00	.00	.00	-54.0%

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NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: PD-PROF STDS-PERSONNEL	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
REGULAR EMPLOYEES	78,979.92	80,999.00	80,999.00	81,474.00	.00	.00	.6%
OVERTIME PAY	3,281.66	3,773.00	3,773.00	3,773.00	.00	.00	.0%
UNIFORM ALLOWANCE	1,200.00	1,200.00	1,200.00	1,200.00	.00	.00	.0%
GROUP INSURANCE	7,092.27	7,846.00	7,846.00	7,837.00	.00	.00	-.1%
SOCIAL SECURITY/MEDICA	6,507.06	6,727.00	6,727.00	6,840.00	.00	.00	1.7%
APSRs CONTRIBUTIONS	17,867.14	19,086.00	19,086.00	21,352.00	.00	.00	11.9%
WORKERS' COMPENSATION	2,942.34	3,107.00	3,107.00	3,595.00	.00	.00	15.7%
ON CALL PAY	4,472.00	4,000.00	4,000.00	5,000.00	.00	.00	25.0%
TOTAL PD-PROF STDS-PERSONNEL	122,342.39	126,738.00	126,738.00	131,071.00	.00	.00	3.4%

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: PD-PROF STDS-O&M	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
OUTSIDE PROFESSIONAL S	8,992.90	9,000.00	9,000.00	9,000.00	.00	.00	.0%
MEMBERSHIPS & SUBSCRIP	125.00	250.00	250.00	250.00	.00	.00	.0%
NON-CAPITALIZED EQUIPM	108.09	.00	.00	.00	.00	.00	.0%
FIELD SUPPLIES	231.77	400.00	400.00	400.00	.00	.00	.0%
TOTAL PD-PROF STDS-O&M	9,457.76	9,650.00	9,650.00	9,650.00	.00	.00	.0%



Water Utility

The primary function of the Water Utility is the protection of public health and safety through the production and efficient delivery of water that meets and/or exceeds water quality standards and in sufficient quantity to meet customer demands. Responsibilities include regulatory compliance, customer service, promoting water conservation, generating customer billings, collection of utility revenues, efficient use of available water resources, planning for future water resource requirements, and coordination with the development community.

PERSONNEL

FY 2015 Actual	37.48
FY 2016 Budget	38.48
FY 2016 Projected	37.48
FY 2017 Budget	39.48

<u>EXPENDITURES BY DIVISION</u>	<u>FY 2015 Actual</u>	<u>FY 2016 Budget</u>	<u>FY 2016 Projected</u>	<u>FY 2017 Budget</u>
Administration	\$ 12,228,254	\$ 12,760,346	\$ 12,224,298	\$ 10,921,406
Engineering & Planning	1,631,177	2,342,476	2,054,936	4,102,135
Production	2,284,460	2,788,464	2,591,795	2,595,853
Distribution	980,598	928,884	893,888	1,102,314
Total Expenditures	\$ 17,124,489	\$ 18,820,170	17,764,917	18,721,708

Does not include non-cash outlays for depreciation and amortization

<u>REVENUES BY FUNDING SOURCE</u>	<u>FY 2015 Actual</u>	<u>FY 2016 Budget</u>	<u>FY 2016 Projected</u>	<u>FY 2017 Budget</u>
Charges for Services	\$ 2,990,866	\$ 3,184,200	\$ 2,988,800	\$ 3,043,800
Interest	70,275	59,520	59,520	72,000
Miscellaneous	54,024	-	13,608	-
WIFA Loan Proceeds	2,353,843	1,800,000	1,300,000	-
Water Sales	11,280,574	12,160,500	11,660,941	11,961,395
Total Revenues	\$ 16,749,582	\$ 17,204,220	\$ 16,022,869	\$ 15,077,195

Water Utility - Administration

The Administration Division is responsible for the overall management of the Utility, customer service, meter reading, water utility billings, collection of water revenues, administration of department's budget, implementation of water rates, fees and charges, water conservation and strategic planning.

Programs within this division include:

- Billings/Collections/Meters
- Water Conservation
- Water Resource Planning

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PERSONNEL</u>				
Water Utility Director	1.00	1.00	1.00	1.00
Water Utility Administrator	1.00	1.00	1.00	1.00
Senior Office Specialist	1.00	1.00	1.00	1.00
Customer Service Supervisor	1.00	1.00	1.00	1.00
Meter Operations Supervisor	1.00	1.00	1.00	1.00
Water Utility Operator I	5.00	5.00	5.00	5.00
Customer Service Specialist	-	4.00	4.00	4.00
Customer Service Rep.	4.48	0.48	0.48	0.48
Water Conservation Specialist	1.00	1.00	1.00	1.00
Total FTEs	15.48	15.48	15.48	15.48

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PROGRAM EXPENDITURES</u>				
Personnel	\$ 1,062,682	\$ 1,211,924	\$ 1,211,924	\$ 1,192,892
O&M	3,980,929	4,627,725	4,584,376	4,726,672
Capital	2,312,592	1,918,800	1,456,101	127,615
Debt Service	4,868,932	4,968,867	4,968,867	4,871,285
Transfer to Gen Govt CIP Fund	-	30,000	-	-
Transfer to Debt Service Fund	3,119	3,030	3,030	2,942
Total Expenditures	\$ 12,228,254	\$ 12,760,346	\$ 12,224,298	\$ 10,921,406

Does not include non-cash outlays for depreciation and amortization

Water Utility - Engineering & Planning

The Engineering and Planning Division is responsible for the planning of additional water resources, managing design and construction of the capital improvement program and new development, construction inspection and the geographic information mapping system. Programs within this division include:

- Capital Improvement Program
- New Development Program
- Planning Program
- Construction Inspection Program

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PERSONNEL</u>				
Engineering Division Manager	1.00	1.00	-	-
Water Rscs & Planning Manager	-	1.00	1.00	1.00
Project Manager	1.00	1.00	1.00	1.00
Engineering Design Reviewer	1.00	1.00	1.00	1.00
Construction Inspector	2.00	2.00	2.00	2.00
Civil Engineering Technician	1.00	1.00	1.00	1.00
Total FTEs	6.00	7.00	6.00	6.00

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PROGRAM EXPENDITURES</u>				
Personnel	\$ 531,380	\$ 718,041	\$ 535,561	\$ 559,680
O&M	194,712	204,435	219,575	194,455
Capital	905,085	1,420,000	1,299,800	3,348,000
Total Expenditures	\$ 1,631,177	\$ 2,342,476	\$ 2,054,936	\$ 4,102,135

Water Utility - Production

The Production Division is responsible for the operation and maintenance of all potable and reclaimed water production facilities to include wells, boosters, reservoirs and metering stations.

Production programs include:

- Disinfection Systems
- Security Systems
- Preventative Maintenance Programs
- On-Call/24-Hour SCADA Staffing

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PERSONNEL</u>				
Water Production Superintendent	1.00	1.00	1.00	1.00
Lead Water Utility Operator	1.00	1.00	1.00	1.00
Electric and Control Technician	1.00	1.00	1.00	1.00
Water Utility Operator III	5.00	5.00	5.00	5.00
Total FTEs	8.00	8.00	8.00	8.00

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PROGRAM EXPENDITURES</u>				
Personnel	\$ 558,579	\$ 614,413	\$ 614,413	\$ 618,276
O&M	1,689,365	2,001,851	1,816,411	1,965,977
Capital	36,516	172,200	160,971	11,600
Total Expenditures	\$ 2,284,460	\$ 2,788,464	\$ 2,591,795	\$ 2,595,853

Does not include non-cash outlays for depreciation and amortization

Water Utility - Distribution

The Distribution Division is responsible for the operation and maintenance of potable and reclaimed water distribution systems, to include, water mains, fire hydrants, air release valves and pressure reducing valves. Distribution programs include:

- Water Quality
- Backflow Prevention
- Preventative Maintenance
- Construction of minor water main projects

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PERSONNEL</u>				
Water Distribution Superintendent	1.00	1.00	1.00	1.00
Lead Water Utility Operator	3.00	3.00	3.00	3.00
Water Utility Operator III	1.00	2.00	2.00	2.00
Water Utility Operator II	3.00	2.00	2.00	4.00
Total FTEs	8.00	8.00	8.00	10.00

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PROGRAM EXPENDITURES</u>				
Personnel	\$ 614,497	\$ 628,644	\$ 612,850	\$ 749,874
O&M	145,142	235,440	234,493	225,890
Capital	220,959	64,800	46,545	126,550
Total Expenditures	\$ 980,598	\$ 928,884	\$ 893,888	\$ 1,102,314

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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bgnyrpts

PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: WATER-ADMINISTRATION	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
10 PERSONNEL							
REGULAR EMPLOYEES	825,866.54	894,335.00	894,335.00	881,471.00	.00	.00	-1.4%
OVERTIME PAY	6,932.65	6,000.00	6,000.00	6,000.00	.00	.00	.0%
GROUP INSURANCE	115,891.45	131,016.00	131,016.00	125,749.00	.00	.00	-4.0%
SOCIAL SECURITY/MEDICA	61,059.52	67,558.00	67,558.00	66,671.00	.00	.00	-1.3%
ASRS CONTRIBUTIONS	29,956.94	101,407.00	101,407.00	100,084.00	.00	.00	-1.3%
WORKERS' COMPENSATION	10,882.64	10,274.00	10,274.00	11,482.00	.00	.00	11.8%
OTHER EMPLOYEE BENEFIT PERSONNEL	12,092.32 1,062,682.06	1,334.00 1,211,924.00	1,334.00 1,211,924.00	1,435.00 1,192,892.00	.00 .00	.00 .00	7.6% -1.6%
20 OPERATIONS & MAINTENANCE							
OUTSIDE PROFESSIONAL S	210,854.86	196,520.00	196,520.00	214,100.00	.00	.00	8.9%
CAP WATER CAPITAL CHAR	168,020.00	206,195.00	206,195.00	163,032.00	.00	.00	-20.9%
CAP WATER DELIVERY CHA	1,344,082.50	1,719,930.00	1,719,930.00	1,770,705.00	.00	.00	3.0%
WATER & SEWAGE	.00	.00	.00	2,800.00	.00	.00	.0%
VEHICLE REPAIR & MAINT	46,516.39	46,800.00	46,800.00	40,200.00	.00	.00	-14.1%
EQUIPMENT REPAIR & MAI	2,435.54	3,900.00	3,900.00	5,700.00	.00	.00	46.2%
BUILDING REPAIR & MAIN	6,920.00	.00	.00	8,486.00	.00	.00	.0%
GROUNDS REPAIR & MAINT	1,942.00	1,000.00	1,000.00	1,000.00	.00	.00	.0%
RENTALS	5,923.45	6,617.00	6,617.00	6,800.00	.00	.00	2.8%
INSURANCE	58,233.26	59,000.00	59,000.00	66,500.00	.00	.00	12.7%
TELECOMMUNICATIONS	9,016.19	10,520.00	10,520.00	10,620.00	.00	.00	1.0%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: WATER-ADMINISTRATION	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
POSTAGE	80,063.13	85,300.00	85,300.00	88,900.00	.00	.00	4.2%
ADVERTISING	43.50	.00	.00	.00	.00	.00	.0%
PRINTING & BINDING	21,757.52	23,400.00	23,400.00	19,400.00	.00	.00	-17.1%
TRAVEL & TRAINING	4,938.97	7,000.00	7,000.00	7,900.00	.00	.00	12.9%
MEMBERSHIPS & SUBSCRIP	13,306.39	12,770.00	12,770.00	13,090.00	.00	.00	2.5%
OFFICE SUPPLIES	17,845.27	15,650.00	15,650.00	16,100.00	.00	.00	2.9%
NATURAL GAS & ELECTRIC	7,200.46	7,600.00	7,600.00	6,900.00	.00	.00	-9.2%
GASOLINE	68,049.67	80,000.00	80,000.00	60,000.00	.00	.00	-25.0%
NON-CAPITALIZED EQUIPM	2,774.74	2,000.00	2,000.00	2,300.00	.00	.00	15.0%
UNIFORMS	3,112.29	3,300.00	3,300.00	3,300.00	.00	.00	.0%
BAD DEBT EXPENSE	19,153.53	25,000.00	25,000.00	20,000.00	.00	.00	-20.0%
FIELD SUPPLIES	2,378.56	1,800.00	1,800.00	1,800.00	.00	.00	.0%
MISCELLANEOUS OTHER OP	5.11	.00	.00	.00	.00	.00	.0%
DEPRECIATION	2,600,984.93	2,515,365.00	2,515,365.00	2,600,000.00	.00	.00	3.4%
OFFICE LEASE	65,604.00	65,600.00	65,600.00	65,600.00	.00	.00	.0%
AMORTIZATION	98,644.53	134,608.00	134,608.00	100,000.00	.00	.00	-25.7%
REGULATORY EXPENSE	29,622.23	40,000.00	40,000.00	37,400.00	.00	.00	-6.5%
GW EXTINGUISHMENT CRED	448,500.00	450,000.00	450,000.00	450,000.00	.00	.00	.0%
WATER UTILITY COMMISSI	1,347.19	2,000.00	2,000.00	1,500.00	.00	.00	-25.0%
EQUIP. R&M-SERVICES	7,196.26	5,000.00	5,000.00	2,500.00	.00	.00	-50.0%
EQUIPMENT R&M - METERS	5,931.65	2,500.00	2,500.00	2,500.00	.00	.00	.0%
INTEREST ON SECURITY D	488.08	.00	.00	.00	.00	.00	.0%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: WATER-ADMINISTRATION	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
SAFETY COMPLIANCE	1,329.34	1,280.00	1,280.00	1,280.00	.00	.00	.0%
WATER PURCHASED FOR RE CONSERVATION	933,902.88	1,049,769.00	1,049,769.00	1,099,759.00	.00	.00	4.8%
ADMINISTRATIVE SERVICE	1,384.76	5,000.00	5,000.00	6,500.00	.00	.00	30.0%
SOFTWARE MAINTENANCE & OPERATIONS & MAINTENAN	348,000.00	448,000.00	448,000.00	530,000.00	.00	.00	18.3%
	43,049.45	44,274.00	44,274.00	.00	.00	.00	-100.0%
	6,680,558.63	7,277,698.00	7,277,698.00	7,426,672.00	.00	.00	2.0%
<hr/>							
30 CAPITAL OUTLAY							
MINOR ASSETS	.00	.00	.00	6,300.00	.00	.00	.0%
MXU-TRANSMITTER	20,495.76	22,150.00	22,150.00	9,450.00	.00	.00	-57.3%
METERS	.00	1,839,150.00	1,839,150.00	31,525.00	.00	.00	-98.3%
VEHICLES	.00	.00	.00	29,000.00	.00	.00	.0%
VEHICLE RESERVE-ENTERP	27,500.04	27,500.00	27,500.00	.00	.00	.00	-100.0%
BUILDINGS & IMPROVEMEN	.00	30,000.00	30,000.00	29,340.00	.00	.00	-2.2%
EQUIPMENT	2,060.12	.00	.00	22,000.00	.00	.00	.0%
CAPITAL OUTLAY	50,055.92	1,918,800.00	1,918,800.00	127,615.00	.00	.00	-93.3%
<hr/>							
40 OTHER FINANCING USES							
TRANSFER TO DEBT SERVI	3,119.00	3,030.00	3,030.00	2,942.00	.00	.00	-2.9%
TRANSFER TO CAPITAL PR	.00	30,000.00	30,000.00	.00	.00	.00	-100.0%
OTHER FINANCING USES	3,119.00	33,030.00	33,030.00	2,942.00	.00	.00	-91.1%
<hr/>							
45 DEBT SERVICE							
PRINCIPAL PAYMENTS	.00	3,493,349.00	3,493,349.00	3,500,676.00	.00	.00	.2%
INTEREST PAYMENTS	1,472,443.42	1,475,518.00	1,475,518.00	1,370,609.00	.00	.00	-7.1%
DEBT SERVICE	1,472,443.42	4,968,867.00	4,968,867.00	4,871,285.00	.00	.00	-2.0%
TOTAL WATER-ADMINISTRATION	9,268,859.03	15,410,319.00	15,410,319.00	13,621,406.00	.00	.00	-11.6%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR:	2015	2016	2016	2017	2017	2017	PCT
WATER-ENGINEERING AND PLANNING	ACTUAL	ORIG BUD	REVISED BUD	TOWN MGR	TOWN COUN	FINAL	CHANGE
10 PERSONNEL							
REGULAR EMPLOYEES	420,784.33	568,471.00	568,471.00	428,069.00	.00	.00	-24.7%
OVERTIME PAY	203.13	1,000.00	1,000.00	1,000.00	.00	.00	.0%
GROUP INSURANCE	27,767.84	35,635.00	35,635.00	40,635.00	.00	.00	14.0%
SOCIAL SECURITY/MEDICA	31,977.66	43,462.00	43,462.00	32,533.00	.00	.00	-25.1%
ASRS CONTRIBUTIONS	47,079.45	65,318.00	65,318.00	49,257.00	.00	.00	-24.6%
WORKERS' COMPENSATION	3,567.93	4,155.00	4,155.00	8,186.00	.00	.00	97.0%
PERSONNEL	531,380.34	718,041.00	718,041.00	559,680.00	.00	.00	-22.1%
20 OPERATIONS & MAINTENANCE							
OUTSIDE PROFESSIONAL S	163,843.92	85,000.00	85,000.00	75,000.00	.00	.00	-11.8%
RENTALS	4,218.09	4,900.00	4,900.00	4,900.00	.00	.00	.0%
TELECOMMUNICATIONS	1,800.30	3,350.00	3,350.00	3,350.00	.00	.00	.0%
PRINTING & BINDING	1,440.22	1,600.00	1,600.00	1,600.00	.00	.00	.0%
TRAVEL & TRAINING	1,138.14	2,250.00	2,250.00	4,250.00	.00	.00	88.9%
MEMBERSHIPS & SUBSCRIP	470.43	640.00	640.00	545.00	.00	.00	-14.8%
TESTING	700.00	800.00	800.00	1,500.00	.00	.00	87.5%
OFFICE SUPPLIES	4,019.41	3,700.00	3,700.00	3,700.00	.00	.00	.0%
NON-CAPITALIZED EQUIPM	898.18	1,700.00	1,700.00	200.00	.00	.00	-88.2%
UNIFORMS	1,045.13	1,100.00	1,100.00	1,100.00	.00	.00	.0%
FIELD SUPPLIES	451.26	250.00	250.00	250.00	.00	.00	.0%
REGULATORY EXPENSE	.00	.00	.00	300.00	.00	.00	.0%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: WATER-ENGINEERING AND PLANNING	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
SAFETY COMPLIANCE	220.19	600.00	600.00	600.00	.00	.00	.0%
ADMINISTRATIVE SERVICE	.00	93,645.00	93,645.00	97,160.00	.00	.00	3.8%
SOFTWARE MAINTENANCE & OPERATIONS & MAINTENAN	14,466.91 194,712.18	4,900.00 204,435.00	4,900.00 204,435.00	.00 194,455.00	.00 .00	.00 .00	-100.0% -4.9%
<hr/>							
30 CAPITAL OUTLAY							
WELLS	.00	50,000.00	50,000.00	285,000.00	.00	.00	470.0%
BOOSTER STATIONS	.00	100,000.00	100,000.00	200,000.00	.00	.00	100.0%
TRANSMISSION/DISTRIBUT	2,360.50	1,130,000.00	1,130,000.00	2,390,000.00	.00	.00	111.5%
RESERVOIRS	.00	140,000.00	140,000.00	270,000.00	.00	.00	92.9%
STRUCTURES	4,356.55	.00	.00	80,000.00	.00	.00	.0%
VEHICLES	.00	.00	.00	98,000.00	.00	.00	.0%
EQUIPMENT	.00	.00	.00	25,000.00	.00	.00	.0%
CAPITAL OUTLAY	6,717.05	1,420,000.00	1,420,000.00	3,348,000.00	.00	.00	135.8%
TOTAL WATER-ENGINEERING AND	732,809.57	2,342,476.00	2,342,476.00	4,102,135.00	.00	.00	75.1%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: WATER-PRODUCTION FACILITIES	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
10 PERSONNEL							
REGULAR EMPLOYEES	400,050.79	433,994.00	433,994.00	435,637.00	.00	.00	.4%
OVERTIME PAY	12,779.23	16,000.00	16,000.00	16,000.00	.00	.00	.0%
GROUP INSURANCE	55,839.26	66,509.00	66,509.00	66,774.00	.00	.00	.4%
SOCIAL SECURITY/MEDICA	30,714.00	33,715.00	33,715.00	33,834.00	.00	.00	.4%
ASRS CONTRIBUTIONS	47,384.84	51,645.00	51,645.00	51,874.00	.00	.00	.4%
WORKERS' COMPENSATION PERSONNEL	11,810.89 558,579.01	12,550.00 614,413.00	12,550.00 614,413.00	14,157.00 618,276.00	.00 .00	.00 .00	12.8% .6%
20 OPERATIONS & MAINTENANCE							
GROUP INSURANCE	4.77	.00	.00	.00	.00	.00	.0%
EFFLUENT SHORTAGE-CAP	.00	40,000.00	40,000.00	54,000.00	.00	.00	35.0%
OUTSIDE PROFESSIONAL S	-5,572.40	4,500.00	4,500.00	5,700.00	.00	.00	26.7%
POWER PURCHASED FOR PU	785,499.95	866,000.00	866,000.00	860,000.00	.00	.00	-.7%
EQUIPMENT REPAIR & MAI	2,816.10	10,450.00	10,450.00	18,000.00	.00	.00	72.2%
BUILDING REPAIR & MAIN	1,562.86	3,000.00	3,000.00	3,500.00	.00	.00	16.7%
GROUNDS REPAIR & MAINT	9,264.52	6,425.00	6,425.00	14,925.00	.00	.00	132.3%
CHEMICALS	28,157.94	41,050.00	41,050.00	48,000.00	.00	.00	16.9%
RENTALS	1,155.62	1,600.00	1,600.00	2,000.00	.00	.00	25.0%
TELECOMMUNICATIONS	8,356.02	8,846.00	8,846.00	4,030.00	.00	.00	-54.4%
PRINTING & BINDING	135.87	250.00	250.00	150.00	.00	.00	-40.0%
TRAVEL & TRAINING	5,992.30	6,000.00	6,000.00	8,770.00	.00	.00	46.2%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: WATER-PRODUCTION FACILITIES	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
MEMBERSHIPS & SUBSCRIP	524.00	500.00	500.00	1,175.00	.00	.00	135.0%
TESTING	1,410.90	2,800.00	2,800.00	2,800.00	.00	.00	.0%
OFFICE SUPPLIES	1,801.45	2,500.00	2,500.00	1,700.00	.00	.00	-32.0%
NON-CAPITALIZED EQUIPM	2,811.17	3,870.00	3,870.00	7,700.00	.00	.00	99.0%
UNIFORMS	6,103.93	6,360.00	6,360.00	10,257.00	.00	.00	61.3%
FIELD SUPPLIES	3,912.52	6,000.00	6,000.00	6,000.00	.00	.00	.0%
DEPRECIATION	475,078.93	470,789.00	470,789.00	475,000.00	.00	.00	.9%
REGULATORY EXPENSE	.00	1,200.00	1,200.00	1,400.00	.00	.00	16.7%
EQUIP. R&M-WELLS	52,194.07	97,350.00	97,350.00	88,000.00	.00	.00	-9.6%
EQUIP. R&M-BOOSTERS	27,306.19	66,010.00	66,010.00	50,400.00	.00	.00	-23.6%
EQUIP. R&M-MAINS	10,864.00	.00	.00	.00	.00	.00	.0%
EQUIP. R&M-RESERVOIRS	38,546.51	89,500.00	89,500.00	22,500.00	.00	.00	-74.9%
EQUIPMENT R&M - METERS	6,998.62	2,000.00	2,000.00	5,000.00	.00	.00	150.0%
SAFETY COMPLIANCE	2,157.31	8,110.00	8,110.00	2,100.00	.00	.00	-74.1%
EQUIP. R&M-TELEMETRY	5,649.77	15,140.00	15,140.00	16,140.00	.00	.00	6.6%
EQUIP. R&M-DISINFECTIO	12,902.88	8,500.00	8,500.00	25,500.00	.00	.00	200.0%
SOFTWARE MAINTENANCE &	61,309.59	3,890.00	3,890.00	6,230.00	.00	.00	60.2%
RECLAIMED WATER FOR RE OPERATIONS & MAINTENAN	617,498.80 2,164,444.19	700,000.00 2,472,640.00	700,000.00 2,472,640.00	700,000.00 2,440,977.00	.00 .00	.00 .00	.0% -1.3%
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30 CAPITAL OUTLAY							
MINOR ASSETS	.00	8,200.00	8,200.00	3,600.00	.00	.00	-56.1%
VEHICLES	.00	146,000.00	146,000.00	.00	.00	.00	-100.0%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: WATER-PRODUCTION FACILITIES	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
EQUIPMENT	.00	15,000.00	15,000.00	8,000.00	.00	.00	-46.7%
SECURITY EQUIPMENT	.00	3,000.00	3,000.00	.00	.00	.00	-100.0%
CAPITAL OUTLAY	.00	172,200.00	172,200.00	11,600.00	.00	.00	-93.3%
TOTAL WATER-PRODUCTION FACIL	2,723,023.20	3,259,253.00	3,259,253.00	3,070,853.00	.00	.00	-5.8%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: WATER-DISTRIBUTION FACILITIES	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
10 PERSONNEL							
REGULAR EMPLOYEES	446,138.23	462,378.00	462,378.00	540,632.00	.00	.00	16.9%
OVERTIME PAY	11,200.87	8,000.00	8,000.00	8,000.00	.00	.00	.0%
GROUP INSURANCE	52,738.03	55,711.00	55,711.00	79,705.00	.00	.00	43.1%
SOCIAL SECURITY/MEDICA	34,368.40	35,562.00	35,562.00	41,239.00	.00	.00	16.0%
ASRS CONTRIBUTIONS	53,051.49	53,952.00	53,952.00	62,983.00	.00	.00	16.7%
WORKERS' COMPENSATION PERSONNEL	16,999.65 614,496.67	13,041.00 628,644.00	13,041.00 628,644.00	17,315.00 749,874.00	.00 .00	.00 .00	32.8% 19.3%
20 OPERATIONS & MAINTENANCE							
OUTSIDE PROFESSIONAL S	1,167.17	500.00	500.00	500.00	.00	.00	.0%
WASTE DISPOSAL FEES	525.40	500.00	500.00	500.00	.00	.00	.0%
EQUIPMENT REPAIR & MAI	1,243.77	5,450.00	5,450.00	5,450.00	.00	.00	.0%
RENTALS	.00	900.00	900.00	900.00	.00	.00	.0%
TELECOMMUNICATIONS	5,542.12	5,850.00	5,850.00	5,650.00	.00	.00	-3.4%
POSTAGE	4,446.77	4,300.00	4,300.00	1,300.00	.00	.00	-69.8%
PRINTING & BINDING	2,350.90	2,650.00	2,650.00	1,550.00	.00	.00	-41.5%
TRAVEL & TRAINING	3,296.40	3,400.00	3,400.00	5,500.00	.00	.00	61.8%
MEMBERSHIPS & SUBSCRIP	45.00	100.00	100.00	100.00	.00	.00	.0%
TESTING	46,160.22	103,000.00	103,000.00	95,000.00	.00	.00	-7.8%
OFFICE SUPPLIES	575.13	1,050.00	1,050.00	900.00	.00	.00	-14.3%
NON-CAPITALIZED EQUIPM	9,525.75	7,850.00	7,850.00	6,950.00	.00	.00	-11.5%

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wgomez

TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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bgnyrpts

PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: WATER-DISTRIBUTION FACILITIES	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
UNIFORMS	3,338.79	5,040.00	5,040.00	5,040.00	.00	.00	.0%
FIELD SUPPLIES	3,494.27	3,000.00	3,000.00	3,300.00	.00	.00	10.0%
REGULATORY EXPENSE	.00	.00	.00	400.00	.00	.00	.0%
EQUIP. R&M-MAINS	41,574.30	62,500.00	62,500.00	62,500.00	.00	.00	.0%
EQUIP. R&M-SERVICES	7,972.98	9,000.00	9,000.00	7,000.00	.00	.00	-22.2%
EQUIP. R&M-HYDRANTS	4,249.45	7,000.00	7,000.00	9,000.00	.00	.00	28.6%
EQUIPMENT R&M - METERS	.00	500.00	500.00	500.00	.00	.00	.0%
BLUESTAKE	6,335.20	4,950.00	4,950.00	5,450.00	.00	.00	10.1%
SAFETY COMPLIANCE	1,016.81	2,400.00	2,400.00	2,900.00	.00	.00	20.8%
EQUIP. R&M-BACKFLOW OPERATIONS & MAINTENAN	2,281.36 145,141.79	5,500.00 235,440.00	5,500.00 235,440.00	5,500.00 225,890.00	.00 .00	.00 .00	.0% -4.1%
<hr/>							
30 CAPITAL OUTLAY							
MINOR ASSETS	.00	3,500.00	3,500.00	3,550.00	.00	.00	1.4%
VEHICLES	.00	33,000.00	33,000.00	117,000.00	.00	.00	254.5%
VEHICLE RESERVE-ENTERP	4,299.96	18,300.00	18,300.00	.00	.00	.00	-100.0%
EQUIPMENT	.00	10,000.00	10,000.00	6,000.00	.00	.00	-40.0%
CAPITAL OUTLAY	4,299.96	64,800.00	64,800.00	126,550.00	.00	.00	95.3%
TOTAL WATER-DISTRIBUTION FAC	763,938.42	928,884.00	928,884.00	1,102,314.00	.00	.00	18.7%
GRAND TOTAL	13,488,630.22	21,940,932.00	21,940,932.00	21,896,708.00	.00	.00	-.2%

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Water Utility Alternative Water Resources Development

The Alternative Water Resources Development Impact Fee Fund accounts for expenditures for alternative water resource capital costs and any related debt service. Revenues are received from impact fees. Specific activities include analysis, planning, design and construction of infrastructure required to deliver alternative water resources (Central Arizona Project (CAP) and reclaimed water) to the town.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PROGRAM EXPENDITURES</u>				
O&M	\$ 58,690	\$ 30,820	\$ 127,131	\$ 136,101
Capital	130,826	-	8,929	100,000
Total Expenditures	\$ 189,516	\$ 30,820	\$ 136,060	\$ 236,101

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>REVENUES BY FUNDING SOURCE</u>				
Impact Fees	\$ 1,172,170	\$ 1,331,323	\$ 1,117,022	\$ 1,040,089
Interest Income	26,148	19,840	19,840	26,400
Total Revenues	\$ 1,198,318	\$ 1,351,163	\$ 1,136,862	\$ 1,066,489

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: AWRDIF FUND	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
<hr/>							
20 OPERATIONS & MAINTENANCE							
OUTSIDE PROFESSIONAL S	.00	.00	.00	52,500.00	.00	.00	.0%
CAP WATER CAPITAL CHAR	58,690.00	30,820.00	30,820.00	83,601.00	.00	.00	171.3%
OPERATIONS & MAINTENAN	58,690.00	30,820.00	30,820.00	136,101.00	.00	.00	341.6%
<hr/>							
30 CAPITAL OUTLAY							
BOOSTER STATIONS	82,058.47	.00	.00	.00	.00	.00	.0%
TRANSMISSION/DISTRIBUT	48,767.32	.00	.00	.00	.00	.00	.0%
RESERVOIRS	.00	.00	.00	100,000.00	.00	.00	.0%
CAPITAL OUTLAY	130,825.79	.00	.00	100,000.00	.00	.00	.0%
TOTAL AWRDIF FUND	189,515.79	30,820.00	30,820.00	236,101.00	.00	.00	666.1%
GRAND TOTAL	189,515.79	30,820.00	30,820.00	236,101.00	.00	.00	666.1%

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Water Utility Potable Water System Development

The Potable Water System Development Impact Fee Fund accounts for expenditures for potable water capital improvements that are growth-related and debt service. Revenues are received from impact fees which are collected and used for repayment of bonds sold to finance the capital projects. Specific activities include design and construction of infrastructure required to deliver potable water to meet the needs of future customers.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PROGRAM EXPENDITURES</u>				
Capital	\$ -	\$ -	\$ -	\$ 2,500
Debt Service	327,424	331,478	331,478	329,916
Total Expenditures	\$ 327,424	\$ 331,478	\$ 331,478	\$ 332,416

REVENUES BY FUNDING SOURCE

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
Single Family Connections	\$ 311,306	\$ 403,000	\$ 364,670	\$ 463,450
Multi - Family Connections	60,600	175,994	-	-
Commercial Connections	186,501	73,335	73,336	39,288
Irrigation Connections	32,638	10,878	92,474	16,320
Interest	28,172	19,840	19,840	28,800
Total Revenues	\$ 619,217	\$ 683,047	\$ 550,320	\$ 547,858

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

P 1
bgnyrpts

PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: PWSDIF FUND	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
20 OPERATIONS & MAINTENANCE							
OUTSIDE PROFESSIONAL S OPERATIONS & MAINTENAN	.00 .00	.00 .00	.00 .00	2,500.00 2,500.00	.00 .00	.00 .00	.0% .0%
45 DEBT SERVICE							
PRINCIPAL PAYMENTS	.00	244,188.00	244,188.00	247,510.00	.00	.00	1.4%
INTEREST PAYMENTS	96,525.74	87,290.00	87,290.00	82,406.00	.00	.00	-5.6%
DEBT SERVICE	96,525.74	331,478.00	331,478.00	329,916.00	.00	.00	-.5%
TOTAL PWSDIF FUND	96,525.74	331,478.00	331,478.00	332,416.00	.00	.00	.3%
GRAND TOTAL	96,525.74	331,478.00	331,478.00	332,416.00	.00	.00	.3%

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Community Development and Public Works (CDPW) Roadway Development Impact Fee Fund

This fund is used to manage the collection and expenditure of development impact fees dedicated to roadway purposes. Roadway impact fees are assessed on both residential and commercial development within the town. This fund is managed by staff within the Community Development & Public Works Department. *This fund previously also included the collection and expenditure of roadway grant funds from the Pima Association of Governments (PAG) and the Regional Transportation Authority (RTA). These funds were moved to a new PAG/RTA Fund in FY 15/16.*

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PROGRAM EXPENDITURES</u>				
Capital	\$ 2,651,038	\$ 1,038,000	\$ 47,431	\$ 2,000,000
Transfer to PAG/RTA Fund	-	460,696	-	-
Total Expenditures	\$ 2,651,038	\$ 1,498,696	\$ 47,431	\$ 2,000,000

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>REVENUES BY FUNDING SOURCE</u>				
State Grants	\$ 2,235,299	\$ -	\$ -	\$ -
Impact Fees	276,745	424,532	340,000	340,167
Interest	2,605	2,000	3,500	3,000
Charges for Services	22,500	-	-	-
Miscellaneous	575	-	-	-
Total Revenues	\$ 2,537,724	\$ 426,532	\$ 343,500	\$ 343,167

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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bgnyrpts

PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: TOWNWIDE ROADWAY DEV IMPACT FE	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
30 CAPITAL OUTLAY							
NARANJA RD (SHANNON/LA	1,867,250.25	.00	.00	.00	.00	.00	.0%
CDO SHARED USE PATH	434.86	.00	.00	.00	.00	.00	.0%
LAMBERT LANE PHASE I	.00	.00	.00	.00	.00	.00	.0%
RV @ VISTOSO HIGHLANDS	392,938.77	.00	.00	.00	.00	.00	.0%
SIDEWALK-VIST HIGHLAN	68,498.69	.00	.00	.00	.00	.00	.0%
RV AND WOODBURNE STUDY	16,528.00	.00	.00	.00	.00	.00	.0%
LAMBERT LANE PHASE II	305,387.42	.00	.00	1,000,000.00	.00	.00	.0%
NARANJA @ SAWTOOTH RHT	.00	38,000.00	38,000.00	.00	.00	.00	-100.0%
TANGERINE RD - LA CANA	.00	1,000,000.00	1,000,000.00	1,000,000.00	.00	.00	.0%
CAPITAL OUTLAY	2,651,037.99	1,038,000.00	1,038,000.00	2,000,000.00	.00	.00	92.7%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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bgnyrpts

PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR:	2015	2016	2016	2017	2017	2017	PCT
TOWNWIDE ROADWAY DEV IMPACT FE	ACTUAL	ORIG BUD	REVISED BUD	TOWN MGR	TOWN COUN	FINAL	CHANGE
40 OTHER FINANCING USES							
TRANSFER TO CAPITAL PR	.00	460,696.00	460,696.00	.00	.00	.00	-100.0%
OTHER FINANCING USES	.00	460,696.00	460,696.00	.00	.00	.00	-100.0%
TOTAL TOWNWIDE ROADWAY DEV I	2,651,037.99	1,498,696.00	1,498,696.00	2,000,000.00	.00	.00	33.4%
GRAND TOTAL	2,651,037.99	1,498,696.00	1,498,696.00	2,000,000.00	.00	.00	33.4%

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General Government Impact Fee Fund

This fund is used to manage the collection and expenditure of development impact fees dedicated to general government purposes. General government impact fees were previously assessed on both residential and commercial development within the town. **These fees are no longer collected.**

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PROGRAM EXPENDITURES</i>				
O&M	\$ -	\$ -	\$ -	\$ -
Capital	-	-	-	-
Total Expenditures	\$ -	\$ -	\$ -	\$ -

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>REVENUES BY FUNDING SOURCE</i>				
Residential Impact Fees	\$ -	\$ -	\$ -	\$ -
Commercial Impact Fees	-	-	-	-
Interest Income	3	-	5	-
Total Revenues	\$ 3	\$ -	\$ 5	\$ -



Library Impact Fee Fund

This fund is used to manage the expenditure of development impact fees dedicated to the Oro Valley Public Library. Library operations were assumed by Pima County effective January 1, 2013; therefore, these fees are no longer collected.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PROGRAM EXPENDITURES</i>				
Capital	\$ 20,000	\$ 113,000	\$ 51,638	\$ 187,000
Total Expenditures	\$ 20,000	\$ 113,000	\$ 51,638	\$ 187,000

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>REVENUES BY FUNDING SOURCE</i>				
Miscellaneous	\$ -	\$ 30,000	\$ -	\$ 150,000
Total Revenues	\$ -	\$ 30,000	\$ -	\$ 150,000

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

P 1
bgnyrpts

PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: LIBRARY IMPACT FEE FUND	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
<hr/>							
30 CAPITAL OUTLAY							
BUILDINGS & IMPROVEMEN	20,000.00	113,000.00	113,000.00	187,000.00	.00	.00	65.5%
CAPITAL OUTLAY	20,000.00	113,000.00	113,000.00	187,000.00	.00	.00	65.5%
TOTAL LIBRARY IMPACT FEE FUN	20,000.00	113,000.00	113,000.00	187,000.00	.00	.00	65.5%
GRAND TOTAL	20,000.00	113,000.00	113,000.00	187,000.00	.00	.00	65.5%

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Parks and Recreation Impact Fee Fund

This Fund is used to manage the collection and expenditure of development impact fees dedicated to parks and recreation purposes. Parks & Recreation impact fees are assessed on residential development within the town.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PROGRAM EXPENDITURES</i>				
O&M		\$ -	\$ -	\$ -
Capital	-	-	-	-
Transfer to Gen Govt CIP Fund	-	-	-	250,000
Total Expenditures	\$ -	\$ -	\$ -	\$ 250,000

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>REVENUES BY FUNDING SOURCE</i>				
Residential Impact Fees	\$ 112,169	\$ 171,200	\$ 105,000	\$ 132,680
Interest Income	79	-	200	-
Total Revenues	\$ 112,248	\$ 171,200	\$ 105,200	\$ 132,680

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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bgnyrpts

PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: PARKS & REC IMPACT FEE FUND	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
40 OTHER FINANCING USES							
TRANSFER TO CAPITAL PR	.00	.00	.00	250,000.00	.00	.00	.0%
OTHER FINANCING USES	.00	.00	.00	250,000.00	.00	.00	.0%
TOTAL PARKS & REC IMPACT FEE	.00	.00	.00	250,000.00	.00	.00	.0%
GRAND TOTAL	.00	.00	.00	250,000.00	.00	.00	.0%

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Police Impact Fee Fund

This fund is used to manage the collection and expenditure of development impact fees dedicated to public safety purposes. Police impact fees are assessed on both residential and commercial development within the town.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PROGRAM EXPENDITURES</i>				
O&M	\$ -	\$ -	\$ -	\$ -
Capital	-	-	-	285,000
Total Expenditures	\$ -	\$ -	\$ -	\$ 285,000

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>REVENUES BY FUNDING SOURCE</i>				
Residential Impact Fees	\$ 42,880	\$ 62,000	\$ 35,000	\$ 71,300
Commercial Impact Fees	5,543	4,917	12,000	2,700
Interest Income	218	-	300	-
Total Revenues	\$ 48,641	\$ 66,917	\$ 47,300	\$ 74,000

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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bgnyrpts

PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: POLICE IMPACT FEE FUND	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
30 CAPITAL OUTLAY							
9023 BUILDINGS & IMPROVEMENTS							
PD001 PROPERTY ID & SUBSTATION BLDG							
PROPERTY ID & SUBSTATI	.00	.00	.00	285,000.00	.00	.00	.0%
BUILDINGS & IMPROVEMEN	.00	.00	.00	285,000.00	.00	.00	.0%
CAPITAL OUTLAY	.00	.00	.00	285,000.00	.00	.00	.0%
TOTAL POLICE IMPACT FEE FUND	.00	.00	.00	285,000.00	.00	.00	.0%
GRAND TOTAL	.00	.00	.00	285,000.00	.00	.00	.0%

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Community Development and Public Works (CDPW) PAG/RTA Fund

This fund is used to manage the collection and expenditure of roadway grant funds from the Pima Association of Governments (PAG) and the Regional Transportation Authority. This fund is managed by staff within the Community Development & Public Works Department. *This was a new fund in FY 15/16. These monies were previously accounted for in the Roadway Development Impact Fee Fund.*

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PERSONNEL</u>				
Construction Inspector	-	1.00	1.00	3.00
Construction Clerk	-	-	-	1.00
Total FTEs	-	1.00	1.00	4.00 ^(A)

(A) Temporary personnel; project-specific to manage roadway projects in FY 16/17

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PROGRAM EXPENDITURES</u>				
Personnel	\$ -	\$ 64,795	\$ 44,370	\$ 64,882
Capital	-	10,414,000	2,870,664	9,027,000
Total Expenditures	\$ -	\$ 10,478,795	\$ 2,915,034	\$ 9,091,882

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>REVENUES BY FUNDING SOURCE</u>				
State Grants	\$ -	\$ 10,414,000	\$ 3,172,229	\$ 9,249,971
Charges for Services	-	22,500	22,500	22,500
Interest Income	-	500	-	-
Transfer from Roadway Imp Fee Fund	-	460,696	-	-
Total Revenues	\$ -	\$ 10,897,696	\$ 3,194,729	\$ 9,272,471

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

P 1
bgnyrpts

PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: PAG/RTA FUND	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
10 PERSONNEL							
REGULAR EMPLOYEES	.00	45,908.00	45,908.00	45,908.00	.00	.00	.0%
OVERTIME PAY	.00	.00	.00	.00	.00	.00	.0%
GROUP INSURANCE	.00	9,535.00	9,535.00	9,528.00	.00	.00	-.1%
SOCIAL SECURITY/MEDICA	.00	3,409.00	3,409.00	3,409.00	.00	.00	.0%
ASRS CONTRIBUTIONS	.00	5,266.00	5,266.00	5,270.00	.00	.00	.1%
WORKERS' COMPENSATION	.00	642.00	642.00	731.00	.00	.00	13.9%
OTHER EMPLOYEE BENEFIT	.00	35.00	35.00	36.00	.00	.00	2.9%
PERSONNEL	.00	64,795.00	64,795.00	64,882.00	.00	.00	.1%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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bgnyrpts

PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: PAG/RTA FUND	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
30 CAPITAL OUTLAY							
NARANJA RD (SHANNON/LA	.00	2,000,000.00	2,000,000.00	.00	.00	.00	-100.0%
RV @ VISTOSO HIGHLANDS	.00	50,000.00	50,000.00	.00	.00	.00	-100.0%
SIDEWALK-VIST HIGHLAN	.00	20,000.00	20,000.00	.00	.00	.00	-100.0%
LAMBERT LANE PHASE II	.00	4,050,000.00	4,050,000.00	5,517,000.00	.00	.00	36.2%
PALISADES MULTI-USE PA	.00	284,000.00	284,000.00	.00	.00	.00	-100.0%
LAMBERT LANE MULTI-USE	.00	75,000.00	75,000.00	.00	.00	.00	-100.0%
LA CHOLLA - LAMBERT TO	.00	2,000,000.00	2,000,000.00	1,500,000.00	.00	.00	-25.0%
TANGERINE RD - LA CANA	.00	1,860,000.00	1,860,000.00	1,710,000.00	.00	.00	-8.1%
PAG TRANSP ART BY YOUT	.00	75,000.00	75,000.00	.00	.00	.00	-100.0%
LA CAÑADA/MOORE STUDY	.00	.00	.00	50,000.00	.00	.00	.0%
LA CAÑADA OVCRC HAWK S	.00	.00	.00	250,000.00	.00	.00	.0%
CAPITAL OUTLAY	.00	10,414,000.00	10,414,000.00	9,027,000.00	.00	.00	-13.3%
TOTAL PAG/RTA FUND	.00	10,478,795.00	10,478,795.00	9,091,882.00	.00	.00	-13.2%
GRAND TOTAL	.00	10,478,795.00	10,478,795.00	9,091,882.00	.00	.00	-13.2%

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Municipal Debt Service Fund

The Municipal Debt Service Fund allocates money for principal and interest payments on the issuance of tax-exempt bonds. The Town has issued bonds for the acquisition of land and construction of buildings to support Town services. This fund also allocates money for principal and interest payments on the Town's Clean Renewable Energy Bonds (CREBS). Repayment of debt is pledged with excise sales tax, state shared revenue and other permit and fee revenues.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PROGRAM EXPENDITURES</i>				
O&M	\$ 14,551	\$ 10,000	\$ 57,721	\$ 10,000
Debt Service	847,433	881,632	838,865	616,417
Total Expenditures	\$ 861,983	\$ 891,632	\$ 896,586	\$ 626,417

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>REVENUES BY FUNDING SOURCE</i>				
Interest	\$ 60	\$ -	\$ 40	\$ -
Federal Subsidy	64,258	58,238	58,238	54,945
Miscellaneous	100,908	90,000	90,000	90,000
Transfer from General Fund	158,965	194,810	194,810	205,304
Transfer from Bed Tax Fund	167,543	229,544	229,544	225,194
Transfer from Highway Fund	-	228,366	228,366	38,032
Transfer from Water Utility Fund	3,119	3,030	3,030	2,942
Total Revenues	\$ 494,854	\$ 803,988	\$ 804,028	\$ 616,417

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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bgnyrpts

PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: MUNICIPAL DEBT SERVICE FUND	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
<hr/>							
20 OPERATIONS & MAINTENANCE							
OUTSIDE PROFESSIONAL S	14,550.55	10,000.00	10,000.00	10,000.00	.00	.00	.0%
BOND ISSUANCE COSTS	.00	.00	.00	.00	.00	.00	.0%
OPERATIONS & MAINTENAN	14,550.55	10,000.00	10,000.00	10,000.00	.00	.00	.0%
<hr/>							
45 DEBT SERVICE							
PRINCIPAL PAYMENTS	479,440.00	530,920.00	530,920.00	334,940.00	.00	.00	-36.9%
INTEREST PAYMENTS	367,992.64	350,712.00	350,712.00	281,477.00	.00	.00	-19.7%
DEBT SERVICE	847,432.64	881,632.00	881,632.00	616,417.00	.00	.00	-30.1%
TOTAL MUNICIPAL DEBT SERVICE	861,983.19	891,632.00	891,632.00	626,417.00	.00	.00	-29.7%
GRAND TOTAL	861,983.19	891,632.00	891,632.00	626,417.00	.00	.00	-29.7%

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Oracle Road Improvement District

The Oracle Road Improvement District Debt Service Fund allocates money for principal and interest payments on the issuance of Improvement District Bonds. The Town issued bonds in 2005 to finance the widening of Oracle Road along the Rooney Ranch development. The bonds are repaid by the assessments levied on the property owners in the improvement district.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PROGRAM EXPENDITURES</i>				
O&M	\$ 2,495	\$ 3,000	\$ 3,000	\$ 3,000
Debt Service	175,917	175,153	175,153	178,558
Total Expenditures	\$ 178,412	\$ 178,153	\$ 178,153	\$ 181,558

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>REVENUES BY FUNDING SOURCE</i>				
Interest Repayments	\$ 46,263	\$ 40,153	\$ 40,153	\$ 33,558
Principal Repayments	131,815	135,000	135,000	145,000
Transfer from General Fund	2,000	3,000	3,000	3,000
Total Revenues	\$ 180,078	\$ 178,153	\$ 178,153	\$ 181,558

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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bgnyrpts

PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: ORACLE RD. DEBT SERVICE FUND	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
<hr/>							
20 OPERATIONS & MAINTENANCE							
OUTSIDE PROFESSIONAL S OPERATIONS & MAINTENAN	2,495.00 2,495.00	3,000.00 3,000.00	3,000.00 3,000.00	3,000.00 3,000.00	.00 .00	.00 .00	.0% .0%
<hr/>							
45 DEBT SERVICE							
PRINCIPAL PAYMENTS	130,000.00	135,000.00	135,000.00	145,000.00	.00	.00	7.4%
INTEREST PAYMENTS	45,917.50	40,153.00	40,153.00	33,558.00	.00	.00	-16.4%
DEBT SERVICE	175,917.50	175,153.00	175,153.00	178,558.00	.00	.00	1.9%
TOTAL ORACLE RD. DEBT SERVIC	178,412.50	178,153.00	178,153.00	181,558.00	.00	.00	1.9%
GRAND TOTAL	178,412.50	178,153.00	178,153.00	181,558.00	.00	.00	1.9%

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Benefit Self Insurance Fund

The Benefit Self Insurance Fund is used to manage costs related to the Town's self funding of health and dental insurance, the employee onsite health clinic and Affordable Care Act (ACA) compliance fees.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>PROGRAM EXPENDITURES</u>				
O&M	\$ 2,820,538	\$ 2,860,400	\$ 2,860,400	\$ 3,030,740
Capital Outlay	5,905	-	-	-
Total Expenditures	\$ 2,826,443	\$ 2,860,400	\$ 2,860,400	\$ 3,030,740

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<u>REVENUES BY FUNDING SOURCE</u>				
Self-Insurance Premiums	\$ 2,466,096	\$ 2,718,400	\$ 2,718,400	\$ 2,897,550
Miscellaneous	20,000	142,000	142,000	133,190
Total Revenues	\$ 2,486,096	\$ 2,860,400	\$ 2,860,400	\$ 3,030,740

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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bgnyrpts

PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR:	2015	2016	2016	2017	2017	2017	PCT
BENEFIT SELF INSURANCE FUND	ACTUAL	ORIG BUD	REVISED BUD	TOWN MGR	TOWN COUN	FINAL	CHANGE
<hr/>							
20 OPERATIONS & MAINTENANCE							
OUTSIDE PROFESSIONAL S	614,328.86	669,350.00	669,350.00	682,340.00	.00	.00	1.9%
OFFICE SUPPLIES	742.46	.00	.00	.00	.00	.00	.0%
WELLNESS PROGRAM	37,086.01	40,000.00	40,000.00	40,000.00	.00	.00	.0%
CLAIM SETTLEMENT	2,047,491.09	2,007,850.00	2,007,850.00	2,158,400.00	.00	.00	7.5%
DENTAL CLAIMS SETTLEME	120,889.09	143,200.00	143,200.00	150,000.00	.00	.00	4.7%
OPERATIONS & MAINTENAN	2,820,537.51	2,860,400.00	2,860,400.00	3,030,740.00	.00	.00	6.0%
<hr/>							
30 CAPITAL OUTLAY							
MINOR ASSETS	5,905.19	.00	.00	.00	.00	.00	.0%
CAPITAL OUTLAY	5,905.19	.00	.00	.00	.00	.00	.0%
TOTAL BENEFIT SELF INSURANCE	2,826,442.70	2,860,400.00	2,860,400.00	3,030,740.00	.00	.00	6.0%
GRAND TOTAL	2,826,442.70	2,860,400.00	2,860,400.00	3,030,740.00	.00	.00	6.0%

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General Government CIP Fund

The General Government CIP Fund was a new fund in FY 2015 and is used to account for Capital Improvement Program (CIP) projects that serve a general government or Town-wide purpose. These projects were previously budgeted among various General Fund departments. A separate fund established for this purpose allows for more efficient tracking of project costs and funding.

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PERSONNEL</i>				
Heavy Equipment Operator II	-	-	-	2.40 ^(A)
Total FTEs	-	-	-	2.40

(A) Temporary personnel, project-specific to construct fields at Naranja Park in FY 16/17

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>PROGRAM EXPENDITURES</i>				
Capital	\$ 2,688,407	\$ 3,005,000	\$ 1,840,770	\$ 2,510,600
Total Expenditures	\$ 2,688,407	\$ 3,005,000	\$ 1,840,770	\$ 2,510,600

	FY 2015 Actual	FY 2016 Budget	FY 2016 Projected	FY 2017 Budget
<i>REVENUES BY FUNDING SOURCE</i>				
Transfer from General Fund	\$ 2,610,000	\$ 1,509,000	\$ 1,119,177	\$ 1,517,000
Transfer from Water Utility Fund	-	30,000	-	-
Transfer from P&R Impact Fee Fund	-	-	-	250,000
Transfer from Bed Tax Fund	-	-	-	100,000
State Grants	-	81,000	-	81,000
Total Revenues	\$ 2,610,000	\$ 1,620,000	\$ 1,119,177	\$ 1,948,000

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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bgnyrpts

PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: GENERAL GOVERNMENT CIP FUND	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
30 CAPITAL OUTLAY							
COURTROOM REMODEL & BE	.00	165,000.00	165,000.00	.00	.00	.00	-100.0%
AQUATIC CENTER PARKING	283,800.03	.00	.00	.00	.00	.00	.0%
REPLACE PERMITTING SYS	251,407.16	.00	.00	.00	.00	.00	.0%
TRANSIT SCHEDULING SOF	.00	90,000.00	90,000.00	90,000.00	.00	.00	.0%
INFRASTRUCTURE ASSET M	.00	40,000.00	40,000.00	.00	.00	.00	-100.0%
AQUATIC CENTER PARKING	.00	200,000.00	200,000.00	.00	.00	.00	-100.0%
CHILDRENS MUSEUM START	200,000.00	.00	.00	.00	.00	.00	.0%
TEP UNDERGROUNDING	897,484.00	.00	.00	.00	.00	.00	.0%
HEALTH CLINIC	215,863.03	.00	.00	.00	.00	.00	.0%
REPLACE PHONE SYSTEM	210,247.33	.00	.00	.00	.00	.00	.0%
TOWN BACKUPS	49,240.97	.00	.00	.00	.00	.00	.0%
SECURITY UPGRADES	51,614.50	.00	.00	.00	.00	.00	.0%
VIRTUAL SERVER HOST SY	.00	60,000.00	60,000.00	.00	.00	.00	-100.0%
FIBER OPTIC CONNECTION	.00	50,000.00	50,000.00	.00	.00	.00	-100.0%
IT TOWNWIDE FACILITY I	7,675.88	50,000.00	50,000.00	.00	.00	.00	-100.0%
PROPERTY ID & SUBSTATI	2,486.10	1,220,000.00	1,220,000.00	1,660,000.00	.00	.00	36.1%
RECORDS MGMT UPGRADE	74,122.00	.00	.00	.00	.00	.00	.0%
TASER REPLACEMENT CIP	.00	86,000.00	86,000.00	.00	.00	.00	-100.0%
MDC REPLACEMENT CIP	.00	124,000.00	124,000.00	.00	.00	.00	-100.0%
FIELDS @ NARANJA - CAP	.00	.00	.00	212,600.00	.00	.00	.0%

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TOWN OF ORO VALLEY
NEXT YEAR BUDGET COMPARISON REPORT

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bgnyrpts

PROJECTION: 2017 FY 16/17 BUDGET

FOR PERIOD 99

ACCOUNTS FOR: GENERAL GOVERNMENT CIP FUND	2015 ACTUAL	2016 ORIG BUD	2016 REVISED BUD	2017 TOWN MGR	2017 TOWN COUN	2017 FINAL	PCT CHANGE
NARANJA PARK MASTER PL	62,517.50	.00	.00	.00	.00	.00	.0%
NEW RESTROOM AT NARANJ	81,676.88	145,000.00	145,000.00	.00	.00	.00	-100.0%
ADDITIONS/UPGRADES PLA	48,530.84	.00	.00	.00	.00	.00	.0%
COVER PUMPHOUSE AT SPR	104,200.00	50,000.00	50,000.00	.00	.00	.00	-100.0%
AQUATIC CENTER UPGRADE	55,906.47	.00	.00	.00	.00	.00	.0%
STEAM PUMP RANCH CIP I	.00	.00	425,000.00	.00	.00	.00	-100.0%
EL CONQUISTADOR ACQUIS	.00	300,000.00	300,000.00	350,000.00	.00	.00	16.7%
POOL HEATERS AT AQUATI	.00	.00	.00	148,000.00	.00	.00	.0%
PERIMETER WALL @ 680	.00	.00	.00	50,000.00	.00	.00	.0%
ELECTRONIC DOCUMENT MG	91,634.45	.00	.00	.00	.00	.00	.0%
CAPITAL OUTLAY	2,688,407.14	2,580,000.00	3,005,000.00	2,510,600.00	.00	.00	-16.5%
TOTAL GENERAL GOVERNMENT CIP	2,688,407.14	2,580,000.00	3,005,000.00	2,510,600.00	.00	.00	-16.5%
GRAND TOTAL	2,688,407.14	2,580,000.00	3,005,000.00	2,510,600.00	.00	.00	-16.5%

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Capital Improvement Program (CIP) Overview

Overview

Providing infrastructure is a primary function of local governments. Maintaining public safety, town services, parks and recreation facilities, adequate transportation systems, and the community's quality of life are all heavily dependent on how the Town handles infrastructure issues.

The Capital Improvement Program (CIP) is a comprehensive, fifteen-year plan of capital projects that will support the continued growth and development of the town. The CIP is used in implementing the General Plan and supporting the Town's adopted Strategic Plan by developing a prioritized schedule of short-range and long-range community capital needs, evaluating projects, and analyzing the community's ability and willingness to pay for them in the most cost-effective way. The Town uses the CIP as its method in determining future infrastructure requirements and planning the financing of facilities and equipment to maintain the service levels provided to town citizens.

The Town identifies capital projects as those which:

- Cost \$50,000 or more;
- Have an expected useful life of five or more years; and
- Becomes, or preserves, an asset of the Town

The Town uses the Capital Improvement Program as an avenue of communication to the public. Through the CIP document, residents and businesses are provided with an accurate and concise view of the Town's long term direction for capital investment and the Town's need for stable revenue sources to fund large multi-year capital projects.

CIP projects funded in FY 2016-17 total \$19,803,000. The table below shows this breakdown by Fund:

Fund	Amount
General Government CIP Fund	\$2,648,000
Highway Fund	\$1,625,000
Community Center Fund	\$596,000
Roadway Development Impact Fee Fund	\$2,000,000
PAG/RTA Fund	\$9,027,000
Police Impact Fee Fund	\$285,000
Library Impact Fee Fund	\$187,000
Water Utility Fund	\$3,285,000
Alternative Water Resources Dev Impact Fee Fund	\$100,000
Stormwater Utility Fund	\$50,000
Total All Funds	\$19,803,000

Please refer to the comprehensive fifteen-year CIP schedules and the project descriptions for additional detail on all projects.



Five-Year CIP Summary FY 2016/17 Through FY 2020/21

	FY 16/17 Recommended	FY 17/18 Projected	FY 18/19 Projected	FY 19/20 Projected	FY 20/21 Projected
REVENUES BY SOURCE					
Transfers from General Fund	1,617,000	2,670,000	1,730,000	1,535,000	1,450,000
Bed Tax Fund Reserves	100,000	-	-	-	-
General Govt CIP Fund Reserves	700,000	-	-	-	-
AZ Dept of Transportation Grant	81,000	-	-	-	-
State Shared Revenue (HURF Gas Tax)	1,150,000	1,250,000	1,250,000	1,250,000	1,250,000
Highway Fund Reserves	375,000	-	-	-	-
.5% Dedicated Local Sales Tax	596,000	250,000	445,000	475,000	725,000
Roadway Impact Fees	2,000,000	800,000	500,000	700,000	-
Pima Assoc. of Govts. (PAG) Reimbursements	5,817,000	-	75,000	-	-
Regional Transp. Auth. (RTA) Reimbursements	3,210,000	-	3,000,000	-	-
Fleet Revenues	-	-	100,000	-	55,000
Police Impact Fees	285,000	-	-	-	-
Parks & Recreation Impact Fees	250,000	-	-	-	-
Library Impact Fees and Library Donations	187,000	-	-	-	-
Water Utility Fund Revenues	3,285,000	1,170,000	670,000	2,160,000	1,400,000
Alternative Water Resources Impact Fees	100,000	-	400,000	4,080,000	3,100,000
Potable Water System Impact Fees	-	-	-	500,000	300,000
Stormwater Utility Fee	50,000	370,000	85,000	110,000	-
	<u>\$ 19,803,000</u>	<u>\$ 6,510,000</u>	<u>\$ 8,255,000</u>	<u>\$ 10,810,000</u>	<u>\$ 8,280,000</u>

REVENUES BY FUND					
General Fund	2,535,400	2,670,000	1,730,000	1,535,000	1,450,000
Bed Tax Fund	100,000	-	-	-	-
Highway Fund	1,525,000	1,250,000	1,250,000	1,250,000	1,250,000
Community Center Fund	596,000	250,000	445,000	475,000	725,000
Roadway Development Impact Fee Fund	2,000,000	800,000	500,000	700,000	-
PAG/RTA Fund	9,027,000	-	3,075,000	-	-
Police Impact Fee Fund	285,000	-	-	-	-
Library Impact Fee Fund	187,000	-	-	-	-
Parks & Recreation Impact Fee Fund	112,600	-	-	-	-
Fleet Fund	-	-	100,000	-	55,000
Water Utility Fund	3,285,000	1,170,000	670,000	2,160,000	1,400,000
Alternative Water Resources Dev Impact Fee Fund	100,000	-	400,000	4,080,000	3,100,000
Potable Water System Dev Impact Fee Fund	-	-	-	500,000	300,000
Stormwater Utility Fund	50,000	370,000	85,000	110,000	-
	<u>\$ 19,803,000</u>	<u>\$ 6,510,000</u>	<u>\$ 8,255,000</u>	<u>\$ 10,810,000</u>	<u>\$ 8,280,000</u>

EXPENDITURES BY FUND					
General Government CIP Fund	2,648,000	2,305,000	1,375,000	1,045,000	870,000
Highway Fund	1,625,000	1,615,000	1,605,000	1,740,000	1,830,000
Community Center Fund	596,000	250,000	445,000	475,000	725,000
Roadway Development Impact Fee Fund	2,000,000	800,000	500,000	700,000	-
PAG/RTA Fund	9,027,000	-	3,075,000	-	-
Police Impact Fee fund	285,000	-	-	-	-
Library Impact Fee Fund	187,000	-	-	-	-
Fleet Fund	-	-	100,000	-	55,000
Water Utility Fund	3,285,000	1,170,000	670,000	2,160,000	1,400,000
Alternative Water Resources Dev Impact Fee Fund	100,000	-	400,000	4,080,000	3,100,000
Potable Water System Dev Impact Fee Fund	-	-	-	500,000	300,000
Stormwater Utility Fund	50,000	370,000	85,000	110,000	-
	<u>\$ 19,803,000</u>	<u>\$ 6,510,000</u>	<u>\$ 8,255,000</u>	<u>\$ 10,810,000</u>	<u>\$ 8,280,000</u>



CIP Project Descriptions

The following are detailed descriptions of all of the recommended CIP projects for Fiscal Year 2016-2017. Discussion includes potential operating impact to the Town (if known and identifiable at this time) as well as indicating any additional funding the Town will receive to complete the project.

PROJECT TITLE:	Construct Perimeter Wall Surrounding 680 Calle Concordia Facilities
DEPARTMENT:	Public Works - Fleet/Transit
FY 16-17 PROJECT BUDGET:	\$50,000
PRIMARY FUNDING:	General Fund
ADDITIONAL FUNDING:	N/A
PROJECT DESCRIPTION:	Construct perimeter wall surrounding Town facilities at 680 Calle Concordia (multi-year project)
PROJECT JUSTIFICATION:	Provide neighborhood buffer and enhanced security in anticipation of future operations at the facility, to include housing of Town's transit fleet and fueling facility expansion
ANNUAL OPERATING IMPACT:	None anticipated

PROJECT TITLE:	Transit Scheduling Software and Mobility Data System
DEPARTMENT:	Public Works - Transit
FY 16-17 PROJECT BUDGET:	\$90,000
PRIMARY FUNDING:	Arizona Department of Transportation 5310 Grant (\$81,000)
ADDITIONAL FUNDING:	General Fund (\$9,000)
PROJECT DESCRIPTION:	Upgrade scheduling software and purchase mobility data system to improve overall performance, customer service and efficiency of transit service delivery
PROJECT JUSTIFICATION:	Supports the strategy of improving transportation infrastructure as outlined in the Strategic Plan
ANNUAL OPERATING IMPACT:	Potential for increased Transit revenues due to improved scheduling, potential maintenance savings

PROJECT TITLE:	Construct Two Additional Soccer Fields at Naranja Park
DEPARTMENT:	Public Works - Parks Maintenance
FY 16-17 PROJECT BUDGET:	\$350,000 (Capital costs \$212,600; personnel costs \$137,400)
FY 16-17 FUNDING:	Parks & Rec Impact Fees (\$250,000); Bed Tax Fund (\$100,000)
ADDITIONAL FUNDING:	General Fund (\$380,000 in FY 17-18)
PROJECT DESCRIPTION:	Construct two new unlit multi-use (soccer) grass fields with irrigation, under-drainage system, fencing and conduit for future lighting
PROJECT JUSTIFICATION:	Provides additional daytime field capacity at Naranja Park, provides layover space when primary lit fields are offline, provide event space at the park, meets key goals outlined in Strategic Plan
ANNUAL OPERATING IMPACT:	Field rental revenues, water and maintenance costs



CIP Project Descriptions

PROJECT TITLE: Replace Two Olympic Pool Heaters at Aquatic Center
DEPARTMENT: Parks and Recreation
FY 16-17 PROJECT BUDGET: \$148,000
PRIMARY FUNDING: General Fund
ADDITIONAL FUNDING: N/A
PROJECT DESCRIPTION: Replace two malfunctioning heaters for the olympic pool at the Aquatic Center
PROJECT JUSTIFICATION: Maintain consistent pool temperature year-round, improved patron retention, improved competition/event attraction, avoidance of costly service and repair needs, free up staff time to allow for more focus on pool safety duties
ANNUAL OPERATING IMPACT: Potential for increased patron and event revenues, avoidance of service and repair costs

PROJECT TITLE: El Conquistador Country Club and Golf Course Acquisition
DEPARTMENT: Parks and Recreation
FY 16-17 PROJECT BUDGET: \$350,000
PRIMARY FUNDING: General Fund
ADDITIONAL FUNDING: N/A
PROJECT DESCRIPTION: Purchase of El Conquistador Country Club, golf course and tennis facilities for conversion to a Town community and recreation center (year 2 of 3-yr purchase plan; total cost \$1,000,000)
PROJECT JUSTIFICATION: Addresses elements eight and nine of the 2005 adopted General Plan
ANNUAL OPERATING IMPACT: FY 16-17 projected revenues of \$6.6 million; FY 16-17 projected expenditures of \$7.0 million

PROJECT TITLE: Property/ID and Southern Substation Building
DEPARTMENT: Police
FY 16-17 PROJECT BUDGET: \$1,945,000
PRIMARY FUNDING: General Fund (\$1,660,000)
ADDITIONAL FUNDING: Police Impact Fees (\$285,000)
PROJECT DESCRIPTION: Continued expansion and construction on newly acquired building to serve as Police southern substation and evidence facility
PROJECT JUSTIFICATION: Evidence storage was not in compliance with state and federal occupational safety and health regulations; project mitigates liabilities due to staff safety hazards by providing a safe and secure evidence storage facility and needed space for public safety personnel
ANNUAL OPERATING IMPACT: Savings in previous rental lease costs are expected to fully cover new facility operating costs



CIP Project Descriptions

PROJECT TITLE: Side Cast Sweeper
DEPARTMENT: Public Works - Street Maintenance
FY 16-17 PROJECT BUDGET: \$85,000
PRIMARY FUNDING: Highway Fund
ADDITIONAL FUNDING: N/A
PROJECT DESCRIPTION: Replaced current 1999 sweeper that is past useful life
PROJECT JUSTIFICATION: Provides public with routine street sweeping services to achieve aesthetic and safety goals by keeping town streets clean and clear of debris that could pose safety hazards
ANNUAL OPERATING IMPACT: Potential for reduced maintenance costs by replacing older equipment

PROJECT TITLE: Skidsteer with Attachments & Level Best
DEPARTMENT: Public Works - Street Maintenance
FY 16-17 PROJECT BUDGET: \$90,000
PRIMARY FUNDING: Highway Fund
ADDITIONAL FUNDING: N/A
PROJECT DESCRIPTION: Purchase new skidsteer to assist with various capital projects, including cart path work on Community & Recreation Center golf courses, construction of new multi-use (soccer) fields at Naranja Park, and general road and drainage work
PROJECT JUSTIFICATION: This equipment purchase allows staff to self-perform certain projects while avoiding rental costs, and will be used to maintain the Town's multi-use path system
ANNUAL OPERATING IMPACT: Potential for savings due to avoided equipment rental costs; minimal maintenance and gasoline costs

PROJECT TITLE: Pavement Preservation Program
DEPARTMENT: Public Works - Engineering
FY 16-17 PROJECT BUDGET: \$1,150,000
PRIMARY FUNDING: Highway Fund gas tax revenues
ADDITIONAL FUNDING: General Fund construction sales tax
PROJECT DESCRIPTION: Perform annual roadway surface treatments as per the Town's pavement preservation and management program
PROJECT JUSTIFICATION: Enhances and improves the roadway system, maintains current overall condition index (OCI) rating and avoids infrastructure deterioration as outlined in Strategic Plan
ANNUAL OPERATING IMPACT: Maintaining adequate funding for this program prevents future costly roadway reconstruction and rehabilitation



CIP Project Descriptions

PROJECT TITLE: Tangerine Access to Safeway (1st Ave) - Safety
DEPARTMENT: Public Works - Engineering
FY 16-17 PROJECT BUDGET: \$250,000
PRIMARY FUNDING: Highway Fund (\$180,000)
ADDITIONAL FUNDING: Proceeds from property owner where improvement is to occur (\$70,000)
PROJECT DESCRIPTION: Address traffic safety issue at intersection by constructing a new entrance to shopping center
PROJECT JUSTIFICATION: Mitigation of acute traffic safety issue based on completed intersection safety study
ANNUAL OPERATING IMPACT: None anticipated

PROJECT TITLE: Infrastructure Asset Management Software
DEPARTMENT: Public Works - Administration
FY 16-17 PROJECT BUDGET: \$50,000
PRIMARY FUNDING: Highway Fund
ADDITIONAL FUNDING: N/A
PROJECT DESCRIPTION: Upgrade software to improve overall performance in tracking, federally mandated inspections, mapping, web interaction, workforce management and infrastructure inventory
PROJECT JUSTIFICATION: Supports the strategies of improving Town resources and processes and prioritizing investments in capital infrastructure as outlined in the Strategic Plan
ANNUAL OPERATING IMPACT: Software licensing and part-time data entry personnel; estimated at \$37,500 annually

PROJECT TITLE: Golf Course Cart Path Improvements
DEPARTMENT: Parks and Recreation
FY 16-17 PROJECT BUDGET: \$50,000
PRIMARY FUNDING: Community Center Fund (0.5% dedicated sales tax)
ADDITIONAL FUNDING: N/A
PROJECT DESCRIPTION: Remediation of El Conquistador course paths to consist of resurfacing up to and including removal and replacement in specific areas
PROJECT JUSTIFICATION: Prevent further degradation and more costly repairs in the future, avoid cart damage, removal of tripping hazards, increase membership and daily play by investing in the course condition
ANNUAL OPERATING IMPACT: Potential for additional revenues through investing in course conditions, less wear and tear on golf carts likely to result in decreased maintenance costs



CIP Project Descriptions

PROJECT TITLE: Golf Course Irrigation Pump Rebuild
DEPARTMENT: Parks and Recreation
FY 16-17 PROJECT BUDGET: \$75,000
PRIMARY FUNDING: Community Center Fund (0.5% dedicated sales tax)
ADDITIONAL FUNDING: N/A
PROJECT DESCRIPTION: Repair and modernization of 30-year old pump station on El Conquistador golf course
PROJECT JUSTIFICATION: Current station has outlived useful life by at least 10 years, new station will improve energy efficiency, prevent damaging spikes in water pressure that break downstream irrigation piping, and prevent water loss from worn out, leaking seals
ANNUAL OPERATING IMPACT: Positive impact anticipated from reduced energy and water use, avoidance of pipe breakage/repair costs

PROJECT TITLE: Tennis Court Improvements
DEPARTMENT: Parks and Recreation
FY 16-17 PROJECT BUDGET: \$75,000
PRIMARY FUNDING: Community Center Fund (0.5% dedicated sales tax)
ADDITIONAL FUNDING: N/A
PROJECT DESCRIPTION: Repair surface cracking throughout asphalt tennis courts at Community & Recreation Center
PROJECT JUSTIFICATION: Prevent further degradation, which creates tripping hazards and results in more costly repairs in the future
ANNUAL OPERATING IMPACT: Avoidance of future costly removal and reconstruction costs, avoidance of liability for personal injury claims

PROJECT TITLE: Elevator and New Entryway at Community & Recreation Center
DEPARTMENT: Parks and Recreation
FY 16-17 PROJECT BUDGET: \$331,000
PRIMARY FUNDING: Community Center Fund (0.5% dedicated sales tax)
ADDITIONAL FUNDING: N/A
PROJECT DESCRIPTION: Reconstruct south main entrance to Community & Recreation Center to meet ADA compliance, to include removal of front stairs, rebuilding of the main entrance to align with parking lot and ground floor, addition of staircase for second floor access from main entrance, and construction of an elevator at the back of the facility
PROJECT JUSTIFICATION: Meet full ADA access compliance from ground floor/parking lot to facility's second floor
ANNUAL OPERATING IMPACT: Minimal additional energy, maintenance and inspection costs for elevator and new stairway



CIP Project Descriptions

PROJECT TITLE: New Family/Teen Game Room at Community & Recreation Center
DEPARTMENT: Parks and Recreation
FY 16-17 PROJECT BUDGET: \$65,000
PRIMARY FUNDING: Community Center Fund (0.5% dedicated sales tax)
ADDITIONAL FUNDING: N/A
PROJECT DESCRIPTION: Convert a current racquetball court at Community & Recreation Center to game and activity room, to include utility work, flooring, sound abatement, painting, accessible door entry, and addition of furnishings and games
PROJECT JUSTIFICATION: Project would provide badly needed space for those in the 9-14 year-old age group, families could utilize the area for play, parties, etc.
ANNUAL OPERATING IMPACT: Minimal increased utility and maintenance costs, future equipment replacement with aging, potential for increased revenues through added family memberships

PROJECT TITLE: Lambert Lane from La Cañada to La Cholla
DEPARTMENT: Public Works - Engineering
FY 16-17 PROJECT BUDGET: \$6,517,000
PRIMARY FUNDING: Pima Association of Government (PAG) funds (\$5,517,000)
ADDITIONAL FUNDING: Roadway development impact fees (\$1,000,000)
PROJECT DESCRIPTION: Widening Lambert Lane to four lanes to include bicycle lanes
PROJECT JUSTIFICATION: Reinforces the Oro Valley brand through excellence in infrastructure design and maintenance and promotes Oro Valley's bicycle-friendly community as per the Strategic Plan
ANNUAL OPERATING IMPACT: None anticipated

PROJECT TITLE: Tangerine Road from La Cañada to Shannon
DEPARTMENT: Public Works - Engineering
FY 16-17 PROJECT BUDGET: \$2,710,000
PRIMARY FUNDING: Regional Transportation Authority (RTA) funds (\$1,710,000)
ADDITIONAL FUNDING: Roadway development impact fees (\$1,000,000)
PROJECT DESCRIPTION: Widen Tangerine Road to four lanes with landscaped medians, install turn lanes and signalization at key intersections and upgrade conditions to avoid closures due to flooding
PROJECT JUSTIFICATION: As per the adopted RTA Plan
ANNUAL OPERATING IMPACT: None anticipated



CIP Project Descriptions

PROJECT TITLE:	La Cañada Moore Intersection Study
DEPARTMENT:	Public Works - Engineering
FY 16-17 PROJECT BUDGET:	\$50,000
PRIMARY FUNDING:	Pima Association of Government (PAG) funds
ADDITIONAL FUNDING:	N/A
PROJECT DESCRIPTION:	Safety study at the intersection of Moore Road and La Cañada Drive to evaluate existing intersection conditions, taking into account the area's high growth rate, and identify options for future traffic control improvements
PROJECT JUSTIFICATION:	Address potential safety issues for the community
ANNUAL OPERATING IMPACT:	None anticipated

PROJECT TITLE:	La Cañada HAWK Signals - Community and Recreation Center
DEPARTMENT:	Public Works - Engineering
FY 16-17 PROJECT BUDGET:	\$250,000
PRIMARY FUNDING:	Pima Association of Government (PAG) funds
ADDITIONAL FUNDING:	N/A
PROJECT DESCRIPTION:	Installation of High-intensity Activated crossWalk (HAWK) signals on La Cañada Drive at the Town's Community & Recreation Center
PROJECT JUSTIFICATION:	Installation of crosswalk signals are an added safety element to assist pedestrians in crossing the road
ANNUAL OPERATING IMPACT:	Minimal maintenance and utility costs

PROJECT TITLE:	La Cholla Blvd from Lambert to Tangerine
DEPARTMENT:	Public Works - Engineering
FY 16-17 PROJECT BUDGET:	\$1,500,000
PRIMARY FUNDING:	Regional Transportation Authority (RTA) Funds
ADDITIONAL FUNDING:	Roadway development impact fees (in future fiscal year)
PROJECT DESCRIPTION:	Widen La Cholla Blvd to four lanes, drainage improvements and multi-use lanes FY 16-17 project budget is for design
PROJECT JUSTIFICATION:	Reinforces the Oro Valley brand through excellence in infrastructure design and maintenance and promotes Oro Valley's bicycle-friendly community
ANNUAL OPERATING IMPACT:	None anticipated



CIP Project Descriptions

PROJECT TITLE: Library Parking Lot Enhancements
 DEPARTMENT: Public Works - Engineering
 FY 16-17 PROJECT BUDGET: \$187,000
 PRIMARY FUNDING: Donation from Friends of Oro Valley Library (\$150,000)
 ADDITIONAL FUNDING: Library impact fee funds (\$37,000)
 PROJECT DESCRIPTION: Increase parking capacity and improve lighting at the Oro Valley Branch Library
 PROJECT JUSTIFICATION: Facility was built in 2001 and is in need of additional parking and associated lighting to improve the community experience and access to the facility
 ANNUAL OPERATING IMPACT: Minimal maintenance costs for additional asphalt

PROJECT TITLE: Well E2 Upgrade
 DEPARTMENT: Water Utility
 FY 16-17 PROJECT BUDGET: \$150,000
 PRIMARY FUNDING: Water Utility Fund
 ADDITIONAL FUNDING: N/A
 PROJECT DESCRIPTION: Remove existing pumping unit, rehabilitate the well and re-equip with new pumping unit
 PROJECT JUSTIFICATION: Rehabilitate an important water production facility, introduce operational efficiencies and meet desired pumping capacity at the facility
 ANNUAL OPERATING IMPACT: Potential electricity savings through removing the current need to pump water twice

PROJECT TITLE: Hydropneumatic Tank Replacement
 DEPARTMENT: Water Utility
 FY 16-17 PROJECT BUDGET: \$60,000
 PRIMARY FUNDING: Water Utility Fund
 ADDITIONAL FUNDING: N/A
 PROJECT DESCRIPTION: Inspect tanks for recertification and repair or replace to protect system integrity
 PROJECT JUSTIFICATION: Supports the strategy of delivering a safe and reliable water supply to all water utility customers as per the Strategic Plan
 ANNUAL OPERATING IMPACT: Potential for maintenance savings



CIP Project Descriptions

PROJECT TITLE: Replace Well Pumps
 DEPARTMENT: Water Utility
 FY 16-17 PROJECT BUDGET: \$75,000
 PRIMARY FUNDING: Water Utility Fund
 ADDITIONAL FUNDING: N/A
 PROJECT DESCRIPTION: Evaluate and identify production facilities requiring pump replacement, and complete a rehabilitation and re-equipping of the pump as necessary
 PROJECT JUSTIFICATION: Improves operating efficiency, system reliability and water quality
 ANNUAL OPERATING IMPACT: Potential for energy savings

PROJECT TITLE: Water Quality Control Program
 DEPARTMENT: Water Utility
 FY 16-17 PROJECT BUDGET: \$70,000
 PRIMARY FUNDING: Water Utility Fund
 ADDITIONAL FUNDING: N/A
 PROJECT DESCRIPTION: Purchase and installation of reservoir mixing devices which maintain chlorine residual, reduce trihalomethanes, prevent water stagnation/stratification and assist with blending of CAP water
 PROJECT JUSTIFICATION: Supports the strategy of delivering a safe and reliable water supply to all water utility customers as per the Strategic Plan
 ANNUAL OPERATING IMPACT: Minimal increased electricity costs

PROJECT TITLE: Glover Reservoir Coating and Lining
 DEPARTMENT: Water Utility
 FY 16-17 PROJECT BUDGET: \$100,000
 PRIMARY FUNDING: Water Utility Fund
 ADDITIONAL FUNDING: N/A
 PROJECT DESCRIPTION: Sandblast, reline and recoat 20+ year-old reservoir on Glover Road with industry coating standards
 PROJECT JUSTIFICATION: Required maintenance for reservoir that is over 20 years old to ensure long-term service to the Water Utility, improve system reliability and improve water quality
 ANNUAL OPERATING IMPACT: Avoidance of future costly repair and replacement needs



CIP Project Descriptions

PROJECT TITLE: Big Wash Reservoir Coating
DEPARTMENT: Water Utility
FY 16-17 PROJECT BUDGET: \$100,000
PRIMARY FUNDING: Water Utility Fund
ADDITIONAL FUNDING: N/A
PROJECT DESCRIPTION: Preparation and recoating of the exterior surface of two tanks at the Big Wash reservoir facility that are more than 15 years old
PROJECT JUSTIFICATION: Recoating protects the tanks from corrosion and ensures many additional years of trouble-free service
ANNUAL OPERATING IMPACT: Avoidance of future costly repair and replacement needs

PROJECT TITLE: Add Reclaimed Booster Pump - Thornydale Booster Station (Tucson Water)
DEPARTMENT: Water Utility
FY 16-17 PROJECT BUDGET: \$200,000
PRIMARY FUNDING: Water Utility Fund
ADDITIONAL FUNDING: N/A
PROJECT DESCRIPTION: Equip one of two spare pump cans at Thornydale reclaimed booster station with an additional vertical turbine pump to serve as backup in case of booster pump failure
PROJECT JUSTIFICATION: Improves operating efficiency, system reliability and service to public
ANNUAL OPERATING IMPACT: None anticipated

PROJECT TITLE: West Lambert Lane 12-Inch Main Relocation
DEPARTMENT: Water Utility
FY 16-17 PROJECT BUDGET: \$600,000
PRIMARY FUNDING: Water Utility Fund
ADDITIONAL FUNDING: N/A
PROJECT DESCRIPTION: Relocate and install approximately 2,800 feet of a new 12-inch water main and add one pressure-reducing valve station on Lambert Lane from La Cañada to Rancho Sonora
PROJECT JUSTIFICATION: Work is being completed in coordination with planned Lambert Lane roadway project Current main is 8-inch; new 12-inch main will provide for anticipated growth in future
ANNUAL OPERATING IMPACT: Potential maintenance savings due to replacement of older pipe with new, larger size



CIP Project Descriptions

PROJECT TITLE:	Relocate Three Pressure-Reducing Valves (PRVs) in Oro Valley Area
DEPARTMENT:	Water Utility
FY 16-17 PROJECT BUDGET:	\$100,000
PRIMARY FUNDING:	Water Utility Fund
ADDITIONAL FUNDING:	N/A
PROJECT DESCRIPTION:	Relocate three currently buried pressure-reducing valves on Desert Sky road, Golf View Drive and Calle Loma Linda to above ground, to include pavement-cutting, excavation, piping modifications, backfilling and metal fabrication
PROJECT JUSTIFICATION:	Buried vaults create confined, unsafe work environments for maintenance and repair This project would relocate these PRVs above ground
ANNUAL OPERATING IMPACT:	Potential for staff time and maintenance savings due to greater ease of servicing and maintaining the equipment

PROJECT TITLE:	System Connection Upgrades
DEPARTMENT:	Water Utility
FY 16-17 PROJECT BUDGET:	\$50,000
PRIMARY FUNDING:	Water Utility Fund
ADDITIONAL FUNDING:	N/A
PROJECT DESCRIPTION:	Distribution piping modifications at Glover Road; installation of a Pressure-Sustaining Valve (PSF)
PROJECT JUSTIFICATION:	Project will improve the capability and efficiency of Central Arizona Project (CAP) blending within the Oro Valley water system
ANNUAL OPERATING IMPACT:	None anticipated

PROJECT TITLE:	Main Valve Replacements
DEPARTMENT:	Water Utility
FY 16-17 PROJECT BUDGET:	\$50,000
PRIMARY FUNDING:	Water Utility Fund
ADDITIONAL FUNDING:	N/A
PROJECT DESCRIPTION:	Identify and replace non-working valves, including main valves, air release valves and drain valve assemblies
PROJECT JUSTIFICATION:	Supports the strategy of delivering a safe and reliable water supply to all water utility customers as per the Strategic Plan
ANNUAL OPERATING IMPACT:	Anticipated maintenance savings and system reliability as result of replacing older valves



CIP Project Descriptions

PROJECT TITLE: La Cholla - Lambert to Tangerine Main Relocation
DEPARTMENT: Water Utility
FY 16-17 PROJECT BUDGET: \$70,000
PRIMARY FUNDING: Water Utility Fund
ADDITIONAL FUNDING: N/A
PROJECT DESCRIPTION: Relocate existing potable mains on La Cholla Boulevard from Lambert Lane to Tangerine Road. Add water main extension across La Cholla for future growth and to loop existing "D" zone mains to improve system reliability.
PROJECT JUSTIFICATION: Work is being completed in coordination with planned La Cholla roadway project.
ANNUAL OPERATING IMPACT: None anticipated

PROJECT TITLE: 24-Inch Reclaimed Main Relocation Tangerine Road
DEPARTMENT: Water Utility
FY 16-17 PROJECT BUDGET: \$1,500,000
PRIMARY FUNDING: Water Utility Fund
ADDITIONAL FUNDING: N/A
PROJECT DESCRIPTION: Relocate 24-inch reclaimed main on Tangerine Road in coordination with Regional Transportation Authority project.
PROJECT JUSTIFICATION: Supports the overall Strategic Plan strategy of delivering a safe and reliable water system to all Water Utility customers.
ANNUAL OPERATING IMPACT: None anticipated

PROJECT TITLE: Production Facility Building Retrofit
DEPARTMENT: Water Utility
FY 16-17 PROJECT BUDGET: \$80,000
PRIMARY FUNDING: Water Utility Fund
ADDITIONAL FUNDING: N/A
PROJECT DESCRIPTION: Relocate hardware in existing chemical room to the chlorine building and remodel chemical room as office space for supervisory staff and system operator.
PROJECT JUSTIFICATION: Supervisory staff and system operator are currently working out of the electrical room, which is not an appropriate space for supervision and system operation to take place.
ANNUAL OPERATING IMPACT: None anticipated



CIP Project Descriptions

PROJECT TITLE: Purchase New Dump Truck
DEPARTMENT: Water Utility
FY 16-17 PROJECT BUDGET: \$80,000
PRIMARY FUNDING: Water Utility Fund
ADDITIONAL FUNDING: N/A
PROJECT DESCRIPTION: Purchase of new dump truck to replace older piece of equipment used for construction work
PROJECT JUSTIFICATION: The purchase of this equipment allows Town staff to continue to perform certain construction work in-house, as opposed to contracting out
ANNUAL OPERATING IMPACT: Potential maintenance savings as result of replacing older equipment, and avoidance of contract costs for certain construction projects

PROJECT TITLE: E-C Pressure-Sustaining Valve (PSV) Naranja Reservoir - CAP Blending
DEPARTMENT: Water Utility
FY 16-17 PROJECT BUDGET: \$100,000
PRIMARY FUNDING: Alternative Water Resources development impact fees
ADDITIONAL FUNDING: N/A
PROJECT DESCRIPTION: Install a pressure-sustaining valve and associated piping at Naranja reservoir for Central Arizona Project (CAP) blending
PROJECT JUSTIFICATION: Project will enhance CAP blending of "E" zone water into "C" zone
 Proper blending of the Water Utility's CAP water with groundwater allows for uniform distribution of renewable resources
ANNUAL OPERATING IMPACT: None anticipated

PROJECT TITLE: 4.5 Cubic yard Wheel Loader Lease Payment
DEPARTMENT: Public Works - Stormwater
FY 16-17 PROJECT BUDGET: \$50,000
PRIMARY FUNDING: Stormwater Utility Fund
ADDITIONAL FUNDING: N/A
PROJECT DESCRIPTION: Lease payment for loader, which provides capacity needed for monsoon storm clean-up and emergencies
PROJECT JUSTIFICATION: Loader provides for monsoon storm preparation and clean-up, ensuring drainageways and streets are maintained for safe public use
ANNUAL OPERATING IMPACT: Potential for savings from ability to perform work in-house

CAPITAL IMPROVEMENT PROGRAM

Project Name	Department	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30	FY 30/31	TOTAL \$
GENERAL GOVERNMENT CIP FUND																	
Improvements at 680 Calle Concordia Facilities	PW-Fleet/Transit	\$ 50,000	\$ 125,000	\$ 75,000	\$ 40,000	\$ 90,000											380,000
Transit Scheduling Software and Mobility Data System	PW-Transit	\$ 90,000															90,000
Two Additional Soccer Fields at Naranja Park	PW-Parks Maint.	\$ 350,000	\$ 380,000														730,000
New Playground at Naranja Park	PW-Parks Maint.			\$ 200,000	\$ 195,000												395,000
Playground Additions/Upgrades at Riverfront Park	PW-Parks Maint.				\$ 200,000												200,000
Renovate Upper Soccer Field at Riverfront Park	PW-Parks Maint.			\$ 200,000													200,000
Convert Lower Soccer Field to Softball at Riverfront Park	PW-Parks Maint.				\$ 200,000												200,000
Playground Upgrade at JDK Park	PW-Parks Maint.				\$ 200,000												200,000
New Ramadas at JDK Park	PW-Parks Maint.			\$ 100,000	\$ 100,000		\$ 100,000										300,000
Expand and Upgrade Green Field at JDK Park	PW-Parks Maint.					\$ 150,000											150,000
Honeybee Canyon Park Upgrades	PW-Parks Maint.						\$ 150,000										150,000
Town Hall Parking Lot Landscaping	PW-Parks Maint.						\$ 75,000										75,000
Replacement Phone System	IT								\$ 300,000								300,000
Town Backups	IT					\$ 200,000											200,000
Server Operating System Upgrade	IT				\$ 50,000					\$ 60,000				\$ 70,000			180,000
Network Storage Upgrade	IT			\$ 50,000				\$ 60,000					\$ 72,000				182,000
Database Licensing	IT					\$ 80,000					\$ 85,000					\$ 93,500	258,500
Upgrade Desktop Operating System - Windows 10	IT		\$ 150,000						\$ 200,000							\$ 220,000	570,000
Virtual Server Host System Replacement	IT				\$ 60,000						\$ 60,000					\$ 66,000	186,000
Replace Network Infrastructure Hardware	IT					\$ 50,000			\$ 200,000								250,000
Fiber-Optic Connection - Calle Concordia	IT		\$ 50,000														50,000
IT Regulatory Compliance	IT						\$ 50,000			\$ 50,000		\$ 50,000					150,000
Court Building Expansion and Bench Redesign	Court		\$ 650,000														650,000
Replace Pool Heaters at Oro Valley Aquatic Center	Parks & Rec	\$ 148,000															148,000
Improvements at Steam Pump Ranch	Parks & Rec			\$ 150,000													150,000
Mobile Stage	Parks & Rec						\$ 150,000										150,000
El Conquistador Country Club & Golf Course Acquisition	Parks & Rec	\$ 350,000	\$ 350,000														700,000
Property/ID and Southern Substation Building	Police	\$ 1,660,000	\$ 600,000	\$ 600,000													2,860,000
New Substation and Training Facility at MOC	Police							\$ 3,170,000									3,170,000
Substation and Training Facility (Arroyo Grande)	Police												\$ 3,170,000				3,170,000
Replace Command Post	Police					\$ 300,000											300,000
Expand Communications Infrastructure	Police							\$ 200,000									200,000
TOTAL GENERAL GOVERNMENT CIP FUND		\$ 2,648,000	\$ 2,305,000	\$ 1,375,000	\$ 1,045,000	\$ 870,000	\$ 525,000	\$ 3,430,000	\$ 700,000	\$ 110,000	\$ 145,000	\$ 50,000	\$ 3,242,000	\$ 70,000	\$ 379,500	\$ -	\$ 16,894,500

HIGHWAY FUND

Equipment																	
Side Cast Sweeper	PW-Streets	\$ 85,000															85,000
Skidsteer with Attachments & Level Best	PW-Streets	\$ 90,000															90,000
5-7 Cubic Yard Bobtail End Dump	PW-Streets								\$ 90,000								90,000
3 - 3.5 Cubic Yard Loader	PW-Streets			\$ 100,000	\$ 75,000	\$ 75,000											250,000
12+ Cubic Yard End Dump	PW-Streets					\$ 145,000									\$ 145,000		290,000
Rubber Tire Small Skid Steer LDR	PW-Streets					\$ 65,000											65,000
4000 Gallon Water Truck	PW-Streets				\$ 110,000	\$ -											110,000
9-Wheel Roller	PW-Streets						\$ 80,000										80,000
3 Line Message Board	PW-Streets						\$ 25,000							\$ 25,000			50,000
Steel Drum Roller	PW-Streets							\$ 50,000									50,000
Gannon & Mower	PW-Streets							\$ 80,000									80,000
Wood Chipper	PW-Streets								\$ 65,000								65,000
Crack Seal Melter	PW-Streets								\$ 90,000	\$ 100,000							190,000
Motorgrader/Blade	PW-Streets										\$ 350,000						350,000
4X4 Extended Backhoe	PW-Streets									\$ 90,000			\$ 100,000				190,000
Compressor	PW-Streets											\$ 40,000					40,000
Walk Behind Roller	PW-Streets											\$ 45,000					45,000
Polymer Crack sealer	PW-Streets												\$ 5,000				5,000
Vacuum Excavator	PW-Streets													\$ 80,000			80,000
Expansion																	
Excavator	PW-Streets					\$ 190,000	\$ 70,000	\$ 70,000									330,000
Dozer	PW-Streets						\$ 190,000	\$ 70,000	\$ 70,000								330,000
Tracked Skid Steer with Attachments	PW-Streets								\$ 100,000								100,000
10 Wheel Tractor w/Day Cab	PW-Streets									\$ 115,000							115,000
Belly Dump	PW-Streets									\$ 75,000							75,000
Rock End Dump	PW-Streets									\$ 75,000							75,000
Low Boy Trailer	PW-Streets									\$ 75,000							75,000
Programs																	
Pavement Preservation Program	PW-Engineering	\$ 1,150,000	\$ 1,250,000	\$ 1,250,000	\$ 1,250,000	\$ 1,250,000	\$ 1,250,000	\$ 1,250,000	\$ 1,250,000	\$ 1,250,000	\$ 1,250,000	\$ 1,250,000	\$ 1,250,000	\$ 1,250,000	\$ 1,250,000	\$ 1,250,000	18,650,000
Illuminated Street Signs (2 Intersections per Year)	PW-Engineering		\$ -	\$ 55,000	\$ 55,000	\$ 55,000	\$ 55,000	\$ 55,000	\$ 55,000	\$ 55,000	\$ 55,000	\$ 55,000	\$ 55,000	\$ 55,000	\$ 55,000	\$ 55,000	385,000
Sidewalk Safety Program	PW-Engineering		\$ -	\$ -	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	1,300,000

CAPITAL IMPROVEMENT PROGRAM

Project Name	Department	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30	FY 30/31	TOTAL \$
HIGHWAY FUND (Continued)																	
Projects																	
Tangerine Access to Safeway (1st Ave) - Safety	PW-Engineering	\$ 250,000															250,000
Infrastructure Asset Management Software	PW-Admin	\$ 50,000															50,000
Rancho Vistoso Boulevard Street Lights (cr 1 & 3)	PW-Engineering		\$ 365,000	\$ 200,000	\$ 200,000												765,000
TOTAL HIGHWAY FUND		\$ 1,625,000	\$ 1,615,000	\$ 1,605,000	\$ 1,740,000	\$ 1,830,000	\$ 1,720,000	\$ 1,625,000	\$ 1,680,000	\$ 2,075,000	\$ 1,750,000	\$ 1,485,000	\$ 1,505,000	\$ 1,505,000	\$ 1,545,000	\$ 1,400,000	\$ 24,705,000
COMMUNITY CENTER FUND																	
Golf Course Cart Path Improvements	Parks & Rec	\$ 50,000	\$ 50,000	\$ 50,000													150,000
Golf Course Irrigation Pump Rebuild	Parks & Rec	\$ 75,000															75,000
Tennis Court Improvements	Parks & Rec	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000	\$ 75,000								600,000
Elevator and New Entryway at Community Center	Parks & Rec	\$ 331,000															331,000
New Family/Teen Game Room at Community Center	Parks & Rec	\$ 65,000															65,000
Restrooms, Bleachers, ADA Upgrades - Pusch Tennis	Parks & Rec		\$ 75,000														75,000
Fitness Lobby Remodel at Community Center	Parks & Rec					\$ 300,000											300,000
Stone-Cladding - Restaurant Columns and Hearth	Parks & Rec						\$ 60,000										60,000
Pool Decking and Lifeguard/Tennis Office Upgrades	Parks & Rec		\$ 50,000														50,000
Disposition of Little Pool & Jacuzzi - Possible Splash Pad	Parks & Rec			\$ 80,000													80,000
Restroom/Locker/Changing Room Reconfiguration	Parks & Rec				\$ 200,000												200,000
Opening of Racquetball Court Walls-Main Fitness Area	Parks & Rec					\$ 200,000	\$ 200,000										400,000
Construct Mezzanine Layer for Six Racquetball Courts	Parks & Rec							\$ 260,000									260,000
Front Lobby Reconfiguration	Parks & Rec			\$ 90,000													90,000
Replace Tennis Court Asphalt With Concrete	Parks & Rec									\$ 1,200,000							1,200,000
Fitness Hallway Roof and Porte Cochere	Parks & Rec				\$ 50,000												50,000
Golf Maintenance Facility Improvements	Parks & Rec						\$ 150,000										150,000
Golf Course Irrigation Replacement	Parks & Rec			\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	\$ 150,000	1,950,000
TOTAL COMMUNITY CENTER FUND		\$ 596,000	\$ 250,000	\$ 445,000	\$ 475,000	\$ 725,000	\$ 635,000	\$ 485,000	\$ 225,000	\$ 1,350,000	\$ 150,000	\$ 6,086,000					
ROADWAY DEV IMPACT FEE FUND																	
Lambert Lane from La Cañada to La Cholla	PW-Engineering	\$ 1,000,000															1,000,000
Tangerine Road from La Cañada to Shannon	PW-Engineering	\$ 1,000,000															1,000,000
La Cholla Blvd from Lambert to Tangerine	PW-Engineering		\$ 800,000														800,000
Traffic Light at La Cañada and Moore	PW-Engineering				\$ 700,000												700,000
Naranja Drive Two-Way Left Turn (at Naranja Park)	PW-Engineering			\$ 500,000													500,000
TOTAL ROADWAY DEV IMPACT FEE FUND		\$ 2,000,000	\$ 800,000	\$ 500,000	\$ 700,000	\$ -	\$ 4,000,000										
PAG / RTA FUND																	
Lambert Lane from La Cañada to La Cholla	PW-Engineering	\$ 5,517,000															5,517,000
Transportation Art by Youth Program	PW-Engineering			\$ 75,000			\$ 75,000			\$ 75,000			\$ 75,000				300,000
Tangerine Road from La Cañada to Shannon	PW-Engineering	\$ 1,710,000		\$ 3,000,000													4,710,000
La Cañada Moore Intersection Study	PW-Engineering	\$ 50,000															50,000
La Cañada - HAWK Signals - Community Center	PW-Engineering	\$ 250,000															250,000
La Cholla Blvd from Lambert to Tangerine	PW-Engineering	\$ 1,500,000															1,500,000
TOTAL PAG / RTA FUND		\$ 9,027,000	\$ -	\$ 3,075,000	\$ -	\$ -	\$ 75,000	\$ -	\$ -	\$ 75,000	\$ -	\$ -	\$ 75,000	\$ -	\$ -	\$ -	\$ 12,327,000
POLICE IMPACT FEE FUND																	
Property/ID and Southern Substation Building	Police	\$ 285,000															285,000
TOTAL POLICE IMPACT FEE FUND		\$ 285,000	\$ -	\$ 285,000													
LIBRARY IMPACT FEE FUND																	
Library Parking Lot Enhancements	PW-Engineering	\$ 187,000															187,000
TOTAL LIBRARY IMPACT FEE FUND		\$ 187,000	\$ -	\$ 187,000													
FLEET FUND																	
680 Calle Concordia Fueling Facility Upgrade	PW-Fleet					\$ 55,000											55,000
Maintenance Service Truck	PW-Fleet			\$ 100,000													100,000
TOTAL FLEET FUND		\$ -	\$ -	\$ 100,000	\$ -	\$ 55,000	\$ -	\$ 155,000									

CAPITAL IMPROVEMENT PROGRAM

Project Name	Department	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30	FY 30/31	TOTAL \$
WATER UTILITY FUND:																	
Existing System Improvements																	
Wells																	
Steam Pump Drill and Construct	Water						\$ 700,000	\$ 900,000									1,600,000
Steam Pump - Solar 10,000 Watt System	Water							\$ 50,000									50,000
Well Meter Replacement	Water						\$ 200,000							\$ 50,000			250,000
Well E2 Upgrade	Water	\$ 150,000															150,000
Well Production Modifications	Water		\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000											200,000
Well Replacement Program	Water										\$ 700,000	\$ 1,000,000				\$ 700,000	2,400,000
Hydropneumatic Tank Replacement	Water	\$ 60,000	\$ 60,000	\$ 60,000													180,000
Replace Well Pumps	Water	\$ 75,000		\$ 75,000		\$ 100,000		\$ 100,000		\$ 100,000		\$ 100,000		\$ 100,000		\$ 100,000	750,000
Reservoirs																	
El Con Storage - Operational Improvements	Water		\$ 50,000														50,000
Water Quality Control Program	Water	\$ 70,000															70,000
WP 4 Site Improvements	Water		\$ 50,000														50,000
Glover Reservoir Coating & Lining	Water	\$ 100,000															100,000
Big Wash Reservoir Coating	Water	\$ 100,000															100,000
Boosters																	
High Mesa E and F Zone Bstr. Enhancements	Water				\$ 50,000												50,000
Replace Crimson Canyon Booster Station	Water					\$ 250,000											250,000
Hydropneumatic (HP) Tank Replacement	Water		\$ 60,000	\$ 60,000	\$ 60,000												180,000
Booster Station Modifications	Water		\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000											200,000
Add Reclaim Bstr. Pump Thornydale (TW)	Water	\$ 200,000															200,000
Mains																	
W. Lambert Ln. 12" Main (DIS)	Water	\$ 600,000															600,000
Relocate 3 PRV'S OV Area	Water	\$ 100,000															100,000
System Connection Upgrades	Water	\$ 50,000															50,000
Rancho Verde Hydrants	Water		\$ 200,000														200,000
Main Valve Replacements	Water	\$ 50,000	\$ 50,000	\$ 50,000	\$ 50,000												200,000
La Cholla -Lambert to Tangerine (RTA)	Water	\$ 70,000	\$ 500,000														570,000
24 Inch Reclaim Main Tangerine (DIS) RTA	Water	\$ 1,500,000															1,500,000
Hilton Hotel & Casitas Main Repl.	Water			\$ 100,000	\$ 1,300,000	\$ 700,000											2,100,000
OV Community & Rec.Center Main Repl.	Water				\$ 600,000												600,000
Linda Vista Citrus Tracts Main Repl. (note 1)	Water					\$ 250,000	\$ 250,000	\$ 250,000									750,000
Pusch Ridge Estates Main Repl.	Water								\$ 500,000	\$ 500,000							1,000,000
Monte Del Oro Main Repl.	Water								\$ 600,000	\$ 600,000							1,200,000
Rancho Verde Main Repl.	Water										\$ 800,000	\$ 800,000					1,600,000
Rancho Felix Main Repl.	Water												\$ 800,000				800,000
Structures and Walls																	
Wall Upgrades and Improvements	Water			\$ 75,000					\$ 100,000				\$ 100,000			\$ 100,000	375,000
Production Facility Bldg. Retrofit	Water	\$ 80,000	\$ 100,000														180,000
Meters and Equipment																	
SCADA server and monitors	Water			\$ 50,000					\$ 50,000					\$ 50,000			150,000
SCADA Legacy Replacement	Water			\$ 100,000					\$ 100,000					\$ 100,000			300,000
Instrumentation Replacement	Water						\$ 250,000						\$ 250,000				500,000
Construction Equipment - Backhoe and Trailer	Water													\$ 140,000			140,000
Dump Truck	Water	\$ 80,000									\$ 110,000						190,000
TOTAL WATER UTILITY FUND		\$ 3,285,000	\$ 1,170,000	\$ 670,000	\$ 2,160,000	\$ 1,400,000	\$ 1,400,000	\$ 1,300,000	\$ 750,000	\$ 1,200,000	\$ 1,410,000	\$ 1,900,000	\$ 1,150,000	\$ 1,240,000	\$ -	\$ 900,000	\$ 19,935,000

CAPITAL IMPROVEMENT PROGRAM

Project Name	Department	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30	FY 30/31	TOTAL \$
ALTERNATIVE WATER RESOURCES DIF FUND																	
Central Arizona Project (CAP) Water Improvements																	
CAP La Cholla D-E Blending Booster Station	Water				\$ 700,000												700,000
CAP Wheeling Tucson Water Naranja 1000 AF/Yr	Water			\$ 400,000	\$ 400,000												800,000
24" pipe Naranja/ La Cholla/Tangerine	Water				\$ 1,600,000	\$ 1,200,000											2,800,000
Tucson Water Naranja Booster Station Upgrade	Water				\$ 1,200,000												1,200,000
E-C Pressure-Sustain Valve Naranja Res. CAP Blending	Water	\$ 100,000															100,000
Tucson Water Oasis Booster Station Upgrades	Water					\$ 100,000											100,000
Tucson Water 12" Pipe	Water				\$ 80,000	\$ 800,000											880,000
Tucson Water 16" Pipe Oasis Rd.	Water				\$ 100,000	\$ 1,000,000											1,100,000
Wheeling Tucson Water Naranja 500 AF/Year	Water						\$ 400,000	\$ 400,000									800,000
24" pipe La Cholla/Tangerine to La Cañada	Water							\$ 2,500,000									2,500,000
Steam Pump C-D Booster Station	Water					\$ 1,200,000											1,200,000
Big Wash D-E Booster Station	Water							\$ 800,000									800,000
Inlet/Outlet Modification at Allied Signal Reservoir	Water							\$ 50,000									50,000
5,000 AF/Year	Water									\$ 500,000							500,000
16" pipe 1st Ave Tangerine	Water									\$ 1,500,000	\$ 700,000						3,700,000
PRV Feed to E Zone Tangerine/La Cañada	Water										\$ 50,000						50,000
PRV Feed to E Zone Tangerine/1st. Ave	Water										\$ 50,000						50,000
E-F Booster Station La Canada Reservoir	Water										\$ 1,400,000						1,400,000
Lower Santa Cruz Recharge & Recovery (1,500 AFY)	Water									\$ 900,000							900,000
3-Recovery Wells & Delivery to WTP	Water										\$ 4,000,000	\$ 500,000					4,500,000
Water Treatment RR, Chlorination	Water									\$ 200,000	\$ 1,200,000	\$ 1,000,000					2,400,000
Delivery, Storage, A-C Booster, C-E Booster	Water									\$ 3,000,000	\$ 13,000,000	\$ 10,000,000	\$ 10,000,000				36,000,000
7 - Recovery Wells	Water										\$ 500,000	\$ 500,000	\$ 5,000,000				6,000,000
Water Treatment and RO	Water											\$ 1,000,000	\$ 5,000,000				6,000,000
Concentrate Management	Water											\$ 3,000,000	\$ 5,000,000	\$ 5,000,000			13,000,000
16" pipe Naranja/ La Cholla to Reservoir	Water											\$ 300,000	\$ 2,000,000				2,300,000
TOTAL ALT WATER RESOURCE DEV IMP FEE FUND		\$ 100,000	\$ -	\$ 400,000	\$ 4,080,000	\$ 3,100,000	\$ 1,600,000	\$ 3,750,000	\$ -	\$ -	\$ 6,100,000	\$ 21,700,000	\$ 17,000,000	\$ 27,000,000	\$ 5,000,000	\$ -	\$ 89,830,000
POTABLE WATER SYSTEM DIF FUND																	
Expansion Related Improvements																	
Property Acquisition C Zone Reservoir	Water				\$ 500,000												500,000
Booster Station C Zone	Water					\$ 150,000	\$ 300,000										450,000
1.0 MG Reservoir C Zone	Water					\$ 150,000	\$ 1,000,000	\$ 500,000									1,650,000
New 16" Main C Zone Connection	Water						\$ 150,000	\$ 1,500,000									1,650,000
Property Acquisition F Zone Reservoir (Oracle Rd)	Water									\$ 250,000							250,000
New 16" Main N. Oracle Rd. F Zone Connection	Water									\$ 300,000	\$ 3,000,000						3,300,000
1.0 MG F Zone Reservoir - N. Oracle Rd.	Water										\$ 250,000	\$ 1,500,000	\$ 1,000,000				2,750,000
N. Oracle Rd. H Zone Booster Station	Water										\$ 150,000	\$ 600,000					750,000
New 12" H Zone Main Sun City	Water										\$ 150,000	\$ 1,000,000	\$ 500,000				1,650,000
New 16" G Zone Main	Water											\$ 200,000	\$ 2,000,000				2,200,000
Property Acquisition Tortolita G Zone Reservoir	Water										\$ 250,000						250,000
Property Acquisition Chalk Creek H Zone Reservoir	Water											\$ 200,000					200,000
2.0 MG Reservoir Tortolita G Zone	Water											\$ 250,000	\$ 2,000,000				2,250,000
Booster Station G-H Zone Tortolita	Water											\$ 150,000	\$ 400,000				550,000
0.5 MG Reservoir H Zone Chalk Creek	Water											\$ 150,000	\$ 1,000,000				1,150,000
New 16" H Zone Main	Water											\$ 200,000	\$ 2,000,000				2,200,000
New 16" Chalk Creek H Zone Main	Water											\$ 100,000	\$ 1,000,000				1,200,000
TOTAL POTABLE WATER SYSTEM DIF FUND		\$ -	\$ -	\$ -	\$ 500,000	\$ 300,000	\$ 1,450,000	\$ 2,000,000	\$ -	\$ 250,000	\$ 300,000	\$ 3,900,000	\$ 4,350,000	\$ 9,900,000	\$ -	\$ -	\$ 22,950,000

CAPITAL IMPROVEMENT PROGRAM

Project Name	Department	FY 16/17	FY 17/18	FY 18/19	FY 19/20	FY 20/21	FY 21/22	FY 22/23	FY 23/24	FY 24/25	FY 25/26	FY 26/27	FY 27/28	FY 28/29	FY 29/30	FY 30/31	TOTAL \$
STORMWATER FUND																	
Side Cast Sweeper - Replacements	PW-Stormwater			\$ 85,000							\$ 85,000						170,000
Street Sweeper - Broom Bear - Replacement (2)	PW-Stormwater		\$ 240,000				\$ 240,000				\$ 240,000						720,000
4.5 Cubic Yard Wheel Loader - Lease Payment	PW-Stormwater	\$ 50,000	\$ 50,000														100,000
10 Wheel End Dump Truck - Replacement	PW-Stormwater				\$ 110,000												110,000
Neff Property Improvements - Wash Behind Fry's	PW-Stormwater		\$ 80,000														80,000
UNFUNDED - UNPROGRAMMED																	
Shadow Mountain Estate Wash Repair	PW-Stormwater		\$ 200,000														200,000
Naranja Drainage Improvement (East of Shannon Rd)	PW-Stormwater		\$ 340,000														340,000
Carmack Wash Drainage Improvements	PW-Stormwater			\$ 200,000													200,000
Moore Road Drainage Improvements	PW-Stormwater					\$ 160,000											160,000
Pistachio/Pomegrante Drainage Improvements	PW-Stormwater						\$ 30,000										30,000
Peglar Wash Drainage Improvements	PW-Stormwater								\$ 200,000								200,000
Lambert at Casas Entrance Drainage Improvements	PW-Stormwater				\$ 120,000												120,000
Shannon Road Drainage Improvements	PW-Stormwater												\$ 140,000				140,000
Drainage Improvement Project (Annexed Area)	PW-Stormwater													\$ 300,000			300,000
Low Water Crossings	PW-Stormwater		\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	\$ 100,000	1,400,000
TOTAL STORMWATER FUND		\$ 50,000	\$ 1,010,000	\$ 385,000	\$ 330,000	\$ 260,000	\$ 370,000	\$ 100,000	\$ 300,000	\$ 100,000	\$ 425,000	\$ 100,000	\$ 240,000	\$ 400,000	\$ 100,000	\$ 100,000	\$ 4,270,000
GRAND TOTAL ALL FUNDS		\$ 19,803,000	\$ 7,150,000	\$ 8,555,000	\$ 11,030,000	\$ 8,540,000	\$ 7,775,000	\$ 12,690,000	\$ 3,655,000	\$ 5,160,000	\$ 10,280,000	\$ 29,285,000	\$ 27,712,000	\$ 40,265,000	\$ 7,174,500	\$ 2,550,000	\$ 201,624,500



Town Council Regular Session

Item # 3.

Meeting Date: 04/06/2016

Requested by: Bayer Vella

Submitted By: Michael Spaeth, Development Infrastructure Services

Department: Development Infrastructure Services

Information

SUBJECT:

~~**PUBLIC HEARING: ORDINANCE NO. (O)16-04, REZONING AN APPROXIMATELY 141-ACRE PROPERTY LOCATED ON THE SOUTHEAST CORNER OF LA CHOLLA BOULEVARD AND LAMBERT LANE FROM R1-144 TO R1-43 AND USE OF MINIMUM LOT SIZE, BUILDING HEIGHT AND MODIFIED REVIEW PROCESS FLEXIBLE DESIGN OPTIONS (Removed from the agenda on 4/4/16 at 4:45 p.m. per the request of the applicant)~~

RECOMMENDATION:

The Planning and Zoning Commission recommends approval, not including use of the modified review process, subject to the conditions in Attachment 1.

EXECUTIVE SUMMARY:

The purpose of this request is to consider a request for rezoning from R1-144 to R1-43 for an approximately 141-acre property located on the southeast corner of Lambert Lane and La Cholla Boulevard. The Tentative Development Plan, included in Attachment 2, proposes:

- 91 single-family homes with a minimum lot size of 10,000 square feet
- Preservation of over 75% of the site as open space
- An approximate 425-foot setback along the eastern property line and a 150-foot setback along the southern property line
- Pedestrian and equestrian trails and trail heads throughout the site
- Two points of ingress/egress with access to Lambert Lane and La Cholla Boulevard
- Regional drainage improvements to address existing issues

The character of the La Cholla Corridor will be different in the future as a result of two key regional changes:

1. The widening of La Cholla Boulevard
2. Town Council approval of the La Cholla/Naranja General Plan Amendments to allow 778 future home sites and commercial developments

Though the roadway widening is anticipated to be completed in the summer of 2019,

many of the land use changes will not occur in the near future, but rather in five or 10 years. Any development proposals within the corridor need to account for these future land use and transportation changes.

Throughout the process, a number of issues have been discussed, with drainage being the foremost concern for neighbors. The applicant has developed a drainage concept that goes beyond standard code requirements and improves downstream drainage conditions. As part of the drainage concept, the applicant will be constructing a large regional detention basin for the Town. A condition (condition #7) requires dedication of the regional basin to the Town, which will allow for better control of regular maintenance - the most common concern regarding detention basins.

Prior to the Planning and Zoning Commission hearing, staff received a sufficient number of legal protest letters from several property owners to trigger requirement for a super-majority vote (6-1) of Town Council for approval. The proposed rezoning was considered by the Planning and Zoning Commission on February 2, 2016. The commission recommended approval of the applicant's request, not including use of the modified review process, subject to the conditions in Attachment 1.

BACKGROUND OR DETAILED INFORMATION:

Land Use Context

The Location Map, General Plan Land Use Map and Zoning Map for the property and the surrounding area are depicted in Attachments 3, 4 and 5, respectively.

Approvals to Date

- 2002: R1-144 zoning was established upon annexation of the property.

Regional Transportation and Land Use Changes

The character of the La Cholla Corridor will be different in the future as a result of several transportation and land use changes that (1) are anticipated to fundamentally impact the area over the next five or 10 years and (2) directly affect the appropriateness of the applicant's proposal. A discussion is provided below of the key changes.

La Cholla Boulevard

The Regional Transit Authority (RTA) is currently in the design phase to improve La Cholla Boulevard to four-lanes from Overton Road (south of the subject property) to Tangerine Road with an anticipated completion date of June 2019. The significance of the roadway expansion is summarized in the details provided below:

- The roadway is currently one of only two north-south roadways designated as major arterials in the 2005 General Plan, the other being Oracle Road. La Cholla Boulevard has always been considered the alternative north-south route as traffic congestion on Oracle Road continues to increase.
- The traffic volume on La Cholla Boulevard is expected to rise approximately 200%

by 2040 according to the RTA. The road will function not only as an alternative to Oracle Road, but as the primary roadway for many Oro Valley residents, surpassing even La Cañada Drive.

- La Cholla Boulevard will highly resemble La Cañada Drive with four-lanes separated by a landscaped median with pedestrian improvements.

Ultimately, the anticipated widening of La Cholla Boulevard is impacting land use patterns throughout the area. Typically, an intensification of land uses follows transportation changes such as the widening of a roadway as an increase in traffic volume supports the land use change. This pattern of development is recognized and encouraged in the General Plan.

La Cholla Corridor Land Use

In May 2015, Town Council approved a Major General Plan Amendment for an area encompassing approximately 190 acres northwest of the subject property (see Attachment 6). The scope of the Amendment included:

- Increased residential densities, a total of 778 units, for many of the properties adjacent to La Cholla Boulevard with lot sizes similar to those of the existing residential north of the subject property toward Tangerine Road, which are as small as 7,000 sq. ft. (see Attachment 7).
- Concentration of commercial near the Lambert Lane and La Cholla Boulevard intersection. Currently, two corners of the intersection (northeast and northwest) have neighborhood or regional commercial land use designations.

In summary, the widening of La Cholla Boulevard and the concentration of commercial near the intersection supports an increase in density for the subject property based on the anticipated land use changes. As envisioned in the General Plan, the applicant's proposed Tentative Development Plan (TDP) represents an increase in residential density that will make more efficient use of the planned infrastructure expansion and help support the future commercial.

DISCUSSION/ANALYSIS:

The applicant proposes to rezone approximately 141 acres from R1-144 to R1-43 to develop a 91-lot residential subdivision. The TDP includes:

- 91 single-family homes with a minimum lot size of 10,000 square feet. Many of the most visible homes to neighbors have been restricted to single-story to reduce any potential visual impacts
- Preservation of over 75% of the site as open space
- An approximate 425-foot setback along the eastern property line and a 150-foot setback along the southern property line
- Pedestrian and equestrian trails and trailheads throughout the site
- Two points of ingress/egress providing access to both Lambert Lane and La Cholla Boulevard
- Regional drainage improvements designed to reduce current flood concerns in the area

Rezoning applications are reviewed for conformance with the General Plan, including the Land Use Map, and the Vision, Goals and Policies and the Town of Oro Valley Zoning Code.

General Plan Conformance Analysis

The applicant's request has been reviewed for conformance with the General Plan Land Use Map, Vision, Goals and Policies.

The subject property is designated as Low Density Residential (0.4 – 1.2 homes per acre) on the General Plan Future Land Use Map. As detailed above, the applicant is proposing 91 lots on approximately 141 acres, representing a density of approximately 0.64 homes per acre. The proposed TDP is consistent with the General Plan Land Use Map.

The applicant's proposal is consistent with the Vision and Goals and Policies of the General Plan, specifically those related to:

- Environment
- Community Design
- Transportation
- Infrastructure

A detailed analysis relative to General Plan conformance of each is provided in Attachment 8. The plans conformance with two of the more prominent General Plan policies are discussed below:

Policy 1.1.1 *The Town shall promote clustering of development to protect environmentally sensitive areas and to preserve significant, passive use, natural open space within residential neighborhoods.*

The applicant's TDP proposes preservation of 75% of the property's natural open space. The subdivision design serves as a true example of a cluster subdivision protecting the environmentally sensitive areas. The applicant's proposal meets this General Plan Policy.

Policy 1.2.1 *The Town shall maintain a harmonious relationship between urban development and development of the transportation network.*

The planned expansion of La Cholla Boulevard to a four lane desert parkway represents a significant public investment in infrastructure to serve this area. The proposed increase in planned intensity, as envisioned in the General Plan, will promote the efficient use of this expanded infrastructure and represents a complimentary development.

Zoning Code Analysis

The application has also been reviewed for conformance with the Town of Oro Valley Zoning Code and the specific development standards of the R1-43 zoning district. In summary, the applicant's proposal is consistent with the proposed zoning district and a

detailed analysis of the applications conformance is provided in Attachment 9. A discussion of several key Zoning Code issues is provided below.

Environmentally Sensitive Lands

Rezoning applications are required to comply with the requirements of the Environmentally Sensitive Lands (ESL) section of the Zoning Code. One of the primary objectives of the ESL requirements is the preservation of Environmentally Sensitive Open Space (ESOS) and other natural corridors. The subject property is characterized by several unique environmental constraints that limit the developable area, including:

- Significant hillsides and slopes. Approximately 29% of the site has regulated slopes in excess of 15% (see Exhibit E-2 in Attachment 2)
- Three washes, each designated as mapped FEMA floodplains (see Exhibit G in Attachment 2)

As a result of the environmental constraints of the site, the applicant's proposal uses a conservation subdivision design to protect environmental resources. The proposed subdivision represents a true conservation subdivision design by clustering the proposed homes away from neighboring properties and preserving approximately 75% of the site as contiguous ESOS. The amount of preserved open space is substantially more than the minimum required amount of ESOS as required in Table 27.10-2 (see Exhibit S in Attachment 2).

The applicant has proposed a revised drainage concept that goes beyond code requirements. The drainage concept includes additional detention to improve downstream drainage conditions. The concept incorporates several detention basins including a regional drainage basin the applicant will be building for the Town that is centrally located adjacent to the Lomas de Oro wash. Several conditions have been added to Attachment 1 requiring landscaping in and around all of the proposed detention basins throughout the property. Furthermore, the basins will be required to be constructed of permeable materials. Both requirements seek to ensure the basins blend into the landscape and are recognized as ESOS.

A condition has been added to Attachment 1 requiring the proposed roadway crossing over the Lomas de Oro wash to be constructed as a wildlife permeable bridge to maintain the integrity of the Critical Resource Area. With the condition, the applicant's proposed rezoning will be in conformance with the ESL standards.

A detailed analysis of the applications conformance with the ESL requirements is provided in Attachment 10.

Flexible Design Options

The ESL section of the Zoning Code enables the use of incentives, or flexible design options, for conservation subdivision designs. Flexible Design Options are available to development when ESOS is applied to 25% or more of the property. As discussed previously, the applicant's proposal provides approximately 75% ESOS. To achieve this

level of open space preservation, the applicant is proposing to use the following Flexible Design Options which requires Town Council approval:

- Minimum Lot Size: 43,560 square feet to 10,000 square feet
- Building Heights: 18 to 20 feet for 1-story and 28 feet for 2-story
- Modified Review Process: Ability to proceed directly to the Final Site Plan review process due to the extensive review of the rezoning TDP

The applicant has also requested the use of additional Flexible Design Options intended to conserve additional open space, which have been approved administratively, as enabled by the Zoning Code, and include the following:

- Internal building setbacks: Front - from 30 feet to 10 feet; Side - from 20 feet to 5 feet; Rear - from 40 feet to 20 feet
- Native Vegetation Preservation: Exempts the applicant from Native Plant Preservation requirements when preserving more than 50% of the site as Environmentally Sensitive Open Space
- Recreation Area: Allows permissible passive or active recreational amenities located within ESOS to be credited toward recreational area requirements

A further discussion and analysis of the applicant's requested flexible design options is provided in Attachment 11.

Engineering

Drainage:

Generally, rezoning requests require a drainage concept that does not increase the amount of drainage runoff impacts. In this case, the applicant has gone above these standard code requirements and developed a drainage concept that provides additional detention that improves the downstream drainage condition by decreasing the flow affecting neighbors to the south of the project.

Three natural washes affect the subject property, flowing in a southerly direction through the development. All three washes have a FEMA Special Flood Hazard Area designation of "Zone A." A detailed drainage analysis was prepared by the applicant to determine existing 100-year stormwater runoff values flowing through each wash, at points entering and exiting the project boundaries.

The drainage system for the project shall be designed to ensure, among other requirements, that all proposed habitable structures adjacent to a wash will be protected from flooding and erosion. The increase of runoff resulting from constructed impervious surfaces will be mitigated by use of detention basins which discharge into the existing watercourses. The detention basins will capture, hold, and release stormwater in a controlled manner to mimic existing conditions.

A significant component of the applicant's drainage concept will be the construction of a new regional detention basin located immediately adjacent to the Loma de Oro wash which will reduce existing peak flows by approximately 10%. A condition (condition #7) has been included in Attachment 1 requiring the applicant to dedicate the basin to the

Town upon completion. The foremost advantage of Town control of the basin is ensuring regular maintenance is conducted so the basin continues to function properly. All drainage basins, but specifically those designed on a regional scale, require regular maintenance to minimize the build-up of sediment that can reduce the effectiveness of the basin. Considering the regional impact of this basin, it is advantageous for the Town to have control over maintenance.

Additionally, the applicant has also proposed to control runoff exiting along the southeastern property line to contain the existing runoff that currently impacts downstream residences.

Finally, drainage exiting the southwestern property line will have a reduction in run-off as a result of additional improvements within the development. A local floodplain that impacts downstream residences near the southwestern property line will be detained onsite as part of the development.

Town staff supports the proposed drainage concept as it provides a benefit to downstream neighbors by alleviating existing flood conditions.

Traffic:

Though drainage has been the foremost concern for neighbors, several traffic concerns must be addressed as well. A summary of the key traffic issues is provided below:

- An access point is proposed to connect to La Cholla Boulevard. There are existing sight visibility safety issues related to this location which will be mitigated by the future La Cholla Boulevard widening project. However, if this development moves forward prior to the La Cholla Boulevard widening project, the applicant will be required to construct a controlled access intersection (e.g. right-in/out only) or make other improvements to provide sufficient sight visibility for motorists.
- An second access point is proposed to connect to Lambert Lane. Both access points will require off-site left turn-lane improvements to serve the new development.
- This development will generate an amount of traffic that is similar to other subdivisions located north along La Cholla Boulevard. The existing roadway network has existing capacity to accommodate the small increase in traffic volume, especially once the La Cholla widening project has been completed.

Public Participation

The public participation process has been extensive and productive. Five neighborhood meetings (3 traditional, 1 open house, 1 site visit) have been held concerning the applicant's proposal. Neighborhood meeting summaries have been provided as Attachment 12.

In addition to neighborhood meetings, the applicant and staff have met with concerned neighbors on several occasions. Through the process, the applicant and some of the neighbors have been able to forge consensus on numerous key issues (see Attachment 13).

As discussed previously, the primary concern for neighbors has been the existing drainage issues; and the applicant has proposed a revised drainage concept that goes beyond standard code requirements and improves downstream drainage conditions. Staff and the applicant will be meeting with a group of concerned neighbors prior to the Town Council hearing to present the applicant's revised design. A summary of the meeting will be provided during the public hearing.

Staff has received additional correspondence (see Attachment 14) and several letters of formal protest (see Attachment 15) concerning the applicant's proposed rezoning. In accordance with State Law and the Zoning Code, a sufficient number of formal letters of protest have been received that will require a super-majority vote (6-1) of Town Council for approval.

A detailed discussion of the primary issues throughout the process and how the applicant has addressed them is provided in the Planning and Zoning Commission staff report (see Attachment 16).

Planning and Zoning Commission action

On February 2, 2016, the Planning and Zoning Commission recommended approval of the proposed rezoning, subject to the conditions listed in Attachment 1, not including use of the modified review process.

Drainage was the primary focus for many concerned neighbors who spoke during the meeting. The recommendation not to use the Modified Review Process was based on a number of outstanding questions regarding the drainage concept. The Planning and Zoning Commission staff report and meeting minutes are provided in Attachments 16 and 17, respectively.

As discussed previously, the applicant has revised the plan to incorporate a drainage concept that goes beyond standard code requirements to improve downstream drainage conditions.

FISCAL IMPACT:

Maintenance of the regional drainage basin is anticipated to cost approximately \$2,000 annually.

SUGGESTED MOTION:

I MOVE to adopt Ordinance No. (O)16-04, approving the proposed rezoning and use of the minimum lot size and building height flexible design options, subject to the conditions included in Attachment 1, finding the request is consistent with the General Plan.

OR

I MOVE to deny Ordinance No. (O)16-04, approving the proposed rezoning, based on a finding that _____.

Attachments

ATTACHMENT 1 - (O)16-04 REZONING SE CORNER OF LAMBERT & LA CHOLLA

ATTACHMENT 2 - SITE ANALYSIS + TDP

ATTACHMENT 3 - LOCATION MAP

ATTACHMENT 4 - GENERAL PLAN LAND USE MAP

ATTACHMENT 5 - ZONING MAP

ATTACHMENT 6 - LA CHOLLA COMMONS CONCEPT PLAN

ATTACHMENT 7 - LA CHOLLA AREA LOT SIZES

ATTACHMENT 8 - GENERAL PLAN CONFORMANCE ANALYSIS

ATTACHMENT 9 - ZONING ANALYSIS

ATTACHMENT 10 - ESL ANALYSIS

ATTACHMENT 11 - FLEXIBLE DESIGN OPTIONS ANALYSIS

ATTACHMENT 12 - NEIGHBORHOOD MEETING SUMMARIES

ATTACHMENT 13 - REVISED NEIGHBORHOOD TABLE

ATTACHMENT 14 - ADDITIONAL CORRESPONDENCE

ATTACHMENT 15 - FORMAL LETTERS OF PROTEST

ATTACHMENT 16 - PZC STAFF REPORT

ATTACHMENT 17 - PZC MEETING MINUTES

ORDINANCE NO. (O)16-04

AN ORDINANCE OF THE TOWN OF ORO VALLEY, ARIZONA, APPROVING A REZONING REQUEST BY THE WLB GROUP, INC, FOR A 141 ACRE PROPERTY LOCATED ON THE SOUTHEAST CORNER OF LAMBERT LANE AND LA CHOLLA BOULEVARD TO BE REZONED FROM R1-144 TO R1-43 AND USE OF THE MINIMUM LOT SIZE, BUILDING HEIGHT AND MODIFIED REVIEW PROCESS FLEXIBLE DESIGN OPTIONS

WHEREAS, the WLB Group, Inc., (the “Applicant”), applied for a rezoning from R1-144 to R1-43 for a property located near the southeast corner of Lambert Lane and La Cholla Boulevard, see map of property as depicted on Exhibit “A” attached hereto; and

WHEREAS, the gross site of the proposed rezoning is 141 acres; and

WHEREAS, the current zoning of R1-144 allows one lot per 144,000 square feet; and

WHEREAS, the Applicant wishes to change the zoning to R1-43 to develop 91 single-family homes with a minimum lot size of 10,000 square feet; and

WHEREAS, the Application also requests three flexible design options enabled by the Environmentally Sensitive Lands regulations: 1) minimum lot size of 10,000 square feet 2) increased building heights from 18 feet to 20 feet, and 3) modified review process; and

WHEREAS, the Applicant’s request for rezoning complies with the OVZCR; and

WHEREAS, the Applicant's request for rezoning complies with the applicable General Plan requirements; and

WHEREAS, on February 2, 2016, the Planning & Zoning Commission recommended approval subject to conditions for rezoning the property from R1-144 to R1-43 and three flexible design options with conditions; and

WHEREAS, the Town Council has duly considered the Applicant’s request for rezoning of for a 141 acre property located on the southeast corner of Lambert Lane and La Cholla Blvd.

NOW, THEREFORE BE IT ORDAINED by the Mayor and Council of the Town of Oro Valley, Arizona that the rezoning requested by Paul Oland of WLB Group, Inc., (the “Applicant”), applied for a rezoning and requested flexible design options for the property located near the southeast corner of Lambert Lane and La Cholla Blvd is hereby approved with the conditions attached hereto as Exhibit “B”.

NOW THEREFORE BE IT FURTHER ORDAINED that:

1. All Oro Valley ordinances, resolutions or motions and parts of ordinances, resolutions or motions of the Council in conflict with the provision of this Ordinance are hereby repealed.
2. If any section, subsection, sentence, clause, phrase or portion of this Ordinance is for any reason held to be invalid or unconstitutional by the decision of any court of competent jurisdiction, such decision shall not affect the validity of the remaining portions thereof.

PASSED AND ADOPTED by the Mayor and Council of the Town of Oro Valley, Arizona on this 6th day of April, 2016.

TOWN OF ORO VALLEY

Dr. Satish I. Hiremath, Mayor

APPROVED AS TO FORM:

ATTEST:

Julie K. Bower, Town Clerk

Tobin Sidles, Legal Services Director

Date: _____

Date: _____

EXHIBIT "A"

MAP OF PROPERTY

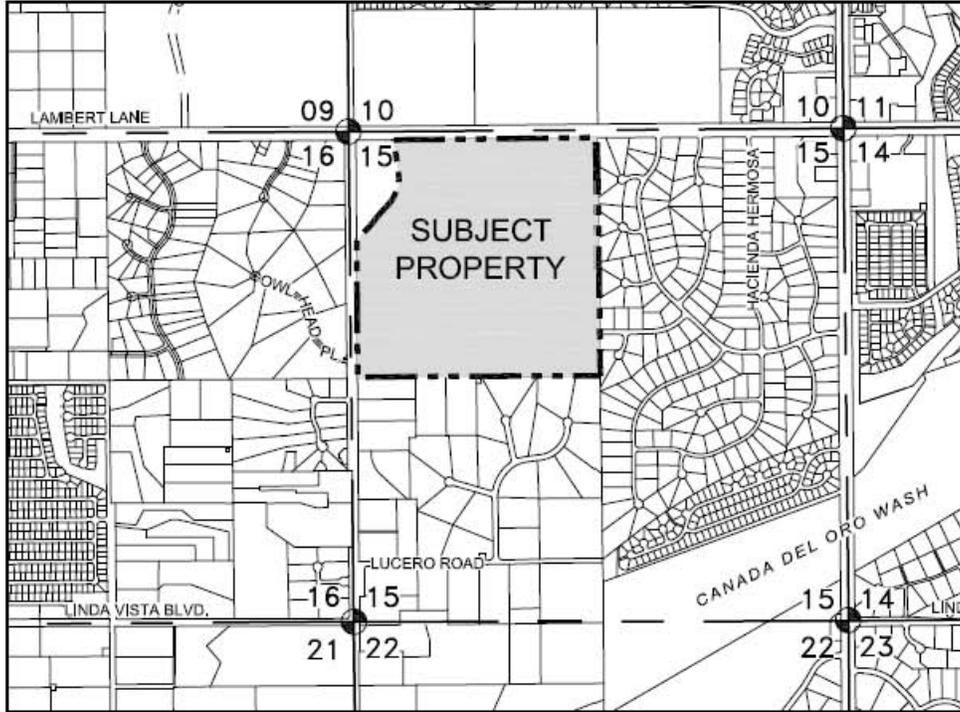


EXHIBIT “B”

CONDITIONS OF APPROVAL

Planning

1. The roadway crossing over the Lomas de Oro wash shall be designed to be a wildlife permeable bridge that does not impede wildlife movement within the wash.
2. Revise to all references to the 5 foot side yard setback to read 7.5 feet.
3. All Notes shown on the Tentative Development Plan shall be conditions of the rezoning.
4. All proposed drainage basins to be landscaped to reduce the visibility of the disturbed areas.
5. The off-line drainage basin adjacent to the Critical Resource Area, must be thoroughly landscaped around the perimeter and internally, to reduce the visibility of the disturbed area.

Engineering

6. In accordance with Section 11.3.11 of the Town of Oro Valley Drainage Criteria Manual, the applicant shall reduce the post-development outflow of drainage from the Lomas de Oro and Canyon Shadows Washes, or provide other means as approved by the Town Engineer, to improve the existing drainage within the downstream area. The reduction shall be to an amount that has the effect of making existing residential structures located on immediately adjacent downstream properties, as shown on the Tentative Development Plan, eligible to be removed from the floodplain.
 - a. The regional on-site detention depicted on the Tentative Development Plan and discussed in the Site Analysis shall be designed and constructed so that the existing 100-year Lomas de Oro Wash peak flow is reduced by 10% where it exits the project's southern boundary. Furthermore, the basin shall be dedicated by the developer to the Town of Oro Valley upon successful inspection and acceptance by the Town Engineer and prior to the release of building permits.
 - b. If the applicant is unable to construct the proposed off-site improvements depicted on the Tentative Development Plan and discussed in the Site Analysis, an on-site solution must be established and approved by the Town Engineer.

7. All critical drainage elements designed to protect downstream property owners must be in place by the onset of grading activities, as approved by the Town Engineer. The basins are to be in place and functional at the beginning of project construction to capture runoff and improve downstream conditions.
8. The applicant shall dedicate 55' of new right-of-way along the property's La Cholla Boulevard frontage.
9. The applicant shall provide a 30' easement along a portion of the new La Cholla Boulevard right-of-way for drainage improvements.
10. The applicant shall construct a controlled access intersection (e.g. right-in/out) or make other necessary improvements for safe sight visibility at the La Cholla access drive location as approved by the Town Engineer if this project is constructed prior to the La Cholla Boulevard widening project.
11. The applicant shall construct a multi-use path the length of the property's frontage along the south side of Lambert Lane.

OV914-009

LAMBERT AND LA CHOLLA,
SOUTHEAST CORNER

REZONING SITE ANALYSIS

FOURTH SUBMITTAL 1.14.2016
REVISED 3.23.2016

Property Owner

Future Arizona Inc.
Contact: Peter Fasseas
1555 N Astor Street
Chicago, Illinois 60610

Prepared By

The WLB Group, Inc.
Contact: Paul Oland
4444 East Broadway Boulevard
Tucson, Arizona 85711
520.881.7480

WLB No. 114012-A-001

The
WLB
Group **WLB**

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- Preliminary Traffic Impact Analysis by Southwest Traffic Engineering
- Cultural Resources Survey by Tierra Right-of-Way Services

PART I – INVENTORY AND ANALYSIS

INTRODUCTION

The property owner proposes to entitle a 142± acre parcel at the southeast corner of Lambert Lane and La Cholla Boulevard, to allow for the development of approximately 91 single-family residential homes. The proposed development will be constructed in accordance with the provisions outlined in the Environmentally Sensitive Lands Ordinance (ESLO), and the Conservation Subdivision Design element. Proposed lot sizes will range from 10,000 square feet to half an acre, with open space buffers located near adjacent lower density residential areas. Over 75% of the site is proposed as undisturbed or improved open space.

I-A. Existing Land Uses

1. Site Location

The subject property consists of approximately 142± acres located near the southeast corner of La Cholla Boulevard and Lambert Lane. It is bounded by La Cholla Boulevard and Canada Hills Wash to the west, the Rancho Feliz subdivision to the east, Lambert Lane to the north, and the Lomas de Oro subdivision and unplanned development to the south. The Pima County Assessor designates the subject property as tax parcel 224-39-0020 in Township 12 South, Range 13 East, Section 15, Town of Oro Valley, Pima County, Arizona

Refer to *Exhibit A* for a location map of the subject property and to *Exhibit B* for an aerial photograph of the subject property.

2. Existing Land Uses – Onsite

The subject property is currently undeveloped and vacant.

The subject property is currently zoned R1-144 (Single-Family Residential District). Please refer to *Exhibit C: Existing Zoning*. The Town of Oro Valley General Plan designates the subject property as Low Density Residential (LDR-1).

3. Existing Adjacent Zoning and Land Uses

a/b. Please refer to *Exhibit C: Existing Land Uses* and *Exhibit D: Existing Zoning*. The subject property is surrounded by the following existing zonings, general plan designations and land uses:

General Plan, Zoning and Land Use			
	Existing General Plan	Existing Zoning	Existing Land Use
Subject Property	LDR-1 (Low Density Residential)	R1-144 (Single Family Residential)	Vacant
North	LDR-2 (Low Density Residential) NCO (Neighborhood Commercial/ Office)	C-2 (Commercial) R-6, Multi-family residential) R1-10 (Single-family residential)	Vacant
Northeast	Park	R1-144 (Single Family Residential)	West Lambert Ln. Park
East	LDR-1 (Low Density Residential)	R1-36 (single-family residential)	Rancho Feliz subdivision
Southeast	LDR-1 (Low Density Residential)	R1-36 (single-family residential)	Rancho Feliz subdivision
South	RLDR (Rural Low Density Residential)	R1-144 (Single Family Residential)	Lomas de Oro subdivision Un-subdivided residential lots
Southwest	RLDR (Rural Low Density Residential)	CR-1 (Pima County, Single Residence Zone)	Tecolote de Oro subdivision
West	LDR-2 (Low Density Residential)	R1-20 (Single-family residential)	Chaparral Heights
Northwest	NCO (Neighborhood Commercial/ Office)	R1-144 (Single Family Residential)	Vacant

c. Surrounding Building Heights

The majority of structures within a quarter-mile of the subject property are single-story, with the remaining minority of structures not exceeding two-stories.

d/e. Surrounding Rezonings

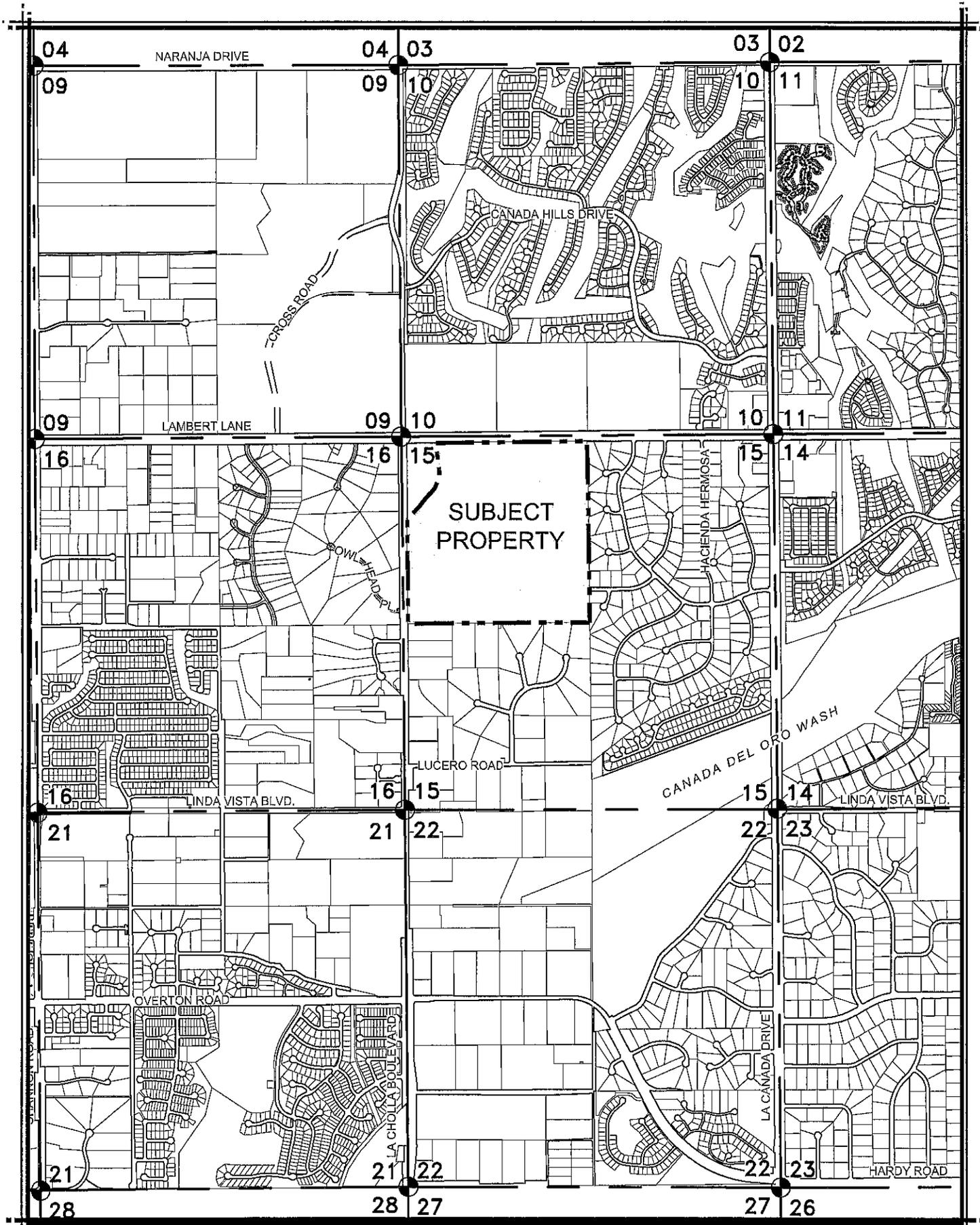
There are no pending or conditionally approved rezoning within one-quarter mile of the subject property. A major General Plan amendment was recently approved for the property to the northwest of the site.

f. There are no known pending subdivision and/or development plans within one-quarter mile of the subject property.

g. The architecture of existing homes in the area is mostly Contemporary or Mediterranean style.

4. Location and ownership of wells/well sites within 100 feet of site.

According to the Arizona Department of Water Resources, there are no wells located on or within 100 feet of the project site. The closest wells are located in excess of 800 feet to the west and 900 feet to the south.





LA CHOIEA BOULEVARD

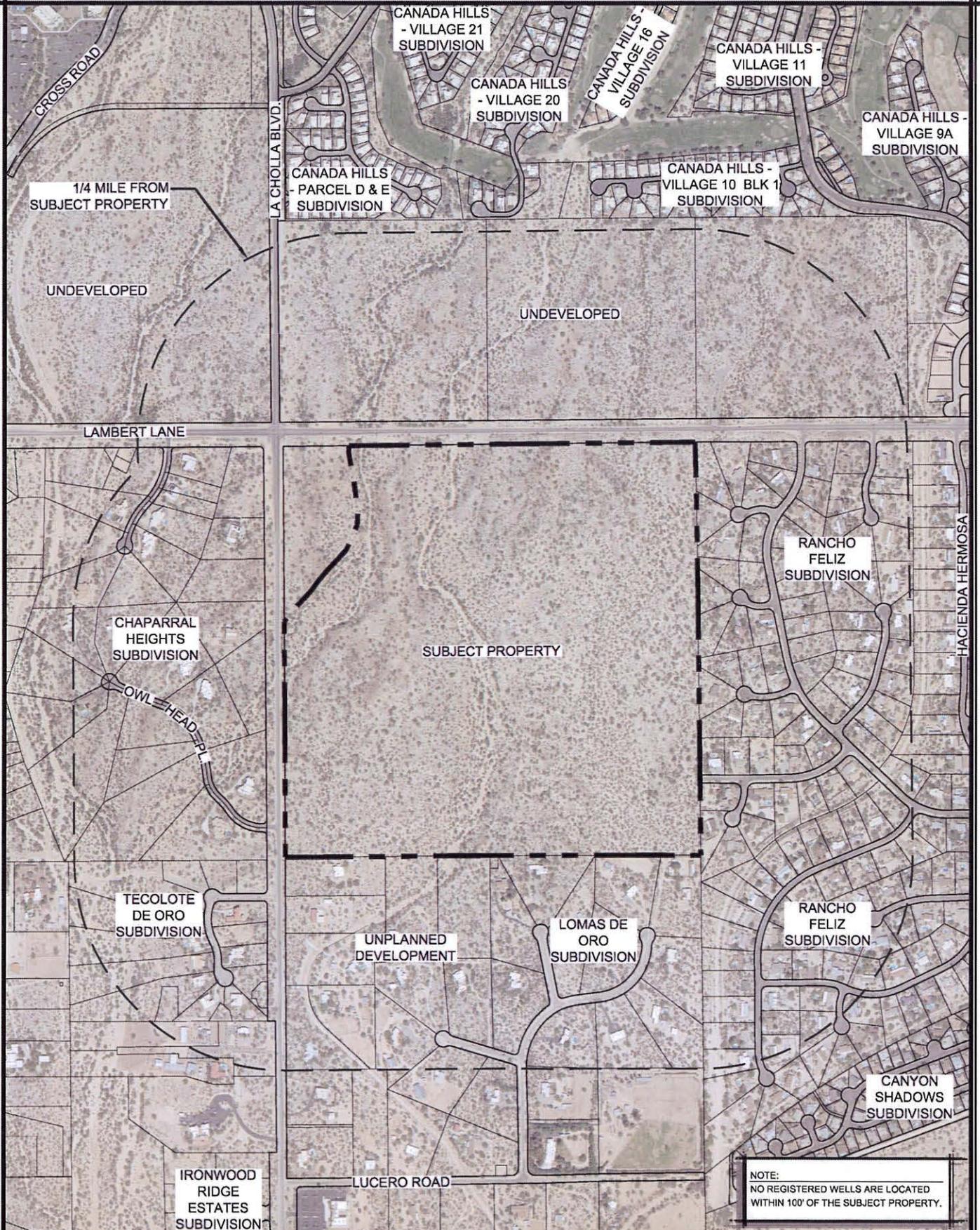
LAMBERT LANE

The WLB Group **WLB**

**EXHIBIT B
AERIAL PHOTOGRAPH**

2015.03.02
WLB No. 114012-A-001





1/4 MILE FROM
SUBJECT PROPERTY

UNDEVELOPED

UNDEVELOPED

LAMBERT LANE

CHAPARRAL
HEIGHTS
SUBDIVISION

TECOLOTE
DE ORO
SUBDIVISION

IRONWOOD
RIDGE
ESTATES
SUBDIVISION

CANADA HILLS
- VILLAGE 21
SUBDIVISION

CANADA HILLS
- VILLAGE 20
SUBDIVISION

CANADA HILLS
- PARCEL D & E
SUBDIVISION

CANADA HILLS -
VILLAGE 16
SUBDIVISION

CANADA HILLS -
VILLAGE 11
SUBDIVISION

CANADA HILLS -
VILLAGE 9A
SUBDIVISION

CANADA HILLS -
VILLAGE 10 BLK 1
SUBDIVISION

SUBJECT PROPERTY

RANCHO
FELIZ
SUBDIVISION

UNPLANNED
DEVELOPMENT

LOMAS DE
ORO
SUBDIVISION

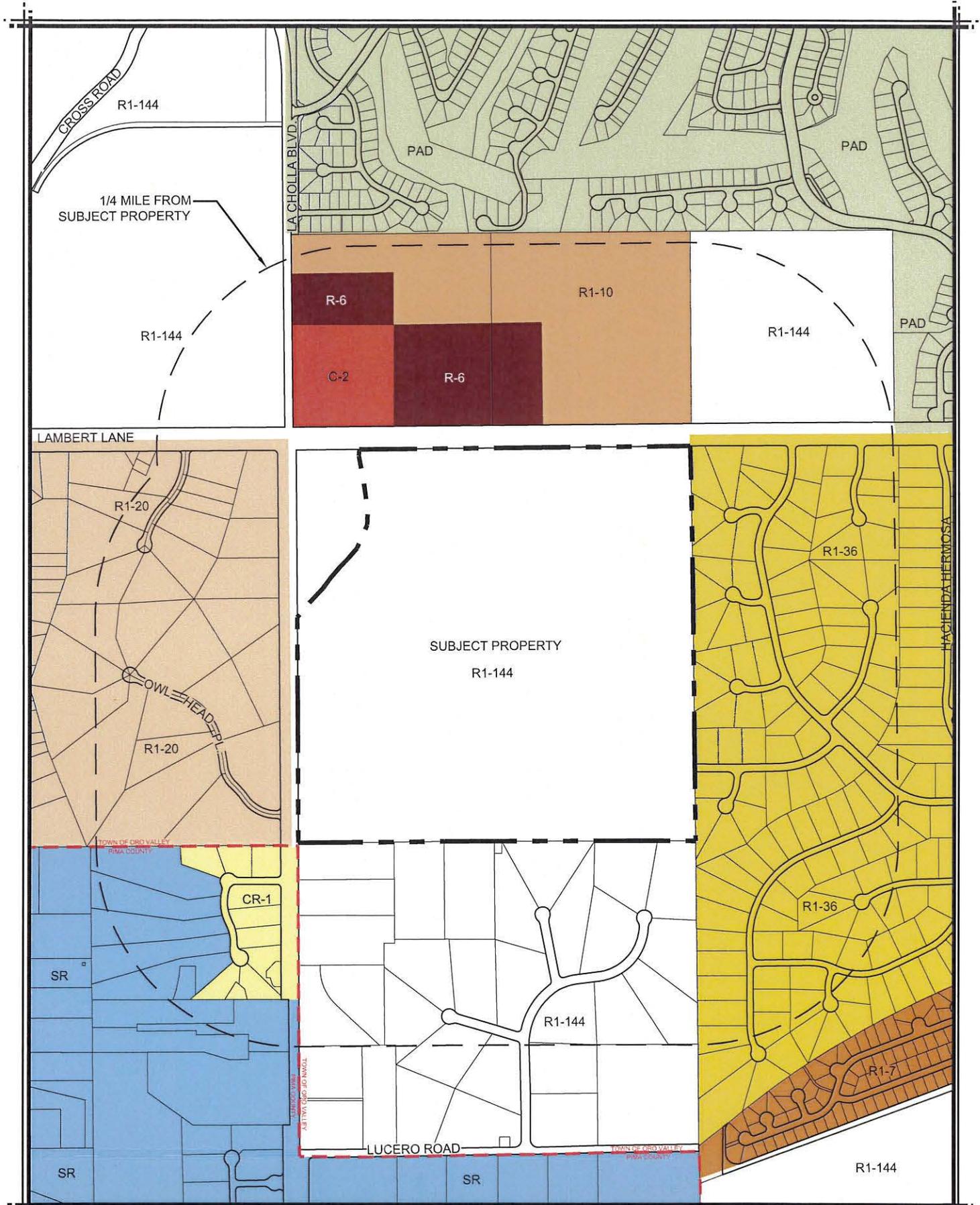
RANCHO
FELIZ
SUBDIVISION

CANYON
SHADOWS
SUBDIVISION

LUCERO ROAD

HACIENDA HERMOSA

NOTE:
NO REGISTERED WELLS ARE LOCATED
WITHIN 100' OF THE SUBJECT PROPERTY.



I-B. Topography

1. The topography of the subject property is characterized by rolling hills and braided washes. The subject property generally slopes downward, north to south, toward the Cañada del Oro Wash, located approximately one half mile south of the subject property. Refer to *Exhibit E-1: Topography* for a map of site topography.

Slopes less than 15% characterize the vast majority of the subject property. Elevations range from approximately 2,625 feet at its highest point in the north central portion of the subject property, to 2,475 feet at its lowest point on the southeast side of the subject property. Three washes traverse the site, creating low ridgelines. The limited number of areas of slope greater than 15% primarily exist along ridges between the washes. The site does not contain any restricted peaks/ridges, or rock outcrops. Refer to *Exhibit E-2: ESLO Slope Analysis* for a map of slopes on-site.

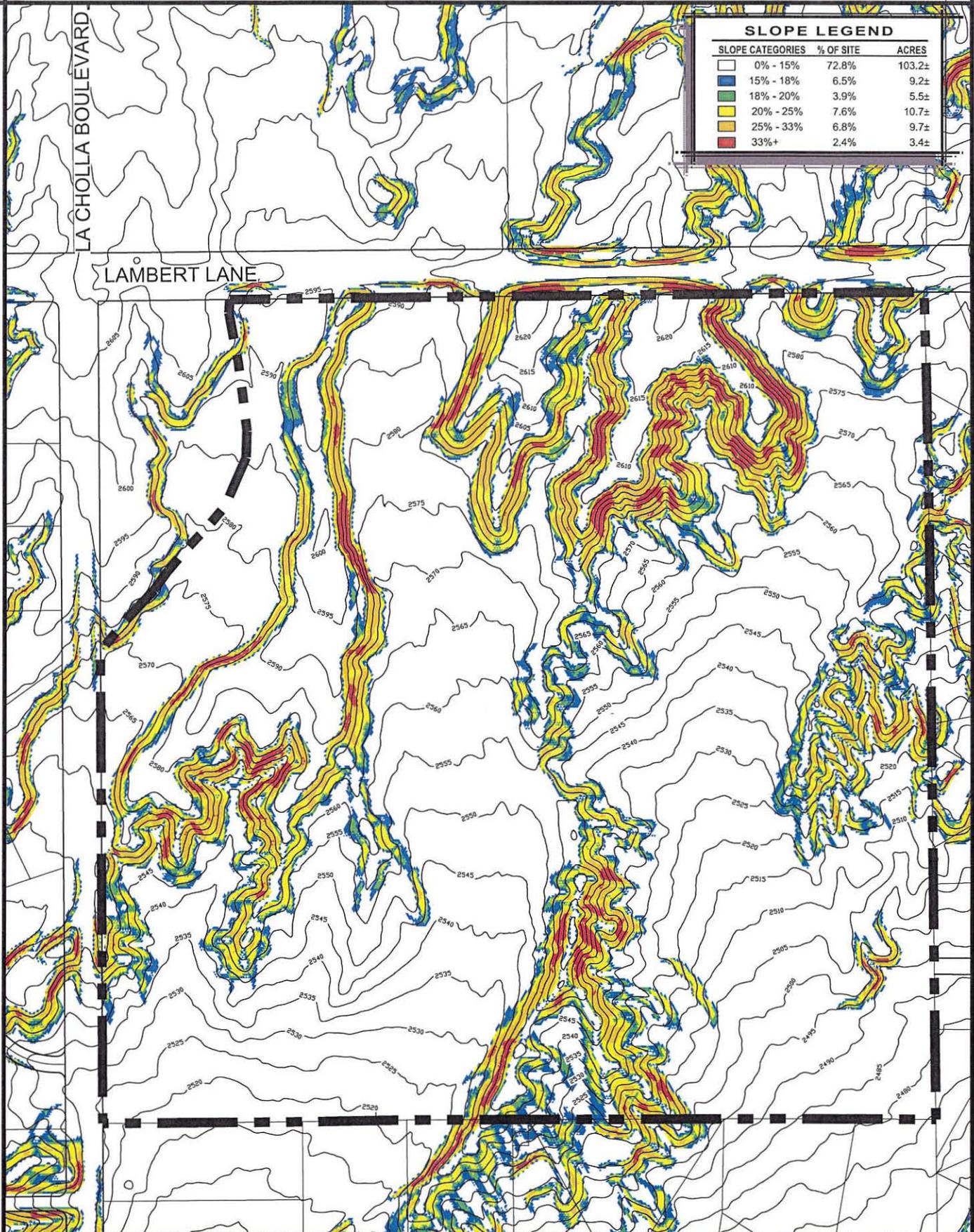
2. **Slope Area Analysis**

The property was analyzed using the Hillside Area Category requirements in Section G of the Town's Environmentally Sensitive Lands Ordinance (ESLO). The slope categories used for this analysis coincide with the values provided in the Slope Density and Disturbance Limits table (Table 27.10-4 in the ESLO). The results of the slope analysis are below:

Slope Categories (per ESLO)	% of Site	Area (Ac.)	% of Allowed Disturbance Per ESLO Table 27.10-4	Allowable Disturbance Area (Ac.)
0% to 15%	72.8%	103.2±	100%	103.2±
15% to ≥18%	6.5%	9.2±	40%	3.7±
18% to ≥20%	3.9%	5.5±	30%	1.7±
20% to ≥25%	7.6%	10.7±	20%	2.1±
25% to ≥33%	6.8%	9.7±	5%	0.5±
33%+	2.4%	3.4±	4%	0.1±
		141.7±	Total Allowable Disturbance*	111.3±

*To determine the total allowable disturbance area of the subject property based only on slopes, the area of each slope category was multiplied by the respective percentage of allowable disturbance using the values listed in Slope Density and Disturbance Limits Table of the ESLO (Table 27.10-4). The sum of each of the slope categories' allowable disturbance areas results in the total allowable site disturbance area of approximately 111.3± acres (based only on regulated slopes and not additional development constraints on-site).





I-C. Hydrology

1. Description and map (aerial photograph) of the perimeter of all off-site watersheds effecting, or affected by, the site, upstream and downstream.

Please refer to *Exhibit F: Off-site Hydrology*.

- a. Notation of all balanced and critical basins.

The entire Town is classified as a critical basin.

2. Description of significant off-site features, natural or man-made, with above watersheds effected by, or affecting, the site.

There are several culverts which convey water under Lambert Lane and into the site's three washes: the Canada Hills Wash, the Lomas de Oro Wash, and the Canyon Shadows Wash. There are no man-made features onsite nor are there constructed facilities to convey water exiting the site.

3. Acreage of upstream off-site watersheds

Preliminary hydrologic analysis suggests that there are three upstream offsite watersheds, which deliver a 100-year discharge to the subject property that are greater than 100 cfs. Please refer to the preliminary drainage analysis and exhibits prepared by JE Fuller Hydrology & Geomorphology, which is attached as an appendix to this site analysis.

4. Description of characteristics of onsite hydrology.

Please refer to *Exhibit G: On-site Hydrology*.

- a. Approximate 100-year floodplains with discharges greater than, or equal to 50 c.f.s.

Please refer to *Exhibit G: On-Site hydrology* for an illustration of the estimated 100-year floodplain limits with a discharge greater than 50 cfs.

- b. Areas of sheet flooding and average depths.

There is no sheet flooding onsite.

- c. Federally mapped floodways and floodplains.

Per the FEMA Flood Insurance Rate Map (FIRM), Panel 04019C1070L, Revised June 16, 2011, the site is designated as Zone 'A' in and around the three significant washes, and Zone 'X' throughout the remainder of the site.

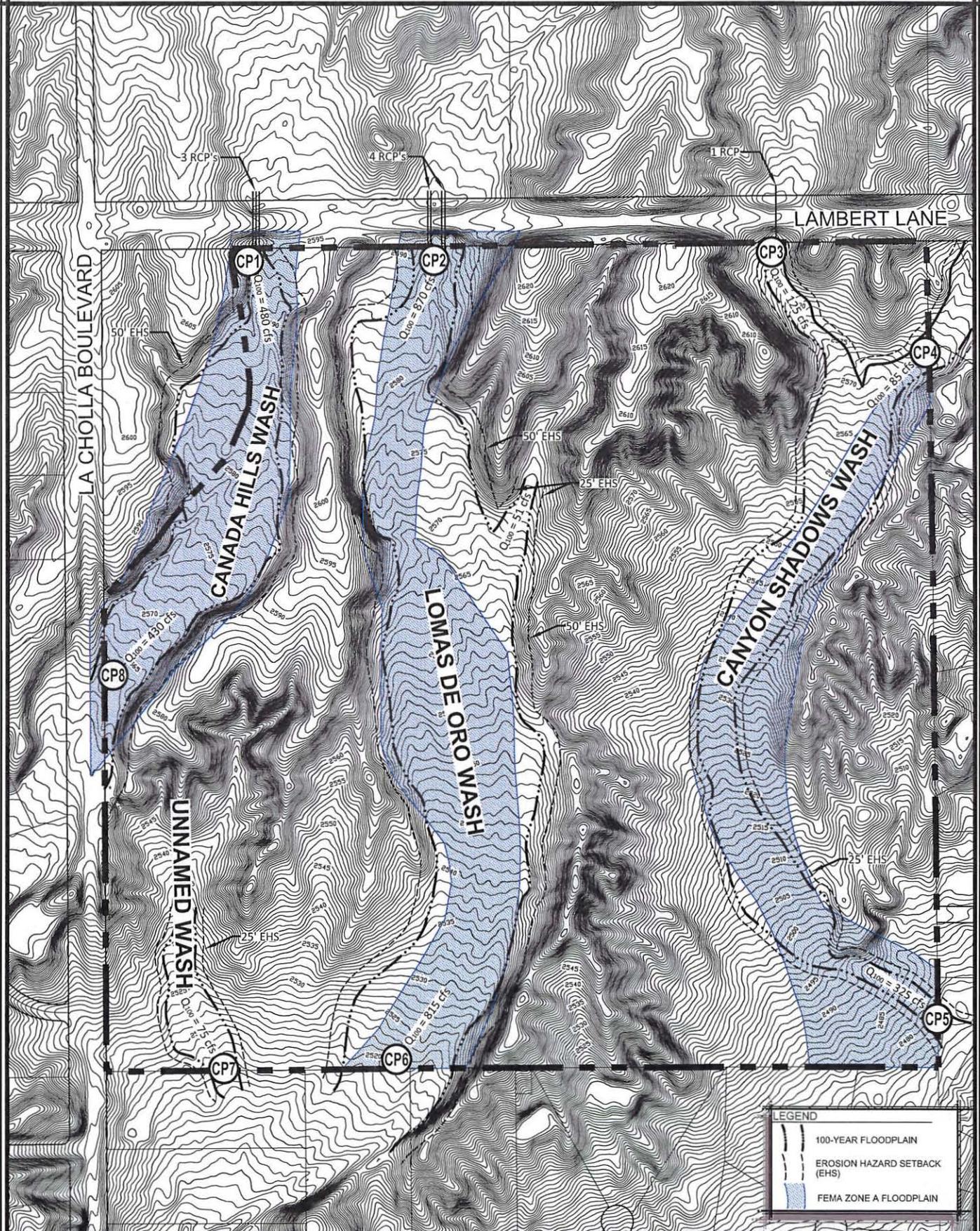
- d. 100-year peak discharges exceeding 50 cfs.

The estimated 100-year peak discharges exceeding 50 cfs. are shown on *Exhibit G: On-site Hydrology*.

- 5. A qualitative description of existing drainage conditions along the downstream property boundary.

All washes originating off-site cross under Lambert Lane via multiple culverts. The washes course through and exit the subject property in a natural condition and manner. To the south of the site, water flowing through the Lomas de Oro Wash is captured and conveyed in a rock gabion lined channel near the downstream property boundary. The wash eventually drains to the Cañada Del Oro Wash, located approximately one half mile south of the subject property.

Refer to the first appendix of this Site Analysis:
JE Fuller Hydrology & Geomorphology Report,
Dated May 2015



LEGEND	
	100-YEAR FLOODPLAIN
	EROSION HAZARD SETBACK (EHS)
	FEMA ZONE A FLOODPLAIN

I-D. Vegetation

1. Vegetative communities and associations on the site.

The dominant community of vegetation on the property is Sonoran-PaloVerde-Desert Cacti-Mixed Scrub Series. There are also smaller areas of Sonora-Mojave Creosote bush-White Bursage Desert Scrub and Apacherian-Chihuahuan Mesquite Upland Scrub. Typical species found in this biome include Bursage (*Ambrosia deltoidea*) and Foothills Palo Verde (*Cercidium microphyllum*). Wash and drainage areas are characterized by Mesquite (*Prosopis velutina*), Desert Hackberry (*Celtis Pallida*), and mixed scrub vegetation association.

2. Significant cacti and groups of trees and Federally-listed threatened or endangered species. Please refer to *Exhibit I: Arizona Game and Fish Department Letter*.

There is no truly significant vegetation or distinctive native plant stands present on the site. The following plant species were found on the project site: Fishhook Barrel Cactus (*Ferocactus wislizenii*), Engelmann Prickly Pear (*O.p. var. discata*), Foothills Palo Verde (*Cercidium microphyllum*), Velvet Mesquite (*Prosopis velutina*), Creosote Bush (*Larrea tridentata*), Cat-claw Acacia (*Acacia greggii*), Desert Hackberry (*Celtis pallida*), Strawberry Hedgehog (*Echinocereus engelmannii*), Teddy Bear Cholla (*Opuntia bigelovii*), Jumping Cholla (*Opuntia fulgida*), Brittlebush (*Encelia farinose*), Desert Broom (*Baccharis sarathoides*), Fairy Duster (*Calliandra eriophylla*), Triangle Leaf Bursage (*Ambrosia deltoidea*), and Saguaro (*Carnegiea gigantea*). More dense and diverse vegetation occurs along the washes crossing the subject property.

According to the Arizona Game and Fish Department, the following species are known to occur in the vicinity of the project site – Pima Indian Mallow (*Abutilon parishii*), designated as Sensitive and Salvage Restricted and Trelease Agave (*Agave schottii treleasei*), designated as Sensitive and Highly Safeguarded.

3. Vegetative densities by approximate percentage of plant cover.

As determined by field reconnaissance and analysis of aerial photographs, the subject property is characterized by a moderate amount of vegetation. Several washes traverse the site from north to south. In some areas, the wash contains small stands of mature vegetation. The density of the vegetation generally diminishes as the distance from the washes increases. Please refer to *Exhibit H: Vegetation*.

LAMBERT LANE

LA CHOLLA BOULEVARD

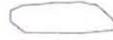
LEGEND:



MEDIUM DENSITY VEGETATION



LOW DENSITY VEGETATION



VERY LOW DENSITY VEGETATION



SIGNIFICANT VEGETATION



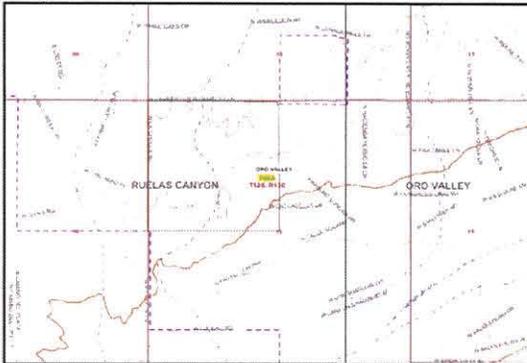
Arizona's On-line Environmental Review Tool

Search ID: 20140626023806

Project Name: Lambert & La Cholla

Date: 6/26/2014 4:56:12 PM

Project Location



Project Name: Lambert & La Cholla

Submitted By: Gregory McDowell

On behalf of: PINAL

Project Search ID: 20140626023806

Date: 6/26/2014 4:56:06 PM

Project Category: Development Within Municipalities (Urban Growth), Residential subdivision and associated infrastructure, New construction

Project Coordinates (UTM Zone 12-NAD 83): 499190.200, 3583852.697 meter

Project Area: 157.994 acres

Project Perimeter: 3189.591 meter

County: PIMA

USGS 7.5 Minute Quadrangle ID: 1683

Quadrangle Name: RUELAS CANYON

Project locality is not anticipated to change

Location Accuracy Disclaimer

Project locations are assumed to be both precise and accurate for the purposes of environmental review. The creator/owner of the Project Review Receipt is solely responsible for the project location and thus the correctness of the Project Review Receipt content.

The Department appreciates the opportunity to provide in-depth comments and project review when additional information or environmental documentation becomes available.

Special Status Species Occurrences/Critical Habitat/Tribal Lands within 3 miles of Project Vicinity:

Name	Common Name	FWS	USFS	BLM	State
<i>Glaucidium brasilianum cactorum</i>	Cactus Ferruginous Pygmy-owl	SC	S	S	WSC
<i>Gopherus morafkai</i>	Scorpion Desert Tortoise	C*	S		WSC
<i>Leptonycteris curasoae yerbabuena</i>	Lesser Long-nosed Bat	LE			WSC
<i>Tumamoca macdougalii</i>	Tumamoc Globeberry		S	S	SR

Arizona's On-line Environmental Review Tool

Search ID: 20140626023806
Project Name: Lambert & La Cholla
Date: 6/26/2014 4:56:12 PM

Please review the entire receipt for project type recommendations and/or species or location information and retain a copy for future reference. If any of the information you provided did not accurately reflect this project, or if project plans change, another review should be conducted, as this determination may not be valid.

Arizona's On-line Environmental Review Tool:

1. This On-line Environmental Review Tool inquiry has generated recommendations regarding the potential impacts of your project on Special Status Species (SSS) and other wildlife of Arizona. SSS include all U.S. Fish and Wildlife Service federally listed, U.S. Bureau of Land Management sensitive, U.S. Forest Service sensitive, and Arizona Game and Fish Department (Department) recognized species of concern.

2. These recommendations have been made by the Department, under authority of Arizona Revised Statutes Title 6 (Amusements and Sports), 17 (Game and Fish), and 28 (Transportation). These recommendations are preliminary in scope, designed to provide early considerations for all species of wildlife, pertinent to the project type you entered.

3. This receipt, generated by the automated On-line Environmental Review Tool does not constitute an official project review by Department biologists and planners. Further coordination may be necessary as appropriate under the National Environmental Policy Act (NEPA) and/or the Endangered Species Act (ESA).

The U.S. Fish and Wildlife Service (USFWS) has regulatory authority over all federally listed species under the ESA. Contact USFWS Ecological Services Offices: <http://arizonaes.fws.gov/>.

Phoenix Main Office
2321 W. Royal Palm Road, Suite 103
Phoenix, AZ 85021
Phone 602-242-0210
Fax 602-242-2513

Tucson Sub-Office
201 North Bonita, Suite 141
Tucson, AZ 85745
Phone 520-670-6144
Fax 520-670-6154

Flagstaff Sub-Office
323 N. Leroux Street, Suite 101
Flagstaff, AZ 86001
Phone 928-226-0614
Fax 928-226-1099

Disclaimer:

1. This is a preliminary environmental screening tool. It is not a substitute for the potential knowledge gained by having a biologist conduct a field survey of the project area.
2. The Department's Heritage Data Management System (HDMS) data is not intended to include potential distribution of special status species. Arizona is large and diverse with plants, animals, and environmental conditions that are ever changing. Consequently, many areas may contain species that biologists do not know about or species previously noted in a particular area may no longer occur there.
3. Not all of Arizona has been surveyed for special status species, and surveys that have been conducted have varied greatly in scope and intensity. Such surveys may reveal previously undocumented population of species of special concern.
4. HDMS data contains information about species occurrences that have actually been reported to the Department.

Arizona Game and Fish Department Mission

To conserve, enhance, and restore Arizona's diverse wildlife resources and habitats through aggressive protection and

Arizona's On-line Environmental Review Tool
Search ID: 20140626023806
Project Name: Lambert & La Cholla
Date: 6/26/2014 4:56:12 PM

management programs, and to provide wildlife resources and safe watercraft and off-highway vehicle recreation for the enjoyment, appreciation, and use by present and future generations.

Project Category: Development Within Municipalities (Urban Growth), Residential subdivision and associated infrastructure, New construction

Project Type Recommendations:

All degraded and disturbed lands should be restored to their natural state. Vegetation restoration projects (including treatments of invasive or exotic species) should have a completed site-evaluation plan (identifying environmental conditions necessary to re-establish native vegetation), a revegetation plan (species, density, method of establishment), a short and long-term monitoring plan, including adaptive management guidelines to address needs for replacement vegetation.

Based on the project type entered; coordination with Arizona Department of Environmental Quality may be required (<http://www.azdeq.gov/>).

Based on the project type entered; coordination with Arizona Department of Water Resources may be required (<http://www.water.az.gov/adwr/>).

Based on the project type entered; coordination with County Flood

Control districts may be required.

Based on the project type entered; coordination with State Historic Preservation Office may be required (<http://azstateparks.com/SHPO/index.html>)

Based on the project type entered; coordination with U.S. Army Corps of Engineers may be required (<http://www.spl.usace.army.mil/regulatory/phonedir.html>)

Communities can actively support the sustainability and mobility of wildlife by incorporating wildlife planning into their regional/comprehensive plans, their regional transportation plans, and their open space/conservation land system programs. An effective approach to wildlife planning begins with the identification of the wildlife resources in need of protection, an assessment of important habitat blocks and connective corridors, and the incorporation of these critical wildlife components into the community plans and programs. Community planners should identify open spaces and habitat blocks that can be maintained in their area, and the necessary connections between those blocks to be preserved or protected. Community planners should also work with State and local transportation planning entities, and planners from other communities, to foster coordination and cooperation in developing compatible development plans to ensure wildlife habitat connectivity. The Department's guidelines for incorporating wildlife considerations into community planning and developments can be found at <http://www.azgfd.gov/hgis/guidelines.aspx>.

Development plans should provide for open natural space for wildlife movement, while also minimizing the potential for wildlife-human interactions through design features. Please contact Project Evaluation Program for more information on living with urban wildlife.

During planning and construction, minimize potential introduction or spread of exotic invasive species. Invasive species can be plants,

Arizona's On-line Environmental Review Tool
Search ID: 20140626023806
Project Name: Lambert & La Cholla
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Project Category: Development Within Municipalities (Urban Growth), Residential subdivision and associated infrastructure, New construction

Project Type Recommendations:

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Based on the project type entered; coordination with County Flood

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During planning and construction, minimize potential introduction or spread of exotic invasive species. Invasive species can be plants,

Arizona's On-line Environmental Review Tool

Search ID: 20140626023806
Project Name: Lambert & La Cholla
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The Department recommends that wildlife surveys are conducted to determine if noise-sensitive species occur within the project area. Avoidance or minimization measures could include conducting project activities outside of breeding seasons.

The Department requests further coordination to provide project/species specific recommendations, please contact Project Evaluation Program directly.

The construction or maintenance of water developments should include: incorporation of aspects of the natural environment and the visual resources, maintaining the water for a variety of species, water surface area (e.g. bats require a greater area due to in-flight drinking), accessibility, year-round availability, minimizing potential for water quality problems, frequency of flushing, shading of natural features, regular clean-up of debris, escape ramps, minimizing obstacles, and minimizing accumulation of silt and mud.

Trenches should be covered or back-filled as soon as possible. Incorporate escape ramps in ditches or fencing along the perimeter to deter small mammals and herptef fauna (snakes, lizards, tortoise) from entering ditches.

Project Location and/or Species recommendations:

Heritage Data Management System records indicate that one or more listed, proposed, or candidate species or Critical Habitat (Designated or Proposed) have been documented in the vicinity of your project (refer to page 1 of the receipt). Please contact:
Ecological Services Office
US Fish and Wildlife Service
2321 W. Royal Palm Rd.
Phoenix, AZ 85021-4951
Phone: 602-242-0210
Fax: 602-242-2513

Heritage Data Management System records indicate that one or more native plants listed on the Arizona Native Plant Law and Antiquities Act have been documented within the vicinity of your project area (refer to page 1 of the receipt). Please contact:
Arizona Department of Agriculture
1688 W Adams
Phoenix, AZ 85007
Phone: 602-542-4373

Recommendations Disclaimer:

1. Potential impacts to fish and wildlife resources may be minimized or avoided by the recommendations generated from information submitted for your proposed project.
2. These recommendations are proposed actions or guidelines to be considered during **preliminary project development**.
3. Additional site specific recommendations may be proposed during further NEPA/EISA analysis or through coordination with affected agencies.
4. Making this information directly available does not substitute for the Department's review of project proposals, and should not decrease our opportunity to review and evaluate additional project information and/or new project proposals.
5. The Department is interested in the conservation of all fish and wildlife resources, including those Special Status Species listed on this receipt, and those that may have not been documented within the project vicinity as well as other game and nongame wildlife.
6. **Further coordination requires the submittal of this initialed and signed Environmental Review Receipt with a cover letter and project plans or documentation that includes project narrative, acreage to be impacted, how construction or project activity(s) are to be accomplished, and project locality information (including site map).**

Arizona's On-line Environmental Review Tool

Search ID: 20140626023806
Project Name: Lambert & La Cholla
Date: 6/26/2014 4:56:12 PM

7. Upon receiving information by AZGFD, please allow 30 days for completion of project reviews. Mail requests to:

**Project Evaluation Program, Habitat Branch
Arizona Game and Fish Department
5000 West Carefree Highway
Phoenix, Arizona 85086-5000
Phone Number: (623) 236-7600
Fax Number: (623) 236-7366**

Terms of Use

By using this site, you acknowledge that you have read and understand the terms of use. Department staff may revise these terms periodically. If you continue to use our website after we post changes to these terms, it will mean that you accept such changes. If at any time you do not wish to accept the Terms, you may choose not to use the website.

1. This Environmental Review and project planning website was developed and intended for the purpose of screening projects for potential impacts on resources of special concern. By indicating your agreement to the terms of use for this website, you warrant that you will not use this website for any other purpose.
2. Unauthorized attempts to upload information or change information on this website are strictly prohibited and may be punishable under the Computer Fraud and Abuse Act of 1986 and/or the National Information Infrastructure Protection Act .
3. The Department reserves the right at any time, without notice, to enhance, modify, alter, or suspend the website and to terminate or restrict your access to the website.
4. This Environmental Review is based on the project study area that was entered. The review must be redone if the project study area, location, or the type of project changes. If additional information becomes available, this review may need to be reconsidered.
5. A signed and initialed copy of the Environmental Review Receipt

indicates that the entire receipt has been read by the signer of the Environmental Review Receipt.

Security:

The Environmental Review and project planning web application operates on a complex State computer system. This system is monitored to ensure proper operation, to verify the functioning of applicable security features, and for other like purposes. Anyone using this system expressly consents to such monitoring and is advised that if such monitoring reveals possible evidence of criminal activity, system personnel may provide the evidence of such monitoring to law enforcement officials. Unauthorized attempts to upload or change information; to defeat or circumvent security measures; or to utilize this system for other than its intended purposes are prohibited.

This website maintains a record of each environmental review search result as well as all contact information. This information is maintained for internal tracking purposes. Information collected in this application will not be shared outside of the purposes of the Department.

If the Environmental Review Receipt and supporting material are not mailed to the Department or other appropriate agencies within six (6) months of the Project Review Receipt date, the receipt is considered to be null and void, and a new review must be initiated.

Print this Environmental Review Receipt using your Internet browser's print function and keep it for your records. Signature of this receipt indicates the signer has read and understands the information provided.

Signature: _____

Arizona's On-line Environmental Review Tool

Search ID: 20140626023806
Project Name: Lambert & La Cholla
Date: 6/26/2014 4:56:12 PM

Date: _____

Contact Name: _____

Proposed Date of Implementation: _____

Address: _____

Please provide point of contact information regarding this Environmental Review.

City, State, Zip: _____

Application or organization responsible for project implementation

Phone: _____

Agency/organization: _____

E-mail: _____

Contact Name: _____

Address: _____

City, State, Zip: _____

Phone: _____

E-mail: _____

Person Conducting Search (if not applicant)

Agency/organization: _____

I-F. Viewsheds

1. Views onto and across the site from adjacent properties that may be blocked by development of the site. Please refer to *Exhibit J: Viewsheds and Exhibit K: Site Visibility*.

The Tortolita Mountains to the northwest are slightly visible from the subject property. The Santa Catalina Mountains, including Pusch Ridge, to the east and southeast are highly visible from the subject property. The site's elevation falls not only from north to south, but also west to east. As such, views of the Santa Catalina Mountains from neighboring properties will not be impacted by the proposed development. There are no views or vistas from areas beyond adjacent properties that will be noticeably affected by the development of the site.

2. Areas of high visibility from adjacent off-site locations.

The undulating character of the site causes large portions of the property to not be highly visible from surrounding roadways. The most developable portions of the property are visible primarily from the south. Views onto the site from the north, east, and west are largely screened by existing topography and rolling topography. The areas of high, medium, and low visibility were determined by field observation, topography, and aerial photograph reconnaissance. Please refer to *Exhibit K: Site Visibility*.

3. Provide photographs that depict proposed structures superimposed on existing landscape.

The proposed development will consist of a residential component, integrated in a well-designed manner to fit with the existing nature of the site. However, at this time, a developer for this property has not been selected and the specific design and nature of the structures has not yet been determined.



LA CHOLLA BOULEVARD

LAMBERT LANE

1

2

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②



③



④



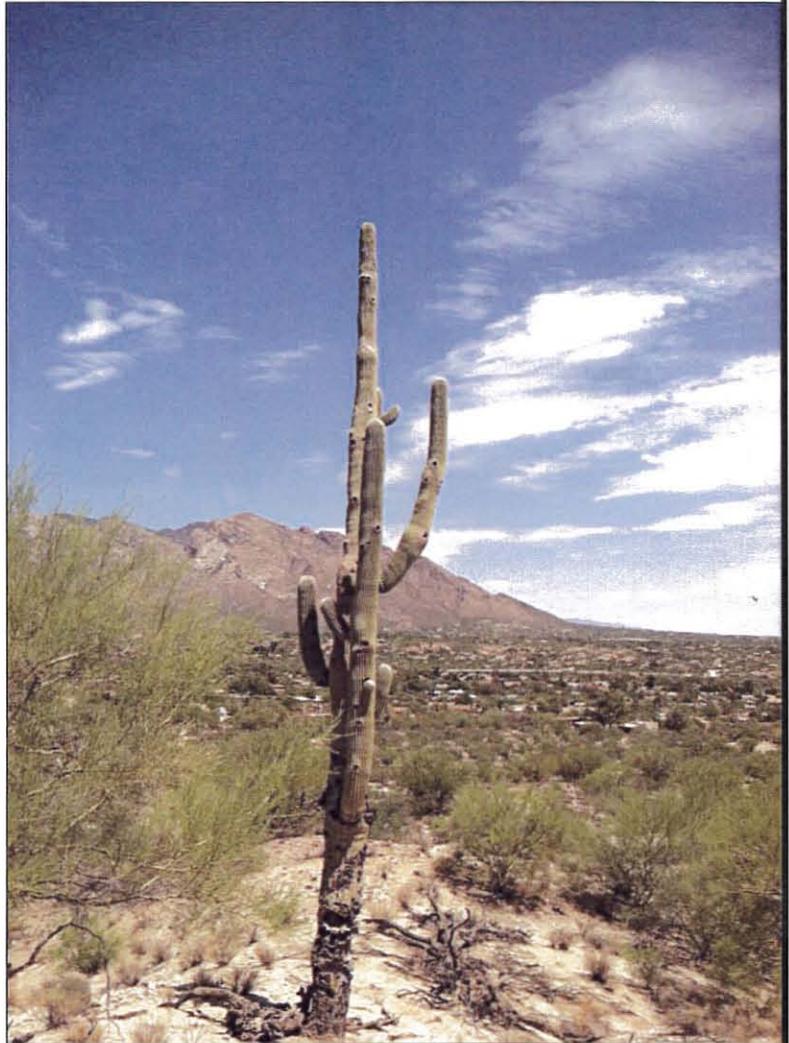
⑤



⑥



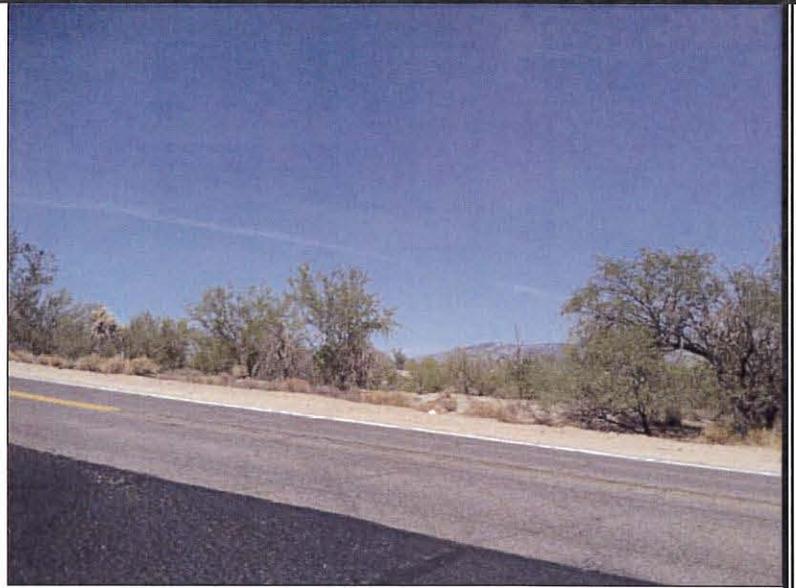
7



8



9



LA CHOLLA BOULEVARD

LAMBERT LANE

SUBJECT PROPERTY

LEGEND
[Cross-hatched box] VISIBLE FROM ADJACENT PROPERTIES

I-G. Traffic

1. All existing and proposed off-site streets between the development and the nearest arterial streets. Please refer to *Exhibit L: Traffic*

Access to the subject property will be from La Cholla Boulevard and Lambert Lane. Major streets within one-mile of the subject property include; La Cholla Boulevard, Shannon Road, Lambert Lane, and La Canada Drive. Roads adjacent to and within one-mile distance from the subject property are generally in excellent condition.

2. All arterial streets within one mile of the project site:

Road	Section	Existing ROW	Ultimate ROW	Travel Lanes	Capacity	Speed Limit (mph)	ADT (PAG)	Surface Conditions	Scheduled Improvements
La Cholla Boulevard	Overton Rd. to Lambert Ln.	50' to 170'	150'	2	15,000	45	5,600	Minor cracking	Widening roadway to 4 lanes.
	Lambert Ln. to Naranja Dr.	50' to 70'	150'	2	15,000	45	7,400	Generally acceptable	Widening roadway to 4 lanes.
Lambert Lane	Shannon Rd. to La Cholla Blvd.	150'	150'	2	15,000	45	6,000	Generally acceptable	None identified.
	La Cholla Blvd. to La Canada Dr.	150'	150'	2	15,000	45	8,700	Generally acceptable	Widening roadway to 4 lanes w/ bike lanes.
La Canada Drive	Overton Rd. to Lambert Ln.	150'	150'	4	30,000	45	21,300	Generally acceptable	None identified.
	Lambert Ln. to Naranja Dr.	150'	150'	4	30,000	45	21,100	Generally acceptable	Overlay existing pavement.
Shannon Road	Overton Rd. to Lambert Ln.	70 to 150'	90'	2	15,000	45	4,600	Minor cracking	None identified.
	Lambert Ln. to Naranja Dr.	150'	90'	2	15,000	45	3,200	Minor cracking	None identified.

3. Existing and proposed intersections on arterials within one mile of the site, most likely to be used by traffic from this site

Arterial intersections within one mile of the site that will likely carry traffic generated by this development include: La Cholla Boulevard at Lambert Lane, La Canada Drive at Lambert Lane, and La Cholla Boulevard at Overton Road. All of the arterial intersections listed above use traffic control signals. Please refer to *Exhibit L: Traffic*.

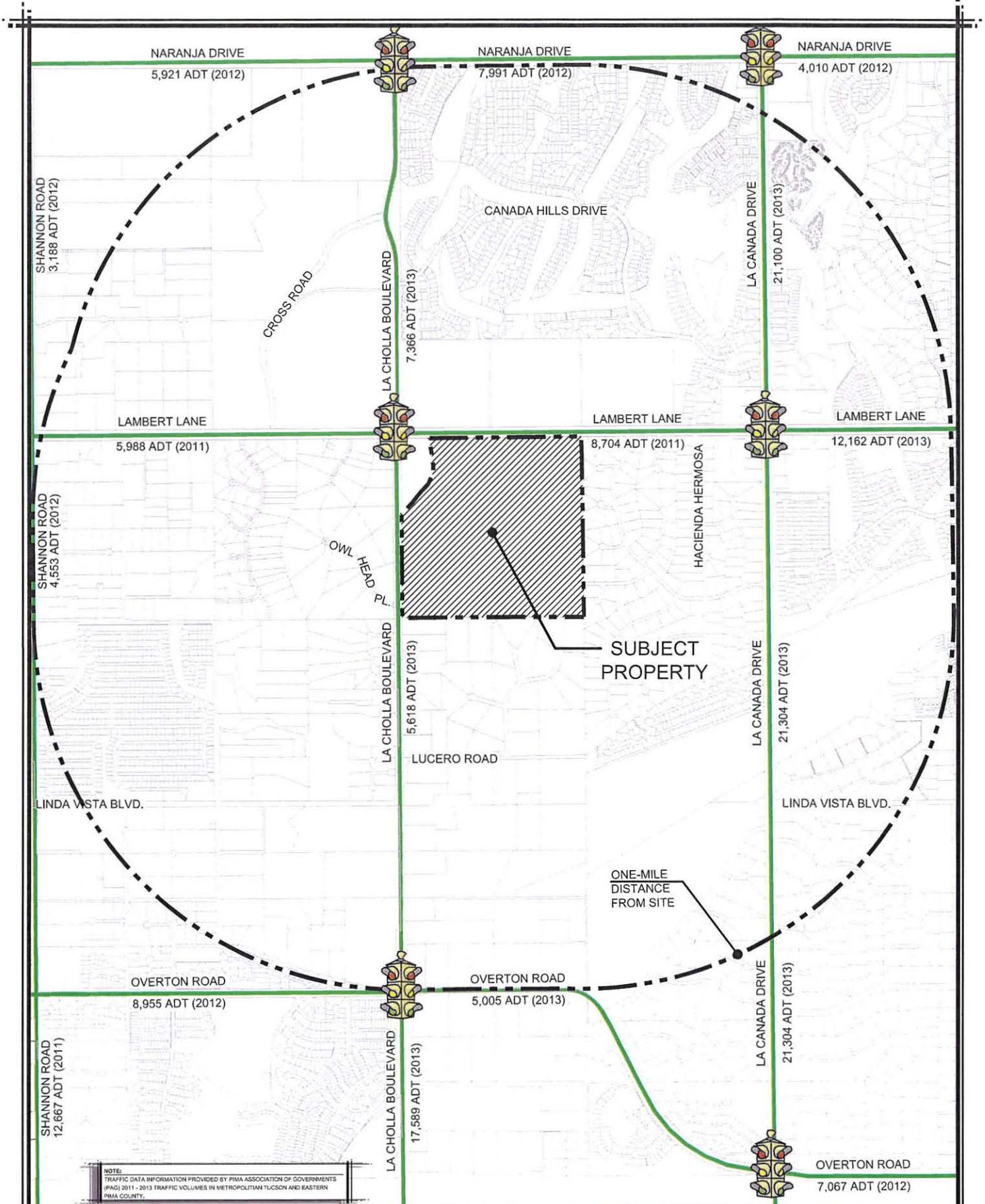
4. Existing bicycle and pedestrian ways adjacent to the site and their connections with streets, parks, and schools.

Please refer to *Exhibit M: Bike Routes*.

According to the Oro Valley Bikeways Map Existing Routes and Surfaces (2013), below are the bicycle facilities near the subject property, which are classified as follows:

- North of Lambert Lane, along La Cholla Boulevard (signed bike route w/ on-street bike lane).
- La Canada Drive (paved shared use path and signed bike route w/ on-street bike lane).
- Lambert Lane (shared use path).
- Canada del Oro Linear Park (paved shared-use path).
- Canada Hills Drive (paved shoulder)

The upcoming widening of La Cholla Blvd. will include bicycle and pedestrian paths.



NOTE:
 TRAFFIC DATA INFORMATION PROVIDED BY PIMA ASSOCIATION OF GOVERNMENTS
 (PAG) 2011 - 2013 TRAFFIC VOLUMES IN METROPOLITAN TUCSON AND EASTERN
 PIMA COUNTY.

I-H. Recreation and Trails

1. Trails, parks and recreation areas within one mile of site

West Lambert Lane Park is northeast of the project site. The park includes a trail head and an approximately 1/3-mile looping trail.

The Eastern Pima County Trail System Master Plan shows single track trail #161 traversing the western side of the subject property from north to south; ultimately connecting to RP #002 (Cañada del Oro Wash) approximately ¼ mile south of the subject property. The trail continues north, merging with others and ultimately providing access to Tortolita Mountain Park.

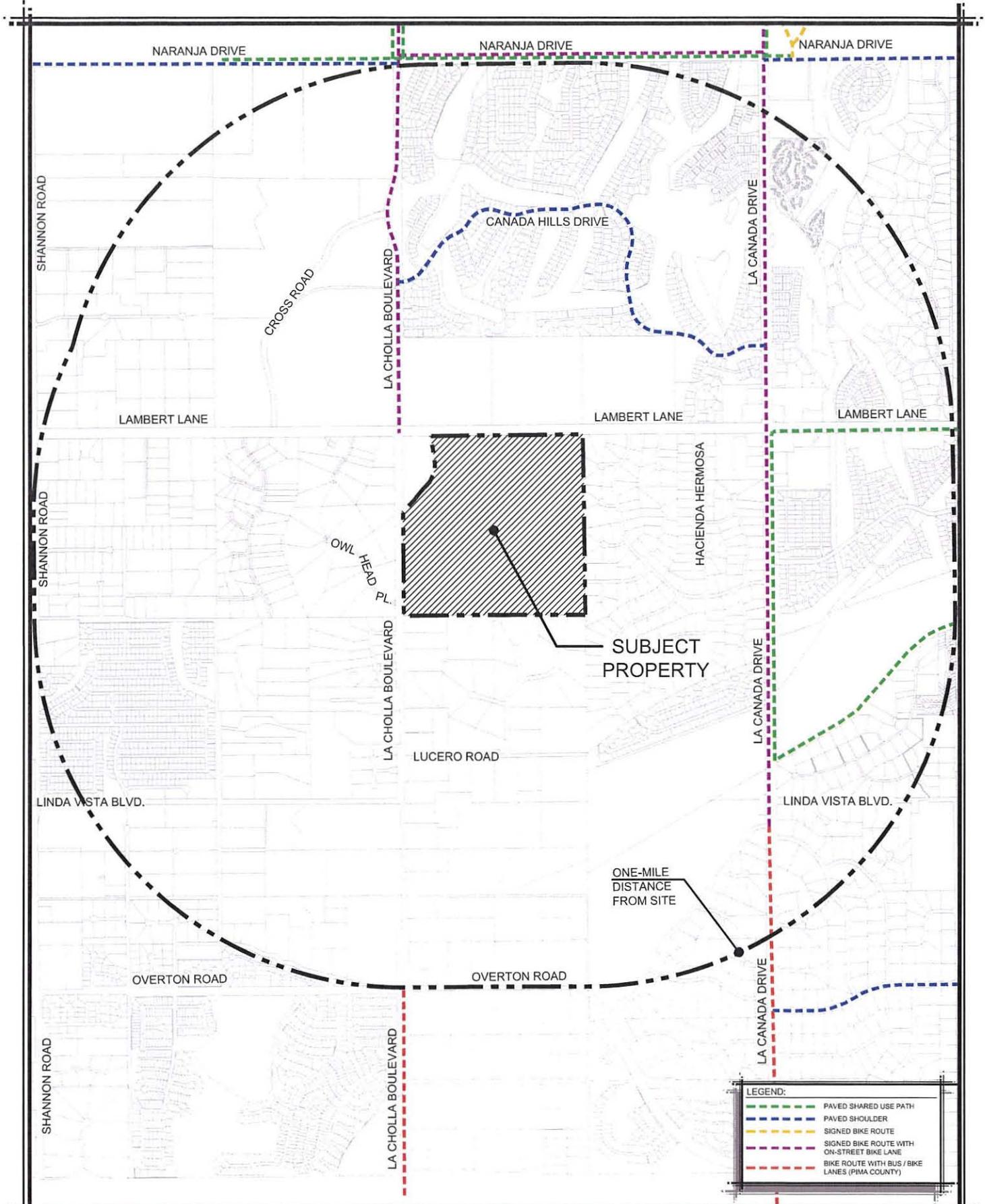
Refer to *Exhibit M: Bike Routes* and *Exhibit O: Schools, Recreation & Trails*.

2. Size and type of the parks and recreation areas identified.

The West Lambert Lane Park is roughly 38 acres. The park includes an approximately 1/3-mile looping trail with a decomposed granite surface. Paved access and parking is located off of Lambert Lane.

The Tortolita Mountain State Park consists of approximately 3,100 acres of open space. This park features passive recreational areas with numerous trails for hiking, biking and equestrian use

The Cañada Del Oro Riverfront Park consists of approximately 30 acres of active and passive recreational areas, ball fields, walking paths, and restroom facilities.



LEGEND:

	PAVED SHARED USE PATH
	PAVED SHOULDER
	SIGNED BIKE ROUTE
	SIGNED BIKE ROUTE WITH ON-STREET BIKE LANE
	BIKE ROUTE WITH BUS / BIKE LANES (PIMA COUNTY)



I-I. Cultural/Archaeological/Historic Resources

1. Please refer to *Exhibit N: Arizona State Museum Letter* on the following two pages.

a. Determine whether the site has been field surveyed for cultural resources.

The subject property has been field surveyed for cultural resources. Tierra Archaeological Report No. 2015-012, dated March 12, 2014, was completed by Tierra Right of Way Land Services and submitted to the Town for review along with this Site Analysis.

The report summarizes that two (2) historic isolated occurrences were recorded within the site boundaries, and neither of the isolated occurrences meet the criteria of significance for inclusion on the National Register of Historic Places (NHRP). The report recommends that the proposed development will have no impact and the project be allowed to proceed without further archaeological work required.

Also see *Exhibit N: Arizona State Museum Records Check Letter*. According to the letter, thirty-five archaeological inspections were completed within one mile of the proposed project between 1976 and 2011.

b. Identify any previously recorded archaeological or historic resources known to exist on the property.

According to the Arizona State Museum, no historic sites are known to exist on the subject property but three are recorded within one mile of the site, including a transmission line and prehistoric site.

c. State the probability that buried archaeological resources not visible from the surface would be discovered on the site

A cultural resources survey was conducted. Tierra Archaeological Report No. 2015-012, dated March 12, 2014, concludes that neither of the isolated occurrences meet the criteria of significance for inclusion on the NRHP. The reports recommendation implies that the probability that the presence of buried archaeological resources is very small and unlikely. In accordance with Section 41-865 of the Arizona Revised Statutes, if remains are encountered during ground-disturbing activities, all ground-disturbing activities will cease until so directed by ASM personnel.

A treatment plan is not recommended for the subject property.

I-I. **Cultural/Archaeological/Historic Resources (Continued)**
Exhibit N: Arizona State Museum Records Check Letter:



Arizona State Museum

PO Box 210026
Tucson, AZ 85721-0026
Tel: (520) 621-6302
Fax: (520) 621-2976

PIMA COUNTY ARCHAEOLOGICAL SITE RECORDS SEARCH RESULTS

E-mail Request Received: 5/12/2014

Search Completed: 6/16/2014

Requester Name and Title: Gregory McDowell, Land Planner
Company: The WLB Group, Inc.
Address: 4444 E. Broadway Boulevard
City, State, Zip Code: Tucson, Arizona 85711-3508
Phone/Fax/or E-mail: 881.7480

Project Name and/or Number Parcel 224-39-0020
Project Description Planned area development on ~ 155 acres

Project Area Location: SEC of Lambert Ln & La Cholla Blvd, Town of Oro Valley, Pima County, Arizona.

Legal Description: a portion of NW, S15, T12S, R13E, G&SR B&M, Town of Oro Valley, Pima Co., AZ.

Search Results: A search of the archaeological site files retained at the Arizona State Museum (ASM) found that the proposed project area has not been inspected for historic properties. No historic properties are recorded in the project area; three historic properties are recorded within a mile radius, including a transmission line and a prehistoric site. Thirty-five archaeological inspections were completed between 1976 and 2011 within a mile of the project area. A color orthophotograph taken in 2012 depicts an undeveloped parcel covered with native vegetation; several dirt trails criss cross the property as well as a couple of intermittent drainages. Residential development and undeveloped land are adjacent to the project area.

Sites in Project Area: Unknown; without an inspection of the ground surface in the proposed project area, it is impossible to ascertain the presence or absence of historic properties.

Recommendations: Because the subject parcel has not been inspected for cultural resources and because significant cultural resources are recorded in the region, the ASM recommends that the parcel be inspected by a qualified archaeological professional in advance of any ground-disturbing construction. A professional archaeological contractor will conduct a thorough pedestrian inspection of the ground surface in the area of the proposed development, looking for evidence of significant historic or prehistoric remains, and will provide you with a report of the results of the inspection. The report will also contain the archaeological contractor's recommendations for additional archaeological work, if any, that may be needed in the project area. A list of qualified archaeological contractors is maintained on the ASM website posted at the following address: <http://www.statemuseum.arizona.edu/crservices/permits/index.shtml>.

Pursuant to *Arizona Revised Statutes* §41-865 et seq., if any human remains or funerary objects are discovered during the project work, all effort will stop within the area of the remains and Dr. Todd Pitezal, ASM assistant curator of archaeology, will be contacted immediately at (520) 621-4795.

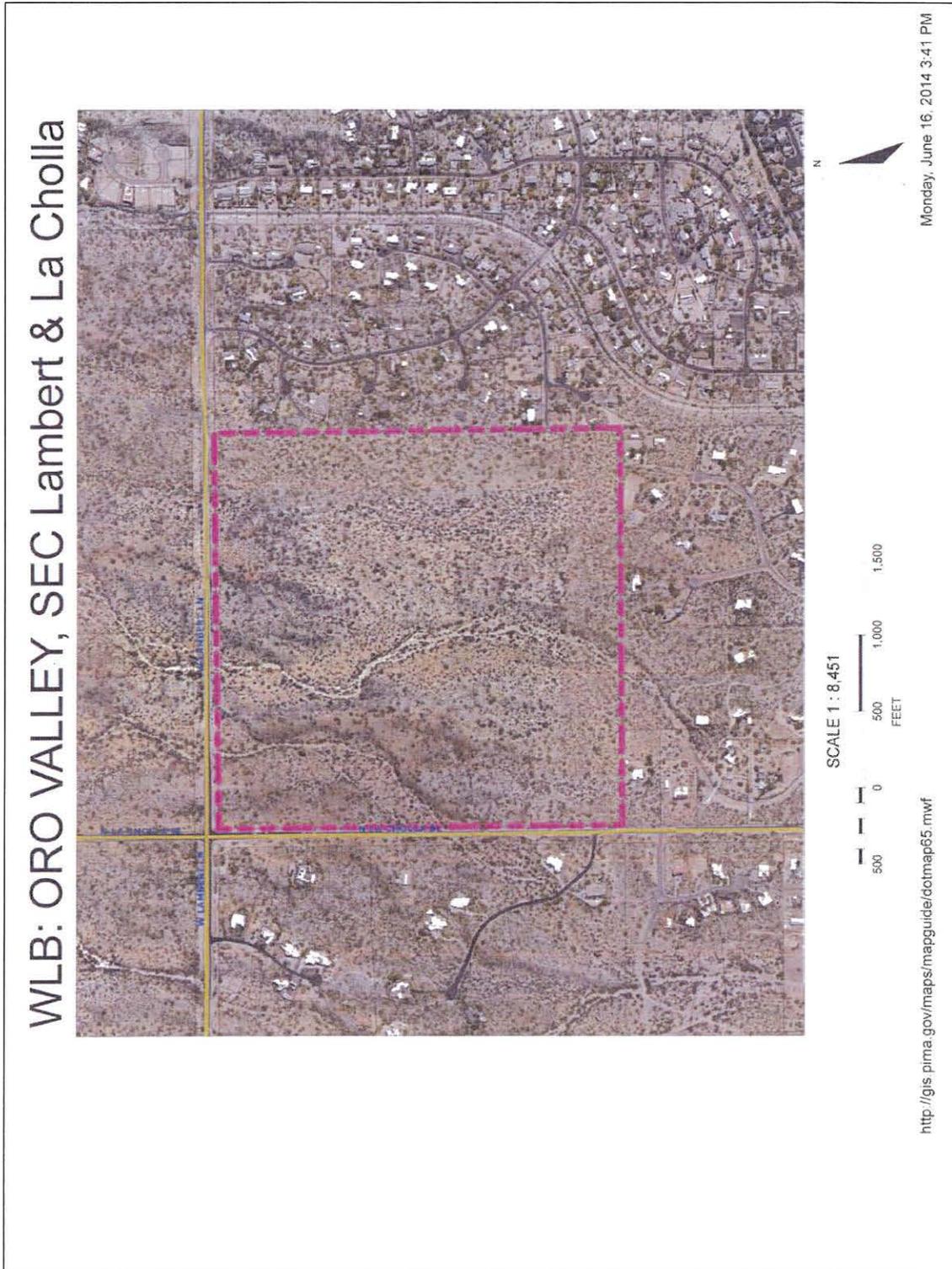
If I can be of further assistance, please contact me at the letterhead address or the phone number or e-mail address as follows.

Sincerely,

Nancy E. Pearson
Assistant Permits Administrator
(520) 621-2096
nepearso@email.arizona.edu



I-I. Cultural/Archaeological/Historic Resources (Continued)
Exhibit N: Arizona State Museum Records Check Letter (Continued):



I-J. Schools

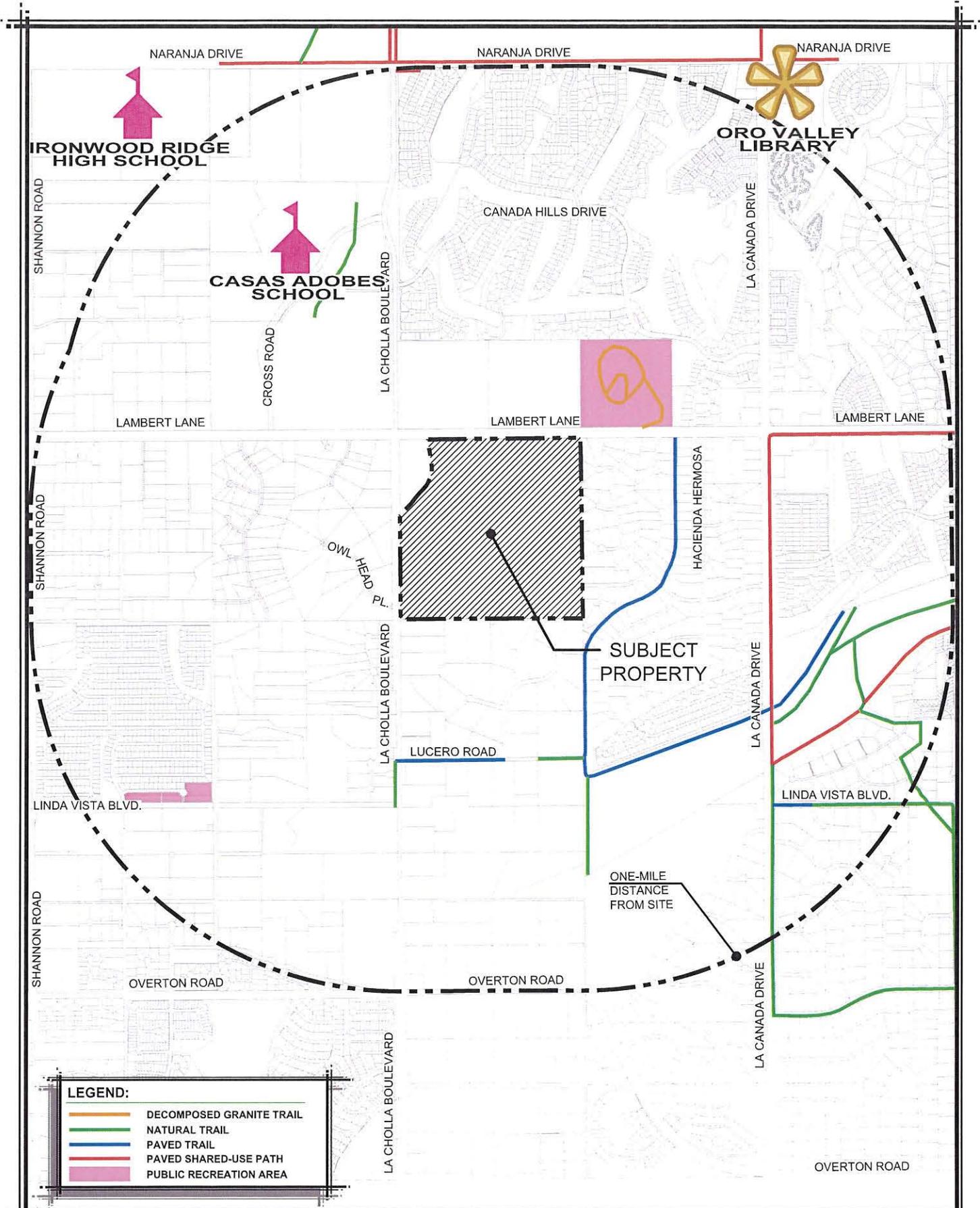
Students within this development will be served by schools in the Amphitheater Unified School District or by one of the several charter or private schools within the area. There are two schools within one mile of the proposed development: Ironwood Ridge High School, approximately one mile to the northwest; and Casas Christian School, approximately one-half mile to the northwest. Please refer to *Exhibit O: Schools, Recreation & Trails*.

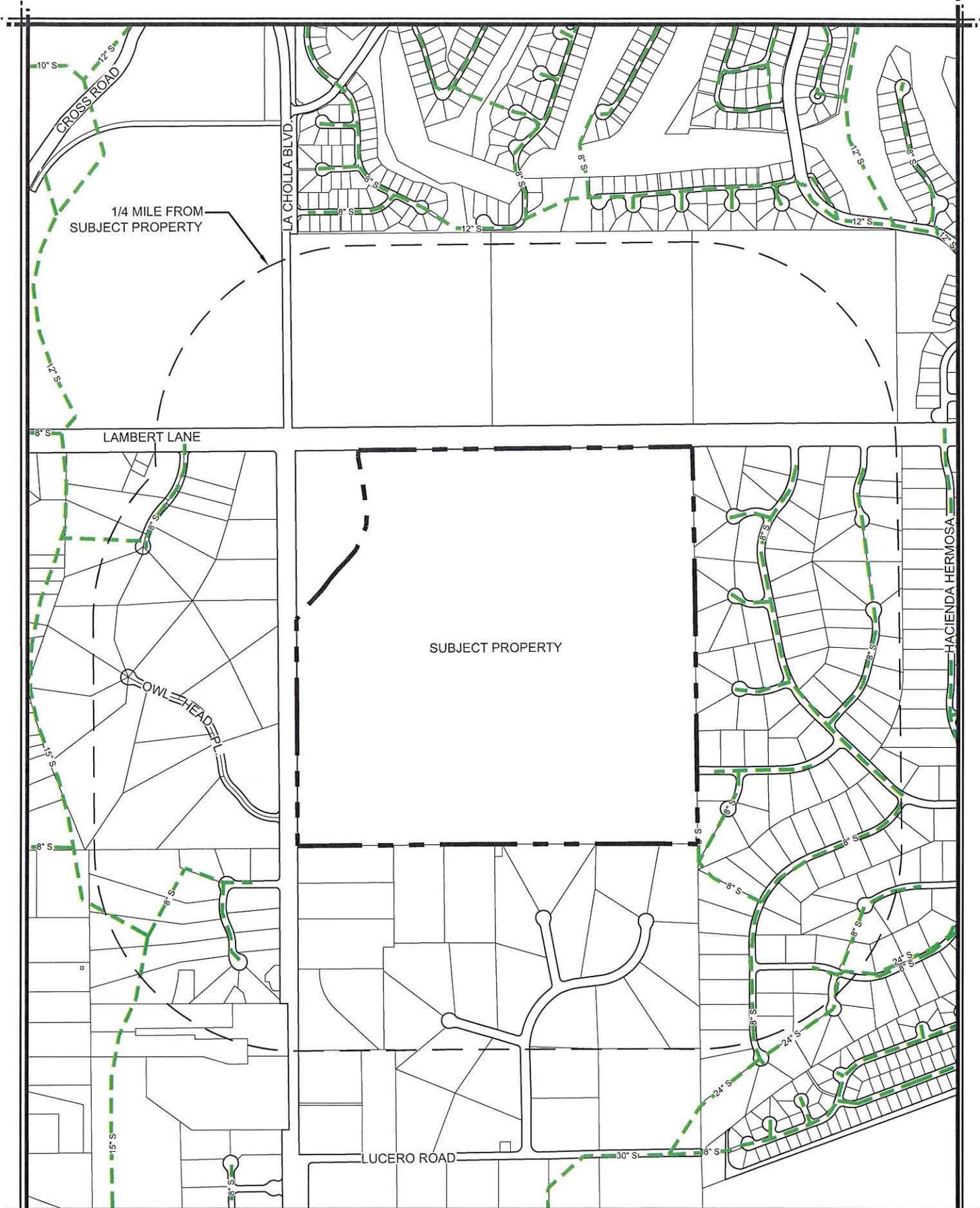
I-K. Water

1. Contact information: Mark Moore, Oro Valley Water Utility located at 11000 N. La Cañada Drive, Oro Valley, AZ 85737.
2. The subject property will be served by the Oro Valley Water Utility. The nature of offsite improvements will be determined during the platting process.

I-L. Sewers

Manhole 8904-28 is a part of an 8" sewer line, S-508-006, that runs southeast through the Rancho Feliz subdivision. Pima County Regional Wastewater Reclamation Department (PCRWRD) has issued a Type I Sewerage Capacity Investigation letter, verifying that capacity is available to publicly serve the proposed development at manhole 8904-28. Verbal discussions with PCRWRD indicate that capacity is also available at manholes to the south along La Cholla Blvd., which may provide additional connection opportunities. Refer to *Exhibit P: Sewers*, for a map of existing sewer alignments.





1/4 MILE FROM
SUBJECT PROPERTY

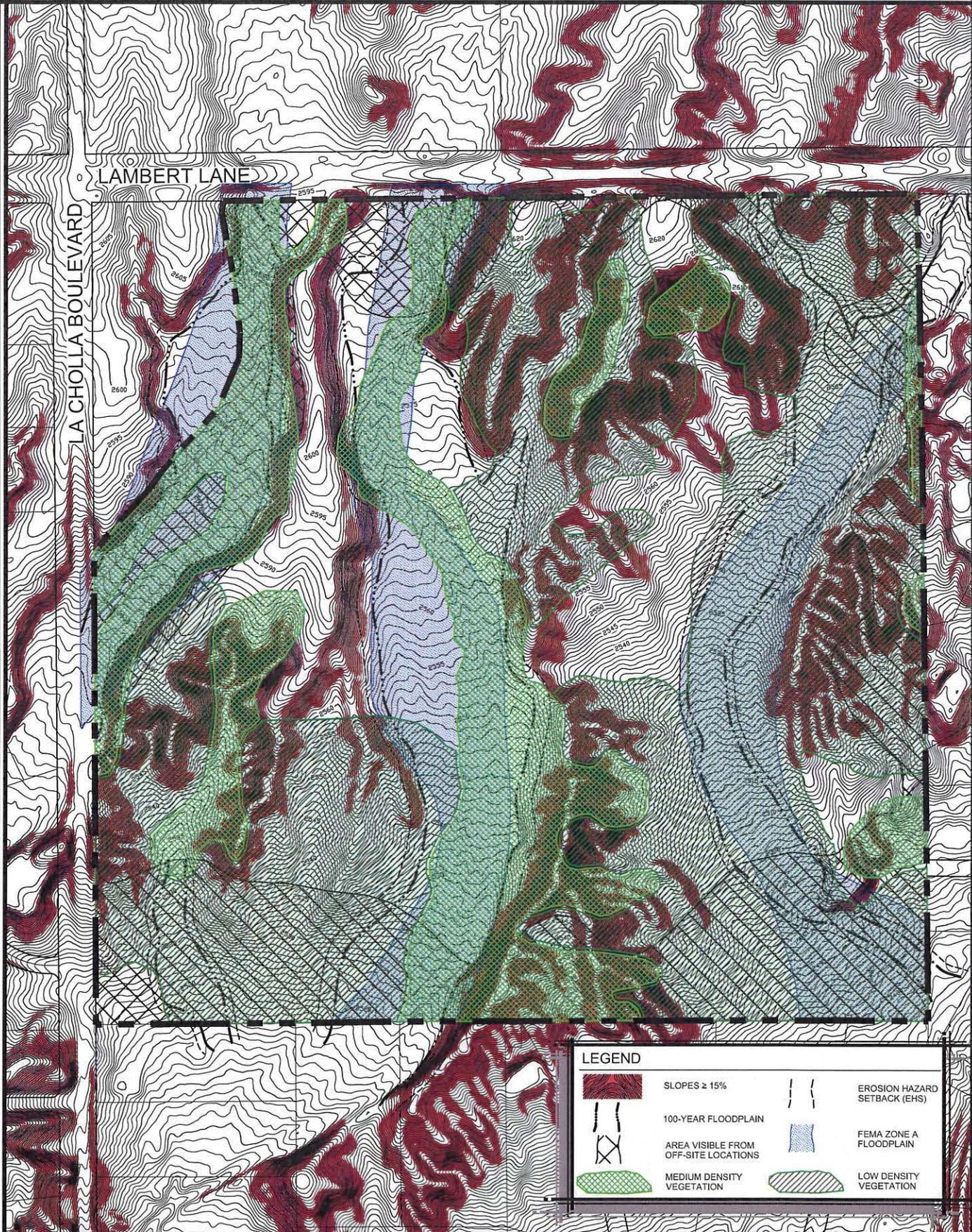
LAMBERT LANE

SUBJECT PROPERTY

LEADER MOOSE

LUCERO ROAD

HACIENDA HERMOSA

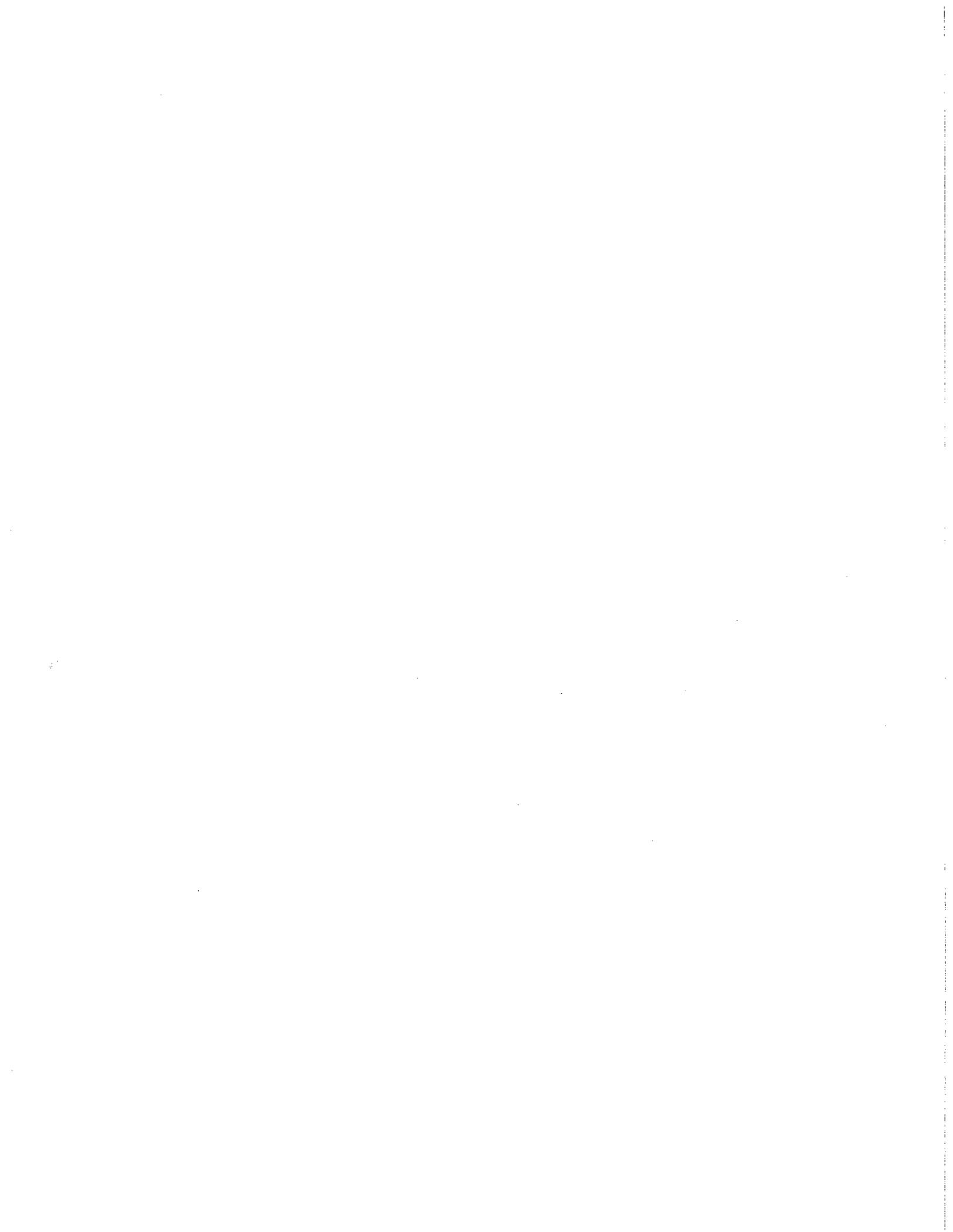


LAMBERT LANE

LA CHOLLA BOULEVARD

LEGEND

-  SLOPES ≥ 15%
-  100-YEAR FLOODPLAIN
-  MEDIUM DENSITY VEGETATION
-  EROSION HAZARD SETBACK (EHS)
-  FEMA ZONE A FLOODPLAIN
-  LOW DENSITY VEGETATION



PART II – LAND USE PROPOSAL

PROJECT OVERVIEW

The proposal is to rezone a 142± acre parcel of land for the future development of a cluster-oriented and environmentally sensitive neighborhood consisting of 91 single-family homes. The lots are proposed to be a minimum of 10,000 square feet in size, but with most lots being at least one-half acre each. The neighborhood has been designed to blend with the natural constraints of the site. A minimum 150-foot buffer is provided along the southern and eastern boundaries of the site. Due to the environmental constraints, many of the homes proposed along the eastern boundary of the project will be constructed in excess of 600 feet from that property line.

As previously stated, the 2005 Town of Oro Valley General Plan designation for the site is Low Density Residential (LDR-1). LDR-1 allows for a range of 0.4-1.2 dwelling units per acre. We are proposing to rezone the site from R1-144 to R1-43. This proposed development is within the density range allowed under the existing LDR-1 General Plan designation.

The Tentative Development Plan (TDP) is consistent with the requirements of the Conservation Subdivision Design section of the ESLO (27.10.D.f.2.d.ii) by proposing the following:

- A development arranged in a manner that conserves the identified resources, such as riparian habitat and significant slopes/hillsides, with minimal disturbance;
- A lot layout that has been consolidated to a greater extent than what is perceived under Section 23.4, Table of Dimensional Requirements, through the use of the Flexible Development provisions available as a result of the substantial conservation of the site through open space;
- Almost 80% of the proposed lots adjoin open space areas; and,
- An emphasis on preserving the riparian corridors to promote viable wildlife use and movement.

As part of this rezoning application, the subject property seeks to utilize some of the Flexible Development provisions available as part of the sites participation in the Environmentally Sensitive Lands Ordinance (ESLO)(Section 27.10.F.2.c).

ESL Incentives Request:

ZONING INCENTIVES (SECTION 27.10(F)(2)(C)(III))	
✓	(a) Building Setbacks
--	(b) Landscape Buffer Yards
✓	(c) Minimum Lot Size
--	(d) Off-street Parking
✓	(e) Building Height
--	(f) Open Space
--	(g) Mixed Use
✓	(h) Modified Review Process
✓	(i) Recreation Area Credit
✓	(j) Native Vegetation Preservation

Section 27.10(F)(2)(b) – Applicability:

- i. *The following design options may be applied to property or portions of property when ESOS is applied to twenty-five (25%) or more of a project site, except as provided herein.*

ESOS Total for site = ~71%

- (a) Building Setbacks: Per Section 27.10(F)(2)(b) – Applicability, and the use of a Conservation Subdivision Design for a reduced minimum lot size of no less than 3,000 square feet, we request that the side setbacks be reduced to no less than five (5) feet, front setbacks be reduced to no less than ten (10) feet for the use of side entry garages, and the rear setbacks be reduced to twenty (20) feet – consistent with zoning districts with comparable lot sizes. This request will not result in an on-lot driveway length of less than twenty (20) feet. This request will allow for the residential subdivision to incorporate more diverse details and massing conditions, which will lead to a more attractive and varied streetscape. The reduced setbacks will allow for the maximization of continuous protected open space, as well as reduce the amount and improve the efficiency of necessary, critical infrastructure systems.
- (c) Minimum Lot Size: Per Section 27.10(F)(2)(b) – Applicability, and Section 27.10(F)(2)(d)(iii)(c) – Lot Size Reduction, we request the ability to reduce the minimum lot size to no less than 10,000 square feet. The site contains ~71% ESOS, exceeding the 66% ESOS requirement. The reduction in lot size allows for the clustering of development, an instrumental element of the Conservation Subdivision Design. Lot Size Reduction allows for the maximization of continuous protected open space, as well as reduce the amount and improve the efficiency of necessary, critical infrastructure systems.
- (e) Building Height: Per Section 27.10(F)(2)(b) – Applicability, we request the ability to raise the building height limit of 18 feet (per the R1-43 zoning), to 20 feet for single story single family residences, and 28 feet for two story single family residences. These height requests have been

demonstrated using representative story poles during a publicly posted neighborhood meeting on February 10, 2015. The increase in building height allows the future developer/builder to meet the current market demands of homebuyers wants and needs in terms of both living space and design, while adequately providing enough pitch for structural integrity and drainage. It is important to note that some of the lots have been restricted to single story homes based on feedback received from neighbors. These lots are noted as such on the TDP, refer to *Exhibit R: Tentative Development Plan*.

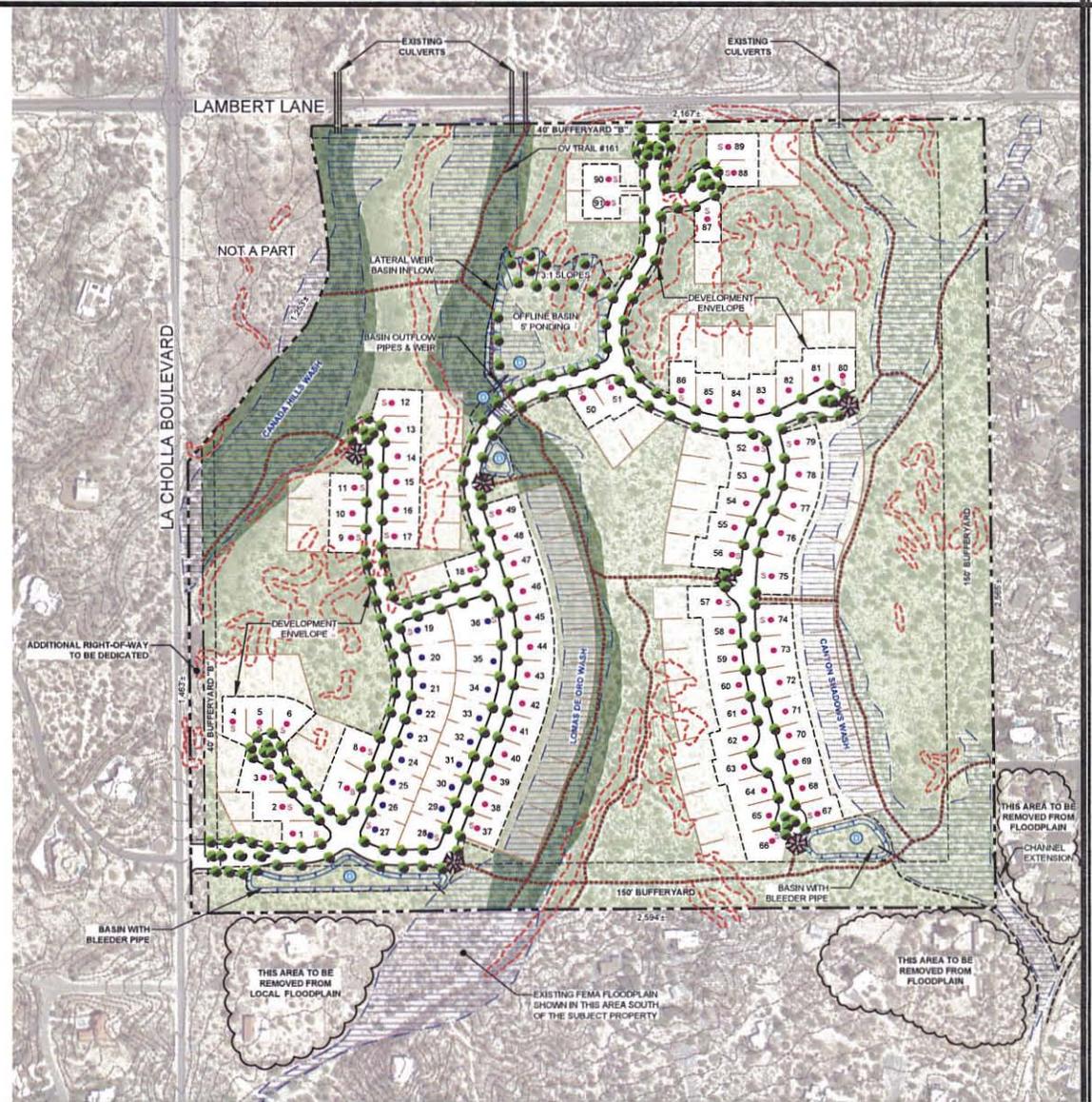
- (h) Modified Review Process: Per Section 27.10(F)(2)(b) – Applicability, we request the use of the Modified Review Process for site plans and preliminary plats submitted in conformance with the approved Tentative Development Plan. The site contains ~71% ESOS, providing for minimal impact on neighboring developments and maximizing continuous protected open space.
- (i) Native Vegetation Preservation: Per Section 27.10(F)(2)(b) – Applicability, we request the right to waive the requirements for native plant salvage and mitigation within the development envelope. The site contains ~71% ESOS, exceeding the 50% minimum requirement. The use of the modification will not be applied to areas of distinct vegetation or native plants that are considered threatened or endangered.
- (j) Recreation Area Credit: Per Section 27.10(F)(2)(b) – Applicability, we request that the passive and/or active recreation amenities located within the ESOS resource management area be credited toward the residential recreation area requirements. The proposed recreation areas satisfy the locational requirements of Section 26.5, Provision Recreational Area, and connectivity between the recreation areas and open space has been maintained.

LEGEND

- Ⓧ Proposed Basin Location
- Proposed Trail w/ Seating Nodes (15' Easement)
- ESL Critical Resource Areas: Preservation Required 17.5± Ac. (95%)
Preservation Provided 17.9± Ac. (97%)
- ESL Resource Management Area Tier 1: Preservation Required 81.4± Ac. (66%)
Preservation Provided 82.5± Ac. (67%)
- ✦ Trailhead
- Proposed 100-Year Floodplain
- Existing Slopes Greater Than 25%
 - 86' x 254' (Min. ½ Acre): 73 Lots
 - 80' x 125' (Min. 10,000 SF.): 18 Lots
 - Single Story Restricted Lots (20')

GENERAL NOTES

- A. Property Size: 143.3± ac. (141.7± ac. net after ROW dedications).
- B. Existing General Plan Land Use: Low Density 1 (≤1.2 Homes per Acre).
- C. Zoning request: R1-144 to R1-43.
- D. Gross Residential density: 1.7 Acres per Home.
- E. Residential lots: 91 (Min. = 80' x 125', Typ. = ½ Acre).
- E. Open Space / Common Area: 106.9± ac. (~75% of Site).
ESOS Provided: 100.4± ac. (~71% of Site).
- F. The future HOA of this development will be responsible for the permanent protection of the ESOS on this site.
- G. Lighting at the recreation area will be shielded to minimize impacts to the adjacent wash.
- H. Water service provider: Oro Valley Water.
- I. Corner lots will be restricted to single-story.
- J. No more than 2 two-story homes shall be located side-by-side on the same street.
- K. Oro Valley Trail #161 will be protected as a non-motorized public access trail easement.
- L. ESLO Zoning Incentives (Section 27.10)
 1. Building Setbacks:
Front = 10'; Side = 5'; R = 20'
 2. Minimum Lot Size: 10,000 S.F.
 3. Building Height: 20' (1-Story) & 28' (2-Story).
 4. Modified Review Process
 5. Recreation Area Credit
 6. Native Vegetation Preservation

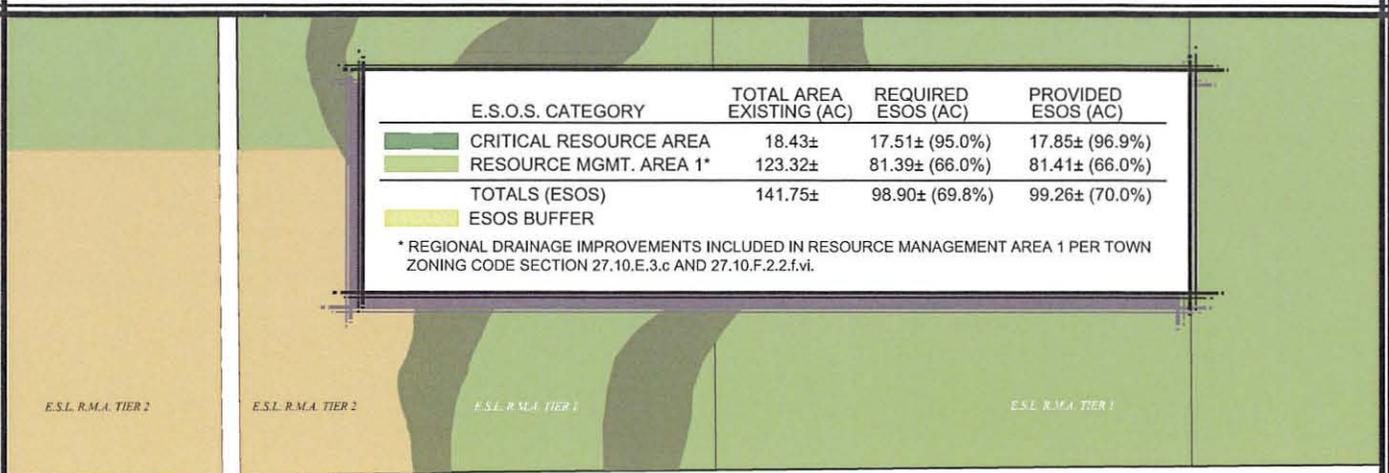


INSERT POCKET for 24x36 Tentative Site Plan



E.S.O.S. CATEGORY	TOTAL AREA EXISTING (AC)	REQUIRED ESOS (AC)	PROVIDED ESOS (AC)
CRITICAL RESOURCE AREA	18.43±	17.51± (95.0%)	17.85± (96.9%)
RESOURCE MGMT. AREA 1*	123.32±	81.39± (66.0%)	81.41± (66.0%)
TOTALS (ESOS)	141.75±	98.90± (69.8%)	99.26± (70.0%)
ESOS BUFFER			

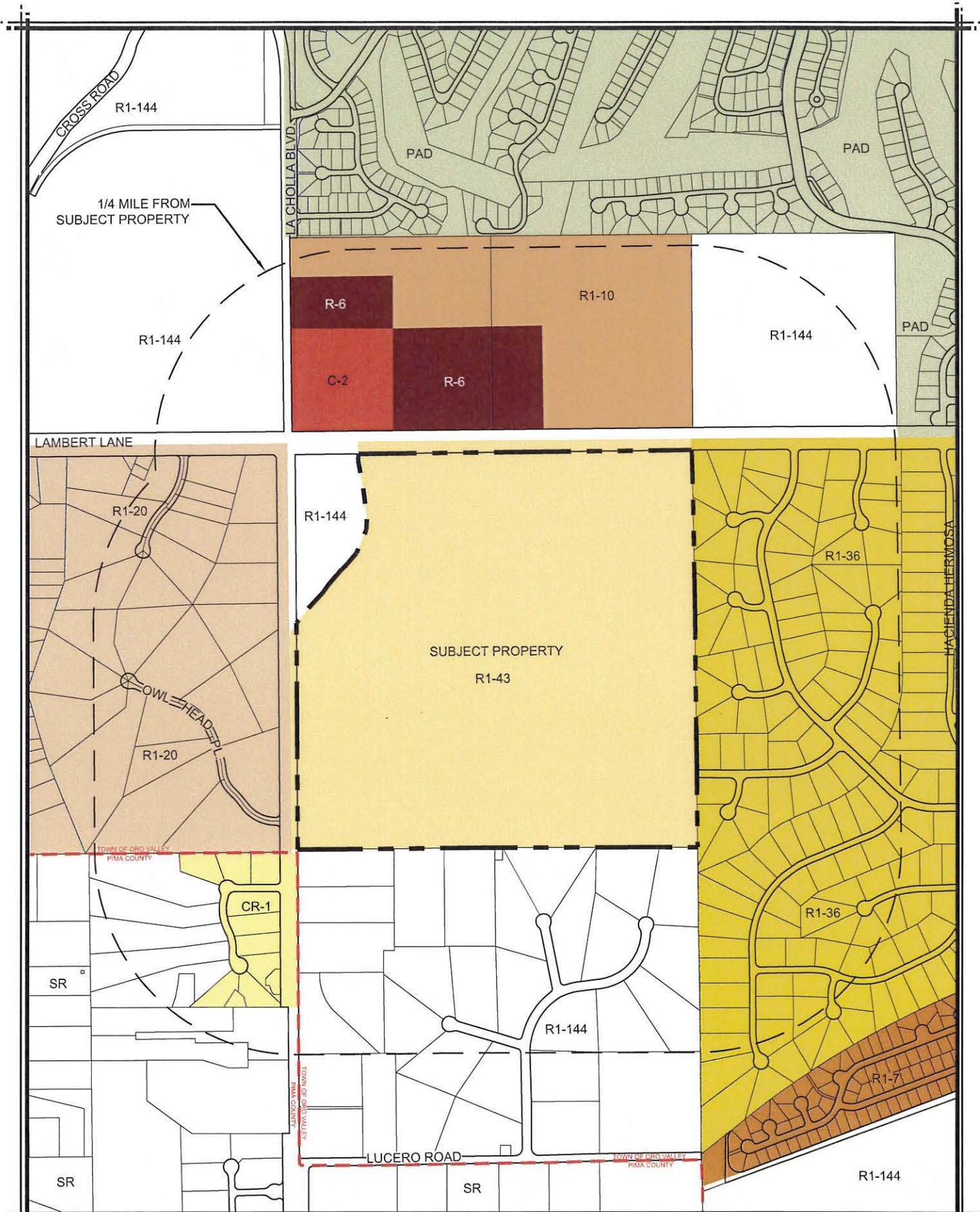
* REGIONAL DRAINAGE IMPROVEMENTS INCLUDED IN RESOURCE MANAGEMENT AREA 1 PER TOWN ZONING CODE SECTION 27.10.E.3.c AND 27.10.F.2.2.f.vi.



- NOTE:**
- THERE ARE NO MAJOR OR MINOR ROCK OUTCROPS, DISTINCTIVE NATIVE PLANT STANDS OR DISTINCTIVE NATIVE PLANTS WITHIN THE SITE BOUNDARY.
 - THE FUTURE HOA OF THIS DEVELOPMENT WILL BE RESPONSIBLE FOR THE PERMANENT PROTECTION OF THE ESOS ON THIS SITE.

II-A. Land Uses

1. The proposed land use is a single family residential neighborhood designed to respect the physical constraints of the site. Refer to *Exhibit T: Proposed Zoning*.
2. The proposed development has no effect on existing onsite land uses since the land is currently vacant. The proposed neighborhood will be visible to a few of the surrounding properties. Visual impacts have been mitigated by providing a minimum of a 150-foot buffer along the southern and eastern boundaries. The development will be cluster oriented and have additional screening provided by the natural topography of the site. The new neighborhood streets will not connect to any of the surrounding subdivisions, and therefore will not cause any vehicular traffic increases to their respective local roads. A traffic study has been prepared, and the proposed neighborhood will provide the required mitigation measures to offset any impacts that may be imposed onto the surrounding roads.



II-B. Topography

The Tentative Development Plan (TDP) avoids extensive disturbance of washes and the major slopes found along their banks. Minor disturbance is proposed for roadway and utility crossings. Nearly 70% of the project area will remain as natural open space. The most significant slopes will largely remain within the undisturbed areas, with development clustered in areas of smoother topography. The proposed regional basin described below will require encroachment into a small hillside in the northern portion of the property that is minimally visible from nearby offsite areas.

II-C. Hydrology

The site layout will impact hydrologic characteristics such as impervious cover and floodplain encroachment. As a result of the increased impervious cover, detention basins will be constructed to detain the increased flows, and will feature outlet structures (weirs, culverts or catch basins) to discharge the basins as a metered flow rate no greater than existing conditions peak stormwater runoff rate except for the Lomas de Oro Wash, which will have its flows reduced as described below. Detention basins will be spread throughout the development so as to minimize their visual impact. Some of the more significant potential basin locations have been depicted on the Tentative Development Plan. Where roadway crossings are proposed, culverts or bridges will be employed to convey stormwater past the crossings.

The project will address not only onsite flows that will be produced by the increase in impervious surfaces, but also the flows entering the site from the north. The project will be designed to avoid negatively impacting upstream and downstream properties by including offsite drainage improvements necessary to control the existing flooding problems experienced by residents downstream of the project along the Canyon Shadows Wash. The project will also provide better management of local tributaries to the Lomas de Oro Wash, as described below. Maintenance of all drainage improvements proposed as part of this development will be the responsibility of the HOA, except for the largest regional offline basin, which will be the responsibility of the Town of Oro Valley.

In the eastern portion of the property where the Canyon Shadows Wash flows, offsite improvements will include a drainage channel that will connect to the existing channel located approximately 300 feet southeast of the project. This proposed channel will allow the developer to process a CLOMR and LOMR with FEMA to officially remove those three residences from the FEMA flood hazard zone.

In the western portion of the project where the Lomas de Oro Wash flows, several drainage improvements are proposed to improve the downstream flooding conditions that currently impact residential parcels south of the subject property. Most importantly, a large, regional basin will be installed in the northern portion of the property. The basin will be designed to reduce the 100-year peak flow by 10%, per request by the Town Engineer, and will be dedicated to the Town. The basin will have a maximum ponding depth of approximately five feet, which the Town Engineer has authorized in this case. In addition, the basin's size will require relief from the Code limitations on maximum cut depth. An in-line detention basin north of the proposed roadway crossing will also provide flow reduction. No FEMA applications will be filed

for the Lomas de Oro Wash. However, local regulated floodplains that currently impact the areas west of the Lomas de Oro will be detained within the development, and routed to the Lomas de Oro in a way that contributes to the overall reduction in peak flows leaving the project.

II-D. Vegetation

Vegetation within the three primary wash corridors onsite, as well as much of the vegetation in the northern and eastern portions of the site, will be preserved in its natural condition. Where development is proposed, native plants will be inventoried, and viable specimens will be transplanted per the Town's native plant preservation ordinance.

II-E. Wildlife

With the exception of required flood control protection, and road and utility crossings, the Environmentally Sensitive Lands Critical Resource Areas will remain undisturbed. The project will not restrict wildlife movement through the site. Additionally, no direct access to the washes will be allowed from individual back yards.

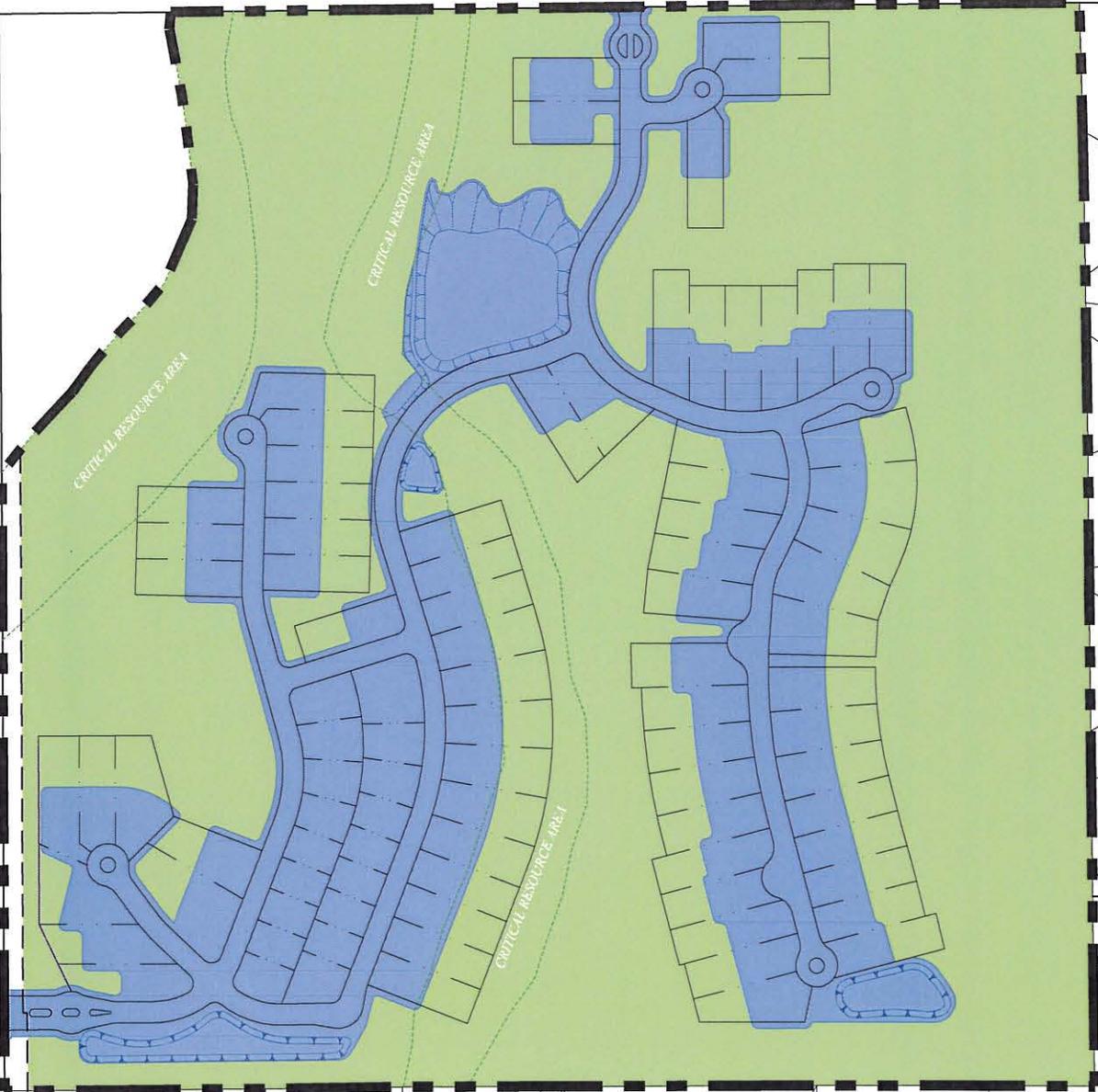
II-F. Buffer Plan

A minimum 150-foot wide open space buffer is proposed along the southern and eastern boundaries of the property where the project is adjacent to larger lot residential. The eastern side of the property is constrained by topography and wash area. The majority of the lots on the east side of the project will be located in excess of 600 feet from the adjacent neighborhood. From the site boundary one lot will be located approximately 40 feet from the Lambert Lane right-of-way and two lots will be located approximately 40 feet from the La Cholla Blvd. right-of-way. Landscape buffer yards will be installed per Town requirements. The purpose of these buffers is to provide a reasonable level of visual screening and setback between the development and adjacent neighbors. Supplemental landscaping and structural screening will be installed beyond the open space buffers as needed.

LEGEND:		TOTAL AREA
	PROPOSED GRADED AREA	46.9± AC. (33.1±%)
	PROPOSED UNDISTURBED AREA	94.8± AC. (66.9±%)
	CRITICAL RESOURCE AREA	

LAMBERT LANE

LA CHOLLA BOULEVARD



II-G. Viewsheds

The Tortolita Mountains to the northwest are slightly visible from the subject property. The Santa Catalina Mountains, including Pusch Ridge, to the east and southeast are highly visible from the subject property. Due to the undulating terrain, rolling hills, and generally lower elevation of this site (relative to neighboring properties), views of the mountains will be minimally impacted by the proposed development. There are no views or vistas from areas beyond adjacent properties that may be noticeably affected by the development of the site. The views from existing residential subdivisions surrounding the subject property will not be adversely affected by the proposed development.

II-H. Traffic

The project will be accessed from both Lambert Lane and La Cholla Boulevard. Both entrances will be gated. Improvements will be made as determined by a traffic report prepared during the Conceptual Site Plan review and approval process. The proposed private streets will follow the existing landform and will be constructed to the Town of Oro Valleys street standards. A preliminary Traffic Impact Analysis (TIA) has been performed by Southwest Traffic Engineering and submitted with this site analysis. In general, surrounding arterial intersections will continue to operate at an adequate level of service following the completion of the development. The TIA recommends that a southbound left turn lane be provided on La Cholla Boulevard for vehicles entering the project site at Owl Head Place; a westbound left turn lane be provided on Lambert Lane for vehicles entering the project site at the proposed northern driveway; and new stop signs installed for vehicles exiting the project site at both access intersections.

II-I. Recreation and Trails

The Eastern Pima County Trails Master Plan calls for a single track trail, #161 to traverse the site in a north-south direction. The development will provide an easement for this trail. Pedestrian connections will be placed throughout the open space and common areas. These paths will connect the wash areas running through the property and potentially to West Lambert Lane Park, located northeast of the site. Sidewalks will be located along all residential streets within the development and will provide pedestrian connections to the trails throughout the site via a series of trailheads as shown on the TDP.

II-J. Cultural/Archaeological/Historic Resources

1. Please refer to *Exhibit N: Arizona State Museum Records Check Letter*.
 - a. Determine whether the site has been field surveyed for cultural resources.

The subject property has been field surveyed for cultural resources. Tierra Archaeological Report No. 2015-012, dated March 12, 2014, was completed by Tierra Right of Way Land Services and submitted to the Town for review along with this Site Analysis.

The report summarizes that two (2) historic isolated occurrences were recorded within the site boundaries, and neither of the isolated occurrences meet the criteria of significance for inclusion on the National Register of Historic Places (NHRP). The report recommends that the proposed development will have no impact and the project be allowed to proceed without further archaeological work required.

See *Exhibit N: Arizona State Museum Records Check Letter*. According to the letter, thirty-five archaeological inspections were completed within one mile of the proposed project between 1976 and 2011.

- b. Identify any previously recorded archaeological or historic resources known to exist on the property.

According to the Arizona State Museum, no historic sites are known to exist on the subject property but three are recorded within one mile of the site, including a transmission line and prehistoric site.

- c. State the probability that buried archaeological resources not visible from the surface would be discovered on the site

A cultural resources survey was conducted. Tierra Archaeological Report No. 2015-012, dated March 12, 2014, concludes that neither of the isolated occurrences meet the criteria of significance for inclusion on the NRHP. The reports recommendation implies that the probability that the presence of buried archaeological resources is very small and unlikely. In accordance with Section 41-865 of the Arizona Revised Statutes, if remains are encountered during ground-disturbing activities, all ground-disturbing activities will cease until so directed by ASM personnel.

A treatment plan is not recommended for subject property.

II-K. Schools

The Amphitheater Unified School District uses a student generation factor of 0.2075 per home for elementary students, 0.2197 per home for middle school students and 0.1282 per home for high school students. This project's anticipated 91 homes would have an impact of 19 elementary students, 20 middle school students and 12 high school students. There is one school within mile radius of the proposed development. Casas Adobes School is located approximately ¼ mile to the northwest the project site. Ironwood Ridge High school is located just over one mile northwest of the project site.

II-L. Water

The subject property will be served by Oro Valley Water. Offsite infrastructure extensions will be necessary and will be built at the sole expense of the developer. The nature of offsite improvements will be determined during the platting process.

II-M. Sewers

Pima County Regional Wastewater Reclamation Department has issued the developer a Type I Sewerage Capacity Investigation letter, verifying that capacity is available to publicly serve the proposed development. The project will need to connect to the 8" sanitary sewer line S-508-006, at the SE corner of the site, at manhole 8904-28. Verbal discussions with PCRWRD indicate that capacity exists at manholes to the south of the project along La Cholla Blvd. We are currently determining if this route would be a better option for the project. *Refer to Exhibit V: Pima County Regional Wastewater Reclamation Dept. Capacity Response Letter.*

II-K. Schools (Continued)

Exhibit V: Amphitheater School District Capacity Response Letter:



OFFICE OF LEGAL COUNSEL

Todd A. Jaeger, J.D.
Associate to the Superintendent
(520) 696-5156
FAX (520) 696-5074

701 W. Wetmore Road • Tucson, AZ 85705 • (520) 696-5000 • TDD (520) 696-5055

GOVERNING BOARD MEMBERS

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Scott A. Leska

SUPERINTENDENT
Patrick Nelson

April 3, 2015

Robert Kirschmann
Staff Planner
The WLB Group, Inc.
4444 E Broadway Blvd
Tucson AZ 85711-3508

RE: Proposed Development of approximately 154 single family homes on approximately 141 acres within the Amphitheater District South of Lambert Lane/East of La Cholla Boulevard

Dear Mr. Kirschmann:

I am responding to your request for information regarding the capacity of Amphitheater schools impacted by your proposed development.

Using 2000 demographic multipliers developed by the U.S. Department of Census, Bureau of Census, and adjusted for Amphitheater District's school organizational patterns, we project the following student populations to result from this project when built:

<u>Academic Level</u>	<u>154 Single Family Homes</u>
Elementary	32
Middle	34
High School	20

The census multipliers we use to obtain these projections are 0.2075 elementary students per household, 0.2197 middle school students per household and 0.1282 high school students per household.

The capacity noted below is based on school enrollment as of March 31, 2015. The schools which would be impacted by your project's proposed enrollment are listed below, along with the physical capacity available at each school *presently*. Please note that these schools will also be impacted by other developments in this area which may have already been approved by the Council but which are not yet built.

Amphitheater High • Canyon del Oro High • Ironwood Ridge High
Amphitheater Middle School • Coronado K-8 School • Cross Middle School • La Cima Middle School • Wilson K-8 School
Copper Creek Elementary • Donaldson Elementary • Harrelson Elementary • Holaway Elementary • Kading Elementary • Mesa Verde Elementary
Nash Elementary • Painted Sky Elementary • Prince Elementary • Rio Vista Elementary • Walker Elementary • Rillito Center • El Hogar

II-K. Schools (Continued)

Exhibit V: Amphitheater School District Capacity Response Letter:

<u>School Name</u>	<u>School Capacity</u>	<u>Spaces Currently Available</u>
Mesa Verde Elementary	700	330
Cross Middle	900	218
Canyon del Oro High	2500	881

If I can provide any additional information, please feel free to contact me.

Sincerely,

Connie R. McFarland
Legal Assistant to Todd A. Jaeger, J.D.

II-M. Sewers

Exhibit W: Pima County Regional Wastewater Reclamation Dept. Capacity Response Letter:



REGIONAL WASTEWATER RECLAMATION DEPARTMENT
201 NORTH STONE AVENUE
TUCSON, ARIZONA 85701-1207

JACKSON JENKINS
DIRECTOR

PH: (520) 724-6500
FAX: (520) 724-9635

August 1, 2014

LINDA THOMPSON
THE WLB GROUP, INC.
4444 E BROADWAY
TUCSON, ARIZONA 85711

Sewerage Capacity Investigation No. 2014-167 Type I

**RE: Lambert and La Cholla SEC, Parcel 224390020
Estimated Flow 23,328 gpd (ADWF).**

Greetings:

The above referenced project is tributary to the Ina Road / Tres Rios Wastewater Reclamation Facility via the Canada Del Oro Interceptor.

Capacity is currently available for this project in the public sewer S-508-006, downstream from manhole 8904-28.

This letter is not a reservation or commitment of treatment or conveyance capacity for this project. It is an analysis of the system as of this date and valid for one year. Allocation of capacity is made by the Type III Capacity Response.

If further information is needed, please feel free to contact us at (520) 724-6642.

Reviewed by: Kurt Stemm CEA

APPENDICES



JE FULLER REPORT

**OFFSITE DRAINAGE ANALYSIS FOR:
LA CHOLLA AND LAMBERT SEC**

**A PROPOSED SUBDIVISION LOCATED IN THE NORTHWEST 1/4 OF SECTION 15, T-12-S, R-13-E,
G.&S.R.M., ORO VALLEY, ARIZONA**

Prepared for:

Future Arizona Inc.
1555 N Astor Street
Chicago, IL 60610
Contact:
Mr. Peter Fasseas

By:

JE Fuller Hydrology & Geomorphology Inc.
40 E Helen Street
Tucson, Arizona 85705
520-623-3112

May 2015



Expires 3/31/2018



JE FULLER
HYDROLOGY & GEOMORPHOLOGY, INC.

Offsite Drainage Analysis for La Cholla and Lambert SEC

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Appendix A.	Exhibits
Appendix B.	Existing Conditions FLO-2D Model

1 Introduction

1.1 Project Location and Description

JE Fuller has prepared this report for Future Arizona, Inc. and the WLB Group to assist them plans for a parcel of land located at the southeast corner of La Cholla Blvd. and Lambert Lane. This report addresses offsite drainage hydrology, presenting the results of a 100-year storm analysis with the FLO-2D model.

Figure 1 on Page 2 shows the project location. Figure 2 shows an overview of the watershed.

1.2 Scope of Work

Offsite drainage in the existing condition was defined using the FLO-2D program. The 100-year, 3-hour storm was modeled using standard procedures used on similar models throughout Pima County to determine the design discharges at the project boundary.

1.3 Overview of Existing Conditions and FLO-2D Analysis

Runoff drains into the project from the north, crossing Lambert Lane. The upstream watershed is relatively long (6.9 miles) and narrow (0.25-0.5 miles) and the flow paths transition from tributary flow patterns in the upper piedmont to a semi-distributary flow pattern near Moore Road. Flow patterns again become tributary as they enter the site.

FLO-2D was used to model this watershed because it is a coupled model which models rainfall runoff from discrete areas and then routes the runoff over a grid representing the terrain of the watershed. It was decided that this was a more appropriate approach than using a lumped parameter approach (HEC-HMS, etc.) which may oversimplify the watershed conditions and not account for the interweaving of flows within this watershed.

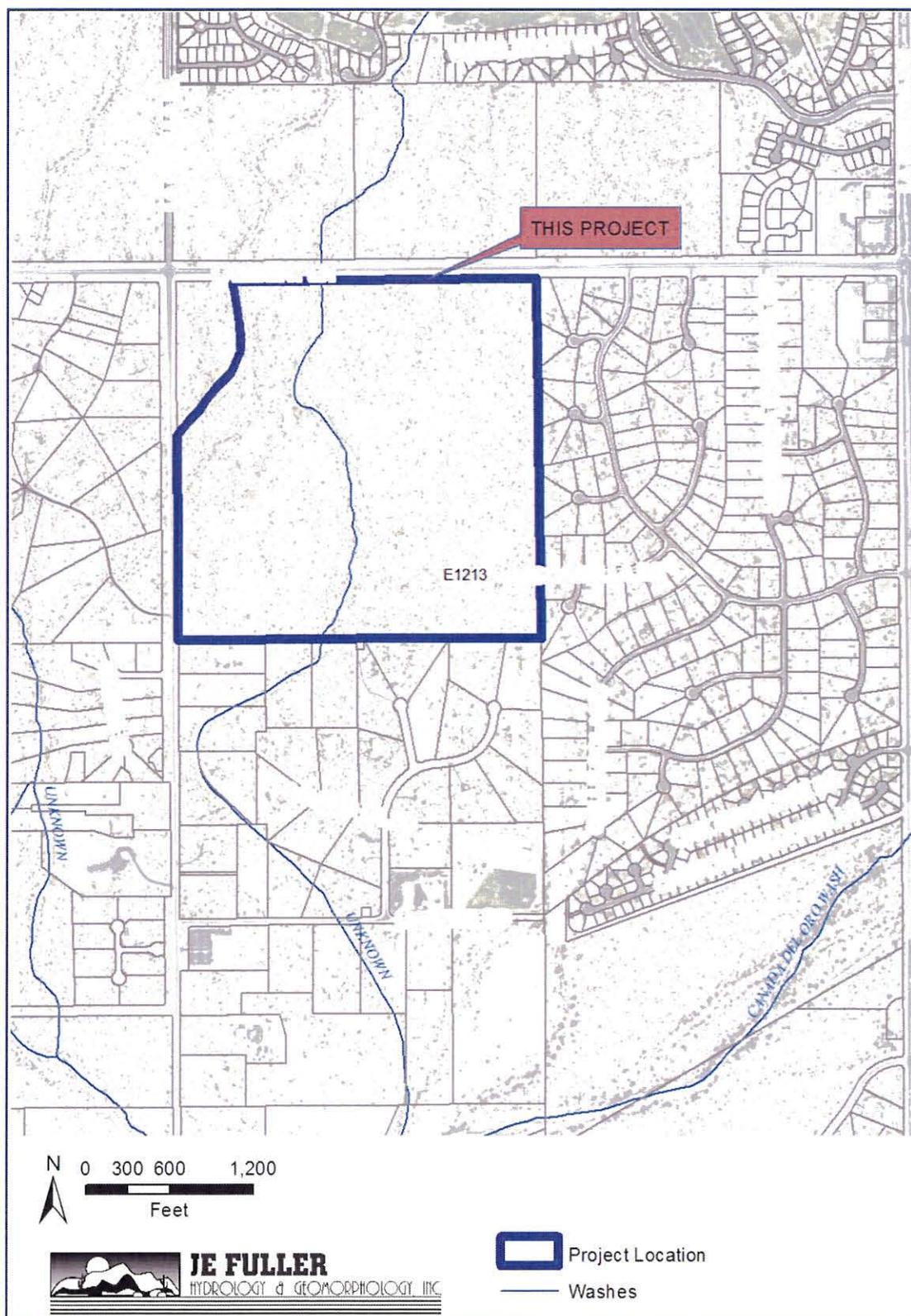


Figure 1. Project Location

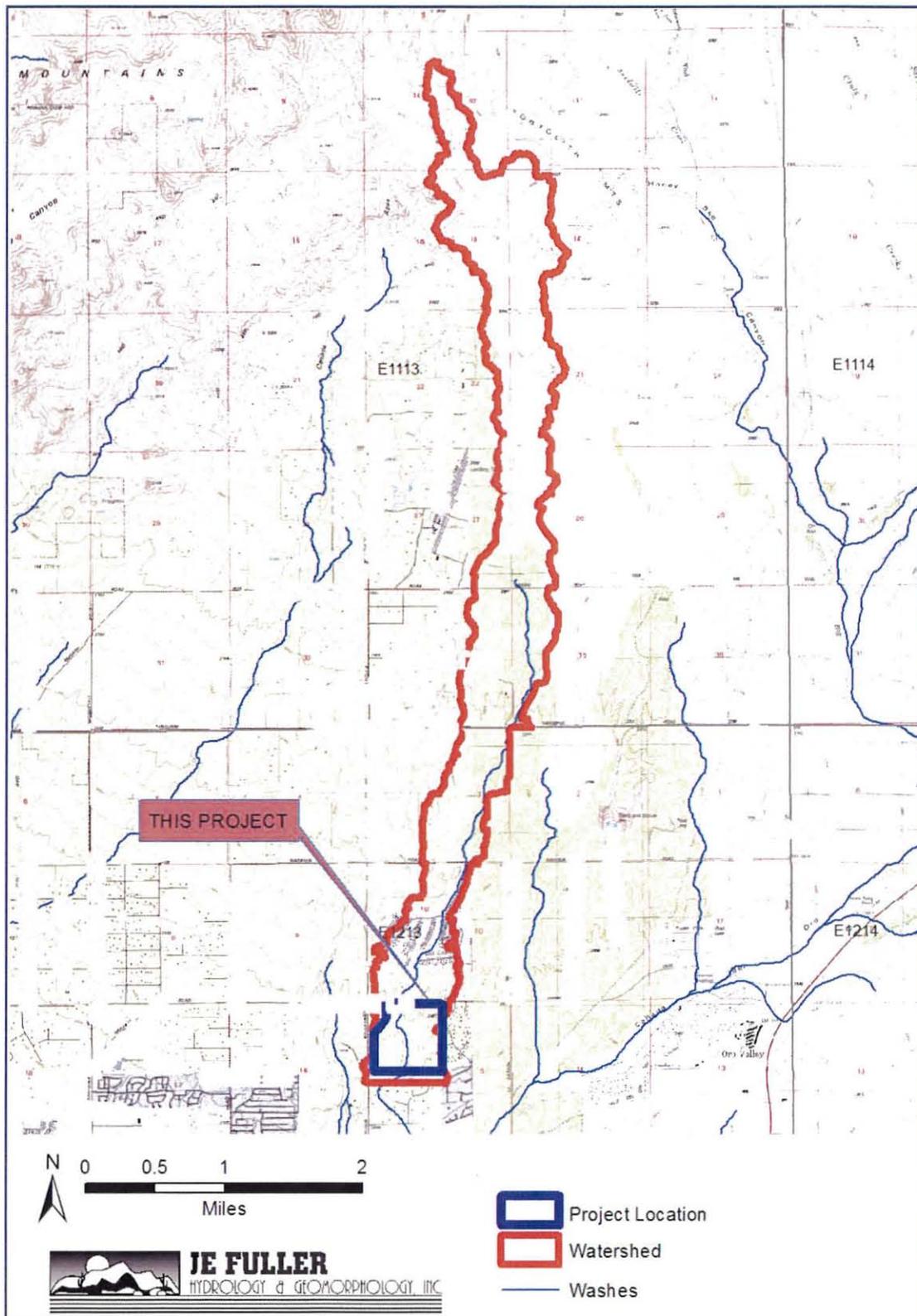


Figure 2. Watershed Map.

2 Existing Conditions FLO-2D Models

2.1 Overview

The existing conditions model prepared for this project has a 20-foot grid and utilizes PAG elevation data provided by the WLB Group. The 100-year 3-hour and 24-hour storms were modeled, however only the 3-hour storm is provided with this report.

2.2 Model Methodology

The procedure followed to develop the project FLO-2D model has been utilized by JE Fuller in a number of similar projects. The project FLO-2D model domain was developed to account for the incoming watershed, the project itself, and a short distance downstream of the project. A total of 238,199 grid elements were modeled, covering 3.4 square miles.

2.2.1 Elevations

Elevations for the project model were obtained from PAG elevation data provided by the WLB Group.

2.2.2 Rainfall

Rainfall was modeled using upper 90% NOAA [1] data. The rainfall depths are spatially distributed over the study area by sampling from NOAA provided rainfall raster data. The 100-year, 3-hour depth varies from 3.18 to 3.40 inches over the watershed. A uniform depth of 4.6 inches was identified for the 24-hour storm.

The 3-hour rainfall distribution is a SCS Type II distribution described in Pima County Tech Policy TECH-018, Acceptable Model Parameterization for Determining Peak Discharges. The 24-hour distribution is a SCS Type I distribution.

2.2.3 Infiltration

Infiltration was modeled using the Pima County SCS methodology within the FLO-2D model. This procedure requires three shape file layers to compute the Curve Number:

- Impervious cover, with values in the range of $0 < IMP < 1.0$. Impervious cover was defined within a shape file with these parameters:
 - Bare Earth: $Imp = 0.10$.
 - Residential Areas: $Imp = 0.30$ (assuming an average of 2 houses per acre).
 - Streets: $Imp = 0.95$.
- Land cover with cover density in the range of $0 < CD < 1.0$. Land cover was defined within a shape file with these parameters:
 - Golf Courses: Urban Lawn with 60% cover density.
 - All other areas: Desert Brush with 20 % cover density.
- Soils type. Soils data was obtained from Pima County via their shape file “

Curve numbers are computed for each grid element based upon soil type, vegetation type, vegetation cover density, and impervious cover percentage. Curve numbers vary from less than 78 in golf course areas to nearly 98 along road surfaces. These parameters are summarized within Figure 3.

2.2.4 Roughness

The Floodplain Manning's Roughness values were defined spatially with a shape file by identifying areas with similar characteristics as follows:

- Streets. $N=0.020$.
- Bare desert and/or undeveloped land. $N=0.045$.
- Drainage ways through development. $N=0.045$.
- Golf courses. $N=0.030$.
- Residential development. $N=0.085$.
- Upper slopes (steep slopes in upper watershed, north of Tortolita Mountain Ci. $N=0.065$).

By default, FLO-2D will address the roughness of the watershed using multiple parameters. The first is the floodplain roughness value (described above) which is applied to flow depths of 3.0 feet or more. The second parameter is the shallow roughness value, which is applied to depths of 0.5 feet or less. Roughness values in-between 0.5 and 3.0 feet are adjusted up from the roughness value with depths of 0.5 feet having a roughness value of approximately 1.4 times the defined value. This last parameter is called the Depth Varied Roughness. These parameters can be turned off and the model will apply the Floodplain Roughness Value to all flow depths.

It has been found in recent models that turning off the Depth Varied Roughness and the Shallow Roughness parameters leads to an increase in flow velocities, short times to peak, and ultimately higher discharges. Both approaches were followed for this project and it was found that turning off these two parameters generated the most conservative discharges, increasing them 15-20 percent versus using the standard procedures. The model provided with this report has the Shallow and Depth Varied Roughness Parameters turned off.

2.3 Special Considerations

The upstream watershed contains a number of culvert crossings. Unless culverts are placed into the model, water artificially ponds behind road crossings and excess attenuation occurs. The purpose of this study was to identify peak discharges at the project boundary, therefore it is not feasible to accurately define each of these crossings. Two methods exist to account for this issue. The first is to simply redefine the grid elevations so that flow crosses the road. The second is to define an assumed culvert crossing at these locations. This latter method was used and two generic rating tables were constructed in HY-8. One is a 10 foot wide by 6 foot high box, the other is a 20 foot wide by 6 foot high box. These sizes are typically larger than the actual culvert that is in the ground and therefore this is a conservative approach in regards to underestimating attenuation.

2.4 Results

The resulting discharges are shown on Exhibits 1 and 2, attached to this report within Appendix A. The 3-hour storm generated the highest discharges at all locations where flow recording cross sections were placed within the model. Table 1 records runoff volumes and peak discharges at key locations. Regulatory discharges enter the project at CP 120, CP 210, CP 310, and CP 320.

Table 1. FLO-2D Design Discharges and Runoff Volumes

Concentration Point / Point of interest	FLO-2D FPXSEC Cross Section ID	100 year, 3-hour discharge (cfs)	100 year, 3-hour runoff volume (ac-ft)
110	10	30	0.9
120	1	480	82.5
210	2	870	146.3
310	19	125	5.1
320	20	85	3.0
1110	13	430	81.1
1210	15	75	2.2
1220	16	35	1.0
1230	17	815	158.8
1310	18	325	14.9

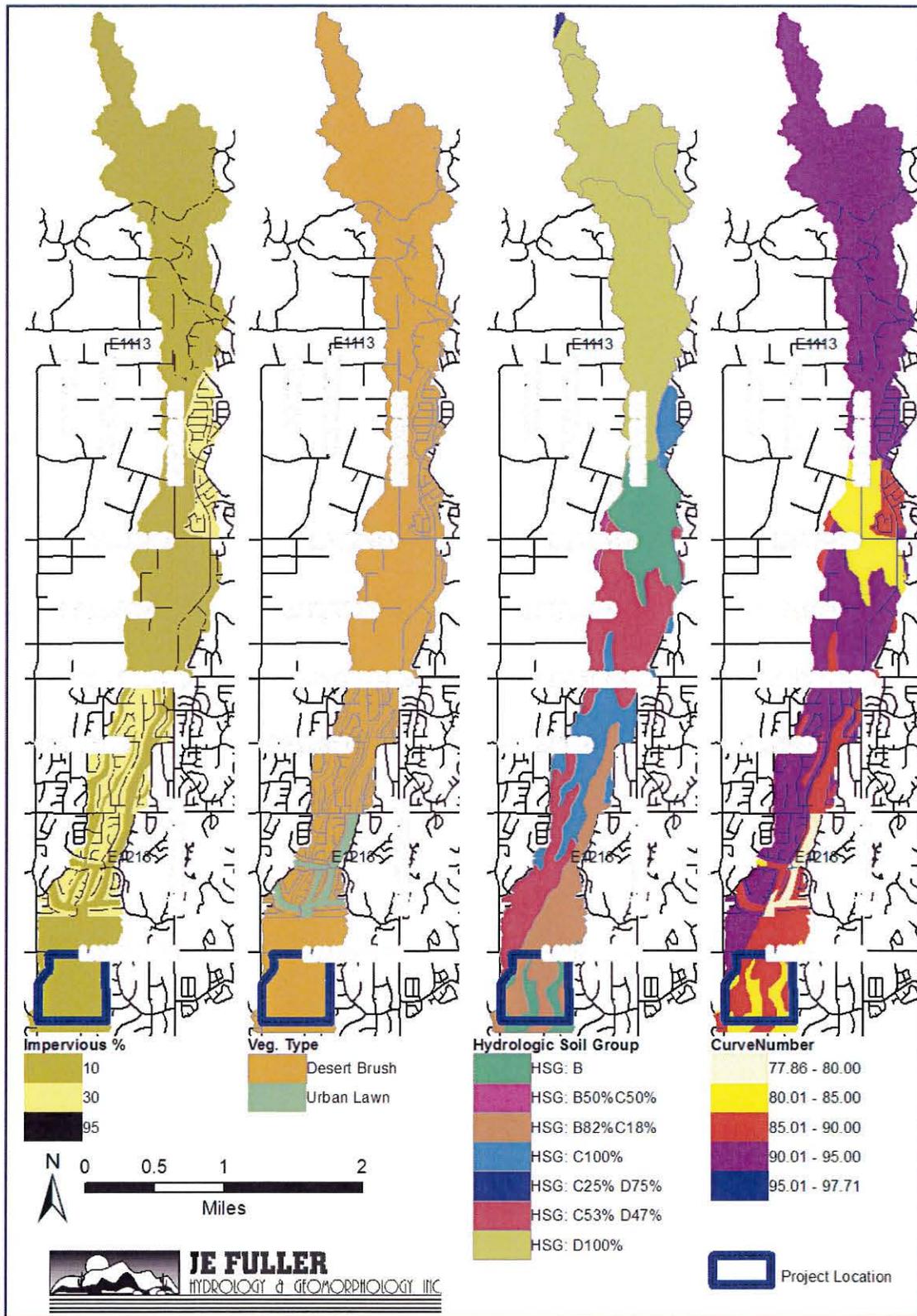


Figure 3. Landuse and Curve Number Overview.

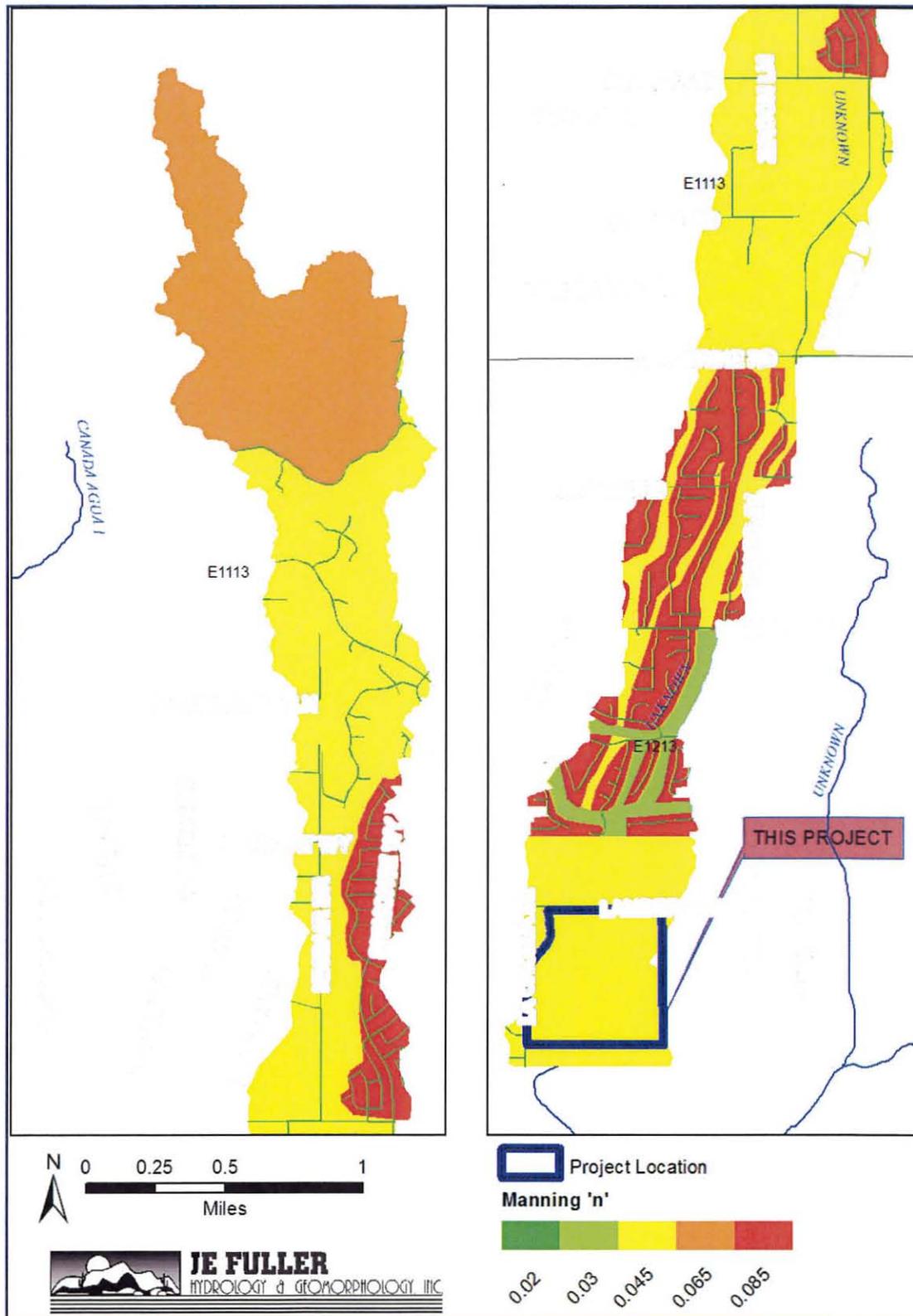


Figure 4. Manning's roughness.

3 Summary and Conclusions

This report presented the information necessary to define the design, 100-year discharges entering and exiting the project in the existing condition. The following is a summary of the technical information presented:

- Offsite drainage was computed with FLO-2D using a 20-foot grid.
- Runoff with discharges greater than 100 cfs enters into the site along the northern end of the project at four locations. Flow through the site generally heads south and exits at one location along the western boundary and 2 locations along the southern boundary.

4 References

- [1] National Oceanic and Atmospheric Administration, *NOAA ATLAS 14 Precipitation-Frequency Atlas Volume 1 Version 5.0: Semiarid Southwest (Arizona,,* <<http://hdsc.nws.noaa.gov/hdsc/pfds/index.html>>, 2011.

Offsite Drainage Analysis for La Cholla and Lambert SEC

**OFFSITE DRAINAGE ANALYSIS FOR:
SAHUARITA ACRES**

Appendix A. Exhibits

Exhibit 1. Existing Conditions FLO-2D Model - Overview

Exhibit 2. Existing Conditions FLO-2D Model – Project Level

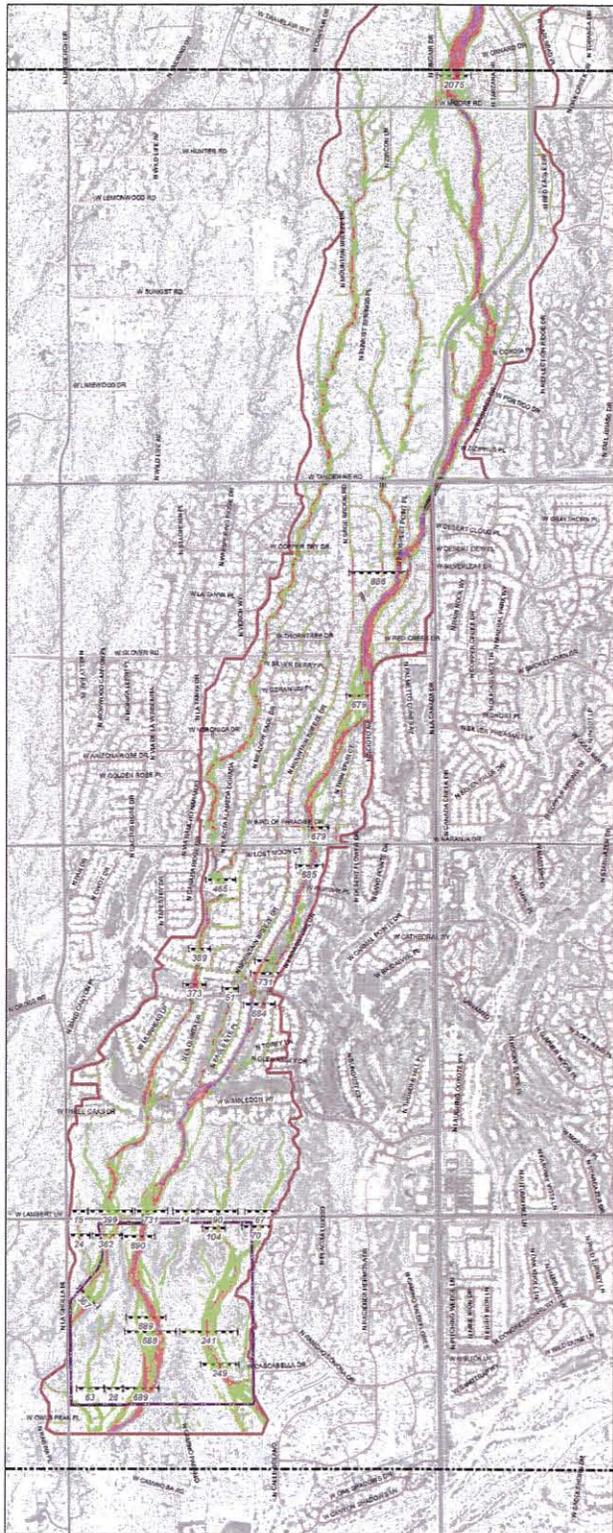
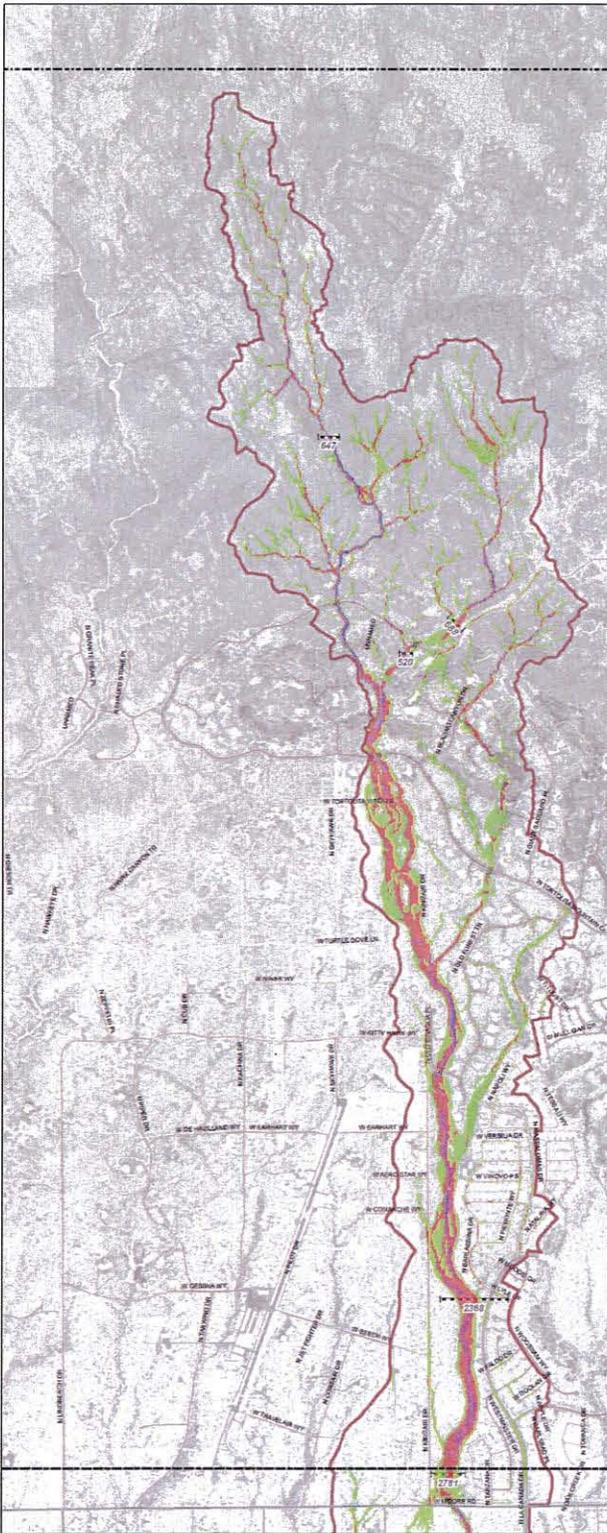
Offsite Drainage Analysis for La Cholla and Lambert SEC

**OFFSITE DRAINAGE ANALYSIS FOR:
LA CHOLLA AND LAMBERT SEC**

Appendix B. Existing Conditions FLO-2D Model

100-year 3-hour model:

WLB_FTTRAZ_100_03_AMANN=-99

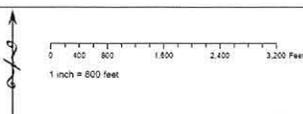


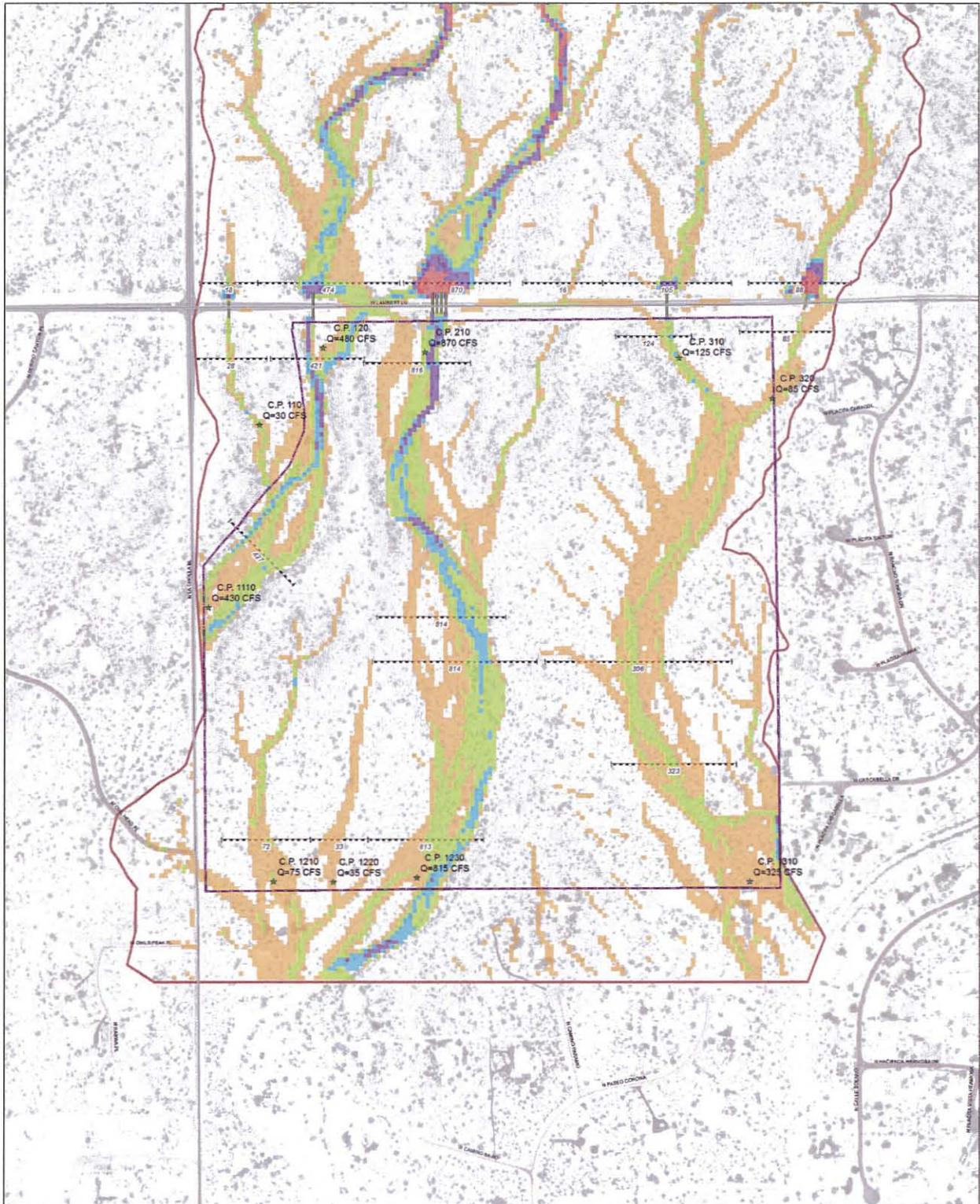
Legend

-  This project
 -  Parcels
 -  FLO-2D domain
 -  FLO-2D Flow Record With Design Discharge (cfs)
- | 100-year flow velocity (ft/sec) | |
|---|-----|
|  | <2 |
|  | 2-4 |
|  | 4-6 |
|  | 6-8 |
|  | >8 |

Exhibit 1: Existing Conditions FLO-2D Model - Overview

This exhibit shows the results of a FLO-2D model of the 100-year storm through the subject property. Elevation data is PAG 2008 DEM



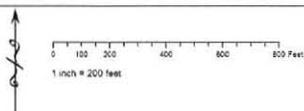


Legend

- This project
 - Parcels
 - FLO-2D domain
 - Culverts (approximate)
 - FLO-2D Flow Record With Design Discharge (cfs)
- | 100-year flow depth (feet) |
|----------------------------|
| 0.03 - 0.2 |
| 0.2 - 0.5 |
| 0.5 - 1 |
| 1.0 - 1.5 |
| 1.5 - 2.5 |
| >2.5 |

Exhibit 2: Existing Conditions FLO-2D Model

This exhibit shows the results of a FLO-2D model of the 100-year storm through the subject property. Elevation data is PAG 2008 DEM



JE Fuller HVO | ips
40 E. Helen St.
Tucson, AZ 85705
May 2015

PRELIMINARY TRAFFIC IMPACT ANALYSIS



TRAFFIC IMPACT ANALYSIS

LAMBERT LA CHOLLA

1 OCTOBER 2014



Expires 3-31-16

PREPARED FOR
THE WLB GROUP
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Appendix

Traffic Counts

Trip Generation Calculations

Capacity Calculations

Turn Lane Analysis



**TRAFFIC IMPACT ANALYSIS
PROPOSED NEIGHBORHOOD
SOUTHEAST OF LA CHOLLA BOULEVARD/LAMBERT LANE**

Executive Summary

The purpose of this traffic study is to evaluate the current and future transportation system within the project study area surrounding the site without and with the proposed neighborhood project and analyze traffic operations at the existing project study intersections.

Existing and Future Traffic Data Without Project

In order to document current traffic volumes, traffic counts were taken at the existing signalized intersection of La Cholla Boulevard/Lambert Lane as well as at the un-signalized intersection of La Cholla Boulevard/Owl Head Place.

The traffic counts included turning movement counts during the weekday AM and PM peak hours of 7:00 AM – 9:00 AM and 4:00 PM – 6:00 PM.

24 hour traffic counts were taken on Lambert Lane, east of La Cholla and on La Cholla, south of Lambert Lane.

Both of the existing study intersections and study roadway segments currently operate at an adequate level of service (LOS) during the weekday AM and PM peak hours and are predicted to continue doing so in 2016, without traffic from the project.

Future Traffic Data With Project

All of the existing study intersections and study roadway segments are anticipated to continue operating at an adequate LOS during the weekday AM and PM peak hours in 2016, with traffic from the proposed neighborhood project.

Turn Lane Analysis

The turn lane analysis shows that a southbound left turn lane is warranted at the intersection of South Driveway (Owl Head Place)/La Cholla Boulevard. A westbound left turn lane is warranted at the intersection of North Driveway/La Cholla Boulevard.

Recommendations

Exclusive left turn lanes should be provided for vehicles entering the project site at both access intersections.



New STOP signs and associated STOP bar pavement markings are recommended for both northbound vehicles exiting the project through the North Driveway and westbound vehicles exiting through the south driveway.

Another improvement which should be considered is removing impediments to driver sight lines. In particular, vegetation near the northwest and southwest corners of the intersection of La Cholla Boulevard/Owl Head Place should be removed to maximize driver visibility. In addition, sight distances at the future proposed access points and internal intersections should be verified during the design process.



**TRAFFIC IMPACT ANALYSIS
PROPOSED NEIGHBORHOOD
SOUTHEAST OF LA CHOLLA BOULEVARD/LAMBERT LANE**

Project Description

Future Arizona, LLC proposes a new residential development on an undeveloped piece of property located on the southeast corner of La Cholla Boulevard/Lambert Lane in Oro Valley, Arizona. The vicinity of the project is shown in **Figure 1**. The site is located as shown in **Figure 2**. The project will consist of 154 new single-family homes with an expected opening year of 2016. Access to the project site will be from the existing intersection of La Cholla Boulevard/Owl Head Lane as well as one new access point on Lambert Lane.

The purpose of this traffic impact analysis is to:

- Evaluate the future operational characteristics of the adjacent roadway network surrounding the project site.
- Estimate the traffic generation associated with the project and assign that traffic to the existing roadway system.
- Analyze traffic operations at the existing intersections of La Cholla Boulevard/Lambert Lane and La Cholla Boulevard/Owl Head Lane as well as an additional new project access point.
- Analyze traffic operations for the roadway segments of Lambert Lane, east of La Cholla Boulevard and La Cholla Boulevard, south of Lambert Lane.
- Determine the need for auxiliary turn lanes into the project site at the two access intersections.

The author of this report is a registered professional engineer (civil) in the State of Arizona having specific expertise and experience in the preparation of traffic impact analyses.

Study Methodology

In order to analyze and evaluate the potential traffic impacts of the proposed development, the following tasks were undertaken:

- Field observation of the proposed site and surrounding area was conducted to evaluate the existing physical and operational characteristics of the adjacent roadway network.
- Site traffic volumes generated by the proposed site were calculated using the *Institute of Transportation Engineers (ITE) Trip Generation Manual, 9th Edition, 2012*.
- Trip distribution assignments were made and used to assign the site traffic to the primary roadways within the project study limits.

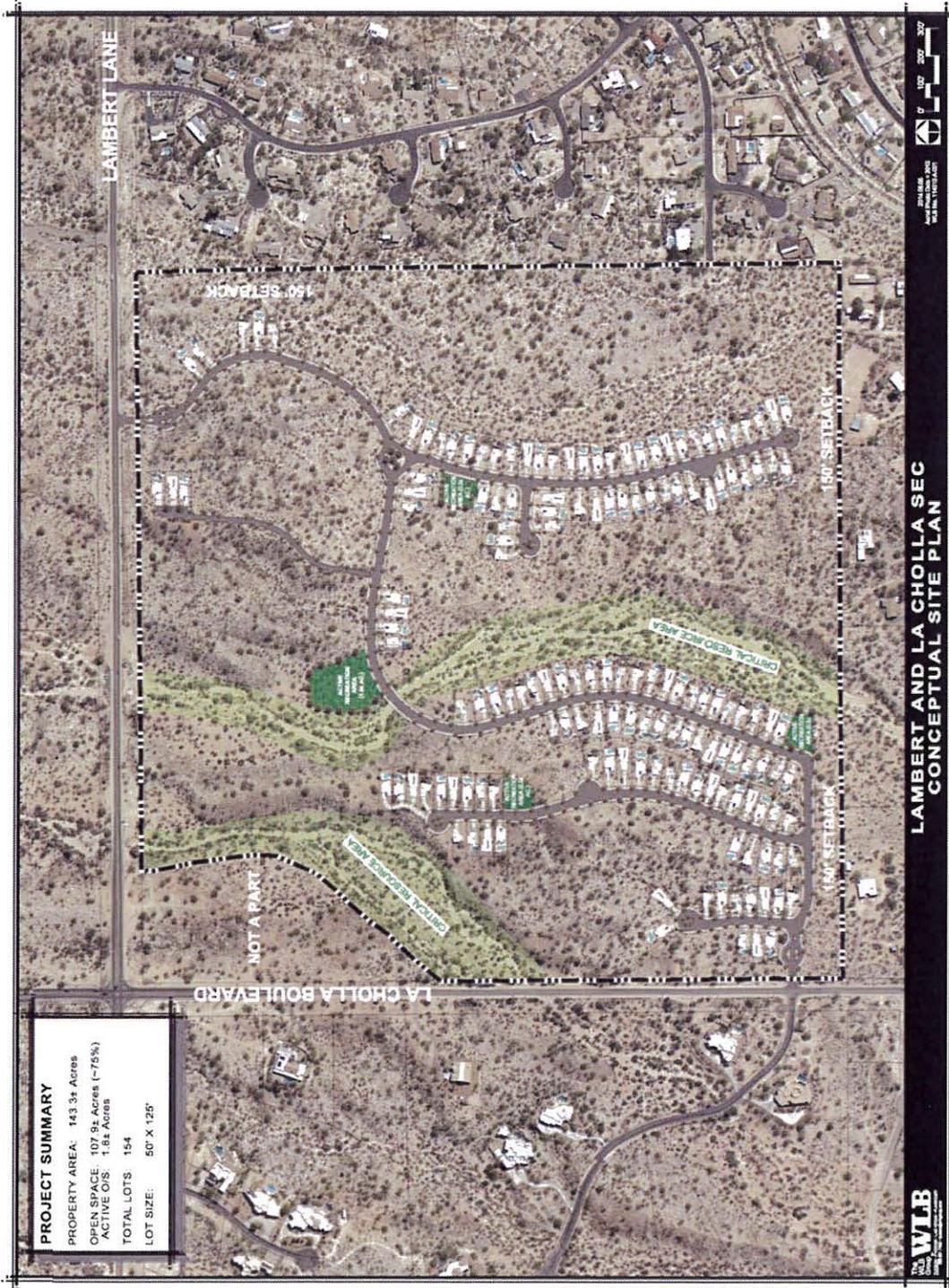


Figure 1 – Vicinity Map





Figure 2 – Site Plan





- Capacity analyses were performed for the existing conditions and future conditions without and with the project based on an opening year of 2016.
- The intersections and roadway segments were analyzed using the methodology presented in the *2010 Highway Capacity Manual (HCM)*.
- The need for auxiliary turn lanes at the proposed access intersections was evaluated using Pima County guidelines.

Existing Conditions

The study location includes the signalized intersection La Cholla Boulevard/Lambert Lane as well as the un-signalized intersection of La Cholla Boulevard/Owl Head Place.

The project site is located on the southeast corner of La Cholla Boulevard/Lambert Lane.

In the vicinity of the project La Cholla Boulevard is a rolling roadway with a posted speed limit of 45 miles per hour (mph). Near Lambert Lane, La Cholla Boulevard is a two-lane roadway with one lane in each direction. A dirt shoulder exists along both sides of the La Cholla Boulevard and overhead power is present on the west side of the roadway. North of the project La Cholla Boulevard provides access to residential homes for approximately three miles before ending at Moore Road. To the south, La Cholla Boulevard leads to the City of Tucson. Near Owl Head Road, La Cholla Boulevard has large amounts of shrubs and vegetation in close proximity to the west side of the roadway.

Lambert Lane is a two-way roadway with overhead power lines located on the east side of the road. A dirt shoulder is provided on both sides of Lambert Lane and the posted speed limit is 45 mph. One and one half miles west of the project, Lambert Lane becomes Pecos Way before continuing for another one half mile and ending at Thornydale Road. Lambert Lane runs approximately four miles to the east of the project location before ending at Oracle Road (State Route 77).

Owl Head Place is an unstriped, two-way street, with a posted speed limit of 25 mph. Owl Head Place exists to provide access to seven residences and is approximately one quarter mile long. There are no curb, gutter, lighting or sidewalk facilities provided on Owl Head and the roadway is bordered on both sides by desert.

La Cholla Boulevard/Lambert Lane is a signalized intersection that provides crosswalk facilities across all four legs of the intersection. All of the approaches are offered an exclusive left turn lane and a shared through/right turn lane. Protected/permitted left turn phasing is exists for all four approaches of the intersection.

The intersection of La Cholla Boulevard/Owl Head Place is located approximately 2,500 feet south of the intersection of La Cholla Boulevard/Lambert Lane. This un-signalized "T" intersection is STOP sign controlled for the eastbound approach while the northbound/southbound traffic on La Cholla Boulevard is free-flow. Northbound vehicles turning onto Owl Head Place from La Cholla Boulevard are provided with a shared through/left turn lane while southbound vehicles have a shared though/right turn lane.



Existing lane configurations and traffic control are shown in **Figure 3**.

Existing Traffic Data

In order to form a basis for analysis of the project impacts, weekday AM and PM peak hour turning movement counts were conducted at the existing intersections of La Cholla Boulevard/Lambert Lane and La Cholla Boulevard/Owl Head Place.

In addition, weekday 24-hour bi-directional traffic counts were taken on Lambert Lane, east of La Cholla Boulevard and on La Cholla Boulevard, south of Lambert Lane.

The weekday turning movement counts were conducted from 7:00 AM to 9:00 AM and 4:00 PM to 6:00 PM in August 2014.

The existing weekday AM and PM peak hour traffic volumes are shown in **Figure 4**. The complete traffic count summaries can be found in the Appendix.

Planned Town of Oro Valley Improvements

Proposed Oro Valley improvements to La Cholla Boulevard are in the initial planning phase. These improvements will include the installation of a center raised median along La Cholla Boulevard, adjacent to the project site. This median will restrict left turns on La Cholla Boulevard except at planned median breaks at major intersections, including La Cholla Boulevard/Lambert Lane and La Cholla Boulevard/Owl Head Place.

Improvements to Lambert Lane are also in the initial planning phase and will extend the existing roadway improvements (5-lane roadway section with median), just east of La Cañada Drive, to the west. The improvements will include a 4-lane, median separated road with bike lanes, a multi-use path on the south side of the roadway and sidewalk on the north side of the roadway that will taper down to two lanes starting at Rancho Sonora Drive.

The planned roadway improvements to La Cholla Boulevard and Lambert lane are in very early design stages and are not anticipated to begin until no sooner than 2020.

Access

Access to the proposed neighborhood will be provided by the existing intersection of La Cholla Boulevard/Owl Head Place as well as one new access point on Lambert Lane.

The new access point, North Driveway, will be located on the south side of Lambert Lane, approximately 2,000 feet east of La Cholla Boulevard. Vehicles exiting the proposed neighborhood through the North Driveway will be provided with a left turn lane and a right turn lane while eastbound and westbound traffic on Lambert Lane will have use of a single shared through/turn lane. Northbound vehicles will be STOP sign controlled while eastbound and westbound traffic on La Cholla Boulevard will remain free-flow.



Figure 3 – Existing Lane Configurations and Traffic Control

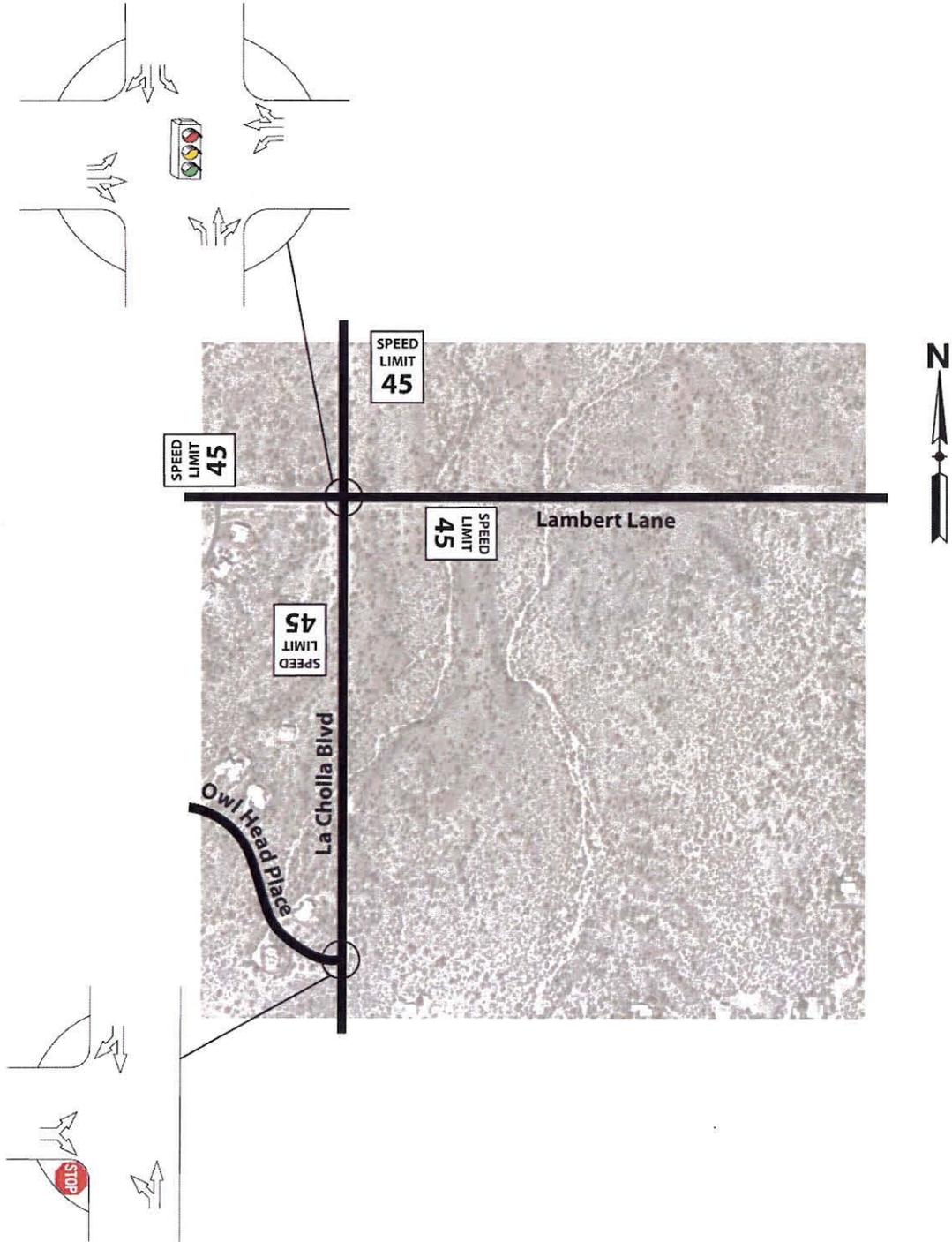
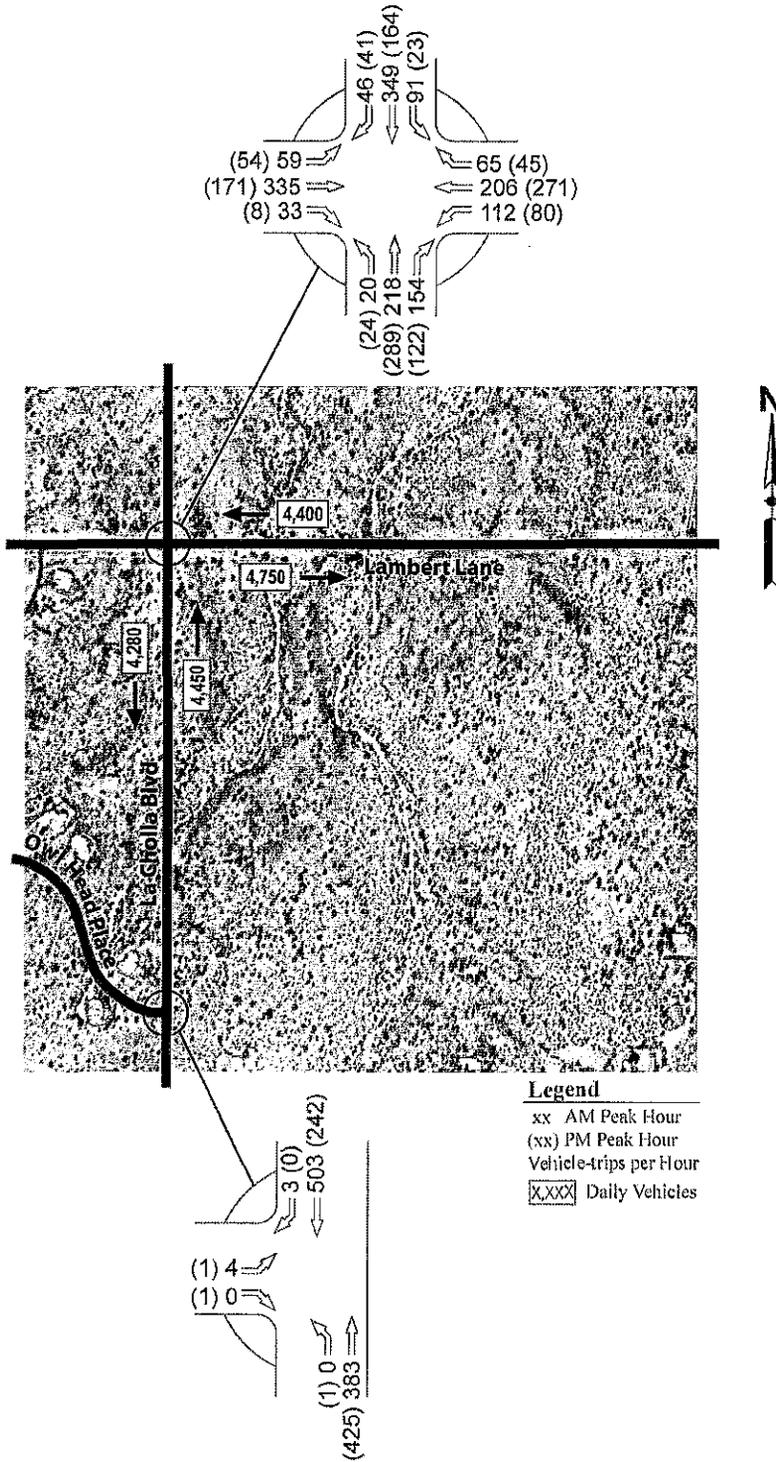




Figure 4 – Existing Weekday Peak Hour Traffic Volumes





A second access point will become the east leg of the existing intersection of La Cholla Boulevard/Owl Head Place. This new leg of the intersection will provide westbound vehicles with a left turn lane and a shared through/right turn lane. Eastbound and westbound vehicles will be free-flow while northbound and southbound traffic on La Cholla Boulevard will remain free-flow.

Sight distances at the future proposed access points and internal intersections should be verified during the design process.

Trip Generation

Trip generation for the project was developed utilizing nationally agreed upon data contained in the Institute of Transportation Engineers (ITE) publication *Trip Generation, 9th Edition, 2012*.

So as to provide analysis for the full build-out of the project, trip generation was estimated for the construction of 154 single-family homes based on ITE Land Use Code (LUC) 210, Single-Family Detached Housing.

The result is the expected weekday trip generation for the new project, as shown in **Table 1**. The complete trip generation calculations can be found in the Appendix.

Table 1 – Weekday Project Site Generated Trips

Time Period	Single Family Housing
Average Daily, Inbound (vtpd)	782
Average Daily, Outbound (vtpd)	782
Total Daily	1,564
AM Peak Hour, Inbound (vtph)	30
AM Peak Hour, Outbound (vtph)	89
Total AM Peak	119
PM Peak Hour, Inbound (vtph)	98
PM Peak Hour, Outbound (vtph)	57
Total PM Peak	155

vtpd - vehicle trips per day, vtph - vehicle trips per hour

Trip Distribution & Assignment

Trip distribution for the project was based on existing traffic volumes patterns near the proposed site. **Figure 5** shows the weekday trip distribution for the project as a percentage of net new primary trips.

Figure 6 shows the assignment of the new site generated trips to the project intersections within the study area.



Figure 5 – Weekday Peak Hour Trip Distribution

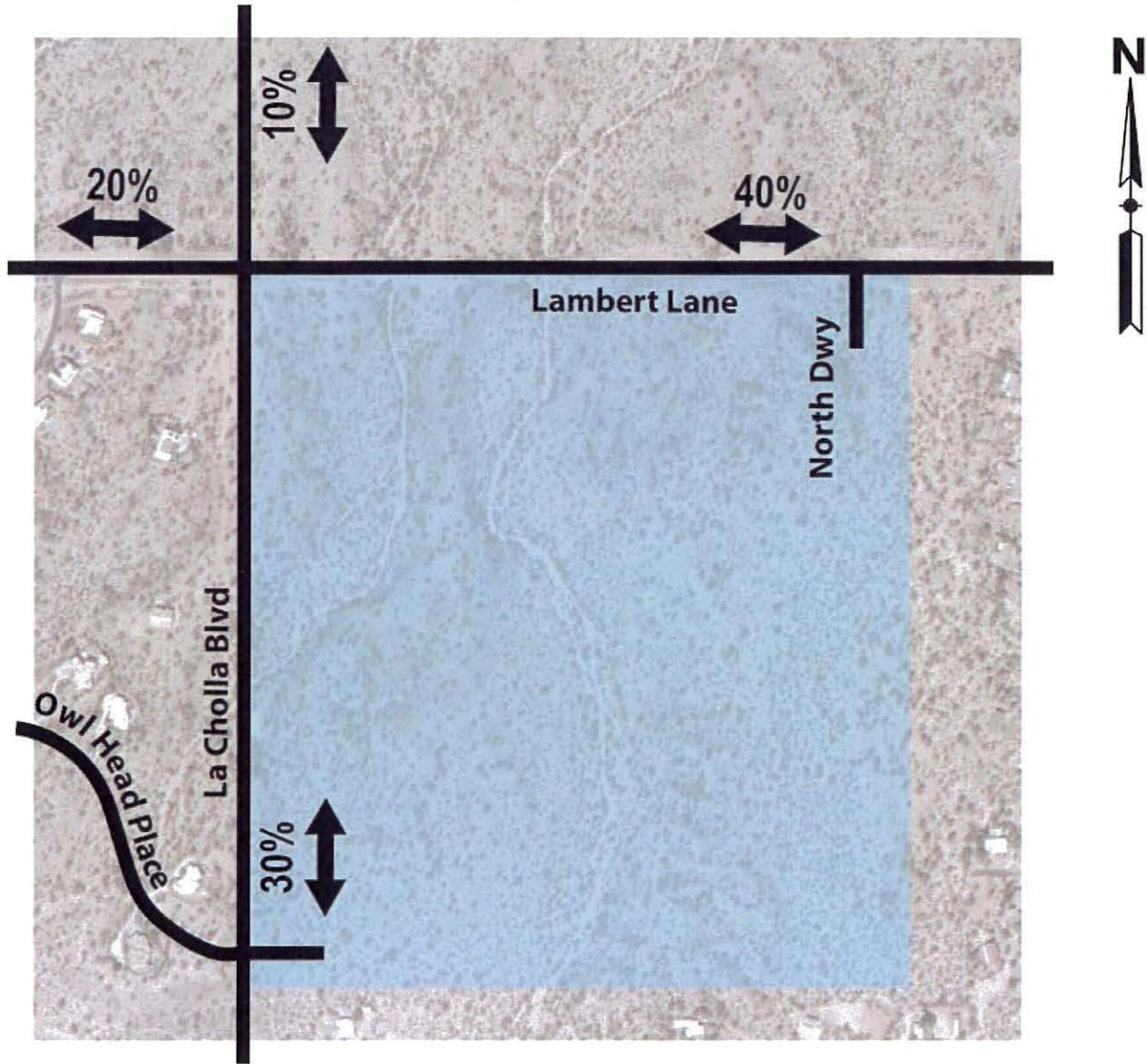
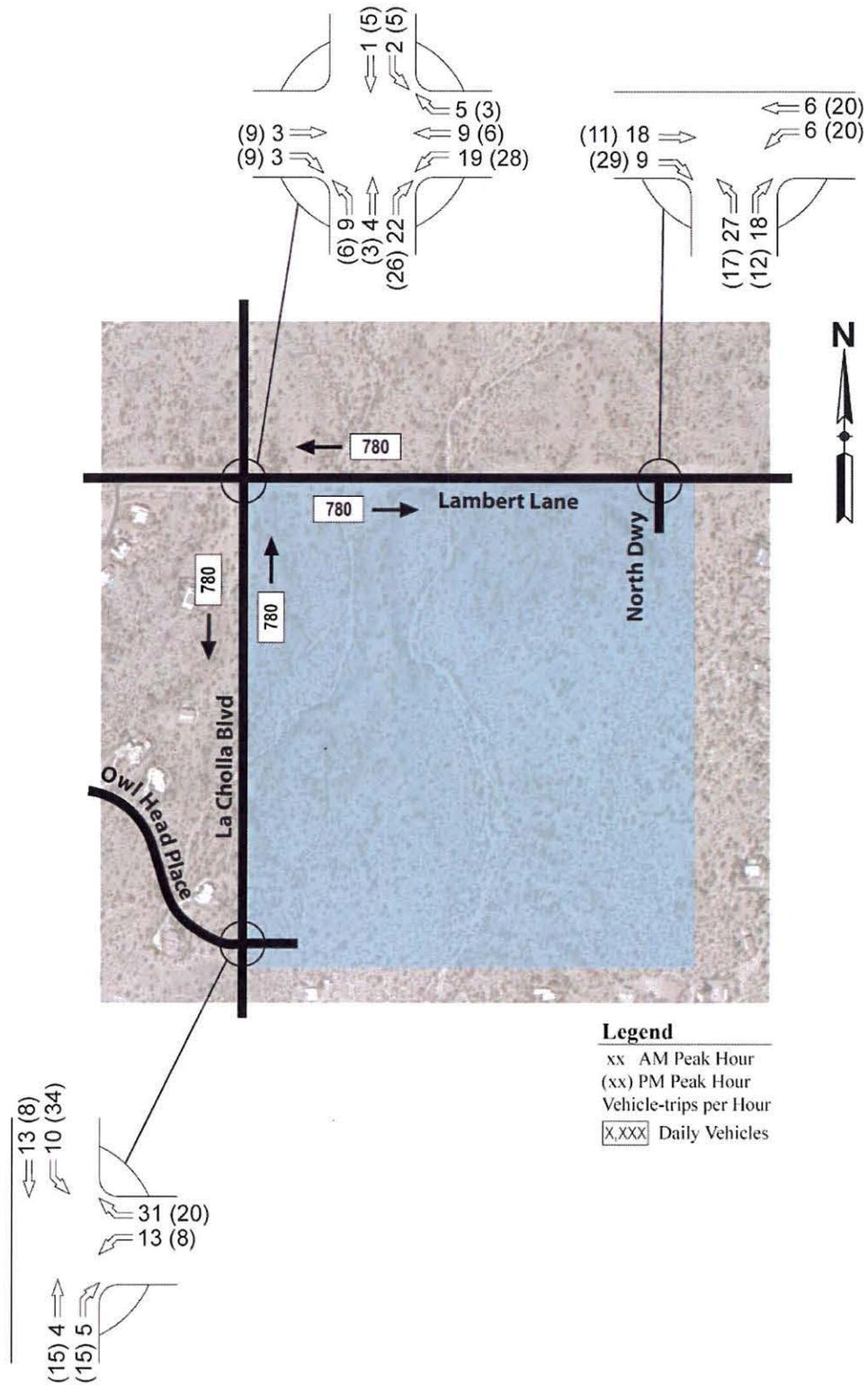




Figure 6 – Weekday Peak Hour Trip Assignment





Existing Traffic Operations

Analysis of current intersection operations was conducted for the weekday AM and PM peak hours using the nationally accepted methodology set forth in the *Highway Capacity Manual*, Transportation Research Board, 2010. The computer software Synchro 8 was utilized to calculate the levels of service for individual movements, approaches, and for the intersections as a whole. The computer software HCS 2010 was used to calculate the levels of service for the project roadway segments.

Level of service (LOS) is a qualitative measure of the traffic operations at an intersection or on a roadway segment. Level of service is ranked from LOS A, which signifies little or no congestion and is the highest rank, to LOS F, which signifies congestion and jam conditions. LOS D is typically considered adequate operation at signalized and un-signalized intersections in developed areas.

At signalized intersections, level of service is calculated for each movement and then is summed in a weighted fashion to yield the LOS for the approach and for the intersection as a whole. The criteria for level of service at signalized intersections are shown in **Table 2**.

Table 2 - Level of Service Criteria – Signalized Intersections

Level-of-Service	Average Total Delay
A	≤ 10.0 seconds
B	> 10.0 and ≤ 20.0 seconds/vehicle
C	> 20.0 and ≤ 35.0 seconds/vehicle
D	> 35.0 and ≤ 55.0 seconds/vehicle
E	> 55.0 and ≤ 80.0 seconds/vehicle
F	> 80.0 seconds per vehicle

In calculating the levels of service, assumed signal phasing and timing data was used. Other assumptions included:

- Cycle length – 90 seconds
- Lane widths – 12 feet
- Approach grade – 0%
- Right turn on red allowed

At un-signalized intersections, level of service is predicted/calculated for those movements which must either stop for or yield to oncoming traffic and is based on average control delay for the particular movement. Control delay is the portion of total delay attributed to traffic control measures such as stop signs and traffic signals. The criteria for level of service at un-signalized intersections are shown below in **Table 3**.



Table 3 – Level of Service Criteria – Un-signalized Intersections

Level-of-Service	Delay
A	< 10 seconds
B	> 10 and < 15 seconds/vehicle
C	> 15 and < 25 seconds/vehicle
D	> 25 and < 35 seconds/vehicle
E	> 35 and < 50 seconds/vehicle
F	> 50 seconds per vehicle

Existing levels of service were calculated for the project intersections within the study area. The results of this analysis are shown in Table 4. Complete capacity calculations are included in the Appendix.

Table 4 – Existing Peak Hour Levels of Service

Intersection	AM Peak		PM Peak	
	LOS	Delay	LOS	Delay
Signalized Intersections				
Lambert Lane/La Cholla Boulevard				
Overall Intersection	B	12.2	A	9.1
Eastbound Left	B	13.4	B	11.9
Eastbound Through/Right	B	11.6	A	8.3
Westbound Left	B	16.8	A	9.9
Westbound Through/Right	B	10.7	A	9.6
Northbound Left	B	15.0	A	8.3
Northbound Through/Right	B	11.7	A	9.2
Southbound Left	B	16.6	B	11.6
Southbound Through/Right	B	11.7	A	7.3
Un-Signalized Intersections				
La Cholla Boulevard/Owl Head Place				
Eastbound Left/Right	C	18.4	B	12.1
Northbound Left/Through	A	0.0	A	7.8

Delay - seconds per vehicle

As shown in Table 4, both of the existing study intersections currently operate at an adequate LOS C or better during the weekday AM and PM peak hours.

In order to verify existing roadway segment LOS on La Cholla Boulevard and Lambert Lane, an analysis was performed using existing traffic counts. The LOS on two-lane Type III highway segments is based on percent of free-flow speed (PFFS) which represents the average percentage of time that vehicles must travel in platoons behind slower vehicles due to their inability to pass. In order to perform a LOS analysis for the roadway segment analysis, the following assumptions were used:

- La Cholla Boulevard and Lambert Lane are classified as Type III Highways
- Free Flow Speed of 45 miles per hour (posted speed limit)
- Hourly factor (K) based on traffic counts



- Directional distribution based on traffic counts
- Rolling terrain

The level of service criteria for two-lane roadways with the above criteria is provided in **Table 5** based on values from Exhibit 15-3 of the *Highway Capacity Manual*.

Table 5 – Level of Service Criteria – Two-Lane Roadways

Level-of-Service	PFFS (%)
A	>91.7
B	>83.3-91.7
C	>75.0-83.3
D	>66.7-75.0
E	≤66.7

Table 6 shows the existing LOS for the roadway segments of La Cholla Boulevard, south of Lambert Lane and Lambert Lane, east of La Cholla Boulevard.

Table 6 – Existing Roadway Segment Levels of Service

Street	Segment	AM Peak		PM Peak	
		LOS	PFFS	LOS	PFFS
Lambert Lane	East of La Cholla Boulevard (Westbound)	C	77.3	C	80.8
	East of La Cholla Boulevard (Eastbound)	C	76.5	C	81.3
La Cholla Boulevard	South of Lambert Lane (Northbound)	C	78.8	C	81.1
	South of Lambert Lane (Southbound)	C	78.3	C	81.9

As shown in **Table 6**, the existing roadway segments of La Cholla Boulevard and Lambert Lane currently operate at an adequate LOS C.

Future Traffic Operations Without Project

In order to assess the impacts of the project on future traffic operations, traffic projections were made for the year 2016, which is the year the project is expected to open.

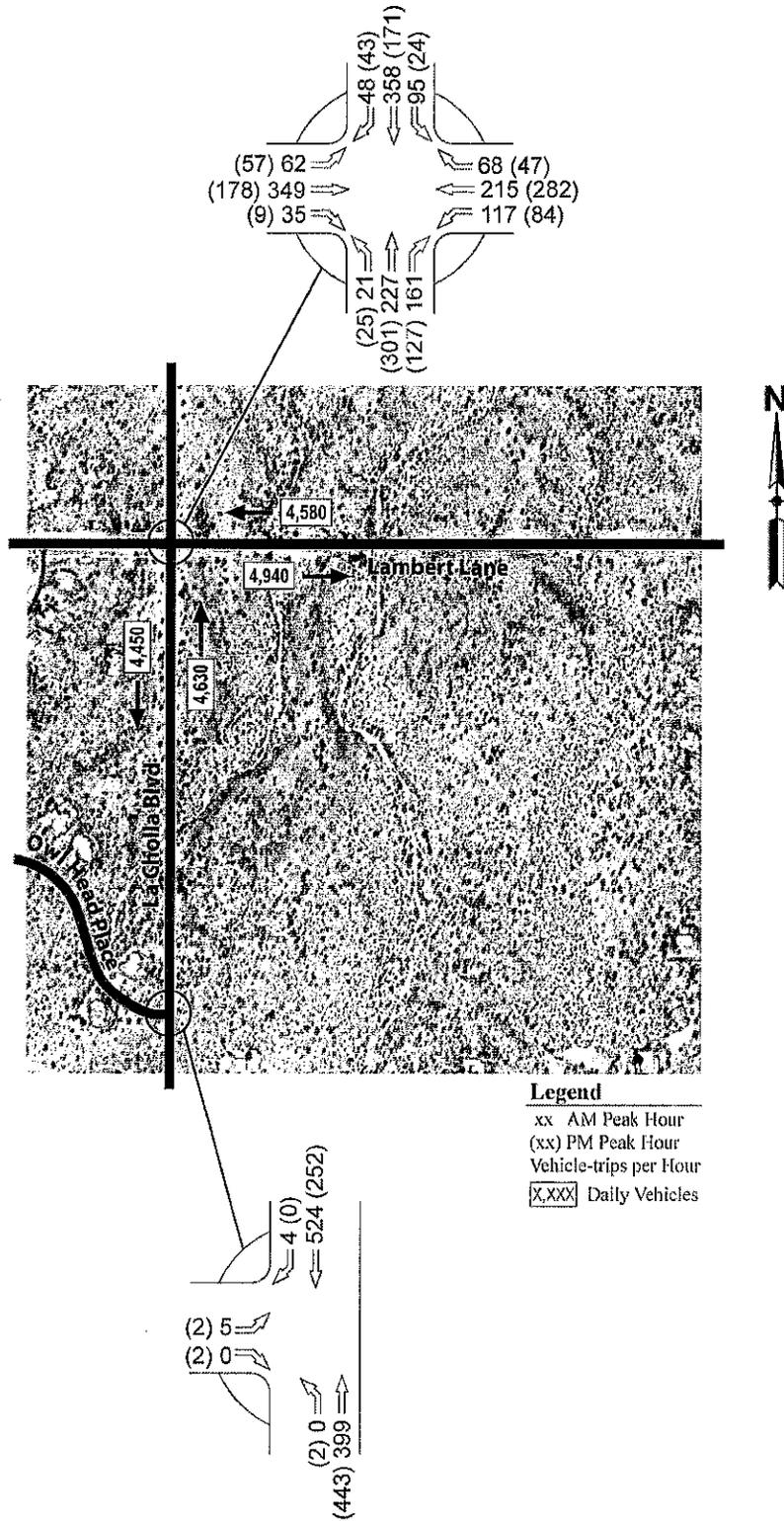
A review of historical traffic data along La Cholla Boulevard and Lambert Lane taken from the Pima Association of Governments (PAG) traffic count program showed a pattern of increasing and decreasing traffic volumes on the project roadways from 2010 to 2013. In light of this, a 2% annual traffic growth rate was used.

Using a 2% annual traffic growth rate, 2016 weekday peak hour traffic volumes without the project were estimated as shown in **Figure 7**.

As with the current volumes, levels of service were calculated for each of the intersections and roadway segments in the study area for 2016 without the project.



Figure 7 – 2016 Weekday Peak Hour Traffic Volumes Without Project





Intersection levels of service for 2016 without the project are shown in **Table 7**. Roadway segment levels of service for 2016 without the project are shown in **Table 8**. Complete capacity calculations are included in the Appendix.

Table 7 – 2016 Peak Hour Levels of Service Without Project

Intersection	AM Peak		PM Peak	
	LOS	Delay	LOS	Delay
Signalized Intersections				
Lambert Lane/La Cholla Boulevard				
Overall Intersection	B	13.2	A	9.5
Eastbound Left	B	14.5	B	12.6
Eastbound Through/Right	B	12.5	A	8.6
Westbound Left	B	18.5	B	10.4
Westbound Through/Right	B	11.4	B	10.0
Northbound Left	B	16.4	A	8.8
Northbound Through/Right	B	12.7	A	9.7
Southbound Left	B	18.4	B	12.4
Southbound Through/Right	B	12.6	A	7.6
Un-Signalized Intersections				
La Cholla Boulevard/Owl Head Place				
Eastbound Left/Right	C	19.1	B	12.4
Northbound Left/Through	A	0.0	A	7.8

Delay - seconds per vehicle

Table 7 shows that the two existing study intersections are predicted to continue to operate at an adequate LOS C or better during the weekday peak hours of 2016, without traffic from the project.

Table 8 – 2016 Roadway Segment Levels of Service Without Project

Street	Segment	AM Peak		PM Peak	
		LOS	PFFS	LOS	PFFS
Lambert Lane	East of La Cholla Boulevard (Westbound)	C	76.7	C	80.4
	East of La Cholla Boulevard (Eastbound)	C	76.0	C	80.8
La Cholla Boulevard	South of Lambert Lane (Northbound)	C	78.2	C	80.6
	South of Lambert Lane (Southbound)	C	77.7	C	81.5

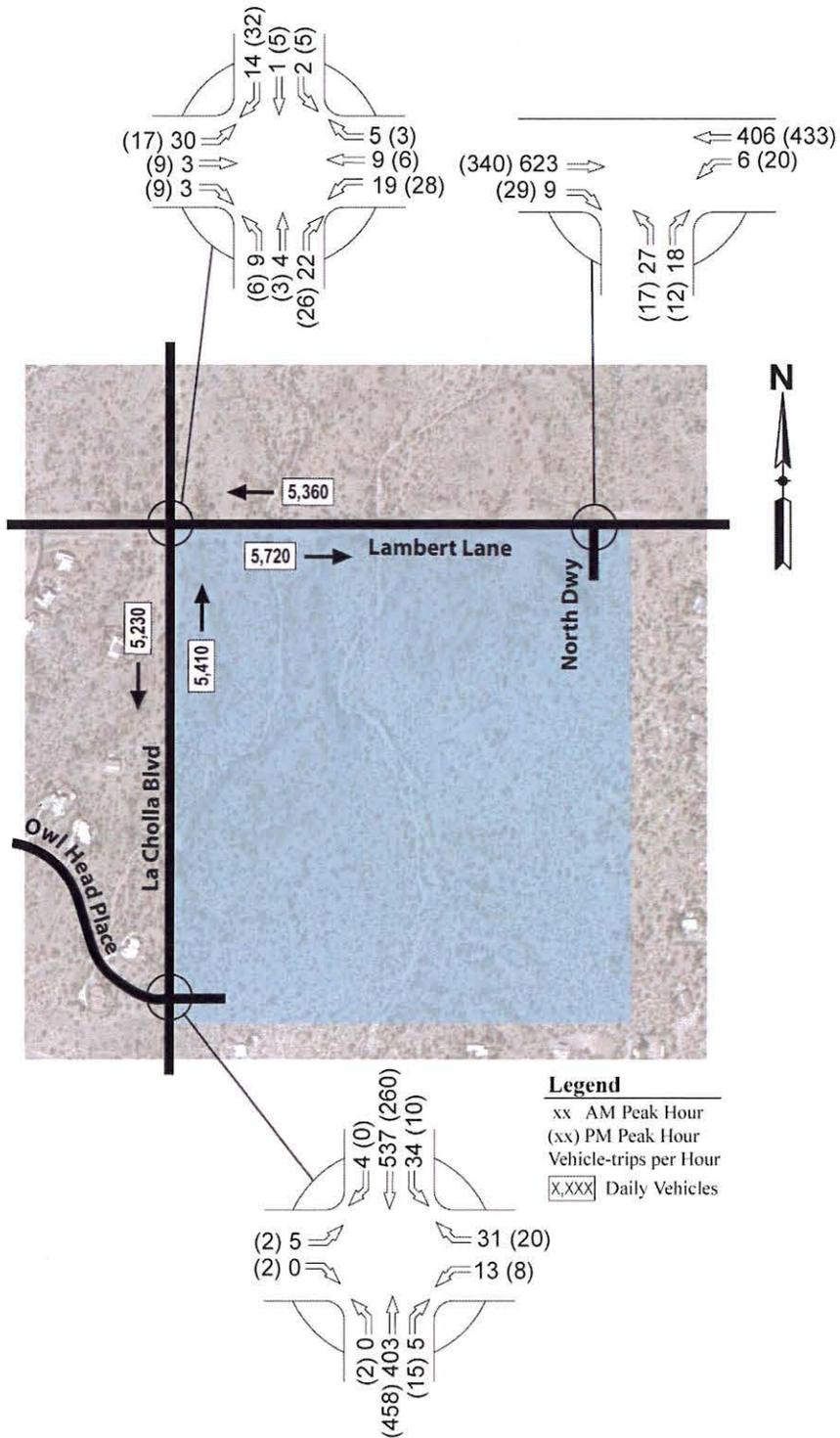
As shown in **Table 8**, all of the study roadway segments are predicted to continue to operate at an adequate LOS C in 2016, without traffic from the project.

Future Traffic Operations With Project

In order to assess the impacts of the project on future traffic operations, levels of service were calculated for each project intersection for 2016, with the project. Weekday peak hour traffic volumes for 2016 without the project were combined with the estimated trips generated by the project to yield weekday peak hour traffic volumes with the project as shown in **Figure 8**.



Figure 8 – 2016 Weekday Peak Hour Traffic Volumes With Project





Weekday intersection levels of service for 2016, with the project were then calculated as shown in **Table 9**. Roadway segment levels of service for 2016 without the project are shown in **Table 10**. Complete capacity calculations are included in the Appendix.

Table 9 – 2016 Peak Hour Levels of Service With Project

Intersection	2016 Without Project				2016 With Project			
	AM Peak		PM Peak		AM Peak		PM Peak	
	LOS	Delay	LOS	Delay	LOS	Delay	LOS	Delay
Signalized Intersections								
Lambert Lane/La Cholla Boulevard								
Overall Intersection	B	13.2	A	9.5	B	14.7	B	10.3
Eastbound Left	B	14.5	B	12.6	B	16.1	B	13.9
Eastbound Through/Right	B	12.5	A	8.6	B	13.5	A	9.5
Westbound Left	B	18.5	B	10.4	C	20.9	B	12.1
Westbound Through/Right	B	11.4	B	10.0	B	12.5	B	10.9
Northbound Left	B	16.4	A	8.8	B	18.2	A	9.2
Northbound Through/Right	B	12.7	A	9.7	B	14.3	B	10.3
Southbound Left	B	18.4	B	12.4	C	21.3	B	13.7
Southbound Through/Right	B	12.6	A	7.6	B	13.8	A	7.9
Un-Signalized Intersections								
South Driveway (Owl Head Place)/La Cholla Boulevard								
Eastbound Left/Right	C	19.1	B	12.4	N/A		N/A	
Eastbound Left/Through/Right					D	25.6	B	14.9
Westbound Left	N/A		N/A		C	24.8	C	19.6
Westbound Through/Right					B	11.3	B	11.7
Northbound Left/Through	A	0.0	A	7.8	N/A		N/A	
Northbound Left/Through/Right					A	0.0	A	7.8
Southbound Left/Through/Right					A	8.3	A	8.6
North Driveway/Lambert Lane								
Westbound Left					A	9.1	A	8.2
Northbound Left	N/A		N/A		B	14.9	B	11.8
Northbound Right					B	13.6	B	10.6

Delay - seconds per vehicle

Table 9 shows that all of the study intersections are anticipated to operate at an adequate LOS during the weekday peak hours of 2016, with traffic from the project.

Table 10 – 2016 Roadway Segment Levels of Service With Project

Street	Segment	2015 Without Project				2015 With Project			
		AM Peak		PM Peak		AM Peak		PM Peak	
		LOS	PFFS	LOS	PFFS	LOS	PFFS	LOS	PFFS
Lambert Lane	Westbound	C	76.3	C	79.9	C	76.3	C	79.9
	Eastbound	C	75.6	C	80.4	C	75.6	C	80.4
La Cholla Boulevard	Northbound	C	77.3	C	79.3	C	77.3	C	79.3
	Southbound	C	76.9	C	80.3	C	76.9	C	80.3

As shown in **Table 10**, all of the study roadway segments are predicted to continue to operate at an adequate LOS C in 2016, with traffic from the project.



Turn Lane Analysis

A key element of this study is to determine if turn lanes are required at the two proposed project access points.

The latest edition of the *Pima County Subdivision and Development Street Standards* provides warrants for the inclusion of turn lanes at subdivision or development access points. The criteria for determining if turn lanes are needed are based on vehicle speeds, total daily traffic and the turning traffic volume during the peak hour. **Table 11** shows the maximum turn volumes in the peak hour allowed without a right turn lane, and **Table 12** shows the maximum turn volumes in the peak hour allowed without a left turn lane, per the *Pima County Subdivision and Development Street Standards*. When needed, turn lanes remove the slowing turning traffic from the through traffic stream, improving capacity and reducing rear-end accidents. **Table 13** shows the locations that were evaluated for turn lanes.

Table 11 – Maximum Peak Hour Right Turn Volume Without Right Turn Lane

Average Daily Traffic (vpd)	Turning Volume
2,500-5,000	100
5,000-10,000	70
>10,000	40

VPD - Vehicles Per Day

Table 12 – Maximum Peak Hour Left Turn Volume Without Right Turn Lane

Posted Speed (mph)	Average Daily Traffic (vpd)			
	<2,500	2,500-5,000	5,000-10,000	>10,000
< 35	75	50	30	15
40-50	75	40	20	10
> 55	75	30	10	5

VPD - Vehicles Per Day

Table 13 – Turn Lane Warrants

Intersection	Turn Treatments Warranted?	Direction	Turn Treatment Analyzed
South Driveway (Owl Head Place)/La Cholla Boulevard	No	Northbound	Right Turn Lane
North Driveway/Lambert Lane	No	Eastbound	Right Turn Lane
South Driveway (Owl Head Place)/La Cholla Boulevard	Yes	Southbound	Left Turn Lane
North Driveway/Lambert Lane	Yes	Westbound	Left Turn Lane



Based on the 2016 weekday peak hour traffic volumes with the project, **Table 13** shows that a southbound left turn lane is warranted at the intersection of South Driveway/La Cholla Boulevard. A westbound left turn lane is warranted at the intersection of North Driveway/La Cholla Boulevard.

Another key element of this study is to determine the storage length required for the warranted turn lanes.

The queue storage requirements for the area roadways were calculated using the following methods as recommended in *A Policy of Geometric Design of Highways and Streets* (AASHTO, 2011).

For un-signalized intersections, storage for vehicles likely to arrive in an average two-minute period within the peak hour should be provided.

$$\begin{aligned} \text{Vehicles per 2 min. period} &= (\text{vehicles/hour}) \div (30 \text{ periods/hour}) \\ \text{Storage length} &= \text{vehicles per 2 min. period} \times 25 \text{ feet} \end{aligned}$$

Based on the 2016 weekday peak hour traffic volumes with the project, the storage lengths were found for the warranted left turn lanes. The computed value is typically rounded up to the nearest 25 feet. **Table 14** shows the calculated queue length for the warranted turn lanes. Complete storage length calculations can be found in the Appendix.

Table 14 – Calculated Queue Lengths

Intersection	Left Turn Storage			
	NB	SB	EB	WB
South Driveway (Owl Head Place)/La Cholla Boulevard	Turning Volume (vph)	34		
	S _{calculated} =	28		
	S _{rounded} =	50		
North Driveway/Lambert Lane	Turning Volume (vph)			20
	S _{calculated} =			17
	S _{rounded} =			25

S - storage in feet, vph - vehicles per hour

Table 14 shows that a minimum of 50 feet of vehicle storage space was calculated for vehicles making a southbound left into the project site at the South Driveway and a minimum of 25 feet of vehicle storage was calculated for vehicles making a westbound left into the project at the North Driveway.

The *Pima County Pavement Marking Standards* require a minimum turn lane storage length of 150 feet. Therefore, 150 feet is the recommended length for both left turn lanes into the project.



Conclusion

When fully completed, the proposed residential development project is predicted to generate an additional 1,564 vehicle trips per day (vtpd) on weekdays to the adjacent street system from the new project site. Fifty percent of these new trips (782 vehicle trips) will be into the project and fifty percent will be out of the project.

Both of the existing study intersections and study roadway segments currently operate at an adequate level of service (LOS) during the weekday AM and PM peak hours and are predicted to continue doing so in 2016, without traffic from the project.

All of the existing study intersections and study roadway segments are anticipated to continue operating at an adequate LOS during the weekday AM and PM peak hours in 2016, with traffic from the proposed neighborhood project.

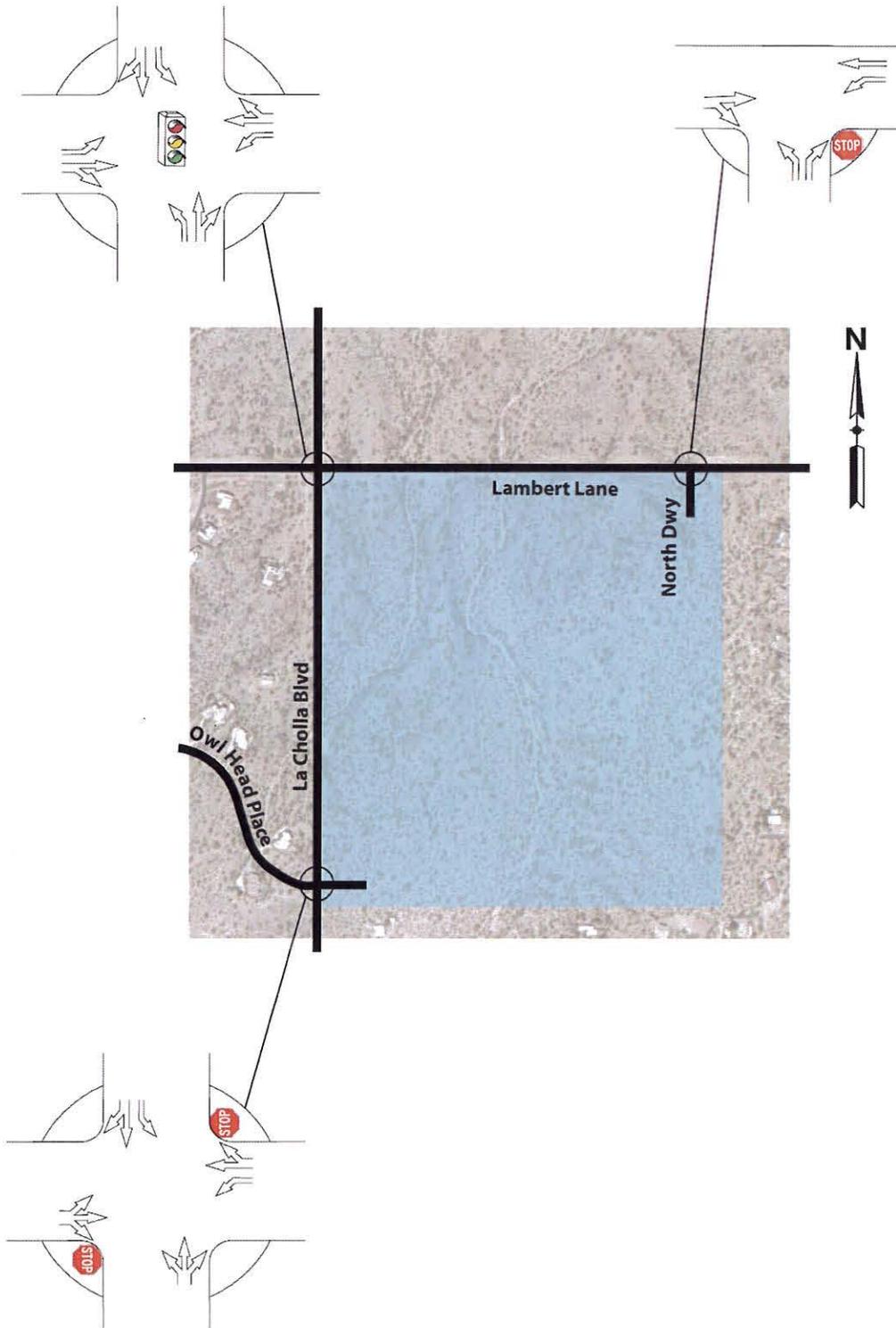
The turn lane analysis shows that a southbound left turn lane with 150 feet of storage is warranted at the intersection of South Driveway (Owl Head Place)/La Cholla Boulevard. A westbound left turn lane with 150 of storage is warranted at the intersection of North Driveway/La Cholla Boulevard.

New STOP signs and associated STOP bar pavement markings are recommended for both northbound vehicles exiting the project through the North Driveway and westbound vehicles exiting through the south driveway.

Another improvement which should be considered is removing impediments to driver sight lines. In particular, vegetation near the northwest and southwest corners of the intersection of La Cholla Boulevard/Owl Head Place should be removed to maximize driver visibility. In addition, sight distances at the future proposed access points and internal intersections should be verified during the design process.

Proposed lane configurations and traffic control are shown in **Figure 9**.

Figure 9 – Proposed Lane Configurations and Traffic Control





**TRAFFIC IMPACT ANALYSIS
PROPOSED NEIGHBORHOOD
SOUTHEAST OF LA CHOLLA BOULEVARD/LAMBERT LANE**

APPENDIX

Traffic Counts

Trip Generation Calculations

Capacity Calculations

Turn Lane Analysis



**TRAFFIC IMPACT ANALYSIS
PROPOSED NEIGHBORHOOD
SOUTHEAST OF LA CHOLLA BOULEVARD/LAMBERT LANE**

APPENDIX

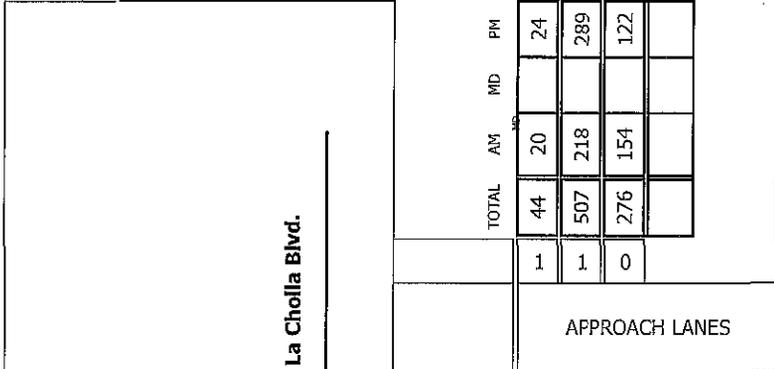
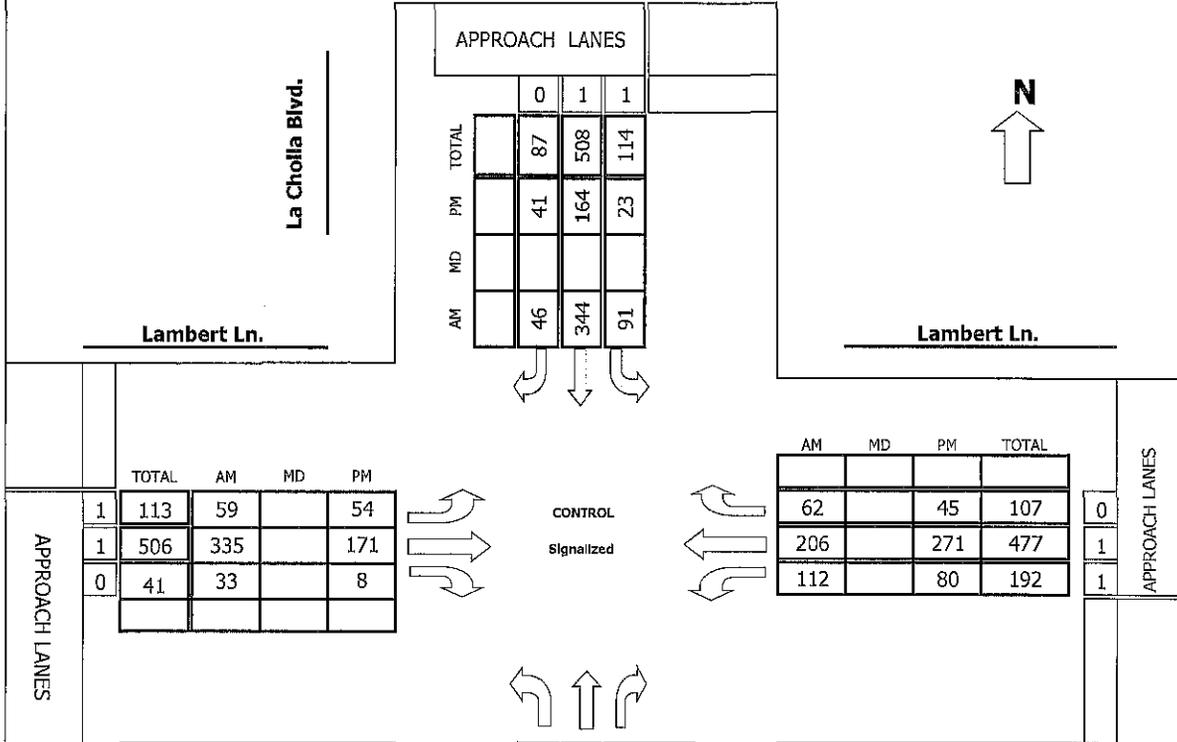
Traffic Counts

**Intersection Turning Movement
Prepared by:**



Project #: 14-1250-001

TMC SUMMARY OF La Cholla Blvd. & Lambert Ln.



LOCATION #: 14-1250-001

TURNING MOVEMENT COUNT

La Cholla Blvd. & Lambert Ln.
(Intersection Name)

WEDNESDAY 08/27/2014
Day Date

COUNT PERIODS	
AM	700AM - 900AM
NOON	-
PM	400PM - 600PM

AM PEAK HOUR 715 AM

NOON PEAK HOUR _____

PM PEAK HOUR 430 PM

Intersection Turning Movement

Prepared by:



FIELD DATA SERVICES OF ARIZONA, INC.
520.316.6745



veracitytrafficgroup

N-S STREET: La Cholla Blvd. DATE: 08/27/2014 LOCATION: Oro Valley
 E-W STREET: Lambert Ln. DAY: WEDNESDAY PROJECT# 14-1250-001

LANES:	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	1	1	0	1	1	0	1	1	0	1	1	0	
6:00 AM													
6:15 AM													
6:30 AM													
6:45 AM													
7:00 AM	1	35	40	8	82	11	9	73	5	15	46	6	331
7:15 AM	0	56	35	12	60	13	22	116	5	26	44	15	404
7:30 AM	10	60	52	24	90	8	17	77	6	35	69	22	470
7:45 AM	8	67	38	33	109	15	12	64	15	30	56	17	464
8:00 AM	2	35	29	22	85	10	8	78	7	21	37	8	342
8:15 AM	4	26	20	9	67	8	2	57	2	19	28	10	252
8:30 AM	0	31	18	0	70	3	10	49	4	17	47	9	258
8:45 AM	5	31	13	8	52	7	8	32	1	16	22	6	201
9:00 AM													
9:15 AM													
9:30 AM													
9:45 AM													
10:00 AM													
10:15 AM													
10:30 AM													
10:45 AM													
11:00 AM													
11:15 AM													
11:30 AM													
11:45 AM													

TOTAL	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
Volumes	30	341	245	116	615	75	88	546	45	179	349	93	2722
Approach %	4.87	55.36	39.77	14.39	76.30	9.31	12.96	80.41	6.63	28.82	56.20	14.98	
App/Depart	616	/	522	806	/	839	679	/	907	621	/	454	

AM Peak Hr Begins at: 715 AM

PEAK

Volumes	20	218	154	91	344	46	59	335	33	112	206	62	1680
Approach %	5.10	55.61	39.29	18.92	71.52	9.56	13.82	78.45	7.73	29.47	54.21	16.32	

PEAK HR.

FACTOR:	0.803	0.766	0.747	0.754	0.894
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CONTROL: Signalized
 COMMENT 1:
 GPS: 32.395309,-111.01293

Intersection Turning Movement



FIELD DATA SERVICES OF ARIZONA, INC.
520.316.6745



N-S STREET: La Cholla Blvd. DATE: 08/27/2014 LOCATION: Oro Valley
E-W STREET: Lambert Ln. DAY: WEDNESDAY PROJECT# 14-1250-001

LANES:	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	1	1	0	1	1	0	1	1	0	1	1	0	
1:00 PM													
1:15 PM													
1:30 PM													
1:45 PM													
2:00 PM													
2:15 PM													
2:30 PM													
2:45 PM													
3:00 PM													
3:15 PM													
3:30 PM													
3:45 PM													
4:00 PM	5	36	24	14	43	8	13	46	2	31	87	9	318
4:15 PM	3	57	22	9	44	11	6	28	2	18	57	9	266
4:30 PM	6	62	42	7	46	7	10	42	2	22	61	9	316
4:45 PM	5	80	18	6	29	11	14	50	2	15	65	11	306
5:00 PM	4	68	32	5	48	14	17	42	1	18	69	13	331
5:15 PM	9	79	30	5	41	9	13	37	3	25	76	12	339
5:30 PM	1	61	29	3	21	7	9	48	1	17	58	12	267
5:45 PM	6	74	27	17	31	13	11	39	6	20	37	12	293
6:00 PM													
6:15 PM													
6:30 PM													
6:45 PM													

TOTAL	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
Volumes	39	517	224	66	303	80	93	332	19	166	510	87	2436
Approach %	5.00	66.28	28.72	14.70	67.48	17.82	20.95	74.77	4.28	21.76	66.84	11.40	
App/Depart	780	/	697	449	/	488	444	/	622	763	/	629	

PM Peak Hr Begins at: 430 PM

PEAK

Volumes	24	289	122	23	164	41	54	171	8	80	271	45	1292
Approach %	5.52	66.44	28.05	10.09	71.93	17.98	23.18	73.39	3.43	20.20	68.43	11.36	

PEAK HR.

FACTOR:	0.922	0.851	0.883	0.876	0.953
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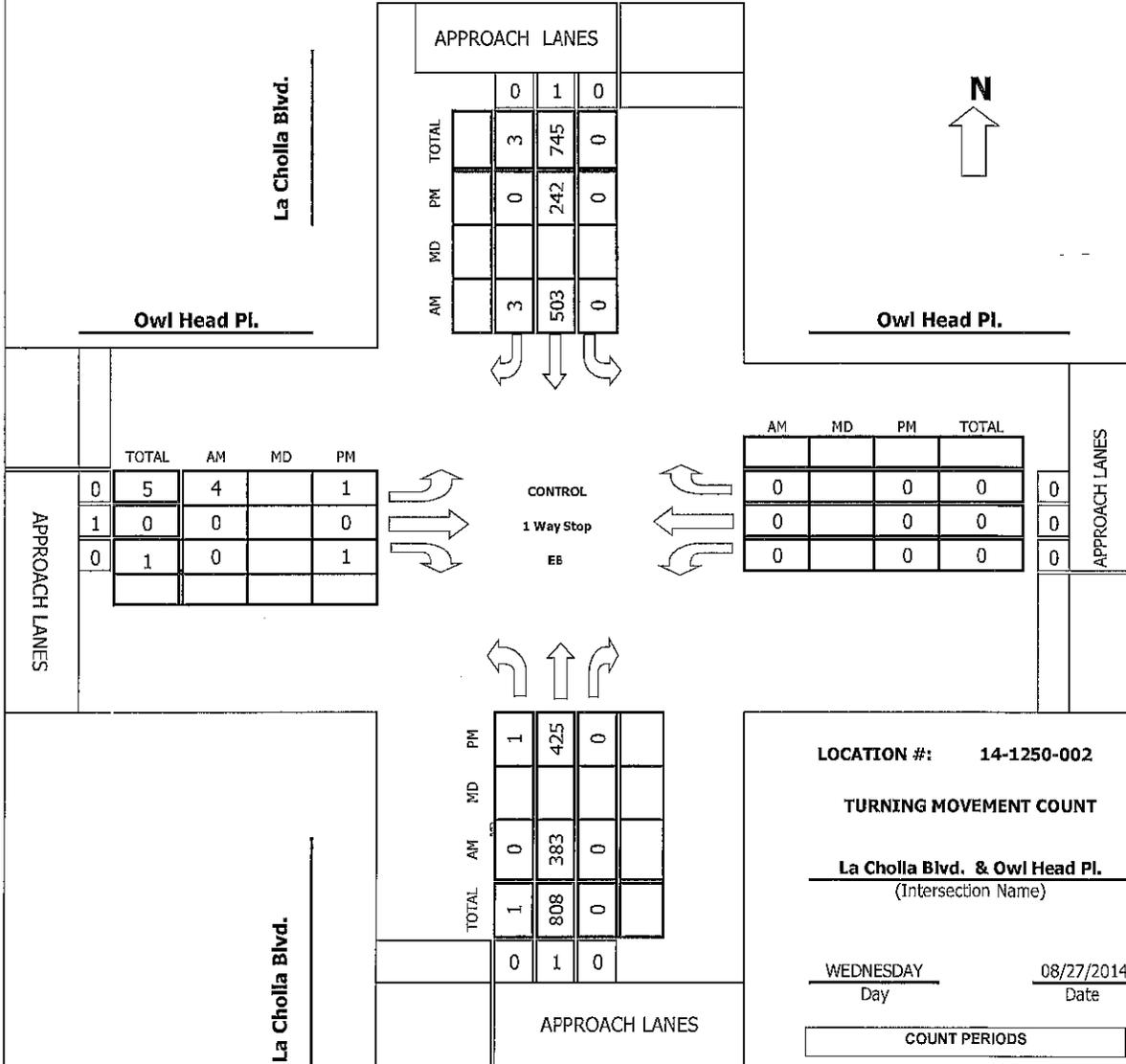
CONTROL: Signalized
COMMENT 1: 0
GPS: 32.395309,-111.01293

**Intersection Turning Movement
Prepared by:**



Project #: 14-1250-002

TMC SUMMARY OF La Cholla Blvd. & Owl Head Pl.



APPROACH LANES		0	1	0
TOTAL		3	745	0
PM		0	242	0
MD				
AM		3	503	0

APPROACH LANES	TOTAL	AM	MD	PM
	0	5	4	1
	1	0	0	0
	0	1	0	1

AM	MD	PM	TOTAL	APPROACH LANES	
0		0	0		0
0		0	0		0
0		0	0		0

APPROACH LANES	TOTAL	AM	MD	PM
	1	0	383	0
	0	1	0	0
	0	1	0	0

LOCATION #: 14-1250-002

TURNING MOVEMENT COUNT

La Cholla Blvd. & Owl Head Pl.
(Intersection Name)

WEDNESDAY 08/27/2014
Day Date

COUNT PERIODS	
AM	700AM - 900AM
NOON	-
PM	400PM - 600PM

AM PEAK HOUR 715 AM

NOON PEAK HOUR _____

PM PEAK HOUR 430 PM

Intersection Turning Movement
Prepared by:



FIELD DATA SERVICES OF ARIZONA, INC.
520.316.6745



N-S STREET: La Cholla Blvd. DATE: 08/27/2014 LOCATION: Oro Valley
E-W STREET: Owl Head Pl. DAY: WEDNESDAY PROJECT#: 14-1250-002

LANES:	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
6:00 AM	0	1	0	0	1	0	0	1	0	0	0	0	
6:15 AM													
6:30 AM													
6:45 AM													
7:00 AM	0	73	0	0	120	0	1	0	0	0	0	0	194
7:15 AM	0	89	0	0	111	1	0	0	0	0	0	0	201
7:30 AM	0	139	0	0	127	0	4	0	0	0	0	0	270
7:45 AM	0	96	0	0	130	0	0	0	0	0	0	0	226
8:00 AM	0	59	0	0	135	2	0	0	0	0	0	0	196
8:15 AM	0	56	0	0	86	0	0	0	0	0	0	0	142
8:30 AM	0	66	0	0	83	0	0	0	1	0	0	0	150
8:45 AM	0	49	0	0	73	0	0	0	0	0	0	0	122
9:00 AM													
9:15 AM													
9:30 AM													
9:45 AM													
10:00 AM													
10:15 AM													
10:30 AM													
10:45 AM													
11:00 AM													
11:15 AM													
11:30 AM													
11:45 AM													

TOTAL	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
Volumes	0	627	0	0	865	3	5	0	1	0	0	0	1501
Approach %	0.00	100.00	0.00	0.00	99.65	0.35	83.33	0.00	16.67	####	####	####	
App/Depart	627	/	632	868	/	866	6	/	0	0	/	3	

AM Peak Hr Begins at: 715 AM

PEAK

Volumes	0	383	0	0	503	3	4	0	0	0	0	0	893
Approach %	0.00	100.00	0.00	0.00	99.41	0.59	100.00	0.00	0.00	####	####	####	

PEAK HR. FACTOR:

	0.689		0.923		0.250		0.000		0.827
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CONTROL: 1 Way Stop (EB)
COMMENT 1:
GPS: 32.388623,-111.012865

Intersection Turning Movement



FIELD DATA SERVICES OF ARIZONA, INC.
520.316.6745



N-S STREET: La Cholla Blvd. DATE: 08/27/2014 LOCATION: Oro Valley
E-W STREET: Owl Head Pl. DAY: WEDNESDAY PROJECT#: 14-1250-002

LANES:	NORTHBOUND			SOUTHBOUND			EASTBOUND			WESTBOUND			TOTAL
	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	
	0	1	0	0	1	0	0	1	0	0	0	0	
1:00 PM													
1:15 PM													
1:30 PM													
1:45 PM													
2:00 PM													
2:15 PM													
2:30 PM													
2:45 PM													
3:00 PM													
3:15 PM													
3:30 PM													
3:45 PM													
4:00 PM	0	65	0	0	83	0	0	0	2	0	0	0	150
4:15 PM	0	84	0	0	60	2	0	0	0	0	0	0	146
4:30 PM	0	109	0	0	65	0	1	0	0	0	0	0	175
4:45 PM	0	102	0	0	44	0	0	0	0	0	0	0	146
5:00 PM	0	113	0	0	68	0	0	0	1	0	0	0	182
5:15 PM	1	101	0	0	65	0	0	0	0	0	0	0	167
5:30 PM	0	92	0	0	34	0	0	0	0	0	0	0	126
5:45 PM	0	105	0	0	54	0	0	0	0	0	0	0	159
6:00 PM													
6:15 PM													
6:30 PM													
6:45 PM													

TOTAL	NL	NT	NR	SL	ST	SR	EL	ET	ER	WL	WT	WR	TOTAL
Volumes	1	771	0	0	473	2	1	0	3	0	0	0	1251
Approach %	0.13	99.87	0.00	0.00	99.58	0.42	25.00	0.00	75.00	####	####	####	
App/Depart	772	/	772	475	/	476	4	/	0	0	/	3	

PM Peak Hr Begins at: 430 PM

PEAK

Volumes	1	425	0	0	242	0	1	0	1	0	0	0	670
Approach %	0.23	99.77	0.00	0.00	100.00	0.00	50.00	0.00	50.00	####	####	####	

PEAK HR.

FACTOR:	0.942	0.890	0.500	0.000	0.920
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CONTROL: 1 Way Stop (EB)
COMMENT 1: 0
GPS: 32.388623,-111.012865

Prepared by: Field Data Services of Arizona/Veracity Traffic Group (520) 316-6745

Volumes for: Wednesday, August 27, 2014

City: Oro Valley

Project #: 14-1250-002

Location: La Cholla Blvd. south of Lambert Ln.

AM Period	NB	SB	EB	WB	PM Period	NB	SB	EB	WB	
00:00	3	3			12:00	59	70			
00:15	1	1			12:15	75	109			
00:30	2	0			12:30	91	90			
00:45	2	8	1	5	12:45	67	292	71	340	
										632
01:00	0	1			13:00	73	82			
01:15	2	0			13:15	81	74			
01:30	0	1			13:30	62	90			
01:45	1	3	0	2	13:45	68	284	101	347	
										631
02:00	1	0			14:00	79	66			
02:15	1	1			14:15	82	84			
02:30	4	2			14:30	104	79			
02:45	2	8	2	5	14:45	112	377	94	323	
										700
03:00	1	1			15:00	103	84			
03:15	3	2			15:15	92	79			
03:30	0	0			15:30	87	78			
03:45	0	4	2	5	15:45	54	336	84	325	
										661
04:00	8	5			16:00	83	66			
04:15	15	10			16:15	95	62			
04:30	9	24			16:30	110	56			
04:45	7	39	18	57	16:45	97	385	65	249	
										634
05:00	20	15			17:00	113	71			
05:15	18	33			17:15	95	40			
05:30	34	32			17:30	108	58			
05:45	30	102	38	118	17:45	82	398	46	215	
										613
06:00	42	39			18:00	62	46			
06:15	49	61			18:15	71	32			
06:30	58	73			18:30	60	40			
06:45	56	205	92	265	18:45	56	249	26	144	
										393
07:00	92	122			19:00	37	22			
07:15	110	132			19:15	35	19			
07:30	121	118			19:30	35	11			
07:45	78	401	154	526	19:45	37	144	19	71	
										215
08:00	59	84			20:00	26	24			
08:15	53	103			20:15	25	20			
08:30	61	65			20:30	31	13			
08:45	49	222	71	323	20:45	28	110	15	72	
										182
09:00	52	71			21:00	14	15			
09:15	58	79			21:15	19	15			
09:30	57	62			21:30	18	7			
09:45	49	216	72	284	21:45	11	62	12	49	
										111
10:00	49	64			22:00	10	6			
10:15	68	62			22:15	8	8			
10:30	77	68			22:30	10	8			
10:45	73	267	69	263	22:45	8	36	4	26	
										62
11:00	59	70			23:00	6	2			
11:15	66	76			23:15	4	2			
11:30	80	55			23:30	3	1			
11:45	87	292	55	256	23:45	1	14	5	10	
										24

Total Vol. 1767 2109 **3876** 2687 2171 **4858**

GPS Coordinates:

		Daily Totals			
		NB	SB	EB	WB Combined
		4454	4280		8734

Split %	AM			PM		
	45.6%	54.4%	44.4%	55.3%	44.7%	55.6%
Peak Hour	07:00	07:00	07:00	16:15	12:15	14:30
Volume	401	526	927	415	352	747
P.H.F.	0.83	0.85	0.96	0.92	0.81	0.91

Prepared by: Field Data Services of Arizona/Veracity Traffic Group (520) 316-6745

Volumes for: Wednesday, August 27, 2014

City: Oro Valley

Project #: 14-1250-001

Location: Lambert Ln. east of La Cholla Blvd.

AM Period	NB	SB	EB	WB	PM Period	NB	SB	EB	WB			
00:00			4	2	12:00			59	60			
00:15			2	0	12:15			75	66			
00:30			3	1	12:30			72	60			
00:45			2	11	2	5	16	71	277	51	237	514
01:00			1	3	13:00			63	78			
01:15			2	0	13:15			66	82			
01:30			3	0	13:30			76	81			
01:45			0	6	2	5	11	61	266	94	335	601
02:00			2	2	14:00			70	70			
02:15			0	2	14:15			90	78			
02:30			3	1	14:30			114	88			
02:45			3	8	0	5	13	113	387	91	327	714
03:00			0	2	15:00			108	110			
03:15			1	0	15:15			91	104			
03:30			2	0	15:30			97	107			
03:45			1	4	1	3	7	83	379	118	439	818
04:00			11	3	16:00			80	101			
04:15			9	3	16:15			65	93			
04:30			22	14	16:30			85	83			
04:45			11	53	5	25	78	76	306	109	386	692
05:00			18	6	17:00			82	109			
05:15			34	19	17:15			78	102			
05:30			45	22	17:30			89	81			
05:45			33	130	26	73	203	71	320	70	362	682
06:00			55	28	18:00			65	76			
06:15			71	30	18:15			59	54			
06:30			93	56	18:30			55	57			
06:45			82	301	54	168	469	45	224	61	248	472
07:00			145	79	19:00			53	55			
07:15			126	121	19:15			46	33			
07:30			202	133	19:30			39	42			
07:45			152	625	100	433	1058	29	167	46	176	343
08:00			98	62	20:00			33	51			
08:15			84	43	20:15			25	39			
08:30			78	39	20:30			30	26			
08:45			39	299	55	199	498	27	115	36	152	267
09:00			69	47	21:00			11	30			
09:15			57	41	21:15			14	39			
09:30			67	50	21:30			21	25			
09:45			60	253	65	203	456	13	59	14	108	167
10:00			58	66	22:00			10	10			
10:15			62	50	22:15			6	8			
10:30			61	54	22:30			12	10			
10:45			67	248	50	220	468	11	39	7	35	74
11:00			63	51	23:00			10	11			
11:15			59	51	23:15			2	6			
11:30			72	65	23:30			3	3			
11:45			58	252	62	229	481	4	19	8	28	47

Total Vol. 2190 1568 **3758** 2558 2833 **5391**

GPS Coordinates:

Daily Totals				
NB	SB	EB	WB	Combined
		4748	4401	9149

Split %	AM			PM		
	58.3%	41.7%	41.1%	47.4%	52.6%	58.9%

Peak Hour	07:00	07:00	07:00	14:30	15:00	14:45
Volume	625	433	1058	426	439	821
P.H.F.	0.77	0.81	0.79	0.93	0.93	0.94



**TRAFFIC IMPACT ANALYSIS
PROPOSED NEIGHBORHOOD
SOUTHEAST OF LA CHOLLA BOULEVARD/LAMBERT LANE**

APPENDIX

Trip Generation Calculations

Single-Family Detached Housing

LAND USE: 154 Dwelling Units Single-Family Detached Housing

TRIP GENERATION CALCULATIONS ARE BASED ON THE INSTITUTE OF TRANSPORTATION ENGINEERS' TRIP GENERATION, 9TH EDITION. THE ITE LAND USE CODE IS Single-Family Detached Housing (210)

WEEKDAY

Rate Based on Equation: $\ln(T) = 0.92\ln(X) + 2.72$

Rate = 10.15 Trips per Dwelling Unit (DU)

$T = 10.15 \text{ Trips} \times 154 \text{ DU}$

T = 1564 VPD

ENTER: $(0.5)^*(1564) = 782 \text{ VPD}$

EXIT: $(0.5)^*(1564) = 782 \text{ VPD}$

AM PEAK HOUR (ONE HOUR BETWEEN 7 AND 9 AM)

Rate Based on Equation: $T = 0.70 (X) + 9.74$

Rate = 0.76 Trips per Dwelling Unit (DU)

$T = 0.76 \text{ Trips} \times 154 \text{ DU}$

T = 119 VPH

ENTER: $(0.25)^*(119) = 30 \text{ VPH}$

EXIT: $(0.75)^*(119) = 89 \text{ VPH}$

PM PEAK HOUR (ONE HOUR BETWEEN 4 AND 6 PM)

Rate Based on Equation: $\ln(T) = 0.90\ln(X) + 0.51$

Rate = 1.01 Trips per Dwelling Unit (DU)

$T = 1.01 \text{ Trips} \times 154 \text{ DU}$

T = 155 VPH

ENTER: $(0.63)^*(155) = 98 \text{ VPH}$

EXIT: $(0.37)^*(155) = 57 \text{ VPH}$

*where, T = trip ends

TRIP GENERATION SUMMARY

WEEKDAY	1564 VPD
AM PEAK HOUR (ONE HOUR BETWEEN 7 AND 9 AM)	119 VPH
PM PEAK HOUR (ONE HOUR BETWEEN 4 AND 6 PM)	155 VPH



**TRAFFIC IMPACT ANALYSIS
PROPOSED NEIGHBORHOOD
SOUTHEAST OF LA CHOLLA BOULEVARD/LAMBERT LANE**

APPENDIX

Capacity Calculations

HCM 2010 Signalized Intersection Summary
 3: La Cholla Boulevard & Lambert Lane

9/10/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	59	335	33	112	206	65	20	218	154	91	349	46
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1863	1863	1900	1863	1863	1900
Adj Flow Rate, veh/h	66	372	37	124	229	72	22	242	171	101	388	51
Adj No. of Lanes	1	1	0	1	1	0	1	1	0	1	1	0
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	464	698	69	386	569	179	371	432	305	379	684	90
Arrive On Green	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42	0.42
Sat Flow, veh/h	1074	1668	166	973	1360	428	946	1017	719	969	1613	212
Grp Volume(v), veh/h	66	0	409	124	0	301	22	0	413	101	0	439
Grp Sat Flow(s),veh/h/ln	1074	0	1833	973	0	1787	946	0	1736	969	0	1825
Q Serve(g_s), s	2.3	0.0	8.5	5.6	0.0	6.0	0.9	0.0	9.1	4.5	0.0	9.3
Cycle Q Clear(g_c), s	8.3	0.0	8.5	14.1	0.0	6.0	10.2	0.0	9.1	13.6	0.0	9.3
Prop In Lane	1.00		0.09	1.00		0.24	1.00		0.41	1.00		0.12
Lane Grp Cap(c), veh/h	464	0	767	386	0	748	371	0	736	379	0	774
V/C Ratio(X)	0.14	0.00	0.53	0.32	0.00	0.40	0.06	0.00	0.56	0.27	0.00	0.57
Avail Cap(c_a), veh/h	902	0	1515	783	0	1477	714	0	1366	730	0	1436
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	13.2	0.0	11.1	16.3	0.0	10.3	15.0	0.0	11.1	16.2	0.0	11.1
Incr Delay (d2), s/veh	0.1	0.0	0.6	0.5	0.0	0.3	0.1	0.0	0.7	0.4	0.0	0.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.7	0.0	4.3	1.5	0.0	3.0	0.2	0.0	4.5	1.2	0.0	4.8
LnGrp Delay(d),s/veh	13.4	0.0	11.6	16.8	0.0	10.7	15.0	0.0	11.7	16.6	0.0	11.7
LnGrp LOS	B		B	B		B	B		B	B		B
Approach Vol, veh/h		475			425			435			540	
Approach Delay, s/veh		11.9			12.5			11.9			12.7	
Approach LOS		B			B			B			B	
Timer	1	2	3	4	5	6	7	8				
Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		25.6		25.3		25.6		25.3				
Change Period (Y+Rc), s		4.0		4.0		4.0		4.0				
Max Green Setting (Gmax), s		40.0		42.0		40.0		42.0				
Max Q Clear Time (g_c+1), s		12.2		10.5		15.6		16.1				
Green Ext Time (p_c), s		6.2		5.4		6.0		5.2				
Intersection Summary												
HCM 2010 Ctrl Delay			12.2									
HCM 2010 LOS			B									

Intersection

Int Delay, s/veh 0.1

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Vol, veh/h	4	0	0	383	503	3
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	4	0	0	426	559	3

Major/Minor	Minor2	Major1	Major2
Conflicting Flow All	987	561	562
Stage 1	561	-	-
Stage 2	426	-	-
Critical Hdwy	6.42	6.22	4.12
Critical Hdwy Stg 1	5.42	-	-
Critical Hdwy Stg 2	5.42	-	-
Follow-up Hdwy	3.518	3.318	2.218
Pot Cap-1 Maneuver	274	527	1009
Stage 1	571	-	-
Stage 2	659	-	-
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	274	527	1009
Mov Cap-2 Maneuver	274	-	-
Stage 1	571	-	-
Stage 2	659	-	-

Approach	EB	NB	SB
HCM Control Delay, s	18.4	0	0
HCM LOS	C		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1009	-	274	-	-
HCM Lane V/C Ratio	-	-	0.016	-	-
HCM Control Delay (s)	0	-	18.4	-	-
HCM Lane LOS	A	-	C	-	-
HCM 95th %tile Q(veh)	0	-	0	-	-

HCM 2010 Signalized Intersection Summary
 3: La Cholla Boulevard & Lambert Lane

9/10/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	54	171	8	80	271	45	24	289	122	23	164	41
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1863	1863	1900	1863	1863	1900
Adj Flow Rate, veh/h	60	190	9	89	301	50	27	321	136	26	182	46
Adj No. of Lanes	1	1	0	1	1	0	1	1	0	1	1	0
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	420	644	30	542	568	94	575	510	216	393	590	149
Arrive On Green	0.36	0.36	0.36	0.36	0.36	0.36	0.41	0.41	0.41	0.41	0.41	0.41
Sat Flow, veh/h	1026	1764	84	1179	1558	259	1148	1243	527	931	1436	363
Grp Volume(v), veh/h	60	0	199	89	0	351	27	0	457	26	0	228
Grp Sat Flow(s),veh/h/ln	1026	0	1848	1179	0	1817	1148	0	1770	931	0	1799
Q Serve(g_s), s	1.7	0.0	2.7	2.1	0.0	5.4	0.6	0.0	7.3	0.8	0.0	3.0
Cycle Q Clear(g_c), s	7.2	0.0	2.7	4.8	0.0	5.4	3.6	0.0	7.3	8.1	0.0	3.0
Prop In Lane	1.00		0.05	1.00		0.14	1.00		0.30	1.00		0.20
Lane Grp Cap(c), veh/h	420	0	674	542	0	663	575	0	727	393	0	739
V/C Ratio(X)	0.14	0.00	0.30	0.16	0.00	0.53	0.05	0.00	0.63	0.07	0.00	0.31
Avail Cap(c_a), veh/h	1256	0	2179	1502	0	2143	1393	0	1988	1056	0	2020
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	11.7	0.0	8.1	9.8	0.0	8.9	8.3	0.0	8.3	11.6	0.0	7.1
Incr Delay (d2), s/veh	0.2	0.0	0.2	0.1	0.0	0.7	0.0	0.0	0.9	0.1	0.0	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.5	0.0	1.4	0.7	0.0	2.8	0.2	0.0	3.6	0.2	0.0	1.5
LnGrp Delay(d),s/veh	11.9	0.0	8.3	9.9	0.0	9.6	8.3	0.0	9.2	11.6	0.0	7.3
LnGrp LOS	B		A	A		A	A		A	B		A
Approach Vol, veh/h		259			440			484			254	
Approach Delay, s/veh		9.1			9.6			9.2			7.8	
Approach LOS		A			A			A			A	
Timer	1	2	3	4	5	6	7	8				
Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		18.6		17.0		18.6		17.0				
Change Period (Y+Rc), s		4.0		4.0		4.0		4.0				
Max Green Setting (Gmax), s		40.0		42.0		40.0		42.0				
Max Q Clear Time (g_c+1), s		9.3		9.2		10.1		7.4				
Green Ext Time (p_c), s		4.5		3.8		4.5		3.9				
Intersection Summary												
HCM 2010 Ctrl Delay			9.1									
HCM 2010 LOS			A									

Intersection

Int Delay, s/veh 0

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Vol, veh/h	1	1	1	425	242	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	1	1	1	472	269	0

Major/Minor	Minor2	Major1	Major2
Conflicting Flow All	743	269	0
Stage 1	269	-	-
Stage 2	474	-	-
Critical Hdwy	6.42	6.22	4.12
Critical Hdwy Stg 1	5.42	-	-
Critical Hdwy Stg 2	5.42	-	-
Follow-up Hdwy	3.518	3.318	2.218
Pot Cap-1 Maneuver	383	770	1295
Stage 1	776	-	-
Stage 2	626	-	-
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	383	770	1295
Mov Cap-2 Maneuver	383	-	-
Stage 1	776	-	-
Stage 2	625	-	-

Approach	EB	NB	SB
HCM Control Delay, s	12.1	0	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1295	-	512	-	-
HCM Lane V/C Ratio	0.001	-	0.004	-	-
HCM Control Delay (s)	7.8	0	12.1	-	-
HCM Lane LOS	A	A	B	-	-
HCM 95th %tile Q(veh)	0	-	0	-	-

HCM 2010 Signalized Intersection Summary
 3: La Cholla Boulevard & Lambert Lane

9/10/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	62	349	35	117	215	68	21	227	161	95	358	48
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1863	1863	1900	1863	1863	1900
Adj Flow Rate, veh/h	69	388	39	130	239	76	23	252	179	106	398	53
Adj No. of Lanes	1	1	0	1	1	0	1	1	0	1	1	0
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	451	710	71	371	578	184	357	436	310	360	692	92
Arrive On Green	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43	0.43
Sat Flow, veh/h	1060	1666	167	957	1356	431	936	1015	721	953	1610	214
Grp Volume(v), veh/h	69	0	427	130	0	315	23	0	431	106	0	451
Grp Sat Flow(s),veh/h/ln	1060	0	1833	957	0	1787	936	0	1736	953	0	1825
Q Serve(g_s), s	2.7	0.0	9.7	6.5	0.0	6.8	1.1	0.0	10.4	5.3	0.0	10.4
Cycle Q Clear(g_c), s	9.5	0.0	9.7	16.2	0.0	6.8	11.4	0.0	10.4	15.7	0.0	10.4
Prop In Lane	1.00		0.09	1.00		0.24	1.00		0.42	1.00		0.12
Lane Grp Cap(c), veh/h	451	0	781	371	0	761	357	0	745	360	0	784
V/C Ratio(X)	0.15	0.00	0.55	0.35	0.00	0.41	0.06	0.00	0.58	0.29	0.00	0.58
Avail Cap(c_a), veh/h	804	0	1390	689	0	1355	630	0	1253	639	0	1318
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(I)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	14.4	0.0	11.9	17.9	0.0	11.1	16.3	0.0	12.0	18.0	0.0	12.0
Incr Delay (d2), s/veh	0.2	0.0	0.6	0.6	0.0	0.4	0.1	0.0	0.7	0.5	0.0	0.7
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.8	0.0	5.0	1.8	0.0	3.4	0.3	0.0	5.1	1.4	0.0	5.3
LnGrp Delay(d),s/veh	14.5	0.0	12.5	18.5	0.0	11.4	16.4	0.0	12.7	18.4	0.0	12.6
LnGrp LOS	B		B	B		B	B		B	B		B
Approach Vol, veh/h		496			445			454			557	
Approach Delay, s/veh		12.8			13.5			12.9			13.7	
Approach LOS		B			B			B			B	
Timer	1	2	3	4	5	6	7	8				
Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		27.8		27.6		27.8		27.6				
Change Period (Y+Rc), s		4.0		4.0		4.0		4.0				
Max Green Setting (Gmax), s		40.0		42.0		40.0		42.0				
Max Q Clear Time (g_c+1), s		13.4		11.7		17.7		18.2				
Green Ext Time (p_c), s		6.4		5.7		6.1		5.4				
Intersection Summary												
HCM 2010 Ctrl Delay			13.2									
HCM 2010 LOS			B									

Intersection

Int Delay, s/veh 0.1

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Vol, veh/h	5	0	0	399	524	4
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	6	0	0	443	582	4

Major/Minor	Minor2	Major1	Major2
Conflicting Flow All	1027	584	587
Stage 1	584	-	-
Stage 2	443	-	-
Critical Hdwy	6.42	6.22	4.12
Critical Hdwy Stg 1	5.42	-	-
Critical Hdwy Stg 2	5.42	-	-
Follow-up Hdwy	3.518	3.318	2.218
Pot Cap-1 Maneuver	260	512	988
Stage 1	557	-	-
Stage 2	647	-	-
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	260	512	988
Mov Cap-2 Maneuver	260	-	-
Stage 1	557	-	-
Stage 2	647	-	-

Approach	EB	NB	SB
HCM Control Delay, s	19.1	0	0
HCM LOS	C		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	988	-	260	-	-
HCM Lane V/C Ratio	-	-	0.021	-	-
HCM Control Delay (s)	0	-	19.1	-	-
HCM Lane LOS	A	-	C	-	-
HCM 95th %tile Q(veh)	0	-	0.1	-	-

HCM 2010 Signalized Intersection Summary
 3: La Cholla Boulevard & Lambert Lane

9/10/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	57	178	9	84	282	47	25	301	127	24	171	43
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1863	1863	1900	1863	1863	1900
Adj Flow Rate, veh/h	63	198	10	93	313	52	28	334	141	27	190	48
Adj No. of Lanes	1	1	0	1	1	0	1	1	0	1	1	0
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	407	652	33	531	578	96	564	519	219	377	598	151
Arrive On Green	0.37	0.37	0.37	0.37	0.37	0.37	0.42	0.42	0.42	0.42	0.42	0.42
Sat Flow, veh/h	1013	1758	89	1169	1558	259	1138	1245	525	915	1436	363
Grp Volume(v), veh/h	63	0	208	93	0	365	28	0	475	27	0	238
Grp Sat Flow(s),veh/h/ln	1013	0	1847	1169	0	1817	1138	0	1770	915	0	1799
Q Serve(g_s), s	2.0	0.0	3.0	2.3	0.0	6.0	0.6	0.0	8.1	0.9	0.0	3.3
Cycle Q Clear(g_c), s	7.9	0.0	3.0	5.3	0.0	6.0	4.0	0.0	8.1	9.0	0.0	3.3
Prop In Lane	1.00		0.05	1.00		0.14	1.00		0.30	1.00		0.20
Lane Grp Cap(c), veh/h	407	0	685	531	0	674	564	0	737	377	0	749
V/C Ratio(X)	0.15	0.00	0.30	0.17	0.00	0.54	0.05	0.00	0.64	0.07	0.00	0.32
Avail Cap(c_a), veh/h	1161	0	2061	1402	0	2027	1299	0	1881	968	0	1911
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	12.4	0.0	8.4	10.3	0.0	9.3	8.7	0.0	8.8	12.3	0.0	7.4
Incr Delay (d2), s/veh	0.2	0.0	0.2	0.2	0.0	0.7	0.0	0.0	0.9	0.1	0.0	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.6	0.0	1.5	0.7	0.0	3.1	0.2	0.0	4.0	0.2	0.0	1.7
LnGrp Delay(d),s/veh	12.6	0.0	8.6	10.4	0.0	10.0	8.8	0.0	9.7	12.4	0.0	7.6
LnGrp LOS	B		A	B		B	A		A	B		A
Approach Vol, veh/h		271			458			503			265	
Approach Delay, s/veh		9.6			10.1			9.7			8.1	
Approach LOS		A			B			A			A	
Timer	1	2	3	4	5	6	7	8				
Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		19.7		18.0		19.7		18.0				
Change Period (Y+Rc), s		4.0		4.0		4.0		4.0				
Max Green Setting (Gmax), s		40.0		42.0		40.0		42.0				
Max Q Clear Time (g_c+1), s		10.1		9.9		11.0		8.0				
Green Ext Time (p_c), s		4.7		4.0		4.7		4.1				
Intersection Summary												
HCM 2010 Ctrl Delay			9.5									
HCM 2010 LOS			A									

Intersection

Int Delay, s/veh 0.1

Movement	EBL	EBR	NBL	NBT	SBT	SBR
Vol, veh/h	2	2	2	443	252	0
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Stop	Stop	Free	Free	Free	Free
RT Channelized	-	None	-	None	-	None
Storage Length	0	-	-	-	-	-
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	2	2	2	492	280	0

Major/Minor	Minor2	Major1	Major2
Conflicting Flow All	777	280	280
Stage 1	280	-	-
Stage 2	497	-	-
Critical Hdwy	6.42	6.22	4.12
Critical Hdwy Stg 1	5.42	-	-
Critical Hdwy Stg 2	5.42	-	-
Follow-up Hdwy	3.518	3.318	2.218
Pot Cap-1 Maneuver	365	759	1283
Stage 1	767	-	-
Stage 2	611	-	-
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	364	759	1283
Mov Cap-2 Maneuver	364	-	-
Stage 1	767	-	-
Stage 2	610	-	-

Approach	EB	NB	SB
HCM Control Delay, s	12.4	0	0
HCM LOS	B		

Minor Lane/Major Mvmt	NBL	NBT	EBLn1	SBT	SBR
Capacity (veh/h)	1283	-	492	-	-
HCM Lane V/C Ratio	0.002	-	0.009	-	-
HCM Control Delay (s)	7.8	0	12.4	-	-
HCM Lane LOS	A	A	B	-	-
HCM 95th %tile Q(veh)	0	-	0	-	-

HCM 2010 Signalized Intersection Summary
 3: La Cholla Boulevard & Lambert Lane

9/10/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	62	352	38	136	224	73	30	231	183	97	359	48
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1863	1863	1900	1863	1863	1900
Adj Flow Rate, veh/h	69	391	42	151	249	81	33	257	203	108	399	53
Adj No. of Lanes	1	1	0	1	1	0	1	1	0	1	1	0
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	437	719	77	364	586	191	350	421	332	331	702	93
Arrive On Green	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44	0.44
Sat Flow, veh/h	1046	1654	178	951	1347	438	935	966	763	928	1611	214
Grp Volume(v), veh/h	69	0	433	151	0	330	33	0	460	108	0	452
Grp Sat Flow(s),veh/h/ln	1046	0	1831	951	0	1785	935	0	1728	928	0	1825
Q Serve(g_s), s	3.0	0.0	10.9	8.7	0.0	7.9	1.7	0.0	12.7	6.3	0.0	11.5
Cycle Q Clear(g_c), s	11.0	0.0	10.9	19.5	0.0	7.9	13.2	0.0	12.7	19.0	0.0	11.5
Prop In Lane	1.00		0.10	1.00		0.25	1.00		0.44	1.00		0.12
Lane Grp Cap(c), veh/h	437	0	797	364	0	777	350	0	753	331	0	796
V/C Ratio(X)	0.16	0.00	0.54	0.42	0.00	0.42	0.09	0.00	0.61	0.33	0.00	0.57
Avail Cap(c_a), veh/h	690	0	1240	594	0	1209	545	0	1114	525	0	1177
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	16.0	0.0	13.0	20.2	0.0	12.1	18.1	0.0	13.4	20.7	0.0	13.1
Incr Delay (d2), s/veh	0.2	0.0	0.6	0.8	0.0	0.4	0.1	0.0	0.8	0.6	0.0	0.6
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.9	0.0	5.5	2.3	0.0	3.9	0.5	0.0	6.2	1.6	0.0	5.9
LnGrp Delay(d),s/veh	16.1	0.0	13.5	20.9	0.0	12.5	18.2	0.0	14.3	21.3	0.0	13.8
LnGrp LOS	B		B	C		B	B		B	C		B
Approach Vol, veh/h		502			481			493			560	
Approach Delay, s/veh		13.9			15.2			14.5			15.2	
Approach LOS		B			B			B			B	
Timer	1	2	3	4	5	6	7	8				
Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		31.0		31.0		31.0		31.0				
Change Period (Y+Rc), s		4.0		4.0		4.0		4.0				
Max Green Setting (Gmax), s		40.0		42.0		40.0		42.0				
Max Q Clear Time (g_c+1), s		15.2		13.0		21.0		21.5				
Green Ext Time (p_c), s		6.7		6.0		6.1		5.5				
Intersection Summary												
HCM 2010 Ctrl Delay			14.7									
HCM 2010 LOS			B									

Intersection

Int Delay, s/veh 0.9

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR
Vol, veh/h	5	0	0	13	0	31	0	403	5
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	0	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2
Mvmt Flow	6	0	0	14	0	34	0	448	6

Major/Minor	Minor2			Minor1			Major1		
Conflicting Flow All	1089	1074	599	1072	1074	451	601	0	0
Stage 1	621	621	-	451	451	-	-	-	-
Stage 2	468	453	-	621	623	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-
Pot Cap-1 Maneuver	193	220	502	198	220	608	976	-	-
Stage 1	475	479	-	588	571	-	-	-	-
Stage 2	575	570	-	475	478	-	-	-	-
Platoon blocked, %									
Mov Cap-1 Maneuver	180	217	502	196	217	608	976	-	-
Mov Cap-2 Maneuver	180	217	-	196	217	-	-	-	-
Stage 1	475	472	-	588	571	-	-	-	-
Stage 2	542	570	-	468	471	-	-	-	-

Approach	EB	WB	NB
HCM Control Delay, s	25.6	15.3	0
HCM LOS	D	C	

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	WBLn2	SBL	SBT	SBR
Capacity (veh/h)	976	-	-	180	196	608	1108	-	-
HCM Lane V/C Ratio	-	-	-	0.031	0.074	0.057	0.01	-	-
HCM Control Delay (s)	0	-	-	25.6	24.8	11.3	8.3	0	-
HCM Lane LOS	A	-	-	D	C	B	A	A	-
HCM 95th %tile Q(veh)	0	-	-	0.1	0.2	0.2	0	-	-

Intersection

Int Delay, s/veh

Movement	SBL	SBT	SBR
Vol, veh/h	10	537	4
Conflicting Peds, #/hr	0	0	0
Sign Control	Free	Free	Free
RT Channelized	-	-	None
Storage Length	-	-	-
Veh in Median Storage, #	-	0	-
Grade, %	-	0	-
Peak Hour Factor	90	90	90
Heavy Vehicles, %	2	2	2
Mvmt Flow	11	597	4

Major/Minor

	Major2		
Conflicting Flow All	453	0	0
Stage 1	-	-	-
Stage 2	-	-	-
Critical Hdwy	4.12	-	-
Critical Hdwy Stg 1	-	-	-
Critical Hdwy Stg 2	-	-	-
Follow-up Hdwy	2.218	-	-
Pot Cap-1 Maneuver	1108	-	-
Stage 1	-	-	-
Stage 2	-	-	-
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	1108	-	-
Mov Cap-2 Maneuver	-	-	-
Stage 1	-	-	-
Stage 2	-	-	-

Approach

	SB
HCM Control Delay, s	0.2
HCM LOS	

Minor Lane/Major Mvmt

Intersection

Int Delay, s/veh 1

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Vol, veh/h	623	9	6	6	27	18
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	100	-	0	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	692	10	7	7	30	20

Major/Minor	Major1	Major2	Minor1	Minor2
Conflicting Flow All	0	0	702	0
Stage 1	-	-	-	-
Stage 2	-	-	-	-
Critical Hdwy	-	-	4.12	-
Critical Hdwy Stg 1	-	-	-	-
Critical Hdwy Stg 2	-	-	-	-
Follow-up Hdwy	-	-	2.218	-
Pot Cap-1 Maneuver	-	-	895	-
Stage 1	-	-	-	-
Stage 2	-	-	-	-
Platoon blocked, %	-	-	-	-
Mov Cap-1 Maneuver	-	-	895	-
Mov Cap-2 Maneuver	-	-	-	-
Stage 1	-	-	-	-
Stage 2	-	-	-	-

Approach	EB	WB	NB
HCM Control Delay, s	0	4.5	14.4
HCM LOS			B

Minor Lane/Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (veh/h)	393	441	-	-	895	-
HCM Lane V/C Ratio	0.076	0.045	-	-	0.007	-
HCM Control Delay (s)	14.9	13.6	-	-	9.1	-
HCM Lane LOS	B	B	-	-	A	-
HCM 95th %tile Q(veh)	0.2	0.1	-	-	0	-

HCM 2010 Signalized Intersection Summary
 3: La Cholla Boulevard & Lambert Lane

9/10/2014

												
Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR	SBL	SBT	SBR
Lane Configurations												
Volume (veh/h)	57	187	18	112	288	50	31	304	153	29	176	43
Number	7	4	14	3	8	18	5	2	12	1	6	16
Initial Q (Qb), veh	0	0	0	0	0	0	0	0	0	0	0	0
Ped-Bike Adj(A_pbT)	1.00		1.00	1.00		1.00	1.00		1.00	1.00		1.00
Parking Bus, Adj	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Adj Sat Flow, veh/h/ln	1863	1863	1900	1863	1863	1900	1863	1863	1900	1863	1863	1900
Adj Flow Rate, veh/h	63	208	20	124	320	56	34	338	170	32	196	48
Adj No. of Lanes	1	1	0	1	1	0	1	1	0	1	1	0
Peak Hour Factor	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90	0.90
Percent Heavy Veh, %	2	2	2	2	2	2	2	2	2	2	2	2
Cap, veh/h	385	624	60	501	576	101	564	506	255	354	625	153
Arrive On Green	0.37	0.37	0.37	0.37	0.37	0.37	0.43	0.43	0.43	0.43	0.43	0.43
Sat Flow, veh/h	1003	1673	161	1148	1545	270	1131	1170	589	888	1446	354
Grp Volume(v), veh/h	63	0	228	124	0	376	34	0	508	32	0	244
Grp Sat Flow(s),veh/h/ln	1003	0	1834	1148	0	1815	1131	0	1759	888	0	1800
Q Serve(g_s), s	2.2	0.0	3.7	3.6	0.0	6.7	0.8	0.0	9.5	1.2	0.0	3.7
Cycle Q Clear(g_c), s	8.9	0.0	3.7	7.2	0.0	6.7	4.5	0.0	9.5	10.7	0.0	3.7
Prop In Lane	1.00		0.09	1.00		0.15	1.00		0.33	1.00		0.20
Lane Grp Cap(c), veh/h	385	0	684	501	0	677	564	0	761	354	0	778
V/C Ratio(X)	0.16	0.00	0.33	0.25	0.00	0.56	0.06	0.00	0.67	0.09	0.00	0.31
Avail Cap(c_a), veh/h	1035	0	1874	1246	0	1854	1175	0	1711	834	0	1752
HCM Platoon Ratio	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
Upstream Filter(l)	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00	1.00	0.00	1.00
Uniform Delay (d), s/veh	13.7	0.0	9.2	11.8	0.0	10.2	9.1	0.0	9.3	13.6	0.0	7.7
Incr Delay (d2), s/veh	0.2	0.0	0.3	0.3	0.0	0.7	0.0	0.0	1.0	0.1	0.0	0.2
Initial Q Delay(d3),s/veh	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
%ile BackOfQ(50%),veh/ln	0.6	0.0	1.9	1.1	0.0	3.5	0.3	0.0	4.7	0.3	0.0	1.8
LnGrp Delay(d),s/veh	13.9	0.0	9.5	12.1	0.0	10.9	9.2	0.0	10.3	13.7	0.0	7.9
LnGrp LOS	B		A	B		B	A		B	B		A
Approach Vol, veh/h		291			500			542			276	
Approach Delay, s/veh		10.5			11.2			10.3			8.6	
Approach LOS		B			B			B			A	
Timer	1	2	3	4	5	6	7	8				
Assigned Phs		2		4		6		8				
Phs Duration (G+Y+Rc), s		21.8		19.3		21.8		19.3				
Change Period (Y+Rc), s		4.0		4.0		4.0		4.0				
Max Green Setting (Gmax), s		40.0		42.0		40.0		42.0				
Max Q Clear Time (g_c+1), s		11.5		10.9		12.7		9.2				
Green Ext Time (p_c), s		5.1		4.4		5.1		4.5				
Intersection Summary												
HCM 2010 Ctrl Delay				10.3								
HCM 2010 LOS				B								

Intersection

Int Delay, s/veh 0.9

Movement	EBL	EBT	EBR	WBL	WBT	WBR	NBL	NBT	NBR
Vol, veh/h	2	0	2	8	0	20	2	458	15
Conflicting Peds, #/hr	0	0	0	0	0	0	0	0	0
Sign Control	Stop	Stop	Stop	Stop	Stop	Stop	Free	Free	Free
RT Channelized	-	-	None	-	-	None	-	-	None
Storage Length	-	-	-	0	-	-	-	-	-
Veh in Median Storage, #	-	0	-	-	0	-	-	0	-
Grade, %	-	0	-	-	0	-	-	0	-
Peak Hour Factor	90	90	90	90	90	90	90	90	90
Heavy Vehicles, %	2	2	2	2	2	2	2	2	2
Mvmt Flow	2	0	2	9	0	22	2	509	17

Major/Minor	Minor2			Minor1			Major1		
Conflicting Flow All	897	894	289	888	886	517	289	0	0
Stage 1	364	364	-	522	522	-	-	-	-
Stage 2	533	530	-	366	364	-	-	-	-
Critical Hdwy	7.12	6.52	6.22	7.12	6.52	6.22	4.12	-	-
Critical Hdwy Stg 1	6.12	5.52	-	6.12	5.52	-	-	-	-
Critical Hdwy Stg 2	6.12	5.52	-	6.12	5.52	-	-	-	-
Follow-up Hdwy	3.518	4.018	3.318	3.518	4.018	3.318	2.218	-	-
Pot Cap-1 Maneuver	261	280	750	264	284	558	1273	-	-
Stage 1	655	624	-	538	531	-	-	-	-
Stage 2	531	527	-	653	624	-	-	-	-
Platoon blocked, %									
Mov Cap-1 Maneuver	242	267	750	254	271	558	1273	-	-
Mov Cap-2 Maneuver	242	267	-	254	271	-	-	-	-
Stage 1	654	597	-	537	530	-	-	-	-
Stage 2	509	526	-	623	597	-	-	-	-

Approach	EB	WB	NB
HCM Control Delay, s	15	14	0
HCM LOS	C	B	

Minor Lane/Major Mvmt	NBL	NBT	NBR	EBLn1	WBLn1	WBLn2	SBL	SBT	SBR
Capacity (veh/h)	1273	-	-	366	254	558	1041	-	-
HCM Lane V/C Ratio	0.002	-	-	0.012	0.035	0.04	0.036	-	-
HCM Control Delay (s)	7.8	0	-	15	19.7	11.7	8.6	0	-
HCM Lane LOS	A	A	-	C	C	B	A	A	-
HCM 95th %tile Q(veh)	0	-	-	0	0.1	0.1	0.1	-	-

Intersection

Int Delay, s/veh

Movement	SBL	SBT	SBR
Vol, veh/h	34	260	0
Conflicting Peds, #/hr	0	0	0
Sign Control	Free	Free	Free
RT Channelized	-	-	None
Storage Length	-	-	-
Veh in Median Storage, #	-	0	-
Grade, %	-	0	-
Peak Hour Factor	90	90	90
Heavy Vehicles, %	2	2	2
Mvmt Flow	38	289	0

Major/Minor	Major2		
Conflicting Flow All	526	0	0
Stage 1	-	-	-
Stage 2	-	-	-
Critical Hdwy	4.12	-	-
Critical Hdwy Stg 1	-	-	-
Critical Hdwy Stg 2	-	-	-
Follow-up Hdwy	2.218	-	-
Pot Cap-1 Maneuver	1041	-	-
Stage 1	-	-	-
Stage 2	-	-	-
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	1041	-	-
Mov Cap-2 Maneuver	-	-	-
Stage 1	-	-	-
Stage 2	-	-	-

Approach SB

HCM Control Delay, s	1
HCM LOS	

Minor Lane/Major Mvmt

Intersection

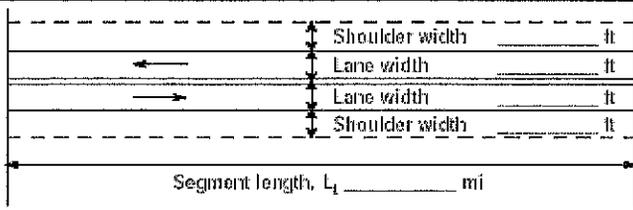
Int Delay, s/veh 1.1

Movement	EBT	EBR	WBL	WBT	NBL	NBR
Vol, veh/h	340	29	20	20	17	12
Conflicting Peds, #/hr	0	0	0	0	0	0
Sign Control	Free	Free	Free	Free	Stop	Stop
RT Channelized	-	None	-	None	-	None
Storage Length	-	-	100	-	0	0
Veh in Median Storage, #	0	-	-	0	0	-
Grade, %	0	-	-	0	0	-
Peak Hour Factor	90	90	90	90	90	90
Heavy Vehicles, %	2	2	2	2	2	2
Mvmt Flow	378	32	22	22	19	13

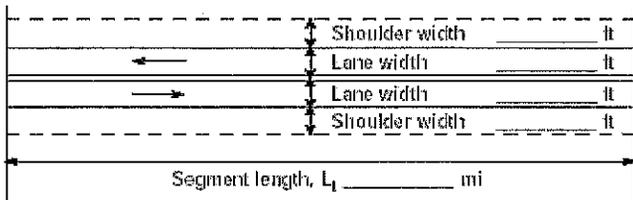
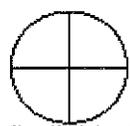
Major/Minor	Major1	Major2	Minor1
Conflicting Flow All	0	0	410
Stage 1	-	-	394
Stage 2	-	-	67
Critical Hdwy	-	-	4.12
Critical Hdwy Stg 1	-	-	5.42
Critical Hdwy Stg 2	-	-	5.42
Follow-up Hdwy	-	-	2.218
Pot Cap-1 Maneuver	-	-	1149
Stage 1	-	-	681
Stage 2	-	-	956
Platoon blocked, %	-	-	-
Mov Cap-1 Maneuver	-	-	1149
Mov Cap-2 Maneuver	-	-	548
Stage 1	-	-	681
Stage 2	-	-	938

Approach	EB	WB	NB
HCM Control Delay, s	0	4.1	11.3
HCM LOS			B

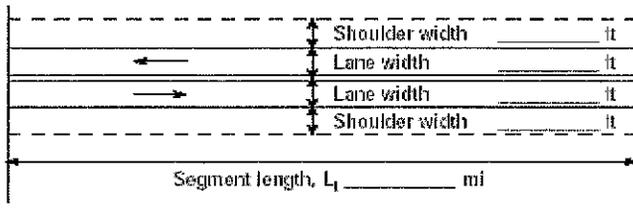
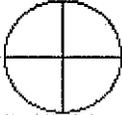
Minor Lane/Major Mvmt	NBLn1	NBLn2	EBT	EBR	WBL	WBT
Capacity (veh/h)	548	655	-	-	1149	-
HCM Lane V/C Ratio	0.034	0.02	-	-	0.019	-
HCM Control Delay (s)	11.8	10.6	-	-	8.2	-
HCM Lane LOS	B	B	-	-	A	-
HCM 95th %tile Q(veh)	0.1	0.1	-	-	0.1	-

DIRECTIONAL TWO-LANE HIGHWAY SEGMENT WORKSHEET			
General Information		Site Information	
Analyst Agency or Company Date Performed Analysis Time Period	<i>Gutknecht SWTE 9/12/2014</i>	Highway / Direction of Travel From/To Jurisdiction Analysis Year	<i>Lambert Lane (westbound) AM Peak Hour - existing</i>
Project Description: <i>Lambert Lane East of La Cholla</i>			
Input Data			
		<input type="checkbox"/> Class I highway <input type="checkbox"/> Class II highway <input checked="" type="checkbox"/> Class III highway Terrain <input type="checkbox"/> Level <input checked="" type="checkbox"/> Rolling Grade Length mi Up/down Peak-hour factor, PHF 0.90 No-passing zone 0% % Trucks and Buses, P _T 6% % Recreational vehicles, P _R 4% Access points mi 1/mi	
Analysis direction vol., V _d	383veh/h		
Opposing direction vol., V _o	580veh/h		
Shoulder width ft	2.0		
Lane Width ft	12.0		
Segment Length mi	0.5		
Average Travel Speed			
	Analysis Direction (d)	Opposing Direction (o)	
Passenger-car equivalents for trucks, E _T (Exhibit 15-11 or 15-12)	1.9	1.7	
Passenger-car equivalents for RVs, E _R (Exhibit 15-11 or 15-13)	1.1	1.1	
Heavy-vehicle adjustment factor, f _{HV,ATS} = 1 / (1 + P _T (E _T -1) + P _R (E _R -1))	0.945	0.956	
Grade adjustment factor ¹ , f _{g,ATS} (Exhibit 15-9)	0.91	0.97	
Demand flow rate ² , v _i (pc/h) v _i = V _i / (PHF * f _{g,ATS} * f _{HV,ATS})	495	695	
Free-Flow Speed from Field Measurement	Estimated Free-Flow Speed		
Mean speed of sample ³ , S _{FM}	Base free-flow speed ⁴ , BFFS 45.0 mi/h		
Total demand flow rate, both directions, v	Adj. for lane and shoulder width ⁴ , f _{LS} (Exhibit 15-7) 2.6 mi/h		
Free-flow speed, FFS = S _{FM} + 0.00776(v f _{HV,ATS})	Adj. for access points ⁴ , f _A (Exhibit 15-8) 0.3 mi/h		
Adj. for no-passing zones, f _{np,ATS} (Exhibit 15-15) 0.4 mi/h	Free-flow speed, FFS (FFS = BFFS - f _{LS} - f _A) 42.2 mi/h		
	Average travel speed, ATS _d = FFS - 0.00776(v _{d,ATS} + V _{o,ATS}) - f _{np,ATS} 32.6 mi/h		
	Percent free flow speed, PFFS 77.3 %		
Percent Time-Spent-Following			
	Analysis Direction (d)	Opposing Direction (o)	
Passenger-car equivalents for trucks, E _T (Exhibit 15-18 or 15-19)	1.4	1.0	
Passenger-car equivalents for RVs, E _R (Exhibit 15-18 or 15-19)	1.0	1.0	
Heavy-vehicle adjustment factor, f _{HV} = 1 / (1 + P _T (E _T -1) + P _R (E _R -1))	0.977	1.000	
Grade adjustment factor ¹ , f _{g,PTSF} (Exhibit 15-16 or Ex 15-17)	0.92	0.98	
Directional flow rate ² , v _i (pc/h) v _i = V _i / (PHF * f _{HV,PTSF} * f _{g,PTSF})	474	658	
Base percent time-spent-following ⁴ , BPTSF _d (%) = 100(1 - e ^{-av_d})	51.1		
Adj. for no-passing zone, f _{np,PTSF} (Exhibit 15-21)	12.5		
Percent time-spent-following, PTSF _d (%) = BPTSF _d + f _{np,PTSF} * (v _{d,PTSF} / v _{d,PTSF} + V _{o,PTSF})	56.3		
Level of Service and Other Performance Measures			
Level of service, LOS (Exhibit 15-3)	C		
Volume to capacity ratio, v/c	0.29		

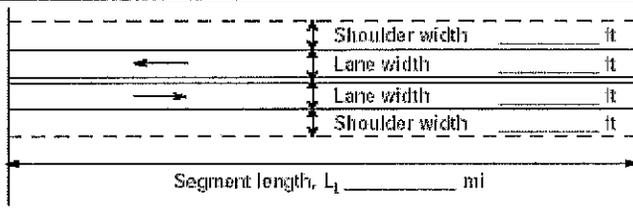
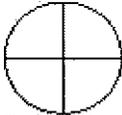
Capacity, $C_{d,ATS}$ (Equation 15-12) veh/h	1603
Capacity, $C_{d,PTSF}$ (Equation 15-13) veh/h	1666
Percent Free-Flow Speed PF_{FS_d} (Equation 15-11 - Class III only)	77.3
Bicycle Level of Service	
Directional demand flow rate in outside lane, v_{OL} (Eq. 15-24) veh/h	425.6
Effective width, W_v (Eq. 15-29) ft	14.00
Effective speed factor, S_f (Eq. 15-30)	4.79
Bicycle level of service score, BLOS (Eq. 15-31)	5.45
Bicycle level of service (Exhibit 15-4)	E
Notes	
<p>1. Note that the adjustment factor for level terrain is 1.00, as level terrain is one of the base conditions. For the purpose of grade adjustment, specific downgrade segments are treated as level terrain.</p> <p>2. If v_d or $v_o \geq 1,700$ pc/h, terminate analysis--the LOS is F.</p> <p>3. For the analysis direction only and for $v > 200$ veh/h.</p> <p>4. For the analysis direction only</p> <p>5. Exhibit 15-20 provides coefficients a and b for Equation 15-10.</p> <p>6. Use alternative Exhibit 15-14 if some trucks operate at crawl speeds on a specific downgrade.</p>	

DIRECTIONAL TWO-LANE HIGHWAY SEGMENT WORKSHEET		
General Information		Site Information
Analyst Agency or Company Date Performed Analysis Time Period	Gutknecht SWTE 9/12/2014	Highway / Direction of Travel From/To Jurisdiction Analysis Year
Project Description: Lambert Lane East of La Cholla		Lambert Lane (westbound) PM Peak Hour - existing
Input Data		
 <p style="margin-top: 10px;">Analysis direction vol., V_d 396veh/h Opposing direction vol., V_o 316veh/h Shoulder width ft 2.0 Lane Width ft 12.0 Segment Length mi 0.5</p>	<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  Show North Arrow </div> <div style="font-size: small;"> <input type="checkbox"/> Class I highway <input type="checkbox"/> Class II highway <input checked="" type="checkbox"/> Class III highway Terrain <input type="checkbox"/> Level <input checked="" type="checkbox"/> Rolling Grade Length mi Up/down Peak-hour factor, PHF 0.90 No-passing zone 0% % Trucks and Buses, P_T 6 % % Recreational vehicles, P_R 4% Access points mi 1/mi </div> </div>	
Average Travel Speed		
	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E_T (Exhibit 15-11 or 15-12)	1.9	2.0
Passenger-car equivalents for RVs, E_R (Exhibit 15-11 or 15-13)	1.1	1.1
Heavy-vehicle adjustment factor, $f_{HV,ATS} = 1 / (1 + P_T(E_T - 1) + P_R(E_R - 1))$	0.945	0.940
Grade adjustment factor ¹ , $f_{g,ATS}$ (Exhibit 15-9)	0.92	0.87
Demand flow rate ² , v_i (pc/h) $v_i = V_i / (PHF * f_{g,ATS} * f_{HV,ATS})$	506	429
Free-Flow Speed from Field Measurement	Estimated Free-Flow Speed	
Mean speed of sample ³ , S_{FM}	Base free-flow speed ⁴ , BFFS	45.0 mi/h
Total demand flow rate, both directions, v	Adj. for lane and shoulder width ⁴ , f_{LS} (Exhibit 15-7)	2.6 mi/h
Free-flow speed, $FFS = S_{FM} + 0.00776(v * f_{HV,ATS})$	Adj. for access points ⁴ , f_A (Exhibit 15-8)	0.3 mi/h
Adj. for no-passing zones, $f_{np,ATS}$ (Exhibit 15-15) 0.8 mi/h	Free-flow speed, FFS (FSS=BFFS- f_{LS} - f_A)	42.2 mi/h
	Average travel speed, $ATS_d = FFS - 0.00776(v_{d,ATS} + v_{o,ATS}) - f_{np,ATS}$	34.1 mi/h
	Percent free flow speed, PFFS	80.8 %
Percent Time-Spent-Following		
	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E_T (Exhibit 15-18 or 15-19)	1.4	1.6
Passenger-car equivalents for RVs, E_R (Exhibit 15-18 or 15-19)	1.0	1.0
Heavy-vehicle adjustment factor, $f_{HV} = 1 / (1 + P_T(E_T - 1) + P_R(E_R - 1))$	0.977	0.965
Grade adjustment factor ¹ , $f_{g,PTSF}$ (Exhibit 15-16 or Ex 15-17)	0.92	0.88
Directional flow rate ² , v_i (pc/h) $v_i = V_i / (PHF * f_{HV,PTSF} * f_{g,PTSF})$	490	413
Base percent time-spent-following ⁴ , $BPTSF_d(\%) = 100(1 - e^{-av_d^b})$	49.7	
Adj. for no-passing zone, $f_{np,PTSF}$ (Exhibit 15-21)	14.2	
Percent time-spent-following, $PTSF_d(\%) = BPTSF_d + f_{np,PTSF} * (v_{d,PTSF} / v_{d,PTSF} + v_{o,PTSF})$	57.4	
Level of Service and Other Performance Measures		
Level of service, LOS (Exhibit 15-3)	C	
Volume to capacity ratio, v/c	0.30	

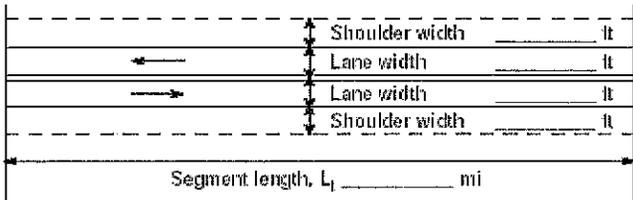
Capacity, $C_{d,ATS}$ (Equation 15-12) veh/h	1454
Capacity, $C_{d,PTSF}$ (Equation 15-13) veh/h	1511
Percent Free-Flow Speed $PFFS_d$ (Equation 15-11 - Class III only)	80.8
Bicycle Level of Service	
Directional demand flow rate in outside lane, v_{OL} (Eq. 15-24) veh/h	440.0
Effective width, W_v (Eq. 15-29) ft	14.00
Effective speed factor, S_f (Eq. 15-30)	4.79
Bicycle level of service score, $BLOS$ (Eq. 15-31)	5.47
Bicycle level of service (Exhibit 15-4)	E
Notes	
<p>1. Note that the adjustment factor for level terrain is 1.00, as level terrain is one of the base conditions. For the purpose of grade adjustment, specific downgrade segments are treated as level terrain.</p> <p>2. If v_d or v_o $\geq 1,700$ pc/h, terminate analysis--the LOS is F.</p> <p>3. For the analysis direction only and for $v > 200$ veh/h.</p> <p>4. For the analysis direction only</p> <p>5. Exhibit 15-20 provides coefficients a and b for Equation 15-10.</p> <p>6. Use alternative Exhibit 15-14 if some trucks operate at crawl speeds on a specific downgrade.</p>	

DIRECTIONAL TWO-LANE HIGHWAY SEGMENT WORKSHEET		
General Information		Site Information
Analyst Agency or Company Date Performed Analysis Time Period	Gutknecht SWTE 9/12/2014	Highway / Direction of Travel From/To Jurisdiction Analysis Year
Project Description: Lambert Lane East of La Cholla		Lambert Lane (westbound) AM Peak Hour - 2016 without
Input Data		
 <p style="margin-top: 10px;">Analysis direction vol., V_d 400veh/h Opposing direction vol., V_o 605veh/h Shoulder width ft 2.0 Lane Width ft 12.0 Segment Length mi 0.5</p>	<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  Show North Arrow </div> <div style="font-size: small;"> <input type="checkbox"/> Class I highway <input type="checkbox"/> Class II highway <input checked="" type="checkbox"/> Class III highway Terrain <input type="checkbox"/> Level <input checked="" type="checkbox"/> Rolling Grade Length mi Up/down Peak-hour factor, PHF 0.90 No-passing zone 0% % Trucks and Buses, P_T 6 % % Recreational vehicles, P_R 4% Access points mi 1/mi </div> </div>	
Average Travel Speed		
	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E_T (Exhibit 15-11 or 15-12)	1.9	1.6
Passenger-car equivalents for RVs, E_R (Exhibit 15-11 or 15-13)	1.1	1.1
Heavy-vehicle adjustment factor, $f_{HV,ATS} = 1 / (1 + P_T(E_T - 1) + P_R(E_R - 1))$	0.945	0.962
Grade adjustment factor ¹ , $f_{g,ATS}$ (Exhibit 15-9)	0.92	0.98
Demand flow rate ² , v_i (pc/h) $v_i = V_i / (PHF * f_{g,ATS} * f_{HV,ATS})$	511	713
Free-Flow Speed from Field Measurement	Estimated Free-Flow Speed	
Mean speed of sample ³ , S_{FM}	Base free-flow speed ⁴ , BFFS	45.0 mi/h
Total demand flow rate, both directions, v	Adj. for lane and shoulder width ⁴ , f_{LS} (Exhibit 15-7)	2.6 mi/h
Free-flow speed, $FFS = S_{FM} + 0.00776(v / f_{HV,ATS})$	Adj. for access points ⁴ , f_A (Exhibit 15-8)	0.3 mi/h
Adj. for no-passing zones, $f_{np,ATS}$ (Exhibit 15-15) 0.3 mi/h	Free-flow speed, FFS (FSS=BFFS- f_{LS} - f_A)	42.2 mi/h
	Average travel speed, $ATS_d = FFS - 0.00776(v_{d,ATS} + v_{o,ATS}) - f_{np,ATS}$	32.3 mi/h
	Percent free flow speed, PFFS	76.7 %
Percent Time-Spent-Following		
	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E_T (Exhibit 15-18 or 15-19)	1.4	1.0
Passenger-car equivalents for RVs, E_R (Exhibit 15-18 or 15-19)	1.0	1.0
Heavy-vehicle adjustment factor, $f_{HV} = 1 / (1 + P_T(E_T - 1) + P_R(E_R - 1))$	0.977	1.000
Grade adjustment factor ¹ , $f_{g,PTSF}$ (Exhibit 15-16 or Ex 15-17)	0.93	0.98
Directional flow rate ² , v_i (pc/h) $v_i = V_i / (PHF * f_{HV,PTSF} * f_{g,PTSF})$	489	686
Base percent time-spent-following ⁴ , $BPTSF_d(\%) = 100(1 - e^{-av_d^b})$	52.9	
Adj. for no-passing zone, $f_{np,PTSF}$ (Exhibit 15-21)	12.4	
Percent time-spent-following, $PTSF_d(\%) = BPTSF_d + f_{np,PTSF} * (v_{d,PTSF} / v_{d,PTSF} + v_{o,PTSF})$	58.1	
Level of Service and Other Performance Measures		
Level of service, LOS (Exhibit 15-3)	C	
Volume to capacity ratio, v/c	0.30	

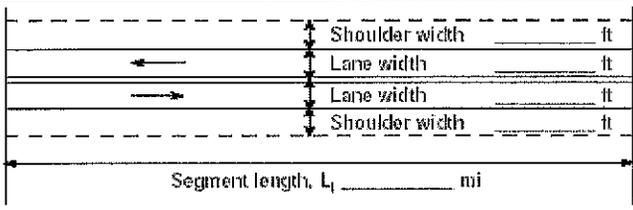
Capacity, $C_{d,ATS}$ (Equation 15-12) veh/h	1603
Capacity, $C_{d,PTSF}$ (Equation 15-13) veh/h	1683
Percent Free-Flow Speed $PFFS_d$ (Equation 15-11 - Class III only)	76.7
Bicycle Level of Service	
Directional demand flow rate in outside lane, v_{OL} (Eq. 15-24) veh/h	444.4
Effective width, W_v (Eq. 15-29) ft	14.00
Effective speed factor, S_f (Eq. 15-30)	4.79
Bicycle level of service score, BLOS (Eq. 15-31)	5.48
Bicycle level of service (Exhibit 15-4)	E
Notes	
<p>1. Note that the adjustment factor for level terrain is 1.00, as level terrain is one of the base conditions. For the purpose of grade adjustment, specific downgrade segments are treated as level terrain.</p> <p>2. If v_d or v_o $\geq 1,700$ pc/h, terminate analysis--the LOS is F.</p> <p>3. For the analysis direction only and for $v > 200$ veh/h.</p> <p>4. For the analysis direction only</p> <p>5. Exhibit 15-20 provides coefficients a and b for Equation 15-10.</p> <p>6. Use alternative Exhibit 15-14 if some trucks operate at crawl speeds on a specific downgrade.</p>	

DIRECTIONAL TWO-LANE HIGHWAY SEGMENT WORKSHEET		
General Information	Site Information	
Analyst Agency or Company Date Performed Analysis Time Period	Highway / Direction of Travel From/To Jurisdiction Analysis Year	
<i>Gutknecht</i> <i>SWTE</i> <i>9/12/2014</i>	<i>Lambert Lane (westbound)</i> <i></i> <i></i> <i>PM Peak Hour - 2016 without</i>	
Project Description: <i>Lambert Lane East of La Cholla</i>		
Input Data		
 <p style="font-size: small;">Shoulder width _____ ft Lane width _____ ft Lane width _____ ft Shoulder width _____ ft Segment length, L_1 _____ mi</p>	<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  Show North Arrow </div> <div style="font-size: small;"> <input type="checkbox"/> Class I highway <input type="checkbox"/> Class II highway <input checked="" type="checkbox"/> Class III highway Terrain <input type="checkbox"/> Level <input checked="" type="checkbox"/> Rolling Grade Length mi Up/down Peak-hour factor, PHF 0.90 No-passing zone 0% % Trucks and Buses, P_T 6% % Recreational vehicles, P_R 4% Access points mi 1/mi </div> </div>	
Analysis direction vol., V_d	<i>413veh/h</i>	
Opposing direction vol., V_o	<i>329veh/h</i>	
Shoulder width ft	<i>2.0</i>	
Lane Width ft	<i>12.0</i>	
Segment Length mi	<i>0.5</i>	
Average Travel Speed		
	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E_T (Exhibit 15-11 or 15-12)	<i>1.9</i>	<i>2.0</i>
Passenger-car equivalents for RVs, E_R (Exhibit 15-11 or 15-13)	<i>1.1</i>	<i>1.1</i>
Heavy-vehicle adjustment factor, $f_{HV,ATS} = 1 / (1 + P_T(E_T - 1) + P_R(E_R - 1))$	<i>0.945</i>	<i>0.940</i>
Grade adjustment factor ¹ , $f_{g,ATS}$ (Exhibit 15-9)	<i>0.93</i>	<i>0.88</i>
Demand flow rate ² , v_f (pc/h) $v_f = V_f / (PHF * f_{g,ATS} * f_{HV,ATS})$	<i>522</i>	<i>442</i>
Free-Flow Speed from Field Measurement	Estimated Free-Flow Speed	
Mean speed of sample ³ , S_{FM}	Base free-flow speed ⁴ , BFFS <i>45.0 mi/h</i>	
Total demand flow rate, both directions, v	Adj. for lane and shoulder width ⁴ , f_{LS} (Exhibit 15-7) <i>2.6 mi/h</i>	
Free-flow speed, $FFS = S_{FM} + 0.00776(v * f_{HV,ATS})$	Adj. for access points ⁴ , f_A (Exhibit 15-8) <i>0.3 mi/h</i>	
Adj. for no-passing zones, $f_{np,ATS}$ (Exhibit 15-15) <i>0.8 mi/h</i>	Free-flow speed, FFS ($FFS = BFFS - f_{LS} - f_A$) <i>42.2 mi/h</i>	
	Average travel speed, $ATS_d = FFS - 0.00776(v_{d,ATS} + v_{o,ATS}) - f_{np,ATS}$ <i>33.9 mi/h</i>	
	Percent free flow speed, PFFS <i>80.4 %</i>	
Percent Time-Spent-Following		
	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E_T (Exhibit 15-18 or 15-19)	<i>1.4</i>	<i>1.6</i>
Passenger-car equivalents for RVs, E_R (Exhibit 15-18 or 15-19)	<i>1.0</i>	<i>1.0</i>
Heavy-vehicle adjustment factor, $f_{HV} = 1 / (1 + P_T(E_T - 1) + P_R(E_R - 1))$	<i>0.977</i>	<i>0.965</i>
Grade adjustment factor ¹ , $f_{g,PTSF}$ (Exhibit 15-16 or Ex 15-17)	<i>0.94</i>	<i>0.88</i>
Directional flow rate ² , v_f (pc/h) $v_f = V_f / (PHF * f_{HV,PTSF} * f_{g,PTSF})$	<i>500</i>	<i>430</i>
Base percent time-spent-following ⁴ , $BPTSF_d(%) = 100(1 - e^{-av_d^b})$	<i>50.7</i>	
Adj. for no-passing zone, $f_{np,PTSF}$ (Exhibit 15-21)	<i>14.1</i>	
Percent time-spent-following, $PTSF_d(%) = BPTSF_d + f_{np,PTSF} * (v_{d,PTSF} / v_{d,PTSF} + v_{o,PTSF})$	<i>58.3</i>	
Level of Service and Other Performance Measures		
Level of service, LOS (Exhibit 15-3)	<i>C</i>	
Volume to capacity ratio, v/c	<i>0.31</i>	

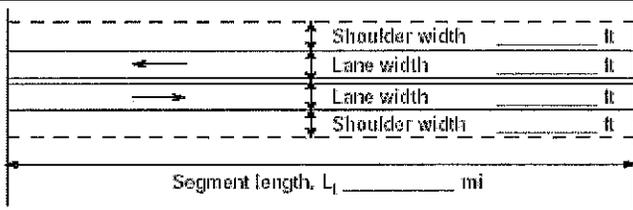
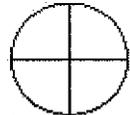
Capacity, $C_{d,ATS}$ (Equation 15-12) veh/h	1462
Capacity, $C_{d,PTSF}$ (Equation 15-13) veh/h	1527
Percent Free-Flow Speed $PFFS_d$ (Equation 15-11 - Class III only)	80.4
Bicycle Level of Service	
Directional demand flow rate in outside lane, v_{OL} (Eq. 15-24) veh/h	458.9
Effective width, Wv (Eq. 15-29) ft	14.00
Effective speed factor, S_f (Eq. 15-30)	4.79
Bicycle level of service score, BLOS (Eq. 15-31)	5.49
Bicycle level of service (Exhibit 15-4)	E
Notes	
<p>1. Note that the adjustment factor for level terrain is 1.00, as level terrain is one of the base conditions. For the purpose of grade adjustment, specific downgrade segments are treated as level terrain.</p> <p>2. If $v_f(v_d \text{ or } v_o) \geq 1,700$ pc/h, terminate analysis--the LOS is F.</p> <p>3. For the analysis direction only and for $v > 200$ veh/h.</p> <p>4. For the analysis direction only</p> <p>5. Exhibit 15-20 provides coefficients a and b for Equation 15-10.</p> <p>6. Use alternative Exhibit 15-14 if some trucks operate at crawl speeds on a specific downgrade.</p>	

DIRECTIONAL TWO-LANE HIGHWAY SEGMENT WORKSHEET			
General Information		Site Information	
Analyst	Gutknecht	Highway / Direction of Travel	Lambert Lane (westbound)
Agency or Company	SWTE	From/To	
Date Performed	9/12/2014	Jurisdiction	
Analysis Time Period		Analysis Year	AM Peak Hour - 2016 with
Project Description: Lambert Lane East of La Cholla			
Input Data			
		<input type="checkbox"/> Class I highway <input type="checkbox"/> Class II highway <input checked="" type="checkbox"/> Class III highway Terrain <input type="checkbox"/> Level <input checked="" type="checkbox"/> Rolling Grade Length mi Up/down Peak-hour factor, PHF 0.90 No-passing zone 0% % Trucks and Buses, P _T 6% % Recreational vehicles, P _R 4% Access points mi 1/mi	
Analysis direction vol., V _d	406veh/h		
Opposing direction vol., V _o	623veh/h		
Shoulder width ft	2.0		
Lane Width ft	12.0		
Segment Length mi	0.5		
Average Travel Speed			
	Analysis Direction (d)	Opposing Direction (o)	
Passenger-car equivalents for trucks, E _T (Exhibit 15-11 or 15-12)	1.9	1.6	
Passenger-car equivalents for RVs, E _R (Exhibit 15-11 or 15-13)	1.1	1.1	
Heavy-vehicle adjustment factor, f _{HV,ATS} =1/(1+P _T (E _T -1)+P _R (E _R -1))	0.945	0.962	
Grade adjustment factor ¹ , f _{g,ATS} (Exhibit 15-9)	0.93	0.98	
Demand flow rate ² , v _i (pc/h) v _i =V _i /(PHF*f _{g,ATS} *f _{HV,ATS})	513	734	
Free-Flow Speed from Field Measurement		Estimated Free-Flow Speed	
Mean speed of sample ³ , S _{FM}		Base free-flow speed ⁴ , BFFS	45.0 mi/h
Total demand flow rate, both directions, v		Adj. for lane and shoulder width ⁴ , f _{LS} (Exhibit 15-7)	2.6 mi/h
Free-flow speed, FFS=S _{FM} +0.00776(v/f _{HV,ATS})		Adj. for access points ⁴ , f _A (Exhibit 15-8)	0.3 mi/h
Adj. for no-passing zones, f _{np,ATS} (Exhibit 15-15)	0.3 mi/h	Free-flow speed, FFS (FFS=BFFS-f _{LS} -f _A)	42.2 mi/h
		Average travel speed, ATS _d =FFS-0.00776(v _{d,ATS} +V _{o,ATS})-f _{np,ATS}	32.1 mi/h
		Percent free flow speed, PFFS	76.3 %
Percent Time-Spent-Following			
	Analysis Direction (d)	Opposing Direction (o)	
Passenger-car equivalents for trucks, E _T (Exhibit 15-18 or 15-19)	1.4	1.0	
Passenger-car equivalents for RVs, E _R (Exhibit 15-18 or 15-19)	1.0	1.0	
Heavy-vehicle adjustment factor, f _{HV} =1/(1+P _T (E _T -1)+P _R (E _R -1))	0.977	1.000	
Grade adjustment factor ¹ , f _{g,PTSF} (Exhibit 15-16 or Ex 15-17)	0.93	0.99	
Directional flow rate ² , v _i (pc/h) v _i =V _i /(PHF*f _{HV,PTSF} *f _{g,PTSF})	497	699	
Base percent time-spent-following ⁴ , BPTSF _d (%)=100(1-e ^{-av_d^b})		53.9	
Adj. for no-passing zone, f _{np,PTSF} (Exhibit 15-21)		12.2	
Percent time-spent-following, PTSF _d (%)=BPTSF _d +f _{np,PTSF} *(v _{d,PTSF} /v _{d,PTSF} +V _{o,PTSF})		59.0	
Level of Service and Other Performance Measures			
Level of service, LOS (Exhibit 15-3)		C	
Volume to capacity ratio, v/c		0.30	

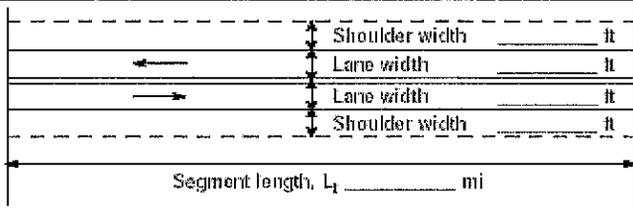
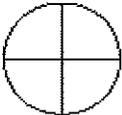
Capacity, $C_{d,ATS}$ (Equation 15-12) veh/h	1603
Capacity, $C_{d,PTSF}$ (Equation 15-13) veh/h	1683
Percent Free-Flow Speed $PFFS_d$ (Equation 15-11 - Class III only)	76.3
Bicycle Level of Service	
Directional demand flow rate in outside lane, v_{OL} (Eq. 15-24) veh/h	451.1
Effective width, W_v (Eq. 15-29) ft	14.00
Effective speed factor, S_f (Eq. 15-30)	4.79
Bicycle level of service score, BLOS (Eq. 15-31)	5.48
Bicycle level of service (Exhibit 15-4)	E
Notes	
<p>1. Note that the adjustment factor for level terrain is 1.00, as level terrain is one of the base conditions. For the purpose of grade adjustment, specific downgrade segments are treated as level terrain.</p> <p>2. If $v_f(v_d \text{ or } v_o) \geq 1,700$ pc/h, terminate analysis--the LOS is F.</p> <p>3. For the analysis direction only and for $v > 200$ veh/h.</p> <p>4. For the analysis direction only</p> <p>5. Exhibit 15-20 provides coefficients a and b for Equation 15-10.</p> <p>6. Use alternative Exhibit 15-14 if some trucks operate at crawl speeds on a specific downgrade.</p>	

DIRECTIONAL TWO-LANE HIGHWAY SEGMENT WORKSHEET			
General Information		Site Information	
Analyst Agency or Company Date Performed Analysis Time Period	<i>Gutknecht SWTE 9/12/2014</i>	Highway / Direction of Travel From/To Jurisdiction Analysis Year	<i>Lambert Lane (westbound) PM Peak Hour - 2016 with</i>
Project Description: <i>Lambert Lane East of La Cholla</i>			
Input Data			
		<input type="checkbox"/> Class I highway <input type="checkbox"/> Class II highway <input checked="" type="checkbox"/> Class III highway Terrain <input type="checkbox"/> Level <input checked="" type="checkbox"/> Rolling Grade Length mi Up/down Peak-hour factor, PHF 0.90 No-passing zone 0% % Trucks and Buses, P _T 6% % Recreational vehicles, P _R 4% Access points mi 1/mi	
Analysis direction vol., V _d	433veh/h		
Opposing direction vol., V _o	340veh/h		
Shoulder width ft	2.0		
Lane Width ft	12.0		
Segment Length mi	0.5		
Average Travel Speed			
		Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E _T (Exhibit 15-11 or 15-12)		1.8	2.0
Passenger-car equivalents for RVs, E _R (Exhibit 15-11 or 15-13)		1.1	1.1
Heavy-vehicle adjustment factor, f _{HV,ATS} = 1 / (1 + P _T (E _T -1) + P _R (E _R -1))		0.951	0.940
Grade adjustment factor ¹ , f _{g,ATS} (Exhibit 15-9)		0.94	0.88
Demand flow rate ² , v _i (pc/h) v _i = V _i / (PHF * f _{g,ATS} * f _{HV,ATS})		538	457
Free-Flow Speed from Field Measurement		Estimated Free-Flow Speed	
Mean speed of sample ³ , S _{FM}		Base free-flow speed ⁴ , BFFS 45.0 mi/h	
Total demand flow rate, both directions, v		Adj. for lane and shoulder width ⁴ , f _{LS} (Exhibit 15-7) 2.6 mi/h	
Free-flow speed, FFS = S _{FM} + 0.00776(v f _{HV,ATS})		Adj. for access points ⁴ , f _A (Exhibit 15-8) 0.3 mi/h	
Free-flow speed, FFS = S _{FM} + 0.00776(v f _{HV,ATS})		Free-flow speed, FFS (FFS = BFFS - f _{LS} - f _A) 42.2 mi/h	
Adj. for no-passing zones, f _{np,ATS} (Exhibit 15-15) 0.8 mi/h		Average travel speed, ATS _d = FFS - 0.00776(v _{d,ATS} + v _{o,ATS}) - f _{np,ATS} 33.7 mi/h	
		Percent free flow speed, PFFS 79.9 %	
Percent Time-Spent-Following			
		Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E _T (Exhibit 15-18 or 15-19)		1.4	1.6
Passenger-car equivalents for RVs, E _R (Exhibit 15-18 or 15-19)		1.0	1.0
Heavy-vehicle adjustment factor, f _{HV} = 1 / (1 + P _T (E _T -1) + P _R (E _R -1))		0.977	0.965
Grade adjustment factor ¹ , f _{g,PTSF} (Exhibit 15-16 or Ex 15-17)		0.95	0.89
Directional flow rate ² , v _i (pc/h) v _i = V _i / (PHF * f _{HV,PTSF} * f _{g,PTSF})		519	440
Base percent time-spent-following ⁴ , BPTSF _d (%) = 100(1 - e ^{-av_d})		51.3	
Adj. for no-passing zone, f _{np,PTSF} (Exhibit 15-21)		13.9	
Percent time-spent-following, PTSF _d (%) = BPTSF _d + f _{np,PTSF} * (v _{d,PTSF} / v _{d,PTSF} + v _{o,PTSF})		58.8	
Level of Service and Other Performance Measures			
Level of service, LOS (Exhibit 15-3)		C	
Volume to capacity ratio, v/c		0.32	

Capacity, $C_{d,ATS}$ (Equation 15-12) veh/h	1478
Capacity, $C_{d,PTSF}$ (Equation 15-13) veh/h	1527
Percent Free-Flow Speed $PFFS_d$ (Equation 15-11 - Class III only)	79.9
Bicycle Level of Service	
Directional demand flow rate in outside lane, v_{OL} (Eq. 15-24) veh/h	481.1
Effective width, Wv (Eq. 15-29) ft	14.00
Effective speed factor, S_f (Eq. 15-30)	4.79
Bicycle level of service score, BLOS (Eq. 15-31)	6.62
Bicycle level of service (Exhibit 15-4)	F
Notes	
<p>1. Note that the adjustment factor for level terrain is 1.00, as level terrain is one of the base conditions. For the purpose of grade adjustment, specific downgrade segments are treated as level terrain.</p> <p>2. If v_d or v_o $\geq 1,700$ pc/h, terminate analysis--the LOS is F.</p> <p>3. For the analysis direction only and for $v > 200$ veh/h.</p> <p>4. For the analysis direction only</p> <p>5. Exhibit 15-20 provides coefficients a and b for Equation 15-10.</p> <p>6. Use alternative Exhibit 15-14 if some trucks operate at crawl speeds on a specific downgrade.</p>	

DIRECTIONAL TWO-LANE HIGHWAY SEGMENT WORKSHEET		
General Information	Site Information	
Analyst Agency or Company Date Performed Analysis Time Period	Highway / Direction of Travel From/To Jurisdiction Analysis Year	
<i>Gutknecht</i> <i>SWTE</i> <i>9/12/2014</i>	<i>Lambert Lane (eastbound)</i> <i></i> <i></i> <i>AM Peak Hour - existing</i>	
Project Description: <i>Lambert Lane East of La Cholla</i>		
Input Data		
 <p style="font-size: small;">Shoulder width _____ ft Lane width _____ ft Lane width _____ ft Shoulder width _____ ft</p> <p style="text-align: center;">Segment length, L_1 _____ mi</p>	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> Class I highway <input checked="" type="checkbox"/> Class III highway <input type="checkbox"/> Level <input checked="" type="checkbox"/> Rolling Terrain Grade Length mi _____ Peak-hour factor, PHF _____ No-passing zone _____ % Trucks and Buses, P_T _____ % Recreational vehicles, P_R _____ Access points mi _____ </div> <div style="width: 45%;"> <input type="checkbox"/> Class II highway Up/down 0.90 0% 6% 4% 1/mi </div> </div> <div style="text-align: center; margin-top: 10px;">  Show North Arrow </div>	
Analysis direction vol., V_d	<i>580veh/h</i>	
Opposing direction vol., V_o	<i>383veh/h</i>	
Shoulder width ft	<i>2.0</i>	
Lane Width ft	<i>12.0</i>	
Segment Length mi	<i>0.5</i>	
Average Travel Speed		
	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E_T (Exhibit 15-11 or 15-12)	<i>1.7</i>	<i>1.9</i>
Passenger-car equivalents for RVs, E_R (Exhibit 15-11 or 15-13)	<i>1.1</i>	<i>1.1</i>
Heavy-vehicle adjustment factor, $f_{HV,ATS} = 1 / (1 + P_T(E_T - 1) + P_R(E_R - 1))$	<i>0.956</i>	<i>0.945</i>
Grade adjustment factor ¹ , $f_{g,ATS}$ (Exhibit 15-9)	<i>0.97</i>	<i>0.91</i>
Demand flow rate ² , v_i (pc/h) $v_i = V_i / (PHF * f_{g,ATS} * f_{HV,ATS})$	<i>695</i>	<i>495</i>
Free-Flow Speed from Field Measurement	Estimated Free-Flow Speed	
Mean speed of sample ³ , S_{FM}	Base free-flow speed ⁴ , BFFS <i>45.0 mi/h</i>	
Total demand flow rate, both directions, v	Adj. for lane and shoulder width ⁴ , f_{LS} (Exhibit 15-7) <i>2.6 mi/h</i>	
Free-flow speed, $FFS = S_{FM} + 0.00776(v / f_{HV,ATS})$	Adj. for access points ⁴ , f_A (Exhibit 15-8) <i>0.3 mi/h</i>	
Adj. for no-passing zones, $f_{np,ATS}$ (Exhibit 15-15) <i>0.7 mi/h</i>	Free-flow speed, FFS ($FFS = BFFS - f_{LS} - f_A$) <i>42.2 mi/h</i>	
	Average travel speed, $ATS_d = FFS - 0.00776(v_{d,ATS} + v_{o,ATS}) - f_{np,ATS}$ <i>32.3 mi/h</i>	
	Percent free flow speed, PFFS <i>76.5 %</i>	
Percent Time-Spent-Following		
	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E_T (Exhibit 15-18 or 15-19)	<i>1.0</i>	<i>1.4</i>
Passenger-car equivalents for RVs, E_R (Exhibit 15-18 or 15-19)	<i>1.0</i>	<i>1.0</i>
Heavy-vehicle adjustment factor, $f_{HV} = 1 / (1 + P_T(E_T - 1) + P_R(E_R - 1))$	<i>1.000</i>	<i>0.977</i>
Grade adjustment factor ¹ , $f_{g,PTSF}$ (Exhibit 15-16 or Ex 15-17)	<i>0.98</i>	<i>0.92</i>
Directional flow rate ² , v_i (pc/h) $v_i = V_i / (PHF * f_{HV,PTSF} * f_{g,PTSF})$	<i>658</i>	<i>474</i>
Base percent time-spent-following ⁴ , $BPTSF_d(\%) = 100(1 - e^{-a v_d^b})$	<i>59.8</i>	
Adj. for no-passing zone, $f_{np,PTSF}$ (Exhibit 15-21)	<i>12.5</i>	
Percent time-spent-following, $PTSF_d(\%) = BPTSF_d + f_{np,PTSF} * (v_{d,PTSF} / v_{d,PTSF} + v_{o,PTSF})$	<i>67.1</i>	
Level of Service and Other Performance Measures		
Level of service, LOS (Exhibit 15-3)	<i>C</i>	
Volume to capacity ratio, v/c	<i>0.41</i>	

Capacity, $C_{d,ATS}$ (Equation 15-12) veh/h	1510
Capacity, $C_{d,PTSF}$ (Equation 15-13) veh/h	1561
Percent Free-Flow Speed $PFFS_d$ (Equation 15-11 - Class III only)	76.5
Bicycle Level of Service	
Directional demand flow rate in outside lane, v_{OL} (Eq. 15-24) veh/h	644.4
Effective width, W_v (Eq. 15-29) ft	14.00
Effective speed factor, S_f (Eq. 15-30)	4.79
Bicycle level of service score, BLOS (Eq. 15-31)	5.66
Bicycle level of service (Exhibit 15-4)	F
Notes	
<p>1. Note that the adjustment factor for level terrain is 1.00, as level terrain is one of the base conditions. For the purpose of grade adjustment, specific downgrade segments are treated as level terrain.</p> <p>2. If v_d or $v_o \geq 1,700$ pc/h, terminate analysis--the LOS is F.</p> <p>3. For the analysis direction only and for $v > 200$ veh/h.</p> <p>4. For the analysis direction only</p> <p>5. Exhibit 15-20 provides coefficients a and b for Equation 15-10.</p> <p>6. Use alternative Exhibit 15-14 if some trucks operate at crawl speeds on a specific downgrade.</p>	

DIRECTIONAL TWO-LANE HIGHWAY SEGMENT WORKSHEET		
General Information	Site Information	
Analyst Agency or Company Date Performed Analysis Time Period	Highway / Direction of Travel From/To Jurisdiction Analysis Year	
<i>Gutknecht</i> <i>SWTE</i> <i>9/12/2014</i>	<i>Lambert Lane (eastbound)</i> <i></i> <i></i> <i>PM Peak Hour - existing</i>	
Project Description: <i>Lambert Lane East of La Cholla</i>		
Input Data		
 <p style="font-size: small;">Shoulder width _____ ft Lane width _____ ft Lane width _____ ft Shoulder width _____ ft</p> <p style="text-align: center;">Segment length, L_1 _____ mi</p>	<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  Show North Arrow </div> <div> <input type="checkbox"/> Class I highway <input type="checkbox"/> Class II highway <input checked="" type="checkbox"/> Class III highway Terrain <input type="checkbox"/> Level <input checked="" type="checkbox"/> Rolling Grade Length mi Up/down Peak-hour factor, PHF 0.90 No-passing zone 0% % Trucks and Buses, P_T 6% % Recreational vehicles, P_R 4% Access points mi 1/mi </div> </div>	
Analysis direction vol., V_d	316veh/h	
Opposing direction vol., V_o	396veh/h	
Shoulder width ft	2.0	
Lane Width ft	12.0	
Segment Length mi	0.5	
Average Travel Speed		
	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E_T (Exhibit 15-11 or 15-12)	2.0	1.9
Passenger-car equivalents for RVs, E_R (Exhibit 15-11 or 15-13)	1.1	1.1
Heavy-vehicle adjustment factor, $f_{HV,ATS} = 1 / (1 + P_T(E_T - 1) + P_R(E_R - 1))$	0.940	0.945
Grade adjustment factor ¹ , $f_{g,ATS}$ (Exhibit 15-9)	0.87	0.92
Demand flow rate ² , v_i (pc/h) $v_i = V_i / (PHF * f_{g,ATS} * f_{HV,ATS})$	429	506
Free-Flow Speed from Field Measurement	Estimated Free-Flow Speed	
	Base free-flow speed ⁴ , BFFS	45.0 mi/h
Mean speed of sample ³ , S_{FM}	Adj. for lane and shoulder width ⁴ , f_{LS} (Exhibit 15-7)	2.6 mi/h
Total demand flow rate, both directions, v	Adj. for access points ⁴ , f_A (Exhibit 15-8)	0.3 mi/h
Free-flow speed, $FFS = S_{FM} + 0.00776(v * f_{HV,ATS})$	Free-flow speed, FFS ($FFS = BFFS - f_{LS} - f_A$)	42.2 mi/h
Adj. for no-passing zones, $f_{np,ATS}$ (Exhibit 15-15) 0.6 mi/h	Average travel speed, $ATS_d = FFS - 0.00776(v_{d,ATS} + V_{o,ATS}) - f_{np,ATS}$	34.3 mi/h
	Percent free flow speed, PFFS	81.3 %
Percent Time-Spent-Following		
	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E_T (Exhibit 15-18 or 15-19)	1.6	1.4
Passenger-car equivalents for RVs, E_R (Exhibit 15-18 or 15-19)	1.0	1.0
Heavy-vehicle adjustment factor, $f_{HV} = 1 / (1 + P_T(E_T - 1) + P_R(E_R - 1))$	0.965	0.977
Grade adjustment factor ¹ , $f_{g,PTSF}$ (Exhibit 15-16 or Ex 15-17)	0.88	0.92
Directional flow rate ² , v_i (pc/h) $v_i = V_i / (PHF * f_{HV,PTSF} * f_{g,PTSF})$	413	490
Base percent time-spent-following ⁴ , $BPTSF_d(\%) = 100(1 - e^{-av_d^b})$	45.5	
Adj. for no-passing zone, $f_{np,PTSF}$ (Exhibit 15-21)	14.2	
Percent time-spent-following, $PTSF_d(\%) = BPTSF_d + f_{np,PTSF} * (v_{d,PTSF} / v_{d,PTSF} + V_{o,PTSF})$	52.0	
Level of Service and Other Performance Measures		
Level of service, LOS (Exhibit 15-3)	C	
Volume to capacity ratio, v/c	0.25	

Capacity, $C_{d,ATS}$ (Equation 15-12) veh/h	1520
Capacity, $C_{d,PTSF}$ (Equation 15-13) veh/h	1577
Percent Free-Flow Speed $PFFS_d$ (Equation 15-11 - Class III only)	81.3
Bicycle Level of Service	
Directional demand flow rate in outside lane, v_{OL} (Eq. 15-24) veh/h	351.1
Effective width, W_v (Eq. 15-29) ft	14.00
Effective speed factor, S_f (Eq. 15-30)	4.79
Bicycle level of service score, BLOS (Eq. 15-31)	5.36
Bicycle level of service (Exhibit 15-4)	E
Notes	
<p>1. Note that the adjustment factor for level terrain is 1.00, as level terrain is one of the base conditions. For the purpose of grade adjustment, specific downgrade segments are treated as level terrain.</p> <p>2. If v_d or $v_o \geq 1,700$ pc/h, terminate analysis--the LOS is F.</p> <p>3. For the analysis direction only and for $v > 200$ veh/h.</p> <p>4. For the analysis direction only</p> <p>5. Exhibit 15-20 provides coefficients a and b for Equation 15-10.</p> <p>6. Use alternative Exhibit 15-14 if some trucks operate at crawl speeds on a specific downgrade.</p>	

DIRECTIONAL TWO-LANE HIGHWAY SEGMENT WORKSHEET

General Information		Site Information	
Analyst	Gutknecht	Highway / Direction of Travel	Lambert Lane (eastbound)
Agency or Company	SWTE	From/To	
Date Performed	9/12/2014	Jurisdiction	
Analysis Time Period		Analysis Year	AM Peak Hour - 2016 without

Project Description: Lambert Lane East of La Cholla

Input Data

Segment length, L_1 _____ mi

Class I highway Class II highway
 Class III highway

Terrain Level Rolling
 Grade Length mi Up/down
 Peak-hour factor, PHF 0.90
 No-passing zone 0%
 % Trucks and Buses, P_T 6%
 % Recreational vehicles, P_R 4%
 Access points mi 1/mi

Analysis direction vol., V_d	605veh/h
Opposing direction vol., V_o	400veh/h
Shoulder width ft	2.0
Lane Width ft	12.0
Segment Length mi	0.5

Average Travel Speed

	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E_T (Exhibit 15-11 or 15-12)	1.6	1.9
Passenger-car equivalents for RVs, E_R (Exhibit 15-11 or 15-13)	1.1	1.1
Heavy-vehicle adjustment factor, $f_{HV,ATS} = 1 / (1 + P_T(E_T - 1) + P_R(E_R - 1))$	0.962	0.945
Grade adjustment factor ¹ , $f_{g,ATS}$ (Exhibit 15-9)	0.98	0.92
Demand flow rate ² , v_i (pc/h) $v_i = V_i / (PHF * f_{g,ATS} * f_{HV,ATS})$	713	511
Free-Flow Speed from Field Measurement	Estimated Free-Flow Speed	
Mean speed of sample ³ , S_{FM}		45.0 mi/h
Total demand flow rate, both directions, v		2.6 mi/h
Free-flow speed, $FFS = S_{FM} + 0.00776(v * f_{HV,ATS})$		0.3 mi/h
Adj. for no-passing zones, $f_{np,ATS}$ (Exhibit 15-15) 0.6 mi/h		42.2 mi/h
		Average travel speed, $ATS_d = FFS - 0.00776(v_{d,ATS} + v_{o,ATS}) - f_{np,ATS}$
		Percent free flow speed, PFFS 76.0 %

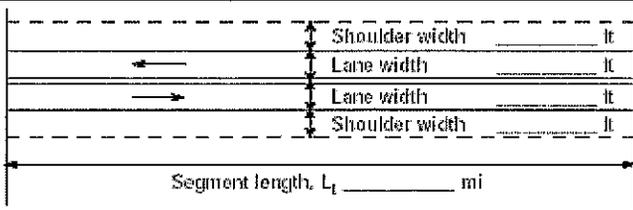
Percent Time-Spent-Following

	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E_T (Exhibit 15-18 or 15-19)	1.0	1.4
Passenger-car equivalents for RVs, E_R (Exhibit 15-18 or 15-19)	1.0	1.0
Heavy-vehicle adjustment factor, $f_{HV} = 1 / (1 + P_T(E_T - 1) + P_R(E_R - 1))$	1.000	0.977
Grade adjustment factor ¹ , $f_{g,PTSF}$ (Exhibit 15-16 or Ex 15-17)	0.98	0.93
Directional flow rate ² , v_i (pc/h) $v_i = V_i / (PHF * f_{HV,PTSF} * f_{g,PTSF})$	686	489
Base percent time-spent-following ⁴ , $BPTSF_d(\%) = 100(1 - e^{-a v_d^b})$		61.6
Adj. for no-passing zone, $f_{np,PTSF}$ (Exhibit 15-21)		12.4
Percent time-spent-following, $PTSF_d(\%) = BPTSF_d + f_{np,PTSF} * (v_{d,PTSF} / v_{d,PTSF} + v_{o,PTSF})$		68.8

Level of Service and Other Performance Measures

Level of service, LOS (Exhibit 15-3)	C
Volume to capacity ratio, v/c	0.42

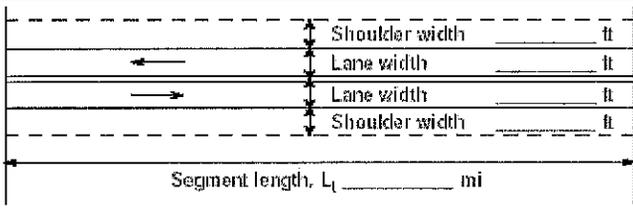
Capacity, $C_{d,ATS}$ (Equation 15-12) veh/h	1520
Capacity, $C_{d,PTSF}$ (Equation 15-13) veh/h	1577
Percent Free-Flow Speed PF_{FS_d} (Equation 15-11 - Class III only)	76.0
Bicycle Level of Service	
Directional demand flow rate in outside lane, v_{OL} (Eq. 15-24) veh/h	672.2
Effective width, W_v (Eq. 15-29) ft	14.00
Effective speed factor, S_f (Eq. 15-30)	4.79
Bicycle level of service score, BLOS (Eq. 15-31)	5.69
Bicycle level of service (Exhibit 15-4)	F
Notes	
<p>1. Note that the adjustment factor for level terrain is 1.00, as level terrain is one of the base conditions. For the purpose of grade adjustment, specific downgrade segments are treated as level terrain.</p> <p>2. If v_d or v_o $\geq 1,700$ pc/h, terminate analysis--the LOS is F.</p> <p>3. For the analysis direction only and for $v > 200$ veh/h.</p> <p>4. For the analysis direction only</p> <p>5. Exhibit 15-20 provides coefficients a and b for Equation 15-10.</p> <p>6. Use alternative Exhibit 15-14 if some trucks operate at crawl speeds on a specific downgrade.</p>	

DIRECTIONAL TWO-LANE HIGHWAY SEGMENT WORKSHEET		
General Information		Site Information
Analyst Agency or Company Date Performed Analysis Time Period	Gutknecht SWTE 9/12/2014	Highway / Direction of Travel From/To Jurisdiction Analysis Year
Lambert Lane (eastbound)		Lambert Lane (eastbound) PM Peak Hour - 2016 without
Project Description: Lambert Lane East of La Cholla		
Input Data		
		<input type="checkbox"/> Class I highway <input type="checkbox"/> Class II highway <input checked="" type="checkbox"/> Class III highway Terrain <input type="checkbox"/> Level <input checked="" type="checkbox"/> Rolling Grade Length mi Up/down Peak-hour factor, PHF 0.90 No-passing zone 0% % Trucks and Buses, P _T 6% % Recreational vehicles, P _R 4% Access points mi 1/mi
Analysis direction vol., V _d	329veh/h	
Opposing direction vol., V _o	413veh/h	
Shoulder width ft	2.0	
Lane Width ft	12.0	
Segment Length mi	0.5	
Average Travel Speed		
	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E _T (Exhibit 15-11 or 15-12)	2.0	1.9
Passenger-car equivalents for RVs, E _R (Exhibit 15-11 or 15-13)	1.1	1.1
Heavy-vehicle adjustment factor, f _{HV,ATS} = 1 / (1 + P _T (E _T -1) + P _R (E _R -1))	0.940	0.945
Grade adjustment factor ¹ , f _{g,ATS} (Exhibit 15-9)	0.88	0.93
Demand flow rate ² , v _d (pc/h) v _d = V _d / (PHF * f _{g,ATS} * f _{HV,ATS})	442	522
Free-Flow Speed from Field Measurement	Estimated Free-Flow Speed	
Mean speed of sample ³ , S _{FM}	Base free-flow speed ⁴ , BFFS 45.0 mi/h	
Total demand flow rate, both directions, v	Adj. for lane and shoulder width ⁴ , f _{LS} (Exhibit 15-7) 2.6 mi/h	
Free-flow speed, FFS = S _{FM} + 0.00776(v / f _{HV,ATS})	Adj. for access points ⁴ , f _A (Exhibit 15-8) 0.3 mi/h	
Adj. for no-passing zones, f _{np,ATS} (Exhibit 15-15) 0.6 mi/h	Free-flow speed, FFS (FFS = BFFS - f _{LS} - f _A) 42.2 mi/h	
	Average travel speed, ATS _d = FFS - 0.00776(v _{d,ATS} + V _{o,ATS}) - f _{np,ATS} 34.1 mi/h	
	Percent free flow speed, PFFS 80.8 %	
Percent Time-Spent-Following		
	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E _T (Exhibit 15-18 or 15-19)	1.6	1.4
Passenger-car equivalents for RVs, E _R (Exhibit 15-18 or 15-19)	1.0	1.0
Heavy-vehicle adjustment factor, f _{HV} = 1 / (1 + P _T (E _T -1) + P _R (E _R -1))	0.965	0.977
Grade adjustment factor ¹ , f _{g,PTSF} (Exhibit 15-16 or Ex 15-17)	0.88	0.94
Directional flow rate ² , v _d (pc/h) v _d = V _d / (PHF * f _{HV,PTSF} * f _{g,PTSF})	430	500
Base percent time-spent-following ⁴ , BPTSF _d (%) = 100(1 - e ^{-av_d})	46.1	
Adj. for no-passing zone, f _{np,PTSF} (Exhibit 15-21)	14.1	
Percent time-spent-following, PTSF _d (%) = BPTSF _d + f _{np,PTSF} * (v _{d,PTSF} / v _{d,PTSF} + V _{o,PTSF})	52.6	
Level of Service and Other Performance Measures		
Level of service, LOS (Exhibit 15-3)	C	
Volume to capacity ratio, v/c	0.26	

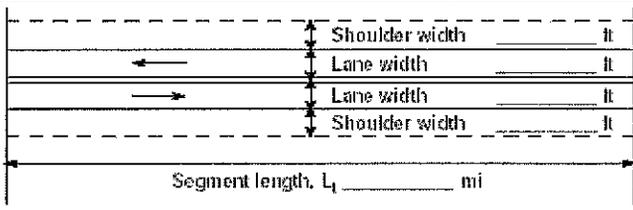
Capacity, $C_{d,ATS}$ (Equation 15-12) veh/h	1536
Capacity, $C_{d,PTSF}$ (Equation 15-13) veh/h	1594
Percent Free-Flow Speed PF_{FS_d} (Equation 15-11 - Class III only)	80.8
Bicycle Level of Service	
Directional demand flow rate in outside lane, v_{OL} (Eq. 15-24) veh/h	365.6
Effective width, W_v (Eq. 15-29) ft	14.00
Effective speed factor, S_f (Eq. 15-30)	4.79
Bicycle level of service score, BLOS (Eq. 15-31)	5.38
Bicycle level of service (Exhibit 15-4)	E

Notes

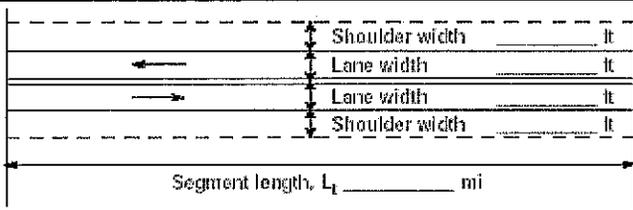
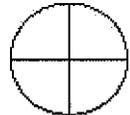
- Note that the adjustment factor for level terrain is 1.00, as level terrain is one of the base conditions. For the purpose of grade adjustment, specific downgrade segments are treated as level terrain.
- If v_d or $v_o \geq 1,700$ pc/h, terminate analysis--the LOS is F.
- For the analysis direction only and for $v > 200$ veh/h.
- For the analysis direction only
- Exhibit 15-20 provides coefficients a and b for Equation 15-10.
- Use alternative Exhibit 15-14 if some trucks operate at crawl speeds on a specific downgrade.

DIRECTIONAL TWO-LANE HIGHWAY SEGMENT WORKSHEET			
General Information		Site Information	
Analyst Agency or Company Date Performed Analysis Time Period	<i>Gutknecht SWTE 9/12/2014</i>	Highway / Direction of Travel From/To Jurisdiction Analysis Year	<i>Lambert Lane (eastbound) AM Peak Hour - 2016 with</i>
Project Description: <i>Lambert Lane East of La Cholla</i>			
Input Data			
		<input type="checkbox"/> Class I highway <input type="checkbox"/> Class II highway <input checked="" type="checkbox"/> Class III highway Terrain <input type="checkbox"/> Level <input checked="" type="checkbox"/> Rolling Grade Length mi Up/down Peak-hour factor, PHF 0.90 No-passing zone 0% % Trucks and Buses, P _T 6% % Recreational vehicles, P _R 4% Access points mi 1/mi	
Analysis direction vol., V _d	<i>623veh/h</i>		
Opposing direction vol., V _o	<i>406veh/h</i>		
Shoulder width ft	<i>2.0</i>		
Lane Width ft	<i>12.0</i>		
Segment Length mi	<i>0.5</i>		
Average Travel Speed			
	Analysis Direction (d)	Opposing Direction (o)	
Passenger-car equivalents for trucks, E _T (Exhibit 15-11 or 15-12)	<i>1.6</i>	<i>1.9</i>	
Passenger-car equivalents for RVs, E _R (Exhibit 15-11 or 15-13)	<i>1.1</i>	<i>1.1</i>	
Heavy-vehicle adjustment factor, f _{HV,ATS} = 1 / (1 + P _T (E _T -1) + P _R (E _R -1))	<i>0.962</i>	<i>0.945</i>	
Grade adjustment factor ¹ , f _{g,ATS} (Exhibit 15-9)	<i>0.98</i>	<i>0.93</i>	
Demand flow rate ² , v _i (pc/h) v _i = V _i / (PHF * f _{g,ATS} * f _{HV,ATS})	<i>734</i>	<i>513</i>	
Free-Flow Speed from Field Measurement		Estimated Free-Flow Speed	
Mean speed of sample ³ , S _{FM}		Base free-flow speed ⁴ , BFFS	<i>45.0 mi/h</i>
Total demand flow rate, both directions, v		Adj. for lane and shoulder width ⁴ , f _{LS} (Exhibit 15-7)	<i>2.6 mi/h</i>
Free-flow speed, FFS = S _{FM} + 0.00776(v f _{HV,ATS})		Adj. for access points ⁴ , f _A (Exhibit 15-8)	<i>0.3 mi/h</i>
Adj. for no-passing zones, f _{np,ATS} (Exhibit 15-15) <i>0.6 mi/h</i>		Free-flow speed, FFS (FFS = BFFS - f _{LS} - f _A)	<i>42.2 mi/h</i>
		Average travel speed, ATS _d = FFS - 0.00776(v _{d,ATS} + v _{o,ATS}) - f _{np,ATS}	<i>31.9 mi/h</i>
		Percent free flow speed, PFFS	<i>75.6 %</i>
Percent Time-Spent-Following			
	Analysis Direction (d)	Opposing Direction (o)	
Passenger-car equivalents for trucks, E _T (Exhibit 15-18 or 15-19)	<i>1.0</i>	<i>1.4</i>	
Passenger-car equivalents for RVs, E _R (Exhibit 15-18 or 15-19)	<i>1.0</i>	<i>1.0</i>	
Heavy-vehicle adjustment factor, f _{HV} = 1 / (1 + P _T (E _T -1) + P _R (E _R -1))	<i>1.000</i>	<i>0.977</i>	
Grade adjustment factor ¹ , f _{g,PTSF} (Exhibit 15-16 or Ex 15-17)	<i>0.99</i>	<i>0.93</i>	
Directional flow rate ² , v _i (pc/h) v _i = V _i / (PHF * f _{HV,PTSF} * f _{g,PTSF})	<i>699</i>	<i>497</i>	
Base percent time-spent-following ⁴ , BPTSF _d (%) = 100(1 - e ^{-av_d^b})		<i>61.8</i>	
Adj. for no-passing zone, f _{np,PTSF} (Exhibit 15-21)		<i>12.2</i>	
Percent time-spent-following, PTSF _d (%) = BPTSF _d + f _{np,PTSF} * (v _{d,PTSF} / v _{d,PTSF} + v _{o,PTSF})		<i>68.9</i>	
Level of Service and Other Performance Measures			
Level of service, LOS (Exhibit 15-3)		<i>C</i>	
Volume to capacity ratio, v/c		<i>0.43</i>	

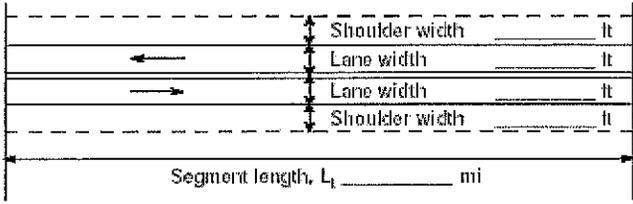
Capacity, $C_{d,ATS}$ (Equation 15-12) veh/h	1536
Capacity, $C_{d,PTSF}$ (Equation 15-13) veh/h	1594
Percent Free-Flow Speed $PFFS_d$ (Equation 15-11 - Class III only)	75.6
Bicycle Level of Service	
Directional demand flow rate in outside lane, v_{OL} (Eq. 15-24) veh/h	692.2
Effective width, Wv (Eq. 15-29) ft	14.00
Effective speed factor, S_f (Eq. 15-30)	4.79
Bicycle level of service score, BLOS (Eq. 15-31)	5.70
Bicycle level of service (Exhibit 15-4)	F
Notes	
<p>1. Note that the adjustment factor for level terrain is 1.00, as level terrain is one of the base conditions. For the purpose of grade adjustment, specific downgrade segments are treated as level terrain.</p> <p>2. If $v_f(v_d \text{ or } v_o) \geq 1,700$ pc/h, terminate analysis--the LOS is F.</p> <p>3. For the analysis direction only and for $v > 200$ veh/h.</p> <p>4. For the analysis direction only</p> <p>5. Exhibit 15-20 provides coefficients a and b for Equation 15-10.</p> <p>6. Use alternative Exhibit 15-14 if some trucks operate at crawl speeds on a specific downgrade.</p>	

DIRECTIONAL TWO-LANE HIGHWAY SEGMENT WORKSHEET		
General Information		Site Information
Analyst Agency or Company Date Performed Analysis Time Period	Gutknecht SWTE 9/12/2014	Highway / Direction of Travel From/To Jurisdiction Analysis Year
Project Description: Lambert Lane East of La Cholla		Lambert Lane (eastbound) PM Peak Hour - 2016 with
Input Data		
	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> Class I highway <input checked="" type="checkbox"/> Class III highway <input type="checkbox"/> Class II highway </div> <div style="width: 45%;"> <input type="checkbox"/> Level <input checked="" type="checkbox"/> Rolling </div> </div> <p>Terrain: <input type="checkbox"/> Level <input checked="" type="checkbox"/> Rolling</p> <p>Grade Length mi: _____ Up/down: _____</p> <p>Peak-hour factor, PHF: 0.90</p> <p>No-passing zone: 0%</p> <p>% Trucks and Buses, P_T: 6%</p> <p>% Recreational vehicles, P_R: 4%</p> <p>Access points mi: 1/mi</p>	
Analysis direction vol., V _d	340veh/h	
Opposing direction vol., V _o	433veh/h	
Shoulder width ft	2.0	
Lane Width ft	12.0	
Segment Length mi	0.5	
Average Travel Speed		
	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E _T (Exhibit 15-11 or 15-12)	2.0	1.8
Passenger-car equivalents for RVs, E _R (Exhibit 15-11 or 15-13)	1.1	1.1
Heavy-vehicle adjustment factor, f _{HV,ATS} = 1 / (1 + P _T (E _T -1) + P _R (E _R -1))	0.940	0.951
Grade adjustment factor ¹ , f _{g,ATS} (Exhibit 15-9)	0.88	0.94
Demand flow rate ² , v _i (pc/h) v _i = V _i / (PHF * f _{g,ATS} * f _{HV,ATS})	457	538
Free-Flow Speed from Field Measurement	Estimated Free-Flow Speed	
Mean speed of sample ³ , S _{FM}	Base free-flow speed ⁴ , BFFS 45.0 mi/h	
Total demand flow rate, both directions, v	Adj. for lane and shoulder width ⁴ , f _{LS} (Exhibit 15-7) 2.6 mi/h	
Free-flow speed, FFS = S _{FM} + 0.00776(v f _{HV,ATS})	Adj. for access points ⁴ , f _A (Exhibit 15-8) 0.3 mi/h	
Adj. for no-passing zones, f _{np,ATS} (Exhibit 15-15) 0.6 mi/h	Free-flow speed, FFS (FFS = BFFS - f _{LS} - f _A) 42.2 mi/h	
	Average travel speed, ATS _d = FFS - 0.00776(v _{d,ATS} + V _{o,ATS}) - f _{np,ATS} 33.9 mi/h	
	Percent free flow speed, PFFS 80.4 %	
Percent Time-Spent-Following		
	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E _T (Exhibit 15-18 or 15-19)	1.6	1.4
Passenger-car equivalents for RVs, E _R (Exhibit 15-18 or 15-19)	1.0	1.0
Heavy-vehicle adjustment factor, f _{HV} = 1 / (1 + P _T (E _T -1) + P _R (E _R -1))	0.965	0.977
Grade adjustment factor ¹ , f _{g,PTSF} (Exhibit 15-16 or Ex 15-17)	0.89	0.95
Directional flow rate ² , v _i (pc/h) v _i = V _i / (PHF * f _{HV,PTSF} * f _{g,PTSF})	440	519
Base percent time-spent-following ⁴ , BPTSF _d (%) = 100(1 - e ^{-av_d})	48.2	
Adj. for no-passing zone, f _{np,PTSF} (Exhibit 15-21)	13.9	
Percent time-spent-following, PTSF _d (%) = BPTSF _d + f _{np,PTSF} * (v _{d,PTSF} / v _{d,PTSF} + V _{o,PTSF})	54.6	
Level of Service and Other Performance Measures		
Level of service, LOS (Exhibit 15-3)	C	
Volume to capacity ratio, v/c	0.27	

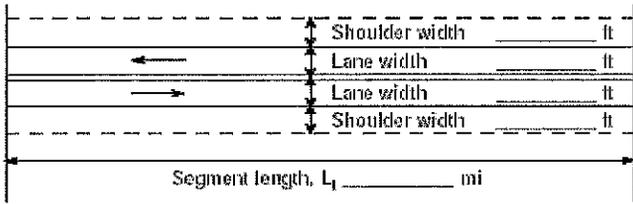
Capacity, $C_{d,ATS}$ (Equation 15-12) veh/h	1536
Capacity, $C_{d,PTSF}$ (Equation 15-13) veh/h	1613
Percent Free-Flow Speed $PFFS_d$ (Equation 15-11 - Class III only)	80.4
Bicycle Level of Service	
Directional demand flow rate in outside lane, v_{OL} (Eq. 15-24) veh/h	377.8
Effective width, W_v (Eq. 15-29) ft	14.00
Effective speed factor, S_f (Eq. 15-30)	4.79
Bicycle level of service score, BLOS (Eq. 15-31)	5.39
Bicycle level of service (Exhibit 15-4)	E
Notes	
<p>1. Note that the adjustment factor for level terrain is 1.00, as level terrain is one of the base conditions. For the purpose of grade adjustment, specific downgrade segments are treated as level terrain.</p> <p>2. If v_d or v_o $\geq 1,700$ pc/h, terminate analysis--the LOS is F.</p> <p>3. For the analysis direction only and for $v > 200$ veh/h.</p> <p>4. For the analysis direction only</p> <p>5. Exhibit 15-20 provides coefficients a and b for Equation 15-10.</p> <p>6. Use alternative Exhibit 15-14 if some trucks operate at crawl speeds on a specific downgrade.</p>	

DIRECTIONAL TWO-LANE HIGHWAY SEGMENT WORKSHEET		
General Information		Site Information
Analyst Agency or Company Date Performed Analysis Time Period	Gutknecht SWTE 9/12/2014	Highway / Direction of Travel From/To Jurisdiction Analysis Year
Project Description: <i>La Cholla south of Lambert</i>		<i>La Cholla (northbound)</i> <i>AM Peak Hour - existing</i>
Input Data		
 <p style="font-size: small;">Shoulder width _____ ft Lane width _____ ft Lane width _____ ft Shoulder width _____ ft</p> <p style="text-align: center;">Segment length, L_s _____ mi</p>	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> Class I highway <input checked="" type="checkbox"/> Class III highway <input type="checkbox"/> Level <input checked="" type="checkbox"/> Rolling </div> <div style="width: 45%;"> <input type="checkbox"/> Class II highway Terrain Up/down Grade Length mi Peak-hour factor, PHF 0.90 No-passing zone 0% % Trucks and Buses, P_T 6% % Recreational vehicles, P_R 4% Access points mi 1/mi </div> </div> <div style="text-align: center; margin-top: 10px;">  <p>Show North Arrow</p> </div>	
Analysis direction vol., V_d	392veh/h	Opposing direction vol., V_o
Shoulder width ft	2.0	Lane Width ft
Lane Width ft	12.0	Segment Length mi
Segment Length mi	0.5	
Average Travel Speed		
	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E_T (Exhibit 15-11 or 15-12)	1.9	1.8
Passenger-car equivalents for RVs, E_R (Exhibit 15-11 or 15-13)	1.1	1.1
Heavy-vehicle adjustment factor, $f_{HV,ATS} = 1 / (1 + P_T(E_T - 1) + P_R(E_R - 1))$	0.945	0.951
Grade adjustment factor ¹ , $f_{g,ATS}$ (Exhibit 15-9)	0.92	0.96
Demand flow rate ² , v_i (pc/h) $v_i = V_i / (PHF * f_{g,ATS} * f_{HV,ATS})$	501	595
Free-Flow Speed from Field Measurement	Estimated Free-Flow Speed	
Mean speed of sample ³ , S_{FM}	Base free-flow speed ⁴ , BFFS 45.0 mi/h	
Total demand flow rate, both directions, v	Adj. for lane and shoulder width ⁴ , f_{LS} (Exhibit 15-7) 2.6 mi/h	
Free-flow speed, $FFS = S_{FM} + 0.00776(v / f_{HV,ATS})$	Adj. for access points ⁴ , f_A (Exhibit 15-8) 0.3 mi/h	
Adj. for no-passing zones, $f_{np,ATS}$ (Exhibit 15-15) 0.4 mi/h	Free-flow speed, FFS ($FFS = BFFS - f_{LS} - f_A$) 42.2 mi/h	
	Average travel speed, $ATS_d = FFS - 0.00776(v_{d,ATS} + v_{o,ATS}) - f_{np,ATS}$ 33.2 mi/h	
	Percent free flow speed, PFFS 78.8 %	
Percent Time-Spent-Following		
	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E_T (Exhibit 15-18 or 15-19)	1.4	1.2
Passenger-car equivalents for RVs, E_R (Exhibit 15-18 or 15-19)	1.0	1.0
Heavy-vehicle adjustment factor, $f_{HV} = 1 / (1 + P_T(E_T - 1) + P_R(E_R - 1))$	0.977	0.988
Grade adjustment factor ¹ , $f_{g,PTSF}$ (Exhibit 15-16 or Ex 15-17)	0.92	0.96
Directional flow rate ² , v_i (pc/h) $v_i = V_i / (PHF * f_{HV,PTSF} * f_{g,PTSF})$	485	573
Base percent time-spent-following ⁴ , $BPTSF_d(\%) = 100(1 - e^{-av_d^b})$	51.6	
Adj. for no-passing zone, $f_{np,PTSF}$ (Exhibit 15-21)	13.6	
Percent time-spent-following, $PTSF_d(\%) = BPTSF_d + f_{np,PTSF} * (v_{d,PTSF} / v_{d,PTSF} + v_{o,PTSF})$	57.8	
Level of Service and Other Performance Measures		
Level of service, LOS (Exhibit 15-3)	C	
Volume to capacity ratio, v/c	0.29	

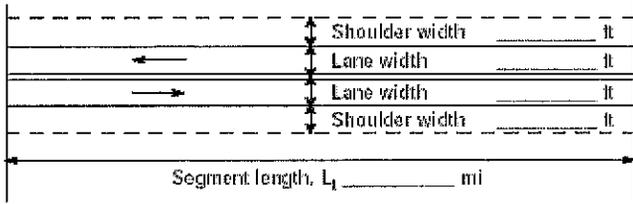
Capacity, $C_{d,ATS}$ (Equation 15-12) veh/h	1560
Capacity, $C_{d,PTSF}$ (Equation 15-13) veh/h	1629
Percent Free-Flow Speed $PFFS_d$ (Equation 15-11 - Class III only)	78.8
Bicycle Level of Service	
Directional demand flow rate in outside lane, v_{OL} (Eq. 15-24) veh/h	436.6
Effective width, W_v (Eq. 15-29) ft	14.00
Effective speed factor, S_t (Eq. 15-30)	4.79
Bicycle level of service score, BLOS (Eq. 15-31)	5.47
Bicycle level of service (Exhibit 15-4)	E
Notes	
<p>1. Note that the adjustment factor for level terrain is 1.00, as level terrain is one of the base conditions. For the purpose of grade adjustment, specific downgrade segments are treated as level terrain.</p> <p>2. If v_d or $v_o \geq 1,700$ pc/h, terminate analysis--the LOS is F.</p> <p>3. For the analysis direction only and for $v > 200$ veh/h.</p> <p>4. For the analysis direction only</p> <p>5. Exhibit 15-20 provides coefficients a and b for Equation 15-10.</p> <p>6. Use alternative Exhibit 15-14 if some trucks operate at crawl speeds on a specific downgrade.</p>	

DIRECTIONAL TWO-LANE HIGHWAY SEGMENT WORKSHEET		
General Information	Site Information	
Analyst <i>Gutknecht</i>	Highway / Direction of Travel <i>La Cholla (northbound)</i>	
Agency or Company <i>SWTE</i>	From/To	
Date Performed <i>9/12/2014</i>	Jurisdiction	
Analysis Time Period	Analysis Year <i>PM Peak Hour - existing</i>	
Project Description: <i>La Cholla East of Lambert</i>		
Input Data		
	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <p><input type="checkbox"/> Class I highway <input type="checkbox"/> Class II highway</p> <p><input checked="" type="checkbox"/> Class III highway</p> <p>Terrain <input type="checkbox"/> Level <input checked="" type="checkbox"/> Rolling</p> <p>Grade Length mi Up/down</p> <p>Peak-hour factor, PHF 0.90</p> <p>No-passing zone 0%</p> <p>% Trucks and Buses, P_T 6%</p> <p>% Recreational vehicles, P_R 4%</p> <p>Access points mi 1/mi</p> </div> <div style="width: 45%; text-align: center;">  <p>Show North Arrow</p> </div> </div>	
Analysis direction vol., V _d 435veh/h		
Opposing direction vol., V _o 252veh/h		
Shoulder width ft 2.0		
Lane Width ft 12.0		
Segment Length mi 0.5		
Average Travel Speed		
	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E _T (Exhibit 15-11 or 15-12)	1.8	2.1
Passenger-car equivalents for RVs, E _R (Exhibit 15-11 or 15-13)	1.1	1.1
Heavy-vehicle adjustment factor, f _{HV,ATS} = 1 / (1 + P _T (E _T -1) + P _R (E _R -1))	0.951	0.935
Grade adjustment factor ¹ , f _{g,ATS} (Exhibit 15-9)	0.94	0.81
Demand flow rate ² , v _i (pc/h) v _i = V _i / (PHF * f _{g,ATS} * f _{HV,ATS})	541	370
Free-Flow Speed from Field Measurement	Estimated Free-Flow Speed	
Mean speed of sample ³ , S _{FM}	Base free-flow speed ⁴ , BFFS 45.0 mi/h	
Total demand flow rate, both directions, v	Adj. for lane and shoulder width ⁴ , f _{LS} (Exhibit 15-7) 2.6 mi/h	
Free-flow speed, FFS = S _{FM} + 0.00776(v / f _{HV,ATS})	Adj. for access points ⁴ , f _A (Exhibit 15-8) 0.3 mi/h	
Adj. for no-passing zones, f _{np,ATS} (Exhibit 15-16) 0.9 mi/h	Free-flow speed, FFS (FFS = BFFS * f _{LS} * f _A) 42.2 mi/h	
	Average travel speed, ATS _d = FFS - 0.00776(v _{d,ATS} + v _{o,ATS}) * f _{np,ATS} 34.2 mi/h	
	Percent free flow speed, PFFS 81.1 %	
Percent Time-Spent-Following		
	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E _T (Exhibit 15-18 or 15-19)	1.4	1.7
Passenger-car equivalents for RVs, E _R (Exhibit 15-18 or 15-19)	1.0	1.0
Heavy-vehicle adjustment factor, f _{HV} = 1 / (1 + P _T (E _T -1) + P _R (E _R -1))	0.977	0.960
Grade adjustment factor ¹ , f _{g,PTSF} (Exhibit 15-16 or Ex 15-17)	0.95	0.84
Directional flow rate ² , v _i (pc/h) v _i = V _i / (PHF * f _{HV,PTSF} * f _{g,PTSF})	521	347
Base percent time-spent-following ⁴ , BPTSF _d (%) = 100(1 - e ^{-av_d})	50.3	
Adj. for no-passing zone, f _{np,PTSF} (Exhibit 15-21)	12.3	
Percent time-spent-following, PTSF _d (%) = BPTSF _d + f _{np,PTSF} * (v _{d,PTSF} / v _{d,PTSF} + v _{o,PTSF})	57.7	
Level of Service and Other Performance Measures		
Level of service, LOS (Exhibit 15-3)	C	
Volume to capacity ratio, v/c	0.32	

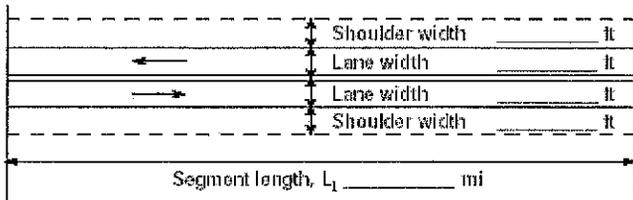
Capacity, $C_{d,ATS}$ (Equation 15-12) veh/h	1367
Capacity, $C_{d,PTSF}$ (Equation 15-13) veh/h	1428
Percent Free-Flow Speed $PFFS_d$ (Equation 15-11 - Class III only)	81.1
Bicycle Level of Service	
Directional demand flow rate in outside lane, v_{OL} (Eq. 15-24) veh/h	483.3
Effective width, W_v (Eq. 15-29) ft	14.00
Effective speed factor, S_t (Eq. 15-30)	4.79
Bicycle level of service score, BLOS (Eq. 15-31)	5.52
Bicycle level of service (Exhibit 15-4)	F
Notes	
<p>1. Note that the adjustment factor for level terrain is 1.00, as level terrain is one of the base conditions. For the purpose of grade adjustment, specific downgrade segments are treated as level terrain.</p> <p>2. If v_d or v_o $\geq 1,700$ pc/h, terminate analysis--the LOS is F.</p> <p>3. For the analysis direction only and for $v > 200$ veh/h.</p> <p>4. For the analysis direction only</p> <p>5. Exhibit 15-20 provides coefficients a and b for Equation 15-10.</p> <p>6. Use alternative Exhibit 15-14 if some trucks operate at crawl speeds on a specific downgrade.</p>	

DIRECTIONAL TWO-LANE HIGHWAY SEGMENT WORKSHEET		
General Information		Site Information
Analyst Agency or Company Date Performed Analysis Time Period	Gutknecht SWTE 9/12/2014	Highway / Direction of Travel From/To Jurisdiction Analysis Year
Project Description: <i>La Cholla south of Lambert</i>		<i>La Cholla (northbound)</i> <i>AM Peak Hour - 2016 without</i>
Input Data		
		<input type="checkbox"/> Class I highway <input type="checkbox"/> Class II highway <input checked="" type="checkbox"/> Class III highway Terrain <input type="checkbox"/> Level <input checked="" type="checkbox"/> Rolling Grade Length mi Up/down Peak-hour factor, PHF 0.90 No-passing zone 0% % Trucks and Buses, P _T 6% % Recreational vehicles, P _R 4% Access points mi 1/mi
Analysis direction vol., V _d	409veh/h	
Opposing direction vol., V _o	510veh/h	
Shoulder width ft	2.0	
Lane Width ft	12.0	
Segment Length mi	0.5	
Average Travel Speed		
	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E _T (Exhibit 15-11 or 15-12)	1.9	1.7
Passenger-car equivalents for RVs, E _R (Exhibit 15-11 or 15-13)	1.1	1.1
Heavy-vehicle adjustment factor, f _{HV,ATS} = 1 / (1 + P _T (E _T -1) + P _R (E _R -1))	0.945	0.956
Grade adjustment factor ¹ , f _{g,ATS} (Exhibit 15-9)	0.93	0.96
Demand flow rate ² , v _d (pc/h) v _d = V _d / (PHF * f _{g,ATS} * f _{HV,ATS})	517	617
Free-Flow Speed from Field Measurement	Estimated Free-Flow Speed	
Mean speed of sample ³ , S _{FM}	Base free-flow speed ⁴ , BFFS 45.0 mi/h	
Total demand flow rate, both directions, v	Adj. for lane and shoulder width ⁴ , f _{LS} (Exhibit 15-7) 2.6 mi/h	
Free-flow speed, FFS = S _{FM} + 0.00776(v f _{HV,ATS})	Adj. for access points ⁴ , f _A (Exhibit 15-8) 0.3 mi/h	
Adj. for no-passing zones, f _{np,ATS} (Exhibit 15-15) 0.4 mi/h	Free-flow speed, FFS (FFS = BFFS - f _{LS} - f _A) 42.2 mi/h	
	Average travel speed, ATS _d = FFS - 0.00776(v _{d,ATS} + V _{o,ATS}) - f _{np,ATS} 33.0 mi/h	
	Percent free flow speed, PFFS 78.2 %	
Percent Time-Spent-Following		
	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E _T (Exhibit 15-18 or 15-19)	1.4	1.2
Passenger-car equivalents for RVs, E _R (Exhibit 15-18 or 15-19)	1.0	1.0
Heavy-vehicle adjustment factor, f _{HV} = 1 / (1 + P _T (E _T -1) + P _R (E _R -1))	0.977	0.988
Grade adjustment factor ¹ , f _{g,PTSF} (Exhibit 15-16 or Ex 15-17)	0.93	0.97
Directional flow rate ² , v _d (pc/h) v _d = V _d / (PHF * f _{HV,PTSF} * f _{g,PTSF})	500	591
Base percent time-spent-following ⁴ , BPTSF _d (%) = 100(1 - e ^{-av_d})	52.5	
Adj. for no-passing zone, f _{np,PTSF} (Exhibit 15-21)	13.5	
Percent time-spent-following, PTSF _d (%) = BPTSF _d + f _{np,PTSF} * (v _{d,PTSF} / v _{d,PTSF} + V _{o,PTSF})	58.7	
Level of Service and Other Performance Measures		
Level of service, LOS (Exhibit 15-3)	C	
Volume to capacity ratio, v/c	0.30	

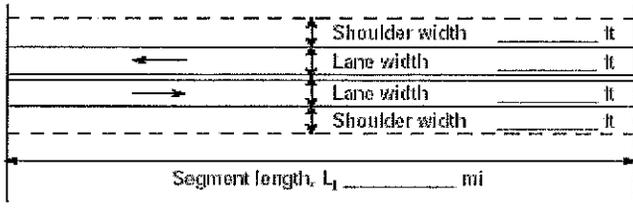
Capacity, $C_{d,ATS}$ (Equation 15-12) veh/h	1576
Capacity, $C_{d,PTSF}$ (Equation 15-13) veh/h	1629
Percent Free-Flow Speed $PFFS_d$ (Equation 15-11 - Class III only)	78.2
Bicycle Level of Service	
Directional demand flow rate in outside lane, v_{OL} (Eq. 15-24) veh/h	454.4
Effective width, W_v (Eq. 15-29) ft	14.00
Effective speed factor, S_f (Eq. 15-30)	4.79
Bicycle level of service score, BLOS (Eq. 15-31)	5.49
Bicycle level of service (Exhibit 15-4)	E
Notes	
<p>1. Note that the adjustment factor for level terrain is 1.00, as level terrain is one of the base conditions. For the purpose of grade adjustment, specific downgrade segments are treated as level terrain.</p> <p>2. If $v_l(v_d \text{ or } v_o) \geq 1,700$ pc/h, terminate analysis--the LOS is F.</p> <p>3. For the analysis direction only and for $v > 200$ veh/h.</p> <p>4. For the analysis direction only</p> <p>5. Exhibit 15-20 provides coefficients a and b for Equation 15-10.</p> <p>6. Use alternative Exhibit 15-14 if some trucks operate at crawl speeds on a specific downgrade.</p>	

DIRECTIONAL TWO-LANE HIGHWAY SEGMENT WORKSHEET		
General Information	Site Information	
Analyst Agency or Company Date Performed Analysis Time Period	Highway / Direction of Travel From/To Jurisdiction Analysis Year	
Project Description: <i>La Cholla south of Lambert</i>		
Input Data		
	<input type="checkbox"/> Class I highway <input type="checkbox"/> Class II highway <input checked="" type="checkbox"/> Class III highway Terrain <input type="checkbox"/> Level <input checked="" type="checkbox"/> Rolling Grade Length mi Up/down Peak-hour factor, PHF 0.90 No-passing zone 0% % Trucks and Buses, P _T 6% % Recreational vehicles, P _R 4% Access points mi 1/mi	
Analysis direction vol., V _d 453veh/h		
Opposing direction vol., V _o 264veh/h		
Shoulder width ft 2.0		
Lane Width ft 12.0		
Segment Length mi 0.5		
Average Travel Speed		
	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E _T (Exhibit 15-11 or 15-12)	1.8	2.1
Passenger-car equivalents for RVs, E _R (Exhibit 15-11 or 15-13)	1.1	1.1
Heavy-vehicle adjustment factor, f _{HV,ATS} = 1 / (1 + P _T (E _T -1) + P _R (E _R -1))	0.951	0.935
Grade adjustment factor ¹ , f _{g,ATS} (Exhibit 15-9)	0.95	0.82
Demand flow rate ² , v _i (pc/h) v _i = V _i / (PHF * f _{g,ATS} * f _{HV,ATS})	557	383
Free-Flow Speed from Field Measurement	Estimated Free-Flow Speed	
Mean speed of sample ³ , S _{FM}	Base free-flow speed ⁴ , BFFS 45.0 mi/h	
Total demand flow rate, both directions, v	Adj. for lane and shoulder width ⁴ , f _{LS} (Exhibit 15-7) 2.6 mi/h	
Free-flow speed, FFS = S _{FM} + 0.00776(v ^{1/4} f _{HV,ATS})	Adj. for access points ⁴ , f _A (Exhibit 15-8) 0.3 mi/h	
Adj. for no-passing zones, f _{np,ATS} (Exhibit 15-15) 0.9 mi/h	Free-flow speed, FFS (FFS = BFFS - f _{LS} - f _A) 42.2 mi/h	
	Average travel speed, ATS _d = FFS - 0.00776(v _{d,ATS} + v _{o,ATS}) - f _{np,ATS} 34.0 mi/h	
	Percent free flow speed, PFFS 80.6 %	
Percent Time-Spent-Following		
	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E _T (Exhibit 15-18 or 15-19)	1.2	1.7
Passenger-car equivalents for RVs, E _R (Exhibit 15-18 or 15-19)	1.0	1.0
Heavy-vehicle adjustment factor, f _{HV} = 1 / (1 + P _T (E _T -1) + P _R (E _R -1))	0.988	0.960
Grade adjustment factor ¹ , f _{g,PTSF} (Exhibit 15-16 or Ex 15-17)	0.96	0.85
Directional flow rate ² , v _i (pc/h) v _i = V _i / (PHF * f _{HV,PTSF} * f _{g,PTSF})	531	360
Base percent time-spent-following ⁴ , BPTSF _d (%) = 100(1 - e ^{-av_d^b})	50.2	
Adj. for no-passing zone, f _{np,PTSF} (Exhibit 15-21)	12.3	
Percent time-spent-following, PTSF _d (%) = BPTSF _d + f _{np,PTSF} * (v _{d,PTSF} / v _{d,PTSF} + v _{o,PTSF})	57.5	
Level of Service and Other Performance Measures		
Level of service, LOS (Exhibit 15-3)	C	
Volume to capacity ratio, v/c	0.33	

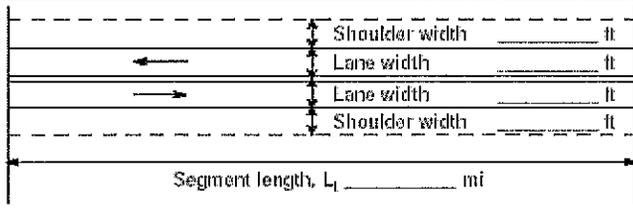
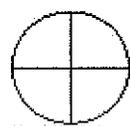
Capacity, $C_{d,ATS}$ (Equation 15-12) veh/h	1390
Capacity, $C_{d,PTSF}$ (Equation 15-13) veh/h	1444
Percent Free-Flow Speed $PFFS_d$ (Equation 15-11 - Class III only)	80.6
Bicycle Level of Service	
Directional demand flow rate in outside lane, v_{OL} (Eq. 15-24) veh/h	503.3
Effective width, W_v (Eq. 15-29) ft	14.00
Effective speed factor, S_f (Eq. 15-30)	4.79
Bicycle level of service score, BLOS (Eq. 15-31)	5.54
Bicycle level of service (Exhibit 15-4)	F
Notes	
<p>1. Note that the adjustment factor for level terrain is 1.00, as level terrain is one of the base conditions. For the purpose of grade adjustment, specific downgrade segments are treated as level terrain.</p> <p>2. If v_d or v_o $\geq 1,700$ pc/h, terminate analysis--the LOS is F.</p> <p>3. For the analysis direction only and for $v > 200$ veh/h.</p> <p>4. For the analysis direction only</p> <p>5. Exhibit 15-20 provides coefficients a and b for Equation 15-10.</p> <p>6. Use alternative Exhibit 15-14 if some trucks operate at crawl speeds on a specific downgrade.</p>	

DIRECTIONAL TWO-LANE HIGHWAY SEGMENT WORKSHEET		
General Information		Site Information
Analyst	Gutknecht	Highway / Direction of Travel La Cholla (northbound)
Agency or Company	SWTE	From/To
Date Performed	9/12/2014	Jurisdiction
Analysis Time Period		Analysis Year AM Peak Hour - 2016 with
Project Description: La Cholla south of Lambert		
Input Data		
	<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> <input type="checkbox"/> Class I highway <input checked="" type="checkbox"/> Class III highway <input type="checkbox"/> Class II highway </div> <div style="width: 45%;"> <input type="checkbox"/> Level <input checked="" type="checkbox"/> Rolling </div> </div> <p>Terrain <input type="checkbox"/> Level <input checked="" type="checkbox"/> Rolling</p> <p>Grade Length mi Up/down</p> <p>Peak-hour factor, PHF 0.90</p> <p>No-passing zone 0%</p> <p>% Trucks and Buses, P_T 6%</p> <p>% Recreational vehicles, P_R 4%</p> <p>Access points mi 1/mi</p>	
Analysis direction vol., V _d	444veh/h	
Opposing direction vol., V _o	533veh/h	
Shoulder width ft	2.0	
Lane Width ft	12.0	
Segment Length mi	0.5	
Average Travel Speed		
	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E _T (Exhibit 15-11 or 15-12)	1.8	1.7
Passenger-car equivalents for RVs, E _R (Exhibit 15-11 or 15-13)	1.1	1.1
Heavy-vehicle adjustment factor, f _{HV,ATS} = 1 / (1 + P _T (E _T -1) + P _R (E _R -1))	0.951	0.956
Grade adjustment factor ¹ , f _{g,ATS} (Exhibit 15-9)	0.95	0.97
Demand flow rate ² , v _i (pc/h) v _i = V _i / (PHF * f _{g,ATS} * f _{HV,ATS})	546	639
Free-Flow Speed from Field Measurement	Estimated Free-Flow Speed	
Mean speed of sample ³ , S _{FM}	Base free-flow speed ⁴ , BFFS	45.0 mi/h
Total demand flow rate, both directions, v	Adj. for lane and shoulder width ⁴ , f _{LS} (Exhibit 15-7)	2.6 mi/h
Free-flow speed, FFS = S _{FM} + 0.00776(v ^{1/4} f _{HV,ATS})	Adj. for access points ⁴ , f _A (Exhibit 15-8)	0.3 mi/h
Adj. for no-passing zones, f _{np,ATS} (Exhibit 15-15) 0.4 mi/h	Free-flow speed, FFS (FFS = BFFS - f _{LS} - f _A)	42.2 mi/h
	Average travel speed, ATS _d = FFS - 0.00776(v _{d,ATS} + v _{o,ATS}) - f _{np,ATS}	32.6 mi/h
	Percent free flow speed, PFFS	77.3 %
Percent Time-Spent-Following		
	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E _T (Exhibit 15-18 or 15-19)	1.4	1.2
Passenger-car equivalents for RVs, E _R (Exhibit 15-18 or 15-19)	1.0	1.0
Heavy-vehicle adjustment factor, f _{HV} = 1 / (1 + P _T (E _T -1) + P _R (E _R -1))	0.977	0.988
Grade adjustment factor ¹ , f _{g,PTSF} (Exhibit 15-16 or Ex 15-17)	0.96	0.97
Directional flow rate ² , v _i (pc/h) v _i = V _i / (PHF * f _{HV,PTSF} * f _{g,PTSF})	526	618
Base percent time-spent-following ⁴ , BPTSF _d (%) = 100(1 - e ^{-av_d})	54.0	
Adj. for no-passing zone, f _{np,PTSF} (Exhibit 15-21)	13.4	
Percent time-spent-following, PTSF _d (%) = BPTSF _d + f _{np,PTSF} * (v _{d,PTSF} / v _{o,PTSF})	60.2	
Level of Service and Other Performance Measures		
Level of service, LOS (Exhibit 15-3)	C	
Volume to capacity ratio, v/c	0.32	

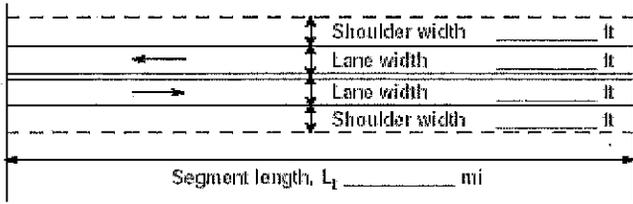
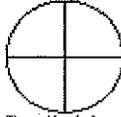
Capacity, $C_{d,ATS}$ (Equation 15-12) veh/h	1576
Capacity, $C_{d,PTSF}$ (Equation 15-13) veh/h	1649
Percent Free-Flow Speed $PFFS_d$ (Equation 15-11 - Class III only)	77.3
Bicycle Level of Service	
Directional demand flow rate in outside lane, v_{OL} (Eq. 15-24) veh/h	493.3
Effective width, W_v (Eq. 15-29) ft	14.00
Effective speed factor, S_f (Eq. 15-30)	4.79
Bicycle level of service score, BLOS (Eq. 15-31)	5.53
Bicycle level of service (Exhibit 15-4)	F
Notes	
<p>1. Note that the adjustment factor for level terrain is 1.00, as level terrain is one of the base conditions. For the purpose of grade adjustment, specific downgrade segments are treated as level terrain.</p> <p>2. If $v_i(v_d \text{ or } v_o) \geq 1,700$ pc/h, terminate analysis--the LOS is F.</p> <p>3. For the analysis direction only and for $v > 200$ veh/h.</p> <p>4. For the analysis direction only</p> <p>5. Exhibit 15-20 provides coefficients a and b for Equation 15-10.</p> <p>6. Use alternative Exhibit 15-14 if some trucks operate at crawl speeds on a specific downgrade.</p>	

DIRECTIONAL TWO-LANE HIGHWAY SEGMENT WORKSHEET		
General Information	Site Information	
Analyst Agency or Company Date Performed Analysis Time Period	Gutknecht SWTE 9/12/2014	
Project Description: <i>La Cholla south of Lambert</i>	Highway / Direction of Travel <i>La Cholla (northbound)</i> From/To Jurisdiction Analysis Year <i>PM Peak Hour - 2016 with</i>	
Input Data		
 <p style="margin-top: 10px;">Analysis direction vol., V_d 488veh/h Opposing direction vol., V_o 306veh/h Shoulder width ft 2.0 Lane Width ft 12.0 Segment Length mi 0.5</p>	<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  Show North Arrow </div> <div style="font-size: small;"> <input type="checkbox"/> Class I highway <input type="checkbox"/> Class II highway <input checked="" type="checkbox"/> Class III highway Terrain <input type="checkbox"/> Level <input checked="" type="checkbox"/> Rolling Grade Length mi Up/down Peak-hour factor, PHF 0.90 No-passing zone 0% % Trucks and Buses, P_T 6 % % Recreational vehicles, P_R 4% Access points mi 1/mi </div> </div>	
Average Travel Speed		
	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E_T (Exhibit 15-11 or 15-12)	1.8	2.1
Passenger-car equivalents for RVs, E_R (Exhibit 15-11 or 15-13)	1.1	1.1
Heavy-vehicle adjustment factor, $f_{HV,ATS} = 1 / (1 + P_T(E_T - 1) + P_R(E_R - 1))$	0.951	0.935
Grade adjustment factor ¹ , $f_{g,ATS}$ (Exhibit 15-9)	0.96	0.86
Demand flow rate ² , v_i (pc/h) $v_i = V_i / (PHF * f_{g,ATS} * f_{HV,ATS})$	594	423
Free-Flow Speed from Field Measurement	Estimated Free-Flow Speed	
	Base free-flow speed ⁴ , BFFS	45.0 mi/h
Mean speed of sample ³ , S_{FM}	Adj. for lane and shoulder width ⁴ , f_{LS} (Exhibit 15-7)	2.6 mi/h
Total demand flow rate, both directions, v	Adj. for access points ⁴ , f_A (Exhibit 15-8)	0.3 mi/h
Free-flow speed, $FFS = S_{FM} + 0.00776(v * f_{HV,ATS})$	Free-flow speed, FFS ($FFS = BFFS - f_{LS} - f_A$)	42.2 mi/h
Adj. for no-passing zones, $f_{np,ATS}$ (Exhibit 15-15) 0.8 mi/h	Average travel speed, $ATS_d = FFS - 0.00776(v_{d,ATS} + v_{o,ATS}) - f_{np,ATS}$	33.4 mi/h
	Percent free flow speed, PFFS	79.3 %
Percent Time-Spent-Following		
	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E_T (Exhibit 15-18 or 15-19)	1.2	1.6
Passenger-car equivalents for RVs, E_R (Exhibit 15-18 or 15-19)	1.0	1.0
Heavy-vehicle adjustment factor, $f_{HV} = 1 / (1 + P_T(E_T - 1) + P_R(E_R - 1))$	0.988	0.965
Grade adjustment factor ¹ , $f_{g,PTSF}$ (Exhibit 15-16 or Ex 15-17)	0.96	0.87
Directional flow rate ² , v_i (pc/h) $v_i = V_i / (PHF * f_{HV,PTSF} * f_{g,PTSF})$	572	405
Base percent time-spent-following ⁴ , $BPTSF_d(\%) = 100(1 - e^{-av_d^b})$	53.6	
Adj. for no-passing zone, $f_{np,PTSF}$ (Exhibit 15-21)	12.6	
Percent time-spent-following, $PTSF_d(\%) = BPTSF_d + f_{np,PTSF} * (v_{d,PTSF} / v_{o,PTSF} + v_{o,PTSF})$	61.0	
Level of Service and Other Performance Measures		
Level of service, LOS (Exhibit 15-3)	C	
Volume to capacity ratio, v/c	0.35	

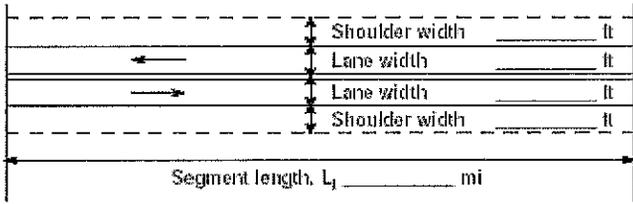
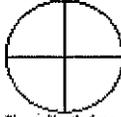
Capacity, $C_{d,ATS}$ (Equation 15-12) veh/h	1438
Capacity, $C_{d,PTSF}$ (Equation 15-13) veh/h	1494
Percent Free-Flow Speed $PFFS_d$ (Equation 15-11 - Class III only)	79.3
Bicycle Level of Service	
Directional demand flow rate in outside lane, v_{OL} (Eq. 15-24) veh/h	542.2
Effective width, W_v (Eq. 15-29) ft	14.00
Effective speed factor, S_f (Eq. 15-30)	4.79
Bicycle level of service score, BLOS (Eq. 15-31)	5.58
Bicycle level of service (Exhibit 15-4)	F
Notes	
<p>1. Note that the adjustment factor for level terrain is 1.00, as level terrain is one of the base conditions. For the purpose of grade adjustment, specific downgrade segments are treated as level terrain.</p> <p>2. If v_d or v_o \geq 1,700 pc/h, terminate analysis--the LOS is F.</p> <p>3. For the analysis direction only and for $v > 200$ veh/h.</p> <p>4. For the analysis direction only</p> <p>5. Exhibit 15-20 provides coefficients a and b for Equation 15-10.</p> <p>6. Use alternative Exhibit 15-14 if some trucks operate at crawl speeds on a specific downgrade.</p>	

DIRECTIONAL TWO-LANE HIGHWAY SEGMENT WORKSHEET		
General Information		Site Information
Analyst Agency or Company Date Performed Analysis Time Period	Gutknecht SWTE 9/12/2014	Highway / Direction of Travel From/To Jurisdiction Analysis Year
Project Description: <i>La Cholla south of Lambert</i>		<i>La Cholla (southbound)</i> <i>AM Peak Hour - existing</i>
Input Data		
 <p style="margin-top: 10px;">Analysis direction vol., V_d 489veh/h Opposing direction vol., V_o 392veh/h Shoulder width ft 2.0 Lane Width ft 12.0 Segment Length mi 0.5</p>	<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  Show North Arrow </div> <div> <input type="checkbox"/> Class I highway <input type="checkbox"/> Class II highway <input checked="" type="checkbox"/> Class III highway Terrain <input type="checkbox"/> Level <input checked="" type="checkbox"/> Rolling Grade Length mi Up/down Peak-hour factor, PHF 0.90 No-passing zone 0% % Trucks and Buses, P_T 6% % Recreational vehicles, P_R 4% Access points mi 1/mi </div> </div>	
Average Travel Speed		
	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E_T (Exhibit 15-11 or 15-12)	1.8	1.9
Passenger-car equivalents for RVs, E_R (Exhibit 15-11 or 15-13)	1.1	1.1
Heavy-vehicle adjustment factor, $f_{HV,ATS} = 1 / (1 + P_T(E_T - 1) + P_R(E_R - 1))$	0.951	0.945
Grade adjustment factor ¹ , $f_{g,ATS}$ (Exhibit 15-9)	0.96	0.92
Demand flow rate ² , v_i (pc/h) $v_i = V_i / (PHF * f_{g,ATS} * f_{HV,ATS})$	595	501
Free-Flow Speed from Field Measurement	Estimated Free-Flow Speed	
Mean speed of sample ³ , S_{FM}	Base free-flow speed ⁴ , BFFS	45.0 mi/h
Total demand flow rate, both directions, v	Adj. for lane and shoulder width ⁴ , f_{LS} (Exhibit 15-7)	2.6 mi/h
Free-flow speed, $FFS = S_{FM} + 0.00776(v / f_{HV,ATS})$	Adj. for access points ⁴ , f_A (Exhibit 15-8)	0.3 mi/h
Adj. for no-passing zones, $f_{np,ATS}$ (Exhibit 15-15) 0.6 mi/h	Free-flow speed, FFS ($FFS = BFFS - f_{LS} - f_A$)	42.2 mi/h
	Average travel speed, $ATS_d = FFS - 0.00776(v_{d,ATS} + v_{o,ATS}) - f_{np,ATS}$	33.0 mi/h
	Percent free flow speed, PFFS	78.3 %
Percent Time-Spent-Following		
	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E_T (Exhibit 15-18 or 15-19)	1.2	1.4
Passenger-car equivalents for RVs, E_R (Exhibit 15-18 or 15-19)	1.0	1.0
Heavy-vehicle adjustment factor, $f_{HV} = 1 / (1 + P_T(E_T - 1) + P_R(E_R - 1))$	0.988	0.977
Grade adjustment factor ¹ , $f_{g,PTSF}$ (Exhibit 15-16 or Ex 15-17)	0.96	0.92
Directional flow rate ² , v_i (pc/h) $v_i = V_i / (PHF * f_{HV,PTSF} * f_{g,PTSF})$	573	485
Base percent time-spent-following ⁴ , $BPTSF_d(%) = 100(1 - e^{-av_d^b})$	55.9	
Adj. for no-passing zone, $f_{np,PTSF}$ (Exhibit 15-21)	13.6	
Percent time-spent-following, $PTSF_d(%) = BPTSF_d + f_{np,PTSF} * (v_{d,PTSF} / v_{d,PTSF} + v_{o,PTSF})$	63.3	
Level of Service and Other Performance Measures		
Level of service, LOS (Exhibit 15-3)	C	
Volume to capacity ratio, v/c	0.35	

Capacity, $C_{d,ATS}$ (Equation 15-12) veh/h	1520
Capacity, $C_{d,PTSF}$ (Equation 15-13) veh/h	1577
Percent Free-Flow Speed $PFFS_d$ (Equation 15-11 - Class III only)	78.3
Bicycle Level of Service	
Directional demand flow rate in outside lane, v_{OL} (Eq. 15-24) veh/h	543.3
Effective width, W_v (Eq. 15-29) ft	14.00
Effective speed factor, S_f (Eq. 15-30)	4.79
Bicycle level of service score, BLOS (Eq. 15-31)	5.58
Bicycle level of service (Exhibit 15-4)	F
Notes	
<p>1. Note that the adjustment factor for level terrain is 1.00, as level terrain is one of the base conditions. For the purpose of grade adjustment, specific downgrade segments are treated as level terrain.</p> <p>2. If $v_i(v_d \text{ or } v_o) \geq 1,700$ pc/h, terminate analysis--the LOS is F.</p> <p>3. For the analysis direction only and for $v > 200$ veh/h.</p> <p>4. For the analysis direction only</p> <p>5. Exhibit 15-20 provides coefficients a and b for Equation 15-10.</p> <p>6. Use alternative Exhibit 15-14 if some trucks operate at crawl speeds on a specific downgrade.</p>	

DIRECTIONAL TWO-LANE HIGHWAY SEGMENT WORKSHEET		
General Information	Site Information	
Analyst <i>Gutknecht</i>	Highway / Direction of Travel <i>La Cholla (southbound)</i>	
Agency or Company <i>SWTE</i>	From/To	
Date Performed <i>9/12/2014</i>	Jurisdiction	
Analysis Time Period	Analysis Year <i>PM Peak Hour - existing</i>	
Project Description: <i>La Cholla East of Lambert</i>		
Input Data		
 <p style="font-size: small;">Shoulder width _____ ft Lane width _____ ft Lane width _____ ft Shoulder width _____ ft Segment length, L_1 _____ mi</p>	<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  <p style="font-size: x-small;">Show North Arrow</p> </div> <div> <input type="checkbox"/> Class I highway <input type="checkbox"/> Class II highway <input checked="" type="checkbox"/> Class III highway Terrain <input type="checkbox"/> Level <input checked="" type="checkbox"/> Rolling Grade Length mi Up/down Peak-hour factor, PHF 0.90 No-passing zone 0% % Trucks and Buses, P_T 6 % % Recreational vehicles, P_R 4% Access points mi 1/mi </div> </div>	
Analysis direction vol., V_d 252veh/h		
Opposing direction vol., V_o 435veh/h		
Shoulder width ft 2.0		
Lane Width ft 12.0		
Segment Length mi 0.5		
Average Travel Speed		
	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E_T (Exhibit 15-11 or 15-12)	2.1	1.8
Passenger-car equivalents for RVs, E_R (Exhibit 15-11 or 15-13)	1.1	1.1
Heavy-vehicle adjustment factor, $f_{HV,ATS} = 1 / (1 + P_T(E_T - 1) + P_R(E_R - 1))$	0.935	0.951
Grade adjustment factor ¹ , $f_{g,ATS}$ (Exhibit 15-9)	0.81	0.94
Demand flow rate ² , v_i (pc/h) $v_i = V_i / (PHF * f_{g,ATS} * f_{HV,ATS})$	370	541
Free-Flow Speed from Field Measurement	Estimated Free-Flow Speed	
Mean speed of sample ³ , S_{FM}	Base free-flow speed ⁴ , BFFS 45.0 mi/h	
Total demand flow rate, both directions, v	Adj. for lane and shoulder width ⁴ , f_{LS} (Exhibit 15-7) 2.6 mi/h	
Free-flow speed, $FFS = S_{FM} + 0.00776(v / f_{HV,ATS})$	Adj. for access points ⁴ , f_A (Exhibit 15-8) 0.3 mi/h	
Adj. for no-passing zones, $f_{np,ATS}$ (Exhibit 15-15) 0.5 mi/h	Free-flow speed, FFS ($FFS = BFFS - f_{LS} - f_A$) 42.2 mi/h	
	Average travel speed, $ATS_d = FFS - 0.00776(v_{d,ATS} + v_{o,ATS}) - f_{np,ATS}$ 34.5 mi/h	
	Percent free flow speed, PFFS 81.9 %	
Percent Time-Spent-Following		
	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E_T (Exhibit 15-18 or 15-19)	1.7	1.4
Passenger-car equivalents for RVs, E_R (Exhibit 15-18 or 15-19)	1.0	1.0
Heavy-vehicle adjustment factor, $f_{HV} = 1 / (1 + P_T(E_T - 1) + P_R(E_R - 1))$	0.960	0.977
Grade adjustment factor ¹ , $f_{g,PTSF}$ (Exhibit 15-16 or Ex 15-17)	0.84	0.95
Directional flow rate ² , v_i (pc/h) $v_i = V_i / (PHF * f_{HV,PTSF} * f_{g,PTSF})$	347	521
Base percent time-spent-following ⁴ , $BPTSF_d(\%) = 100(1 - e^{-a v_d^b})$	41.3	
Adj. for no-passing zone, $f_{np,PTSF}$ (Exhibit 15-21)	12.3	
Percent time-spent-following, $PTSF_d(\%) = BPTSF_d + f_{np,PTSF} * (v_{d,PTSF} / v_{o,PTSF} + v_{o,PTSF})$	46.2	
Level of Service and Other Performance Measures		
Level of service, LOS (Exhibit 15-3)	C	
Volume to capacity ratio, v/c	0.22	

Capacity, $C_{d,ATS}$ (Equation 15-12) veh/h	1536
Capacity, $C_{d,PTSF}$ (Equation 15-13) veh/h	1613
Percent Free-Flow Speed $PFFS_d$ (Equation 15-11 - Class III only)	81.9
Bicycle Level of Service	
Directional demand flow rate in outside lane, v_{OL} (Eq. 15-24) veh/h	280.0
Effective width, Wv (Eq. 15-29) ft	14.00
Effective speed factor, S_f (Eq. 15-30)	4.79
Bicycle level of service score, BLOS (Eq. 15-31)	5.24
Bicycle level of service (Exhibit 15-4)	E
Notes	
<p>1. Note that the adjustment factor for level terrain is 1.00, as level terrain is one of the base conditions. For the purpose of grade adjustment, specific downgrade segments are treated as level terrain.</p> <p>2. If v_d or $v_o \geq 1,700$ pc/h, terminate analysis--the LOS is F.</p> <p>3. For the analysis direction only and for $v > 200$ veh/h.</p> <p>4. For the analysis direction only</p> <p>5. Exhibit 15-20 provides coefficients a and b for Equation 15-10.</p> <p>6. Use alternative Exhibit 15-14 if some trucks operate at crawl speeds on a specific downgrade.</p>	

DIRECTIONAL TWO-LANE HIGHWAY SEGMENT WORKSHEET		
General Information		Site Information
Analyst Agency or Company Date Performed Analysis Time Period	Gutknecht SWTE 9/12/2014	Highway / Direction of Travel From/To Jurisdiction Analysis Year
Project Description: <i>La Cholla south of Lambert</i>		<i>La Cholla (southbound)</i> <i>AM Peak Hour - 2016 without</i>
Input Data		
 <p style="font-size: small;">Shoulder width _____ ft Lane width _____ ft Lane width _____ ft Shoulder width _____ ft</p> <p style="text-align: center;">Segment length, L_j _____ mi</p>	<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  <p style="font-size: x-small;">Show North Arrow</p> </div> <div> <input type="checkbox"/> Class I highway <input type="checkbox"/> Class II highway <input checked="" type="checkbox"/> Class III highway Terrain <input type="checkbox"/> Level <input checked="" type="checkbox"/> Rolling Grade Length mi Up/down Peak-hour factor, PHF 0.90 No-passing zone 0% % Trucks and Buses, P_T 6% % Recreational vehicles, P_R 4% Access points <i>mi</i> 1/mi </div> </div>	
Analysis direction vol., V_d	510veh/h	Opposing direction vol., V_o
Shoulder width ft	2.0	Lane Width ft
Lane Width ft	12.0	Segment Length mi
Segment Length mi	0.5	
Average Travel Speed		
	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E_T (Exhibit 15-11 or 15-12)	1.7	1.9
Passenger-car equivalents for RVs, E_R (Exhibit 15-11 or 15-13)	1.1	1.1
Heavy-vehicle adjustment factor, $f_{HV,ATS} = 1 / (1 + P_T(E_T - 1) + P_R(E_R - 1))$	0.956	0.945
Grade adjustment factor ¹ , $f_{g,ATS}$ (Exhibit 15-9)	0.96	0.93
Demand flow rate ² , v_i (pc/h) $v_i = V_i / (PHF * f_{g,ATS} * f_{HV,ATS})$	617	517
Free-Flow Speed from Field Measurement	Estimated Free-Flow Speed	
Mean speed of sample ³ , S_{FM}	Base free-flow speed ⁴ , BFFS 45.0 mi/h	
Total demand flow rate, both directions, v	Adj. for lane and shoulder width ⁴ , f_{LS} (Exhibit 15-7) 2.6 mi/h	
Free-flow speed, $FFS = S_{FM} + 0.00776(v / f_{HV,ATS})$	Adj. for access points ⁴ , f_A (Exhibit 15-8) 0.3 mi/h	
Adj. for no-passing zones, $f_{np,ATS}$ (Exhibit 15-15) 0.6 mi/h	Free-flow speed, FFS ($FFS = BFFS - f_{LS} - f_A$) 42.2 mi/h	
	Average travel speed, $ATS_d = FFS - 0.00776(v_{d,ATS} + v_{o,ATS}) - f_{np,ATS}$ 32.7 mi/h	
	Percent free flow speed, PFFS 77.7 %	
Percent Time-Spent-Following		
	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E_T (Exhibit 15-18 or 15-19)	1.2	1.4
Passenger-car equivalents for RVs, E_R (Exhibit 15-18 or 15-19)	1.0	1.0
Heavy-vehicle adjustment factor, $f_{HV} = 1 / (1 + P_T(E_T - 1) + P_R(E_R - 1))$	0.988	0.977
Grade adjustment factor ¹ , $f_{g,PTSF}$ (Exhibit 15-16 or Ex 15-17)	0.97	0.93
Directional flow rate ² , v_i (pc/h) $v_i = V_i / (PHF * f_{HV,PTSF} * f_{g,PTSF})$	591	500
Base percent time-spent-following ⁴ , $BPTSF_d(\%) = 100(1 - e^{-av_d^b})$	56.0	
Adj. for no-passing zone, $f_{np,PTSF}$ (Exhibit 15-21)	13.5	
Percent time-spent-following, $PTSF_d(\%) = BPTSF_d + f_{np,PTSF} * (v_{d,PTSF} / v_{d,PTSF} + v_{o,PTSF})$	63.3	
Level of Service and Other Performance Measures		
Level of service, LOS (Exhibit 15-3)	C	
Volume to capacity ratio, v/c	0.36	

Capacity, $C_{d,ATS}$ (Equation 15-12) veh/h	1536
Capacity, $C_{d,PTSF}$ (Equation 15-13) veh/h	1594
Percent Free-Flow Speed $PFFS_d$ (Equation 15-11 - Class III only)	77.7
Bicycle Level of Service	
Directional demand flow rate in outside lane, v_{OL} (Eq. 15-24) veh/h	566.7
Effective width, Wv (Eq. 15-29) ft	14.00
Effective speed factor, S_f (Eq. 15-30)	4.79
Bicycle level of service score, BLOS (Eq. 15-31)	5.60
Bicycle level of service (Exhibit 15-4)	F
Notes	
<p>1. Note that the adjustment factor for level terrain is 1.00, as level terrain is one of the base conditions. For the purpose of grade adjustment, specific downgrade segments are treated as level terrain.</p> <p>2. If v_d or $v_o \geq 1,700$ pc/h, terminate analysis--the LOS is F.</p> <p>3. For the analysis direction only and for $v > 200$ veh/h.</p> <p>4. For the analysis direction only</p> <p>5. Exhibit 15-20 provides coefficients a and b for Equation 15-10.</p> <p>6. Use alternative Exhibit 15-14 if some trucks operate at crawl speeds on a specific downgrade.</p>	

DIRECTIONAL TWO-LANE HIGHWAY SEGMENT WORKSHEET

General Information		Site Information	
Analyst	Gutknecht	Highway / Direction of Travel	La Cholla (southbound)
Agency or Company	SWTE	From/To	
Date Performed	9/12/2014	Jurisdiction	
Analysis Time Period		Analysis Year	PM Peak Hour - 2016 without

Project Description: La Cholla south of Lambert

Input Data

Segment length, L_1 _____ mi

Class I highway Class II highway
 Class III highway

Terrain Level Rolling

Grade Length mi Up/down
 Peak-hour factor, PHF 0.90
 No-passing zone 0%
 % Trucks and Buses, P_T 6%
 % Recreational vehicles, P_R 4%
 Access points mi 1/mi

Analysis direction vol., V_d	264veh/h		
Opposing direction vol., V_o	453veh/h		
Shoulder width ft	2.0		
Lane Width ft	12.0		
Segment Length mi	0.5		

Average Travel Speed

	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E_T (Exhibit 15-11 or 15-12)	2.1	1.8
Passenger-car equivalents for RVs, E_R (Exhibit 15-11 or 15-13)	1.1	1.1
Heavy-vehicle adjustment factor, $f_{HV,ATS} = 1 / (1 + P_T(E_T - 1) + P_R(E_R - 1))$	0.935	0.951
Grade adjustment factor ¹ , $f_{g,ATS}$ (Exhibit 15-9)	0.82	0.95
Demand flow rate ² , v_i (pc/h) $v_i = V_i / (PHF * f_{g,ATS} * f_{HV,ATS})$	383	557
Free-Flow Speed from Field Measurement	Estimated Free-Flow Speed	
Mean speed of sample ³ , S_{FM}		45.0 mi/h
Total demand flow rate, both directions, v		2.6 mi/h
Free-flow speed, $FFS = S_{FM} + 0.00776(v * f_{HV,ATS})$		0.3 mi/h
Adj. for no-passing zones, $f_{np,ATS}$ (Exhibit 15-15) 0.5 mi/h		42.2 mi/h
		Average travel speed, $ATS_d = FFS - 0.00776(v_{d,ATS} + v_{o,ATS}) * f_{np,ATS}$
		34.3 mi/h
		Percent free flow speed, PFFS
		81.5 %

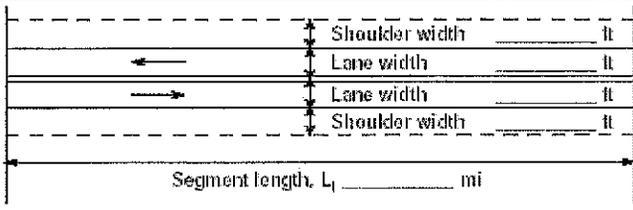
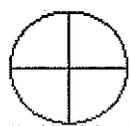
Percent Time-Spent-Following

	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E_T (Exhibit 15-18 or 15-19)	1.7	1.2
Passenger-car equivalents for RVs, E_R (Exhibit 15-18 or 15-19)	1.0	1.0
Heavy-vehicle adjustment factor, $f_{HV} = 1 / (1 + P_T(E_T - 1) + P_R(E_R - 1))$	0.960	0.988
Grade adjustment factor ¹ , $f_{g,PTSF}$ (Exhibit 15-16 or Ex 15-17)	0.85	0.96
Directional flow rate ² , v_i (pc/h) $v_i = V_i / (PHF * f_{HV,PTSF} * f_{g,PTSF})$	360	531
Base percent time-spent-following ⁴ , $BPTSF_d(\%) = 100(1 - e^{-a v_d^b})$		41.7
Adj. for no-passing zone, $f_{np,PTSF}$ (Exhibit 15-21)		12.3
Percent time-spent-following, $PTSF_d(\%) = BPTSF_d + f_{np,PTSF} * (v_{d,PTSF} / v_{d,PTSF} + v_{o,PTSF})$		46.7

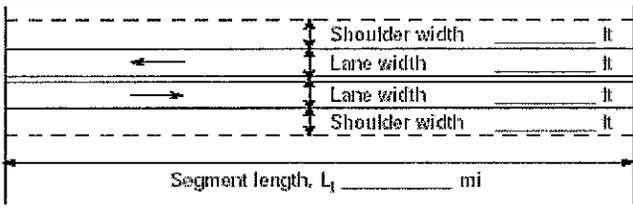
Level of Service and Other Performance Measures

Level of service, LOS (Exhibit 15-3)	C
Volume to capacity ratio, v/c	0.23

Capacity, $C_{d,ATS}$ (Equation 15-12) veh/h	1552
Capacity, $C_{d,PTSF}$ (Equation 15-13) veh/h	1613
Percent Free-Flow Speed $PFFS_d$ (Equation 15-11 - Class III only)	81.5
Bicycle Level of Service	
Directional demand flow rate in outside lane, v_{OL} (Eq. 15-24) veh/h	293.3
Effective width, Wv (Eq. 15-29) ft	14.00
Effective speed factor, S_f (Eq. 15-30)	4.79
Bicycle level of service score, BLOS (Eq. 15-31)	5.26
Bicycle level of service (Exhibit 15-4)	E
Notes	
<p>1. Note that the adjustment factor for level terrain is 1.00, as level terrain is one of the base conditions. For the purpose of grade adjustment, specific downgrade segments are treated as level terrain.</p> <p>2. If v_d or $v_o \geq 1,700$ pc/h, terminate analysis--the LOS is F.</p> <p>3. For the analysis direction only and for $v > 200$ veh/h.</p> <p>4. For the analysis direction only</p> <p>5. Exhibit 15-20 provides coefficients a and b for Equation 15-10.</p> <p>6. Use alternative Exhibit 15-14 if some trucks operate at crawl speeds on a specific downgrade.</p>	

DIRECTIONAL TWO-LANE HIGHWAY SEGMENT WORKSHEET		
General Information		Site Information
Analyst	Gutknecht	Highway / Direction of Travel La Cholla (southbound)
Agency or Company	SWTE	From/To
Date Performed	9/12/2014	Jurisdiction
Analysis Time Period		Analysis Year AM Peak Hour - 2016 with
Project Description: La Cholla south of Lambert		
Input Data		
 <p style="font-size: small;">Shoulder width _____ ft Lane width _____ ft Lane width _____ ft Shoulder width _____ ft Segment length, L_1 _____ mi</p>	<div style="display: flex; justify-content: space-between;"> <div style="text-align: center;">  <small>Show North Arrow</small> </div> <div> <input type="checkbox"/> Class I highway <input type="checkbox"/> Class II highway <input checked="" type="checkbox"/> Class III highway </div> </div> <div style="margin-top: 5px;"> Terrain <input type="checkbox"/> Level <input checked="" type="checkbox"/> Rolling Grade Length mi Up/down Peak-hour factor, PHF 0.90 No-passing zone 0% % Trucks and Buses, P_T 6% % Recreational vehicles, P_R 4% Access points mi 1/mi </div>	
Analysis direction vol., V_d	533veh/h	
Opposing direction vol., V_o	444veh/h	
Shoulder width ft	2.0	
Lane Width ft	12.0	
Segment Length mi	0.5	
Average Travel Speed		
	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E_T (Exhibit 15-11 or 15-12)	1.7	1.8
Passenger-car equivalents for RVs, E_R (Exhibit 15-11 or 15-13)	1.1	1.1
Heavy-vehicle adjustment factor, $f_{HV,ATS} = 1 / (1 + P_T(E_T - 1) + P_R(E_R - 1))$	0.956	0.951
Grade adjustment factor ¹ , $f_{g,ATS}$ (Exhibit 15-9)	0.97	0.95
Demand flow rate ² , v_i (pc/h) $v_i = V_i / (PHF * f_{g,ATS} * f_{HV,ATS})$	639	546
Free-Flow Speed from Field Measurement	Estimated Free-Flow Speed	
Mean speed of sample ³ , S_{FM}	Base free-flow speed ⁴ , BFFS 45.0 mi/h	
Total demand flow rate, both directions, v	Adj. for lane and shoulder width ⁴ , f_{LS} (Exhibit 15-7) 2.6 mi/h	
Free-flow speed, $FFS = S_{FM} + 0.00776(v * f_{HV,ATS})$	Adj. for access points ⁴ , f_A (Exhibit 15-8) 0.3 mi/h	
Adj. for no-passing zones, $f_{np,ATS}$ (Exhibit 15-15) 0.5 mi/h	Free-flow speed, FFS ($FFS = BFFS - f_{LS} - f_A$) 42.2 mi/h	
	Average travel speed, $ATS_d = FFS - 0.00776(v_{d,ATS} + v_{o,ATS}) - f_{np,ATS}$ 32.4 mi/h	
	Percent free flow speed, PFFS 76.9 %	
Percent Time-Spent-Following		
	Analysis Direction (d)	Opposing Direction (o)
Passenger-car equivalents for trucks, E_T (Exhibit 15-18 or 15-19)	1.2	1.4
Passenger-car equivalents for RVs, E_R (Exhibit 15-18 or 15-19)	1.0	1.0
Heavy-vehicle adjustment factor, $f_{HV} = 1 / (1 + P_T(E_T - 1) + P_R(E_R - 1))$	0.988	0.977
Grade adjustment factor ¹ , $f_{g,PTSF}$ (Exhibit 15-16 or Ex 15-17)	0.97	0.96
Directional flow rate ² , v_i (pc/h) $v_i = V_i / (PHF * f_{HV,PTSF} * f_{g,PTSF})$	618	526
Base percent time-spent-following ⁴ , $BPTSF_d(\%) = 100(1 - e^{-v_d * b})$	58.7	
Adj. for no-passing zone, $f_{np,PTSF}$ (Exhibit 15-21)	13.4	
Percent time-spent-following, $PTSF_d(\%) = BPTSF_d + f_{np,PTSF} * (v_{d,PTSF} / v_{d,PTSF} + v_{o,PTSF})$	65.9	
Level of Service and Other Performance Measures		
Level of service, LOS (Exhibit 15-3)	C	
Volume to capacity ratio, v/c	0.38	

Capacity, $C_{d,ATS}$ (Equation 15-12) veh/h	1552
Capacity, $C_{d,PTSF}$ (Equation 15-13) veh/h	1613
Percent Free-Flow Speed $PFFS_d$ (Equation 15-11 - Class III only)	76.9
Bicycle Level of Service	
Directional demand flow rate in outside lane, v_{OL} (Eq. 15-24) veh/h	592.2
Effective width, Wv (Eq. 15-29) ft	14.00
Effective speed factor, S_f (Eq. 15-30)	4.79
Bicycle level of service score, BLOS (Eq. 15-31)	5.62
Bicycle level of service (Exhibit 15-4)	F
Notes	
<p>1. Note that the adjustment factor for level terrain is 1.00, as level terrain is one of the base conditions. For the purpose of grade adjustment, specific downgrade segments are treated as level terrain.</p> <p>2. If v_d or v_o $\geq 1,700$ pc/h, terminate analysis--the LOS is F.</p> <p>3. For the analysis direction only and for $v > 200$ veh/h.</p> <p>4. For the analysis direction only</p> <p>5. Exhibit 15-20 provides coefficients a and b for Equation 15-10.</p> <p>6. Use alternative Exhibit 15-14 if some trucks operate at crawl speeds on a specific downgrade.</p>	

DIRECTIONAL TWO-LANE HIGHWAY SEGMENT WORKSHEET			
General Information		Site Information	
Analyst	Gutknecht	Highway / Direction of Travel	La Cholla (southbound)
Agency or Company	SWTE	From/To	
Date Performed	9/12/2014	Jurisdiction	
Analysis Time Period		Analysis Year	PM Peak Hour - 2016 with
Project Description: La Cholla south of Lambert			
Input Data			
		<input type="checkbox"/> Class I highway <input type="checkbox"/> Class II highway <input checked="" type="checkbox"/> Class III highway Terrain <input type="checkbox"/> Level <input checked="" type="checkbox"/> Rolling Grade Length mi Up/down Peak-hour factor, PHF 0.90 No-passing zone 0% % Trucks and Buses, P _T 6% % Recreational vehicles, P _R 4% Access points mi 1/mi	
Analysis direction vol., V _d	306veh/h		
Opposing direction vol., V _o	488veh/h		
Shoulder width ft	2.0		
Lane Width ft	12.0		
Segment Length mi	0.5		
Average Travel Speed			
	Analysis Direction (d)	Opposing Direction (o)	
Passenger-car equivalents for trucks, E _T (Exhibit 15-11 or 15-12)	2.1	1.8	
Passenger-car equivalents for RVs, E _R (Exhibit 15-11 or 15-13)	1.1	1.1	
Heavy-vehicle adjustment factor, f _{HV,ATS} = 1 / (1 + P _T (E _T -1) + P _R (E _R -1))	0.935	0.951	
Grade adjustment factor ¹ , f _{g,ATS} (Exhibit 15-9)	0.86	0.96	
Demand flow rate ² , v _i (pc/h) v _i = V _i / (PHF * f _{g,ATS} * f _{HV,ATS})	423	594	
Free-Flow Speed from Field Measurement		Estimated Free-Flow Speed	
Mean speed of sample ³ , S _{FM}		Base free-flow speed ⁴ , BFFS	45.0 mi/h
Total demand flow rate, both directions, v		Adj. for lane and shoulder width ⁴ , f _{LS} (Exhibit 15-7)	2.6 mi/h
Free-flow speed, FFS = S _{FM} + 0.00776(v f _{HV,ATS})		Adj. for access points ⁴ , f _A (Exhibit 15-8)	0.3 mi/h
Adj. for no-passing zones, f _{np,ATS} (Exhibit 15-15) 0.4 mi/h		Free-flow speed, FFS (FFS = BFFS - f _{LS} - f _A)	42.2 mi/h
		Average travel speed, ATS _d = FFS - 0.00776(v _{d,ATS} + v _{o,ATS}) - f _{np,ATS}	33.8 mi/h
		Percent free flow speed, PFFS	80.3 %
Percent Time-Spent-Following			
	Analysis Direction (d)	Opposing Direction (o)	
Passenger-car equivalents for trucks, E _T (Exhibit 15-18 or 15-19)	1.6	1.2	
Passenger-car equivalents for RVs, E _R (Exhibit 15-18 or 15-19)	1.0	1.0	
Heavy-vehicle adjustment factor, f _{HV} = 1 / (1 + P _T (E _T -1) + P _R (E _R -1))	0.965	0.988	
Grade adjustment factor ¹ , f _{g,PTSF} (Exhibit 15-16 or Ex 15-17)	0.87	0.96	
Directional flow rate ² , v _i (pc/h) v _i = V _i / (PHF * f _{HV,PTSF} * f _{g,PTSF})	405	572	
Base percent time-spent-following ⁴ , BPTSF _d (%) = 100(1 - e ^{-av_d^b})		45.1	
Adj. for no-passing zone, f _{np,PTSF} (Exhibit 15-21)		12.6	
Percent time-spent-following, PTSF _d (%) = BPTSF _d + f _{np,PTSF} * (v _{d,PTSF} / v _{d,PTSF} + v _{o,PTSF})		50.3	
Level of Service and Other Performance Measures			
Level of service, LOS (Exhibit 15-3)		C	
Volume to capacity ratio, v/c		0.25	

Capacity, $C_{d,ATS}$ (Equation 15-12) veh/h	1560
Capacity, $C_{d,PTSF}$ (Equation 15-13) veh/h	1629
Percent Free-Flow Speed PF_{FS_d} (Equation 15-11 - Class III only)	80.3
Bicycle Level of Service	
Directional demand flow rate in outside lane, v_{OL} (Eq. 15-24) veh/h	340.0
Effective width, W_v (Eq. 15-29) ft	14.00
Effective speed factor, S_f (Eq. 15-30)	4.79
Bicycle level of service score, BLOS (Eq. 15-31)	5.34
Bicycle level of service (Exhibit 15-4)	E
Notes	
<p>1. Note that the adjustment factor for level terrain is 1.00, as level terrain is one of the base conditions. For the purpose of grade adjustment, specific downgrade segments are treated as level terrain.</p> <p>2. If v_d or $v_o \geq 1,700$ pc/h, terminate analysis--the LOS is F.</p> <p>3. For the analysis direction only and for $v > 200$ veh/h.</p> <p>4. For the analysis direction only</p> <p>5. Exhibit 15-20 provides coefficients a and b for Equation 15-10.</p> <p>6. Use alternative Exhibit 15-14 if some trucks operate at crawl speeds on a specific downgrade.</p>	



**TRAFFIC IMPACT ANALYSIS
PROPOSED NEIGHBORHOOD
SOUTHEAST OF LA CHOLLA BOULEVARD/LAMBERT LANE**

APPENDIX

Turn Lane Analysis

PM Peak Hour

V = 97 vph

Vehicles/cycle = 2 x (vehicles/hour)/cycles/hour

Storage length = vehicles/cycle x 25 feet

S (ft) = $\frac{97 \text{ vph} \times (2) \times (25 \text{ ft/veh}) \times (90 \text{ sec/cycle})}{(3600 \text{ sec/hr})}$ = 121 feet

Minimum Recommended Storage: 125 feet

Un-Signalized Intersection (Left Turn Lane)

Location: South Driveway/Owl Head Place

Approach/Leg: Southbound

2016 With Project

V = vehicles per hour

AM Peak Half Hour

V = 34 vph

S = Storage = (V * 2 min * 25 ft/veh) / 60 min/hr

$$S \text{ (ft)} = \frac{34 \text{ vph} * (2 \text{ min}) * (25 \text{ ft/veh})}{(60 \text{ min/halfhr})} = 28 \text{ feet}$$

Minimum Recommended Storage: 50 feet

Un-Signalized Intersection (Left Turn Lane)

Location: North Driveway/Lambert Lane

Approach/Leg: Westbound

2016 With Project

V = vehicles per hour

AM Peak Half Hour

V = 20 vtp

S = Storage = (V * 2 min * 25 ft/veh)/60min/hr

$$S \text{ (ft)} = \frac{20 \text{ vph} * (2 \text{ min}) * (25 \text{ ft/veh})}{(60 \text{ min/halfhr})} = 17 \text{ feet}$$

Minimum Recommended Storage: 25 feet

CULTURAL RESOURCE REPORT



A Class III Cultural Resources Survey of 61 ha (143 Acres) near the Southeast Corner of La Cholla Boulevard and Lambert Lane, in the Town of Oro Valley, Pima County, Arizona

Prepared by:
Joseph Howell, M.A.

Tierra Archaeological Report No. 2015-012
March 12, 2015

**A Class III Cultural Resources Survey of 61 ha (143 Acres) near the Southeast
Corner of La Cholla Boulevard and Lambert Lane, in the Town of Oro Valley,
Pima County, Arizona**

Prepared by:
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INTRODUCTION

At the request of Peter Fasseas of Future Arizona, Inc. (FAI), Tierra Right of Way Services, Ltd. (Tierra), performed a Class III cultural resources survey of approximately 61 ha (143 acres) for a proposed development in the Town of Oro Valley, Pima County, Arizona. The cultural resources survey is part of a rezoning application submitted by FAI to the Town of Oro Valley. To determine if any prehistoric or historic resources that might be adversely affected by the proposed project are present in the subject property, a cultural resources survey was required for the completion of the rezoning application. Barbara K. Montgomery, Ph.D., acted as Tierra's principal investigator and Tom Euler was the project manager. Fieldwork was conducted on March 6, 2015, by Tierra archaeologists Chance Copperstone, M.A. (field director), Joseph Howell, M.A. (field technician), and Tom Robinson (field technician). The Arizona State Historic Preservation Office (SHPO) Survey Report Summary Form is included in Appendix C.

THE PROJECT AREA

The project area is located in the Town of Oro Valley in Pima County, Arizona (Figures 1 and 2; Photo 1). It is located in the northwest quarter of Section 15, Township 12 South, Range 13 East, Gila and Salt River Baseline Meridian (G&SRB&M), on the Ruelas Canyon, Arizona (1992), U.S. Geological Survey 7.5-minute topographic quadrangle. The subject parcel consists of undeveloped private land southeast of the intersection of La Cholla Boulevard and Lambert Lane. The parcel consists of undulating land cut by three large, unnamed main ephemeral drainages that are tributaries of Cañada del Oro and numerous smaller gullies and rills. It is located on the M1 piedmont deposits, which are isolated from fluvial processes except for the deeply cut channels (McKittrick 1988:3).

The project area lies within the Arizona Upland Subdivision of the Sonoran Desertscrub biotic community (Turner and Brown 1994), at a mean elevation of 774 m (2,540 feet) above mean sea level (AMSL). Dominant plant species within this subdivision include triangle-leaf bursage (*Ambrosia deltoidea*), creosotebush (*Larrea tridentata*), mesquite (*Prosopis* spp.), catclaw acacia (*Acacia greggii*), whitethorn acacia (*Acacia constricta*), palo verde (*Parkinsonia microphylla*), and various species of cacti, prickly pear (*Opuntia* spp.) and several types of cholla (*Cylindropuntia* spp.) being the most prevalent. Old, large saguaros (*Carnegiea gigantea*) are also prominent in the project area.

CULTURE HISTORY

Paleoindian and Early Archaic Periods (11,000–6000 B.C.)

The first known inhabitants of southern Arizona are referred to by archaeologists as Paleoindians. These groups were migratory peoples who entered North America during the Pleistocene epoch. Two classic characteristics of Paleoindian sites are the presence of fluted, lanceolate projectile points (i.e., Clovis points; see below) and the fossil remains of now-extinct species, particularly Pleistocene megafauna such as mammoth (*Mammuthus* spp.) and ancient bison (*Bison antiquus*) (Reid and Whittlesey 1997:30–37). The Paleoindians were originally conceptualized purely as big-game hunters, but it is now understood that these people actually exploited a spectrum of biological resources, a subsistence strategy not unlike those practiced by later Archaic period peoples (Mabry 1998:105–107).

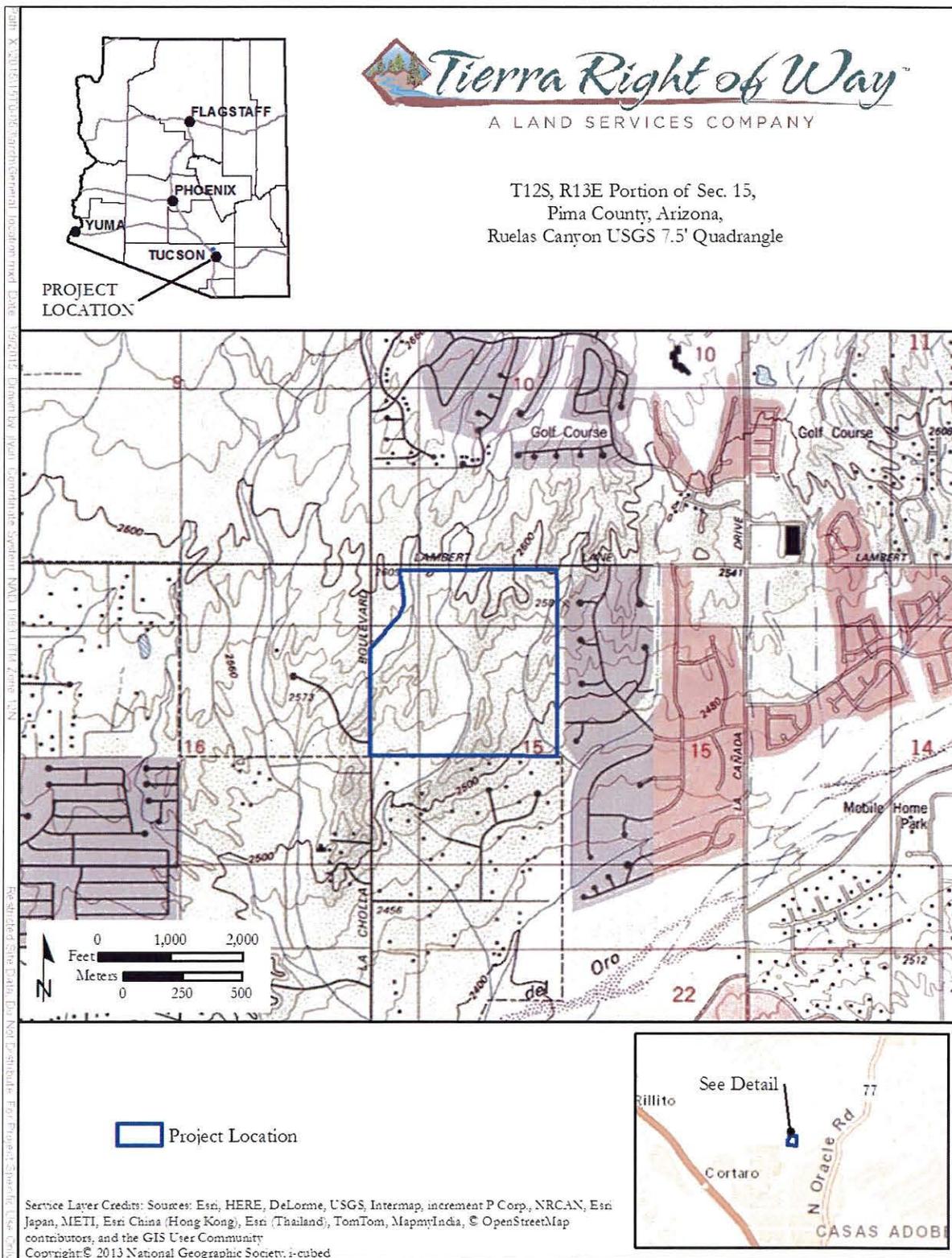


Figure 1. Project location.

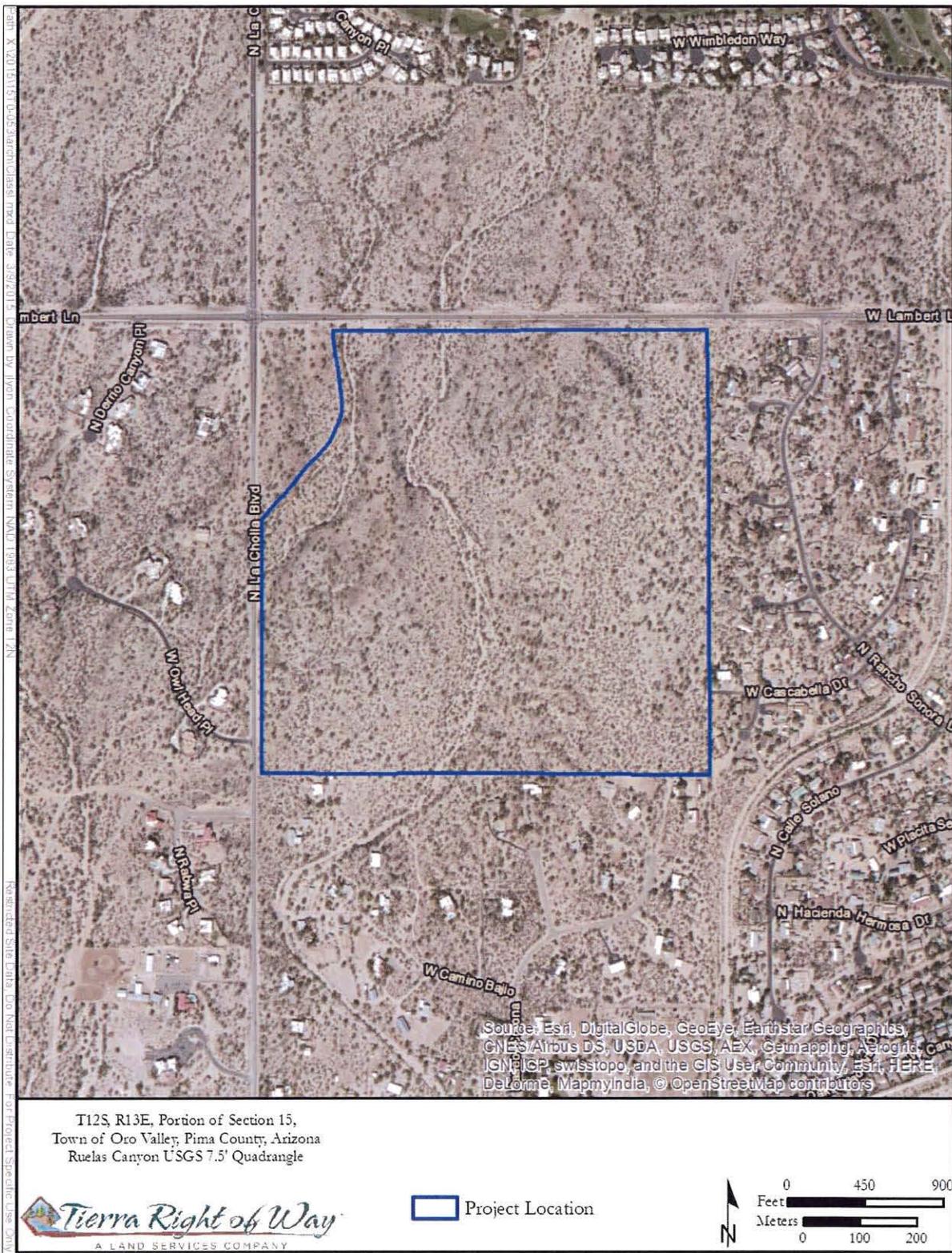


Figure 2. Detailed project location.



Photo 1. Overview of the project area. View is to the northwest.

The earliest definitively dated archaeological sites in the Southwest are Clovis occupations, typified by Clovis points. These points display concave bases, basal fluting, and lateral and marginal grinding (Slaughter 1992:72). Several important Clovis sites, including Naco, Lehner, Escapule, and Murray Springs, are located in the upper San Pedro valley of southeastern Arizona (Faught and Freeman 1998:41). At the Murray Springs site, two Clovis points were found in association with an unbutchered mammoth. Apart from these sites, much of the evidence for a Clovis presence in Arizona is reflected in isolated occurrences of Clovis points (either whole or fragments). Clovis points are known from the St. Johns and Winslow areas for example (Neily 1985:10) and from the San Pedro valley near Kartchner Caverns (Faught and Freeman 1998:44). In Tucson, a Clovis point was discovered in a disturbed context at the Valencia site (Doelle 1985:181). The Clovis complex was succeeded by the Folsom complex, which, like the Clovis, is typified by its distinctive projectile points. Folsom points, unlike Clovis points, have flutes that extend all the way from their proximal to distal ends and have pressure-flaked marginal edges. In Arizona, the only known Folsom points have been found in surface contexts on the Colorado Plateau and the mountain transition zone to the south of the Mogollon Rim (Faught and Freeman 1998:45).

The Early Archaic period (ca. 8500–6000 B.C.) is known in southern Arizona as the Sulphur Spring phase. This phase was originally defined by Sayles and Antevs in 1941 in the Sulphur Springs Valley in southeastern Arizona (Sayles and Antevs 1941). Problems with dating (a result of the work having taken place prior to the development of carbon-dating techniques) originally led Sayles to conclude that a Paleoindian tradition typified by the exploitation of megafauna coexisted here with a hunting-and-gathering tradition that exploited smaller game and various plant resources, as reflected in an artifact assemblage composed of flat milling stones, unifacial scrapers, and other lithic implements. This assessment turned out to be incorrect; however, a reexamination of the material from the

Sulphur Springs Valley did establish a reliable beginning date for the Sulphur Spring phase. Even though they have now been dated with certainty, the sites investigated by Sayles did not include any artifacts that were stylistically distinctive (e.g., projectile points) and therefore temporally diagnostic. In southern Arizona, there has been an overall lack of diagnostic projectile points recovered from Early Archaic sites that can be directly correlated in time with the Sulphur Spring phase. It is therefore difficult to date sites to this phase when other, more-direct methods of dating, such as radiocarbon dating, cannot be used (Huckell 1996:329). One exception to this lack of diagnostic artifacts at Sulphur Spring phase sites is Ventana Cave, where 17 stemmed Ventana-Amargosa points were recovered by Haury (1950) under the Red Sand deposit. The stratigraphic location of these points suggested they were manufactured and deposited sometime after 6700 B.C. Similar points have been reported from Archaic contexts in the northern Santa Rita Mountains, but, again, no associated datable material was found in the same context as the points (Huckell 1996:330–331).

Middle Archaic Period (6000–2100 B.C.)

The Middle Archaic period, also known as the Chiricahua phase of the Cochise culture in the tripartite stage designation schema of Sayles and Antevs (1941) and Sayles (1945), is part of the broader cultural entity that archaeologists have conceptualized as the Archaic period. In terms of material culture, the Middle Archaic period is typified by the addition of shallow basin metates, mortars and pestles, various bifacial tools, and distinctive side-notched projectile points to the overall tool assemblage of the preceding Early Archaic period. Generally, the Middle Archaic period is viewed as a time when regional variations in this material culture across the Southwest became less pronounced. In particular, notched projectile points take on a general similarity of design over large geographic regions. Chiricahua points, for example, are similar in style and manufacturing technique to Pinto and San Jose points, which are found in other areas of Arizona (Slaughter 1992:70). It is thought that this uniformity of technology is related to the high degree of mobility that was presumably characteristic of populations living during this period. Similarly, concave-base Cortaro points, often associated with the succeeding Late Archaic–Early Agricultural period but also present in Middle Archaic contexts, are widely distributed across southern Arizona and have possible equivalents in southern New Mexico and California (Justice 2002:181–182).

In the Tucson Basin, surface Middle Archaic period sites are known from montane and bajada contexts, with the typical artifacts mentioned above in addition to fire-cracked rock and occasional rock cairn burials (Huckell 1995:3). Subsurface Middle Archaic remains are known from two sites in the Santa Cruz River valley—the Los Pozos (Gregory 1999) and Rillito Fan sites (Wallace 1996).

Late Archaic–Early Agricultural Period (2100 B.C.–A.D. 150)

As the name implies, the Late Archaic–Early Agricultural period in the Southwest is marked by the widespread adaptation of cultivated food resources. In this region, this period is also marked by the appearance of permanent or semipermanent domestic architecture, canal irrigation, and the first Mesoamerican cultivars, which arrived as early as the beginning of the second millennium B.C. (Huckell 1996:343)—though maize may have arrived somewhat earlier. At the same time, the period is generally thought to be a time during which people continued a lifeway that remained relatively mobile with the objective of exploiting wild food resources; sites that reflect these activities continue to be categorized under the designation of Late Archaic (Huckell 1995). This period is thought to be one in which groups of people practicing a relatively mobile lifeway began to incorporate, over a long span of time, agricultural products as significant elements of their subsistence.

Work in the Southwest during the past two decades, particularly in the Santa Cruz River valley, has resulted in the discovery of numerous Late Archaic–Early Agricultural period sites and the establishment of a phase sequence for the period. The earliest phase (dated 2100–1500 B.C.) is presently unnamed and is defined by the first appearance of maize (*Zea mays*), pepo squash (*Cucurbita pepo*), storage pits, and large, circular pit structures. Fired sherds, perhaps from incipient vessels, and figurine fragments that date to about 2100 B.C. have been recovered in the Tucson Basin (Mabry 2007:7).

The San Pedro phase (1500–800 B.C.) continued to include these attributes, with the addition of corner-notched San Pedro dart points—a hallmark of the phase—and, in the San Pedro core area, Empire points (Mabry 2007:Figure 1.3). Cultivars added to the crop complex included cotton (*Gossypium* sp.) and possibly the common bean (*Phaseolus vulgaris*). Also appearing during the San Pedro phase were specialized storage structures with large, interior bell-shaped pits; oval and round house-in-pit type structures; a wider variety of functional extramural pits; flexed inhumations, often in cemeteries; stone and bone pipes; distinctive ceramic figurines; canid burials; refinements in ground stone technology; and, in the Santa Cruz River valley, canal-irrigated farming (Mabry 2007:7–9,15–18). Large communal ritual pit structures, perhaps descendants of even larger pre–San Pedro types, were present during the San Pedro phase. The bow and arrow may also have appeared in the Southwest during this time.

The Cienega phase completes the Late Archaic–Early Agricultural period phase sequence. The Cienega phase was initially proposed by Huckell (1995) and is marked by the appearance of Cienega points, which are distinguished morphologically by deep, oblique corner notching and flaring stems and were used as dart and possibly arrow points (Lorentzen 1998:150). The Cienega phase was also characterized by an emphasis on large, circular pit structures that often had cylindrical and, less frequently, bell-shaped subfloor pits (Huckell 1995); a more diverse ground stone artifact assemblage that included stone disks and well-made stone trays; and large, communal houses that may have developed from San Pedro phase predecessors.

Early Ceramic Period (A.D. 150–650)

In both the Tucson and Phoenix Basins, the Early Ceramic period appears to have developed out of the cultural matrix of the Late Archaic–Early Agricultural period; work in the Tucson area in particular has, over the past several years, yielded a large amount of data supporting this idea. Sites in the Tucson region where the Early Ceramic period has been studied extensively include the Houghton Road site (Ciolek-Torrello 1998) and several sites along the Santa Cruz River.

Two Early Ceramic phases have been proposed for the Tucson Basin: the Agua Caliente phase and the Tortolita phase. The Agua Caliente phase (A.D. 150–450) is marked by the appearance of plain, smudged, and incipient red ware vessels produced by hand-molding, scraping and paddling; it represents the ceramic Plain Ware horizon in the Tucson Basin (Ciolek-Torrello 1998:261). Vessel forms across the Southwest at this time consisted predominately of neckless seed jars, which were well-suited for storage purposes, and small hemispherical bowls. This phase was also characterized by an assemblage of milling stones, an expedient flaked stone industry accompanied by a remnant Archaic period bifacial tool technology, and domestic and communal pit houses (Whittlesey and Heckman 2000a:6). Flexed inhumations and small grinding equipment typical of the Late Archaic–Early Agricultural period continued into this phase (Ciolek-Torrello 1995:542). Architecture became more formal in design, with houses incorporating formal plastered hearths and clearly defined entryways.

House shapes are generally rectangular, or in some cases kidney-bean shaped, with plastered pillars or post supports on either side of the house entryways. The communal structures are larger but share morphological attributes of the smaller houses and are strikingly similar to Mogollon communal structures, which eventually evolved into Great Kivas (Reid and Whittlesey 1997:143).

The Tortolita phase (A.D. 450–650) represents the Red Ware horizon in the Tucson Basin and corresponds approximately with the beginning of the Vahki phase (characterized by Vahki Red Ware) in the Phoenix Basin. Tortolita Red is hard-slipped, usually (but not always) on both vessel surfaces, and is typically sand-tempered (Bernard-Shaw 1990; Heidke 2003:148). An additional important change in ceramic manufacture during the Tortolita phase is the expansion of vessel forms from the Agua Caliente-type seed jar to a variety of vessel forms, including flared-rim forms, intended for cooking and serving (Heidke 2003:148). Tortolita phase settlements are larger with more formal patterning than previous Agua Caliente phase settlements, were increasingly dependent on maize, and placed greater emphasis on sedentism. In the Santa Cruz River valley, Tortolita phase sites or sites with a Tortolita component have become relatively well-documented and are currently better known than Agua Caliente sites.

The Hohokam (A.D. 650–1450)

Pioneer Period (A.D. 650–750)

The Pioneer period in the Tucson Basin is not currently well-understood. As mentioned earlier, the first phase of the Pioneer period—the Vahki phase of the Salt-Gila Basin—is equivalent to the Tortolita phase Red Ware horizon in the Tucson Basin. The remaining phases of the Salt-Gila sequence—Estrella, Sweetwater, and Snaketown—are marked by the appearance of decorated pottery. The Estrella phase pottery (Estrella Red-on-gray) is distinguished by painted broadline designs in quartered layouts, typically on bowl interiors. It has been suggested that the appearance of this pottery tradition marks a broadline ceramic horizon, similar to the earlier Plain and Red Ware horizons (Whittlesey and Heckman 2000a:8). Incised pottery also appeared during the Estrella phase (Whittlesey and Heckman 2000b:98).

In the Tucson Basin, red ware ceramics continued to be produced into the Cañada del Oro phase (Wallace et al. 1995:596), and the beginning of the Broadline horizon appears to be more reflective of the addition of broadline decorated pottery to the existing plain and red ware ceramic complex. Broadline ceramics are not common in the Tucson Basin, and they appear to have been restricted to a relatively short span of time. Similar remarks apply to Sweetwater Red-on-gray and Snaketown Red-on-buff ceramics, which display fine-lined and increasingly elaborate designs.

It is during the Snaketown phase, the final phase of the Pioneer period, that distinctly Hohokam traits in material culture become evident in the Tucson Basin, in ceramic design and other technologies. The Snaketown phase, when true red-on-buff ceramics began to be produced, has been viewed by some archaeologists as being the actual beginning of what can be reliably defined as Hohokam, although others believe that Hohokam culture cannot be defined until the Colonial period, when hallmark traits such as ballcourts and a distinctive mortuary complex appeared (Wallace et al. 1995:576, 606).

The Pioneer period in the Tucson Basin, if accepted as being truly present at all, lasted approximately a century. It was characterized by the temporally limited appearance of the Broadline

horizon in the form of Estrella and Sweetwater Red-on-gray ceramics, with the similarly brief appearance of the Snaketown phase (at least in terms of ceramic tradition) as a precursor to the Cañada del Oro phase.

Colonial Period (A.D. 750–950)

The Tucson Basin Colonial period comprises two phases: the Cañada del Oro phase (A.D. 750–850) and the Rillito phase (A.D. 850–950). Several distinguishing cultural traits mark the advent of the Colonial period.

Canal irrigation had been widespread in the Salt-Gila Basin during the Snaketown phase and continued to expand there during the Colonial period. Ballcourts were spaced at an average of 5.5 km (3.4 miles) along the Phoenix canals, suggesting that ballcourts served to identify their villages as the centers of “irrigation communities” (Wilcox and Sternberg 1983). During the Colonial period, the Santa Cruz River was recovering from a period of entrenchment that had begun in about 50 B.C. This resulted in an environment that was increasingly conducive to floodwater farming (Waters 1992:175). Settlement expanded in the Tucson Basin, with ballcourt villages being constructed in the Santa Cruz River valley at several sites. Ballcourts, primary indicators of Mesoamerican influence in the Southwest at this time (Wilcox and Sternberg 1983), likely served as focal points for regional socioeconomic interaction. The large communal houses that had been constructed at many sites from the Late Archaic–Early Agricultural period onward disappeared during the Colonial period. Village settlement was patterned on individual houses organized into house clusters (also termed courtyard groups) that were oriented around a central plaza, a pattern that was already evident during the Pioneer period. Ceramic design began incorporating zoomorphic and anthropomorphic imagery and micaceous temper, which has been interpreted as a result of cultural influence originating in the Salt-Gila Basin (Wallace et al. 1995:601, 605–607).

Cremation burial had virtually replaced inhumation burial by the middle of the Colonial period (Wilcox 1991:270). Even though this trait is a defining characteristic of the Colonial period, it had precedents in the Pioneer period (Crown 1991:145–146). Hohokam cremation burials typically included palettes, worked shell, and stone censurs as mortuary offerings. The cremations were placed in discrete cemeteries that became components of the typical Hohokam village and are frequently associated with plazas and house groups and their accompanying trash mounds. Such cemeteries were apparently associated with the suprahouseholds represented by the house cluster/plaza/trash mound complexes (Wilcox 1991:256).

Sedentary Period (A.D. 950–1150)

The Sedentary period in the Tucson Basin is divided into three subphases: the Early, Middle, and Late Rincon. In the Salt-Gila Basin, it is composed of a single phase, the Sacaton. During the Early Rincon subphase (A.D. 950–1000), the settlements that had been established along major drainages during the Colonial period increased in size, and new settlements expanded along secondary drainages and into bajada environments, allowing for a diversification of agricultural strategies (Crown 1991:149; Wellman and Lascaux 1999:24). Major habitation sites were established at regular intervals along waterways. Villages continued to resemble their Colonial predecessors with their ballcourts and plaza-oriented clusters of dwellings, but smaller settlement types, such as farmsteads, started to appear around the peripheries of larger villages. The construction of ballcourts and the intricate trade network associated with them reached its maximum extent during the Sedentary period (Doyel 1991b:247), although their construction decreased in the Tucson Basin.

Ceramic design motifs took on increasingly geometric forms during this period. Sedentary motifs were less carefully executed than the fine-line work of Colonial period ceramics. The distinctive Gila shoulder, which was formed by the sides of a vessel sloping downward sharply from the neck to create a low shoulder near the base, became a diagnostic marker of the Sedentary period. The production of red ware, which had ceased around the end of the Cañada del Oro phase in Tucson, also began again. Cremation continued as the most common form of burial, but inhumations became more frequent after having been very uncommon or nonexistent during the Colonial period (Crown 1991:149–150). Copper bells, imported from western Mexico, first appeared during the Sedentary period, and shell etching was another innovation in material culture (Haurly 1976:319).

Around A.D. 1000, at the beginning of the Middle Rincon subphase (A.D. 1000–1100), the Santa Cruz River again became entrenched. One result of this was a shift in settlement to the north and to the eastern region of the valley (Waters 1992:175–177). This in turn resulted in increasingly scattered settlements as villages became less riverine-oriented, at least in this area of the Tucson Basin. In the eastern Tucson region, established villages continued to expand. By the Late Rincon subphase, the continued adaptation of farming strategies such as ak-chin farming and runoff diversion to secondary drainages and bajadas had become widespread, with some of these niches being farmed for the first time. Environmental uncertainty may have served as the stimulus for non-floodwater farming. For example, there was an increased emphasis on the cultivation of agave on bajadas (Doyel 1991b:246; Whittlesey 2004:26–27).

During the final years of the Rincon phase, the ballcourt system began to decline, although ballcourts continued to be constructed into the Soho phase in the Phoenix region (Crown 1991: 151–152). Formally constructed platform mounds—in contrast to caliche-capped trash mounds, which are known from the Snaketown phase—began to be constructed and eventually eclipsed ballcourts as the primary form of public architecture by about A.D. 1200 (Doyel 2000:308). This has been interpreted as a change in overall polity as the Hohokam regional system and its accompanying trade relationships collapsed or were at least reorganized (Crown and Judge 1991:297). This change may likewise be reflected in the construction of single-room structures (possibly associated with rituals) on the mound summits and the incorporation of surrounding palisades and, later, adobe-walled compounds (Doyel 2000:305–307).

Classic Period (A.D. 1150–1450)

Southern Arizona societies experienced drastic changes during the Classic period—settlement patterns shifted, and public and domestic architecture changed. In the Tucson Basin, these changes occurred in two broad phases, the Tanque Verde phase (A.D. 1150–1300) and the Tucson phase (A.D. 1300–1450). During the Tanque Verde phase, Tanque Verde Red-on-brown became common across southern Arizona, while in Phoenix the production of red-on-buff ceramics declined (Reid and Whittlesey 1997). Some researchers have suggested that the widespread appearance of Tanque Verde Red-on-brown reflects an increasing complexity in the configuration of Hohokam economic and social relationships (Slaughter and Roberts 1996:14). Although pit house architecture continued, aboveground adobe and stone masonry structures, which were constructed within surrounding compound walls, became common. These structures were frequently freestanding, unlike multi-room pueblos commonly constructed elsewhere in the Southwest (Rice 2003:10).

In the Phoenix Basin, the platform mounds that appeared during the Soho phase were generally constructed at sites with extant ballcourts and were spaced along canals at 5.0 km (3.1 miles). The

location of the mounds in relation to the canal system could suggest that the mounds marked the centers of irrigation communities during this period, much like the ballcourts did in the Colonial period (Crown 1991). In the Tucson Basin, ballcourt construction had ceased by the Classic period, but the Marana community flourished (Fish et al. 1992). The Marana community extended across the northern circumference of the Tucson Basin and consisted of numerous types of sites centered around a platform mound—the Marana Mound site—that had replaced the regional ballcourts as the focal point of social integration. The community also had extensive agricultural fields that were irrigated by both dry-farming techniques and canals. Agave was the principal crop grown in these fields, presumably expanding from agave cultivation within the bajada environments that began during the Rincon phase (Fish et al. 1992:21–24). Agave is more resistant to drought than many of the other Hohokam cultivars, which would have made it a reliable food source during the drier climatic conditions that prevailed during the early Classic period (Masse 1991).

A serious drought, sometimes called the Great Drought, occurred between A.D. 1276 and 1299 (Reid and Whittlesey 1999:17). The Great Drought had the effect of forcing people who lived in regions north of the Mogollon Rim to travel southward across and off the Colorado Plateau in search of food sources; local agriculture had failed and could not support the population base. This resulted in an intercultural exchange between several groups, including the Mogollon, Hohokam, Salado, and Paquimé. Some Anasazi migrants from the Kayenta region arrived in southeastern Arizona as well, as reflected at Reeve Ruin in the San Pedro River valley (Whittlesey and Heckman 2000a:14).

During the Tucson phase, the cultural interaction that resulted from the drought became the impetus for further widespread social changes. Following the abandonment of many of the Tanque Verde phase sites, settlements aggregated into fewer, but larger, sites. This has been interpreted as a defensive tactic in the face of an increasing threat of warfare (Doelle and Wallace 1991:331). Freestanding adobe structures declined, and contiguous (sometimes multistoried) room blocks and stronger, more substantial walls became common (Doyel 1991a:253). Great houses, notably at Casa Grande and Pueblo Grande, appear at this time. The great houses at both sites were constructed on platform mounds. Village settlements frequently consisted of multiple compounds, occasionally concentrically arranged around a central compound mound (such as at Casa Grande and Los Muertos), similar to the older village plan of house clusters arranged around a central plaza, such as at Snaketown (Doyel 1991a:254–256).

After the beginning of the Tucson phase, evidence for the Salado culture appears in southeastern Arizona in the form of Roosevelt Red Ware ceramics, and it has been thought that the Salado superseded the Hohokam in the lower San Pedro River valley (in the region north of Benson) at about this time (Phillips et al. 1993). The culture known by archaeologists as “Salado” was initially formulated in the 1920s to describe and explain sites in the Tonto Basin and the upper Salt River that had a strong resemblance to Mogollon sites but also possessed Hohokam traits, such as platform mounds—although these sites, perhaps significantly, did not have ballcourts. Initially, it was thought that the Salado were pueblo-dwelling people migrating from the north and expanding into the Tonto Basin whose lifeways were imposed upon or adopted by the Hohokam people already living there (Reid and Whittlesey 1997:238–239). Archaeologists Florence Hawley and Harold Gladwin hypothesized that this migration originated from two areas: the upper Gila River region and, later, the Little Colorado River area. Finally, Emil Haury presented a somewhat modified version of the migration model, concluding that the Salado peoples did not “invade” the Hohokam so much as coexist in the same geographical region. Eventually, the migration hypothesis fell into disfavor, and by the 1980s, most Southwestern archaeologists had come to believe that the Salado

had developed “in place” from extant Hohokam populations, the result of increased “social complexity” rather than an influx of new people. Recent speculation that the presence of the Salado resulted from the intense demographic movements during the Classic period has led to a reconsideration of the migration model (Elson et al. 2000:175).

Protohistoric Period (A.D. 1450–1540)

The Protohistoric period—the era between the end of the Classic period and the arrival of the Spanish missionaries—is an obscure period in the prehistory of the Southwest. Comparatively little archaeological evidence belonging to this period has come to light, and much must be inferred from the accounts recorded by Spanish explorers of the state of the Southwest toward the end of the Protohistoric period.

One fundamental question pertains to this era: Who were the Piman-speaking peoples, such as the Sobaipuri of the San Pedro Valley, encountered by the Spanish in southern Arizona? There are two potential answers to this question. One is that the Piman-speaking people living in southern Arizona were simply direct descendants of the Hohokam populations who had faced the social and economic changes that marked the end of the Classic period. The other is that, after the decline of the Hohokam and Salado cultures, the Pimans moved into the area as a new cultural entity, although oral tradition suggests that they may have integrated with people who were already present (Teague 1993:444).

The possibility that Piman speakers were direct descendants of the Hohokam is suggested by the descriptive accounts of the Spanish as they moved northwest from central Mexico into what is now Sonora and Arizona. They found that the majority of people across this region practiced agriculture as a subsistence base. This subsistence strategy differed from those of the people in the surrounding regions of California and the Great Basin and the Athabaskan speakers in the northeast, where hunting and foraging prevailed. Second, little or no political unity was noted by the Spanish beyond the level of individual and autonomous *rancherías*—a system of organization unlike that encountered by the Spanish in Aztec-dominated central Mexico. Finally, trade across the region, although sporadic and not regularized, was widespread and generally did not involve food and tools, but emphasized luxury and ceremonial items instead (Spicer 1962:8–15). All of these traits might be expected to have been present at the time of European contact. Agriculture and trade had long been the norm, and the *rancherías* were perhaps the result of the social reorganization that occurred at the end of the Classic period.

In contrast, Teague (1993) suggests that both linguistics and Piman oral traditions support the idea that the Piman speakers the Spanish encountered had migrated into the region from elsewhere. Linguistically, there is continuity between west-central Mexico and southern Arizona that likely existed prehistorically and was paralleled by some aspects of material culture, notably ballcourts (Kelley 1991). This continuity exists among people speaking variants of the Tepiman language group. The languages spoken by some of the people in Sonora and southern Arizona belong to the Piman people, who were one of the members of the Tepiman group.

The oral traditions of the Piman people in southern Arizona are consistent with both the archaeological record and the linguistic model described above. These traditions focus on the conflict between Elder Brother, or P'itoi, the cultural hero of the Tohono O'odham (and who is known as Siuuhu among the Akimel O'odham) and the (Hohokam) Sivanyi or Siwani. In one

version of the story, Siwani is a personal name (Saxton and Saxton 1973:147–168), but the word Sivanyi also refers to a Hohokam priesthood and may be related linguistically to Shiwanni, the Zuni directional rain priesthoods (Teague 1993:439). The traditions state that warfare erupted between Siwani (or the Sivanyi) and I'toi and his followers, whom (depending on the account) he gathered together from among the O'odham people of northern Sonora or who emerged from beneath the earth at a point south of Baboquivari. There are rather detailed accounts of the progression of the war against the Sivanyi and the eventual victory of I'toi's warriors. Following the conflict and the disposal of the Sivanyi priesthood, the warriors dispersed. Some returned south to the Lower Piman homeland, and some went north to the pueblos, but some remained in the Gila Valley and intermarried into the local (Hohokam) population, eventually becoming the Pimas Gileños (Teague 1993:444). From the foregoing, it appears plausible that these traditions telling of a rebellion against a priestly hegemony at the end of the Classic period echo events that also are reflected in the archaeological record.

The Spanish, therefore, likely entered a world that had undergone traumatic social and environmental changes just before their arrival. It was also during this time (around A.D. 1600) that groups of Athabaskan-speaking people (Apaches) began to migrate to the area from the north and east.

Historic Period (A.D. 1540–1950)

Spanish exploration of the Southwest began as early as 1539 with the preliminary scouting expedition of Fray Marcos de Niza, who had been sent to the region by Mexican viceroy Antonio de Mendoza in response to the accounts of Alvar Núñez Cabeza de Vaca and an African named Esteban—the first person of Old World descent known to have passed through southeastern Arizona—who had wandered to Sonora after being shipwrecked in the Gulf of Mexico in 1528. Esteban was sent back out in 1539 as a guide on an expedition traveling from Sonora to the Pueblo country of northern New Mexico. When other members of his party fell ill, Esteban is believed to have traveled alone across the eastern edge of present-day Arizona to Zuni, where he was killed (Weber 1992). The nominal leader of the expedition, Fray Marcos de Niza, may or may not have eventually followed along. After de Niza's return, Viceroy Mendoza proposed a larger follow-up expedition and selected Vásquez de Coronado as its leader. Coronado's party departed in 1540 in search of the fabled Seven Cities of Cibola. The route of the expedition probably took Coronado through what is now eastern Arizona, although at one time it was speculated that one stop on the journey, Chichilticale or Red House, was in fact the Hohokam adobe house at Casa Grande (Wilson 1999:25–26).

Jesuit missionary Padre Eusebio Kino arrived in Sonora in 1681. After a poorly documented visit to the Casa Grande area in 1694, Kino made a second *entrada* into the area in 1697 (Wilson 1999:24). Setting out from the Nuestra Señora de Dolores mission, Kino traveled north along the San Pedro River and then followed the Gila River to the west, arriving again at Casa Grande on November 18. He was accompanied, in addition to some 20 soldiers and native guides, by Captain Juan Mateo Manje. Manje, unlike Kino, kept well-written journals of his travels. The chronicle of this expedition makes note of small groups of people living along the San Pedro who were identified as the Sobaipuri (Doelle and Wallace 1990). By 1700, Kino and his fellow Jesuits had established a chain of missions extending from present-day Sonora northward into what is now Arizona.

Owing to the efforts of Padre Kino, the missionizing of the people of the Pimería Alta continued into the early eighteenth century. However, after Kino's death in 1711, the mission system in Sonora began to deteriorate, partly as a result of neglect while Spain was distracted by the War of Spanish Succession (Walker and Bufkin 1979:14). After the Pima revolted in 1751, the presidio at Tubac was established. It was later relocated to Tucson near the end of 1775. The presidio was intended not only to provide stability for the Pima mission system but also to stem incursions by the Apache. The Apache had been raiding Piman settlements since shortly prior to the time of Kino's initial contact (Spicer 1962:234), and the escalation of raiding over time resulted in increasing resettlement of the Piman-speaking populace into defensible locations.

From the late 1780s, the implementation of a policy of "carrot-and-stick" diplomacy, by which Apaches and other nomadic tribes were supplied with gifts of food and other items in exchange for halting their raids on settlements, allowed for an expansion of ranching and stock raising all along Mexico's northern frontier. This time of relative peace ended with the independence of Mexico from Spain in 1821. With Spanish support no longer available, the Mexican government dropped their policy of purchasing a state of relative peace with stipends; raiding resumed, and ranching once again ceased to be viable (Morrisey 1950:151).

In the period between Mexico's independence and 1846 (the year the Mexican-American War began), Euroamericans first began to establish a substantial presence in the middle Gila River region. During the war, the "Army of the West," under the command of Colonel Stephen Watts Kearny, was assembled for the conquest of the Southwest, or more precisely, California (Sheridan 1995:50–51). The expedition, led by Kearny and guided by Kit Carson, passed along the Gila River and made the first accurate cartographic record of the region, which would later establish the route for Americans crossing Arizona on their way to California during the Gold Rush of 1849.

The Treaty of Guadalupe-Hidalgo, signed in 1848 following the conclusion of the Mexican-American War, ceded the portion of what is now Arizona lying north of the Gila River to the United States. The entire region stretching from the western border of Texas to the California coast became the Territory of New Mexico in 1850 and continued as such until 1863, when the Territory of Arizona was created by President Lincoln.

In 1854, the Gadsden Purchase expanded the New Mexico Territory from the Gila River south to the present-day Mexican border (Walker and Bufkin 1979:22). The Territory of Arizona was split off from the Territory of New Mexico in 1863. The first railroad, the Southern Pacific, reached Arizona from the west in 1877, but it did not reach Tucson until 1880 (Myrick 1975). Conflict between the Apache and the Euroamerican settlers continued until 1886, when Geronimo surrendered and a cessation of hostilities was negotiated (Collins et al. 1993:32). With the end of open hostilities, settlers resumed their migration to the area with the aid of the railroad. Mining and cattle ranching, which had already become fairly well-established in Arizona prior to the Civil War, became the Territory's main industries.

Arizona attained Statehood in 1912. From the end of the Civil War, ranching, homesteading, and increased urban development brought by the railroads had proliferated in the West, including in Arizona. Mining also played a vital role in Arizona's economy. In the 1930s, the Great Depression limited economic growth, and the mining industry was particularly affected. However, recovery from the Great Depression was extremely rapid in the Tucson Basin, as evidenced by a large population

increase. Ranching, mining, and farming continued to account for a large portion of the economic activity of the Tucson area even into comparatively recent times.

PREVIOUS RESEARCH

Prior to fieldwork, a Class I records check was performed using the AZSITE online database, which contains records pertaining to all surveys and sites registered with the Arizona State Museum (ASM). The Class I search found that 33 surveys had been conducted within a 1.6-km (1.0-mile) buffer zone surrounding the project area prior to the current project (Table 1; see Appendix A, Figure A.1); 4 previously recorded sites are also located within the buffer zone (Table 2; see Figure A.1). The project area has not been previously surveyed.

Table 1. Previous Surveys within a 1.6-km (1-Mile) Radius of the Project Area

ASM Project No.	Project Name/Description	Performing Institution	Report Reference
1976-1.ASM	Canada del Oro Sewer	Arizona State Museum	Brew and Rogge 1976
1979-35.ASM	Rancho Feliz	Arizona State Museum	Urban 1981a
1979-39.ASM	TG & E Northern Tucson Transmission Line Survey	Arizona State Museum	Rozen 1979
1980-150.ASM	Linda Vista Terrace	Arizona State Museum	Clearinghouse Project 80-85-0186, 0187
1981-50.ASM	Saddle Valley	Arizona State Museum	Urban 1981b
1981-174.ASM	The Northern Tucson Basin Survey: Phase I	Arizona State Museum	Madsen et al. 1993
1984-19.ASM	Broadmoor Project Archaeological Exploration	Center for Archaeological Field Training	Stephen 1984
1994-279.ASM	Oracle-Tucson 115-kV Transmission	Western Cultural Resource Management	Brown and Rohman 1994
1996-22.ASM	Overton Road Survey	Tierra Right of Way Services, Ltd.	Carpenter 1996
1996-433.ASM	Owl Head Survey	Tierra Right of Way Services, Ltd.	Tompkins 1996
1997-102.ASM	La Cholla/Lambert	Professional Archaeological Services & Technologies	Stephen 1997
1998-114.ASM	Casa Adobes Wash Survey	SWCA Environmental Consultants, Inc.	Information not available
2000-24.ASM	Naranja Sewer Survey	Tierra Right of Way Services, Ltd.	Hayes 2000
2001-136.ASM	La Cholla and Overton Survey	Tierra Right of Way Services, Ltd.	Olsson and Klune 2001
2001-552.ASM	Well Sites	Professional Archaeological Services and Technologies	Stephen 2001
2001-583.ASM	Qwest Shannon	Engineering & Environmental Consultants	Fuller 2001
2002-330.ASM	La Canada/Lambert SEC	Professional Archaeological Services and Technologies	Stephen 2002

ASM Project No.	Project Name/Description	Performing Institution	Report Reference
2002-360.ASM	Oro Valley 40 Acre	Entranco, Inc.	Davis 2002
2003-7.ASM	Canada del Oro Wash Cultural Resource Survey	SWCA Environmental Consultants, Inc.	I. Hesse 2003
2003-22.ASM	Linda Vista Transmission Main Survey	SWCA Environmental Consultants, Inc.	J. Hesse 2003
2003-1378.ASM	Two-Parcel, ca. 7-Acre Cultural Resources Survey	Old Pueblo Archaeology Center	Jerla 2003
2004-18.ASM	Overton and La Cholla Survey	Tierra Right of Way Services, Ltd.	Moses 2004
2004-559.ASM	Canada del Oro Wash Trail Survey	SWCA Environmental Consultants, Inc.	Tucker 2004
2005-781.ASM	Shangri La Archaeological Survey	WestLand Resources, Inc.	Cook 2004
2005-1238.ASM	Alive Survey	Tierra Right of Way Services, Ltd.	Klimas 2005
2007-20.ASM	Oro Valley Phase 2 Reclaimed Water Project	SWCA Environmental Consultants, Inc.	Fahrni 2007
2008-295.ASM	Lambert Lane Survey	Harris Environmental Group	Harris Environmental Group, Inc. 2008
2008-538.ASM	Camino Del Sur Survey	Tierra Right of Way Services, Ltd.	Jones 2009
2009-324.ASM	Lomas del Oro Wash Repair and Stabilization	URS Corp.	Albush 2009
2010-29.ASM	La Cholla Blvd.	URS Corp.	Cox et al. 2010
2011-128.ASM	Atlas 0378	Aztlan Archaeology, Inc.	Slawson 2010
2011-440.ASM	Atlas 375 Survey	Tierra Right of Way Services, Ltd.	Doak 2011
2012-93.ASM	Atlas 663	Aztlan Archaeology, Inc.	Slawson 2012

Table 2. Previously Recorded Archaeological Sites within a 1.6-km (1-Mile) Radius of the Project Area

Site Number	Site Name/Description	Temporal Placement	NRHP Status
AZ AA:12:817(ASM)	three rock clusters	Ceramic (A.D. 200–500)	considered eligible by recorder
AZ AA:12:1092(ASM)	unknown	unknown	unknown
AZ AA:12:1093(ASM)	house ruins	Historic (A.D. 1500–1950)	not considered eligible by recorder
AZ BB:5:123(ASM)	Oracle-Tucson transmission line	Historic (A.D. 1500–1950)	determined not eligible by SHPO

Key: NRHP = National Register of Historic Places.

General Land Office (GLO) Map No. 1957 for Township 12 South, Range 13 East, G&SRB&M, filed November 23, 1915, was also examined for indications of historic properties within the 1.6-km (1.0-mile) buffer zone surrounding the project area (Figure 3). The map indicates no historic properties in the project area. Within the 1.6-km (1.0-mile) buffer, the map indicates an unnamed road to the west of the project area and the “Matt Lockas House” to the south. Both properties are located well outside the project area.

Please note that due to requirements by the ASM and AZSITE, the mapped locations of the previous projects and sites listed in Tables 1 and 2 are presented in Appendix A, which is detachable, in order to keep their locations confidential. The client copy of this report will have Appendix A removed, but all agency and ASM curation copies will retain Appendix A.

SURVEY EXPECTATIONS

It was expected that new sites could be found within the subject parcel, particularly given the project area’s proximity to Cañada del Oro. Because site density in the vicinity is known to be relatively low, the probability of finding new sites was considered to be below average.

SURVEY METHODS

The survey was conducted by Tierra archaeologists Chance Copperstone, M.A. (field director), Joseph Howell (field technician), and Tom Robinson (field technician), on March 6, 2015. The survey was conducted in accordance with standards established by the ASM for pedestrian surveys on lands administered by the State of Arizona and its subdivisions. According to these standards, 100 percent coverage of an area can be claimed if the entire area is surveyed by crews walking transects spaced no more than 20 m (66 feet) apart across the entire project area. The project area was intensively inspected by walking transects spaced at 20 m (66 feet) or less within the designated project boundaries and inspecting the ground surface. Whenever potential cultural materials were located, the immediate surrounding area was carefully searched to determine the nature and size of the find. Subsequently, the find was designated as a site, an isolated occurrence, or disregarded as non-archaeological. The survey area was photographed, and methods and any findings were noted on standardized forms where applicable. Ground visibility was excellent.

Cultural properties identified during any survey are evaluated in accordance with standards established by the ASM for State-administered lands. These standards require a property to be at least 50 years old. For a property of sufficient age to be recorded as an archaeological *site*, it must consist of one of the following:

1. At least 30 artifacts of a single type (e.g., ceramics or lithics), representing the remains of more than a single episode of activity (e.g., the dropping of a single pot or the reduction of a single core into lithic artifacts);
2. At least 20 artifacts, of two or more types of artifact;
3. A single fixed feature, with any number of artifacts in association; or
4. More than one fixed feature, with or without associated artifacts.

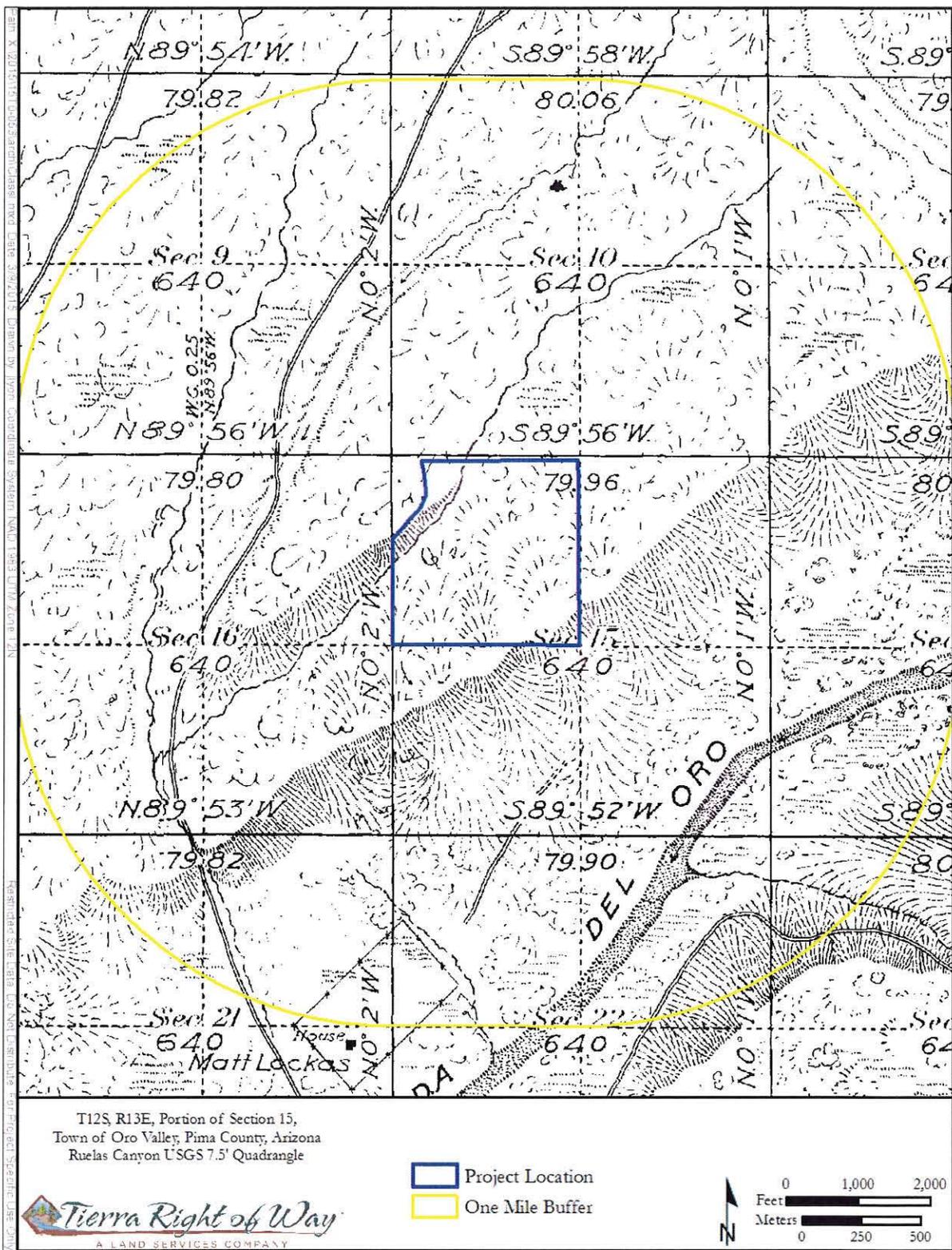


Figure 3. Copy of parts of General Land Office Map No. 1957 (Township 12 South, Range 13 East) showing the current project area and 1.6-km (1-mile) buffer.

A property of sufficient age that does not meet any of these criteria may be recorded as an *isolated occurrence*. However, if such a property is considered to be of particular interest for some other reason, it may also be recorded as a site at the discretion of the recorder. Examples of such isolated occurrences would include rare types of projectile points or significant historic features.

Cultural properties are further evaluated with regard to significance, which is assessed largely in terms of a property's eligibility for inclusion on the National Register of Historic Places (NRHP). As defined by Code of Federal Regulations Title 36, Part 60.2 (36 CFR 60.2), the NRHP is "an authoritative guide to be used by Federal, State, and local governments, private groups and citizens to identify the Nation's cultural resources and to indicate what properties should be considered for protection from destruction or impairment" (36 CFR 60.2). Pursuant to 36 CFR 60.4, these are the criteria by which properties are evaluated:

The quality of significance in American history, architecture, archeology, engineering, and culture is present in districts, sites, buildings, structures, and objects that possess integrity of location, design, setting, materials, workmanship, feeling, and association, and

A. That are associated with events that have made a significant contribution to the broad patterns of our history; or

B. That are associated with the lives of persons significant in our past; or

C. That embody the distinctive characteristics of a type, period, or method of construction, or that represent the work of a master, or that possess high artistic values, or that represent a significant and distinguishable entity whose components may lack individual distinction; or

D. That have yielded or may be likely to yield, information important in prehistory or history (National Park Service 2004).

SURVEY RESULTS

No new or previously recorded sites were encountered during the survey. Two isolated occurrences were recorded (Figure B.1) and are described below and in Table 3.

IO 1 consists of a single plain ware sherd. The sherd is unpolished with sand and mica temper. It was observed in a small rill and may have washed down from the top of a low ridge. However, no additional sherds or other artifacts are located on the ridge.

Table 3. Isolated Occurrences

IO #	Cultural/Temporal Affiliation	Description	Location (UTM)
1	Hohokam (ca. A.D. 600–1450)	plain ware sherd	499281 E 3583381 N
2	prehistoric (ca. 12,000 B.C.–A.D. 1450)	quartzite core reduction flake	499369 E 3583699 N

IO 2 consists of a single quartzite core reduction flake with a cortical platform. The flake is located in the bottom of a wide, sandy ephemeral wash. No additional flakes were observed.

SUMMARY AND RECOMMENDATIONS

The project area was surveyed on March 6, 2015, by Tierra archaeologists. The primary purpose of this archeological survey was to discover and document prehistoric and/or historic properties that might be affected by the proposed development. Only two isolated occurrences were recorded. None of the isolated occurrences meet the criteria of significance for inclusion on the NRHP. Therefore, Tierra recommends that the proposed undertaking will have no impact and that the project be allowed to proceed without further archaeological work required.

The client and all subcontractors are also reminded that, in accordance with Section 41-865 of the Arizona Revised Statutes, if human remains are encountered anywhere in the survey area during any subsequent ground-disturbing activities, these activities shall cease in the area of the discovery and the Director of the ASM shall be immediately notified. All ground-disturbing activities in the immediate vicinity of the discovery shall cease until a qualified archaeologist assesses the remains. Work in and around the area shall not resume until so directed by ASM personnel.

REFERENCES

- Albush, Cassandra
2009 *Cultural Resource Survey for the Proposed Repair and Stabilization of the Lomas de Oro Wash, Pima County, Arizona: Town of Oro Valley*. Project Worksheet 156, FEMA-1660-DR-AZ. Federal Emergency Management Agency, Oakland, California.
- Bernard-Shaw, Mary
1990 *Archaeological Investigations at the Lonetree Site, AA:12:120(ASM), in the Northern Tucson Basin*. Technical Report No. 90-1. Center for Desert Archaeology, Tucson.
- Brew, Susan A., and Gene Rogge
1976 *Cañada del Oro Sewer—Brown and Caldwell*. Letter report. On file, Arizona State Museum, Tucson.
- Brown, Gary, and Marian Rohman
1994 *Cultural Resource Inventory for Western Area Power Administration on the Oracle-Tucson 115-kV Transmission Line, Pinal and Pima Counties, Arizona*. Report No. 94AZ003. Western Cultural Resource Management, Inc., Farmington, New Mexico.
- Carpenter, John C.
1996 *An Archaeological Assessment for a US West Communications Fiber Optics Alignment along Overton Road and La Cholla Boulevard in Tucson, Pima County, Arizona*. Technical Report 96-5. Tierra Right of Way Services, Ltd., Tucson.
- Ciolek-Torrello, Richard S.
1995 The Houghton Road Site, the Agua Caliente Phase, and the Early Formative Period in the Tucson Basin. *Kiva* 60(4):531–574.
1998 *Early Farmers of the Sonoran Desert, Archaeological Investigations at the Houghton Road Site, Tucson, Arizona*. Technical Series 72. Statistical Research, Inc., Tucson.
- Collins, William S., Melanie Sturgeon, and Robert Carriker
1993 *The United States Military in Arizona, 1846–1945*. Arizona State Historic Preservation Office, Phoenix.
- Cook, Michael D.
2004 *A Class III Cultural Resource Survey for the Shangri La development, Pima County, Arizona*. Cultural Resources Report No. 2004-3. WestLand Resources, Inc., Tucson.
- Cox, Pamela J., Cassandra J. Albush, and A.E. (Gene) Rogge
2010 *Roadway Planning & Design Engineering Services for La Cholla Boulevard : Magee Road to Tangerine Road (4RTLTM), Supplemental Cultural Resource Survey Report*. Cultural Resource Report No. 2010-1. URS Corporation, Phoenix.

-
- Crown, Patricia L.
1991 The Hohokam: Current Views of Prehistory and the Regional System. In *Chaco and Hohokam: Prehistoric Regional Systems in the Southwest*, edited by Patricia L. Crown and W. James Judge, pp. 135–157. School of American Research Press, Santa Fe.
- Crown, Patricia L., and W. James Judge
1991 Synthesis and Conclusions. In *Chaco and Hohokam: Prehistoric Regional Systems in the Southwest*, edited by Patricia L. Crown and W. James Judge, pp. 293–308. School of American Research Press, Santa Fe.
- Davis, Erin
2002 *A Cultural Resource Survey of a 40 acre Parcel of Land Owned by the Town of Oro Valley for the Proposed West Lambert Lane Park, Oro Valley, Pima County, Arizona*. Project Report 2002-008. Entranco, Inc., Phoenix.
- Doak, David P.
2011 *A Class III Archaeological Survey of the Alignment for a Proposed Gas Line Replacement along Rancho Felix Drive in Oro Valley, Pima County, Arizona, HDRP (2011) Atlas 0375 (SWG WR#1296092)*. Tierra Archaeological Report No. 2011-189. Tierra Right of Way Services, Ltd., Tucson.
- Doelle, William Harper
1985 *Excavations at the Valencia Site, a Preclassic Hohokam Village in the Southern Tucson Basin*. Anthropological Papers 3. Institute for American Research, Tucson.
- Doelle, William H., and Henry D. Wallace
1990 The Transition to History in Pimería Alta. In *Perspectives on Southwestern Prehistory*, edited by P. E. Minnis and C. L. Redman, pp. 239–257. Westview Press, Boulder, Colorado.
- 1991 The Changing Role of the Tucson Basin in the Hohokam Regional System. In *Exploring the Hohokam: Prehistoric Desert Peoples of the American Southwest*, edited by George J. Gumerman, pp. 279–345. New World Studies Series No. 1. The Amerind Foundation, Dragoon, Arizona.
- Doyel, David E.
1991a Hohokam Cultural Evolution in the Phoenix Basin. In *Exploring the Hohokam: Prehistoric Desert Peoples of the American Southwest*, edited by George J. Gumerman, pp. 231–278. New World Studies Series No. 1. The Amerind Foundation, Dragoon, Arizona.
- 1991b Hohokam Exchange and Interaction. In *Chaco and Hohokam: Prehistoric Regional Systems in the Southwest*, edited by Patricia L. Crown and W. James Judge, pp. 225–252. School of American Research Press, Santa Fe.

-
- 2000 In Pursuit of the Salado in the Sonoran Desert. In *Salado*, edited by Jeffrey S. Dean, pp. 295–314. New World Studies Series No. 4. The Amerind Foundation, Dragoon, Arizona.
- Elson, Mark D., Miriam T. Stark, and David A. Gregory
2000 Tonto Basin Local Systems: Implications for Cultural Affiliation and Migration. In *Salado*, edited by Jeffrey S. Dean. University of New Mexico Press, Albuquerque.
- Fahrni, Grant
2007 *An Archaeological Survey Along La Canada Drive in Oro Valley, Pima County, Arizona*. Cultural Resources Report No. 07-24. SWCA Environmental Consultants, Tucson.
- Faught, Michael K., and Andrea K. L. Freeman
1998 Paleoindian Complexes of the Terminal Wisconsin and Early Holocene. In *Paleoindian and Archaic Sites in Arizona*. Technical Report No. 97-7. Center for Desert Archaeology, Tucson.
- Fish, Paul R.
1994 *Revised Site Definition Policy*. Letter dated October 1, 1994. Archaeology Division, Arizona State Museum, University of Arizona, Tucson.
- Fish, Suzanne K., Paul R. Fish, and John Madsen (editors)
1992 *The Marana Community in the Hohokam World*. Anthropological Papers No. 56. University of Arizona Press, Tucson.
- Fuller, Megan S.
2001 *A Cultural Resource Assessment of a Proposed Quest Trenching Location on Shannon Drive in Oro Valley, Pima County, Arizona*. Engineering and Environmental Consultants, Inc., Tucson.
- Gregory, David A. (editor)
1999 *Excavations in the Santa Cruz River Floodplain: The Middle Archaic Component at Los Pozos*. Anthropological Papers No. 20. Center for Desert Archaeology, Tucson.
- Hamlin, Jenna M.
2014 *A Class III Cultural Resource Survey of Proposed Natural Gas Line Rights-of-Way near Overton Road between North La Cholla Boulevard and North La Canada Drive, for Southwest Gas in Pima County, Arizona (AAREPL [2015]-ATLAS 0375)*. Tierra Archaeological Report No. 2014-71. Tierra Right of Way Services, Ltd., Tucson, Arizona.
- Harris Environmental Group, Inc.
2008 *A Class III Cultural Resources Survey of 1.4 Miles Along Lambert Lane in Oro Valley, Arizona*. HEG 08-03. Harris Environmental Group, Inc., Tucson.

-
- Haury, Emil W.
1950 *The Stratigraphy and Archaeology of Ventana Cave*. The University of Arizona Press, Tucson.
- 1976 *The Hohokam: Desert Farmers and Craftsmen*. The University of Arizona Press, Tucson.
- Hayes, John
2000 *An Archaeological Assessment Survey of a 2.250 Ft. Right-of-Way South of Naranja Road in Oro Valley, Pima County, Arizona*. Tierra Right of Way Services, Ltd., Tucson.
- Heidke, James M.
2003 Tortolita Phase Ceramics. In *Roots of Sedentism: Archaeological Excavations at Valencia Vieja, a Founding Village in the Tucson Basin of Southern Arizona*, edited by Henry D. Wallace, pp. 145–191. Anthropological Papers No. 29. Center for Desert Archaeology, Tucson.
- Hesse, India S.
2003 *An Archaeological Survey within Canada del Oro Wash at La Canada Drive in the Town of Oro Valley, Pima County, Arizona*. Cultural Resource Report No. 03-01. SWCA Environmental Consultants, Inc., Tucson.
- Hesse, Jerome S.
2003 *The Linda Vista Transmission Main Cultural Resource Survey, Pima County, Arizona*. Cultural Resource Report No. 03-32. SWCA Environmental Consultants, Inc., Tucson.
- Huckell, Bruce B.
1995 *Of Marshes and Maize: Preceramic Agricultural Settlements in the Cienega Valley, Southeastern Arizona*. Anthropological Papers No. 59. University of Arizona Press, Tucson.
- 1996 The Archaic Prehistory of the North American Southwest. *Journal of World Prehistory* (10):305–373.
- Jerla, Christine A.
2003 *Cultural Resources Survey of a 2.81-acre Parcel at the Northwest Corner of W. Naranja and La Cañada Drives and a 4.24-acre Parcel along the North Side of W. Lambert Lane West of La Cañada Drive in Oro Valley, Arizona*. Letter Report No. 20032004.001. Old Pueblo Archaeology Center, Tucson.
- Jones, Jeffrey T.
2009 *Class III Cultural Resource Survey of a 805-M-Long (2,640-Foot-Long) Water Line Easement within the West Freer Drive and West Camino del Sur Right-of-Way in Pima County, Arizona*. Tierra Archaeological Report No. 2008-123. Tierra Right of Way Services, Ltd., Tucson.

-
- Justice, Noel D.
2002 *Stone Age Spear and Arrow Points of the Southwestern United States*. Indiana University Press, Bloomington.
- Kelley, J. Charles
1991 The Known Archaeological Ballcourts of Durango and Zacatecas, Mexico. In *The Mesoamerican Ballgame*, edited by Vernon L. Scarborough and David R. Wilcox. University of Arizona Press, Tucson.
- Klimas, Thomas M.
2005 *A Class III Cultural Resources Survey of 4.7 Acres for the Alive Church at the Intersection of La Cholla Boulevard and Lucero Road in Pima County, Arizona*. Archaeological Report No. 2005-143. Tierra Right of Way Services, Ltd., Tucson.
- Lorentzen, Leon H.
1998 Common Paleoindian and Archaic Projectile Points of Arizona. In *Paleoindian and Archaic Sites in Arizona*, by Jonathan B. Mabry, pp. 137–143. Technical Report No. 97-7. Center for Desert Archaeology, Tucson.
- Mabry, Jonathan B.
1998 *Paleoindian and Archaic Sites in Arizona*. Technical Report No. 97-7. Center for Desert Archaeology, Tucson.
- Mabry, Jonathan B. (editor)
2007 *Las Capas: Early Irrigation and Sedentism in a Southwestern Floodplain*. Draft. Anthropological Papers No. 28. Center for Desert Archaeology, Tucson.
- Madsen, John H., Paul R. Fish, and Suzanne K. Fish
1993 *The Northern Tucson Basin Survey: Research Directions and Background Studies*. Archaeological Series 182, Arizona State Museum, University of Arizona, Tucson.
- Masse, W. Bruce
1991 The Quest for Subsistence: Sufficiency and Civilization in the Sonoran Desert. In *Chaco and Hohokam: Prehistoric Regional Systems in the American Southwest*, edited by Patricia L. Crown and W. James Judge, pp. 195–223. School of American Research Press, Santa Fe.
- McKittrick, Mary Anne
1988 *Surficial Geologic Map of the Tucson Metropolitan Area*. Open-File Report No. 88-18. Arizona Geological Survey, Tucson.
- Morrissey, Richard J.
1950 The Early Range Cattle Industry in Arizona. *Agricultural History* 24(2):143–156.

-
- Moses, James
2004 *A Cultural Resources Assessment Survey of Approximately 2600 Feet of Right of Way along Both Sides of Overton Road and La Cholla Boulevard Northwest of Tucson, Pima County, Arizona.* Tierra Archaeological Report No. 2004-1. Tierra Right of Way Services, Ltd., Tucson.
- National Park Service
2004 National Register Federal Program Regulations. Available at <http://www.nps.gov/nr/regulations.htm>. Accessed on April 20, 2012.
- Neily, Robert B.
1985 *The Snowflake-Redonda Project: An Intensive Archaeological Survey in the Upper Little Colorado River Area of East-Central Arizona.* Cultural Resource Management Division, Arizona State Museum, University of Arizona, Tucson.
- Olsson, Karin, and Ingrid Klune
2001 *A Cultural Resources Assessment Survey of Approximately 0.64 Miles Along La Cholla Boulevard Near Oro Valley, Pima County, Arizona.* Tierra Right of Way Services, Ltd., Tucson.
- Phillips, David A., Jr., Mark C. Slaughter, and Susan B. Bierer
1993 *Archaeological Studies at Kartchner Caverns State Park, Cochise County, Arizona.* Archaeological Report No. 93-26. SWCA Environmental Consultants, Inc., Tucson.
- Reid, Jefferson, and Stephanie Whittlesey
1997 *The Archaeology of Ancient Arizona.* The University of Arizona Press, Tucson.
1999 *Grasshopper Pueblo, a Story of Archaeology and Ancient Life.* The University of Arizona Press, Tucson.
- Rice, Glen E.
2003 *A Research Design for the Study of Hohokam Houses and Households.* P-MIP Technical Report No. 2003-05. Gila River Indian Community, Sacaton, Arizona.
- Rozen, Kenneth
1979 *The Archaeological Survey of the Northern Tucson 138 kV Transmission Line System: The Northern Tucson Basin and Lower Santa Cruz Valley, Arizona.* Arizona State Museum, University of Arizona, Tucson.
- Saxton, Dean, and Lucille Saxton
1973 *O'othham Hoho'ok A'agitba: Legends and Lore of the Papago and Pima Indians.* University of Arizona Press, Tucson.
- Sayles, Edwin B.
1945 *The San Simon Branch: Excavations at Cave Creek and in the San Simon Valley.* Medallion Papers No. 34. Gila Pueblo, Globe, Arizona.

-
- Sayles, Edwin B., and Ernst Antevs
1941 *The Cochise Culture*. Medallion Papers No. 29. Gila Pueblo, Globe, Arizona.
- Sheridan, Thomas E.
1995 *Arizona: A History*. The University of Arizona Press, Tucson.
- Slaughter, Mark C.
1992 *Making and Using Stone Artifacts: Lithic Sites in Arizona*. Archaeological Report No. 92-5. SWCA Environmental Consultants, Inc., Tucson.
- Slaughter, Mark C., and Heidi Roberts (editors)
1996 *Excavation of the Gibbon Springs Site: A Classic Period Village in the Northeastern Tucson Basin*. Archaeological Report No. 94-87. SWCA Environmental Consultants, Inc., Tucson.
- Slawson, Laurie
2010 *A Cultural Resources Inventory of 2.6 Acres for Southwest Gas Corporation Pipeline Improvements Southwest of Lambert Lane and La Canada Drive in Pima County, Arizona*. Technical Report No. 2010-45. Aztlan Archaeology, Tucson.
2012 *A Cultural Resources Inventory of 1.4 Acres for Southwest Gas Corporation Pipeline Improvements Between Shannon Road and La Cholla Boulevard in Pima County, Arizona*. Technical Report No. 2012-16. Aztlan Archaeology, Tucson.
- Spicer, Edward H.
1962 *Cycles of Conquest: The Impact of Spain, Mexico, and the United States on the Indians of the Southwest, 1533–1960*. University of Arizona Press, Tucson.
- Stephen, David V.M.
1984 Letter Report to Robert Barger of Atlas-Glenex Development Company, dated March 13. Center for Archaeological Field Training, Tucson.
1997 Letter Report for La Cholla/Lambert Project. Report No. 97776. Professional Archaeological Services and Technologies, Tucson.
2001 *Report for Well Sites Archaeological Survey*. Report No. 011334. Professional Archaeological Services and Technologies, Tucson.
2002 *Cultural Resources Survey of the La Canada-Lambert SEC Project near Oro Valley, Pima County, Arizona*. Cultural Resources Report No. 021451. Professional Archaeological Services and Technologies, Tucson.
- Teague, Lynn S.
1993 Prehistory and the Traditions of the O'Odham and Hopi. *Kiva* 58(4):435–454.

-
- Tompkins, Charles
1996 *An Archaeological Survey of a 27 Acre Parcel on La Cholla Boulevard Atop the High Ground North of the Canada Del Oro*. Tierra Archaeological and Environmental Consultants Technical Report No. 96-47. Tierra Right of Way Services, Ltd., Tucson.
- Tucker, David B.
2004 *The Canada del Oro Shared Use Path: A Class III Cultural Resource Survey of 2.68 Linear Miles along the South Bank of the Canada del Oro, Town of Oro Valley, Pima County, Arizona*. Cultural Resource Report No. 04-237. SWCA Environmental Consultants, Inc., Tucson.
- Turner, Raymond M., and David E. Brown
1994 Sonoran Desertscrub. In *Biotic Communities: Southwestern United States and Northwestern Mexico*, edited by David E. Brown, pp. 181–221. University of Utah Press, Salt Lake City.
- Urban, Sharon
1981a Rancho Feliz. Clearinghouse Project No. 79-85-0248. Arizona State Museum, University of Arizona, Tucson.
1981b Saddle Valley. Clearinghouse Project No. 81-85-0087. Arizona State Museum, University of Arizona, Tucson.
- Wallace, Henry D., James M. Heidke, and William H. Doelle
1995 Hohokam Origins. *Kiva* 60(4):575–618.
- Walker, Henry P., and Don Bufkin
1979 *Historical Atlas of Arizona*. University of Oklahoma Press, Norman.
- Waters, Michael R.
1992 *Principles of Geoarchaeology: A North American Perspective*. University of Arizona Press, Tucson.
- Wellman, Kevin D., and Annick Lascaux
1999 *A Class III Archaeological Survey of the Proposed Rocking K Ranch Development, Eastern Pima County, Arizona: A Synthesis Report*. Archaeological Report No. 96-180. SWCA Environmental Consultants, Inc., Tucson.
- Whittlesey, Stephanie M. (editor)
2004 *Pots, Potters, and Models: Archaeological Investigations at the SRI Locus of the West Branch Site, Tucson, Arizona*. Technical Series No. 80. Statistical Research, Inc., Tucson.
- Whittlesey, Stephanie M., and Robert A. Heckman
2000a Culture History and Research Background. Chapter 1 in *Prehistoric Painted Pottery of Southeastern Arizona*, edited by R. A. Heckman, B. K. Montgomery, and S. M. Whittlesey, pp. 1–22. Technical Series 77. Statistical Research, Inc., Tucson.

-
- 2000b Other Painted Ceramics of Southeastern Arizona. Chapter 7 in *Prehistoric Painted Pottery of Southeastern Arizona*, edited by R. A. Heckman, B. K. Montgomery, and S. M. Whittlesey, pp. 95–115. Technical Series 77. Statistical Research, Inc., Tucson.
- Wilcox, David R.
1991 Hohokam Social Complexity. In *Chaco and Hohokam: Prehistoric Regional Systems in the Southwest*, edited by Patricia L. Crown and W. James Judge, pp. 253–275. School of American Research Press, Santa Fe.
- Wilcox, David R., and Charles Sternberg
1983 *Hohokam Ballcourts and Their Interpretation*. Archaeological Series No. 160. Arizona State Museum, University of Arizona, Tucson.
- Wilson, John P.
1999 *Peoples of the Middle Gila: A Documentary History of the Pimas and Maricopas, 1500s–1945*. Report No. 77. Gila River Indian Community, Sacaton, Arizona.

APPENDIX A

Class I Research

CONFIDENTIAL

This appendix contains information on the locations of cultural properties discussed in the report:

A Class III Cultural Resources Survey of 61 ha (143 Acres) near the Southeast Corner of La Cholla Boulevard and Lambert Lane, in the Town of Oro Valley, Pima County, Arizona

Public disclosure is prohibited by ARS §39-125.

APPENDIX B

Survey Results

CONFIDENTIAL

This appendix contains information on the locations of cultural properties discussed in the report:

A Class III Cultural Resources Survey of 61 ha (143 Acres) near the Southeast Corner of La Cholla Boulevard and Lambert Lane, in the Town of Oro Valley, Pima County, Arizona

Public disclosure is prohibited by ARS §39-125.

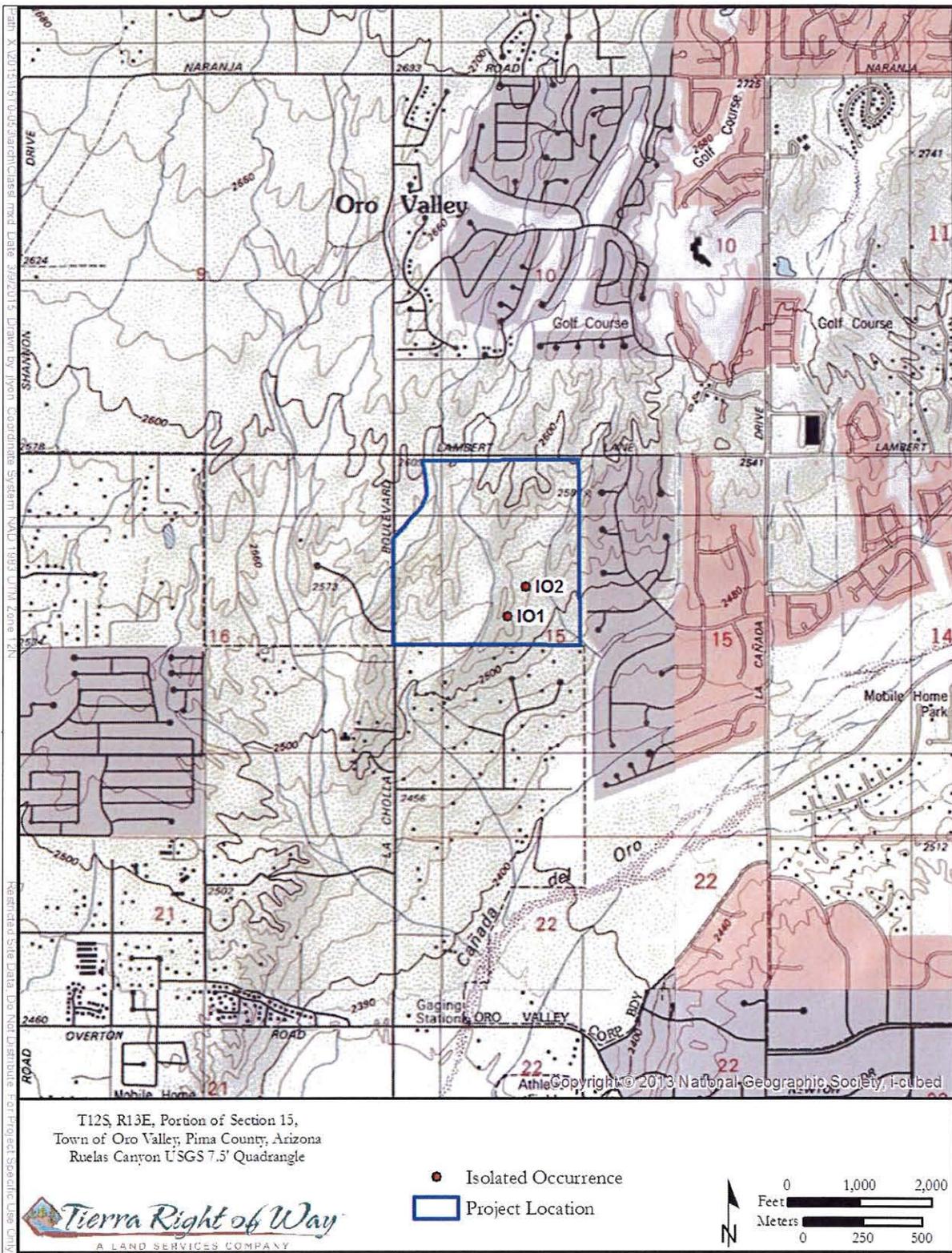


Figure B.1. Project area with locations of isolated occurrences.

APPENDIX C. SURVEY REPORT SUMMARY FORM

**STATE HISTORIC PRESERVATION OFFICE
SURVEY REPORT SUMMARY FORM
(SURVEY REPORT ABSTRACT)**

For detailed instructions on using this form see *SHPO Guidance for Use and Submittal of the Survey Report Summary Form (SHPO Guidance Point No. 10)*.

I. REPORT TITLE (whether technical report or SRSF only submitted)

Report Title: A Class III Cultural Resources Survey of 61 ha (143 Acres) near the Southeast Corner of La Cholla Boulevard and Lambert Lane, in the Town of Oro Valley, Pima County, Arizona

Report Author(s): Joseph Howell

Date: March 13, 2015

Report No.: 2015-012

Check if this submittal is SRSF

for Negative Survey

II. AZSITE & SHPO INFORMATION

ASM Accession Number: none **AAA Permit No.:** 2015-25bl **SHPO-20__-____** (if known)

Project Locator UTM: 499201 mE 3583843 mN **Zone:** 12 NAD 83

USGS 7.5' Quadrangle Name: Ruelas Canyon, Arizona (1992)

III. CONSULTING FIRM INFORMATION

Organization/Consulting Firm: Tierra Right of Way Services, Ltd.

Internal Project Number: 15T0-023

Contact Name (Responsible Person*): Tom Euler/Barbara Montgomery

Address: 1575 East River Road, Suite 201, Tucson, AZ 85718

Phone: (520) 319-2106 **Email:** teuler@tierra-row.com/bmontgomery@tierra-row.com

*Responsible person – Preferably cultural resources manager/project director or principal investigator.

IV. AGENCY/PROJECT INFORMATION

Lead Agency/Project Number: Town of Oro Valley

Agency Project Name/Number: /

Route, Mileposts Limits (ADOT projects): /

Nearest City/Town & County: Oro Valley

Address (if appropriate, e.g., cell tower projects):

Project Sponsor: Future Arizona, Inc.

Funding Source(s): Private (**Federal, State, and/or Private**)

**STATE HISTORIC PRESERVATION OFFICE
SURVEY REPORT SUMMARY FORM
(SURVEY REPORT ABSTRACT)**

Other Permitting/Land Agencies & Permit Numbers: Pima County

ASLD Lease Application No.:

V. PROJECT DESCRIPTION (What does the project entail? If known, describe the proposed ground-disturbing activities (both surface and subsurface), as well as the purpose of the survey): Housing development. The parcel was surveyed in anticipation of the development to determine if any cultural resources were present that may be adversely affected by the project.

VI. AREA OF POTENTIAL EFFECTS (APE)/PROJECT AREA DESCRIPTION (provide dimensions, right-of-way or easement, etc. For FCC projects, describe both the physical footprint and the visual APE): The project area consists of 61 ha (143 acres) at the southeast corner of La Cholla Boulevard and Lambert Lane.

VII. PROJECT AREA INFORMATION

Total Acres: 143 **NAD 83; Zone:** 12; **Meridian:** Gila and Salt River Baseline and Meridian

Justification for areas not surveyed (identify land jurisdiction):

Project Location (expand as necessary).

Land Jurisdiction	Legal Description (T, R, Q, S)	Acres Surveyed	Acres Not Surveyed
Private	T12S, R13E, NW ¼ Sec. 15	143	0

VIII. INVENTORY CLASS COMPLETED

Note: Previous survey within APE must meet current standards or new survey is required; see SHPO Guidance Point No. 5 for assistance in evaluating whether a survey older than 10 years needs is still adequate.

- Class I Inventory only
 Class III Intensive Field Survey
 Other: Identify and provide justification:

IX. CLASS III SURVEY PERSONNEL AND METHODS

Field Personnel (Include Years of Archaeology Experience in Arizona; not necessary to repeat this in technical report)

**STATE HISTORIC PRESERVATION OFFICE
SURVEY REPORT SUMMARY FORM
(SURVEY REPORT ABSTRACT)**

Project Principal Investigator: Barbara Montgomery (30 years)

Project Director/Field Supervisor: Chance Copperstone (10 years)

Crew: Tom Robinson (8 years), Joseph Howell (24 years)

Date(s) of Fieldwork: March 6, 2015

Methods & Area Surveyed: Must meet minimal land management standards and adjust for field conditions.

Linear Miles; transect intervals m apart Coverage (%):

143 Acres Block Survey; transect intervals 20 m apart Coverage (%): 100

Site recording criteria used [e.g., ASM, other (identify)]: Arizona State Museum

Ground Surface Visibility: Adequate

Integrity of Survey Area Current condition; include disturbances, erosion, flooding, dense vegetation, etc.: Nearly pristine desert; only major erosion in deep-cut washes; vegetation healthy but not overly dense.

X. CULTURAL RESOURCES

No cultural resources identified

Isolated occurrences only Number of IOs recorded: 2

Archaeological sites present; site summary table attached

Number of Previously Recorded Sites:

Number of Newly Recorded Sites:

Number of Sites Not Re-located:

Historic period buildings/structures etc. documented/evaluated; historic property inventory forms attached

Note: Historic property (non-archaeological site) evaluations must be completed by qualified personnel (historian, architectural historian); please identify and include years of relevant experience:

RECOMMENDATIONS

Discuss impacts to historic properties and proposed recommendations for avoidance and/or treatment. For FCC projects, separately discuss impacts to historic properties within the visual APE: Only two isolated occurrences were recorded. None of the isolated occurrences meet the criteria of significance for inclusion on the NRHP. Therefore, Tierra recommends that the proposed undertaking will have no impact and the project be allowed to proceed without further archaeological work.

**STATE HISTORIC PRESERVATION OFFICE
SURVEY REPORT SUMMARY FORM
(SURVEY REPORT ABSTRACT)**

Recommended Finding of Project Effect

- No Historic Properties Affected**
- No Adverse Effect**
- Adverse Effect**

***Final Draft Report Reviewed By (Consultant):**

Reviewer's Name	Title	Years Experience
Barbara K. Montgomery	Senior Principal Investigator	30

***Not necessary to repeat this information in the technical report.**

CONSULTANT CERTIFICATION (Signature of Responsible Party, All Technical Report/SRSF submittals)

I certify the information provided herein has been reviewed for content and accuracy and all work meets applicable agency standards.

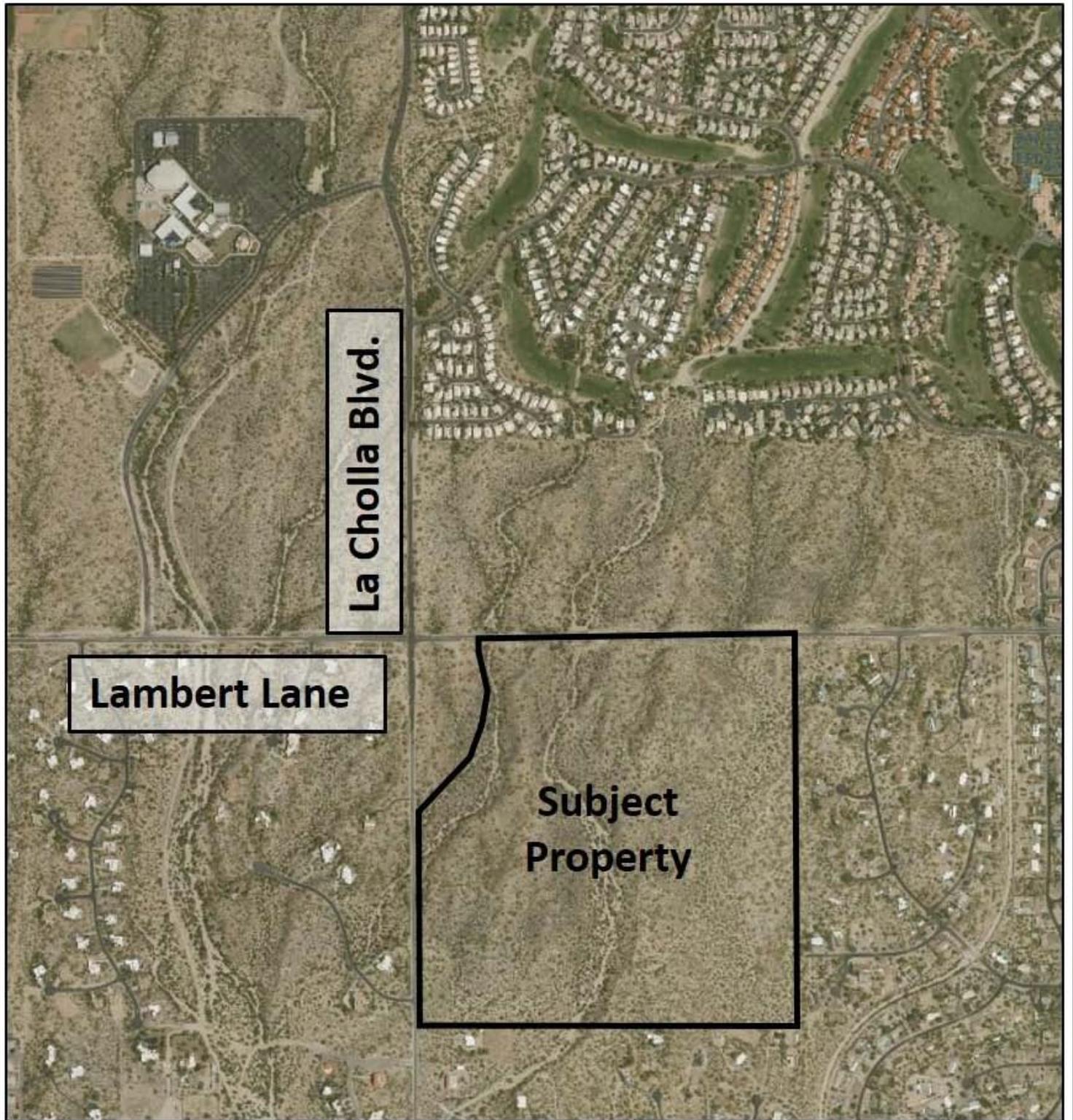
Barbara K. Montgomery

Date: March 12, 2015

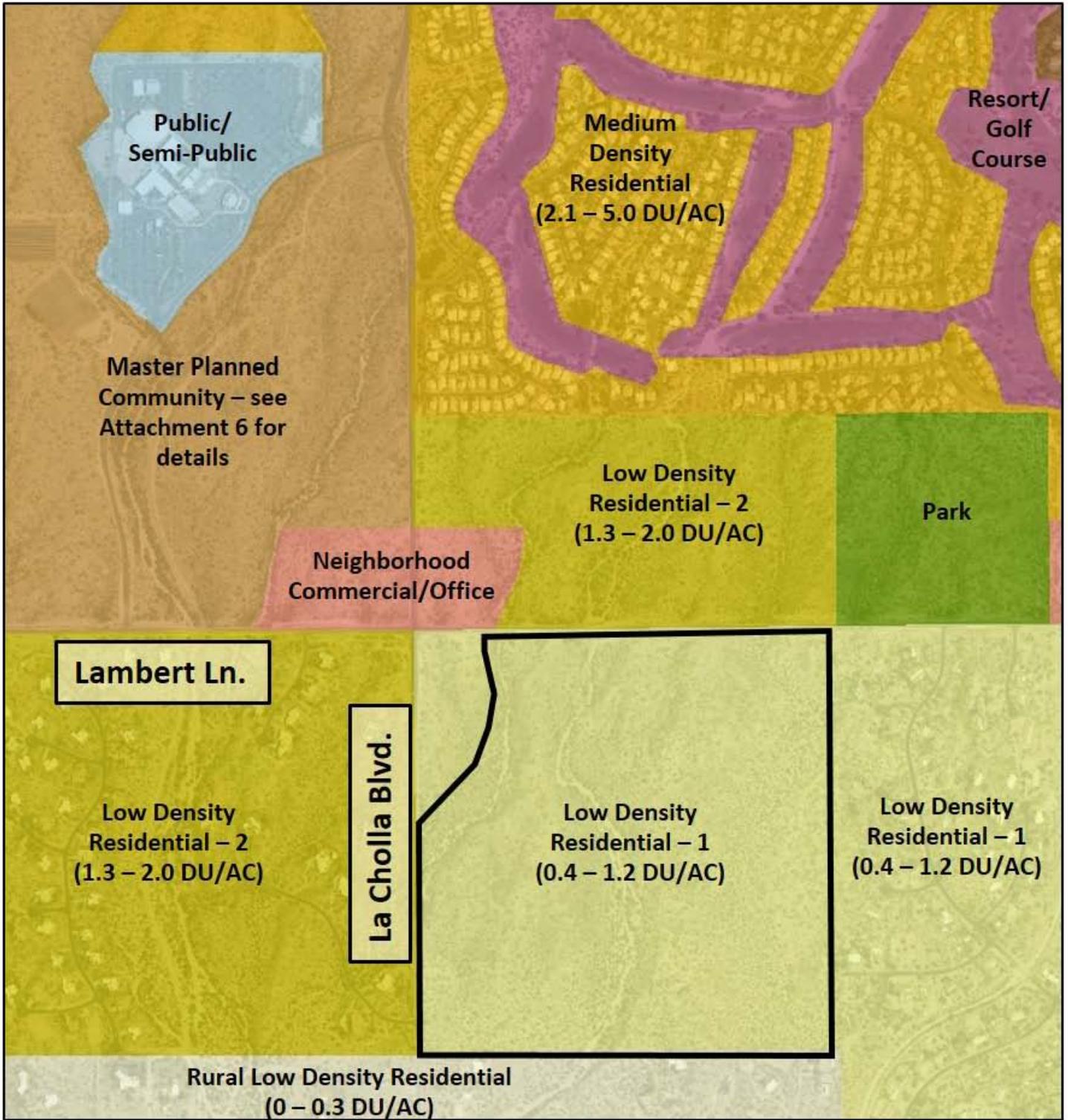
Signature

Senior Principal Investigator

Title



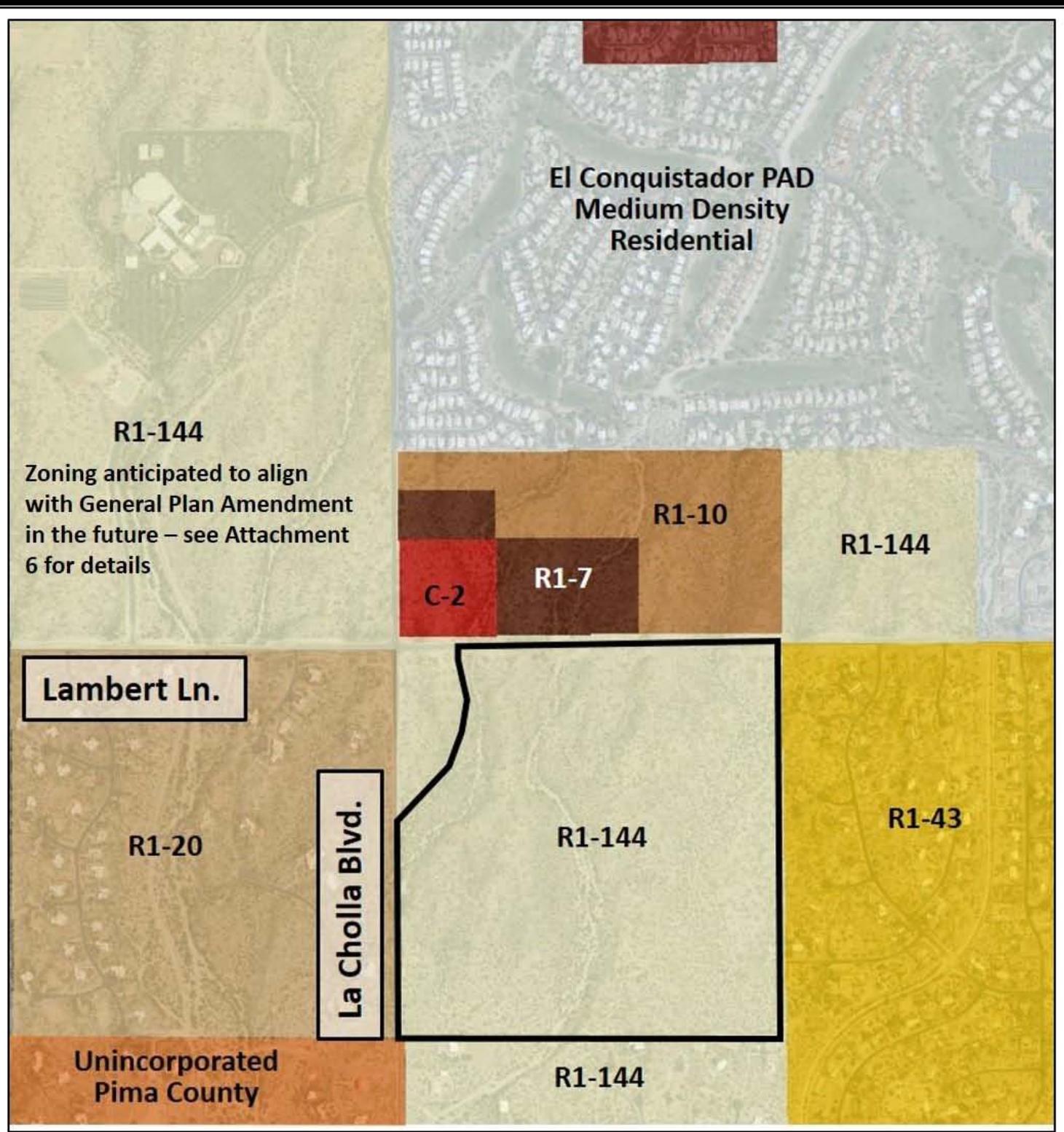
LOCATION MAP
SOUTHEAST CORNER LAMBERT AND LA CHOLLA
(OV914-009)



GENERAL PLAN MAP

SOUTHEAST CORNER LAMBERT AND LA CHOLLA

(OV914-009)



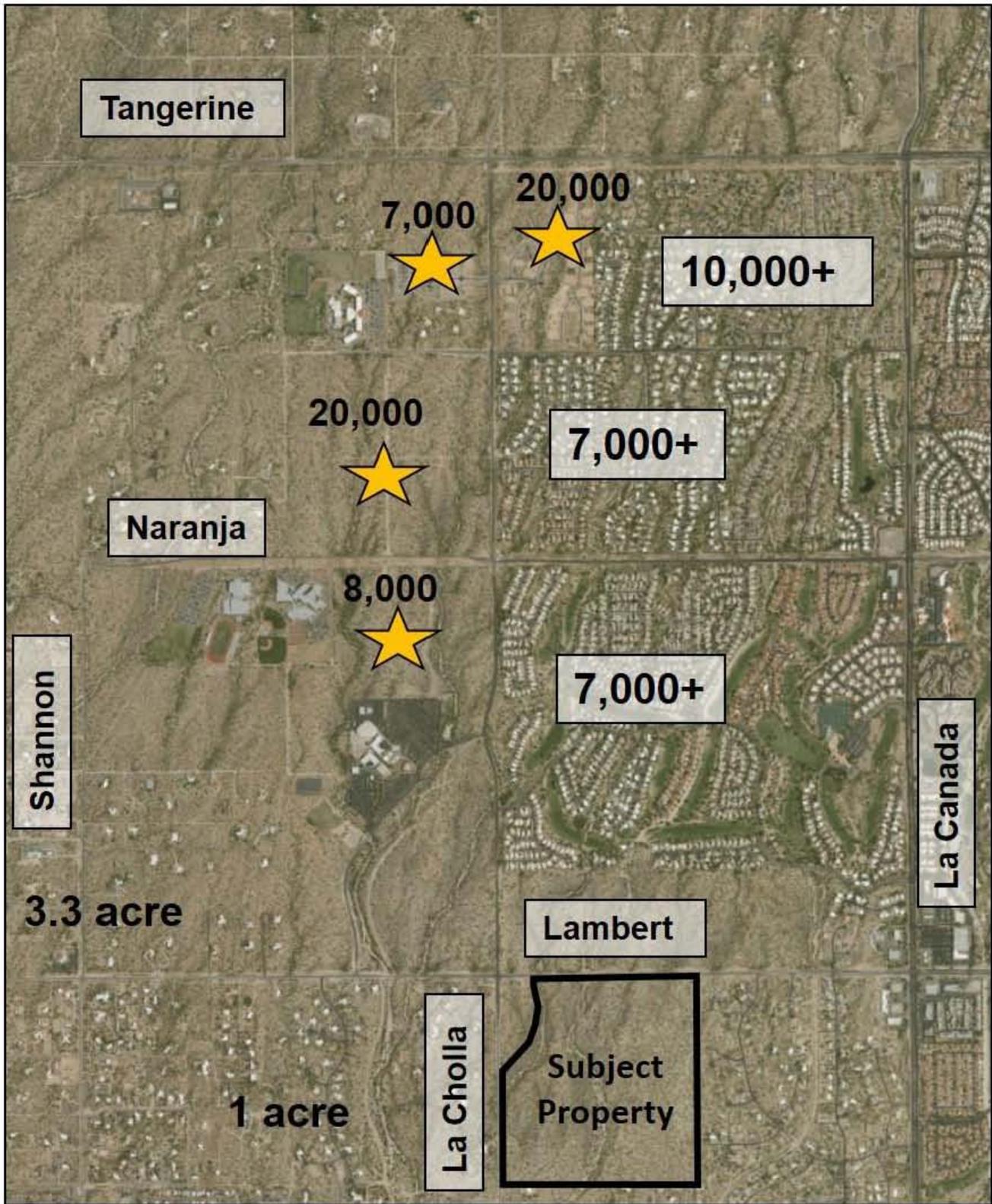
ZONING MAP
SOUTHEAST CORNER LAMBERT AND LA CHOLLA
(OV914-009)



LA CHOLLA COMMONS CONCEPT PLAN

SOUTHEAST CORNER LAMBERT AND LA CHOLLA
(OV914-009)

Attachment 6



LA CHOLLA AREA LOT SIZES
 SOUTHEAST CORNER LAMBERT AND LA CHOLLA
 (OV914-009)

**Attachment 8
General Plan Conformance Analysis
Southeast corner Lambert Lane and La Cholla Boulevard Rezoning
Town Council
April 6, 2016**

General Plan Conformance Analysis

The subject property is designated as Low Density Residential (0.4 – 1.2 homes per acre) on the General Plan Future Land Use Map.

The Low Density Residential (0.4 – 1.2 homes per acre) General Plan land use designation is defined as:

“Areas where single-family detached residential development is desirable, but only if it is at a density that will permit retention of a rural open character. (0.4 – 1.2 du/ac)”

The applicant proposes an overall density of approximately 0.64 du/ac with approximately 75% open space preservation. This amount of open space preservation provides substantial buffers for neighbors and will permit the retention of a rural open character for the site. The applicant’s proposal is consistent with the General Plan land use category.

General Plan Analysis

Rezoning applications are also evaluated for consistency with the Vision, Goals and Policies of the General Plan. The following section provides analysis relative to the consistency of the rezoning request with the General Plan Vision and key General Plan Goals and Policies. Excerpts from the General Plan are shown in italics, followed by staff comment.

General Plan Vision

To be a well planned community that uses its resources to balance the needs of today against the potential impacts to future generations. Oro Valley’s lifestyle is defined by the highest standard of environmental integrity, education, infrastructure, services, and public safety. It is a community of people working together to create the Town’s future with a government that is responsive to residents and ensures the long-term financial stability of the Town.

The applicant’s proposal is consistent with the environmental requirements of the Environmentally Sensitive Lands requirements of the Zoning Code. The Tentative Development Plan preserves approximately 75% of the site as open space protecting the environmental integrity of the natural area of the site.

Additionally, the applicant has held numerous meetings with neighborhood residents and instituted a number of revisions to respond to many of the concerns from the neighborhood. The proposed rezoning is consistent with the General Plan Vision.

General Plan Goals and Policies.

Policy 1.1.1 *The Town shall promote clustering of development to protect environmentally sensitive areas and to preserve significant, passive use, natural open space within residential neighborhoods.*

The applicant's Tentative Development Plan proposes preservation of 75% of the property's natural open space. The subdivision design serves as a true example of a cluster subdivision protecting the environmentally sensitive areas. The applicant's proposal meets this General Plan Policy.

Policy 1.1.3 *The Town shall continue to avoid development encroachment into washes, riparian areas, designated open space and environmentally sensitive lands.*

The applicant's Tentative Development Plan clusters development away from the environmentally sensitive areas of the site, including the washes and riparian areas. The applicant has worked with environmental groups to preserve the wildlife corridors as much as possible. A 300-foot corridor is maintained surrounding the main wash on the property, Lomas del Oro, including a bridge designed to span the wash to limit encroachment. A condition has been added to Attachment 1 requiring the design of the bridge to be wildlife permeable. The applicant's proposal is consistent with this policy.

Policy 1.1.4 *The Town shall commit to preserve, protect, and enhance the visual qualities of Oro Valley and surrounding visually significant areas, such as ridgelines.*

The natural topography of the site ensures the proposed Tentative Development Plan will have a reduced impact on offsite view sheds and view corridors throughout the area. The clustering of the homes respects the ridgelines and areas with significant slopes throughout the property. The applicant's proposal is consistent with this General Plan Policy.

Policy 1.2.1 *The Town shall maintain Oro Valley's predominately low-density character while considering the needs of financial stability and infrastructure efficiency.*

The planned expansion of La Cholla Boulevard to a four lane desert parkway represents a significant public investment in infrastructure to serve this area. The proposed increase in planned intensity will promote the efficient use of this expanded infrastructure.

Policy 2.1.4 *The Town shall require that all development proposals depict an arrangement of and massing of buildings and/or arrangement of lots to minimize impacts on views from adjacent properties...*

The proposed Tentative Development Plan utilizes a conservation subdivision design, or cluster design, that results in arrangement of lots and homes that will have a negligible impact on existing views and will not be visible to a majority of existing adjacent properties. The applicant's proposal is consistent with this policy.

Policy 5.4.1 *The Town shall maintain a harmonious relationship between urban development and development of the transportation network.*

The proposed Tentative Development Plan will be consistent with the future character of the La Cholla Boulevard corridor. Expansion of the roadway to a four lane parkway justifies a moderate increase in density along this corridor.

Policy 8.2.1 *The Town shall provide appropriate pedestrian, equestrian, and bicycle linkages between various elements of the open space system and between these elements and other community facilities.*

The applicant has worked with neighboring residents to provide pedestrian and equestrian opportunities throughout the site. The proposed Tentative Development Plan includes 5 trails and six trailheads serving those trails. The applicant's proposal is consistent with this Policy.

Policy 11.1.8 *The Town shall use natural open space preservation as one criterion in considering land use rezoning proposals. Developments shall utilize natural open space to comply with requirements for landscaped areas and buffer areas.*

The applicant's proposal meets this policy as follows:

- The applicant's proposal conserves approximately 75% of the site as Environmentally Sensitive Open Space.
- The Tentative Development Plan incorporates significant neighborhood buffers along the eastern (425 feet) and southern (150 feet) portions of the site.
- The level of open space preservation also ensures many of the existing wildlife corridors are maintained throughout the site.

**Attachment 9
Zoning Analysis
Southeast corner Lambert Lane and La Cholla Boulevard Rezoning
Town Council
April 6, 2016**

Zoning Analysis

Rezoning applications are also reviewed for conformance with the Town of Oro Valley Zoning Code and the development standards of the R1-43 zoning districts. A discussion of the applications conformance with the proposed zoning districts is provided below.

The Residential (R1-43) zoning district is intended to allow for low density detached single-family residential development.

The applicant is concurrently requesting several Flexible Design Options enabled by the Environmentally Sensitive Lands section of the Zoning Code that may affect several development standards, including building heights, internal building setbacks and minimum lot size. Please refer to Attachment 10 for a discussion and analysis of the applicant's requested Flexible Design Options.

Subsequent submittals, including all conceptual site plans and conceptual architecture, will be required to be consistent with the applicable requirements of the Zoning Code. The following development standards are notable for this proposal:

Neighborhood Compatibility: The applicant's proposal has addressed neighborhood compatibility as follows:

- The proposed R1-43 zoning district is in compliance with the Low Density Residential – 1 Land Use Designation on the General Plan Map.
- Though the Tentative Development Plan proposes smaller lot sizes than the adjacent residential subdivisions, substantial buffers have been incorporated into the design. The applicant's proposal includes a 425 foot buffer from existing residential to the east and a 150 foot buffer from existing residential to the south.
- The proposed residential utilizes a conservation subdivision design that results in an arrangement of lots within the rolling terrain of the site that will not be visible to many adjacent properties. Where the proposed homes will be visible, single-story restrictions have been proposed.

Access/Circulation: The Tentative Development Plan has two points of ingress/egress providing access to both La Cholla Boulevard and Lambert Lane. The proposed driveways meet driveway spacing requirements and have been approved by Engineering.

Furthermore, numerous (5) trails have been provided that traverse the site along with 6 trailheads to foster a more pedestrian and equestrian friendly environment.

Attachment 10
Environmentally Sensitive Lands Analysis
Southeast corner Lambert Lane and La Cholla Boulevard Rezoning
Town Council
April 6, 2016

Conservation Categories (Biologically Based)

The riparian areas traversing the site are designated as Critical Resource Area (CRA) and Resource Management Area Tier 1 on the Town's Environmentally Sensitive Lands Planning Map. The table below outlines the required preservation percentage for both Conservation Categories and the amount provided as part of the Tentative Development Plan:

Conservation Category	Required Preservation	Provided Preservation
Critical Resource Area	95%	95.7%
Resource Management Area	66%	66.9%

The applicant's proposal is consistent with the open space requirements for both conservation categories.

Conservation Categories (Non-biologically Based)

Cultural Resources

The applicant submitted a letter from the Arizona State Museum (ASM) indicating that the subject property has been surveyed for cultural resources and there are no historic sites recorded on the property. A field survey in March 2015, identified two archaeological sites on the subject property, neither of which met the criteria of inclusion on the National Register of Historic Places.

Scenic Resources

The site is characterized by moderate grade changes throughout the property with several significant ridgelines traversing the property. The applicant's proposed homes are arranged in the less visible portions of the property that will not impact view sheds or view corridors of the Catalina Mountains. The applicant has provided a viewshed analysis of the site for the primary view sheds from adjacent areas. For additional information see Section I-F and Exhibits J and K for viewshed analysis.

Hillside Areas

The subject property numerous topographical constraints, including several significant ridges. The Tentative Development Plan does not propose development on ridgelines or any slopes greater than 15%. For additional information see Section I-B and Exhibit E-1 and E-2 for slope area analysis.

Attachment 11
Flexible Design Options Analysis
Southeast corner Lambert Lane and La Cholla Boulevard Rezoning
Town Council
April 6, 2016

The applicant's requested flexible design options are included on pages 45 and 46 of Attachment 2. A discussion and analysis of each is provided below.

The following flexible design options are subject to Planning and Zoning Administrator approval. These options have been reviewed and approved administratively.

Building Setbacks (Internal)

The Tentative Development Plan depicts a Conservation Subdivision Design utilizing the lot reduction incentive. As a result of the reduced lot sizes, the applicant requested the following building setback reductions:

- Front: 10 feet for side entry garages (existing 30 feet)
- Side: 5 feet (existing 15 feet)
- Rear: 20 feet (existing 40 feet)

The reduced setbacks shall not result in on-lot driveway lengths that are less than twenty (20') feet, per Section 27.10.F.2.c.iii.a.2.

Recreation Area Credit

Environmentally Sensitive Lands Section 27.10.F.2.c.iii.j provides for passive and/or active recreational amenities located within environmentally sensitive open space to be credited toward the applicant's residential recreational area requirements as required by Section 26.5. However, open space connectivity must be maintained. The subject recreation areas do maintain connectivity with the site's ESOS and satisfy the location requirements of Section 26.5, Provision of Recreational Area.

Native Vegetation Preservation

Environmentally Sensitive Lands Section 27.10.F.2.c.iii.k provides for the Native Plant Salvage and Mitigation requirements (Section 27.6.B) to be waived within the development envelope when fifty (50%) percent or more of a site is preserved as environmentally sensitive open space. This modification does not apply to areas of distinct vegetation which are designated as Core Resource Area or native plants that are listed as threatened or endangered by the Endangered Species Act or highly safeguarded by the Arizona Department of Agriculture.

The applicant requested to waive the Native Plant Salvage and Mitigation requirements of Section 27.6B within development envelopes. The Tentative Development Plan provides approximately 75% ESOS, well in excess of the minimum required for this flexible design option.

The following flexible design options are subject to Town Council approval

Minimum Lot Size

The applicant has proposed a Conservation Subdivision Design utilizing the lot reduction incentive. The applicant's request is to reduce the minimum lot size to 10,000 sq. ft. in accordance with Section 27.10.F.2.d.iii.c. The applicant is concurrently proposing reduced lot widths below the minimum lot width of the R1-43 zoning district of 150 feet. A reduction in lot dimensions, including lot width, is necessary concurrent with the applicant's request to reduce the minimum lot size.

Building Height

The applicant is requesting a building height increase from 18 feet to 20 feet for single-story homes and 28 feet for two-story homes. To address neighbor concerns, the Tentative Development Plan restricts many of the most visible lots to one-story (see Attachment 2). The applicant's request does not interfere with view sheds of the Catalina Mountains and will not have a significant impact on view corridors. The proposed homes will also need to be in conformance with the two-story homes restrictions in Zoning Code.

Modified Review Process

Environmentally Sensitive Lands (ESL) Section 27.10.F.2.c.iii.i. provides for a modified review process at Town Council's discretion for rezoning applications. If enabled, it allows for administrative review and approval of a site plan, provided it conforms to the rezoning-related Tentative Development Plan.

The applicant has requested use of the modified review process and this request will be considered by Town Council in conjunction with this rezoning case. This modified process heightens the importance of the review and consideration of the Tentative Development Plan (TDP) during the Planning and Zoning Commission's public hearing. If approved, any significant change as defined in Section 22.3.D.2.b of the Zoning Code, will require reconsideration of the rezoning by Town Council.

The public participation process regarding the proposed rezoning has been extensive and productive. Numerous tangible results have been incorporated to the revised design. Additional neighborhood meetings or public hearings would not be expected to significantly impact the overall design of the subdivision. If the design is changed significantly, the rezoning would need to be reconsidered by Town Council.

Attachment 12
Neighborhood Meeting Summaries
Southeast corner Lambert Lane and La Cholla Boulevard Rezoning
Town Council
April 6, 2016

Lambert/La Cholla Rezoning
Neighborhood Meeting
August 6, 2014

Approximately fifty neighbors and interested parties were in attendance, including Councilmember Hornat, Councilmember Snider, Councilmember Waters and several members of the Planning and Zoning Commission.

Principal Planner Chad Daines facilitated the meeting that included a brief presentation by Town staff discussing the Rezoning process, followed by a presentation by the applicant. A question and answer session followed the applicant's presentation, which is outline below.

Issues discussed included

Traffic

Which direction will traffic primarily flow?

Will the development have sidewalks?

What type of temporary road improvements will be put in place while awaiting the Lambert Lane widening project?

Development

What is the proposed density?

Who is the anticipated homebuilder?

What is the maximum building height?

What will be the impact on existing viewsheds?

What are the proposed number of lots?

How many homes are allowed under the current zoning?

Why does the access to Lambert need to be so close to the existing neighborhood to the east?

Why are homes being proposed on the ridges?

Why is the northwest corner of the property not included? What are the plans for that area?

A comment was made indicating a preference for the zoning to remain R1-144 (1 home per 3.3 acres)

Who is going to pay for the infrastructure improvements? School impacts?

What is the economic rationale for developing 154 new homes? Please provide additional details at next meeting.

How are setbacks measured?

What will be the price of the homes?

Will the subdivision be walled?

What would the impacts be if the zoning wasn't changed, compared to what is being proposed?

Will utilities be required to be underground?

Why is the southeast corner of the property not considered Critical Resource Area?

Will the homeowners need to have flood insurance?

Will the developer have to preserve any of the site during development?

What is the proposed lot size?

How big will the homes be?

Why are we discussing the details of the site when the rezoning hasn't been approved?

What is the primary driving force behind the rezoning?

Why is the applicant allowed to reduce the lot size below what is required by the Zoning Code?

Where else can you buy homes on 3.3 acres in Oro Valley?

A comment was made concerning the excessive amount of impact required for infrastructure to reach the "isolated" homes proposed in the northeast corner of the property.

Environment

A comment was made concerning the scarcity of water resources in the region, which needs to be taken into account.

What resources does the Environmentally Sensitive Lands protect?

What can be done to preserve the integrity of the washes and keep people out of them?

Drainage

What will happen to the floodplain and existing drainage after development occurs?

Will you be adjusting the floodplain limits during the process?

What type of detention/retention measures are proposed?

Process

Will there be any future neighborhood meetings?

A comment was made requesting additional elevations and topography maps at future meetings.

Why are there no comprehensive meetings planned for neighbors that include this project along with those proposed up and down La Cholla.

When will the Planning and Zoning Commission hearing occur?

Can we hold a meeting directly with the applicant to discuss specifics?

Principal Planner Chad Daines closed the question and answer session and thanked everyone for their time and comments. This concluded the neighborhood meeting.

Neighborhood Meeting Summary
Southeast Corner Lambert Lane and La Cholla Blvd.
Proposed Rezoning
December 1, 2014
6:00 – 7:30 PM
Casas Adobes Baptist Church, 10801 N La Cholla Boulevard.

1. Introductions and Welcome

Meeting Facilitator Chad Daines, Principal Planner, introduced the Oro Valley staff Michael Spaeth, Senior Planner, as project manager. Approximately 50 residents and interested parties attended the meeting, include Vice Mayor Waters and Councilmember Hornat and Planning and Zoning Commissioner Leedy.

2. Staff Presentation

Michael Spaeth, Senior Planner, provided a presentation that included:

- Overview of the 1st neighborhood meeting
- Applicant's request
- Existing zoning of the property, including development standards
- Review tools
- Environmental Constraints
- Environmentally Sensitive Lands and Conservation Subdivision Design
- Traffic impacts and submittal requirements
- Drainage impacts and submittal requirements
- Water availability
- Cultural Resources preservation requirements
- Impacts on Schools
- Review process
- Public participation opportunities

3. Applicant Presentation

Paul Oland from the planning firm WLB Group Inc., provided a presentation detailing the applicant's proposal, which included:

- Overview of project
- Revisions from 1st neighborhood meeting
- Drainage impacts
- Traffic impacts

4. Public Participation Exercise and Questions & Comments

Meeting facilitator, Chad Daines, introduce the Public Participation Exercise and the goal of reaching resolution on the outstanding concerns from the 1st neighborhood meeting. Project Manager, Michael Spaeth, listed the topics still outstanding from the previous meeting, which included:

- Drainage
- Traffic
- Neighborhood Compatibility
- Building Height
- Lot configuration
- Density
- Viewsheds
- Economic Justification

Mr. Daines asked the audience if they felt any additional topics should be listed. One additional topic was included:

- Utilities

Mr. Daines asked the applicant to address each one of the topics listed. After each topic, Mr. Daines asked if there were additional questions from the audience. Following is a summary of additional questions and comments:

Drainage

- Has anyone on the applicant's team visited the site during a major rain event?
- Why isn't more engineering provided at this point in the process?
- Is the applicant permitted to add landscaping to the Critical Resource Area?
- How long would the water take to drain from the retention/detention basins?
- How will your proposal improve downstream drainage?
- Why is the easternmost wash not identified as a protected riparian area?
- Who is responsible if the retention/detention basins are insufficient?
- Why build in the easternmost wash?
- Where will the retention/detention basins go with such small lots?
- Washes are no longer horse accessible.
- Why can't the Town not allow development in the non-protected washes?
- Why protect the on-site slopes at the expense of the on-site washes?

Traffic

- How expansive will the Traffic Impact Analysis be?
- Did the applicant look into moving the access onto Lambert Lane?
- Access onto La Cholla will be problematic considering future road widening plans.
- How far will the proposed Lambert Lane access be from the existing park entrance on Lambert Lane?

Neighborhood Compatibility

- Has the applicant considered other vacant property within the Town?
- Has the applicant considered using a larger zoning district?
- How are the small lots compatible with the surrounding neighborhoods?
- Larger lot sizes should be required.
- Can the buffer yards just be natural open space? No roads/basins.

Building Height

- Can the applicant provide story poles on-site to represent proposed homes?
- Where will the 2-story homes be located? How many 2-story homes?

Utilities

- Will the utilities be underground?

Miscellaneous

- Why is the northeast component of the site not considered as part of this application?

Mr. Oland addressed some of the questions related to the proposed development and the associated impacts.

Mr. Laws, Town of Oro Valley Permitting Manager, addressed some of the questions related to drainage impacts of the proposed development and invited attendees to further discuss area drainage issues after the meeting.

Mr. Daines closed the meeting, thanked everyone for their attendance and encouraged everyone to contact Mr. Spaeth, the project manager, with any additional thoughts, comments or concerns.

**Neighborhood Meeting Summary
Southeast Corner Lambert Lane and La Cholla Blvd.
Proposed Rezoning
February 12, 2015
6:00 – 7:30 PM
Casas Adobes Baptist Church, 10801 N La Cholla Boulevard.**

5. Introductions and Welcome

Meeting Facilitator Chad Daines, Principal Planner, introduced the Oro Valley staff Michael Spaeth, Senior Planner, as project manager. Approximately 50 residents and interested parties attended the meeting.

6. Staff Presentation

Michael Spaeth, Senior Planner, provided a brief presentation that included:

- Overview of the 2nd neighborhood meeting
- Applicant's request
- Existing zoning of the property, including development standards
- Review tools
- Environmentally Sensitive Lands and Conservation Subdivision Design
- Review process
- Public participation opportunities

7. Applicant Presentation

Paul Oland from the planning firm WLB Group Inc., provided a brief presentation detailing the applicant's proposal, which included:

- Overview of project
- Revisions from 2nd neighborhood meeting
- Drainage impacts

8. Open House

Meeting facilitator, Chad Daines, introduced the Open House format and the goal of allowing residents to meet with Town Staff and the applicant one-on-one to ensure questions are fully answered. The open house consisted of four tables/stations including:

- Two engineering tables:
 - Regional Drainage
 - Drainage and Traffic related to the applicant's proposal
- Planning
- Applicant

The open house was well attended with each station fielding numerous questions. A number of regional drainage questions remained and staff committed to addressing those questions with the applicant and holding a fourth neighborhood meeting to provide updated information.

Mr. Daines closed the meeting, thanked everyone for their attendance and encouraged everyone to contact Mr. Spaeth, the project manager, with any additional thoughts, comments or concerns.

Neighborhood Meeting Summary
Southeast Corner Lambert Lane and La Cholla Blvd.
Proposed Rezoning
May 27, 2015
6:00 – 7:30 PM
Town of Oro Valley Council Chambers

1. Introductions and Welcome

Meeting Facilitator Chad Daines, Principal Planner, introduced the Oro Valley staff Michael Spaeth, Senior Planner, as project manager. Approximately 20 residents and interested parties attended the meeting, including Vice Mayor Water, Council Member Hornat and Council Member Zinkin, Planning and Zoning Commissioners Hurt and Barrett and Town Manager Greg Caton.

2. Staff Presentation

Michael Spaeth, Senior Planner, provided a brief presentation that included:

- Overview of the issues identified during the 3rd neighborhood meeting
- Purpose of the 4th neighborhood meeting
- Applicant's request
- Review process
- Public participation opportunities

3. Applicant Presentation

Paul Oland from the planning firm WLB Group Inc., provided a brief presentation detailing the applicant's proposal, which included:

- Overview of project
- Revisions from 3rd neighborhood meeting
- Drainage proposal

4. Question and Answer session

Meeting facilitator, Chad Daines, opened the floor to questions specific to the applicant's drainage concept and the anticipated impacts on regional drainage. The following questions or topics were discussed:

Drainage

- General suitability of the site for development
- Responsibility during flooding events
- How are upstream and downstream flows regulated
- Role of FEMA in approval process
- Timing of drainage infrastructure construction
- Culverts on Lambert Lane capacity
- Wash delineation. Different from FEMA.

Other topics

- Homes appear to be proposed in washes
- Compatibility with surrounding development
- Trail access

Mr. Daines closed the meeting, thanked everyone for their attendance and encouraged everyone to contact Mr. Spaeth, the project manager, with any additional thoughts, comments or concerns.

The Property Preservation Partnership™

Managing Growth Sustainably, in Oro Valley

January 22, 2016

Mr. Michael Spaeth
Senior Planner
TOWN OF ORO VALLEY
1100 N. La Canada Dr.
Oro Valley, AZ 85737

RE: Lambert/La Cholla Tentative Site Plan 1/12/2016 & Re-Zoning Proposal (R1-44 to R1-43)

ORO VALLEY ZONING CODE CHAPTER 23-2A: DIMENSIONAL REQUIREMENTS (RESIDENTIAL)

APPLICANTS PROPOSED REQUIREMENTS AND NEIGHBORHOOD CONDITIONAL REQUIREMENTS to re-zone to R1-43 of Oro Valley Zoning Code

(A) CURRENT OV ZONING REQUIREMENTS	(B) WLB PROPOSED RE-ZONING REQUEST	(C) RESIDENT CONDITIONS TO WLB PROPOSED RE-ZONING REQUEST	(D) WLB'S REQUEST FOR VARIANCE TO R1-43	(E) RESIDENT'S POSITION
R1-144	R1-43	R1-43 with conditions to Re-zoning	R1-43 with ESLO Incentives	
LOT SIZE: 144, 000 sq. ft.	43,560 sq. ft	<ul style="list-style-type: none"> 18 LOTS @ 10,000 SQ. FT 73 LOTS @ 21, 780 SQ. FT. 	10,000 – 21, 780 sq. ft. PER TENTATIVE DEVELOPMENT PLAN	IN AGREEMENT
LOT WIDTH: 150 feet	150 feet	<ul style="list-style-type: none"> 73 LOTS- 86FT x254FT(minimum) 18 LOTS-80FT X125 FT(minimum) 	80-86 feet	IN AGREEMENT
BUILDING HEIGHT: 18 feet	18 feet	20 feet = one story homes 28 feet= two story homes	20 feet = one story homes 28 feet = two story homes	IN AGREEMENT
SETBACK, SIDE YARD: 20 feet	20 feet	7.5 feet	7.5 feet	IN AGREEMENT
MINIMUM BETWEEN HOMES: 40 feet	40	15 feet	15 feet	IN AGREEMENT
Maximum Number of homes 43	141	91	91	IN AGREEMENT

The proposed changes to the current zoning of R1-144 to R1-43 with ESLO are acceptable to the surrounding neighborhoods with the above conditions for this rezoning. The number of lots, dimensions and limits on lot sizes and configurations are considered "SIGNIFICANT" to the neighbors who surround this property.

THE SURROUNDING PROPERTY OWNERS REQUEST THAT ANY CHANGE IN THE DRAINAGE DESIGN AS DEPICTED ON THE 1/12/2016 TENTATIVE DEVELOPMENT PLAN BE CONSIDERED SIGNIFICANT AND THUS WILL ELIMINATE THE PRIVILEGE OF THE "MODIFIED PROCESS" FOR THIS REZONING.

We request that this letter be included as part of the forthcoming P & Z meeting and be entered into any formal record and /or documents provided to Council as part of the review process.

Sincerely,



Sean Frisby
smfrisby@hotmail.com
520-288-6910



Karen Stratman
kstratorovalley@gmail.com
520-906-8872

Cc: Mike Zinkin Bayer Vela

Spaeth, Michael

From: Greg [REDACTED]
Sent: Sunday, November 30, 2014 5:39 PM
To: Spaeth, Michael
Subject: OV114-018 - La Cholla and Lambert

Michael:

My wife, Toni, and I own three and a half acres on La Cholla 241' south of the proposed zoning change. Loma del Oro wash transverses the rear portion of our property. While I am certainly not against progress, and I assume that at some point the 155 acres will be developed, I am concerned about the handling of the increase in runoff. And, we know there will be an increase in runoff simply because there will be an increase in hardscape.

We have lived in the area since 2011. I have seen the effects of the runoff we currently are dealing with, and the damage it can cause.

Being lower than La Cholla, we receive a goodly amount of runoff from La Cholla, the streets of the west of side of La Cholla, and also a significant amount from the north. We know at some point La Cholla will be widened (I have a copy of the proposal from the county) which will include an access road beneath the level of La Cholla simply because the significant change in elevation from the west side of the road to the east. I have concerns that the plans call for sufficient drainage from the west to the east, as that runoff too is slated to enter Lomas del Oro, but to the south of my property. However, that's an issue for the county.

On July 4, 2012, we had a significant amount of runoff to deal with. The neighbor immediately to the north has a culvert that runs under their driveway. I didn't know that until recently, but that is a rather significant wash that enters my parcel about 250' east of La Cholla. The 5th picture below reflects that runoff entering my property. The second and fourth pictures show a fence running parallel to the wash. That fence, and that large tree, disappeared that day. There is also a video attached which demonstrates the ferocity of the flow.

The issue with the work done on the wash is that the wash, when flowing, is far wider than the gabions that were put in to direct the water. There is a significant bank on the east side of the wash, but nothing on the west. As the video reflects, the water got behind the gabions and washed out a huge trough that had to be repaired. It has been repaired, but there has been nothing done to prevent a recurrence. Lomas del Oro was flowing probably slightly more than twice the space between the gabions. Any increase to the flow will only cause more damage. It should be noted that my neighbor to the south, ended up with 6" to 8" of silt in his driveway which had to be removed; by hand. I know, I helped. Silt is very heavy, by the way.

The next pictures reflect the rainfall total on August 12th. We have collection barrels. They

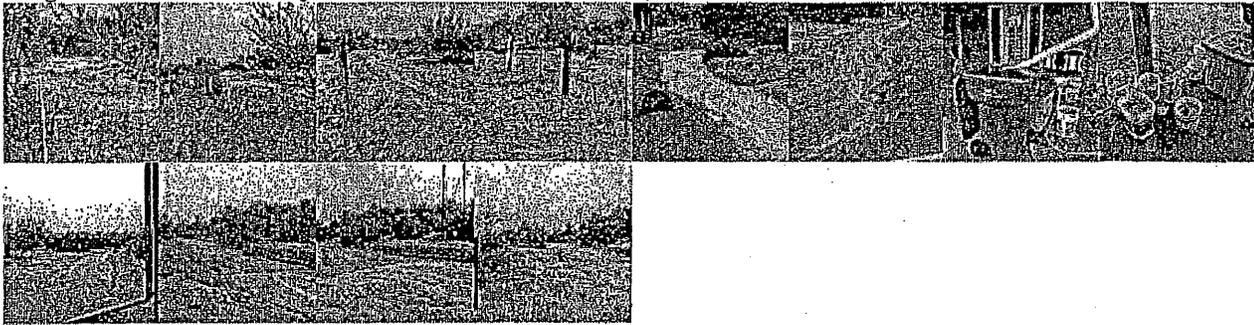
were full. So we filled our 96 gal. trash can also. We had just under an inch of rain that day - my point is it doesn't take a lot of rain to get a lot of runoff. Lastly are the pictures from the devastating rainfall from September 8th. Again, you can see the wash is flowing, and we also had a significant amount of damage to our driveway, and other areas of our property.

So, in closing, I am concerned about the volume of runoff that will be created an increase in the hardscape by the proposed subdivision. Any increase in volume to Lomas del Oro will be problematic. As you can see from the design of the current modifications to the wash, they were clearly inadequate. So, while I realize there will be catch basins incorporated into the proposal, what if they are insufficient? I am currently not in a flood plain. Unlike some of my downstream neighbors. However, the repairs to my driveway, maintenance of the washes that are on my parcel, are costly ventures. If the plans are insufficient, who's responsible? The builder? The Town? I spent a career in liability claims, and I have seen similar issues. Bad planning is never a good thing.

Thank you for your attention.

Greg Spadinger
Toni Dorsey

Greg has files to share with you on OneDrive. To view them, click the links below.



V4. LDR still flowing strong.MOV

Spaeth, Michael

From: Deanna Rex [REDACTED]
Sent: Wednesday, February 11, 2015 2:46 PM
To: Spaeth, Michael
Subject: Rezoning SE corner LaCholla and Lambert

I am a resident that has serious concerns about the proposal of rezoning the above property and I would like to have my concerns heard and my questions answered.

Currently there are no 'cluster' developments in Oro Valley south of Lambert and west of LaCanada. Adding this kind of neighborhood will devalue the property of those of us living here currently. Even if we agree to the rezoning request, how can we stipulate that they cannot cluster the homes?

At the neighborhood meeting in December, concerns were expressed about the height of the new homes, so we were promised that poles would be planted reflecting those heights. When we arrived at the February meeting we find that the poles were placed but not at the finished height of the homes. The land will have to be built up before the homes are constructed to be pulled out of the flood plane so we still don't know what the finished height will look like. I was told it would be 3' - 4' higher. How much fill will they be allowed to put in to raise the land out of the flood plane? How can we be assured that it is not more than the 3' - 4' feet?

Where are the catch basins going to be located? I have concerns that if they are placed strictly on the south edge of the land that this is going to have a devastating effect on the amount of water that will be funneled down the wash. There is already a flooding problem in this area. And surely they wouldn't be allowed to place the catch basins in the 150' setback zone, correct?

I want to also want to put it on record that I am very concerned about how any alterations to that land will directly affect downstream properties, mine included. I think we need to have a hydrologist specialist review this plan to determine what the ultimate effect will be.

There are many flaws with the design of this project and I, for one, object to the current proposal.

February 12, 2015

Michael Spaeth and Planning Staff
Town of Oro Valley

RE: OV114-018
Lambert and La Cholla Southeast Corner Rezoning

Dear Mr. Spaeth and Planning Staff,

The proposed rezoning request for the SE corner of Lambert Lane and La Cholla Blvd. impacts neighborhoods on three sides of the proposed plan. Issues regarding the proposed rezoning and future development of this site with respect to the adjacent property owners and existing homes have been brought up in the neighborhood meetings with the Town Staff and Applicant. The list of items that may impact the value of these existing homes and properties, are, but not limited to, the following:

- ✦ Lot size, zoning conformance, setbacks between buildings, drainage and traffic concerns.

Please consider the following for this rezoning request in order to protect the quality, value and character of the surrounding neighborhoods and properties as specified in Section 1.4.7 of the General Plan.

1. Proposed lot size is approximately 6,000 sq. ft. equivalent to 1.2 units per acre. The General Plan has a range of 0.4 to 1.2 units per acre allowed. We believe allowing closer to 0.4 units per acre will be more compatible with the surrounding neighborhood. Section 2.1.9 of the General Plan states that new developments need to consider 400' landscape buffers. WLB is proposing 150'.
2. No height variance under R1-43 should be granted. This Code does not allow 2 story homes. This area is specified as a "Scenic Corridor" under Section 11.3.1 of the General Plan. Town needs to protect views in this Scenic Corridor.
3. No setback variance should be granted. Minimum setbacks between homes should be no less than 10 feet. WLB is proposing 5'.
4. Drainage must be addressed. We have incomplete information. Are there properties south of this project have wells? Approximately 25-30 homes are conceptually located in FEMA - Zone A Flood Plain (noted as Wash C on WLB Site Analysis). Note that Section 2.1.2 in the General Plan "prohibits designs that channelize water courses". Section 12.1.1 of the General Plan says with regard to the Floodways-100 Year Flood, that the "Town shall require that natural washes be kept from development". Section 12.1.6 of the General Plan says that the "Town shall continue to enforce storm water controls to prevent the erosion or siltation of washes".
5. Assure that the access points will reduce traffic conflicts with future development from multiple access points as will be required on the north side of Lambert Lane. Assure that there will be adequate Traffic Studies done for egress and ingress.

The General Plan and the State "Growing/ Plus Statutes" have guidelines that the proposal has not adhered to. The Town of Oro Valley should not let developers selectively interpret it.

Respectfully, 

Oro Valley Resident

February 12, 2015

Michael Spaeth and Planning Staff
Town of Oro Valley

RE: OV114-018
Lambert and La Cholla Southeast Corner Rezoning

Dear Mr. Spaeth and Planning Staff,

The proposed rezoning request for the SE corner of Lambert Lane and La Cholla Blvd. impacts neighborhoods on three sides of the proposed plan. Issues regarding the proposed rezoning and future development of this site with respect to the adjacent property owners and existing homes have been brought up in the neighborhood meetings with the Town Staff and Applicant. The list of items that may impact the value of these existing homes and properties, are, but not limited to, the following:

* Lot size, zoning conformance, setbacks between buildings, drainage and traffic concerns.

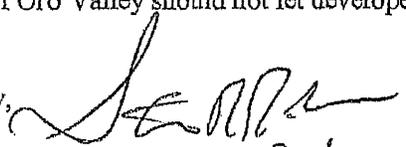
Please consider the following for this rezoning request in order to protect the quality, value and character of the surrounding neighborhoods and properties as specified in Section 1.4.7 of the General Plan.

1. Proposed lot size is approximately 6,000 sq. ft. equivalent to 1.2 units per acre. The General Plan has a range of 0.4 to 1.2 units per acre allowed. We believe allowing closer to 0.4 units per acre will be more compatible with the surrounding neighborhood. Section 2.1.9 of the General Plan states that new developments need to consider 400' landscape buffers. WLB is proposing 150'.
2. No height variance under R1-43 should be granted. This Code does not allow 2 story homes. This area is specified as a "Scenic Corridor" under Section 11.3.1 of the General Plan. Town needs to protect views in this Scenic Corridor.
3. No setback variance should be granted. Minimum setbacks between homes should be no less than 10 feet. WLB is proposing 5'.
4. Drainage must be addressed. We have incomplete information. Are there properties south of this project have wells? Approximately 25-30 homes are conceptually located in FEMA - Zone A Flood Plain (noted as Wash C on WLB Site Analysis). Note that Section 2.1.2 in the General Plan "prohibits designs that channelize water courses". Section 12.1.1 of the General Plan says with regard to the Floodways-100 Year Flood, that the "Town shall require that natural washes be kept from development". Section 12.1.6 of the General Plan says that the "Town shall continue to enforce storm water controls to prevent the erosion or siltation of washes".
5. Assure that the access points will reduce traffic conflicts with future development from multiple access points as will be required on the north side of Lambert Lane. Assure that there will be adequate Traffic Studies done for egress and ingress.

~~The General Plan and the State "Growing Plus Statutes" have guidelines that the proposal has not adhered to. The Town of Oro Valley should not let developers selectively interpret it.~~

Respectfully,

Oro Valley Resident


Steven Roth

February 12, 2015

Michael Spaeth and Planning Staff
Town of Oro Valley

RE: OV114-018
Lambert and La Cholla Southeast Corner Rezoning

Dear Mr. Spaeth and Planning Staff,

The proposed rezoning request for the SE corner of Lambert Lane and La Cholla Blvd. impacts neighborhoods on three sides of the proposed plan. Issues regarding the proposed rezoning and future development of this site with respect to the adjacent property owners and existing homes have been brought up in the neighborhood meetings with the Town Staff and Applicant. The list of items that may impact the value of these existing homes and properties, are, but not limited to, the following:

- * Lot size, zoning conformance, setbacks between buildings, drainage and traffic concerns.

Please consider the following for this rezoning request in order to protect the quality, value and character of the surrounding neighborhoods and properties as specified in Section 1.4.7 of the General Plan.

1. Proposed lot size is approximately 6,000 sq. ft. equivalent to 1.2 units per acre. The General Plan has a range of 0.4 to 1.2 units per acre allowed. We believe allowing closer to 0.4 units per acre will be more compatible with the surrounding neighborhood. Section 2.1.9 of the General Plan states that new developments need to consider 400' landscape buffers. WLB is proposing 150'.
2. No height variance under RI-43 should be granted. This Code does not allow 2 story homes. This area is specified as a "Scenic Corridor" under Section 11.3.1 of the General Plan. Town needs to protect views in this Scenic Corridor.
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~~The General Plan and the State "Growing/Plus Statutes" have guidelines that the proposal has not adhered to. The Town of Oro Valley should not let developers selectively interpret it.~~

Respectfully,
Oro Valley Resident

Wz Rullo
7030 N. Rancho Santa
OV 85737

February 12, 2015

Michael Spaeth and Planning Staff
Town of Oro Valley

RE: OV114-018
Lambert and La Cholla Southeast Corner Rezoning

Dear Mr. Spaeth and Planning Staff,

The proposed rezoning request for the SE corner of Lambert Lane and La Cholla Blvd. impacts neighborhoods on three sides of the proposed plan. Issues regarding the proposed rezoning and future development of this site with respect to the adjacent property owners and existing homes have been brought up in the neighborhood meetings with the Town Staff and Applicant. The list of items that may impact the value of these existing homes and properties, are, but not limited to, the following:

- ✦ Lot size, zoning conformance, setbacks between buildings, drainage and traffic concerns.

Please consider the following for this rezoning request in order to protect the quality, value and character of the surrounding neighborhoods and properties as specified in Section 1.4.7 of the General Plan.

1. Proposed lot size is approximately 6,000 sq. ft. equivalent to 1.2 units per acre. The General Plan has a range of 0.4 to 1.2 units per acre allowed. We believe allowing closer to 0.4 units per acre will be more compatible with the surrounding neighborhood. Section 2.1.9 of the General Plan states that new developments need to consider 400' landscape buffers. WLB is proposing 150'.
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Respectfully, 
Oro Valley Resident
1707 W. Placita Carmel

February 12, 2015

Michael Spaeth and Planning Staff
Town of Oro Valley

RE: OV114-018
Lambert and La Cholla Southeast Corner Rezoning

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- ✦ Lot size, zoning conformance, setbacks between buildings, drainage and traffic concerns.

Please consider the following for this rezoning request in order to protect the quality, value and character of the surrounding neighborhoods and properties as specified in Section 1.4.7 of the General Plan.

1. Proposed lot size is approximately 6,000 sq. ft. equivalent to 1.2 units per acre. The General Plan has a range of 0.4 to 1.2 units per acre allowed. We believe allowing closer to 0.4 units per acre will be more compatible with the surrounding neighborhood. Section 2.1.9 of the General Plan states that new developments need to consider 400' landscape buffers. WLB is proposing 150'.
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Respectfully,

Oro Valley Resident

Victor & Kayla Cortez
1720 W. Plastero Cedacal

February 12, 2015

Michael Spaeth and Planning Staff
Town of Oro Valley

RE: OV114-018
Lambert and La Cholla Southeast Corner Rezoning

Dear Mr. Spaeth and Planning Staff,

The proposed rezoning request for the SE corner of Lambert Lane and La Cholla Blvd. impacts neighborhoods on three sides of the proposed plan. Issues regarding the proposed rezoning and future development of this site with respect to the adjacent property owners and existing homes have been brought up in the neighborhood meetings with the Town Staff and Applicant. The list of items that may impact the value of these existing homes and properties, are, but not limited to, the following:

* Lot size, zoning conformance, setbacks between buildings, drainage and traffic concerns.

Please consider the following for this rezoning request in order to protect the quality, value and character of the surrounding neighborhoods and properties as specified in Section 1.4.7 of the General Plan.

1. Proposed lot size is approximately 6,000 sq. ft. equivalent to 1.2 units per acre. The General Plan has a range of 0.4 to 1.2 units per acre allowed. We believe allowing closer to 0.4 units per acre will be more compatible with the surrounding neighborhood. Section 2.1.9 of the General Plan states that new developments need to consider 400' landscape buffers. WLB is proposing 150'.
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Respectfully,

Oro Valley Resident

Richard A. Hicks 1710 W. PLACITA CARACOL

*Chuck & Wendy Sweet
10332 N. Placita Lujoso
Oro Valley, Arizona 85737*

January 19th 2016

Oro Valley Planning & Zoning Commission
Oro Valley, Arizona

Re: Proposed rezoning of an approximately 143-acre property from R1-144 to R1-43 to develop a single-family detached residential subdivision, located on the southeast corner of La Cholla Boulevard and Lambert Lane, OV914-009

Dear Planning and Zoning Commission Members:

Thank you for the opportunity to provide comments regarding the above referenced rezoning of the property located on the southeast corner of La Cholla Boulevard and Lambert Lane, OV914-009.

We are encouraged by the applicant's reduction in density from 153 lots to 91 lots and the protection of significant open space for the project. We would be supportive of this rezoning with conditions.

The conditions that we would ask you to add to this rezoning have to do with safety improvements both on Lambert Lane and La Cholla Boulevard. Since we have lived in the Rancho Feliz subdivision directly east of the subject property for the past 23 years, we travel both Lambert Lane and La Cholla Boulevard on a daily basis. Even though the Town's upcoming road improvement project on Lambert Lane this summer will help some with traffic congestion, if this residential project moves forward in the coming years safety improvements are critical for those future residents and the existing traveling public.

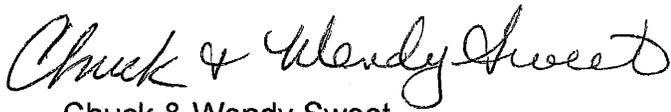
We request that the following condition be added to the rezoning of the property located on the southeast corner of La Cholla Boulevard and Lambert Lane, OV914-009:

"Future Tentative/Final Plat and Development Plans for rezoning OV914-009 shall include the design and ultimate construction by the landowner/applicant of left turn bays and deceleration lanes on both Lambert Lane and La Cholla Boulevard at the entrance roads for the subject property."

If the P&Z Commission recommends and the Town Council ultimately approves this rezoning as per the latest revision, the land owners and future home builder will receive a significant increase in property value overnight. The inclusion of the above requested condition as a part of rezoning is only right and fair for existing residents and those who would be buying these homes.

Thank you for your consideration of this request.

Sincerely,

A handwritten signature in cursive script that reads "Chuck & Wendy Sweet". The signature is written in black ink and is positioned above the printed name.

Chuck & Wendy Sweet

C: Michael Spaeth, AICP Senior Planner, TOV

MAR 14 16AM 9:16 TOV

March 7, 2016

Town of Oro Valley
11000 N. La Canada Drive
Oro Valley, Arizona 85737

Attn: Ms. Julie Bower, Town Clerk
Re: 1/12/2016WLB Flow Mitigation Graphic

Dear Ms. Bower:

At a meeting of residents regarding the property in question, Councilmember Zinkin was present.

At his suggestion I am respectfully requesting that this letter be placed in the "Fasseas Packet",
for the March 16, 2016 council agenda.

Thank you for your courtesy,



RAY BAUER
9900 North La Cholla Boulevard
Oro Valley, Arizona 85742-9645
email: [REDACTED]



Mike Zinkin
Councilmember
Mayor and Town Council
Phone: (520) 229-4993
Mobile: (520) 471-0321
Fax: (520) 297-0428
E-mail: mzinkin@orovalleyaz.gov

Town of Oro Valley
11000 N. La Cañada Drive
Oro Valley, Arizona 85737
www.orovalleyaz.gov

Town of Oro Valley
11000 N. La Canada Drive
Oro Valley, AZ 85737
Re: 1/12/2016 11"x17", WLB Flow Mitigation Graphic

February 29, 2016

Honorable Mayor and Town Councilmembers:

At a meeting of residents regarding the property in question, **Councilmember Zinkin was present**. At his suggestion, the Town Clerk was requested to include this letter in the Fasseas packet, for the March 16, 2016 council agenda. Mr. Zinkin also viewed a video illustrating the ferocity of an LDO Wash flow that almost totally filled the only exit culvert.

After discussing the sketch I had been advised to contact the Town Engineer, as a courtesy and also as a record of fact at this juncture. I did so in a similar letter on February 4, 2016, on March 3, 2016, Engineer M. Todnem, P.E., responded.

When a legal action may be imminent, a letter of intent or claim precedes. I have no present plans for any such option, at this time. Nor should this communication be construed as part of such a document. However, negligence is a valid basis for such an action. I believe it shall be evident that, that element is present as indicated, herein.

The present Town Engineer, had none of the faults concerned initiated on his watch. However, as Town Engineer he, as well as the Mayor and Town Council, have been entrusted with a solemn duty and I believe you will find that one must choose to defend the neglect pointed out or be part of the solution and revisions. I believe you will opt for solutions.

Regardless of water mitigation efforts, this and future development, along with the new La Cholla road drainage, will all have **some** impact upon **the only exit, The LDO Wash**. The WLB graphic perfectly illustrates the problem. Rains that may be normally absorbed will now be deflected by development flat surfaces into the narrow, barely visible, gabion lined LDO Channel, lower left, resulting in increasing volumes and velocities.

LDO Wash flows are imagined to be associated only with local rains. Large flows occur for hours at night, with no local rains. The sources are the mountain flows which may occur at any time. With the drought, multiple flows are reduced.

At the initial meeting of the 2009 "LDO Wash Improvement Project", on April 8, 2009, an Oro Valley/Consultant handout stated it would, "Provide the additional capacity required to convey the 100-year flow event, "with sufficient freeboard". However, the required FEMA printed notice of 7/29/2009 in the Explorer News, approved only a design that would, "convey CLOSE to the 100 year storm event". Most residents were unaware and uninformed of the change.

That meeting was hosted by an OV Stormwater Engineer and Town consultant. After viewing the plans, my wife and I proposed to donate additional lands, at no cost to the Town, to widen **the proposed 25' wash. It had been 32' wide**. We believed then, as now, that the consultant plan was, and is, flawed. **Width and bank heights were, and are insufficient** to handle even present, as well as future increasing flows. Our offer was bluntly refused without any consideration.

Our existing 60" high walls of 6" reinforced gunite, with a 1'x 4' reinforced toe, were allegedly deemed too low by the Town consultant. Our **existing 60" walls** were destroyed and replaced with gabions presently as **low as, 49 inches to 55 inches above the existing flow levels. Minimum plan specifications are 61 inches**.

An OV Stormwater Engineer wrote in regard to a flow on 7/12/2012, that the "structure had functioned superbly". Apparently unknown to him, **243 feet of the gabions**, on our property, had **been washed out 3' wide and 4' deep**. Haphazard repairs were made, and not to original specification, as required. It leans embarrassingly, yet today.

Our lands adjacent to all the gabion walls here are higher, except for the washed out section, because all the walls are of insufficient height for protection from ever increasing flows. This also has caused us tremendous erosion!

In an email of **3/17/2011**, to the project manager, I protested the low heights of all the walls across our property considering it mandatory **for an addition of at least an 18 inch row of gabions** to increase the bank protection and to be at grade with adjacent land. I was advised that one could not just add a row of 18" baskets on the top, as it would not be stable. If it were added, it must be underneath the gabion stack, and it was now impossible to do so on our property.

Roads and development drainage, no matter how mitigated, will have an effect upon the LDO Wash. The weakest link is here, where flows enter and are sharply restricted by the narrow, steep channel. They produce frighteningly violent wave actions and unbelievably swift velocities. The video viewed by Councilmember Zinkin should be required viewing.

Here, at that entering point will be found the lowest, poorest bank protections. Here, 243 feet of gabions were washed out as well as being overtopped in other locations. Here, bank heights may be seen as low as 49 inches. Minimum specs are 61 inches. Here, an increased 18" bank height was refused because it was not possible to add the gabions on top.

And here, for over 47 years, my wife and I have resided on this 4.89 acres and monitored this channel.

However, 20 feet downstream of our 57 inch wall, the walls have risen 91 to 102 inches – with 18 inch gabions on top. Although we were advised this height and procedure was not possible, it apparently was possible. **But, just not for us.**

The bank improvements were appreciated, but, finding that a **double standard had been perpetrated against us** that renders our property more vulnerable, than an adjacent property by this **negligence**, is a travesty that must be addressed. To permit new development and new roads to add to the LDO Wash flows **without first addressing and correcting this negligence** that has imperiled our safety by this **double standard**, is unthinkable.

The addition of the originally requested 3' x 1.5' (18") row of filled, secured and backfilled gabion baskets must be installed on top of the entire section of LDO Wash bank protections that pass through the 9900 N. La Cholla property. The need was clearly demonstrated by the 243 foot wall washout here, and overtopping of gabions here, previously.

It would also be quite helpful if the most simple requirement of the **recorded easement**, granted to the Town, was also implemented. And that is: "Scheduled elimination of weeds". The small channel aside our north drive is most indicative of this impediment to flows into the wash, it is overflowing with weeds and has never been addressed as required.

As suggested, there are choices for us all. I pray the correct one will be made for our Town, as it is our Town as well.

Thank you for your attention.

Sincerely,



RAY BAUER, Trustee, The Bauer Family Revocable Trust
9900 N. La Cholla Blvd.,
Oro Valley, AZ 85742-9645
email: [REDACTED]

March 8, 2015

Town of Oro Valley

Michael Spaeth <mspaeth@orovalleyaz.gov>

Bayer Vella <bvella@orovalleyaz.gov>

RE: RE: OV114-018
Lambert Lane and La Cholla Boulevard Southeast Corner Rezoning

I, Paul Jeschor, protest the rezoning of the SE corner of Lambert Lane and La Cholla Boulevard. I am an adjoining property owner and I am filing a formal protest of the rezoning of this property.

Sincerely,

Name: Paul Jeschor

Address: 9949 N. Camino Paramo Oro Valley AZ 85737

Date: March 8th, 2015

March 6, 2015

Town of Oro Valley

Michael Spaeth <mspaeth@orovalleyaz.gov>

Bayer Vella <bvella@orovalleyaz.gov>

Paul Keesler (Via Town of Oro Valley web site contact form)

RE: RE: OV114-018

Lambert Lane and La Cholla Boulevard Southeast Corner Rezoning

We, ___Dennis and Jodi Swena_____, protest the rezoning of the SE corner of Lambert Lane and La Cholla Boulevard. I am an adjoining property owner and I am filing a formal protest of the rezoning of this property.

Sincerely,

Name: ___Dennis and Jodi Swena_____

Address: _1930 W. Camino Bajio_____

Date: ___03/07/2015_____

March 6, 2015

Town of Oro Valley

Michael Spaeth <mspaeth@orovalleyaz.gov>
Bayer Vella <bvella@orovalleyaz.gov>

RE: RE: OV114-018
Lambert Lane and La Cholla Boulevard Southeast Corner Rezoning

I, Will Brooks, protest the rezoning of the SE corner of Lambert Lane and La Cholla Boulevard. I am an adjoining property owner and I am filing a formal protest of the rezoning of this property.

Sincerely,

Name: Will Brooks

Address: 10021 N Placita Cascabella

Date: March 6, 2015

March 6, 2015

Town of Oro Valley

Michael Spaeth <mspaeth@orovalleyaz.gov>
Bayer Vella <bvella@orovalleyaz.gov>

RE: RE: OV114-018
Lambert Lane and La Cholla Boulevard Southeast Corner Rezoning

I, James Nason, protest the rezoning of the SE corner of Lambert Lane and La Cholla Boulevard. I am an adjoining property owner and I am filing a formal protest of the rezoning of this property.

Sincerely,

Name: James Nason _____

Address: 10020 N Placita Cascabella, Oro Valley, AZ 85737

Date: 3/6/2015 _____

March 10, 2015

Town of Oro Valley

Michael Spaeth <mspaeth@orovalleyaz.gov>

Bayer Vella <bvella@orovalleyaz.gov>

RE: RE: OV114-018
Lambert Lane and La Cholla Boulevard Southeast Corner Rezoning

I, Bonnie Quinn, protest the rezoning of the SE corner of Lambert Lane and La Cholla Boulevard. I am an adjoining property owner and I am filing a formal protest of the rezoning of this property.

Sincerely,

Name: Bonnie Quinn

Address: 9950 N. Camino Paramo

Date: 3-10-15

March 12, 2015

I, Margaret R. Shafer, protest the rezoning of the SE corner of Lambert Lane and La Cholla Boulevard. I am an adjoining property owner and I am filing a formal protest of the rezoning of this property.

I am Margaret Rosaria Shafer and I reside at 9999 Camino Paramo in Oro Valley. I respectfully submit this formal protest on March 12, 2015. I can be reached via this email address, by US mail at the address above or by phone at [REDACTED].

Cordially,
Margaret Shafer

MAR 9 2015

March 6, 2015

Town of Oro Valley

Michael Spaeth <mspaeth@orovalleyaz.gov>

Bayer Vella <bvella@orovalleyaz.gov>

RE: RE: OV114-018

Lambert Lane and La Cholla Boulevard Southeast Corner Rezoning

I, Carol Hunter, protest the rezoning of the SE corner of Lambert Lane and La Cholla Boulevard. I am an adjoining property owner and I am filing a formal protest of the rezoning of this property.

Sincerely,

Carol Hunter

Name:

Carol Hunter

Address:

10000 N. Placita Cascabella

Date:

3/9/15

March 6, 2015

Town of Oro Valley

Michael Spaeth <mspaeth@orovalleyaz.gov>

Bayer Vella <bvella@orovalleyaz.gov>

RE: RE: OV114-018

Lambert Lane and La Cholla Boulevard Southeast Corner Rezoning

I, Sally M. Bates, protest the rezoning of the SE corner of Lambert Lane and La Cholla Boulevard. I am an adjoining property owner and I am filing a formal protest of the rezoning of this property.

Sincerely,

Name: SALLY M BATES

Address: 9950 N PASEO CORONA, 85737

Date: 3-6-2015

March 6, 2015

Town of Oro Valley

Michael Spaeth <mspaeth@orovalleyaz.gov>

Bayer Vella <bvella@orovalleyaz.gov>

RE: RE: OV114-018

Lambert Lane and La Cholla Boulevard Southeast Corner Rezoning

I, Richard A. Hicks, protest the rezoning of the SE corner of Lambert Lane and La Cholla Boulevard. I am an adjoining property owner and I am filing a formal protest of the rezoning of this property.

Sincerely,

Name: RICHARD A. HICKS

Address: 1710 W. PLACITA CARACOL

Date: 3/13/15

June 8, 2015

Town of Oro Valley

Michael Spaeth

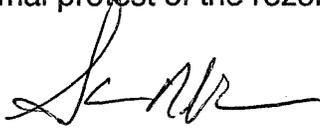
Bayer Vella

RE: OV114-018

Lambert Lane and La Cholla Boulevard Southeast Corner Rezoning

I, Steven M. Roth, protest the rezoning of the SE corner of Lambert Lane and La Cholla Boulevard. I am an adjoining property owner and I am filing a formal protest of the rezoning of this property.

Sincerely,



Name: Steven M. Roth

Address: 1720 W. Placita Salton

Date: 6/8/15



Rezoning southeast corner of Lambert/La Cholla Planning and Zoning Commission Staff Report

PROJECT: Rezoning southeast corner Lambert Lane/La Cholla Boulevard (Fasseas)

CASE NUMBER: OV914-009

MEETING DATE: February 2, 2016

AGENDA ITEM:

STAFF CONTACT: Michael Spaeth, Senior Planner
mspaeth@orovalleyaz.gov (520) 229-4812

Applicant: The WLB Group Inc., Paul Oland

Request: Rezoning of an approximately 142-acre property from R1-144 to R1-43 and use of the minimum lot size, building height and modified review process Flexible Design Options.

Location: Southeast corner of Lambert Lane and La Cholla Boulevard

Recommendation: Recommend approval subject to the conditions in Attachment 1.

SUMMARY:

The applicant proposes a rezoning from R1-144 to R1-43 for an approximately 142-acre property located on the southeast corner of Lambert Lane and La Cholla Boulevard. The Tentative Development Plan, included in Attachment 2, proposes:

- Ninety-one (91) single-family homes with a minimum lot size of 10,000 square feet.
- Preservation of over 75% of the site as open space, including an approximately 425 foot setback along the eastern property line and a 150 foot setback along the southern property line to serve as buffers between the subject property and neighboring residential development.
- Pedestrian and Equestrian trails and trailheads throughout the site.
- Two points of ingress/egress with access to Lambert Lane and La Cholla Boulevard.

The character of the La Cholla Corridor will be different in the future as a result of two key changes, a summary of which is provided below:

- 1) The widening of La Cholla Boulevard

- Roadway is currently in the design phase and is anticipated to be completed in June 2019
- Upon completion, traffic volumes are expected to increase 200%
- One of only two north-south Major Arterial roadways in Oro Valley

2) Town Council approval of the La Cholla/Naranja Major General Plan Amendments

- Increased residential densities along La Cholla Boulevard with lot sizes similar to those of the existing residential north toward Tangerine Road
- Concentrated commercial at the intersection of Lambert and La Cholla

Though the roadway widening is anticipated to be completed in the summer of 2019, many of the land use changes won't occur in the near future, but rather in five or ten years. Any development proposals within the corridor need to account for these future land use and transportation changes.

The public participation process has been extensive. In addition to five neighborhood meetings, Town staff and the applicant have held numerous informal meetings with concerned neighbors regarding the applicant's proposal. Staff has received legal protest letters from several property owners adjacent to the proposed rezoning. In accordance with State Law and the Zoning Code, sufficient protest has been received to require a super-majority (6-1) vote of Town Council for approval.

BACKGROUND:

Land Use Context

The Location Map, General Plan Land Use Map and Zoning Map for the property and the surrounding area is depicted in Attachments 3, 4 and 5 respectively.

Approvals to Date

- R1-144 zoning was established upon annexation of the property in 2002.
- There have been no approvals to date on the subject property

Regional Transportation and Land Use Changes

The character of the La Cholla Corridor is changing. Several transportation and land use changes will occur that will fundamentally impact the area. Many of these changes will not occur in the short term, but rather in the long term over the next five or ten years. The appropriateness of the applicant's proposal takes into consideration the nature and anticipated timeframes of these changes. A discussion is provided below of the key changes:

La Cholla Boulevard

The Regional Transit Authority (RTA) is currently in the design phase to improve La Cholla Boulevard to four-lanes from Overton Road (south of the subject property) north to Tangerine

Road with an anticipated completion date of June 2019. The significance of the roadway expansion is summarized in the details provided below:

- The roadway is currently one of only two north-south roadways designated as Major Arterials in Oro Valley, the other being Oracle Road. La Cholla Boulevard has always been considered the alternative north-south route as traffic congestion on Oracle Road continues to increase.
- The traffic volume on La Cholla Boulevard is expected to rise approximately 200% by 2040 according to the RTA. The road will function not only as an alternative to Oracle Road, but as the primary roadway for many Oro Valley residents, surpassing even La Cañada Drive.
- La Cholla Boulevard will highly resemble La Canada Drive with four-lanes separated by a landscaped median with pedestrian improvements.

Ultimately, the widening of La Cholla Boulevard is expected to impact land use patterns throughout the area. Typically, an intensification of land uses follows transportation changes such as the widening of a roadway, as an increase in traffic volume supports the land use change.

La Cholla Corridor Land Use

In May 2015, Town Council approved a Major General Plan Amendment for an area encompassing approximately 190 acres northwest of the subject property (see Attachment 6). The scope of the Amendment included:

- Increased residential densities for many of the properties adjacent to La Cholla Boulevard with lot sizes similar to those of the existing residential north toward Tangerine Road which are as small as 7,000 sq. ft. (see Attachment 7).
- Concentration of commercial near the Lambert Lane and La Cholla Boulevard intersection. Currently, two corners of the intersection (northeast and northwest) have neighborhood or regional commercial land use designations and a third (southeast) is expected to be commercial in the future as well.

In sum, the widening of La Cholla Boulevard and the concentration of commercial near the intersection supports an increase in density for the subject property based on the anticipated changes of the character of this area. The applicant's proposed Tentative Development Plan (TDP) represents an increase in residential density that will make more efficient use of the planned infrastructure expansion and help support the future commercial.

DISCUSSION/ANALYSIS:

The applicant proposes to rezone approximately 142 acres from R1-144 to R1-43 to develop a 91-lot residential subdivision. The Tentative Development Plan (TDP) includes:

- Ninety-one (91) single-family homes with a minimum lot size of 10,000 square feet. Many of the most visible homes to neighbors have been restricted to single-story to reduce any potential visual impacts.
- Preservation of over 75% of the site as open space, including an approximately 425 foot setback along the eastern property line and a 150 foot setback along the southern property line to serve as buffers between the subject property and neighboring residential development.
- Pedestrian and Equestrian trails and trailheads throughout the site.
- Two points of ingress/egress providing access to both Lambert Lane and La Cholla Boulevard.
- Regional drainage improvements.

Rezoning applications are reviewed for conformance with the General Plan, including the Land Use Map, and the Vision, Goals and Policies and the Town of Oro Valley Zoning Code.

General Plan Conformance Analysis

The applicant's request has been reviewed for conformance with the General Plan Land Use Map, Vision, Goals and Policies.

The subject property is designated as Low Density Residential (0.4 – 1.2 homes per acre) on the General Plan Future Land Use Map. As detailed above, the applicant is proposing 91-lots on approximately 142 acres, representing a density of approximately 0.64 homes per acre. The proposed Tentative Development Plan is consistent with the General Plan Land Use Map.

The applicant's proposal is consistent with the Vision and Goals and Policies of the General Plan, specifically those related to:

- Environment
- Community Design
- Transportation
- Infrastructure

A detailed analysis is provided in Attachment 8.

Zoning Code Analysis

The application has also been reviewed for conformance with the Town of Oro Valley Zoning Code and the specific development standards of the R1-43 zoning district. In summary, the applicant's proposal is consistent with the proposed zoning district and a detailed analysis of the applications conformance is provided in Attachment 9. A discussion of several key Zoning Code issues is provided below.

Drainage

Drainage has been one of the foremost concerns for neighbors throughout the process. Generally, Town standards require an applicant to design a drainage concept that results in

post-development runoff being equal to pre-development runoff. In other words, not increasing or decreasing the existing amount of runoff to downstream property owners. Presently, the existing drainage patterns in the area, without the applicant's proposed development, have been problematic for downstream property owners and improvements are needed.

The applicant has developed a drainage concept that will result in a significant decrease in the amount of runoff from the site to help alleviate some of the existing drainage issues within the area. A condition has been included in Attachment 1 that requires the applicant to reduce the post-development outflow to a level which has the effect of making the downstream property owners eligible for removal from the existing FEMA floodplain. Town staff will continue to work with the applicant to address the existing drainage issues in the area.

Environmentally Sensitive Lands (ESL)

Rezoning applications are required to comply with the requirements of the Environmentally Sensitive Lands (ESL) section of the Zoning Code. One of the primary objectives of the ESL requirements is the preservation of Environmentally Sensitive Open Space (ESOS) and other natural corridors. The subject property is characterized by several unique environmental constraints that limit the developable area, including:

- Significant hillsides and slopes. Approximately 29% of the site has regulated slopes in excess of 15% (see Exhibit E-2 in Attachment 2).
- Three washes, each designated as mapped FEMA floodplains (see Exhibit G in Attachment 2).

As a result of the environmental constraints of the site, the applicant's proposal uses a conservation subdivision design to protect environmental resources. The proposed subdivision represents a true conservation subdivision design by clustering the proposed homes away from neighboring properties and preserving approximately 75% of the site as contiguous open space. The amount of preserved open space is substantially more than the minimum required amount of Environmentally Sensitive Open Space as required in Table 27.10-2 (see Exhibit S in Attachment 2).

A condition has been added to Attachment 1 requiring the proposed roadway crossing over the Lomas de Oro wash to be constructed as a wildlife permeable bridge to maintain the integrity of the Critical Resource Area. With the condition, the applicant's proposed rezoning will be in conformance with the Environmentally Sensitive Lands standards.

A detailed analysis of the applications conformance with the Environmentally Sensitive Lands requirements is provided in Attachment 10.

Flexible Design Options

The Environmentally Sensitive Lands section of the Zoning Code enables the use of incentives, or flexible design options, for conservation subdivision designs. Flexible Design Options:

- Encourage the preservation of additional natural open space
- Allow the applicant to develop the same number of lots as permitted under the base zoning district.
- Are available to development when Environmentally Sensitive Open Space (ESOS) is applied to 25% or more of the property. As discussed previously, the applicant's proposal provides approximately 75% ESOS.

To achieve this level of open space preservation the applicant is proposing to use the following Flexible Design Options which require Town Council approval:

- Minimum Lot Size (a reduction from 43,560 sq. ft. to 10,000 sq. ft., 80% of the lots will have a minimum ½-acre) – Reduced lot sizes are necessary as a result of an increased amount of contiguous open space. The additional open space will also serve as a considerable buffer for neighbors, ranging from a minimum 150 feet for neighbors to the south to over 400 feet for neighbors to the east.
- Building Heights (an increase from 18 feet to 20 feet for one-story and 28 feet for two-story) – Increased building heights are often necessary when lot sizes are reduced to account for the reduced building footprint as a result of smaller lots. The increased building heights will not have an impact on existing views as much of the site is lower than neighboring properties. Furthermore, many of the homes are situated between ridgelines that will serve to screen the homes from adjacent properties.
- Modified Review Process – The Modified Review Process allows a rezoning application that has been exhaustively reviewed to proceed directly to the Final Site Plan stage of the review process. The public participation process has been extensive regarding the applicant's proposal. Due to the extent of design and mitigation that has already been accomplished, additional neighborhood meetings or public hearings would not be expected to significantly impact the overall design of the proposed subdivision.

The applicant has also requested the use of additional Flexible Design Options intended to conserve additional open space. These include the following which have been approved administratively, as enabled by the Zoning Code:

- Internal building setbacks – Similar to building heights, when lot sizes are reduced a reduction in building setback is required as a result of the smaller lot.
- Native Vegetation Preservation – The proposed Tentative Development Plan preserves approximately 75% of the site as Environmentally Sensitive Open Space, ensuring these areas will be left as natural open space.
- Recreation Area – The proposed recreation area amenities include trails and trailheads, both of which are consistent with the permitted uses in Environmentally Sensitive Open Space.

A discussion and analysis of the applicant's requested flexible design options is provided in Attachment 11.

Engineering

Drainage

The proposed rezoning request acknowledges the development will be designed so post-developed drainage conditions are consistent with pre-developed conditions in accordance with Town requirements. Three natural washes affect the subject property, flowing in a southerly direction through the development. All three washes have a FEMA Special Flood Hazard Area designation of "Zone A". A detailed drainage analysis was prepared by the applicant to determine the existing 100-year stormwater runoff values flowing through each wash.

The drainage system for the project shall be designed to ensure, among other requirements, that all proposed habitable structures adjacent to a wash will be protected from flooding and erosion. The increase of runoff resulting from constructed impervious surfaces will be mitigated by use of detention basins which discharge into the existing watercourses. The detention basins capture, hold, and release stormwater in a controlled manner to mimic existing conditions.

In addition to ensuring post-developed run-off does not exceed pre-developed levels, the applicant has proposed to control runoff exiting along the southern property line and contain the existing runoff that currently impacts downstream residences. Town staff supports this approach as it provides a benefit to downstream neighbors by alleviating existing flood conditions. A condition has been included in Attachment 1 to address drainage within the area.

Traffic:

The applicant's proposal provides two points of ingress/egress. The first is an access point proposed to connect to La Cholla Boulevard. There are existing sight visibility safety issues related to this location which will be mitigated by the future La Cholla Boulevard widening project. However, if this development moves forward prior to the La Cholla Boulevard widening project, the applicant will be required to construct a controlled access intersection (e.g. right-in/out only) or make other improvements to provide sufficient sight visibility for motorists.

The second access point is proposed to connect to Lambert Lane. Both access points will require off-site left turn-lane improvements to serve the new development. This development will generate an amount of traffic that is similar to other subdivisions located north along La Cholla Boulevard. The existing roadway network has existing capacity to accommodate the small increase in traffic volume, especially once the La Cholla widening project has been completed.

PUBLIC PARTICIPATION:

The public participation process has been extensive and productive. Five neighborhood meetings (3 traditional, 1 open house, 1 site visit) have been held concerning the applicant's proposal. Neighborhood meeting summaries have been provided as Attachment 12.

In addition to neighborhood meetings, the applicant and staff have met with concerned neighbors on several occasions. Through the process, the applicant and some of the neighbors have been able to forge consensus on numerous key issues (see Attachment 13). A discussion of the primary issues throughout the process and how the applicant has addressed them are listed below:

Drainage

As discussed previously, the existing drainage pattern surrounding the subject property has been a primary concern for neighboring property owners. After hearing from residents, the applicant has developed a methodology for not only addressing on-site drainage, but also improving off-site drainage throughout the area. A condition has been included in Attachment 1 to address the existing drainage within the area.

Building Height

Concerns were raised regarding the impact to surrounding property owners from two-story homes. The applicant conducted a site visit with neighbors to view “story” poles representing the proposed building heights for both one and two-story homes.

After receiving feedback from residents, the applicant has restricted many of the most visible lots to single-story and moved a number of homes away from existing residential to provide additional buffer.

Neighborhood Compatibility

Neighborhood residents have consistently voiced concern regarding the compatibility of the smaller lot sizes proposed by the applicant.

To address neighbor concerns, the applicant has substantially reduced the total number of lots (152 to 91) and increased the minimum lot size (minimum 10,000 sq. ft. with 80% minimum ½-acre). Previously, the applicant had moved homes away from existing residential and realigned the roadway accessing Lambert Lane to provide additional buffer for neighbors.

Staff has received additional correspondence concerning the applicant’s proposal which has been provided in Attachment 14.

Staff has also received several formal letters of protest which have been provided in Attachment 15. In accordance with State Law and the Zoning Code, a sufficient number of formal letters of protest have been received that will require a super-majority vote (6-1) of Town Council for approval.

RECOMMENDATION:

Based on the following findings:

- The request is appropriate considering the planned infrastructure expansion of La Cholla Boulevard.
- The request is consistent with the character of future land uses within the immediate area and will support future commercial.
- The request is consistent with the General Plan Vision, Goals and Policies, as well as all applicable sections of the Zoning Code,
- The Tentative Development Plan preserves a majority of the site's open space and wildlife corridors;
- The Tentative Development Plan, with the conditions listed in Attachment 1, improves the existing drainage within the immediate area.
- The public participation process has been extensive and resulted in tangible revisions to address neighbor concerns.

It is recommended that the Planning and Zoning Commission take the following action:

Recommend approval to Town Council of the proposed rezoning (OV914-009) and use of the requested Flexible Design Options including minimum lot size, building height and modified review process, as provided on Attachment 1.

SUGGESTED MOTIONS:

I move to recommend approval of the proposed rezoning from R1-144 to R1-43 and use of the requested Flexible Design Options including minimum lot size, building height and modified review process based on the findings in the staff report, subject to the conditions in Attachment 1.

OR

I move to recommend denial of the proposed rezoning from R1-144 to R1-43 and use of the requested Flexible Design Options, based on the findings _____.

ATTACHMENTS:

1. Conditions of Approval
2. Site Analysis and Tentative Development Plan
3. Location Map
4. General Plan Land Use Map
5. Zoning Map
6. La Cholla and Naranja Conceptual Land Use Plan
7. La Cholla Corridor Average Lot Sizes
8. General Plan Conformance Analysis
9. Zoning Analysis

Planning and Zoning Commission Staff Report

10. Environmentally Sensitive Lands Analysis
11. Flexible Design Options Analysis
12. Neighborhood Meeting Summaries
13. Neighborhood Consensus Summary
14. Resident Correspondence
15. Formal Letters of Protest

Bayer Vella, Planning Manager

Attachment 17
Southeast corner of Lambert Lane and La Cholla Boulevard rezoning
Planning and Zoning Commission Meeting Minutes
Town Council
April 6, 2016

2. [PUBLIC HEARING: DISCUSSION AND POSSIBLE ACTION ON A PROPOSED REZONING OF AN APPROXIMATELY 142-ACRE PROPERTY FROM R1-144 TO R1-43 TO DEVELOP A 91-LOT RESIDENTIAL SUBDIVISION AND USE OF THE MINIMUM LOT SIZE, BUILDING HEIGHT AND MODIFIED REVIEW PROCESS FLEXIBLE DESIGN OPTIONS. THE PROPERTY IS LOCATED ON THE SOUTHEAST CORNER OF LAMBERT LANE AND LA CHOLLA BOULEVARD, OV914-009](#)

Michael Spaeth, Senior Planner, provided a presentation that included the following:

- Purpose
- Location Map
- Site Map
- Review Criteria
- General Plan, Land Use Compatibility
- General Plan, Road Widening
- General Plan and Zoning, Environment
- Conservation Subdivision Design
- Flexible Design Options
- Public Participation
- Summary and Recommendation

Commissioner Hurt recommended that all general notes shown in exhibit R be cleaned up.

Commissioner Hurt asked if there has been any contact with Pima County and or Federal Emergency Management Association (FEMA) regarding the flooding issues.

David Laws, Planning Manager, responded that back in 2011 the Town completed improvements to the Lamas del Oro wash immediately south of this project. As a result the Town also proposed a LOMAR (letter of map revisions) process. Many properties were affected by the FEMA flood plain. As a result of that, property owners with a secured loan for a home were required to get flood insurance.

Back in 2015, the Town did get the LOMAR process approved through FEMA and the result was the removal of a significant portion of those properties from FEMA flood plain. Moving forward with this project, should it be successful for the rezoning, the developer of the project will be required to go through a similar process for their own property if it includes work in the flood plain.

As currently proposed, work is being done close to those areas. Property owners would be required to go through the LOMAR process to get those maps revised. Otherwise they are going

to have issues with securing insurance. The portion between this property and where the Town ended improvement is the questionable part.

Commissioner Hurt questioned whether the drainage analysis done by G. E. Fuller includes all washes? His concern is the drainage analysis appears to only involve one wash.

David Laws, responded that an analysis was done for the three areas and focus was the main wash. As we move forward through the development process, should this be a successful rezoning, a very detailed analysis will need to be completed on each of the washes, including encroachments into those areas with proposed improvements.

Commissioner Hurt commented that the property just north of Lambert Lane is undeveloped at this point. Two of the washes that go through the subject property also go through the undeveloped area. When that undeveloped property north of Lambert is developed, it will have an impact on those washes as well as downstream. His concern is the downstream issue and the property to the north.

David Laws, responded as the property to the north is developed, the developer will be required to analyze the impact of drainage standalone. It is the downstream areas that is actually making them go beyond what would typically be required. For the property to the north they will have to do an analysis of existing conditions and evaluate upstream and downstream conditions and incorporate a design that basically offsets the excess stormwater that is created from parking lots or rooftops, sidewalks to make sure that this is captured and held in place and slowly released to basically mimic existing conditions. Ultimately the drainage criteria requires that there is no downstream impact. So what you see today is what you're going to see a month later or a year later once that development is constructed. So there should be no impact.

Paul Oland, WLB Group, representing the applicant, provided a presentation that included the following:

- Updated Plan Changes
- Where we are at now
- Downstream impacts
- Summary

Commissioner Barrett questioned the applicant on the portion of the property that is undevelopable.

Mr. Oland responded, the Environmentally Sensitive Land Ordinance (ESLO) is meant to protect the most sensitive areas of the property. It allows a way to pursue cluster development which is encouraged by Town code so you can achieve densities planned by the General Plan without disturbing or going into the sensitive areas.

Vice-Chair Leedy opened the public hearing.

Dennis Swena, Oro Valley resident, stated he owns the property south of the proposed project. He has seen erosion of the embankment below his home. During the planning phase of the FEMA/Lomas del Oro Wash Flood Control Project he was approached by a Town employee by the name of Dave Parker and asked to sign a waiver allowing construction equipment on his property. At that time Mr. Swena pointed out the erosion of the embankment and raised concerns about it. The engineer agreed that his worries were alignment and proposed a remedy which was drawn into the plans. The waiver was signed, fully expecting that the Town would perform on its commitment. As it turns out the erosion protection promise for the embankment was pulled out of the plans without notification and was never constructed. Further substantial erosion was suffered from the flood of 2012, his property is bisected in half by the Loma del Oro Wash. The engineering changes eluded to the general outlines of this project will have a real impact on increasing the flow rate across his embankment that has been mentioned by Mr. Spaeth and the developer. Currently most of the runoff from the ridge north of his property becomes channeled and drains into the wash downstream from the embankment. Together with this vague and underlying changes to the Lomas del Oro Wash upstream from his property is cause for great concern. This proposed development together with other developments upstream is having a very real and substantial impact on property owners like himself. The plan before the Commission shows dotted lines along the wash as it traverses his property, but what do those lines even mean and how exactly will they be designed and constructed? How will it allow access to the north half of his property and impact the value and usefulness of his property. The developer has made some vague commitments in this regard but refuses to provide the detailed information in order for Mr. Swena to make an informed decision. This developer has promised substantial construction on his property but has not been willing to provide the detailed information that he needs in a form he can have reviewed by a professional and hold them accountable for their commitment. It would be irresponsible for him to agree to these terms, as well as irresponsible of this Commission to recommend approval of this project with so many questions left unanswered.

Karen Stratman, Oro Valley resident, stated where the neighbors left off is not where Mr. Oland left off. This property including the corner lot which has been excluded from this rezoning is currently R1-144, which means that they are 3 plus acre lots. It remains to define as low density residential in the current and newly revised version of the General Plan. The subject property has been discussed extensively in regards to the washes. Eventually this land will be developed and we are willing to work with Mr. Oland and Town staff to make this project. The neighbors have met and believe there is compatibility with the surrounding property owners, however the drainage is still not agreed upon by many property owners and is a pretty big problem. As stated earlier by the Town, we have put a lot of effort into extensive concessions and meetings by both sides and we believe there is some win, win between the neighbors and the Town and developer. There was disagreement about the two-story homes and what she was told was those rows of homes that have no red dots would have two two-story homes maximum in a row. Ms. Stratman would like to recommend this proposed project be approved with stipulations that the modified review process be denied and the conditions asked for by the neighbors for the special use policies for the conditions be added as well as including property owners to the south in any drainage design.

Liz Rulto, Oro Valley resident, stated she lives east of the proposed project and has been involved in this process with Mr. Oland for over a year. This has been the most confusing process that she has ever been involved in. Her main concern is the water drainage from the north, a lot of the culvert systems that are in place have been breached because of the intensity in which the water is moving from the north down the washes to this property. The developer stated he can help people out of the floodplain is a false statement. There is a huge process with FEMA. The modified review process was never discussed in the last year of community meetings. Ms. Rulto recommends that staff does not allow the modified review process.

Deanna Rex, Oro Valley resident, stated there was never a meeting after the new development was designed. The last meeting was hosted by a retired WLB hydrologist who stated the plan in place would not work. Placing the drainage downstream would take her out of the floodplain. The promise now is to place these retaining basins in that a retired hydrologist stated would not work. This new plan was mailed to us but never was discussed as a group.

Jonathon Kearns, Oro Valley resident, stated he lives on the west side of La Cholla where the other entrance will be located. This entrance is a very dangerous place to pull out. Should the Regional Transit Authority (RTA) not do what they need to do prior to this development, it will become increasingly more dangerous.

Vice-Chair Leedy closed the public hearing.

MOTION: A motion was made by Commissioner Swope and seconded by Commissioner Gribb to Table the item tonight in lieu of additional drainage analysis and maybe one more public meeting with the neighborhood.

7:39 Councilmember Joe Hornat showed up

MOTION failed, 2-4 with Commissioner Barrett, Commissioner Hitt, Commissioner Hurt, and Vice-Chair Leedy opposed.

MOTION: A motion was made by Commissioner Hitt and seconded by Vice-Chair Leedy to Recommend Approval of the proposed rezoning from R1-144 to R1-43 and use of the requested Flexible Design Options including minimum lot size, building height ~~and modified review process~~ based on the findings in the staff report, subject to the conditions in Attachment 1.

Commissioner Swope offered a friendly amendment that the modified review process not be included in the recommended approval.

Commissioner Hitt and Vice-Chair Leedy accepted the friendly amendment.

Commissioner Barrett offered a friendly amendment which states that the lots be confined to their developable area and still meet the 10,000 square foot minimum lot requirement.

Commissioner Hitt and Vice-Chair Leedy did not accept the friendly amendment.

MOTION carried, 6-0.



Town Council Regular Session

Item # 4. a.

Meeting Date: 04/06/2016

Requested by: Patty Hayes

Submitted By: Patty Hayes, Development Infrastructure Services

Department: Development Infrastructure Services

Information

SUBJECT:

RESOLUTION NO. (R)16-15, DECLARING THE PROPOSED AMENDMENT TO SECTION 28 AND RELATED SECTIONS OF THE ORO VALLEY ZONING CODE REGARDING SIGN LIGHTING, A PUBLIC RECORD

RECOMMENDATION:

Staff recommends approval.

EXECUTIVE SUMMARY:

This is a procedural item to declare the draft ordinance a matter of public record. The draft ordinance has been posted online and made available in the Town Clerk's Office. If the final version is adopted, as approved by Town Council, it will be made available in the same manner.

BACKGROUND OR DETAILED INFORMATION:

Once adopted by Town Council, this proposed resolution will become a public record and will save the Town on advertising costs since the Town will forgo publishing the entire draft ordinance in the newspaper. The current draft version of the draft ordinance has been posted on the Town's website and a printed copy is available for public review in the Town Clerk's Office. Once adopted, the final version will be published on the Town's website.

FISCAL IMPACT:

The Town will save on advertising costs by meeting publishing requirements by reference, without including the pages of the amendments.

SUGGESTED MOTION:

I MOVE to (adopt or deny) Resolution No. (R)16-15, declaring the proposed amendments to Section 28 and related sections of the Oro Valley Zoning Code regarding sign lighting, attached hereto as Exhibit "A" and filed with the Town Clerk, a public record.

Attachments

Attachment 1 - (R)16-15 Sign Lighting Zoning Code Amendment

RESOLUTION NO. (R)16-15

A RESOLUTION OF THE MAYOR AND COUNCIL OF THE TOWN OF ORO VALLEY, ARIZONA, DECLARING AS A PUBLIC RECORD THAT CERTAIN DOCUMENT TO BE PLACED WITHIN CHAPTER 27, GENERAL DEVELOPMENT STANDARDS, SECTION 27.5 OUTDOOR LIGHTING, AND CHAPTER 28, SIGNS, SECTIONS 28.2 PROCEDURES AND ENFORCEMENT, 28.3 GENERAL SIGN REQUIREMENTS, 28.4 DEFINITIONS AND SIGN TYPES, AND 28.5 PERMANENT SIGNS, OF THE ORO VALLEY ZONING CODE REVISED;, ATTACHED HERETO AS EXHIBIT "A" AND FILED WITH THE TOWN CLERK

BE IT RESOLVED BY THE MAYOR AND COUNCIL OF THE TOWN OF ORO VALLEY, ARIZONA, that certain document of the Oro Valley Town Code, entitled Chapter 27, "General Development Standards", Section 27.5 "Outdoor Lighting", and Chapter 28, "Signs", Sections 28.2 "Procedures and Enforcement", 28.3 "General Sign Requirements", 28.4 "Definitions" and "Sign Types";, and 28.5 "Permanent Signs" is attached hereto as Exhibit "A", three copies of which are on file in the Office of the Town Clerk, is hereby declared to be a public record, and said copies are ordered to remain on file with the Town Clerk.

PASSED AND ADOPTED by the Mayor and Town Council of the Town of Oro Valley, Arizona this 6th day of April, 2016.

TOWN OF ORO VALLEY

Dr. Satish I. Hiremath, Mayor

ATTEST:

APPROVED AS TO FORM:

Julie K. Bower, Town Clerk

Tobin Sidles, Legal Services Director

Date: _____

Date: _____

EXHIBIT “A”

New code section in ALL CAPS with code sections to be deleted shown with a ~~strike~~ through.

Section 27.5 Outdoor Lighting

B. Applicability

7. SIGN ILLUMINATION SHALL MEET THE STANDARDS OF SECTION 28.3.B.

Section 28.2. Procedures and Enforcement

D. Violations

3. SIGN LIGHTING

- a. DOCUMENTATION FROM THE SIGN AND/OR SIGN LIGHTING MANUFACTURER, PROVING COMPLIANCE WITH THE LIGHTING STANDARDS, SHALL BE REQUIRED AT THE TIME OF PERMIT SUBMITTAL. THOSE DOCUMENTS WILL BE KEPT ON FILE AT THE TOWN AS EVIDENCE OF CODE COMPLIANCE FOR FOLLOW UP INSPECTIONS AND COMPLAINTS.

Section 28.3 General Sign Requirements

B. Illumination

1. Illumination of signs, when permitted by this Chapter, may be accomplished only by the following methods:

- a. Halo or internal illumination, to the extent that only the sign characters and logos emit light, unless otherwise approved by the Planning and Zoning Administrator or the Conceptual Design Review Board.
- b. SIGN LIGHTING MAY INCLUDE NEON, LIGHT EMITTING DIODES (LED) AND OTHER LIGHT SOURCES, EXCEPT WHERE EXPRESSLY PROHIBITED IN THIS CHAPTER, IN ACCORDANCE WITH THE FOLLOWING STANDARDS:
 - i. LIGHT SOURCES SHALL BE SPACED THE MAXIMUM DISTANCE TO OBTAIN UNIFORMITY ON THE FACE MATERIAL.

- ii. COLOR TEMPERATURE SHALL NOT EXCEED 4,400 KELVINS.
- bc. Area lighting provided such lighting is in accordance with the Town of Oro Valley Lighting Code.
- ed. Illuminated wall signs may be turned on no earlier than 5:00 a.m. and shall be turned off no later than 11:00 p.m. or when the business closes, whichever is later, or as specified in this Chapter.
- ~~d. Low intensity LED lighting may be a component of a sign as specified in this Chapter.~~
- e. ELECTRONIC MESSAGE BOARDS SUCH AS LED, LCD, PLASMA SCREENS AND SIMILAR ELECTRONIC MESSAGE SIGNS EXPRESSLY PERMITTED IN THIS CHAPTER AS CHANGEABLE COPY SIGNS, SHALL MEET THE FOLLOWING STANDARDS:
 - i. LIMITED TO 200 NITS (CANDELA PER SQUARE METER), FULL WHITE MODE, FROM SUNSET TO SUNRISE.
 - ii. CONSTANT MOVEMENT, BLINKING, FLASHING, HIGH INTENSITY, OR ANIMATION CAUSED BY AN LED OR OTHER ELECTRONIC COMPONENTS OF THE SIGN IS PROHIBITED.
 - iii. MESSAGE SHALL NOT CHANGE MORE THAN ONCE EVERY 24 HOURS OR AS STATE LAW REQUIRES THE PRICE OF THE PRODUCT TO CHANGE.
 - iv. BACKGROUND OF CHANGEABLE COPY PORTION OF THE SIGN SHALL BE BLACK AND NO MORE THAN TWO COLORS SHALL ALLOWED FOR WORDS OR NUMBERS.
- f. SIGN PLANS SUBMITTED FOR PERMITTING SHALL BE SUFFICIENTLY COMPLETE TO ENABLE THE PLANNING AND ZONING ADMINISTRATOR TO READILY ASCERTAIN CODE COMPLIANCE. THE PLANNING AND ZONING ADMINISTRATOR MAY REQUIRE ADDITIONAL EVIDENCE OF COMPLIANCE SUCH AS CUT SHEETS, MANUFACTURE SPECIFICATIONS AND DOCUMENTATION FROM THE SIGN AND/OR SIGN LIGHTING MANUFACTURE, PROVING COMPLIANCE WITH THE LIGHTING STANDARDS, WHICH WILL BE

KEPT ON FILE AT THE TOWN AS EVIDENCE OF CODE COMPLIANCE FOR FOLLOW UP INSPECTIONS AND COMPLAINTS.

- g. A LABEL MUST BE ATTACHED TO THE EXTERIOR OF SIGN INDICATING COMPLIANCE WITH MAXIMUM KELVIN OR NIT RATING.

2. Prohibited SIGN Lighting

The following types of light sources are prohibited as means to illuminate or attract attention to any sign:

- a. ~~Exposed neon and/or neon type tubing except for "open" and/or "closed" signs~~ LIGHT SOURCE OTHER THAN AS EXPRESSLY PERMITTED IN WINDOW SIGNS SECTION 28.5.B.15 AND AS A COMPONENT OF A CHANGEABLE COPY MESSAGE PERMITTED IN SECTIONS 28.5.B.10, 11 AND 12
- b. LED ILLUMINATED WINDOW SIGN DISPLAY AREAS PER SECTION 28.5.B.15.IV.D.3.
- b. ~~Internal lighting other than that expressly permitted in subsection B.1 of this section.~~
- c. Blinking, flashing, rotating, CONSTANT MOVEMENT and animated light sources.
- d. Search lights.
- e. An illuminated sign placed on the interior of a business which is visible from the exterior shall not be illuminated when the business is closed, except "closed for business" signs.

Section 28.4 Definitions and Sign Types

57. Pan-Channel Letter

A dimensional character fabricated to form a pan (i.e., a back and sides). The pan is formed in the shape of a character. The sides are strips of the same material fastened to the back. The open end of the pan is usually capped by a character cut from translucent acrylic, and is known as the face. ~~Neon or low-voltage lights are then~~ LIGHTING MAY BE installed inside the pan to illuminate the face.

73. Reverse Channel Letter

A sign with dimensional character(s) fabricated from opaque material to form a pan, i.e., a front and sides. The pan is formed in the shape of a character. The sides are strips of

material fastened to the front. The back remains open. ~~Neon or low voltage lights~~
LIGHTING may be installed inside the ~~character~~ PAN which creates a halo illumination

New definitions for Section 28.4:

NIT

A UNIT OF VISIBLE-LIGHT INTENSITY, COMMONLY USED TO SPECIFY THE BRIGHTNESS OF AN LED, CATHODE RAY TUBE OR LIQUID CRYSTAL DISPLAY COMPUTER DISPLAY. ONE NIT IS EQUIVALENT TO ONE CANDELA PER SQUARE METER.

COLOR TEMPERATURE

THE WARMTH OR COOLNESS OF WHITE LIGHT SOURCE ALONG THE BLACK BODY CURVE. THE HIGHER THE COLOR TEMPERATURE (KELVIN (K)) THE COOLER APPEARING (BRIGHTER) THE WHITE LIGHT APPEARS.

Section 28.5 Permanent Signs

B. Permanent Signs in a Commercial/Industrial Zoning District.

10. Service Station/Fuel Sign

- a. Definition: A permanent, two (2) component, monument style sign displaying the changeable fuel prices, fuel types, name of station, and/or logos.
- b. Quantity: One (1) per street frontage.
- c. Area of Sign: Thirty-two (32) square feet.
- d. Height: Not to exceed six (6) feet from grade.
- e. Location: On private property adjacent to an arterial or collector street only.
- f. Setback: None unless otherwise required.
- g. Illumination: Name and logo of the business may be internally illuminated. Current fuel prices and fuel types may be internally or electronically illuminated ~~by means of LED. ,provided the light is low intensity. Any constant movement, blinking, flashing, high intensity, or animation caused by an LED is prohibited~~ AND SHALL MEET THE STANDARDS OF SECTION 28.3.B.

11. Theater Signs

- a. Definition: A monument style or wall sign with changeable copy panels used to display the current movies and times they are playing within the theater.
- b. Quantity: One (1) wall sign and (1) monument style sign allowed.
- c. Area of Sign: Fifty (50) square feet for a monument style sign and sixty-four (64) square feet for a wall sign.
- d. Height: Eight (8) feet for a monument style sign. A wall sign shall not extend above the roofline of a building.
- e. Location: A monument style sign shall be located on private property and a wall sign shall be displayed at the main entrance to the building.
- f. Setback: None unless otherwise required.
- g. Illumination: The sign may be internally illuminated or the copy may be electronically illuminated AND SHALL MEET THE STANDARDS OF SECTION 28.3.B. ~~by means of an LED.~~ The sign may only display the current listing of movies and their times. No other advertising message is allowed. ~~Any constant movement, blinking, flashing, or animation is strictly prohibited.~~ The sign shall be turned off one (1) hour after closing of theater.

12. Time and Temperature Signs

- a. Definition: An electronically controlled sign that provides the current time and/or temperature.
- b. Quantity: One (1) per development project.
- c. Area of Sign: A time and temperature sign may be a component of a monument style sign. Wall signs shall not exceed twenty (20) square feet.
- d. Height: Not to exceed the roofline of a building.
- e. Location: On private property and shall not be located within six hundred (600) feet of another time and temperature sign, not including an analog mounted on a wall.

- f. Illumination: ~~May be illuminated by means of a low intensity LED or other internal light source.~~ SHALL MEET THE STANDARDS OF SECTION 28.3.B.

14. Wall Sign

- a. Definition: Any sign which is fastened, attached, connected, or supported in whole or in part by a building or structure other than a sign structure which is supported wholly by the ground with the exposed face of the sign in a plane parallel to the plane of the wall. A wall sign shall consist of individual character letters (pan channel or reverse pan channel). Only individual logos may utilize cabinet sign type with a translucent sign face. Wall signs may include the name of the business, a trademarked logo, and modifiers, if needed, to further clarify the goods or services available on the premises.
- b. Quantity: No more than two (2) elevations may contain a wall sign. If a single tenant occupies an end unit or entire freestanding building, there may be signs on three (3) elevations, but only two (2) elevations may have illuminated wall signs. "End unit" refers to the end unit of a building in the final phase of a development.
- c. Area of Sign: For building elevations containing wall signs, a sign may be twenty-four (24) square feet, with no single wall sign containing more than one (1) square foot of sign for each linear foot of building frontage, for a maximum sign area of one hundred fifty (150) square feet. Wall signs for building elevations further than three hundred (300) feet from the street may contain no more than one and one-half (1-1/2) square feet of sign area for each linear foot of frontage, for a maximum sign area of two hundred (200) square feet. Where businesses do not possess individual frontages, each may maintain an individual sign; however, the maximum wall sign square footage shall not be exceeded.
- d. Height: No wall sign shall extend above the roofline of a building.
- e. Location: Shall only be placed on the building elevations or at the main entrance of a business which the sign identifies, and may not project more than eight (8) inches from the wall on which the sign is mounted.
- f. Illumination: Individual letters may be non-illuminated, halo illuminated or internally illuminated. Cabinet- type signs ~~in which only the logo~~ SHALL ONLY

emits light THROUGH THE LOGO. ~~The sign may be turned on at 5:00 a.m. and shall be turned off at 11:00 p.m. or when the business closes, whichever is later.~~
THE STANDARDS OF SECTION 28.3.B SHALL APPLY.



Town Council Regular Session

Item # 4. b.

Meeting Date: 04/06/2016

Requested by: Patty Hayes

Submitted By: Patty Hayes, Development Infrastructure Services

Department: Development Infrastructure Services

Information

SUBJECT:

PUBLIC HEARING: ORDINANCE NO. (O)16-05, AMENDING SECTION 28 AND RELATED SECTIONS OF THE ORO VALLEY ZONING CODE REVISED TO ESTABLISH LIGHTING STANDARDS FOR SIGNS

RECOMMENDATION:

The Planning and Zoning Commission recommends approval of the proposed amendment, as provided in Attachment 1.

EXECUTIVE SUMMARY:

The purpose of this request is to consider an amendment to the Zoning Code to establish lighting standards for signs. Based on concerns about the increasing brightness of illuminated signs, Town Council on April 1, 2015, initiated this amendment.

The Zoning Code does not provide specific standards related to sign brightness. The sign code currently contains vague language restricting sign lighting to "low intensity," which is unenforceable. The proposed amendment provides lighting standards which are consistent with best practices, while maintaining Oro Valley's commitment to preserve the dark night sky.

In 2012, a cooperative effort between Pima County and the City of Tucson resulted in a regional approach to regulating sign brightness. These regional standards were vetted through dozens of meetings with stakeholders including residents, businesses, sign companies and local observatories. The resulting standards were used as a basis for the proposed amendment as follows:

- 4,400 Kelvin for LED wall signs
- 200 Nits for LED message boards

The proposed amendment was considered and recommended for approval by the Planning and Zoning Commission on March 1, 2016.

BACKGROUND OR DETAILED INFORMATION:

In recent years, the technology used to illuminate signs has changed from neon to light emitting diodes (LED) and has resulted in increasingly brighter signs. Although LED is a more energy efficient technology, it uses a brighter white light which is more intense than older neon signs.

LED illuminated signs are comprised of either concealed or exposed sources of illumination. Below is a summary of these types of sign lighting and the proposed standards:

Concealed Illumination (commonly used in wall signs)

Concealed illumination means that the light source is hidden behind an opaque material and is commonly used internally within the letters of walls signs (Attachment 2). This type of illumination is measured in Kelvin temperature. Lower Kelvin temperatures result in warmer (more yellow) light and higher Kelvin temperatures result in cooler (more white) light (Attachment 3).

The amendment establishes a mid-range temperature of 4,400 Kelvin, consistent with the regional standards established in the 2012 Pima County and City of Tucson lighting codes. A 4,400 Kelvin rated sign would allow a business to be clearly identified at night, but would be less intrusive on the human eye and local observatories and prevent overly bright signs.

Exposed Illumination (commonly used for fuel prices and movie theater listings)

Exposed illumination is a type of LED that is used in signs with changeable copy such as fuel prices, time/temperature and movie theater listings, as shown in Attachment 4. Messages using exposed LED can also create an intense brightness at night. Exposed LED in changeable copy is measured in Nits. The proposed amendment establishes a maximum of 200 Nits, which is consistent with the 2012 regional standards.

Enforcement

The proposed sign code amendment includes language which requires an applicant to demonstrate compliance with the lighting standards during the permitting stage of a project through documentation from sign manufacturers. The permitting records will be retained as evidence of compliance with the code.

As information, this code amendment, if approved, will not have an effect on existing signs in the Town. Existing signs would be legal non-conforming signs and can remain as currently installed. If a new or replacement sign is proposed, that sign would need to conform with the new lighting requirements which would be verified through the permitting process. All future requests for compliance verification will be resolved only by sharing this documentation. No field verification will be required of the Town or applicant.

General Plan Analysis

Zoning Code Amendments are reviewed for conformance with the General Plan's

Vision, Goals and Policies. Listed below are relevant policies within the General Plan relating to signage in italics, followed by staff comments:

Signage: Signage controls have to balance citizens concerns about the increasing level of signage with the needs of businesses to attract customers.

Policy 2.1.10 The Town shall create standards for signage to provide information and direction to allow businesses to attract and maintain customers with the least intrusive signage possible.

Policy 11.3.3 The Town shall use existing standards and guidelines, and establish new ones as needed, to ensure that the built environment blends with or enhances the natural environment by restricting signage primarily to identification.

Illuminated signs have long been used to aid in providing direction and identification for businesses beyond daylight hours. The proposed code amendment does not increase the amount of signage allowed, but does establish balanced standards for allowed illumination. The proposed illumination standards protect the natural environment against overly bright signs by placing limits on the amount of light that can be emitted from a sign, which allows businesses ample lighting for identification.

The proposed amendment is consistent with the General Plan policies.

Planning and Zoning Commission Action

The amendment was heard by the Planning and Zoning Commission on March 1, 2016. Commission discussion focused on the frequency of message changes allowed within an allotted period of time for movie theater listings and fuel prices. The amendment establishes that the frequency of message change may not be more than once in a 24 hour period, unless required by State Law to reflect changes in product prices. A comparison of the frequency of message changes in other jurisdictions is provided in Attachment 5. At the conclusion of the meeting, the commission voted to recommend approval of the amendment.

The Planning and Zoning Commission staff report and minutes are provided on Attachments 5 and 6 respectively.

Public Notification and Comment

Public notice has been provided as follows:

- All HOAs in the Town
- Public hearing notice was posted:
 - In the Territorial newspaper
 - At Town Hall
 - On the Town website

To date, no comments have been received on the request.

FISCAL IMPACT:

N/A

SUGGESTED MOTION:

I MOVE to approve Ordinance No. (O)16-05, an amendment to Section 28 and related sections of the Oro Valley Zoning Code establishing lighting standards for signs, based on a finding that the amendment is consistent with the General Plan.

OR

I MOVE to deny Ordinance No. (O)16-05, an amendment to Section 28 and related sections of the Oro Valley Zoning Code, finding that _____.

Attachments

Attachment 1 - (O)16-05 Sign Lighting Zoning Code Amendment

Attachment 2 - Wall Sign Lighting Types

Attachment 3 - Kelvin Temperature Details

Attachment 4 - Exposed LED Sign Types

Attachment 5 - Message Board Changing Frequency

Attachment 6 - Planning and Zoning Commission Staff Reports

Attachment 7 - Planning and Zoning Commission Minutes

ORDINANCE NO. (O)16-05

AN ORDINANCE OF THE TOWN OF ORO VALLEY, ARIZONA, AMENDING CHAPTER 27, GENERAL DEVELOPMENT STANDARDS, SECTION 27.5 OUTDOOR LIGHTING, AND CHAPTER 28, SIGNS, SECTIONS 28.2 PROCEDURES AND ENFORCEMENT, 28.3 GENERAL SIGN REQUIREMENTS, 28.4 DEFINITIONS AND SIGN TYPES, AND 28.5 PERMANENT SIGNS OF THE ORO VALLEY ZONING CODE REVISED; REPEALING ALL RESOLUTIONS, ORDINANCES AND RULES OF THE TOWN OF ORO VALLEY IN CONFLICT THEREWITH; PRESERVING THE RIGHTS AND DUTIES THAT HAVE ALREADY MATURED AND PROCEEDINGS THAT HAVE ALREADY BEGUN THEREUNDER

WHEREAS, on March 13, 1981, the Mayor and Council approved Ordinance (O)81-58, which adopted that certain document entitled “Oro Valley Zoning Code Revised (OVZCR); and

WHEREAS, it is necessary to amend Chapter 27, General Development Standards, Section 27.5 Outdoor Lighting, and Chapter 28, Signs, Sections 28.2 Procedures and Enforcement, 28.3 General Sign Requirements, 28.4 Definitions and Sign Types, and 28.5 Permanent Signs, to amend provisions to provide sign lighting standards while continuing to provide a balance between the need to promote business, public safety and the Town’s aesthetic standards; and

WHEREAS, the proposed amendment related to concealed illumination (i.e.: wall signs) establishes a maximum of 4,400 Kelvin (K), consistent with the regional standards established in the 2012 Pima County/City of Tucson lighting code; and

WHEREAS, the proposed amendment related to exposed illumination (i.e. movie theater listings), establishes a maximum of 200 Nits which is consistent with the regional standards established in the 2012 Pima County/City of Tucson lighting code and would continue to allow businesses to use LED as a component of their fuel prices and theater signs and stay within proposed limits; and

WHEREAS, the proposed amendment to the sign code would include language to ensure the lighting standards are followed in the permitting phase of a project; and

WHEREAS, the Planning and Zoning Commission held a meeting on March 1, 2016, and voted to recommend approval of amending Chapter 27, General Development Standards, Section 27.5 Outdoor Lighting, and Chapter 28, Signs, Sections 28.2 Procedures and Enforcement, 28.3 General Sign Requirements, 28.4 Definitions and Sign Types, and 28.5 Permanent Signs; and

WHEREAS, the Mayor and Council have considered the proposed amendments and the Planning and Zoning Commission’s report and finds that they are consistent with the Town's General Plan and other Town ordinances and are in the best interest of the Town.

NOW, THEREFORE, BE IT ORDAINED by the Mayor and Town Council of the Town of Oro Valley that:

SECTION 1. that certain document entitled Chapter 27, General Development Standards, Section 27.5 Outdoor Lighting, and Chapter 28, Signs, Sections 28.2 Procedures and Enforcement, 28.3 General Sign Requirements, 28.4 Definitions and Sign Types, and 28.5 Permanent Signs, of the Oro Valley Zoning Code Revised, attached hereto as Exhibit “A” and incorporated herein by this reference and declared a public record on April 6, 2016, is hereby adopted

SECTION 2. All Oro Valley ordinances, resolutions or motions and parts of ordinances, resolutions or motions of the Council in conflict with the provision of this Ordinance are hereby repealed.

SECTION 3. If any section, subsection, sentence, clause, phrase, or portion of the resolution or any part of the General Plan Amendment adopted herein is for any reason held to be invalid or unconstitutional by the decision of any court of competent jurisdiction, such decision shall not affect the validity of the remaining portions thereof.

PASSED AND ADOPTED by the Mayor and Council of the Town of Oro Valley, Arizona this 6th day of April, 2016.

TOWN OF ORO VALLEY

Dr. Satish I. Hiremath, Mayor

APPROVED AS TO FORM:

ATTEST:

Julie K. Bower, Town Clerk

Tobin Sidles, Legal Services Director

Date: _____

Date: _____

EXHIBIT “A”

New code section in ALL CAPS with code sections to be deleted shown with a ~~strike through~~.

Section 27.5 Outdoor Lighting

B. Applicability

7. SIGN ILLUMINATION SHALL MEET THE STANDARDS OF SECTION 28.3.B.

Section 28.2. Procedures and Enforcement

D. Violations

3. SIGN LIGHTING

- a. DOCUMENTATION FROM THE SIGN AND/OR SIGN LIGHTING MANUFACTURER, PROVING COMPLIANCE WITH THE LIGHTING STANDARDS, SHALL BE REQUIRED AT THE TIME OF PERMIT SUBMITTAL. THOSE DOCUMENTS WILL BE KEPT ON FILE AT THE TOWN AS EVIDENCE OF CODE COMPLIANCE FOR FOLLOW UP INSPECTIONS AND COMPLAINTS.

Section 28.3 General Sign Requirements

B. Illumination

1. Illumination of signs, when permitted by this Chapter, may be accomplished only by the following methods:
 - a. Halo or internal illumination, to the extent that only the sign characters and logos emit light, unless otherwise approved by the Planning and Zoning Administrator or the Conceptual Design Review Board.
 - b. SIGN LIGHTING MAY INCLUDE NEON, LIGHT EMITTING DIODES (LED) AND OTHER LIGHT SOURCES, EXCEPT WHERE EXPRESSLY PROHIBITED IN THIS CHAPTER, IN ACCORDANCE WITH THE FOLLOWING STANDARDS:
 - i. LIGHT SOURCES SHALL BE SPACED THE MAXIMUM DISTANCE TO OBTAIN UNIFORMITY ON THE FACE MATERIAL.
 - ii. COLOR TEMPERATURE SHALL NOT EXCEED 4,400 KELVINS.
 - bc. Area lighting provided such lighting is in accordance with the Town of Oro Valley Lighting Code.

ed. Illuminated wall signs may be turned on no earlier than 5:00 a.m. and shall be turned off no later than 11:00 p.m. or when the business closes, whichever is later, or as specified in this Chapter.

~~d. Low intensity LED lighting may be a component of a sign as specified in this Chapter.~~

e. ELECTRONIC MESSAGE BOARDS SUCH AS LED, LCD, PLASMA SCREENS AND SIMILAR ELECTRONIC MESSAGE SIGNS EXPRESSLY PERMITTED IN THIS CHAPTER AS CHANGEABLE COPY SIGNS, SHALL MEET THE FOLLOWING STANDARDS:

i. LIMITED TO 200 NITS (CANDELA PER SQUARE METER), FULL WHITE MODE, FROM SUNSET TO SUNRISE.

ii. CONSTANT MOVEMENT, BLINKING, FLASHING, HIGH INTENSITY, OR ANIMATION CAUSED BY AN LED OR OTHER ELECTRONIC COMPONENTS OF THE SIGN IS PROHIBITED.

iii. MESSAGE SHALL NOT CHANGE MORE THAN ONCE EVERY 24 HOURS OR AS STATE LAW REQUIRES THE PRICE OF THE PRODUCT TO CHANGE.

iv. BACKGROUND OF CHANGEABLE COPY PORTION OF THE SIGN SHALL BE BLACK AND NO MORE THAN TWO COLORS SHALL ALLOWED FOR WORDS OR NUMBERS.

f. SIGN PLANS SUBMITTED FOR PERMITTING SHALL BE SUFFICIENTLY COMPLETE TO ENABLE THE PLANNING AND ZONING ADMINISTRATOR TO READILY ASCERTAIN CODE COMPLIANCE. THE PLANNING AND ZONING ADMINISTRATOR MAY REQUIRE ADDITIONAL EVIDENCE OF COMPLIANCE SUCH AS CUT SHEETS, MANUFACTURE SPECIFICATIONS AND DOCUMENTATION FROM THE SIGN AND/OR SIGN LIGHTING MANUFACTURE, PROVING COMPLIANCE WITH THE LIGHTING STANDARDS, WHICH WILL BE KEPT ON FILE AT THE TOWN AS EVIDENCE OF CODE COMPLIANCE FOR FOLLOW UP INSPECTIONS AND COMPLAINTS.

g. A LABEL MUST BE ATTACHED TO THE EXTERIOR OF SIGN INDICATING COMPLIANCE WITH MAXIMUM KELVIN OR NIT RATING.

2. Prohibited SIGN Lighting

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SIGNS SECTION 28.5.B.15 AND AS A COMPONENT OF A CHANGEABLE COPY MESSAGE PERMITTED IN SECTIONS 28.5.B.10, 11 AND 12

- b. LED ILLUMINATED WINDOW SIGN DISPLAY AREAS PER SECTION 28.5.B.15.IV.D.3.
- ~~b.— Internal lighting other than that expressly permitted in subsection B.1 of this section.~~
- c. Blinking, flashing, rotating, CONSTANT MOVEMENT and animated light sources.
- d. Search lights.
- e. An illuminated sign placed on the interior of a business which is visible from the exterior shall not be illuminated when the business is closed, except “closed for business” signs.

Section 28.4 Definitions and Sign Types

57. Pan-Channel Letter

A dimensional character fabricated to form a pan (i.e., a back and sides). The pan is formed in the shape of a character. The sides are strips of the same material fastened to the back. The open end of the pan is usually capped by a character cut from translucent acrylic, and is known as the face. ~~Neon or low-voltage lights are then~~ LIGHTING MAY BE installed inside the pan to illuminate the face.

73. Reverse Channel Letter

A sign with dimensional character(s) fabricated from opaque material to form a pan, i.e., a front and sides. The pan is formed in the shape of a character. The sides are strips of material fastened to the front. The back remains open. ~~Neon or low-voltage lights~~ LIGHTING may be installed inside the ~~character~~ PAN which creates a halo illumination

New definitions for Section 28.4:

NIT

A UNIT OF VISIBLE-LIGHT INTENSITY, COMMONLY USED TO SPECIFY THE BRIGHTNESS OF AN LED, CATHODE RAY TUBE OR LIQUID CRYSTAL DISPLAY COMPUTER DISPLAY. ONE NIT IS EQUIVALENT TO ONE CANDELA PER SQUARE METER.

COLOR TEMPERATURE

THE WARMTH OR COOLNESS OF WHITE LIGHT SOURCE ALONG THE BLACK BODY CURVE. THE HIGHER THE COLOR TEMPERATURE (KELVIN (K)) THE COOLER APPEARING (BRIGHTER) THE WHITE LIGHT APPEARS.

Section 28.5 Permanent Signs

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10. Service Station/Fuel Sign

- a. Definition: A permanent, two (2) component, monument style sign displaying the changeable fuel prices, fuel types, name of station, and/or logos.
- b. Quantity: One (1) per street frontage.
- c. Area of Sign: Thirty-two (32) square feet.
- d. Height: Not to exceed six (6) feet from grade.
- e. Location: On private property adjacent to an arterial or collector street only.
- f. Setback: None unless otherwise required.
- g. Illumination: Name and logo of the business may be internally illuminated. Current fuel prices and fuel types may be internally or electronically illuminated ~~by means of LED, provided the light is low intensity. Any constant movement, blinking, flashing, high intensity, or animation caused by an LED is prohibited~~ AND SHALL MEET THE STANDARDS OF SECTION 28.3.B.

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- a. Definition: A monument style or wall sign with changeable copy panels used to display the current movies and times they are playing within the theater.
- b. Quantity: One (1) wall sign and (1) monument style sign allowed.
- c. Area of Sign: Fifty (50) square feet for a monument style sign and sixty-four (64) square feet for a wall sign.
- d. Height: Eight (8) feet for a monument style sign. A wall sign shall not extend above the roofline of a building.
- e. Location: A monument style sign shall be located on private property and a wall sign shall be displayed at the main entrance to the building.
- f. Setback: None unless otherwise required.

- g. Illumination: The sign may be internally illuminated or the copy may be electronically illuminated AND SHALL MEET THE STANDARDS OF SECTION 28.3.B. ~~by means of an LED.~~ The sign may only display the current listing of movies and their times. No other advertising message is allowed. ~~Any constant movement, blinking, flashing, or animation is strictly prohibited.~~ The sign shall be turned off one (1) hour after closing of theater.

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- b. Quantity: One (1) per development project.
- c. Area of Sign: A time and temperature sign may be a component of a monument style sign. Wall signs shall not exceed twenty (20) square feet.
- d. Height: Not to exceed the roofline of a building.
- e. Location: On private property and shall not be located within six hundred (600) feet of another time and temperature sign, not including an analog mounted on a wall.
- f. Illumination: ~~May be illuminated by means of a low intensity LED or other internal light source.~~ SHALL MEET THE STANDARDS OF SECTION 28.3.B.

14. Wall Sign

- a. Definition: Any sign which is fastened, attached, connected, or supported in whole or in part by a building or structure other than a sign structure which is supported wholly by the ground with the exposed face of the sign in a plane parallel to the plane of the wall. A wall sign shall consist of individual character letters (pan channel or reverse pan channel). Only individual logos may utilize cabinet sign type with a translucent sign face. Wall signs may include the name of the business, a trademarked logo, and modifiers, if needed, to further clarify the goods or services available on the premises.
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- c. Area of Sign: For building elevations containing wall signs, a sign may be twenty-four (24) square feet, with no single wall sign containing more than one (1) square foot of sign for each linear foot of building frontage, for a maximum sign area of one hundred fifty (150) square feet. Wall signs for building elevations further than three hundred (300) feet from the street may contain no more than one and one-half (1-1/2) square feet of sign area for each linear foot of frontage, for a maximum sign area of two hundred (200) square feet. Where businesses do not possess individual frontages, each may maintain an individual sign; however, the maximum wall sign square footage shall not be exceeded.
- d. Height: No wall sign shall extend above the roofline of a building.
- e. Location: Shall only be placed on the building elevations or at the main entrance of a business which the sign identifies, and may not project more than eight (8) inches from the wall on which the sign is mounted.
- f. Illumination: Individual letters may be non-illuminated, halo illuminated or internally illuminated. Cabinet- type signs ~~in which only the logo SHALL ONLY emits light THROUGH THE LOGO. The sign may be turned on at 5:00 a.m. and shall be turned off at 11:00 p.m. or when the business closes, whichever is later.~~ THE STANDARDS OF SECTION 28.3.B SHALL APPLY.



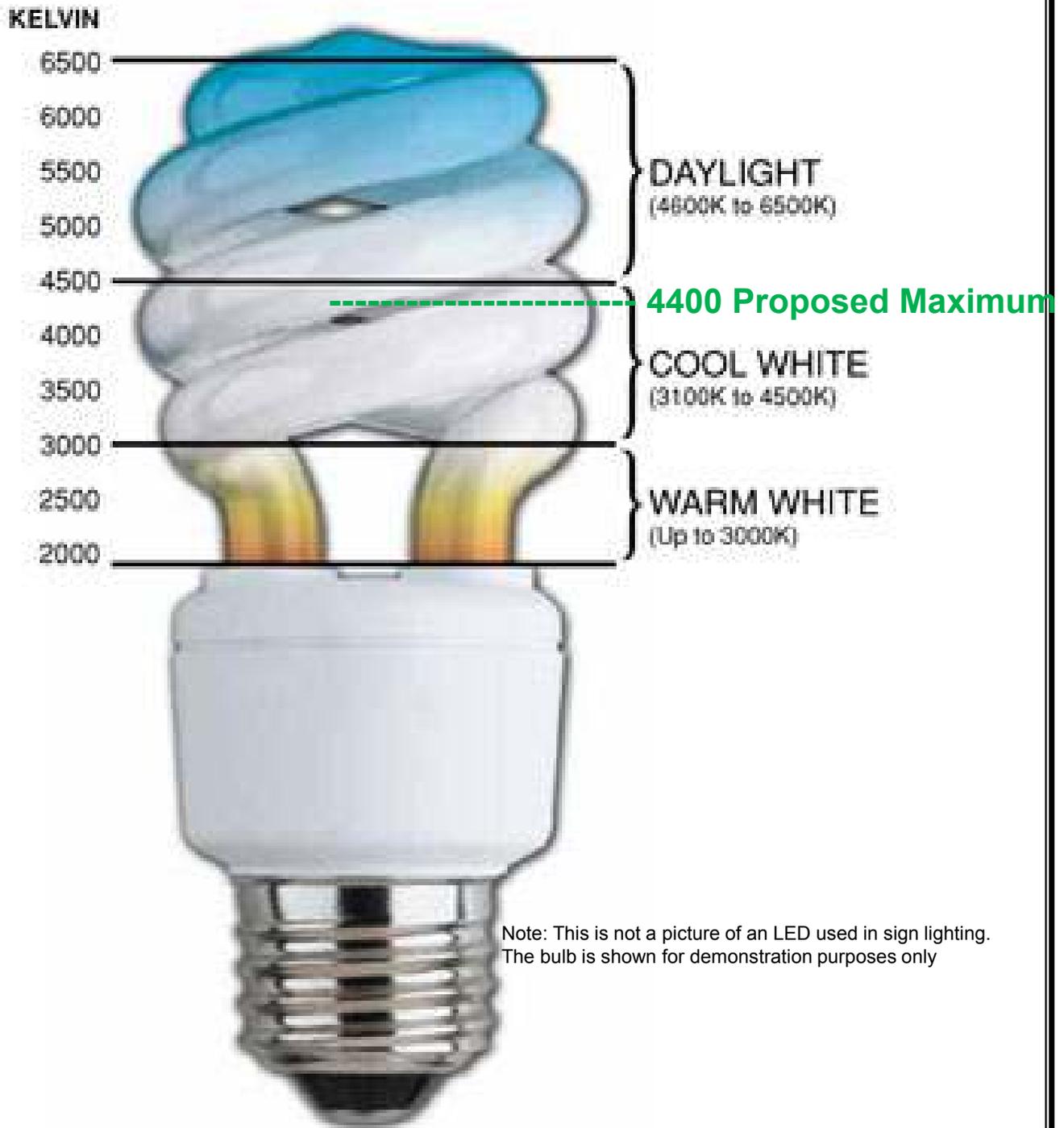
Halo (concealed) illumination



Internal (concealed) illumination

Both types of sign lighting are considered concealed illumination and commonly used in wall signs.





The Kelvin scale of measuring light was established in the late 1800's by British physicist William Kelvin. He heated a block of carbon and the carbon changed color as it heated up, going from a dim red, through various shades of yellow, all the way up to a bright bluish white at its highest temperature



Sign Lighting Code Amendment

Kelvin Measurement Details (OV1500769)

Attachment 3



Message boards such as fuel prices and movie listing signs are made up of groupings of individual exposed LED's that can be manipulated into various messages.

Nit is the measurement standard used to measure the brightness of this type of exposed LED sign



Sign Lighting Code Amendment

Exposed LED Sign Types (OV1500769)
Attachment 4

Attachment 5

Jurisdiction	Signs may not change messages more than:
Pima County	Once per hour with an exception
City of Tucson	Once per hour
Marana	Once every 30 seconds
Town of Sahuarita	Once per minute



Zoning Code Amendment Planning and Zoning Commission Staff Report

SUBJECT: Zoning Code Amendment

CASE NUMBER: OV1500769

MEETING DATE: March 1, 2016

AGENDA ITEM: 3

STAFF CONTACT: Patty Hayes, Senior Planning Technician

Request: Zoning code amendment establishing sign lighting standards

Recommendation: Recommend approval

SUMMARY:

Council has directed staff to establish lighting standards for signs in response to concerns about the increased brightness of illuminated signs. Specifically, newly installed signs are appearing to be brighter than signs of similar size installed in the past. The noticeably brighter signs highlighted the fact that the zoning code does not have specific standards for sign illumination.

The zoning code amendment, in Attachment 1, is intended to provide sign lighting standards while continuing to provide a balance between the need to promote business, public safety and the Town's aesthetic standards.

The proposed standards, in Attachment 1, are based on regional standards established by both the City of Tucson and Pima County in 2012 that were created after extensive stakeholder meetings with sign manufacturers, observatory representatives and dark sky members.

BACKGROUND:

The zoning code does not provide specific standards related to sign brightness. Statements such as "low intensity" are currently written in the code without defined parameters or details about how to achieve the desire for low intensity lighting. This code amendment is intended to provide lighting standards by updating the code to address common sign lighting practices, while maintaining our commitment to preserve the dark night sky.

When researching the regional standards, we learned that in 2012 both the City of Tucson and Pima County jointly revised their outdoor lighting codes to establish standards for sign lighting. As stated in the February 29, 2012 staff report to the Pima County Board of Supervisors (Attachment 2) the 2012 County/City outdoor lighting code was vetted through dozens of public meetings. Starting in 2007 meetings were held with the general public and then with specific stakeholder groups including the observatories and sign associations. A compromise was

worked out among those groups that resulted in sign lighting standards of 4,400 Kelvin and 200 Nits.

Since the City of Tucson/Pima County Outdoor Lighting Code was a joint venture both jurisdictions were involved in the public meeting process. Although it was a joint effort, the lighting code also had to be vetted through each jurisdictions individual process such as the Planning and Zoning Commission, Council and Board of Supervisors.

The Town also looked at sign lighting standards established in other jurisdictions as well as City of Tucson and Pima County. The results are shown in the table below:

Regional Standards

Sign lighting type	Marana	City of Tucson	Pima County	Sahuarita
Wall signs	None	4,400 Kelvin	4,400 Kelvin	4,400 Kelvin
Changeable Copy such as fuel prices, etc.	280 Nits	200 Nits	200 Nits	200 Nits

Staff had hoped to provide a list of signs in the area that could show us what the proposed standards look like in the field. However we could only find permit records from the County that had conditions requiring adherence to the established standards. Attachment 3 is a list of those signs.

DISCUSSION / ANALYSIS:

In recent years the technology used to illuminate signs has changed and resulted in increasingly brighter signs. In the past, neon was the type of lighting used in the letters of many wall signs, but advances in technology has brought light emitting diodes (LED) to the forefront of sign illumination. LED is a much more energy efficient way to illuminate a sign however, LED lit signs have the capability to be built with a brighter whiter light causing the night time view of the sign to be more intense than previously seen in older signs using neon lighting.

Limits on the brightness or color temperature of sign lighting is not currently regulated in the Town's zoning code. While the proposed sign code amendment is written to apply to all sign lighting, the focus of the amendment will be the use of LED.

LED illuminated signs most often include either concealed or exposed sources of illumination. Below is a summary of these types of sign lighting and the proposed standards:

Concealed illumination (commonly used in wall signs)

Concealed illumination means that the light source is hidden behind an opaque material and is commonly used in the letters of wall signs and referred to as halo or internal illumination as shown in Attachment 4. This concealed type of LED lighting is measured in Kelvin temperature. The lower the Kelvin temperature rating the warmer, or more yellow the light appears and the higher the Kelvin temperature rating the cooler, or whiter, the light appears as demonstrated in Attachment 5.

The proposed amendment establishes a maximum of 4,400 Kelvin (K), consistent with the regional standards established in the 2012 Pima County/City of Tucson lighting code. A 4,400K rated sign would allow a business to clearly be identified at night but limit the brightness of their sign to be less intrusive on the human eye and local observatories and prevent overly bright signs.

Exposed illumination (commonly used for fuel prices and movie theater listings)

The use of LED has also become the standard for signs with changeable copy such as fuel prices, time/temperature and movie theater listings shown in Attachment 6. Messages using LED can also create an intense brightness at night and currently the zoning code does not have a limit of this type of sign illumination. The changeable copy (exposed LED) brightness is measured in Nits.

The proposed amendment establishes a maximum of 200 Nits which is the same as the 2012 regional standards and would continue to allow businesses to use LED as a component of their fuel prices and theater signs but within proposed limits.

Enforcement

The proposed sign code amendment includes language to ensure the lighting standards are adhered to only in the permitting phase of a project through documentation from the sign manufacturers. The permitting records will be kept as evidence of compliance with the code.

Please note that this code amendment, if approved, would not have an effect on existing signs in the Town. Existing signs could remain as installed until the sign was replaced at which time the new or replacement sign would have to conform to current codes which would be verified through the permitting process.

GENERAL PLAN COMPLIANCE

The Zoning Code Amendment was reviewed with the standards of the General Plan's Vision, Goals and Policies. Listed below are relevant policies within the General Plan relating to signage in italics, followed by staff commentary:

Signage: Signage controls have to balance citizens concerns about the increasing level of signage with the needs of businesses to attract customers.

Policy 2.1.10: The Town shall create standards for signage to provide information and direction to allow businesses to attract and maintain customers with the least intrusive signage possible.
Policy 11.3.3 The Town shall use existing standards and guidelines, and establish new ones as needed, to ensure that the built environment blends with or enhances the natural environment by restricting signage primarily to identification.

Illuminated signs have long been used to aid in providing direction and identification for businesses beyond the daylight hours. The proposed code amendment does not increase the amount of signage but it establishes balanced standards for allowed illumination. The proposed illumination standards protect the natural environment against overly bright signs by placing a

cap on the amount of light being emitted from a sign while allowing businesses ample lighting for identification.

RECOMMENDATION:

It is recommended that the Planning and Zoning Commission take the following action:

Recommend approval to the Town Council of the proposed Zoning Code amendment (OV1500769) to Chapters 27 and 28 defining sign lighting standards as provided in Attachment 1.

SUGGESTED MOTIONS:

The Planning and Zoning Commission may wish to consider the following suggested motion:

I move to recommend approval of the zoning code amendment to chapter 27 and 28, establishing lighting standards for signs.

Or

I move to recommend denial of the zoning code amendment to chapter 27 and 28, establishing lighting standards for signs, as the request does not meet the finding that _____.

ATTACHMENTS:

1. Proposed Code Amendment
2. Pima County Report
3. Sign Brightness Numbers
4. Sign Lighting Types
5. Kelvin Measurement Details
6. Nit Details

 <for>

Bayer Vella, Planning Manager

New code section in ALL CAPS with code sections to be deleted shown with a ~~strike through~~.

Section 27.5 Outdoor Lighting

B. Applicability

7. SIGN ILLUMINATION SHALL MEET THE STANDARDS OF SECTION 28.3.B.

Section 28.2. Procedures and Enforcement

D. Violations

3. SIGN LIGHTING

- A. DOCUMENTATION FROM THE SIGN AND/OR SIGN LIGHTING MANUFACTURE, PROVING COMPLIANCE WITH THE LIGHTING STANDARDS, SHALL BE REQUIRED AT THE TIME OF PERMIT SUBMITTAL. THOSE DOCUMENTS WILL BE KEPT ON FILE AT THE TOWN AS EVIDENCE OF CODE COMPLIANCE FOR FOLLOW UP INSPECTIONS AND COMPLAINTS.

Section 28.3 General Sign Requirements

B. Illumination

1. Illumination of signs, when permitted by this Chapter, may be accomplished only by the following methods:

a. Halo or internal illumination, to the extent that only the sign characters and logos emit light, unless otherwise approved by the Planning and Zoning Administrator or the Conceptual Design Review Board.

B. SIGN LIGHTING MAY INCLUDE NEON, LIGHT EMITTING DIODES (LED) AND OTHER LIGHT SOURCES, EXCEPT WHERE EXPRESSLY PROHIBITED IN THIS CHAPTER, IN ACCORDANCE WITH THE FOLLOWING STANDARDS:

I. LIGHT SOURCES SHALL BE SPACED THE MAXIMUM DISTANCE TO OBTAIN UNIFORMITY ON THE FACE MATERIAL.

II. COLOR TEMPERATURE SHALL NOT EXCEED 4,400 KELVINS.

c. Illuminated wall signs may be turned on no earlier than 5:00 a.m. and shall be turned off no later than 11:00 p.m. or when the business closes, whichever is later, or as specified in this Chapter.

d. Area lighting provided such lighting is in accordance with the Town of Oro Valley Lighting Code.

~~d. Low intensity LED lighting may be a component of a sign as specified in this Chapter.~~

e. ELECTRONIC MESSAGE BOARDS SUCH AS LED, LCD, PLASMA SCREENS AND SIMILAR ELECTRONIC MESSAGE SIGNS EXPRESSLY PERMITTED IN THIS CHAPTER AS CHANGEABLE COPY SIGNS, SHALL MEET THE FOLLOWING STANDARDS:

I. LIMITED TO 200 NITS (CANDELA PER SQUARE METER), FULL WHITE MODE, FROM SUNSET TO SUNRISE.

II. CONSTANT MOVEMENT, BLINKING, FLASHING, HIGH INTENSITY, OR ANIMATION CAUSED BY AN LED OR OTHER ELECTRONIC COMPONENTS OF THE SIGN IS PROHIBITED.

III. MESSAGE SHALL NOT CHANGE MORE THAN ONCE EVERY 24 HOURS OR AS STATE LAW REQUIRES THE PRICE OF THE PRODUCT TO CHANGE.

IV. BACKGROUND OF CHANGEABLE COPY PORTION OF THE SIGN SHALL BE BLACK AND NO MORE THAN TWO COLORS SHALL ALLOWED FOR WORDS OR NUMBERS.

F. SIGN PLANS SUBMITTED FOR PERMITTING SHALL BE SUFFICIENTLY COMPLETE TO ENABLE THE PLANNING AND ZONING ADMINISTRATOR TO READILY ASCERTAIN CODE COMPLIANCE. THE PLANNING AND ZONING ADMINISTRATOR MAY REQUIRE ADDITIONAL EVIDENCE OF COMPLIANCE SUCH AS CUT SHEETS,

MANUFACTURE SPECIFICATIONS AND DOCUMENTATION FROM THE SIGN AND/OR SIGN LIGHTING MANUFACTURE, PROVING COMPLIANCE WITH THE LIGHTING STANDARDS, WHICH WILL BE KEPT ON FILE AT THE TOWN AS EVIDENCE OF CODE COMPLIANCE FOR FOLLOW UP INSPECTIONS AND COMPLAINTS.

- G. A LABEL MUST BE ATTACHED TO THE EXTERIOR OF SIGN INDICATING COMPLIANCE WITH MAXIMUM KELVIN OR NIT RATING.

2. Prohibited SIGN Lighting

The following types of light sources are prohibited as means to illuminate or attract attention to any sign:

- a. Exposed ~~neon and/or neon type tubing except for "open" and/or "closed" signs~~ LIGHT SOURCE OTHER THAN AS EXPRESSLY PERMITTED IN WINDOW SIGNS SECTION 28.5.B.15 AND AS A COMPONENT OF A CHANGEABLE COPY MESSAGE PERMITTED IN SECTIONS 28.5.B.10, 11 AND 12
- B. LED ILLUMINATED WINDOW SIGN DISPLAY AREAS PER SECTION 28.5.B.15.IV.D.3.
- b. ~~Internal lighting other than that expressly permitted in subsection B.1 of this section.~~
- c. Blinking, flashing, rotating, CONSTANT MOVEMENT and animated light sources.
- d. Search lights.
- e. An illuminated sign placed on the interior of a business which is visible from the exterior shall not be illuminated when the business is closed, except "closed for business" signs.

57. Pan-Channel Letter

A dimensional character fabricated to form a pan (i.e., a back and sides). The pan is formed in the shape of a character. The sides are strips of the same material fastened to the back. The open end of the pan is usually capped by a character cut from translucent acrylic, and is known as the face. ~~Neon or low-voltage lights are then~~ LIGHTING MAY BE installed inside the pan to illuminate the face.

73. Reverse Channel Letter

A sign with dimensional character(s) fabricated from opaque material to form a pan, i.e., a front and sides. The pan is formed in the shape of a character. The sides are strips of material fastened to the front. The back remains open. ~~Neon or low-voltage lights~~ LIGHTING may be installed inside the ~~character~~ PAN which creates a halo illumination

New definitions for Section 28.4:

NIT

A UNIT OF VISIBLE-LIGHT INTENSITY, COMMONLY USED TO SPECIFY THE BRIGHTNESS OF AN LED, CATHODE RAY TUBE OR LIQUID CRYSTAL DISPLAY COMPUTER DISPLAY. ONE NIT IS EQUIVALENT TO ONE CANDELA PER SQUARE METER.

COLOR TEMPERATURE

THE WARMTH OR COOLNESS OF WHITE LIGHT SOURCE ALONG THE BLACK BODY CURVE. THE HIGHER THE COLOR TEMPERATURE (KELVIN (K)) THE COOLER APPEARING (BRIGHTER) THE WHITE LIGHT APPERS.

Section 28.5 Permanent Signs

B. Permanent Signs in a Commercial/Industrial Zoning District.

10. Service Station/Fuel Sign

- a. Definition: A permanent, two (2) component, monument style sign displaying the changeable fuel prices, fuel types, name of station, and/or logos.

- b. Quantity: One (1) per street frontage.
- c. Area of Sign: Thirty-two (32) square feet.
- d. Height: Not to exceed six (6) feet from grade.
- e. Location: On private property adjacent to an arterial or collector street only.
- f. Setback: None unless otherwise required.
- g. Illumination: Name and logo of the business may be internally illuminated. Current fuel prices and fuel types may be internally or electronically illuminated by means of LED, provided the light is low intensity. Any constant movement, blinking, flashing, high intensity, or animation caused by an LED is prohibited. AND SHALL MEET THE STANDARDS OF SECTION 28.3.B.

11. Theater Signs

- a. Definition: A monument style or wall sign with changeable copy panels used to display the current movies and times they are playing within the theater.

- b. Quantity: One (1) wall sign and (1) monument style sign allowed.
- c. Area of Sign: Fifty (50) square feet for a monument style sign and sixty-four (64) square feet for a wall sign.
- d. Height: Eight (8) feet for a monument style sign. A wall sign shall not extend above the roofline of a building.
- e. Location: A monument style sign shall be located on private property and a wall sign shall be displayed at the main entrance to the building.
- f. Setback: None unless otherwise required.
- g. Illumination: The sign may be internally illuminated or the copy may be electronically illuminated AND SHALL MEET THE STANDARDS OF SECTION 28.3.B. ~~by means of an LED.~~ The sign may only display the current listing of movies and their times. No other advertising message is allowed. ~~Any constant movement, blinking, flashing, or animation is strictly prohibited.~~ The sign shall be turned off one (1) hour after closing of theater.

12. Time and Temperature Signs

- a. Definition: An electronically controlled sign that provides the current time and/or temperature.
- b. Quantity: One (1) per development project.
- c. Area of Sign: A time and temperature sign may be a component of a monument style sign. Wall signs shall not exceed twenty (20) square feet.

- d. Height: Not to exceed the roofline of a building.
- e. Location: On private property and shall not be located within six hundred (600) feet of another time and temperature sign, not including an analog mounted on a wall.
- f. Illumination: ~~May be illuminated by means of a low-intensity LED or other internal light source.~~ SHALL MEET THE STANDARDS OF SECTION 28.3.B.

14. Wall Sign

- a. Definition: Any sign which is fastened, attached, connected, or supported in whole or in part by a building or structure other than a sign structure which is supported wholly by the ground with the exposed face of the sign in a plane parallel to the plane of the wall. A wall sign shall consist of individual character letters (pan channel or reverse pan channel). Only individual logos may utilize cabinet sign type with a translucent sign

face. Wall signs may include the name of the business, a trademarked logo, and modifiers, if needed, to further clarify the goods or services available on the premises.

- b. Quantity: No more than two (2) elevations may contain a wall sign. If a single tenant occupies an end unit or entire freestanding building, there may be signs on three (3) elevations, but only two (2) elevations may have illuminated wall signs. "End unit" refers to the end unit of a building in the final phase of a development.
- c. Area of Sign: For building elevations containing wall signs, a sign may be twenty-four (24) square feet, with no single wall sign containing more than one (1) square foot of sign for each linear foot of building frontage, for a maximum sign area of one hundred fifty (150) square feet. Wall signs for building elevations further than three hundred (300) feet from the street may contain no more than one and one-half (1-1/2) square feet of sign area for each linear foot of frontage, for a maximum sign area of two hundred (200) square feet. Where businesses do not possess individual frontages, each may maintain an individual sign; however, the maximum wall sign square footage shall not be exceeded.
- d. Height: No wall sign shall extend above the roofline of a building.
- e. Location: Shall only be placed on the building elevations or at the main entrance of a business which the sign identifies, and may not project more than eight (8) inches from the wall on which the sign is mounted.
- f. Illumination: Individual letters may be non-illuminated, halo illuminated or internally illuminated. Cabinet-type signs in which only the logo SHALL ONLY emits light THROUGH THE LOGO. ~~The sign may be turned on at 5:00 a.m. and shall be turned off at 11:00 p.m. or when the business closes, whichever is later.~~ THE STANDARDS OF SECTION 28.3.B SHALL APPLY.



MAYOR & COUNCIL COMMUNICATION

February 7, 2012

Subject: PUBLIC HEARING Joint City of Tucson/Pima County Page: 1 of 2
Outdoor Lighting Code 2012 Edition (City Wide)

Issue – The Mayor and Council are being asked to adopt the revisions to the Tucson/Pima County Outdoor Lighting Code.

City Manager's Office Recommendation – The City Manager recommends that the Mayor and Council adopt the attached ordinance creating the 2012 Edition of the Tucson/Pima County Outdoor Lighting Code.

Background – The first Outdoor Lighting Code was adopted by the City of Flagstaff in the late 1960's in order to protect the night sky for the adjacent astronomical observatory. The City of Tucson adopted a similar ordinance on June 5, 1971 to provide protection for Kitt Peak Observatory. Subsequently, a new astronomical facility was constructed on Mount Hopkins and the Outdoor Lighting Code has continued to be subject to periodic reviews and updates in 1981, 1985, 1987, 1991, 1994, and 2005. The City of Tucson and Pima County have shared resources in the joint committee since the late 1970's in an effort to maintain the current Outdoor Lighting Code. Marana, Oro Valley, and Sahuarita have adopted codes based on the same principles.

Staff discussed this with Mayor and Council during this afternoon's Study Session and also on November 15, 2011, at a Mayor and Council Study Session.

Present Consideration – The most recent effort from the Tucson/Pima County Joint Outdoor Lighting Code Committee includes the evaluation of new technology impacts on light sources, fixtures, and observation techniques, as well as enforceability of the code. The committee has met with affected stakeholders including the Tucson Metro Chamber of Commerce, Southern Chapter of the Arizona Sign Association, the City of Tucson and Pima County DOT, and representatives of the Tucson Police and Pima County Sheriffs departments to receive comments and address concerns toward the proposed code. Numerous revisions were made to the first draft to address those concerns.

Financial Considerations – No financial impact to the City of Tucson

Operating Cost and Maintenance Input – N/A

FEB07-12-56

ATTACHMENT 2

MAYOR AND COUNCIL COMMUNICATION
PUBLIC HEARING Joint City of Tucson/Pima County Outdoor
Lighting Code 2012 Edition (City Wide)

Page: 2 of 2

Legal Considerations – The attached Ordinance has been approved by the City Attorney's Office as to form.

Respectfully submitted,



Richard Miranda
City Manager

RM/Ernie Duarte/RB/esm
PLANNING AND DEVELOPMENT SERVICES DEPT.

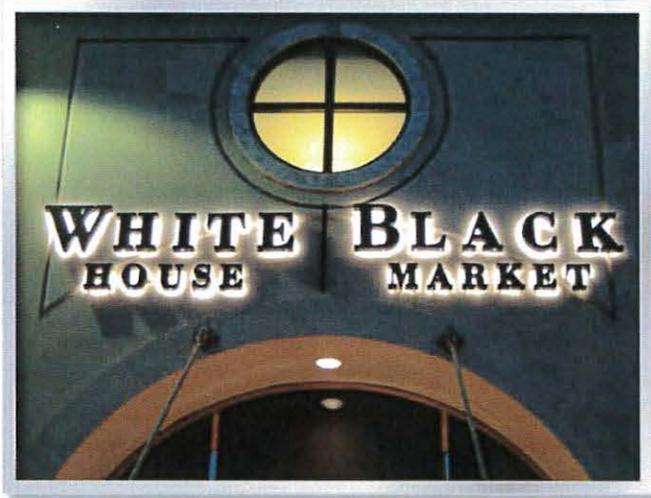
Attachments: Ordinance

FEB07-12-56

ATTACHMENT 2

Attachment 3

<i>Unverified Kelvin temperatures</i>			
Business name and location	Type of sign	Kelvin	Nit
Lowes Ventana Canyon Resort	Wall sign	4,400K	N/A
UpTown Cheapskate Foothills Mall	Wall sign	4,400K	N/A
American Eagles Outfitters	Wall sign	4,400K +	N/A
Measured Nits			
Fry's Gas Station La Canada and Lambert	Monument Fuel Prices	N/A	240
Giant Gas Station Oracle and Pusch View Lane	Monument Fuel Prices	N/A	260
St. Marks Church La Canada/Magee	Monument Message board	N/A	280



Halo (concealed) illumination



Internal (concealed) illumination

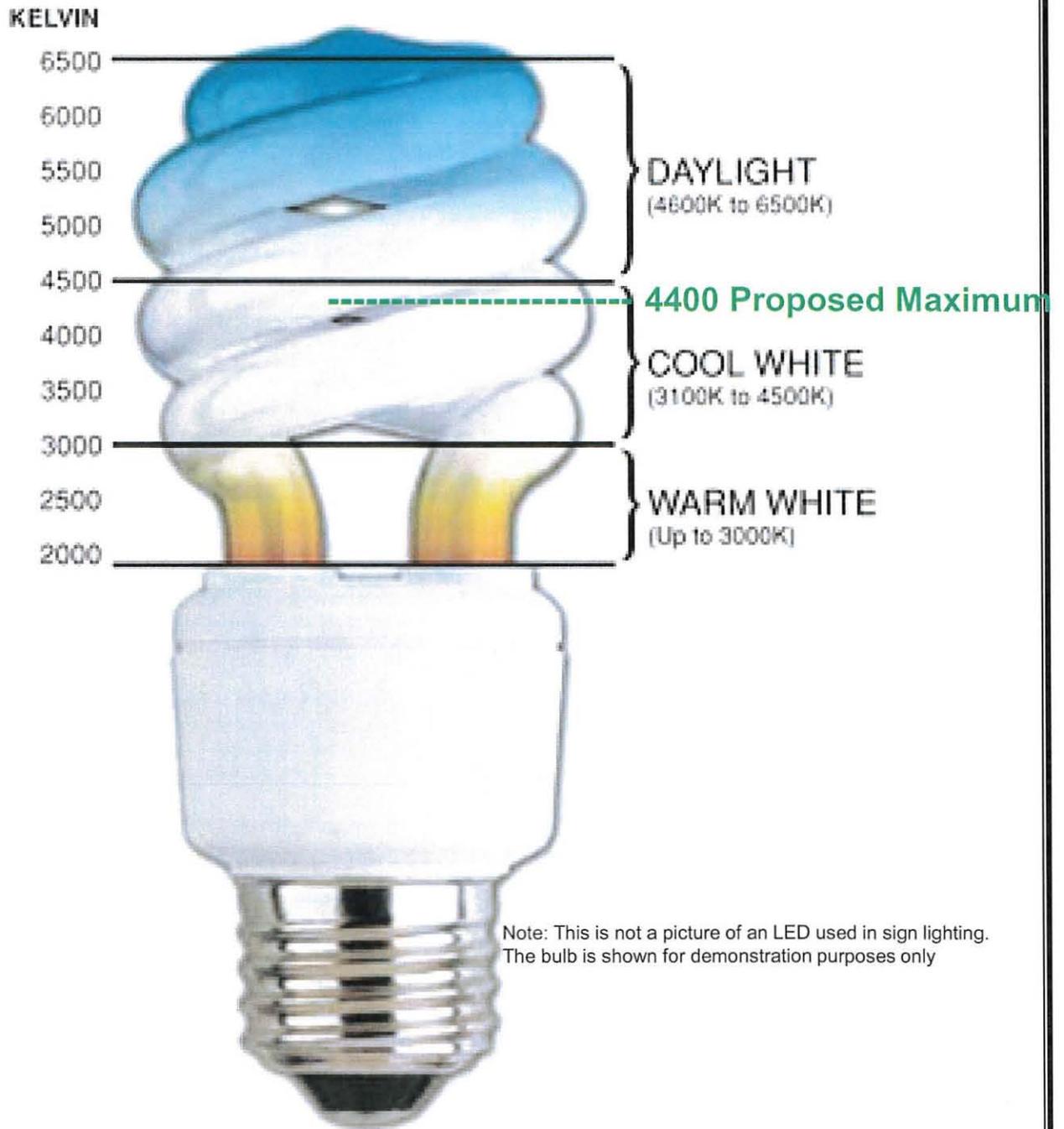
Both types of sign lighting are considered concealed illumination and commonly used in wall signs.



Sign Lighting Code Amendment

Sign Lighting Types (OV1500769)

Attachment 4



The Kelvin scale of measuring light was established in the late 1800's by British physicist William Kelvin. He heated a block of carbon and the carbon changed color as it heated up, going from a dim red, through various shades of yellow, all the way up to a bright bluish white at its highest temperature



Sign Lighting Code Amendment

Kelvin Measurement Details (OV1500769)

Attachment 5



Message boards such as fuel prices and movie listing signs are made up of groupings of individual exposed LED's that can be manipulated into various messages.

Nit is the measurement standard used to measure the brightness of this type of exposed LED sign



Sign Lighting Code Amendment

Nit Details (OV1500769)

Attachment 6

MINUTES
ORO VALLEY PLANNING AND ZONING COMMISSION
REGULAR SESSION
March 1, 2016
ORO VALLEY COUNCIL CHAMBERS
11000 N. LA CAÑADA DRIVE

REGULAR SESSION AT OR AFTER 6:00 PM

CALL TO ORDER

Chair Leedy called the March 1, 2016 Regular Session of the Oro Valley Planning and Zoning Commission meeting to order at 6:00 PM.

ROLL CALL

PRESENT: Greg Hitt, Commissioner
Tom Drzazgowski, Commissioner
Tom Gribb, Commissioner
Charlie Hurt, Vice-Chair
Bill Leedy, Chair

EXCUSED: Melanie Barrett, Commissioner
Bob Swope, Commissioner

ALSO PRESENT: Joe Hornat, Council Member
Lou Waters, Vice-Mayor
Joe Andrews, Chief Civil Deputy Attorney

PLEDGE OF ALLEGIANCE

Chair Leedy led the Planning and Zoning Commission members and audience in the Pledge of Allegiance.

CALL TO AUDIENCE

There were no speaker requests.

COUNCIL LIAISON COMMENTS

Council Member Hornat updated the Planning and Zoning Commission and audience on the following:

January 20th Council Meeting:

- Temporary Sign Code was extended (A-frames and banners)
- Criminal History Box on employment applications proposed to be removed was denied
- Sign Brightness was sent back to staff
- Window signs, there was push to get rid of LED signs
- Veterans Memorial at Naranja Park, a group of citizens would like to place a first responders memorial

February 3rd Council Meeting:

- Signs in the right-of-way

REGULAR SESSION AGENDA

1. REVIEW AND/OR APPROVAL OF THE FEBRUARY 2, 2016 REGULAR SESSION MEETING MINUTES

MOTION: A motion was made by Vice-Chair Hurt and seconded by Commissioner Gribb to approve the February 2, 2016 Regular Session Meeting Minutes.

MOTION carried, 5-0.

2. PUBLIC HEARING: DISCUSSION AND POSSIBLE ACTION REGARDING A TYPE II HOME OCCUPATION FOR A LANDSCAPING BUSINESS AT 11885 N. GRAY EAGLE AVE, OV1600204

Patty Hayes, Zoning Plans Examiner, provided a presentation that included the following:

- Purpose
- Location
- Property
- Proposal
- Conclusion

Brian Ambrose, Applicant, provided a presentation that included the following:

- Overview of the business
- No employees for the business, other than himself
- No equipment will be housed at the residence

Bayer Vella, Planning Manager, commented that the street is public and should a trailer be brought on site it would constitute a zoning violation. This permit would not allow that.

Brian Ambrose, applicant asked the Commission if he was able to park a small landscape trailer in the side yard. There is a fenced in area where a previous boat was

housed. The Home Owner's Association (HOA) wants to make sure it is unseen from the street.

Mr. Vella responded that the code provides the statement that there should be no outdoor, open operations, storage or display of materials. The key part is how much of it is screened from the street and the neighbor's. As long as it's not visible in any form or fashion, it would be allowed.

Chair Leedy opened the public hearing.

Jonathan Oleott, Esq., non-resident of Oro Valley and attorney for the Copper Creek HOA. Mr. Oleott states he has reviewed the application and staff report and would like to put in the record, as long as the applicant proceeds as represented in the application and it conforms to the Covenants, Conditions and Restrictions (CC&R), he has no problems with the proposed application. The HOA would have to validate the trailer issue on its own, he is not prepared at this time to do that.

Dr. Don Cox, Oro Valley resident, stated he does not have a problem the people running small businesses out of their home. It is not really clear at what point do you have to move from your residence to other property that accommodates your business. Dr. Cox's concern that the nature of this business would facilitate equipment trailers and unless the fences around the property are raised up to considerably, it will remain visible from the street. This will have an impact on the property values relative to his being able to sell his home.

Kathleen Nicholson, Oro Valley resident, stated that she has no problem with the application and she wishes Mr. Ambrose good luck.

Brad Smith, Oro Valley resident, stated he supports the proposed application and does not see a problem with a small trailer.

Chair Leedy closes the public hearing.

MOTION: A motion was made by Commissioner Drzazgowski and seconded by Vice-Chair Hurt to approve OV1600204, a Type II Home Occupation Permit for a landscaping business at 11885 N. Gray Eagle Ave., based on the finding that the proposed use is in conformance with the Zoning Code Standards for Type II Home Occupations.

MOTION carried, 5-0.

3. PUBLIC HEARING: DISCUSSION AND POSSIBLE ACTION REGARDING A ZONING CODE AMENDMENT RELATED TO SIGN LIGHTING STANDARDS, OV1500769

Patty Hayes, Zoning Plans Examiner, proved a presentation that included the following:

- Purpose
- Sign Lighting
- Wall Signs with LED lighting
- Kelvin Measurement
- Kelvin Temperature of LED Wall Signs
- Message Board with LED
- Nit Measurements
- Nits for Message Boards with LED
- Enforcement
- General Plan
- Recommendation

Chair Leedy opened the public hearing.

Don Bristow, Oro Valley resident, stated he is in support of the proposal. His concern is with all the change in technology, what if people come up light that is brighter than the LEDs. Does this ordinance give the Town the control should a new light come available?

Bayer Vella, Planning Manager, responded that maybe five years from now we will be having another conversation about standards because there is a new technology. With this adoption and whatever is used will have to meet or approximate that standard. Right now we are focused on the number one source of lighting that is currently being used, which is LED.

Dave Perry, Oro Valley resident and President and CEO of the Greater Oro Valley Chamber of Commerce. Mr. Perry stated he agrees with previous speakers on the proposal and it is much more preferable than some of the suggestions heard by Town Council in regard to night time inspections. He would also like to express his appreciation to staff for exploring other neighboring communities standards. LED is the technology of the future, the technology of right now is better for the planet and less expensive for the merchant to apply to their business. The most important thing in terms of our support regards to the language about enforcement of the code, let's set the standards, confirm at the permit stage and expect the business community to adhere to them.

Chair Leedy closed the public hearing.

MOTION: A motion was made by Commissioner Gribb and seconded by Vice-Chair Hurt to recommend approval of the zoning code amendment to Chapter 27 and 28, establishing lighting standards for signs.

MOTION carried, 4-1 with Commissioner Drzazgowski opposed.

4. PUBLIC HEARING: DISCUSSION AND POSSIBLE ACTION REGARDING A ZONING CODE AMENDMENT RELATED TO MINOR FINAL PLAT AMENDMENTS, OV1600278

Rosevelt Arellano, Senior Planner, provided a presentation that included the following:

- Purpose
- What is a Final Plat?
- What is a Final Plat Amendment?
- Best practices
- Proposed Minor Flat Plat Amendments
- Proposed Administrative Review Criteria
- Summary and Recommendation

Chair Leedy opened the public hearing.

No speakers request.

Chair Leedy closed the public hearing.

MOTION: A motion was made by Commissioner Hitt and seconded by Commissioner Gribb to recommend approval of the Zoning Code Amendment in Attachment 1 related to Final Plat Amendments, based on the finding that the request would enable the Planning and Zoning Administrator the ability to approve limited changes to an approved subdivision plat.

MOTION carried, 5-0.

5. PUBLIC HEARING: DISCUSSION AND POSSIBLE ACTION REGARDING A ZONING CODE AMENDMENT RELATED TO ACCESSORY SUITES, OV1501735

Chad Daines, Principal Planner, provided a presentation that included the following:

- Purpose
- Current Zoning Code
- Goals of Amendment
- Definitions and Development Standards
- General Plan
- Summary and Recommendation

Tom Gansheimer, President of Lennar Homes, representing the applicant, provided the presentation that included the following:

- Multi-Generational Living
- Next Gen, The Home Within A Home

- Floor Plan
- Actual use Lennar have tracked
- Code Amendment to allow a range/cooktop

Chair Leedy opened the public hearing.

No speakers request.

Chair Leedy closed the public hearing.

MOTION: A motion was made by Commissioner Drzazgowski and seconded by Vice-Chair Hurt to recommend approval of the Zoning Code Amendment in Attachment 1 related to Accessory Suites, based on the findings in the staff report with staff's request that minor wording changes can be made without changing the content.

MOTION carried, 5-0.

6. YOUR VOICE, OUR FUTURE PHASE 3 PROJECT UPDATE

Chair Leedy provided the following presentation that included the following:

- Final stages leading up to the vote
- Staff is trying to inspiring voters
- A Your Voice, Our Future document this summer to prepare for voting
- The comments from the community are very positive

PLANNING UPDATE (INFORMATIONAL ONLY)

Bayer Vella, Planning Manager, presented the following presentation that included:

- Town Council, March 2nd Planning items
- Town Council, March 16th meeting has been cancelled
- Planning and Zoning Commission, April 5th meeting, Community Academy Training Session
- Freddy's/ Native Grill and Wings Neighborhood Meeting, March 3rd
- Moore Road and Rancho Vistoso Boulevard Proposed Conceptual Site Plan Neighborhood Meeting, March 23rd

ADJOURNMENT

MOTION: A motion was made by Vice-Chair Hurt and seconded by Commissioner Drzazgowski to adjourn the Planning and Zoning Commission meeting at 7:15 PM.

MOTION carried, 5-0.



Town Council Regular Session

Item # 5.

Meeting Date: 04/06/2016

Requested by: Bayer Vella

Submitted By: Rosevelt Arellano
Development Infrastructure Services

Department: Development Infrastructure Services

Information

SUBJECT:

~~**PUBLIC HEARING: ORDINANCE NO. (O)16-06, AMENDING SECTION 22.9 OF THE ORO VALLEY ZONING CODE REVISED RELATED TO MINOR FINAL PLAT AMENDMENTS (Removed from the agenda on 4/4/16 at 4:45 p.m.)~~

RECOMMENDATION:

The Planning and Zoning Commission has recommended approval of the request as provided in Attachment 1.

EXECUTIVE SUMMARY:

The purpose of this request is to establish a review process and requirements for Minor Final Plat Amendment applications. A minor amendment is a request to modify an approved subdivision plat, which does not change the key components of an approved subdivision design (e.g., open space, lot number and pattern, street configuration, main subdivision access, conditions of approval, etc.).

All amendments to Final Plats follow the same approval process as a new Final Plat. As a result, Town Council reviews and acts on all Final Plat Amendments including road names, technical corrections and boundary adjustments, which are all technical items that are consistently placed on the Town Council consent agenda for approval.

The request (Attachment 1) would identify what minor amendments could be administratively approved by the planning and zoning administrator and what significant amendments require Town Council approval. This request is consistent with the best practices commonly found in other Arizona communities (Attachment 2).

The request was considered and recommended for approval by the Planning and Zoning Commission on March 1, 2016.

BACKGROUND OR DETAILED INFORMATION:

Final Plat Amendments currently follow the same approval process as a new Final Plat through Town Council action. The ability to administratively approve a Minor Final Plat Amendment is a common practice found in most Arizona communities. For this reason, a code amendment was included as a top priority on the 2015 Planning Division Work Plan to address this issue (Attachment 3).

Definition of a Minor Final Plat Amendment

The request (Attachment 1) would enable the planning and zoning administrator the ability to administratively approve limited amendments to a Final Plat as follows:

1. Scrivener's errors, which are unintentional clerical mistakes made during the drafting, publishing or copying process. Scrivener's errors include corrected courses, distances, monumentations, property information, updated street names, and similar technical items
2. Adjustments to utility easements and building pads
3. Property line modifications with concurrence from all affected parties
4. Adjustments to floodplain and erosion hazard boundaries approved by the town engineer
5. Driveway relocations approved by the town engineer

The proposed amendment will allow minor, common sense changes to be administratively approved by the planning and zoning administrator. These administrative changes will result in a more efficient process to correct technical errors and other non-material changes in a manner which is commonly found in other Arizona communities.

Minor Final Plat Amendment Review Criteria

The request would establish the following review criteria to be used by the planning and zoning administrator in the evaluation of minor amendments:

1. Must be in substantial conformance with the approved subdivision design (e.g. lot number and pattern, street configuration, subdivision boundary, etc.)
2. No material changes to the terms or conditions of the approved Final Plat
3. No changes to open space designation
4. No adverse impacts to an adjacent property as determined by the planning and zoning administrator and/or town engineer

The goal of the proposed review criteria is to maintain the key elements of an approved subdivision design, such as open space, lot number and pattern, street configuration, main subdivision access and conditions of approval. The proposed criteria will ensure Minor Final Plat Amendments are in substantial conformance with the approved subdivision plat and do not result in an adverse impact to adjoining properties.

Public Notification and Comment

Public notice has been provided as follows:

- All HOAs in the Town

- Public hearing notice was posted:
 - In the Territorial newspaper
 - At Town Hall
 - On the Town website

General Plan Compliance

There are no specific policies in the General Plan relative to the request.

Planning and Zoning Commission Action

The request was heard by the Planning and Zoning Commission on March 1, 2016. The discussion at the public hearing focused on the proposed definition and review criteria for Minor Final Plat Amendments.

At the conclusion of the public hearing, the commission recommended approval based on the finding that the request would enable the planning and zoning administrator the ability to approve minor amendments to an approved Final Plat. The Planning and Zoning Commission staff report and minutes are provided as Attachments 4 and 5 respectively.

FISCAL IMPACT:

N/A

SUGGESTED MOTION:

I MOVE to adopt Ordinance No. (O)16-06, amending Section 22.9 of the Oro Valley Zoning Code relative to Minor Final Plat Amendments, finding the amendment would allow the ability to approve minor changes which are consistent with the approved subdivision plat.

OR

I MOVE to deny Ordinance No. (O)16-06, amending 22.9 of the Oro Valley Zoning Code relative to Minor Final Plat Amendments, finding

Attachments

Attachment 1 - (O)16-06 Zoning Code Amendment related to Minor Final Plat Amendments

Attachment 2 - Other Jurisdictions Criteria

Attachment 3 - Planning Work Plan

Attachment 4 - Planning and Zoning Commission Staff Report

Attachment 5 - Planning and Zoning Commission Minutes

ORDINANCE NO. (O)16-06

AN ORDINANCE OF THE TOWN OF ORO VALLEY, ARIZONA, AMENDING CHAPTER 22, REVIEW AND APPROVAL PROCEDURES, SECTION 22.9.F, FINAL PLAT, OF THE ORO VALLEY ZONING CODE REVISED RELATED TO MINOR FINAL PLAT AMENDMENTS; REPEALING ALL RESOLUTIONS, ORDINANCES AND RULES OF THE TOWN OF ORO VALLEY IN CONFLICT THEREWITH; PRESERVING THE RIGHTS AND DUTIES THAT HAVE ALREADY MATURED AND PROCEEDINGS THAT HAVE ALREADY BEGUN THEREUNDER

WHEREAS, on March 13, 1981, the Mayor and Council approved Ordinance (O)81-58, which adopted that certain document entitled “Oro Valley Zoning Code Revised (OVZCR); and

WHEREAS, it is necessary to amend Chapter 22, Review and Approval Procedures, Section 22.9.F, Final Plats, to establish a formal review process and requirement for Minor Final Plat Amendment applications; and

WHEREAS, a minor amendment is a request to modify an approved subdivision plat; and

WHEREAS, the proposed amendment would establish criteria within the existing zoning provisions to determine what constitutes a Minor Final Plat Amendment which could be administratively approved by the Planning and Zoning Administrator; and

WHEREAS, the Planning and Zoning Commission held a meeting on March 1, 2016 and voted to recommend approval of amending Chapter 22, Review and Approval Procedures, Section 22.9.F, Final Plat; and

WHEREAS, the Mayor and Council have considered the proposed amendment to Chapter 22, Review and Approval Procedures, Section 22.9.F, Final Plat and finds that it is consistent with the Town's General Plan and other Town ordinances and are in the best interest of the Town.

NOW, THEREFORE, BE IT ORDAINED by the Mayor and Town Council of the Town of Oro Valley that:

SECTION 1. that certain document entitled Chapter 22, Review and Approval Procedures, Section 22.9.F, Final Plat, of the Oro Valley Zoning Code Revised, attached hereto as Exhibit “A” and incorporated herein by this reference, establishing a formal review process and requirement for Minor Final Plat Amendment applications is hereby approved and declared a public record on April 6, 2016 is hereby adopted

SECTION 2. All Oro Valley ordinances, resolutions or motions and parts of ordinances, resolutions or motions of the Council in conflict with the provision of this Ordinance are hereby repealed.

SECTION 3. If any section, subsection, sentence, clause, phrase, or portion of the resolution or any part of the General Plan Amendment adopted herein is for any reason held to be invalid or

unconstitutional by the decision of any court of competent jurisdiction, such decision shall not affect the validity of the remaining portions thereof.

PASSED AND ADOPTED by the Mayor and Council of the Town of Oro Valley, Arizona this 6th day of April, 2016.

TOWN OF ORO VALLEY

Dr. Satish I. Hiremath, Mayor

APPROVED AS TO FORM:

Tobin Sidles, Legal Services Director

ATTEST:

Julie K. Bower, Town Clerk

Date: _____

Date: _____

EXHIBIT “A”

Zoning Code Amendment Proposed Text

Additions shown in ALL CAPS

SECTION 22.9.F.8 FINAL PLAT AMENDMENTS

THE PLANNING AND ZONING ADMINISTRATOR SHALL BE PERMITTED TO APPROVE MINOR PLAT AMENDMENTS ACCORDING TO THE FOLLOWING:

A. MINOR PLAT AMENDMENTS INCLUDE:

- I. SCRIVENER'S ERRORS WHICH ARE UNINTENTIONAL CLERICAL MISTAKES MADE DURING THE DRAFTING, PUBLISHING OR COPYING PROCESS. SCRIVENER'S ERRORS INCLUDE CORRECTED COURSES, DISTANCES, MONUMENTATIONS, PROPERTY INFORMATION, UPDATED STREET NAMES, AND SIMILAR TECHNICAL ITEMS.
- II. ADJUSTMENTS TO UTILITY EASEMENTS AND BUILDING PADS.
- III. PROPERTY LINE MODIFICATIONS WITH CONCURRENCE FROM ALL AFFECTED PARTIES.
- IV. ADJUSTMENTS TO FLOODPLAIN AND EROSION HAZARD BOUNDARIES AS APPROVED BY THE TOWN ENGINEER.
- V. DRIVEWAY RELOCATIONS AS APPROVED BY THE TOWN ENGINEER.

B. REVIEW

CRITERIA TO EVALUATE MINOR PLAT AMENDMENTS INCLUDE:

- I. MUST BE IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED SUBDIVISION DESIGN (E.G., LOT NUMBER AND PATTERN, STREET CONFIGURATION, SUBDIVISION BOUNDARY, ETC.).
- II. NO MATERIAL CHANGES TO THE TERMS OR CONDITIONS OF THE APPROVED FINAL PLAT.
- III. NO CHANGES TO OPEN SPACE DESIGNATION.
- IV. NO ADVERSE IMPACTS TO AN ADJACENT PROPERTY, AS DETERMINED BY THE PLANNING AND ZONING ADMINISTRATOR AND/OR TOWN ENGINEER.

C. DECISION AND FINDINGS

- I. IF IT IS DETERMINED THAT THE PROPOSED FINAL PLAT AMENDMENT COMPLIES WITH THE MINIMUM REQUIREMENTS OF THIS SECTION, THE APPROVED AMENDMENT SHALL BE SENT TO THE PIMA COUNTY RECORDER'S OFFICE FOR RECORDATION.
- II. IF IT IS DETERMINED THAT THE PROPOSED FINAL PLAT AMENDMENT DOES NOT COMPLY WITH THE MINIMUM REQUIREMENTS OF THIS

SECTION, A LETTER OF DENIAL SHALL BE ISSUED TO THE APPLICANT INFORMING THEM THAT THE REQUEST REQUIRES A TOWN COUNCIL APPROVAL IN ACCORDANCE WITH SECTION 22.9.F.7 OF THE ZONING CODE.

Review Criteria Summary Table
Minor Final Plat Amendment Review Criteria
April 6, 2016, Town Council

	<i>Scrivenor's errors</i>	<i>Adjustments to building pads and utility easement</i>	<i>Property line modifications (no new lots)</i>	<i>Adjustments to floodplain and erosion hazard boundaries</i>	<i>Driveway relocations</i>
Casa Grande	X	X	X	n/a	n/a
Mesa	X	X	X	X	X
Phoenix	X	X	X	X	X
Scottsdale	X	n/a	X	X	n/a
Tucson	X	X	X	X	n/a

X = Allows administrative approval
n/a = Not shown on subdivision plats

ATTACHMENT 1 - PLANNING WORK PLAN FY 15/16 - 16/17

Planning and Zoning Commission Recommended Draft April 7, 2015

PROJECT	POLICY REF	SOURCE	TIMEFRAME / RESOURCES	PRIORITY	DESCRIPTION
1. GENERAL PLAN UPDATE (Your Voice, Our Future)	ARS 9-461.06	General Plan State Law 2013 Strategic Plan	2013 - 2016 / Staff	HIGH	Background Studies Surveys and Communications Committee Work Draft Plan & Ratification
2. THE DISTRICT	Goal 9.1 9.1.5 & 9.1.6	WP 13-15 YVOF - GP Update 2013 & 2015 Strategic Plans	Winter 2015 / Staff	HIGH	Stakeholder Outreach Design / Draft Plan Code Implementation, including overlay
2a. FORM BASED CODE (To implem. The District)	1.1.1 1.3.4	WP 13-15	Spring 2016 / Staff	HIGH	Determine Viability Evaluate Alternatives Code Implementation
2b. COMPLETE STREETS POLICY (To implem. The District and for use in other areas)	1.3.6 & 5.1.5 Goal 5.1 Goal 5.6	2013 & 2015 Strategic Plans	Fall 2016 / Staff	HIGH	Research Best Practices Develop Policy Code Implementation
2c. MIXED USE (To implem. The District and for use in other areas)	1.3.3 & 1.3.4	WP 13-15	Spring 2016/ Staff	HIGH	Determine Viability Evaluate Alternatives Code Implementation
3. ARROYO GRANDE TANGERINE 550	3.1.3	WP 10-12 2013 & 2015 Strategic Plans	Unknown / Staff	HIGH*	Pending Council direction and State's readiness to act

*Becomes priority
upon Council
direction

ATTACHMENT 1 - PLANNING WORK PLAN FY 15/16 - 16/17

Planning and Zoning Commission Recommended Draft April 7, 2015

PROJECT	POLICY REF	SOURCE	TIMEFRAME / RESOURCES	PRIORITY	DESCRIPTION
4. ZONING CODE AMENDMENTS					
a. Parking	2015 Strategic	WP 13-15	Fall 2016 Staff	MEDIUM	Update categories and ratios
b. Permitted Use Table	2015 Strategic	New	Fall 2016 Staff	MEDIUM	Update use listings in all districts
c. Conditional Use Permits	2015 Strategic	WP 13-15	Fall 2015 Staff	MEDIUM	Evaluation Criteria, uses and process
d. Senior Care	7.1.3 & 7.2.4	WP 13-15	Summ 15 Staff	MEDIUM	Definitions and development standards
e. Minor Plat Amendment	2015 Strategic	WP 13-15	Fall 2015 Staff	LOW	Establish formal process and req's
f. Setback Projections	2015 Strategic	WP 13-15	Sprg 16 Staff	LOW	Address projections comprehensively
g. Wireless Facilities	Goal 2.1	WP 13-15	Sprg 15 Staff	LOW	Clarify stealth req's, update per fed law
h. Minor Setback Reduct	2015 Strategic	WP 13-15	Sprg 17 Staff	LOW	Establish process for minor adjust's
					ATTACHMENT 1



Code Amendment for Minor Final Plat Amendments Planning and Zoning Commission Staff Report

CASE NUMBER: OV1600278
MEETING DATE: March 1, 2016
AGENDA ITEM: 4
STAFF CONTACT: Rosevelt Arellano, Senior Planner
rarellano@orovalleyaz.gov (520) 229-4817

Request: Zoning Code Amendment related to Minor Final Plat Amendments
Recommendation: Recommend approval

SUMMARY:

The purpose of this code amendment is to establish a formal review process and requirements for Minor Final Plat Amendment applications. A minor amendment is a request to modify an approved subdivision plat, which does not affect the key components of an approved subdivision design, such as lot number and pattern, street configuration, open space and main access.

Section 22.9.F of the Zoning Code establishes the process and requirements related to subdivision plat approval. The existing zoning provisions do not provide any clear process nor requirements for Minor Final Plat Amendments, which are currently processed according to administrative policy.

A recent case has illuminated the need to evaluate the current administrative policy due to the Town's exposure to potential lawsuits. Subsequently, the Planning Division Work Plan approved in 2015 included an item to establish zoning requirements for Minor Final Plat Amendments.

The proposed code amendment (Attachment 1) would establish criteria within the existing zoning provisions to determine what constitutes a Minor Final Plat Amendment and therefore could be administratively approved by the Planning and Zoning Administrator.

BACKGROUND:

The review of the Town's Minor Final Plat Amendment applications is one of the top priorities of the Planning Division Work Plan (Attachment 2). The goal of this work plan item is to establish the formal review process and criteria for Minor Final Plat Amendments. This would then reduce the Town's liability related to the administrative review and approval process.

**Zoning Code Amendment – Minor Final Plat Amendments
Planning and Zoning Commission Staff Report**

Page 2 of 4

Timeline

Below is a timeline of key dates regarding the proposed code amendment:

- 2011: Subdivision regulations approved by Town Council
- February 2015: Minor Final Plat Amendment case illuminates the need for establishing a formal review process and requirements
- May 2015: Town Council approves Planning Division Work Plan directing staff to evaluate the Minor Final Plat Amendment application process

DISCUSSION/ANALYSIS:

The proposed code amendment (Attachment 1) would enable the Planning and Zoning Administrator the ability to administratively approve limited changes to an approved subdivision plat when the applicant's request meets the minimum requirements, summarized below.

The proposed code amendment is based on staff's review and analysis of numerous jurisdictions and associated review criteria. Attachment 3 includes a summary that represents a range of approaches related to the proposed code amendment.

Final Plat Amendments which do not meet the below requirements shall be processed as a Major Final Plat Amendment and require Town Council approval.

Definition of a Minor Final Plat Amendment

The proposed code amendment (Attachment 1) would allow the following changes to an approved subdivision plat to be administratively reviewed and approved:

1. Scrivener's errors which are unintentional clerical mistakes made during the drafting, publishing or copying process. Scrivener's errors include corrected courses, distances, monumentations, property information, updated street names, and similar technical items.
2. Adjustments to utility easements and building pads.
3. Property line modifications with concurrence from all affected parties.
4. Adjustments to floodplain and erosion hazard boundaries as approved by the Town Engineer.
5. Driveway relocations as approved by the Town Engineer.

Staff Comment: The proposed code amendment will enable the Planning and Zoning Administrator the ability to approve minor, common sense changes to an approved subdivision plat. This will allow an efficient process to correct clerical errors and other non-material changes, such as adjustments to utility easements and shared property lines.

Minor Final Plat Amendment Review Criteria

The proposed code amendment would establish the following review criteria:

1. *Must be in substantial conformance with the approved subdivision design (e.g., lot number and pattern, street configuration, subdivision boundary, etc.).*
2. *No material changes to the terms or conditions of the approved Final Plat.*
3. *No changes to open space designation.*
4. *No direct impacts to an adjacent property as determined by the Planning and Zoning Administrator and/or Town Engineer.*

Staff Comment: The goal of the proposed review criteria is to maintain the key elements of an approved subdivision design, such as open space, lot number and pattern, street configuration and main access. The proposed criteria represents a reasonable and substantial code update that will ensure Minor Final Plat Amendments are in substantial conformance with the approved subdivision plat and do not have direct impacts to adjacent properties.

SUMMARY:

In summary, the proposed code amendment will enable the Planning and Zoning Administrator the ability to approve Minor Final Plat Amendments, while providing appropriate restrictions to ensure that the key design elements, terms and conditions of the approved subdivision plat are maintained.

GENERAL PLAN COMPLIANCE:

The General Plan does not contain any goals or policies which provide specific guidance on the proposed amendment.

PUBLIC PARTICIPATION:

Public notice has been provided as follows:

- All HOAs in the Town were notified of this hearing
 - Public hearing notice was posted:
 - In the Territorial newspaper
 - At Town hall
 - On the Town website
-

RECOMMENDATION:

Based on the following findings:

**Zoning Code Amendment – Minor Final Plat Amendments
Planning and Zoning Commission Staff Report**

Page 4 of 4

- The proposed amendment would enable the Planning and Zoning Administrator the ability to approve limited changes to an approved subdivision plat and require significant changes to be considered by the Town Council only.
- The proposed amendment would reduce the Town's liability related to the administrative review and approval of Minor Final Plat Amendments.
- The proposed amendment establishes appropriate restrictions to ensure that the key design elements, terms and conditions of the approved subdivision plat are maintained.

It is recommended that the Planning and Zoning Commission take the following action:

Recommend approval to the Town Council of the requested Zoning Code Amendment OV1600278.

SUGGESTED MOTIONS:

The Planning and Zoning Commission may wish to consider the following suggested motion:

I move to recommend approval of the Zoning Code Amendment in Attachment 1 related to Final Plat Amendments, based on the finding that the request would enable the Planning and Zoning Administrator the ability to approve limited changes to an approved subdivision plat.

OR

I move to recommend denial of the Zoning Code Amendment in Attachment 1 related to Final Plat Amendments, as the request does not meet the finding that _____.

ATTACHMENTS:

1. Proposed Code Amendment
2. 2015 Planning Division Work Plan
3. Review Criteria Table

 (for)

Bayer Vella, Planning Manager

**MINUTES
ORO VALLEY PLANNING AND ZONING COMMISSION
REGULAR SESSION
March 1, 2016
ORO VALLEY COUNCIL CHAMBERS
11000 N. LA CAÑADA DRIVE**

REGULAR SESSION AT OR AFTER 6:00 PM

CALL TO ORDER

Chair Leedy called the March 1, 2016 Regular Session of the Oro Valley Planning and Zoning Commission meeting to order at 6:00 PM.

ROLL CALL

PRESENT: Greg Hitt, Commissioner
Tom Drzazgowski, Commissioner
Tom Gribb, Commissioner
Charlie Hurt, Vice-Chair
Bill Leedy, Chair

EXCUSED: Melanie Barrett, Commissioner
Bob Swope, Commissioner

ALSO PRESENT: Joe Hornat, Council Member
Lou Waters, Vice-Mayor
Joe Andrews, Chief Civil Deputy Attorney

PLEDGE OF ALLEGIANCE

Chair Leedy led the Planning and Zoning Commission members and audience in the Pledge of Allegiance.

CALL TO AUDIENCE

There were no speaker requests.

COUNCIL LIAISON COMMENTS

Council Member Hornat updated the Planning and Zoning Commission and audience on the following:

January 20th Council Meeting:

- Temporary Sign Code was extended (A-frames and banners)
- Criminal History Box on employment applications proposed to be removed was denied
- Sign Brightness was sent back to staff
- Window signs, there was push to get rid of LED signs
- Veterans Memorial at Naranja Park, a group of citizens would like to place a first responders memorial

February 3rd Council Meeting:

- Signs in the right-of-way

REGULAR SESSION AGENDA

1. REVIEW AND/OR APPROVAL OF THE FEBRUARY 2, 2016 REGULAR SESSION MEETING MINUTES

MOTION: A motion was made by Vice-Chair Hurt and seconded by Commissioner Gribb to approve the February 2, 2016 Regular Session Meeting Minutes.

MOTION carried, 5-0.

2. PUBLIC HEARING: DISCUSSION AND POSSIBLE ACTION REGARDING A TYPE II HOME OCCUPATION FOR A LANDSCAPING BUSINESS AT 11885 N. GRAY EAGLE AVE, OV1600204

Patty Hayes, Zoning Plans Examiner, provided a presentation that included the following:

- Purpose
- Location
- Property
- Proposal
- Conclusion

Brian Ambrose, Applicant, provided a presentation that included the following:

- Overview of the business
- No employees for the business, other than himself
- No equipment will be housed at the residence

Bayer Vella, Planning Manager, commented that the street is public and should a trailer be brought on site it would constitute a zoning violation. This permit would not allow that.

Brian Ambrose, applicant asked the Commission if he was able to park a small landscape trailer in the side yard. There is a fenced in area where a previous boat was

housed. The Home Owner's Association (HOA) wants to make sure it is unseen from the street.

Mr. Vella responded that the code provides the statement that there should be no outdoor, open operations, storage or display of materials. The key part is how much of it is screened from the street and the neighbor's. As long as it's not visible in any form or fashion, it would be allowed.

Chair Leedy opened the public hearing.

Jonathan Oleott, Esq., non-resident of Oro Valley and attorney for the Copper Creek HOA. Mr. Oleott states he has reviewed the application and staff report and would like to put in the record, as long as the applicant proceeds as represented in the application and it conforms to the Covenants, Conditions and Restrictions (CC&R), he has no problems with the proposed application. The HOA would have to validate the trailer issue on its own, he is not prepared at this time to do that.

Dr. Don Cox, Oro Valley resident, stated he does not have a problem the people running small businesses out of their home. It is not really clear at what point do you have to move from your residence to other property that accommodates your business. Dr. Cox's concern that the nature of this business would facilitate equipment trailers and unless the fences around the property are raised up to considerably, it will remain visible from the street. This will have an impact on the property values relative to his being able to sell his home.

Kathleen Nicholson, Oro Valley resident, stated that she has no problem with the application and she wishes Mr. Ambrose good luck.

Brad Smith, Oro Valley resident, stated he supports the proposed application and does not see a problem with a small trailer.

Chair Leedy closes the public hearing.

MOTION: A motion was made by Commissioner Drzazgowski and seconded by Vice-Chair Hurt to approve OV1600204, a Type II Home Occupation Permit for a landscaping business at 11885 N. Gray Eagle Ave., based on the finding that the proposed use is in conformance with the Zoning Code Standards for Type II Home Occupations.

MOTION carried, 5-0.

3. PUBLIC HEARING: DISCUSSION AND POSSIBLE ACTION REGARDING A ZONING CODE AMENDMENT RELATED TO SIGN LIGHTING STANDARDS, OV1500769

Patty Hayes, Zoning Plans Examiner, proved a presentation that included the following:

- Purpose
- Sign Lighting
- Wall Signs with LED lighting
- Kelvin Measurement
- Kelvin Temperature of LED Wall Signs
- Message Board with LED
- Nit Measurements
- Nits for Message Boards with LED
- Enforcement
- General Plan
- Recommendation

Chair Leedy opened the public hearing.

Don Bristow, Oro Valley resident, stated he is in support of the proposal. His concern is with all the change in technology, what if people come up light that is brighter than the LEDs. Does this ordinance give the Town the control should a new light come available?

Bayer Vella, Planning Manager, responded that maybe five years from now we will be having another conversation about standards because there is a new technology. With this adoption and whatever is used will have to meet or approximate that standard. Right now we are focused on the number one source of lighting that is currently being used, which is LED.

Dave Perry, Oro Valley resident and President and CEO of the Greater Oro Valley Chamber of Commerce. Mr. Perry stated he agrees with previous speakers on the proposal and it is much more preferable than some of the suggestions heard by Town Council in regard to night time inspections. He would also like to express his appreciation to staff for exploring other neighboring communities standards. LED is the technology of the future, the technology of right now is better for the planet and less expensive for the merchant to apply to their business. The most important thing in terms of our support regards to the language about enforcement of the code, let's set the standards, confirm at the permit stage and expect the business community to adhere to them.

Chair Leedy closed the public hearing.

MOTION: A motion was made by Commissioner Gribb and seconded by Vice-Chair Hurt to recommend approval of the zoning code amendment to Chapter 27 and 28, establishing lighting standards for signs.

MOTION carried, 4-1 with Commissioner Drzazgowski opposed.

4. PUBLIC HEARING: DISCUSSION AND POSSIBLE ACTION REGARDING A ZONING CODE AMENDMENT RELATED TO MINOR FINAL PLAT AMENDMENTS, OV1600278

Rosevelt Arellano, Senior Planner, provided a presentation that included the following:

- Purpose
- What is a Final Plat?
- What is a Final Plat Amendment?
- Best practices
- Proposed Minor Flat Plat Amendments
- Proposed Administrative Review Criteria
- Summary and Recommendation

Chair Leedy opened the public hearing.

No speakers request.

Chair Leedy closed the public hearing.

MOTION: A motion was made by Commissioner Hitt and seconded by Commissioner Gribb to recommend approval of the Zoning Code Amendment in Attachment 1 related to Final Plat Amendments, based on the finding that the request would enable the Planning and Zoning Administrator the ability to approve limited changes to an approved subdivision plat.

MOTION carried, 5-0.

5. PUBLIC HEARING: DISCUSSION AND POSSIBLE ACTION REGARDING A ZONING CODE AMENDMENT RELATED TO ACCESSORY SUITES, OV1501735

Chad Daines, Principal Planner, provided a presentation that included the following:

- Purpose
- Current Zoning Code
- Goals of Amendment
- Definitions and Development Standards
- General Plan
- Summary and Recommendation

Tom Gansheimer, President of Lennar Homes, representing the applicant, provided the presentation that included the following:

- Multi-Generational Living
- Next Gen, The Home Within A Home

- Floor Plan
- Actual use Lennar have tracked
- Code Amendment to allow a range/cooktop

Chair Leedy opened the public hearing.

No speakers request.

Chair Leedy closed the public hearing.

MOTION: A motion was made by Commissioner Drzazgowski and seconded by Vice-Chair Hurt to recommend approval of the Zoning Code Amendment in Attachment 1 related to Accessory Suites, based on the findings in the staff report with staff's request that minor wording changes can be made without changing the content.

MOTION carried, 5-0.

6. YOUR VOICE, OUR FUTURE PHASE 3 PROJECT UPDATE

Chair Leedy provided the following presentation that included the following:

- Final stages leading up to the vote
- Staff is trying to inspiring voters
- A Your Voice, Our Future document this summer to prepare for voting
- The comments from the community are very positive

PLANNING UPDATE (INFORMATIONAL ONLY)

Bayer Vella, Planning Manager, presented the following presentation that included:

- Town Council, March 2nd Planning items
- Town Council, March 16th meeting has been cancelled
- Planning and Zoning Commission, April 5th meeting, Community Academy Training Session
- Freddy's/ Native Grill and Wings Neighborhood Meeting, March 3rd
- Moore Road and Rancho Vistoso Boulevard Proposed Conceptual Site Plan Neighborhood Meeting, March 23rd

ADJOURNMENT

MOTION: A motion was made by Vice-Chair Hurt and seconded by Commissioner Drzazgowski to adjourn the Planning and Zoning Commission meeting at 7:15 PM.

MOTION carried, 5-0.



Town Council Regular Session

Item # 6.

Meeting Date: 04/06/2016

Requested by: Councilmember Zinkin & Councilmember Burns

Submitted By: Julie Bower, Town Clerk's Office

Department: Town Clerk's Office

Information

SUBJECT:

DISCUSSION AND POSSIBLE DIRECTION REGARDING AN ORDINANCE
ELIMINATING ENGINE BRAKING IN THE TOWN LIMITS OF ORO VALLEY

RECOMMENDATION:

N/A

EXECUTIVE SUMMARY:

Councilmember Zinkin and Councilmember Burns have requested that the item be placed on the agenda for discussion.

BACKGROUND OR DETAILED INFORMATION:

N/A

FISCAL IMPACT:

N/A

SUGGESTED MOTION:

I MOVE to _____

Attachments

No file(s) attached.



Town Council Regular Session

Item # 7.

Meeting Date: 04/06/2016

Requested by: Councilmember Zinkin & Councilmember Garner

Submitted By: Julie Bower, Town Clerk's Office

Department: Town Clerk's Office

Information

SUBJECT:

DISCUSSION AND POSSIBLE DIRECTION REGARDING PLACING A QUESTION TO SELL TOWN ASSETS ON THE BALLOT AT AN UPCOMING ELECTION

RECOMMENDATION:

N/A

EXECUTIVE SUMMARY:

Councilmember Zinkin and Councilmember Garner have requested that the item be placed on the agenda for discussion.

BACKGROUND OR DETAILED INFORMATION:

N/A

FISCAL IMPACT:

N/A

SUGGESTED MOTION:

I MOVE to _____

Attachments

No file(s) attached.
