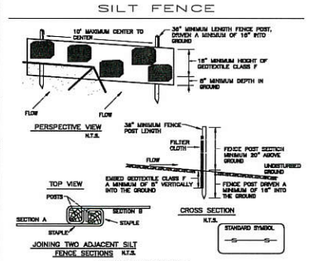
SCALE 1"=20'

20' 20' 20'

EXISTING CONTOUR INTERVAL=2'
PROPOSED CONTOUR INTERVAL=1'

SILT FENCE



Construction Specifications

1. Fence posts shall be a minimum of 36" long driven 16" minimum into the ground. Wood posts shall be 11/2" x 11/2" square (minimum) cut, or 13/4" diameter (minimum) round and shall be of sound quality hardwood. Steel posts will be standard T or U section weighting not less than 1.00 pond per linear foot.

2. Geotextile shall be fastened securely to each fence post with wire ties or staples at top and mid-section and shall meet the following requirements for Geotextile Class F:

Tensile Strength	50 lbs/in (min.)	Test: MSMT 509
Tensile Modulus	20 lbs/in (min.)	Test: MSMT 509
Flow Rate	0.3 gal ft / minute (max.)	Test: MSMT 322
Filtering Efficiency	75% (min.)	Test: MSMT 322

3. Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.

4. SIL Fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reached 50% of the fabric height.

DESCRIPTION
A TEMPORARY BARRIER OF GEOTEXTILE FABRIC (FILTER CLOTH) USED TO INTERCEPT SEDIMENT LADEN RUNOFF FROM SMALL DRAINAGE AREAS WITH DISTURBED SOIL.

CAUTION:
DO NOT INSTALL SEDIMENT FENCE ACROSS INTERMITTENT OR PERMANENT STREAMS, CHANNELS, OR ANY LOCATION WHERE CONCENTRATED FLOW IS ANTICIPATED.

INSTALLATION DETAILS
1. LOCATE THE SILT FENCE AT LEAST 10 FEET FROM THE TOE OF STEEP SLOPES AND NEARLY LEVEL THROUGHOUT ITS LENGTH.

2. DIG A TRENCH APPROXIMATELY 6 INCHES DEEP AND 4 INCHES WIDE, OR A V-TRENCH, IN THE LINE OF THE FENCE.

3. DRIVE POSTS SECURELY AT LEAST 16 INCHES INTO THE GROUND ON THE DOWNSLOPE SIDE OF TRENCH. SPACE POSTS A MAXIMUM OF 10 FEET APART IF FENCE IS SUPPORTED BY WIRE; 6 FEET IF EXTRA STRENGTH FABRIC IS USED WITHOUT SUPPORT WIRE.

ADJUST SPACING TO PLACE POSTS AT LOW POINTS ALONG THE FENCELINE.

4. FASTEN SUPPORT WIRE FENCE TO UPSLOPE SIDE OF POSTS, EXTENDING 6 INCHES INTO THE TRENCH. ATTACH CONTINUOUS LENGTH OF FABRIC TO UPSLOPE SIDE OF FENCE POSTS. AVOID JOINTS, PARTICULARLY AT LOW POINTS IN THE FENCE LINE. WHERE JOINTS ARE NECESSARY, FASTEN FABRIC SECURELY TO SUPPORT POSTS AND OVERLAP TO THE NEXT POST.

5. PLACE THE FABRIC IN THE TRENCH SO THE BOTTOM FOLDS ACROSS THE BOTTOM OF THE TRENCH. PLACE BACKFILL IN THE TRENCH OVER THE FABRIC TO THE GROUNDLINE AND COMPACT WITH A POWER TAMPER.

MAINTENANCE
1. INSPECT SEDIMENT FENCES PERIODICALLY AND AFTER EACH RAINFALL EVENT.

2. SHOULD FABRIC TEAR, DECOMPOSE, OR IN ANY WAY BECOME INEFFECTIVE, REPLACE IT IMMEDIATELY.

3. REMOVE SEDIMENT DEPOSITS PROMPTLY TO PROVIDE ADEQUATE STORAGE VOLUME FOR THE NEXT RAIN AND REDUCE PRESSURE ON FENCE. TAKE CARE TO AVOID UNDERMINING FENCE DURING CLEANOUT.

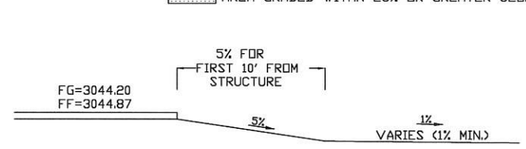
4. REMOVE ALL FENCING MATERIALS AND UNSTABLE SEDIMENT DEPOSITS AFTER THE CONTRIBUTING DRAINAGE AREA HAS BEEN PROPERLY STABILIZED, INSPECTED, AND APPROVED. GRADE AND STABILIZE THE DISTURBED AREA AS SHOWN IN THE VEGETATION PLAN.

STANDARD GRADING NOTES

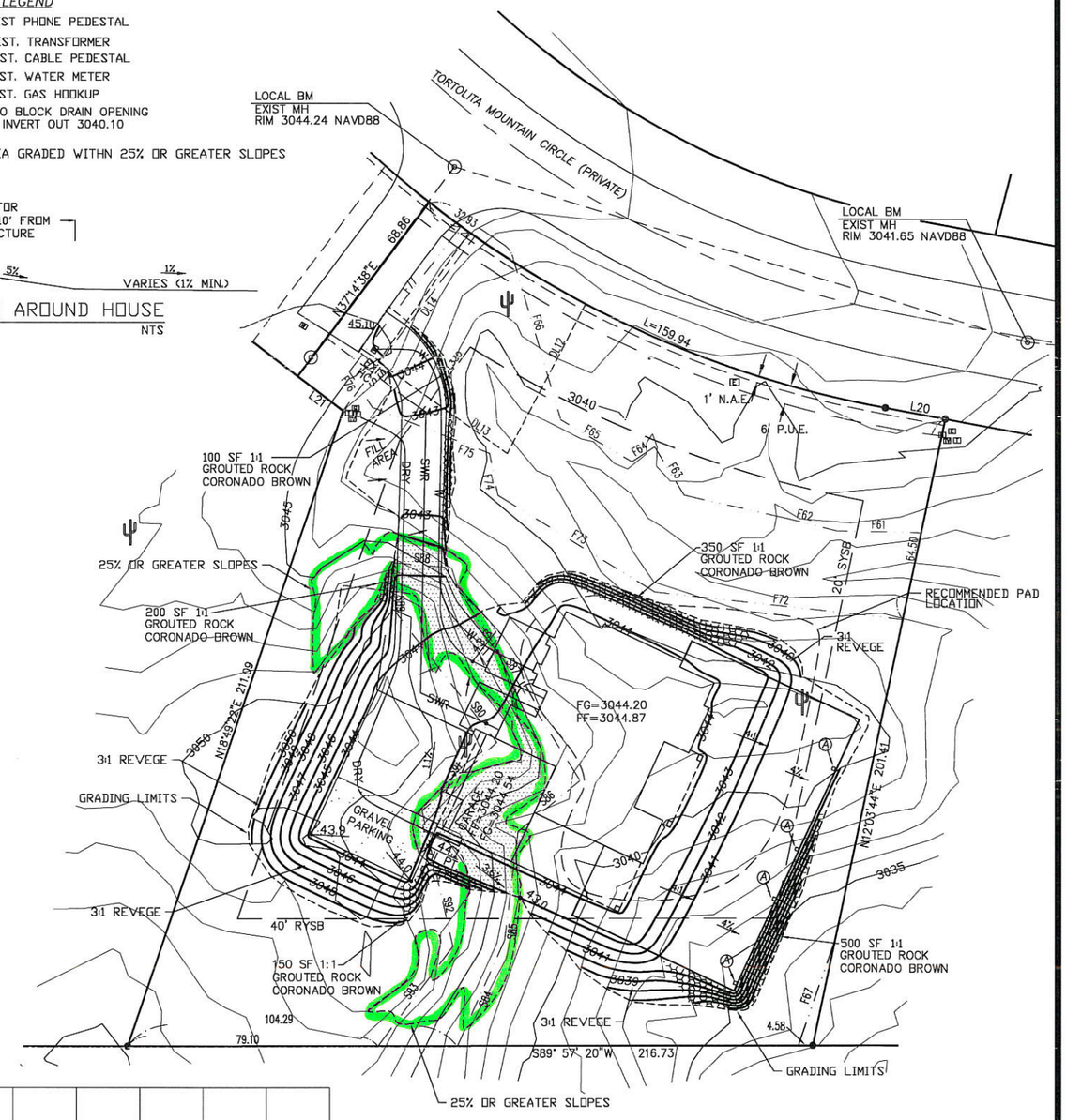
1. CUT = 1,050 CY / FILL = 995 CY
2. BASIS OF BEARINGS: BEARINGS BASED ON DOCKET 8178, PAGE 1966 CENTERLINE OF RANCHO VISTOSO BOULDEVARD, SAID BEARING BEING S32°09'07"E
3. BASIS OF ELEVATION: ADOT DATUM BENCHMARK; BRASS DISK HEADWALL 70' RIGHT OF STATION 710+20 APPROXIMATELY 300' SOUTH OF THE NORTH 1/4 CORNER OF SECTION 5, T-11-S, R-14-E. ELEVATION = 2688.03
4. UNIMPROVED DISTURBED AREAS RESULTING FROM OPERATIONS ON THIS LOT SHALL BE RESTORED TO THEIR NATURAL STATE BY UTILIZING DROUGHT-RESISTANT VEGETATION AS STATED BY THE TOWN OF ORO VALLEY ZONING CODE. ALL UTILITY TRENCHES AND/OR LEACH FIELDS ARE TO BE RESTORED TO THEIR ORIGINAL NATURAL CONDITIONS.
5. EXCESS SOIL GENERATED FROM EARTHWORK OPERATIONS SHALL BE REMOVED FROM THE SITE AND LAWFULLY DISPOSED OF OR, IF ALLOWED AND APPROVED BY THE TOWN ENGINEER, SITE MATERIALS MAY BE PLACED SO AS TO BECOME AN INTEGRAL PART OF THE SITE DEVELOPMENT, ALL IN ACCORDANCE WITH THE HILLSIDE DEVELOPMENT REGULATIONS.
6. ALL ROOF DRAINAGE WILL BE CONTROLLED BY SPLASH PADS AND /OR RIVER ROCK.
7. CUT AND FILL SLOPE AND SLOPE TREATMENT TO BE IN COMPLIANCE WITH THE REQUIREMENTS OF THE ACCEPTED GEOTECHNICAL ENGINEERING INVESTIGATION OR THE TOWN OF ORO VALLEY REVEGETATION REQUIREMENTS.
8. EXCESS SOIL MATERIALS GENERATED FROM THE EARTHWORK OPERATIONS SHALL NOT BE DISPOSED OF BY PUSHING OR PLACING SAID MATERIAL INTO THE AREAS DESIGNATED AS 100 YEAR FLOOD PLAIN AREAS.
9. THE CONTRACTOR IS RESPONSIBLE FOR ASSURING PROPER AND ADEQUATE DRAINAGE.
10. ELEVATION OF FINISH PAD SHALL BE CERTIFIED BY A REGISTERED LAND SURVEYOR PRIOR THE POURING FOUNDATIONS. A COPY OF THE CERTIFICATION MUST BE APPROVED BY THE TOWN OF ORO VALLEY INSPECTION AND COMPLIANCE DIVISION PRIOR TO CALLING FOR BUILDING INSPECTIONS.
11. THE GROUND IMMEDIATELY ADJACENT TO THE FOUNDATION SHALL BE SLOPED AWAY FROM THE BUILDING AT A SLOPE OF NOT LESS THAN ONE UNIT VERTICAL IN 20 UNITS HORIZONTAL (5-PERCENT SLOPE) FOR A MINIMUM DISTANCE OF 10 FEET MEASURED PERPENDICUAR TO THE WALL. IF PHYSICAL OBSTRUCTIONS OR LOT LINES PROHIBIT 10 FEET OF HORIZONTAL DISTANCE, A 5-PERCENT SLOPE SHALL BE PROVIDED TO AN APPROVED ALTERNATIVE METHOD OF DIVERTING WATER AWAY FROM THE FOUNDATION. SWALES USED FOR THIS PURPOSE SHALL BE SLOPED A MINIMUM OF 2-PERCENT WHERE LOCATED WITHIN 10 FEET OF THE BUILDING FOUNDATION.
12. ADDITIONAL GRADING INFORMATION:
    FINISHED SLOPES MUST CONFORM TO THE FOLLOWING TOWN ZONING CODE RESTRICTINS:
    *3:1 (HORIZONTAL:VERTICAL) OR FLATTER SHALL BE REVEGETATED
    *SLOPES 2:1 OR FLATTER BUT STEEPER THAN 3:1 SHALL BE STABILIZED WITH ROCK RIPRAP OVER FILTER FABRIC.
    *SLOPES STEEPER THAN 2:1 SHALL BE STABILIZED WITH GROUTED RIPRAP OR RETAINING WALLS AS APPROPRIATE. SLOPES SHALL NOT EXCEED 1:1.
    *ALTERNATIVE METHODS OF STABILIZATION MAY BE ALLOWED WHEN SUPPORTED BY A GEOTECHNICAL REPORT PREPARED BY AN ARIZONA REGISTRANT.
13. PRIOR TO ANY BUILDING FINALS, A FINAL GRADING INSPECTION MUST BE OBTAINED FROM THE TOWN OF ORO VALLEY. CALL THE ORO VALLEY INSPECTION AND COMPLIANCE DIVISION AT (520) 229-4898 FOR FOR A FINAL GRADING INSPECTION AT LEAST 24 (TWENTY-FOUR) HOURS IN ADVANCE.
14. ACS = .0023 x I x L / PAD AREA (ACRES)
    ACS = .0023 x 1 x 672.11 / 0.10
    ACS = 15.46%
15. ARIZONA GAME AND FISH DEPARTMANT'S GUIDELINES FOR HANDLING DESERT TORTOISE SPECIMANS SHALL BE FOLLOWED IF THESE ANIMALS ARE ENCOUNTERED DURING CONSTRUCTION
16. LANDSCAPING WITHIN THE DRIVEWAY SIGHT VISIBILITY TRIANGLE OF ALL HOMES IS LIMITED TO 30 INCH MAXIMUM HEIGHT FOR ALL SHRUBS AND GROUND-COVER AND THAT ANY TREES PLANTED WITHIN THE SIGHT VISIBILITY TRIANGLE SHALL MAINTAIN THE ENTIRE CANOPY 6 FEET ABOVE GROUND LEVEL.
17. TOTAL GRADING = 19,947.70 SF. TOTAL ALLOWED 20,000 SF OK
    TOTAL GRADING OF 25% AND GREATER SLOPE = 1,969.34 SF
    1,969.34 / 19,947.70 SF = 9.87% OF GRADING IS ON 25% OR GREATR SLOPE

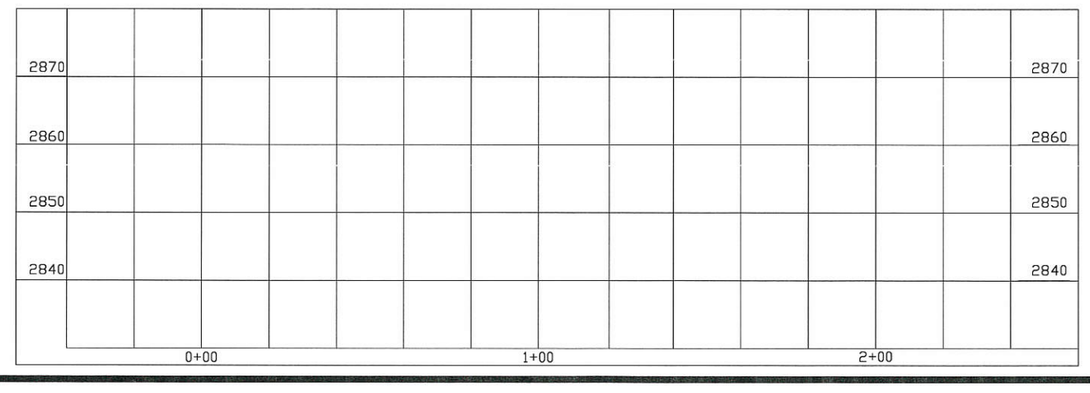
LEGEND

- EXIST PHONE PEDESTAL
- EXIST. TRANSFORMER
- EXIST. CABLE PEDESTAL
- EXIST. WATER METER
- EXIST. GAS HOOKUP
- (A) DECO BLOCK DRAIN OPENING (4) INVERT OUT 3040.10
- AREA GRADED WITHN 25% OR GREATER SLOPES



TYPICAL GRADING AROUND HOUSE
NTS





CONTACT

JEFF GEREKE
2200 E. RIVER RD. STE. 105
(520) 577-7800

OWNER/DEVELOPER

A.F. STERLING HOMES
3275 W. INA ROAD STE. 220
TUCSON, AZ. 85741
(520) 225-6800

TOPO IS BASED ON ORIGINAL AERIAL FOR STONE CANYON ii WHICH HAS BEEN FIELD VERIFIED FOR ACCURACY BY AMERSON SURVEYING

GRADING / 25% SLOPE DISPLAY FOR LOT 167 STONE CANYON II LOTS 135-234

CONTAINING 46,020 SF - 1.06 ACRES
BOOK 53, PAGE 48 SEQ# 20000630042
MODEL 2940
1055 W. TORTOLITA MOUNTAIN DRIVE

1-21-15

SHEET 1 OF 1

16

ATTACHMENT 3