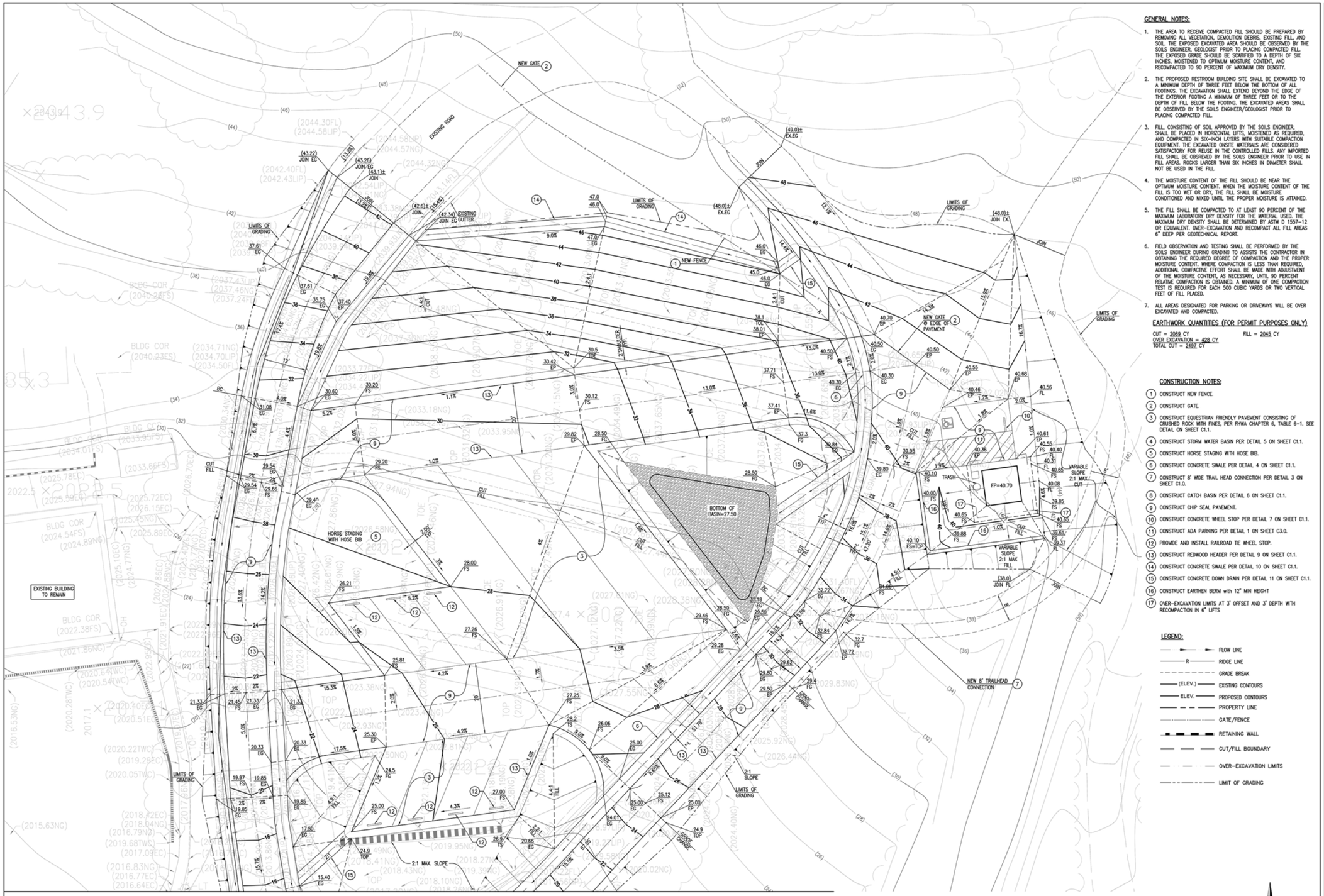
MRCA
Attachment
3/2/2016
Agenda Item VII



GENERAL NOTES:

1. THE AREA TO RECEIVE COMPACTED FILL SHOULD BE PREPARED BY REMOVING ALL VEGETATION, DEMOLITION DEBRIS, EXISTING FILL, AND SOIL. THE EXPOSED EXCAVATED AREA SHOULD BE OBSERVED BY THE SOILS ENGINEER, GEOLOGIST PRIOR TO PLACING COMPACTED FILL. THE EXPOSED GRADE SHOULD BE SCARIFIED TO A DEPTH OF SIX INCHES, MOISTENED TO OPTIMUM MOISTURE CONTENT, AND RECOMPACTED TO 90 PERCENT OF MAXIMUM DRY DENSITY.
2. THE PROPOSED RESTROOM BUILDING SITE SHALL BE EXCAVATED TO A MINIMUM DEPTH OF THREE FEET BELOW THE BOTTOM OF ALL FOOTINGS. THE EXCAVATION SHALL EXTEND BEYOND THE EDGE OF THE EXTERIOR FOOTING A MINIMUM OF THREE FEET OR TO THE DEPTH OF FILL BELOW THE FOOTING. THE EXCAVATED AREAS SHALL BE OBSERVED BY THE SOILS ENGINEER/GEOLOGIST PRIOR TO PLACING COMPACTED FILL.
3. FILL, CONSISTING OF SOIL APPROVED BY THE SOILS ENGINEER, SHALL BE PLACED IN HORIZONTAL LIFTS, MOISTENED AS REQUIRED, AND COMPACTED IN SIX-INCH LAYERS WITH SUITABLE COMPACTION EQUIPMENT. THE EXCAVATED ONSITE MATERIALS ARE CONSIDERED SATISFACTORY FOR REUSE IN THE CONTROLLED FILLS. ANY IMPORTED FILL SHALL BE OBSREVED BY THE SOILS ENGINEER PRIOR TO USE IN FILL AREAS. ROCKS LARGER THAN SIX INCHES IN DIAMETER SHALL NOT BE USED IN THE FILL.
4. THE MOISTURE CONTENT OF THE FILL SHOULD BE NEAR THE OPTIMUM MOISTURE CONTENT. WHEN THE MOISTURE CONTENT OF THE FILL IS TOO WET OR DRY, THE FILL SHALL BE MOISTURE CONDITIONED AND MIXED UNTIL THE PROPER MOISTURE IS ATTAINED.
5. THE FILL SHALL BE COMPACTED TO AT LEAST 90 PERCENT OF THE MAXIMUM LABORATORY DRY DENSITY FOR THE MATERIAL USED. THE MAXIMUM DRY DENSITY SHALL BE DETERMINED BY ASTM D 1557-12 OR EQUIVALENT. OVER-EXCAVATION AND RECOMPACT ALL FILL AREAS 6" DEEP PER GEOTECHNICAL REPORT.
6. FIELD OBSERVATION AND TESTING SHALL BE PERFORMED BY THE SOILS ENGINEER DURING GRADING TO ASSISTS THE CONTRACTOR IN OBTAINING THE REQUIRED DEGREE OF COMPACTION AND THE PROPER MOISTURE CONTENT. WHERE COMPACTION IS LESS THAN REQUIRED, ADDITIONAL COMPACTIVE EFFORT SHALL BE MADE WITH ADJUSTMENT OF THE MOISTURE CONTENT, AS NECESSARY, UNTIL 90 PERCENT RELATIVE COMPACTION IS OBTAINED. A MINIMUM OF ONE COMPACTION TEST IS REQUIRED FOR EACH 500 CUBIC YARDS OR TWO VERTICAL FEET OF FILL PLACED.
7. ALL AREAS DESIGNATED FOR PARKING OR DRIVEWAYS WILL BE OVER EXCAVATED AND COMPACTED.

EARTHWORK QUANTITIES (FOR PERMIT PURPOSES ONLY)

CUT = 2069 CY FILL = 2045 CY
OVER EXCAVATION = 428 CY
TOTAL CUT = 2497 CY

CONSTRUCTION NOTES:

1. CONSTRUCT NEW FENCE.
2. CONSTRUCT GATE.
3. CONSTRUCT EQUESTRIAN FRIENDLY PAVEMENT CONSISTING OF CRUSHED ROCK WITH FINES, PER FHWA CHAPTER 6, TABLE 6-1. SEE DETAIL ON SHEET C1.1.
4. CONSTRUCT STORM WATER BASIN PER DETAIL 5 ON SHEET C1.1.
5. CONSTRUCT HORSE STAGING WITH HOSE BIB.
6. CONSTRUCT CONCRETE SWALE PER DETAIL 4 ON SHEET C1.1.
7. CONSTRUCT 8' WIDE TRAIL HEAD CONNECTION PER DETAIL 3 ON SHEET C1.0.
8. CONSTRUCT CATCH BASIN PER DETAIL 6 ON SHEET C1.1.
9. CONSTRUCT CHIP SEAL PAVEMENT.
10. CONSTRUCT CONCRETE WHEEL STOP PER DETAIL 7 ON SHEET C1.1.
11. CONSTRUCT ADA PARKING PER DETAIL 1 ON SHEET C3.0.
12. PROVIDE AND INSTALL RAILROAD TIE WHEEL STOP.
13. CONSTRUCT REDWOOD HEADER PER DETAIL 9 ON SHEET C1.1.
14. CONSTRUCT CONCRETE SWALE PER DETAIL 10 ON SHEET C1.1.
15. CONSTRUCT CONCRETE DOWN DRAIN PER DETAIL 11 ON SHEET C1.1.
16. CONSTRUCT EARTHEN BERM with 12" MIN HEIGHT
17. OVER-EXCAVATION LIMITS AT 3' OFFSET AND 3' DEPTH WITH RECOMPACTION IN 6" LIFTS

LEGEND:

- FLOW LINE
- R RIDGE LINE
- GRADE BREAK
- (ELEV.) EXISTING CONTOURS
- ELEV. PROPOSED CONTOURS
- PROPERTY LINE
- GATE/FENCE
- RETAINING WALL
- CUT/FILL BOUNDARY
- OVER-EXCAVATION LIMITS
- LIMIT OF GRADING

0' 5' 10' 20'
GRAPHIC SCALE:1"=10'

REV.	DESCRIPTION

REGISTERED PROFESSIONAL ENGINEER DAVID C. LEE No. 70897 Exp. 06-30-17 CIVIL STATE OF CALIFORNIA
DAVID C. LEE R.C.E. 70897

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FINISH GRADING PLAN-1

DATE:	04-30-2015
SCALE:	1"=20'
PROJECT NUMBER:	336-14-001C
DRAWN BY:	--
CHECKED BY:	--
DRAWING NUMBER	C4.0