GENERAL CONSTRUCTION NOTES

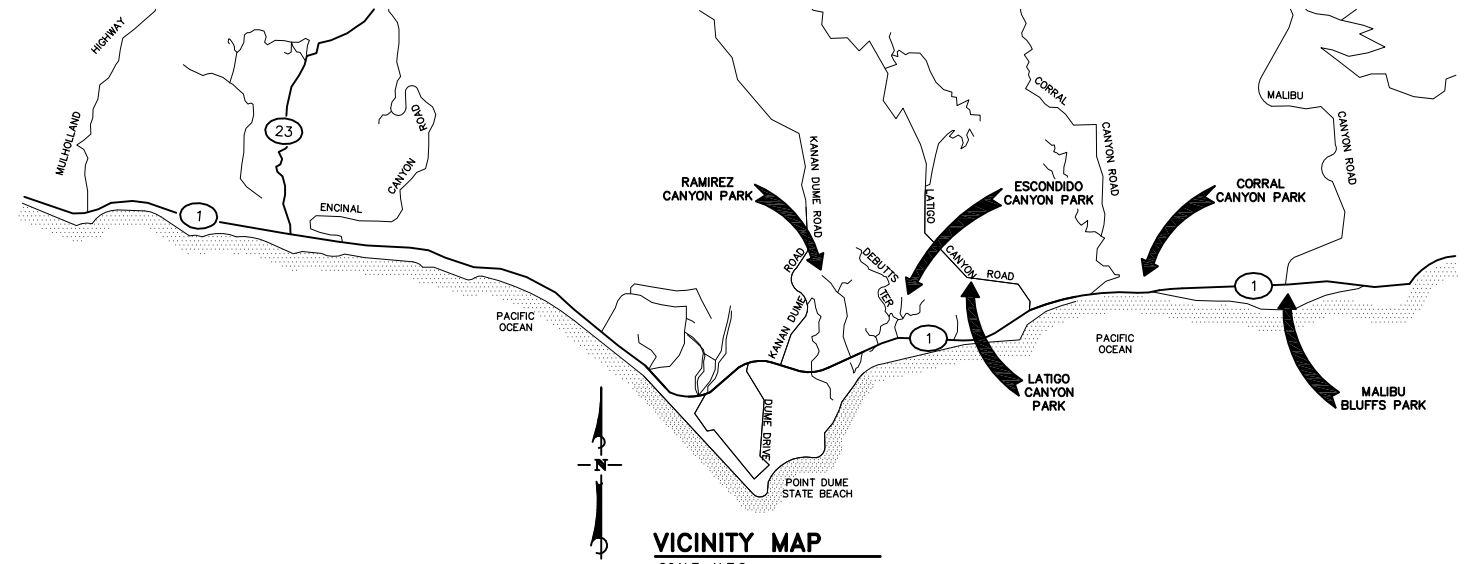
1. ALL OF THE IMPROVEMENTS PROPOSED IN THIS 63 SHEET PLAN SET ARE AT CONCEPT LEVEL ONLY. THE DESIGN SHOWN HEREON IS FOR USE IN THE PERMIT PROCESS. UPON APPROVAL, A FINAL DESIGN SHALL BE PERFORMED. THE FINAL DESIGN SHALL BE BASED ON A FINAL GEOLOGIC/GEOTECHNICAL INVESTIGATION AND REPORT, EXISTING UTILITY AND INFASTRUCTURE RESEARCH, FIELD SURVEY, FINAL ENGINEERING AND IN ACCORDANCE WITH APPLICABLE CODES, LAWS AND THE PROJECT CONDITIONS OF APPROVAL. THIS 63 SHEET PLAN SET IS NOT FOR CONSTRUCTION.
2. ALL REFERENCED SPECIFICATIONS, CODES, DRAWINGS AND DETAILS SHALL BE INCORPORATED INTO THESE PLANS AND MADE A PART HEREOF AS IF SPELLED OUT OR DELINEATED IN THEIR ENTIRETY HEREON.
3. GRADING OR OTHER CONSTRUCTION WORK OFFSITE IS NOT PERMITTED WITHOUT PRIOR WRITTEN PERMISSION OF THE AFFECTED OFFSITE PROPERTY OWNERS.
4. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE PROJECT'S CONDITIONS OF APPROVAL AND ABIDE BY THEIR REQUIREMENTS AS APPLICABLE.
5. GEOTECHNICAL REPORTS AND ANY UPDATES SHALL BE INCORPORATED INTO THESE PLANS AND MADE A PART HEREOF AS IF SPELLED OUT IN THEIR ENTIRETY HEREON. IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE APPLICABLE REPORTS AND ABIDE BY THEIR RECOMMENDATIONS. IF THE CONTRACTOR DETERMINES THERE IS A CONFLICT BETWEEN THESE PLANS AND THE REPORTS, HE SHALL PHONE AND NOTIFY IN WRITING BOTH THE PREPARER OF THESE PLANS AND THE REPORT PRIOR TO PROCEEDING. HE WILL WAIT FOR A WRITTEN RESPONSE CLARIFYING THE DISCREPANCY.
6. BEFORE BEGINNING WORK, THE CONTRACTOR SHALL CONTACT THE OWNER, PERMIT AGENCY, THE UTILITY COMPANIES, THE SOILS ENGINEER, AND THE PROJECT ENGINEER (PENFIELD & SMITH), AND SHALL DETERMINE FROM EACH: (1) SCOPE OF WORK TO BE OBSERVED AND BY WHOM, (2) SCOPE OF TESTING, AND (3) ADVANCE NOTICE REQUIRED (MINIMUM OF 48 HOURS). DURING THE COURSE OF WORK, THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR OBSERVATION AND TESTING AS STIPULATED PURSUANT TO ABOVE DETERMINATIONS. WORK NOT OBSERVED AND TESTED WILL BE SUBJECT TO REJECTION.
7. BEFORE BEGINNING WORK, THE CONTRACTOR SHALL DETERMINE OR VERIFY THE LOCATION AND FLOWLINE ELEVATION OF ALL EXISTING WATER, SEWER, AND DRAINAGE STRUCTURES AND/OR CONDUITS TO BE JOINED BY NEW CONSTRUCTION. IF DIFFERENCES ARE OBSERVED THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE PROJECT ENGINEER BY PHONE AND IN WRITING.
8. EXISTING PERMANENT SURVEY MONUMENTS SHOWN ON THE PLANS, INCLUDING PROPERTY CORNERS AND BENCHMARKS, SHALL BE PRESERVED BY THE CONTRACTOR OR SHALL BE TIED-OUT PRIOR TO CONSTRUCTION AND RE-SET AFTER CONSTRUCTION BY A LICENSED LAND SURVEYOR AT THE CONTRACTOR'S EXPENSE.
9. THE ROUGH GRADING CONTRACTOR SHALL GRADE TO SUBGRADE.
10. AREAS TO RECEIVE FILL MATERIAL AND AREAS TO RECEIVE BUILDINGS, WALLS, PAVEMENT, SIDEWALKS AND OTHER STRUCTURAL IMPROVEMENTS SHALL BE PREPARED AS RECOMMENDED BY, AND UNDER THE OBSERVATION AND TESTING OF THE SOILS ENGINEER. RECOMMENDATIONS FOR OVER-EXCAVATION, ADDITIONAL SCARIFICATION, BACKFILL AND RECOMPACTION ARE TO BE PROVIDED BY THE PROJECT SOILS ENGINEER.
11. IF NOT DIMENSIONED, LOCATION OF FINISH GRADE ELEVATIONS AND FEATURES SUCH AS SWALES, RIDGE LINES, ETC. SHALL BE DETERMINED BY SCALE FROM KNOWN POINTS SHOWN ON THE PLANS. UNIFORM GRADIENTS OR VERTICAL CURVES, AS APPROPRIATE, SHALL BE ASSUMED BETWEEN CONTROL ELEVATIONS SHOWN ON THE PLANS.

GENERAL REQUIREMENTS OF CONTRACTOR

1. THE CONTRACTOR SHALL MAINTAIN A COMPLETE AND ACCURATE RECORD OF ALL CHANGES OF CONSTRUCTION FROM THAT SHOWN IN THESE PLANS AND SPECIFICATIONS FOR THE PURPOSE OF PROVIDING A BASIS FOR CONSTRUCTION RECORD DRAWINGS. NO CHANGES SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL OF THE PROJECT ENGINEER AND THE AGENCY HAVING JURISDICTION. UPON COMPLETION OF THE PROJECT, THE CONTRACTOR SHALL DELIVER THIS RECORD OF ALL CONSTRUCTION CHANGES TO THE ENGINEER ALONG WITH A LETTER WHICH DECLARES THAT THE PROJECT WAS CONSTRUCTED IN CONFORMANCE WITH THE APPROVED PLANS, SPECIFICATIONS AND APPROVED CHANGE ORDERS.
   CAUTION: THE ENGINEER WHO PREPARED THESE PLANS WILL NOT BE RESPONSIBLE OR LIABLE FOR UNAUTHORIZED CHANGES OR USES OF THESE PLANS. ALL CHANGES TO THESE PLANS MUST BE APPROVED IN WRITING BY THE PROJECT ENGINEER.
2. THE CONTRACTOR SHALL PROMPTLY NOTIFY THE PROJECT ENGINEER, OWNER AND THE PUBLIC WORKS INSPECTOR BY PHONE AND IN WRITING UPON DISCOVERY OF, AND BEFORE DISTURBING, ANY PHYSICAL CONDITIONS DIFFERING FROM THOSE REPRESENTED BY APPROVED PLANS AND SPECIFICATIONS.
3. THE CONTRACTOR AGREES THAT, IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR WILL BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS, AND CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN PROFESSIONALS HARMLESS FROM ALL LIABILITY AND CLAIMS, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN PROFESSIONALS.
4. THE CONTRACTOR AGREES TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR PROTECTION OF PUBLIC AND PRIVATE PROPERTY IN THE VICINITY OF THE JOB SITE AND FURTHER AGREES TO, AT CONTRACTOR'S EXPENSE, REPAIR OR REPLACE TO THE ORIGINAL CONDITION, ALL EXISTING IMPROVEMENTS WITHIN OR IN THE VICINITY OF THE JOB SITE WHICH ARE NOT DESIGNATED FOR REMOVAL AND WHICH ARE DAMAGED OR REMOVED AS A RESULT OF CONTRACTOR'S OPERATIONS.
5. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR VEHICULAR AND PEDESTRIAN TRAFFIC CONTROL AND SAFETY AND SHALL FURNISH, INSTALL, AND MAINTAIN SUCH FENCING, SIGNS, LIGHTS, TRENCH PLATES, BARRICADES, AND/OR OTHER PROTECTION AS IS NECESSARY FOR SAID CONTROL AND SAFETY.
6. EXISTING BURIED CONDUITS AND STRUCTURES KNOWN TO THE ENGINEER ARE SHOWN ON THESE PLANS. HOWEVER, ALL SUCH CONDUITS AND STRUCTURES MAY NOT BE SHOWN AND THE LOCATIONS OF THOSE SHOWN ARE APPROXIMATE ONLY AND HAVE NOT NECESSARILY BEEN INDEPENDENTLY VERIFIED BY THE PREPARER OF THESE PLANS.
7. THE CONTRACTOR SHALL INDEPENDENTLY VERIFY THE PRESENCE OF BURIED CONDUITS AND STRUCTURES. BOTH ACTIVE AND ABANDONED-IN-PLACE AND, BEFORE COMMENCING WORK, CONTRACTOR SHALL DETERMINE THE EXACT LOCATION INCLUDING DEPTHS OF ALL EXISTING UNDERGROUND UTILITIES, CONDUITS AND STRUCTURES, INCLUDING SERVICE CONNECTIONS, WHICH MAY AFFECT OR BE AFFECTED BY HIS OPERATIONS. CONTRACTOR AGREES TO BE FULLY RESPONSIBLE FOR ANY AND ALL DAMAGES WHICH OCCUR AS A RESULT OF CONTRACTOR'S FAILURE TO EXACTLY LOCATE AND PRESERVE ANY AND ALL UNDERGROUND UTILITIES, CONDUITS AND STRUCTURES.

RETAINING WALL SPECIFICATIONS

1. ALL WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE 2001 EDITION OF THE CALIFORNIA BUILDING CODE, SECTION 303-4 OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, AMERICAN CONCRETE INSTITUTE SPECIFICATIONS, AND THE PROJECT PLANS AND PROJECT SPECIFICATIONS.
2. MATERIALS AND CONSTRUCTION METHODS FOR CONCRETE FOOTINGS AND MASONRY WALLS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE 2001 CALIFORNIA BUILDING CODE CHAPTERS 18, 19, AND 21, AND THE SPECIFICATIONS FOR STRUCTURAL CONCRETE IN ACI 301-05. IN ADDITION TO THE ABOVE, THE CONTRACTOR IS RESPONSIBLE TO CONSTRUCT IMPROVEMENTS IN ACCORDANCE WITH THE INDUSTRY STANDARD OF CARE.
3. PRIOR TO CONSTRUCTION, A GRADING PERMIT SHALL BE OBTAINED FOR WALL CONSTRUCTION FROM THE DEPARTMENT OF BUILDING & SAFETY. FOR WALL CONSTRUCTION ADJACENT TO PROPERTY LINES, SUCH LINES SHALL BE ESTABLISHED BY A LICENSED SURVEYOR.
4. CONCRETE FOR USE IN FOOTINGS SHALL HAVE A MAXIMUM ENTRAINED AIR CONTENT OF 3 PERCENT. THE MAXIMUM WATER-CEMENT RATIO SHALL BE 0.50 UNLESS OTHERWISE NOTED. THE MAXIMUM SLUMP SHALL BE 4-INCHES.
5. PORTLAND CEMENT CONCRETE FOR FOOTINGS SHALL REACH A MINIMUM COMPRESSIVE STRENGTH OF 2500 PSI WITHIN 28 DAYS UNLESS OTHERWISE NOTED. CEMENT SHALL BE PORTLAND CEMENT TYPE 2 OR TYPE 5. AGGREGATES USED FOR CONCRETE CONSTRUCTION SHALL BE NONREACTIVE WHEN TESTED IN ACCORDANCE WITH ASTM DESIGNATION C289 AND EVALUATED IN ACCORDANCE WITH APPENDIX A-1 OF ASTM C33. CONTRACTOR SHALL PROVIDE EVIDENCE OF RECENT TESTING AND EVALUATION OF AGGREGATES FROM SUPPLIER PRIOR TO CONSTRUCTION.
6. UNLESS OTHERWISE NOTED IN THESE PLANS, FOOTINGS SHALL BE PLACED A MINIMUM OF 12 INCHES INTO UNDISTURBED SOIL OR COMPACTED FILL SOIL. STEP FOOTING AS REQUIRED TO FIT FIELD CONDITIONS.
7. CONCRETE MASONRY UNITS SHALL CONFORM TO UBC STANDARD NO. 21-4, HOLLOW AND SOLID LOAD-BEARING CONCRETE MASONRY UNITS, GRADE N TYPE-1 OR TYPE-2 UNITS, MEDIUM WEIGHT BLOCK.
8. MORTAR CEMENT SHALL CONFORM TO UBC STANDARD 21-14 FOR REINFORCED MASONRY, TYPE M OR S. THE MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE 2,100 PSI. PRE-BLENDED MORTAR IS ALSO ACCEPTABLE PROVIDED IT CONFORMS TO ASTM C-270.
9. MORTAR FOR REINFORCED MASONRY SHALL CONFORM TO UBC STANDARD 21-15, TYPE M OR TYPE S. THE AVERAGE COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE 1,800 PSI.
10. GROUT SHALL CONFORM TO CBC STANDARD NO. 21-19 PORTLAND OR BLENDED CEMENT, GROUT FOR MASONRY SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 2,000 PSI AT 28 DAYS.
11. ALL REINFORCING STEEL SHALL BE GRADE 60 PER ASTM A615 OR A706. MINIMUM LAP SPLICE SHALL BE 40 BAR DIAMETERS UNLESS OTHERWISE NOTED. REINFORCING SHALL BE CLEAN AND FREE FROM LOOSE RUST AND OTHER COATINGS THAT WOULD INHIBIT REINFORCING BOND.
12. REINFORCEMENT SHALL BE SECURED AGAINST DISPLACEMENT PRIOR TO GROUTING OR PLACEMENT OF CONCRETE BY WIRE POSITIONERS OR OTHER SUITABLE DEVICES AT INTERVALS NOT EXCEEDING 200 BAR DIAMETERS.
13. REMOVE MORTAR DROPPINGS AND OVERHANGS FROM THE FOUNDATION OR BEARING SURFACE, CELL WALLS, AND REINFORCING. BEFORE PLACING GROUT, CLEAN CELLS OF DELETERIOUS MATERIALS, OVERHANGING MORTAR, AND ANY OTHER OBSTRUCTIONS BEFORE GROUTING.
14. LAY BLOCK IN RUNNING BOND, UNLESS OTHERWISE NOTED. USE SPECIAL SHAPED UNITS FOR BOND BEAMS AT THE LOCATION OF HORIZONTAL STEEL. TOOL EXPOSED JOINTS CONCAVE. FLUSH CUT JOINTS SHALL BE MADE WHERE MASONRY SURFACES ARE TO RECEIVE COATINGS.
15. IN ACCORDANCE WITH CHAPTER 21 OF THE CBC, ALL CELLS FOR WALLS SHALL BE FILLED WITH GROUT AND ADEQUATELY CURED PRIOR TO BACKFILLING. SEGREGATION OF GROUT MATERIALS SHALL BE AVOIDED. ALL GROUT SHALL BE MECHANICALLY VIBRATED IN PLACE BEFORE LOSS OF PLASTICITY IN A MANNER TO FILL THE GROUT SPACE. GROUT LIFTS IN EXCESS OF 5' SHALL UTILIZE CLEAN-OUTS. GROUTING OF ANY SECTION OF WALL SHALL BE COMPLETE IN ONE DAY WITH NO INTERRUPTIONS IN EXCESS OF ONE HOUR.
16. THE LOCATION OF THE VERTICAL REINFORCEMENT AS SHOWN IN THE DETAILS IS TO BE MEASURED FROM THE INDICATED SURFACE TO THE NEAREST SURFACE OF THE REINFORCING BAR (CLEAR DISTANCE).
17. FOOTING EXCAVATION SHALL BE INSPECTED AND APPROVED BY A QUALIFIED GEOTECHNICAL ENGINEER PRIOR TO PLACEMENT OF REINFORCING STEEL.
18. DRAINAGE BEHIND THE WALL IS REQUIRED FOR WALLS RETAINING MORE THAN 3-FEET OF SOIL. A 12-INCH HIGH AND 12-IN WIDE FABRIC WRAPPED GRAVEL DRAIN WITH 4-INCH PERFORATED PVC DRAIN LINE SHALL BE PLACED AT THE TOP OF FOOTING ON THE RETAINING SIDE OF THE WALL. A 12-INCH WIDE GRAVEL COLUMN SHALL BE PLACED ON TOP OF THIS "FRENCH DRAIN" TO WITHIN 12-INCHES OF THE FINISH SURFACE. FILTER FABRIC SHALL BE MIRAFI 140-NC OR APPROVED EQUIVALENT. MIRADRAIN 6000 SYSTEM WITH PERFORATED DRAIN PIPE MAY BE SUBSTITUTED FOR THE GRAVEL AND FRENCH DRAIN.
19. THE PERFORATED DRAIN SHALL EXTEND TO DAYLIGHT OR PERIODIC DRAINAGE THROUGH THE FACE OF WALL SHALL BE PROVIDED. HEAD JOINTS MAY BE OMITTED IN THE FIRST COURSE ABOVE FINISH GRADE PROVIDED SPEED-BLOCK IS NOT USED. WHERE SPEED-BLOCK IS USED, THE WALL SHALL BE CORED AND SLEEVED WITH 1-INCH DIAMETER SLEEVES AT 2-FEET ON CENTER, OR 2-INCH DIAMETER SLEEVES AT 8-FEET ON CENTER. THE CORING AND SLEEVING SHALL BE DONE PRIOR TO GROUTING THE WALL. HOLES SHALL BE ANGLED SO AS TO PROMOTE DRAINAGE AND SHALL BE AT LEAST 3-INCHES ABOVE FINISH GRADE. AT THE CONTRACTORS OPTION, THE CORING MAY BE PERFORMED AFTER THE WALL IS GROUTED, PROVIDED THE HOLES DO NOT DAMAGE THE VERTICAL STEEL. LOCATION OF THE VERTICAL STEEL SHALL BE MARKED PRIOR TO GROUTING OR AFTER BY X-RAY OR OTHER APPROVED METHODS.
20. GRANULAR BACKFILL MATERIAL SHALL BE PLACED BEHIND THE GRAVEL AND A 45 DEGREE LINE PROJECTED FROM THE BOTTOM OF FOOTING UP TO THE FINISHED SURFACE (BEHIND THE WALL). THE GRANULAR BACKFILL MATERIAL IS DEFINED AS HAVING NO MORE THAN 35% PASSING THE 200 SIEVE. THE TOP 12" TO 24" OF FINAL BACKFILL SHALL BE NATIVE OR TOP SOIL, TO PROMOTE PLANT GROWTH.
21. PRIOR TO BACKFILL OR THE APPLICATION OF THE DRAINAGE SYSTEM BEHIND THE WALL, THE RETAINING PORTION OF THE STEM SHALL BE SEALED WITH HYDROSTOP WATER REPELLENT SEALER K-770 BY KRYTON (1-800-267-8280) OR APPROVED EQUIVALENT.



VICINITY MAP

SCALE: N.T.S.

TRENCHING AND BACKFILLING

1. ALL TRENCHING, BEDDING AND BACKFILL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THESE PLANS.
2. WATER ENCOUNTERED IN TRENCH OR STRUCTURE EXCAVATION SHALL BE REMOVED BY THE CONTRACTOR TO THE SATISFACTION OF THE SOILS ENGINEER TO PROVIDE DRY CONDITIONS DURING CONSTRUCTION OF PIPE OR STRUCTURE.
3. TRENCH OR STRUCTURE EXCAVATION SUBGRADE SHALL BE OBSERVED BY THE SOILS ENGINEER PRIOR TO PLACEMENT OF BEDDING MATERIAL. WET OR UNSTABLE SOIL ENCOUNTERED IN THE BOTTOM OF THE EXCAVATION AND DEEMED BY THE SOILS ENGINEER TO BE INCAPABLE OF PROPERLY SUPPORTING THE PIPE OR STRUCTURE BEING CONSTRUCTED, SHALL BE REMOVED TO THE DEPTH RECOMMENDED BY THE SOILS ENGINEER AND THE EXCAVATION BACKFILLED TO THE BOTTOM OF THE PIPE OR STRUCTURE GRADE WITH SUITABLE MATERIAL RECOMMENDED BY THE SOILS ENGINEER.
4. BEDDING AND BACKFILL MATERIAL SHALL BE TESTED FOR COMPLIANCE WITH APPLICABLE REQUIREMENTS BY THE SOILS ENGINEER.
5. BACKFILL COMPACTION SHALL BE TESTED IN ACCORDANCE WITH ASTM STANDARD D-1557, LATEST REVISION, AND REPORTED BY THE SOILS ENGINEER.
6. COMPACTION BY FLOODING OR JETTING IS NOT PERMITTED UNLESS SPECIFICALLY APPROVED BY THE SOILS ENGINEER.
7. TRENCH BACKFILL SHALL NOT BE PLACED UNTIL BEDDING AND INITIAL (PIPE ZONE) BACKFILL HAVE BEEN OBSERVED, TESTED AND APPROVED.
8. ALL WORK INVOLVING EXCAVATION INCLUDING THAT FOR SEWER AND UTILITY CONDUITS AND ALL SERVICE CONNECTIONS AND METER BOXES SHALL BE COMPLETED, OBSERVED AND APPROVED BY THE PUBLIC WORKS DEPTMENT AND THE STRUCTURAL BACKFILL OBSERVED, TESTED FOR COMPACTION AND APPROVED BEFORE AGGREGATE BASE, PAVING OR OTHER PERMANENT SURFACE CONSTRUCTION MAY COMMENCE.
9. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH APPLICABLE HEALTH AND SAFETY LAWS, ORDINANCES, REGULATIONS, RULES, AND STANDARDS INCLUDING ALL REQUIREMENTS OF THE STATE OF CALIFORNIA DIVISION OF INDUSTRIAL SAFETY AND OF CAL-OSHA.
10. CONTRACTOR SHALL FURNISH, INSTALL, AND MAINTAIN SUCH SHEETING, SHORING, BRACING, AND/OR OTHER PROTECTION AS IS NECESSARY TO PREVENT FAILURE OF TEMPORARY EXCAVATIONS AND EMBANKMENTS AND TO PREVENT DAMAGE TO EXISTING IMPROVEMENTS, TEMPORARY IMPROVEMENTS, AND PARTIALLY COMPLETED PORTIONS OF THE WORK. CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE SUFFICIENCY OF SUCH SUPPORTS AND/OR OTHER PROTECTION.
11. THE CONTRACTOR SHALL EXPOSE AND VERIFY THE LOCATION AND ELEVATION OF ALL EXISTING IMPROVEMENTS PRIOR TO BEGINNING WORK.

SURVEY NOTES

TOPOGRAPHIC INFORMATION SHOWN IN THESE PLANS IS BASED ON AN AERIAL SURVEY PREPARED BY HJW GEOSPATIAL, INC. THE BASIS OF BEARINGS FOR THIS SURVEY IS THE CALIFORNIA COORDINATE SYSTEM NAD83 ZONE 5 (EPOCH 2004.0) AS DETERMINED LOCALLY BY A LINE BETWEEN CONTINUOUS GLOBAL POSITIONING STATIONS (CGPS) AND/OR CONTINUOUS OPERATING REFERENCE STATIONS (CORS) SPK1 & AOA1 BEING S56-56-34E AS DERIVED FROM GEODETIC VALUES PUBLISHED BY THE CALIFORNIA SPATIAL REFERENCE CENTER (CSRC) AND/OR THE NATIONAL GEODETIC SURVEY (NGS), RESPECTIVELY.

VERTICAL DATUM: NAVD88, EPOCH 2004.0 PER GPS TIES & GEOID MODELING (GEOID03) TO LA. CO BENCHMARKS Y 5415 (2003 ADJ.) & Y 10346 (2003 ADJ.)

STORM DRAIN SPECIFICATIONS

1. STORM DRAINS, DROP INLETS, TRENCHING, BACKFILLING, ETC., SHALL BE CONSTRUCTED IN ACCORDANCE WITH APPLICABLE SECTIONS OF THE LATEST EDITION OF THE LOS ANGELES COUNTY DEPARTMENT OF PUBLIC WORKS STANDARD PLANS EXCEPT AS MODIFIED BY THESE PLANS.
2. MISCELLANEOUS DRAINAGE FACILITIES SHALL BE CONSTRUCTED AS SHOWN ON TYPICAL DETAILS, SECTIONS AND NOTES ON THESE PLANS.

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CONCEPT - REDESIGN ALTERNATIVE

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NO.	DATE	REVISIONS	APPD.

Penfield & Smith
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DESIGN JHC CHECKED BEF

BRET. E. FOSTER DATE:
PROJECT ENGINEER
R.C.E. 48,267 (EXP. 06-30-10)

GENERAL CONSTRUCTION AND UTILITY NOTES

SANTA MONICA MOUNTAINS CONSERVANCY
MALIBU, CALIFORNIA

P&S PROJECT NO. 13638.05
SHEET 2 OF 63
PLAN DATE JANUARY 15, 2010

34-ENG SAVE DATE:1/14/2010 11:55:07 AM PLOT BY:Scott Smith PLOT DATE:1/15/2010 9:59:55 AM PLOT SCALE:1:10
DRAWING:r:\acad\work\13638\civil\redesign alt 1-15-10\13638_redesign_01-03_ttl.dwg