ROADWAY 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 INFRASTRUCTURE 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. 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.

3. 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.

4. 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 ACCORDING TO THE MANUAL OF TRANSPORTATION CONTROL.

5. ACCESS SHALL BE MAINTAINED TO PROPERTIES AFFECTED BY THE CONSTRUCTION OPERATIONS. 48 HOURS NOTICE IS REQUIRED TO ALL PROPERTIES PRIOR TO ANY ROAD OR ACCESS CLOSURE.

6. UNDERGROUND UTILITY RESEARCH WAS NOT PERFORMED BY THE ENGINEER, THE CONTRACTOR SHALL 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, PIPES, CONDUITS AND STRUCTURES, INCLUDING SERVICE CONNECTIONS, WHICH MAY AFFECT OR BE EFFECTED 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.

7. REMOVAL OF CONFLICTING MATERIALS (UTILITIES, PAVEMENT, WALLS, ETC.) SHALL BE DISPOSED OF OFFSITE IN A LEGAL AND SAFE MANNER AT THE CONTRACTOR EXPENSE.

8. TRUCKS TRANSPORTING MATERIAL TO AND FROM THE SITE SHALL BE TARPED FROM THE POINT OF ORIGIN.

9. THE CONTRACTOR SHALL EMPLOY ALL LABOR, EQUIPMENT AND METHODS REQUIRED TO PREVENT HIS OPERATIONS FROM PRODUCING DUST IN AMOUNTS DAMAGING TO ADJACENT PROPERTY, CULTIVATED VEGETATION AND DOMESTIC ANIMALS OR CAUSING A NUISANCE TO PERSONS OCCUPYING BUILDINGS IN THE VICINITY OF THE JOB SITE. DUST GENERATED BY THE DEVELOPMENT ACTIVITIES SHALL BE RETAINED ONSITE AND KEPT TO A MINIMUM.

10. EXISTING PERMANENT SURVEY MONUMENTS, INCLUDING PROPERTY CORNERS AND BENCHMARKS, SHALL BE PRESERVED BY THE CONTRACTOR. IF MONUMENTS CANNOT BE PRESERVED, THEN THE CONTRACTOR SHALL ENGAGE THE SERVICES OF A CALIFORNIA LAND SURVEYOR TO TIE-OUT SAID MONUMENTS PRIOR TO CONSTRUCTION. AFTER CONSTRUCTION, THE LICENSED LAND SURVEYOR SHALL RESET MONUMENTS AND FILE A CORNER RECORD WITH THE COUNTY SURVEYOR. KNOWN SURVEY MONUMENTS ARE SHOWN HEREON.

11. ALL ROAD ENCROACHMENTS WITHIN THE 20-FOOT FIRE ACCESS ROAD SHALL BE REMOVED AND REINSTALLED TO A MINIMUM 1-FOOT OUTSIDE THE EDGE OF PAVEMENT.

12. RELOCATION OF MAILBOXES SHALL BE DONE IN ACCORDANCE WITH THE UNITED STATES POSTAL SERVICE AND THE AFFECTED PROPERTY OWNER.

13. ALL ROADWAY IMPROVEMENTS SHALL MAINTAIN EXISTING DRAINAGE PATTERNS.

ROADWAY IMPROVEMENT NOTES

1. ROADWAY IMPROVEMENTS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST EDITION OF THE LOS ANGELES COUNTY DEPARTMENT OF TRANSPORTATION, THE AMERICAN PUBLIC WORKS ASSOCIATIONS (APWA) AND CALTRANS STANDARD SPECIFICATIONS AND DETAILS.

2. ALL EXCAVATIONS OR TRENCHES IN PAVED AREAS SHALL REQUIRE SAW CUTTING IN A NEAT AND UNIFORM MANNER. ALL MATCH OR JOIN LINES TO EXISTING ASPHALTIC CONCRETE PAVING SHALL BE SAWCUT.

3. ASPHALT CONCRETE SHALL CONFORM TO CALTRANS STANDARD SPECIFICATIONS. AGGREGATE SHALL BE TYPE B 1/2" MAXIMUM, MEDIUM GRADE PER SECTION 39. ASPHALT SHALL BE PG64-16 PER SECTION 92.

4. AGGREGATE BASE SHALL BE CLASS 2 3/4" MAXIMUM AGGREGATE BASE PER CALTRANS STANDARD SPECIFICATION 26. AGGREGATE BASE SHALL BE COMPACTED TO 95% RELATIVE COMPACTION.

5. BEFORE PAVING, A PAINT BINDER (TACK COAT) OF ASPHALTIC EMULSION SHALL BE APPLIED TO ALL EXISTING VERTICAL FACES AGAINST WHICH PAVING IS TO BE PLACED AND BETWEEN PAVEMENT COURSES CONSTRUCTED MORE THAN 24 HOURS APART. TACK COAT SHALL BE SS1h PER CALTRANS STANDARD SPECIFICATION SECTION 94.

6. ALL EXISTING AND PROPOSED VALVE AND UTILITY BOXES AND MANHOLE FRAMES AND COVERS SHALL BE ADJUSTED TO FINISH GRADE IN PAVED AREAS.

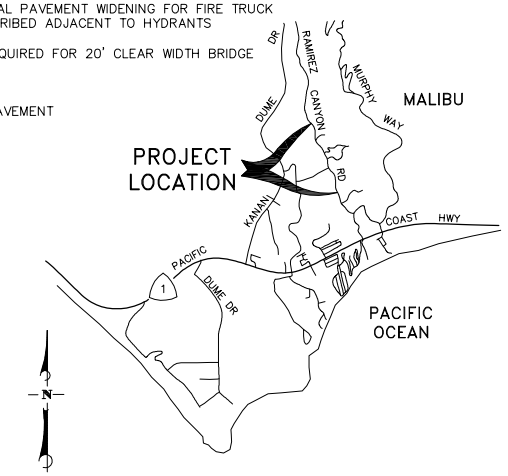
7. RAMIREZ CANYON ROAD PREFABRICATED BRIDGE SHALL SELF WEATHERING STEEL WITH HS-25 LOAD CAPACITY OR A 75KIP VEHICLE LOAD, WHICHEVER IS GREATER. BRIDGE DESIGN SHALL BE DONE BY OTHERS.

RAMIREZ CANYON ROAD PAVEMENT ANALYSIS

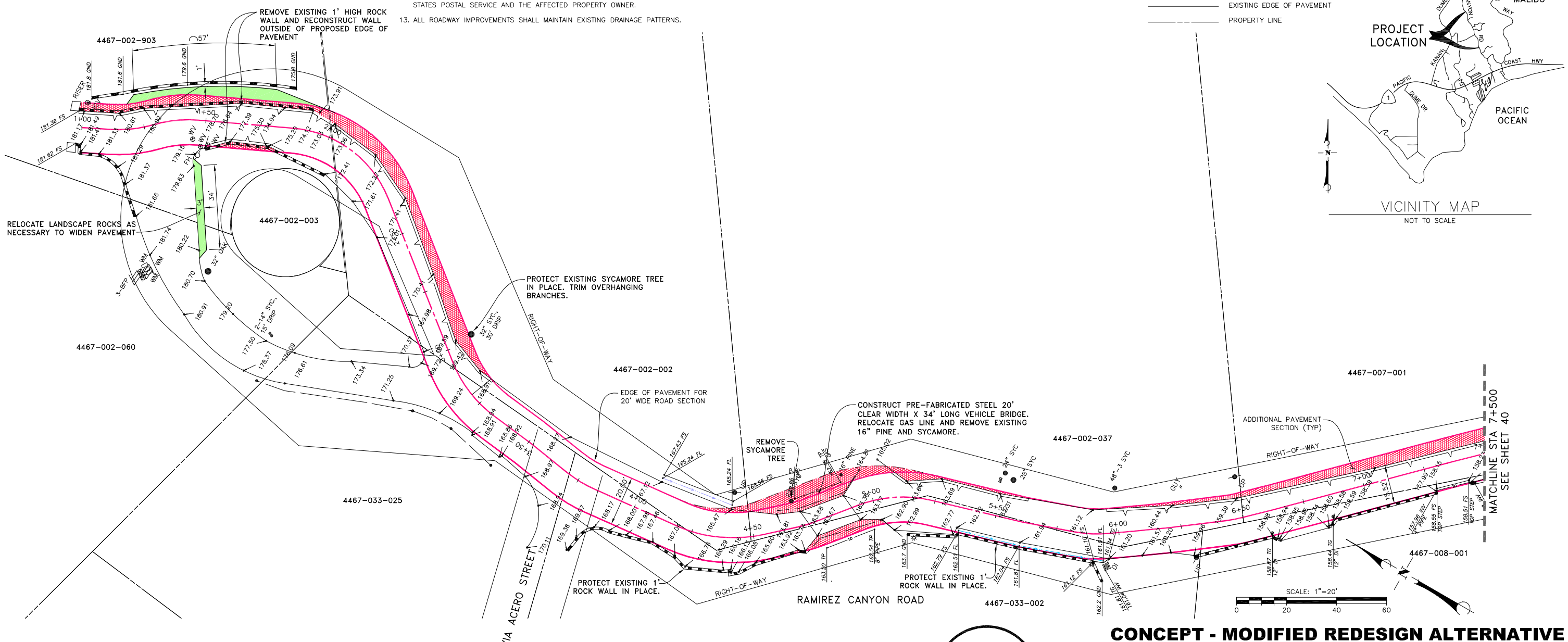
	WEST (SF)	EAST (SF)	LENGTH OF IMPROVEMENTS (FT)
RAMIREZ CANYON ROAD	1,536	7,910	2,773
DELAPLANE	425	1,520	700
SUBTOTAL	1,961	9,430	3,473
20% CONTINGENCY	392	1,886	695
TOTAL	13,669		4,168
20' WIDE ROAD TOTAL	113,600		5,680
ADDITIONAL AC PAVEMENT AS PERCENTAGE OF TOTAL	12.0%		73.4%

LEGEND

- ADDITIONAL AC PAVEMENT REQUIRED TO OBTAIN 20' ROAD WIDTH
- PROPOSED 20-FOOT WIDE ACCESS ROAD
- ADDITONAL PAVEMENT WIDENING FOR FIRE TRUCK PURPOSES AS PRESCRIBED ADJACENT TO HYDRANTS
- ALTERNATE ADDITIONAL PAVEMENT WIDENING FOR FIRE TRUCK PURPOSES AS PRESCRIBED ADJACENT TO HYDRANTS
- ADDITIONAL AREA REQUIRED FOR 20' CLEAR WIDTH BRIDGE
- SAWCUT LINE
- EXISTING EDGE OF PAVEMENT
- PROPERTY LINE



VICINITY MAP
NOT TO SCALE



CONCEPT - MODIFIED REDESIGN ALTERNATIVE

FOR REDUCED PLANS ORIGINAL SCALE IN INCHES
0 1 2 3

NO.	DATE	REVISIONS	APPD.

Penfield & Smith
Engineering · Surveying · Planning · Construction Management ·
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Phone: (805) 963-9532 Fax: (805) 966-9801

DESIGN BEF CHECKED MLO
BRET FOSTER DATE:
PROJECT ENGINEER
R.C.E. 48,267 (EXP. 06-30-12)

STATION 1+00 TO 7+50
RAMIREZ CANYON ROAD
SANTA MONICA MOUNTAINS CONSERVANCY
MALIBU, CALIFORNIA

P&S PROJECT NO. 13638.09
SHEET 39 OF 63
PLAN DATE JULY 23, 2010

34-ENG SAVE DATE: 7/23/2010 9:10:33 AM PLOT BY:Bret Foster PLOT DATE:7/23/2010 9:21:57 AM PLOT SCALE:1:1
DRAWING:r:\acad\work\13638\civil\4-2002 lcp\13638_2002lcp_39-44_ramirez road.dwg