

Appendix A

A.1 – Coastal Slope Trail Murphy Way to Escondido Falls
Trail Development Plan Set

A.2 – Coastal Slope Trail Murphy Way to Escondido Falls
Trail Signage Plan

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COASTAL SLOPE TRAIL

MURPHY WAY TO

ESCONDIDO FALLS TRAIL

MALIBU, CALIFORNIA

PROJECT INFORMATION

PROJECT APPLICANT: MOUNTAINS RECREATION & CONSERVATION AUTHORITY
570 WEST AVENUE 26, SUITE 100
LOS ANGELES, CA 90065

ASSESSOR PARCEL NUMBER: 4467-003-900, AND 4460-002-902

ADDRESS: 5713 MURPHY WAY
MALIBU, CA 90265

PROJECT CIVIL ENGINEER: STANTEC CONSULTING SERVICES INC.
111 E. VICTORIA ST.
SANTA BARBARA, CA
805-963-9532

GEOTECHNICAL ENGINEER: SOUTHWESTERN ENGINEERING GEOLOGY
1119 ORIOLE CIRCLE
FILLMORE, CA 93015
805-524-4418

EARTHWORK

*NOTE: EARTHWORK IS BEING SUBMITTED UNDER A SEPARATE SET "ROUGH GRADING PLANS". THE EARTHWORK DATA SHOWN HERE IS FOR INFORMATIONAL PURPOSES ONLY.

RAW EARTHWORK QUANTITIES:

TOTAL ONSITE AREA:
THE OVERALL TOTAL DEVELOPMENT SQUARE FOOTAGE (TDSF) FOR THIS COASTAL SLOPE TRAIL IS 16,931.40 SQ FT (0.3887 ACRES). TRAIL STATIONS 0+00 TO 40+00.

TOTAL ONSITE EARTHWORK:
CUT = 312.42 CY
FILL = 13.69 CY
NET = 289.73 CY (CUT)

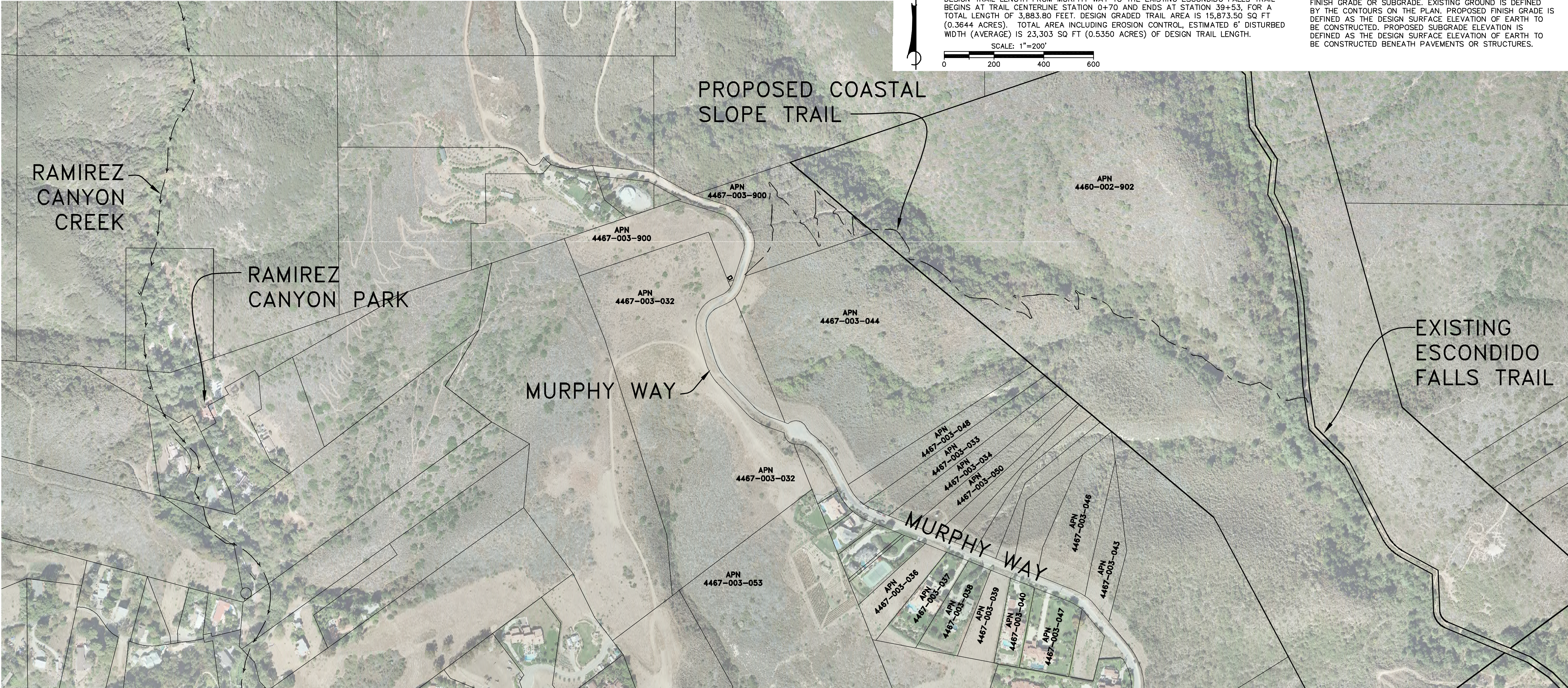
EARTHWORK NOTES:

THE ABOVE QUANTITIES ARE APPROXIMATE IN PLACE VOLUMES CALCULATED FROM THE EXISTING GROUND TO THE PROPOSED FINISH GRADE OR SUBGRADE. EXISTING GROUND IS DEFINED BY THE CONTOURS ON THE PLAN. PROPOSED FINISH GRADE IS DEFINED AS THE DESIGN SURFACE ELEVATION OF EARTH TO BE CONSTRUCTED. PROPOSED SUBGRADE ELEVATION IS DEFINED AS THE DESIGN SURFACE ELEVATION OF EARTH TO BE CONSTRUCTED BENEATH PAVEMENTS OR STRUCTURES.

DESIGN INFORMATION:
DESIGN TRAIL LENGTH FROM MURPHY WAY TO THE EXISTING ESCONDIDO FALLS TRAIL BEGINS AT TRAIL CENTERLINE STATION 0+70 AND ENDS AT STATION 39+53, FOR A TOTAL LENGTH OF 3,883.80 FEET. DESIGN GRADED TRAIL AREA IS 15,873.50 SQ FT (0.3644 ACRES). TOTAL AREA INCLUDING EROSION CONTROL, ESTIMATED 6" DISTURBED WIDTH (AVERAGE) IS 23,303 SQ FT (0.5350 ACRES) OF DESIGN TRAIL LENGTH.

SCALE: 1"=200'

0 200 400 600



COASTAL SLOPE TRAIL

MURPHY WAY TO ESCONDIDO FALLS TRAIL



DESIGN JHC/KB CHECKED BEF

BRET FOSTER DATE: _____

PROJECT ENGINEER

R.C.E. 48,267 (EXP. 6-30-18)



TITLE SHEET

SANTA MONICA MOUNTAINS CONSERVANCY

MOUNTAINS RECREATION & CONSERVATION AUTHORITY

MALIBU, CALIFORNIA

P&S PROJECT NO.
2064119400/13638.05

SHEET
1 OF 16

PLAN DATE
MARCH 13, 2017

FOR REDUCED PLANS
ORIGINAL SCALE IN INCHES



The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay.

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NO.	DATE	REVISIONS	APPD.

34-ENG SAVE DATE: 2/24/2017 8:57:51 AM PLOT BY: Foster, Bret PLOT DATE: 3/13/2017 6:19:33 AM PLOT SCALE: 1:200

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34-ENG SAVE DATE: 2/24/2017 8:57:51 AM PLOT BY: Foster, Bret PLOT SCALE: 1:200 PLOT DATE: 3/13/2017 6:22:48 AM

GENERAL CONSTRUCTION NOTES

- ALL OF THE IMPROVEMENTS PROPOSED IN THIS 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 EXISTING UTILITY AND INFRASTRUCTURE RESEARCH, FIELD SURVEY, FINAL ENGINEERING AND IN ACCORDANCE WITH APPLICABLE CODES, LAWS AND THE PROJECT CONDITIONS OF APPROVAL.
- 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.
- GRADING OR OTHER CONSTRUCTION WORK OFFSITE IS NOT PERMITTED WITHOUT PRIOR WRITTEN PERMISSION OF THE AFFECTED OFFSITE PROPERTY OWNERS.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO REVIEW THE PROJECT'S CONDITIONS OF APPROVAL AND ABIDE BY THEIR REQUIREMENTS AS APPLICABLE.
- 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.
- BEFORE BEGINNING WORK, THE CONTRACTOR SHALL CONTACT THE OWNER, THE APPLICABLE UTILITY COMPANIES, THE SOILS ENGINEER, AND THE PROJECT DESIGN ENGINEER (STANTEC), 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.
- 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.
- 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.
- THE ROUGH GRADING CONTRACTOR SHALL GRADE TO SUBGRADE.

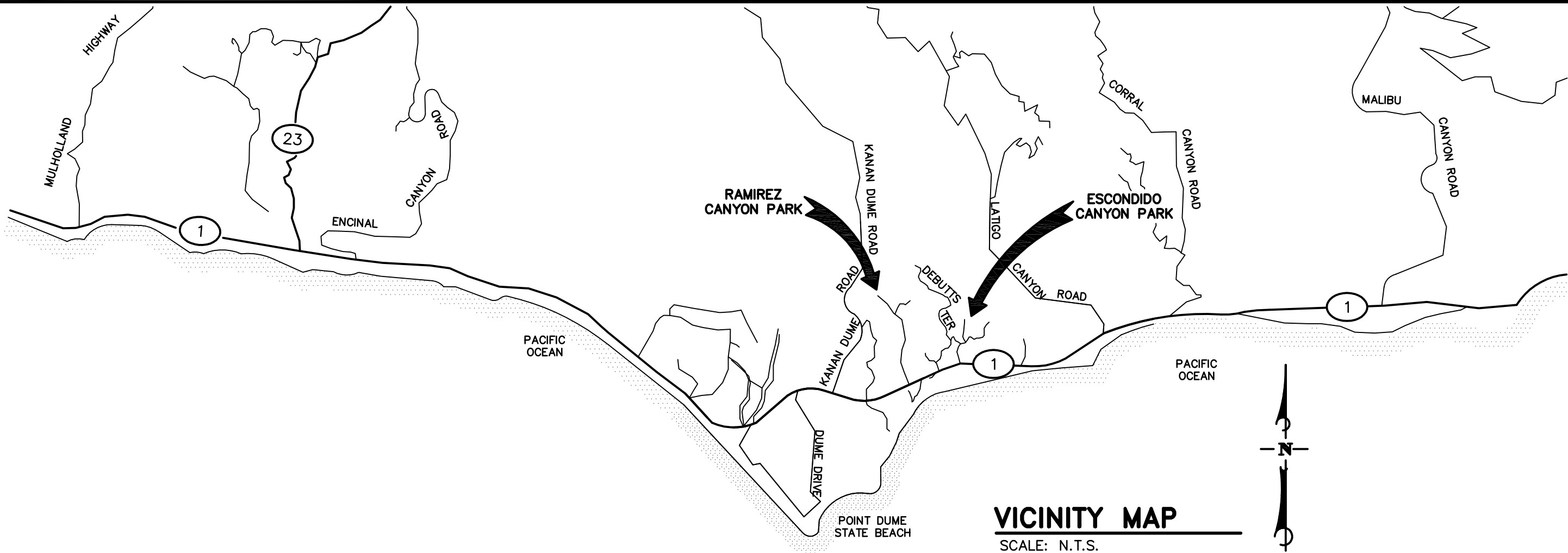
GENERAL REQUIREMENTS OF CONTRACTOR

- 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.
 - THE CONTRACTOR SHALL PROMPTLY NOTIFY THE PROJECT ENGINEER, OWNER: SANTA MONICA MOUNTAINS CONSERVANCY AND MOUNTAINS RECREATION AND CONSERVATION AUTHORITY, BY PHONE AND IN WRITING UPON DISCOVERY OF, AND BEFORE DISTURBING, ANY PHYSICAL CONDITIONS DIFFERING FROM THOSE REPRESENTED BY APPROVED PLANS AND SPECIFICATIONS.
 - 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.
 - 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.
 - 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.
 - 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.
 - 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.
- ALL GRADING AND BACKFILL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH THESE PLANS.
 - WATER ENCOUNTERED IN THE EXCAVATION SHALL BE REMOVED BY THE CONTRACTOR TO THE SATISFACTION OF THE SOILS ENGINEER TO PROVIDE DRY CONDITIONS DURING CONSTRUCTION.
 - WET OR UNSTABLE SOIL ENCOUNTERED IN THE BOTTOM OF THE EXCAVATION AND DEEMED BY THE SOILS ENGINEER TO BE INCAPABLE OF PROPERLY SUPPORTING THE FILL BEING CONSTRUCTED, SHALL BE REMOVED TO THE DEPTH RECOMMENDED BY THE SOILS ENGINEER AND BACKFILLED WITH SUITABLE MATERIAL RECOMMENDED BY THE SOILS ENGINEER.
 - BACKFILL COMPACTION SHALL BE IN ACCORDANCE WITH ASTM STANDARD D-1557, LATEST REVISION.
 - COMPACTION BY FLOODING OR JETTING IS NOT PERMITTED UNLESS SPECIFICALLY APPROVED BY THE SOILS ENGINEER.
 - 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.

GRADING AND BACKFILLING

GENERAL GRADING & DRAINAGE NOTES

- UNDERGROUND SERVICE ALERT (U.S.A.) SHALL BE CONTACTED AT (800) 422-4133, FORTY-EIGHT (48) HOURS PRIOR TO START OF ANY GRADING OPERATIONS.
- NOISE GENERATING CONSTRUCTION ACTIVITIES SHALL BE LIMITED TO THE HOURS OF 7:00 AM TO 5:00 PM, MONDAY THROUGH FRIDAY. CONSTRUCTION EQUIPMENT MAINTENANCE SHALL BE LIMITED TO THE SAME HOURS. STATIONARY CONSTRUCTION EQUIPMENT THAT GENERATES NOISE WHICH EXCEEDS 65 dBA AT THE PROJECT BOUNDARIES SHALL BE SHIELDED AND SHALL BE LOCATED AT A MINIMUM OF 50 FEET FROM OCCUPIED RESIDENCES.
- ALL GRADING SHALL CONFORM TO THESE CONSTRUCTION DOCUMENTS, ANY CONSTRUCTION RECOMMENDATIONS BY THE PROJECT SOILS ENGINEER OR ENGINEERING GEOLOGIST, THE CONDITIONS OF APPROVAL AND THE PERMIT CONDITIONS.
- 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. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED BY DUST RESULTING FROM GRADING OPERATIONS.
- A THOROUGH SEARCH SHALL BE MADE FOR ALL ABANDONED MAN-MADE FACILITIES SUCH AS SEPTIC TANK SYSTEMS, FUEL OR WATER STORAGE TANKS, AND PIPELINES OR CONDUITS. ANY SUCH FACILITIES ENCOUNTERED SHALL BE REMOVED UNLESS OTHERWISE ALLOWED BY THE PROJECT ENGINEER AND THE SOILS ENGINEER.
- AREAS WITH EXISTING SLOPES WHICH ARE TO RECEIVE FILL MATERIAL SHALL BE KEYED AND BENCHMARKED. THE DESIGN AND INSTALLATION OF THE KEYWAY SHALL BE PER THE DETAILS PROVIDED IN THESE PLANS AS MODIFIED BY THE GEOTECHNICAL ENGINEER.
- FILL MATERIAL SHALL BE SPREAD IN LIFTS NOT EXCEEDING 8-INCHES IN COMPACTED THICKNESS, MOISTENED OR DRIED AS NECESSARY TO NEAR OPTIMUM MOISTURE CONTENT AND COMPACTED BY AN APPROVED METHOD. FILL MATERIAL NEAR OR BELOW STRUCTURES SHALL BE COMPACTED TO A MINIMUM OF 90% MAXIMUM DRY DENSITY AS DETERMINED BY A.S.T.M. D-1557-91 MODIFIED PROCTOR (ASHTO) TEST OR SIMILAR APPROVED METHODS. SOME FILL AREAS MAY REQUIRE COMPACTION TO A GREATER DENSITY AS CALLED FOR IN CONSTRUCTION DOCUMENTS.
- ALL TREES NOT DESIGNATED TO BE REMOVED AND TO REMAIN ON SITE SHALL BE PROTECTED FROM DAMAGE BY TEMPORARY FENCING AROUND THE DRIPLINE DURING GRADING OPERATION.
- STONES LARGER THAN 6 INCHES IN DIAMETER SHALL NOT BE PLACED IN THE FILL, AND NO STONES LARGER THAN 3 INCHES IN DIAMETER BEING PLACED IN THE UPPER THREE FEET OF FILL. STONES LESS THAN 6 INCHES IN DIAMETER SHALL BE THOROUGHLY MIXED WITH THE SOIL, IN SUCH A MANNER THAT NO VOIDS IN THE FILL ARE CREATED.
- EARTH MOVING AND WORKING OPERATIONS SHALL BE CONTROLLED TO PREVENT WATER FROM RUNNING INTO EXCAVATED AREAS. EXCESS WATER SHALL BE PROMPTLY REMOVED AND THE SITE KEPT DRY. FILL MATERIAL SHALL NOT BE PLACED, SPREAD, OR ROLLED DURING UNFAVORABLE WEATHER CONDITIONS. WHEN THE WORK IS INTERRUPTED BY HEAVY RAIN, FILL OPERATIONS SHALL NOT BE RESUMED UNTIL FIELD TESTS BY THE SOILS ENGINEER INDICATE THAT THE MOISTURE CONTENT AND DENSITY OF THE FILL ARE ABLE TO BE PLACED AND MEET THE REQUIRED COMPACTION.
- FILL SLOPES SHALL BE OVERFILLED AND TRIMMED BACK TO EXPOSE A COMPACTED CORE IN ORDER TO ENSURE PROPER COMPACTION AT THE FACE OF THE SLOPE. ALTERNATIVELY, THE SLOPE FACES MAY BE COMPACTED BY SHEEPSFOOT, OR OTHER APPROPRIATE METHOD TO ACHIEVE 90% RELATIVE COMPACTION AT THE EXPOSED SLOPE FACE.
- WHEN THE MOISTURE CONTENT OF THE FILL MATERIAL IS NOT SUFFICIENT TO ACHIEVE REQUIRED COMPACTION, WATER SHALL BE ADDED UNTIL THE SOILS ATTAIN A MOISTURE CONTENT SO THAT THOROUGH BONDING IS ACHIEVED DURING THE COMPACTING PROCESS. WHEN THE MOISTURE CONTENT OF THE FILL MATERIAL IS EXCESSIVE, THE FILL MATERIAL SHALL BE AERATED BY BLADING OR OTHER SATISFACTORY METHODS UNTIL THE MOISTURE CONTENT IS REDUCED TO AN ACCEPTABLE CONTENT TO ACHIEVE PROPER COMPACTION.
- THE COMPACTION STANDARD SHALL BE THE ASTM D 1557 METHOD OF COMPACTION.
- REMOVED SOIL, IF FREE FROM DELETERIOUS MATERIAL MAY BE PLACED IN LIFTS NOT EXCEEDING 8 INCHES IN DEPTH, BROUGHT TO NEAR OPTIMUM MOISTURE CONTENT AND COMPACTED TO A MINIMUM OF 90% RELATIVE COMPACTION.



SURVEY NOTES

TOPOGRAPHIC INFORMATION SHOWN IN THESE PLANS IS BASED ON AN AERIAL SURVEY PREPARED BY HW 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 & AO1 BEING S56-S6-34E 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 & GEIOD MODELING (GEIOD03) TO LA. CO BENCHMARKS Y 5415 (2003 ADJ.) & Y 10346 (2003 ADJ.)

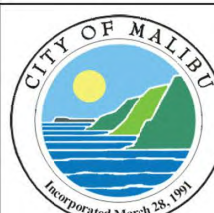
GRADING & DRAINAGE SUPERVISION NOTES

GRADING SUPERVISION REQUIREMENTS SHALL BE COMPLIED WITH AS FOLLOWS:

- THE PROJECT ENGINEER SHALL BE A REPRESENTATIVE OF STANTEC.
- LINE AND GRADE STAKES SHALL BE SET BY SURVEYORS UNDER THE GENERAL SUPERVISION OF THE PROJECT ENGINEER. THE PROJECT ENGINEER SHALL PROVIDE GENERAL CONSTRUCTION REVIEW.
- THE SOILS ENGINEER SHALL PROVIDE GENERAL REVIEW OF THE GRADING AND SUBGRADE PREPARATION AND PERFORM COMPACTION TESTING AS NECESSARY TO ENSURE QUALITY CONSTRUCTION AND COMPLY WITH THE GRADING ORDINANCE.
- UPON COMPLETION OF CONSTRUCTION, THE PROJECT ENGINEER SHALL PREPARE RECORD DRAWINGS BASED UPON THE CONTRACTOR'S REDLINE DRAWINGS. ENGINEER SHALL SUBMIT A REPORT INDICATING THAT THE IMPROVEMENTS HAVE BEEN COMPLETED IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED PLANS AND SPECIFICATIONS.
- THE SOILS ENGINEER SHALL PROVIDE GENERAL REVIEW OF THE GRADING AND SUBGRADE PREPARATION, PERFORM COMPACTION TESTING, AND PERFORM SPECIAL INSPECTIONS. CERTIFICATIONS BY THE PROJECT SOILS ENGINEER SHALL BE REQUIRED DURING THE PLACEMENT OF ENGINEERED FILL MATERIAL AND CONSTRUCTION OF ANY RETAINING STRUCTURES. ENGINEERED FILL SHALL BE TESTED FOR COMPACTION AT THE MINIMUM RATE OF (1) TEST PER 250 CUBIC YARDS OF MATERIAL PLACED OR EVERY 18 VERTICAL INCHES OF COMPACTED FILL PLACED, WHICHEVER IS LESS. THE SOILS ENGINEER SHALL HAVE THE DISCRETION TO INCREASE COMPACTION TESTING AS DEEMED NECESSARY.

INDEX TO SHEETS

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- TRAIL GRADING DETAILS
- TRAIL EROSION CONTROL DETAILS
- SLOPE MAP



City of Malibu
23825 Stuart Ranch Road · Malibu, California · 90265-4861
Phone (310) 456-2489 · Fax (310) 456-7650 · www.malibucity.org

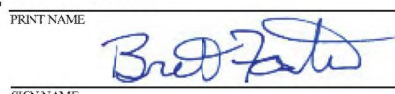
TOTAL GRADING YARDAGE VERIFICATION CERTIFICATE
PLANNING DEPARTMENT REVIEW LEVEL

PROJECT NUMBER: APR 16-050
PROJECT ADDRESS: 5713 Murphy Way


All projects proposing land form alteration which involves more than 100 cubic yards of grading shall complete this form. The completed form must be provided at the time of Planning Department application for grading approval. All applicable cubic yardages shall be completed in the table. **All calculations utilized to estimate the cubic yardages indicated shall be attached to this form.** This form and the required calculations must be prepared by a State of California Licensed Civil Engineer. The form and the calculations shall be stamped and wet signed by the preparing party.

	Exempt			Non-Exempt	Remedial	Total
	R&R	Understructure	Safety			
Cut				312		312
Fill				14		14
Total				326		326
Import						
Export				298		298

All quantities indicated shall be in cubic yards only.
R&R = Removal and Recompectation - R&R must be balanced.
Safety Grading is required grading for L.A. County Fire Department access approval beyond the 15 foot minimum access and may include turnouts, hammerheads, turnarounds, and access roadway widening.
Remedial grading is grading recommended by a full site geotechnical or soils report prepared by a licensed geologist or soils engineer which is necessary to correct physical deficiencies on the site for the construction of a primary residential structure or access to the lot.
Imported means soil that is brought on to the site. Exported means soil that is leaving the site. This information will be used to calculate the number of truck trips required for site preparation.

PREPARED BY: Bret Foster
PRINT NAME

SIGNATURE

DATE: November 11, 2016



Page 1 of 1

COASTAL SLOPE TRAIL MURPHY WAY TO ESCONDIDO FALLS TRAIL

<div>FOR REDUCED PLANS ORIGINAL SCALE IN INCHES</div> <div></div>	The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay. The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.	<table><thead><tr><th>NO.</th><th>DATE</th><th>REVISIONS</th><th>APPD.</th></tr></thead><tbody><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr><tr><td> </td><td> </td><td> </td><td> </td></tr></tbody></table>	NO.	DATE	REVISIONS	APPD.																					<div><div>111 EAST VICTORIA STREET SANTA BARBARA, CA www.stantec.com</div></div> <div>DESIGN <u>JHC</u> CHECKED <u>BEF</u> BRET FOSTER DATE: _____ PROJECT ENGINEER R.C.E. 48,267 (EXP. 6-30-18)</div>	<div></div>	<div>GENERAL CONSTRUCTION NOTES SANTA MONICA MOUNTAINS CONSERVANCY MOUNTAINS RECREATION & CONSERVATION AUTHORITY MALIBU, CALIFORNIA</div>	<div>P&S PROJECT NO. 2064119400/13638.05 SHEET 2 OF 16 PLAN DATE MARCH 13, 2017</div>
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34-ENG SAVE DATE: 3/13/2017 6:25:59 AM PLOT BY: Foster, Bret PLOT DATE: 3/13/2017 6:25:04 AM PLOT SCALE: 1:10



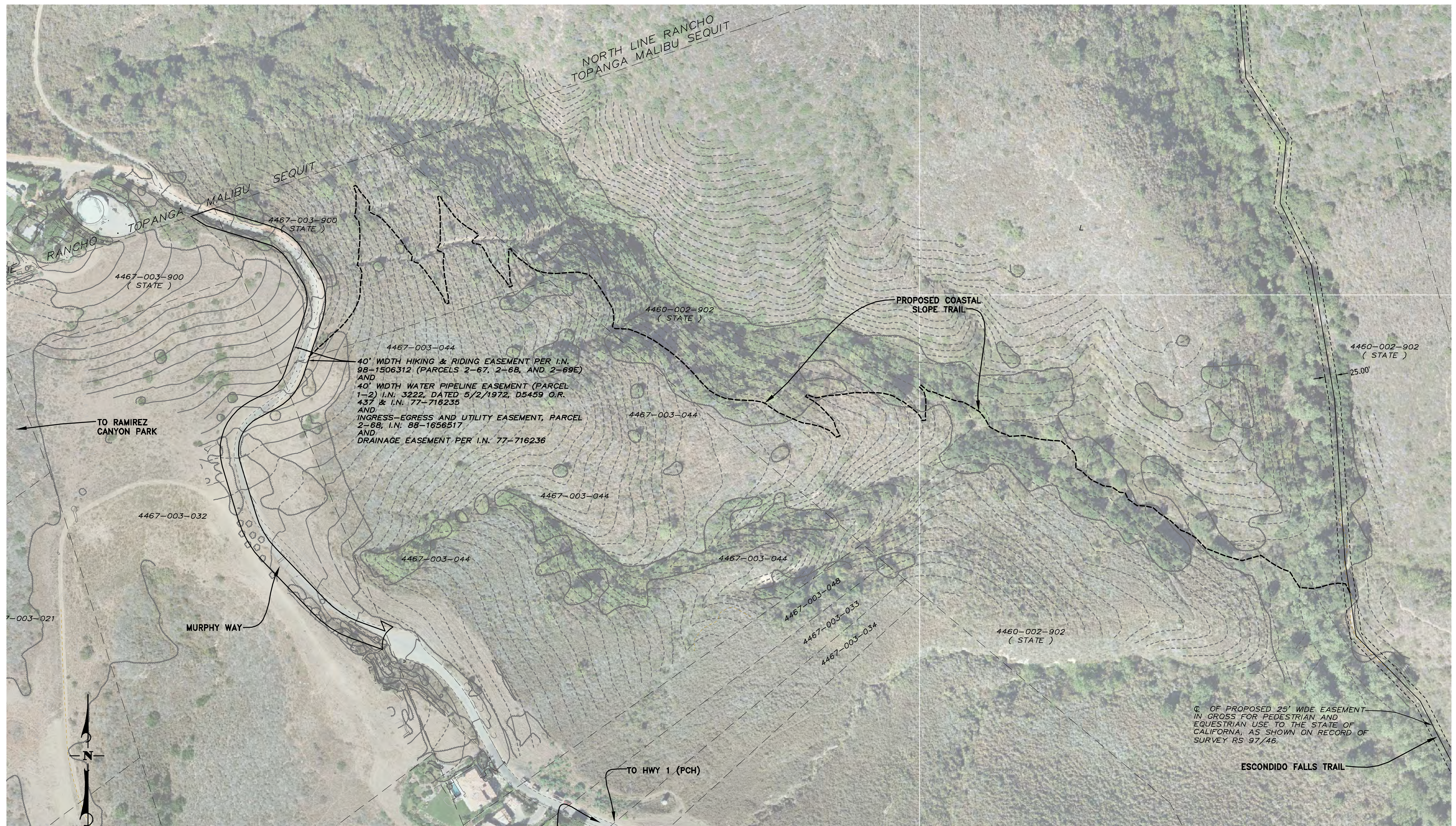
TRAIL PARKING AND ACCESS FROM PACIFIC COAST HIGHWAY TO MURPHY WAY AND TO ESCONDIDO CANYON

COASTAL SLOPE TRAIL
MURPHY WAY TO ESCONDIDO FALLS TRAIL

FOR REDUCED PLANS ORIGINAL SCALE IN INCHES 0 1 2 3	The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay. The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.	NO.	DATE	REVISIONS	APPD.	 11 EAST VICTORIA STREET SANTA BARBARA, CA www.stantec.com	DESIGN JHC CHECKED BEF		OVERVIEW SANTA MONICA MOUNTAINS CONSERVANCY MOUNTAINS RECREATION & CONSERVATION AUTHORITY MALIBU, CALIFORNIA	P&S PROJECT NO. 2064119400/13638.05
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34-ENG SAVE DATE: 3/13/2017 6:28:50 AM PLOT BY: Foster, Bret PLOT DATE: 3/13/2017 6:28:09 AM PLOT SCALE: 1:10



SCALE: 1"=100'
0 100 200 300

FOR PARKING AREA NEAR PCH ON WINDING
WAY, SEE PARKING INSET DETAIL THIS SHEET

MURPHY WAY TO ESCONDIDO CANYON SITE OVERVIEW

COASTAL SLOPE TRAIL MURPHY WAY TO ESCONDIDO FALLS TRAIL

SITE OVERVIEW
SANTA MONICA MOUNTAINS CONSERVANCY
MOUNTAINS RECREATION & CONSERVATION AUTHORITY
MALIBU, CALIFORNIA

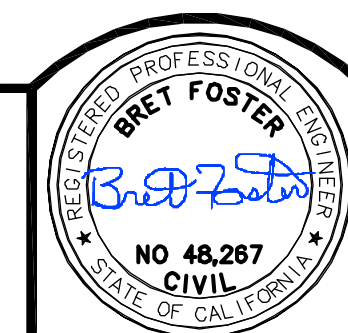
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2064119400/13638.05
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NO.	DATE	REVISIONS	APPD.

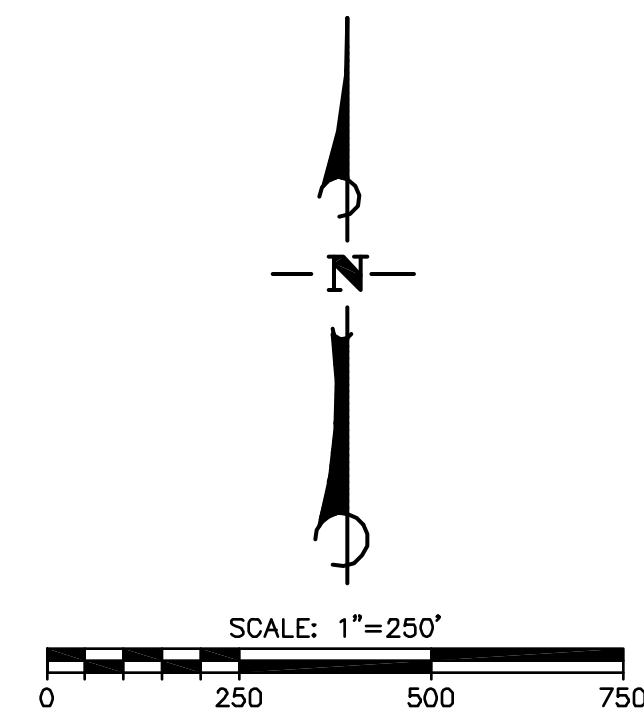
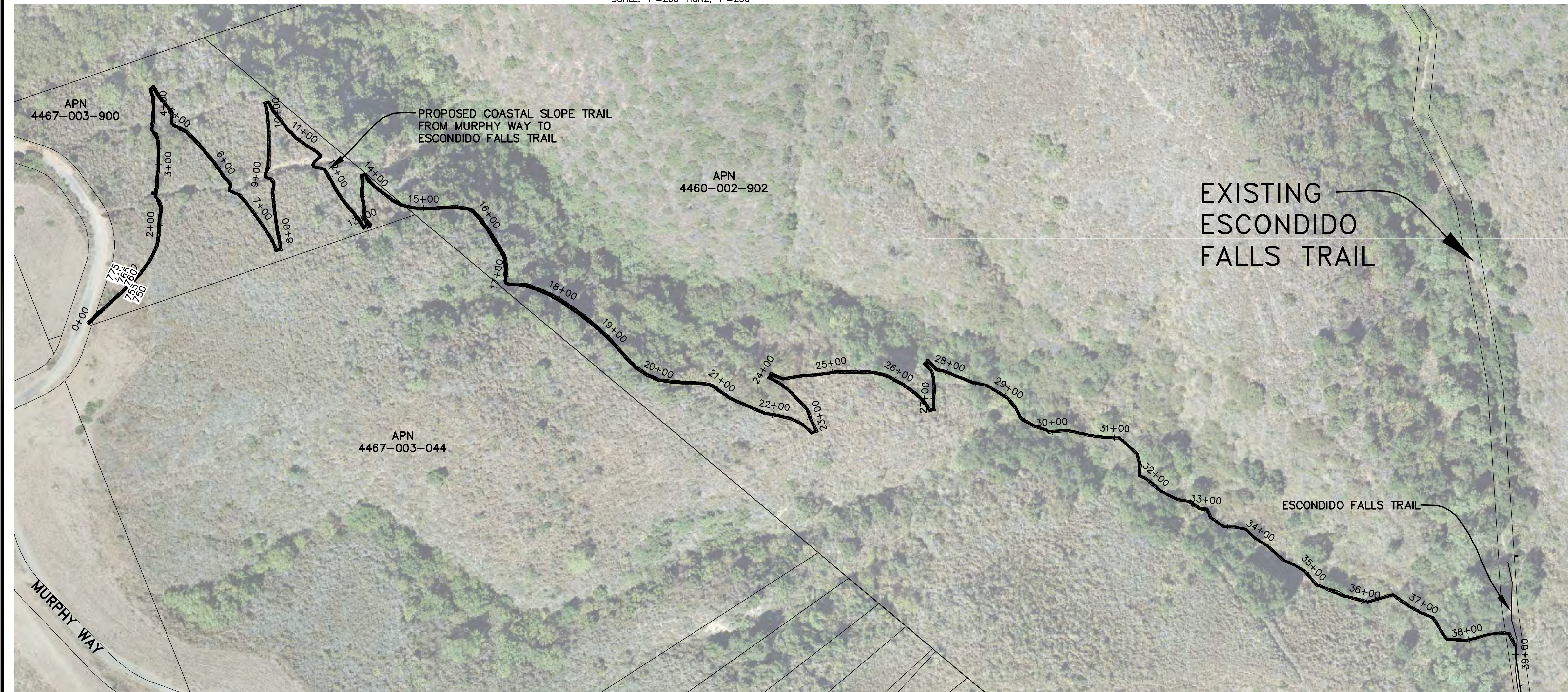
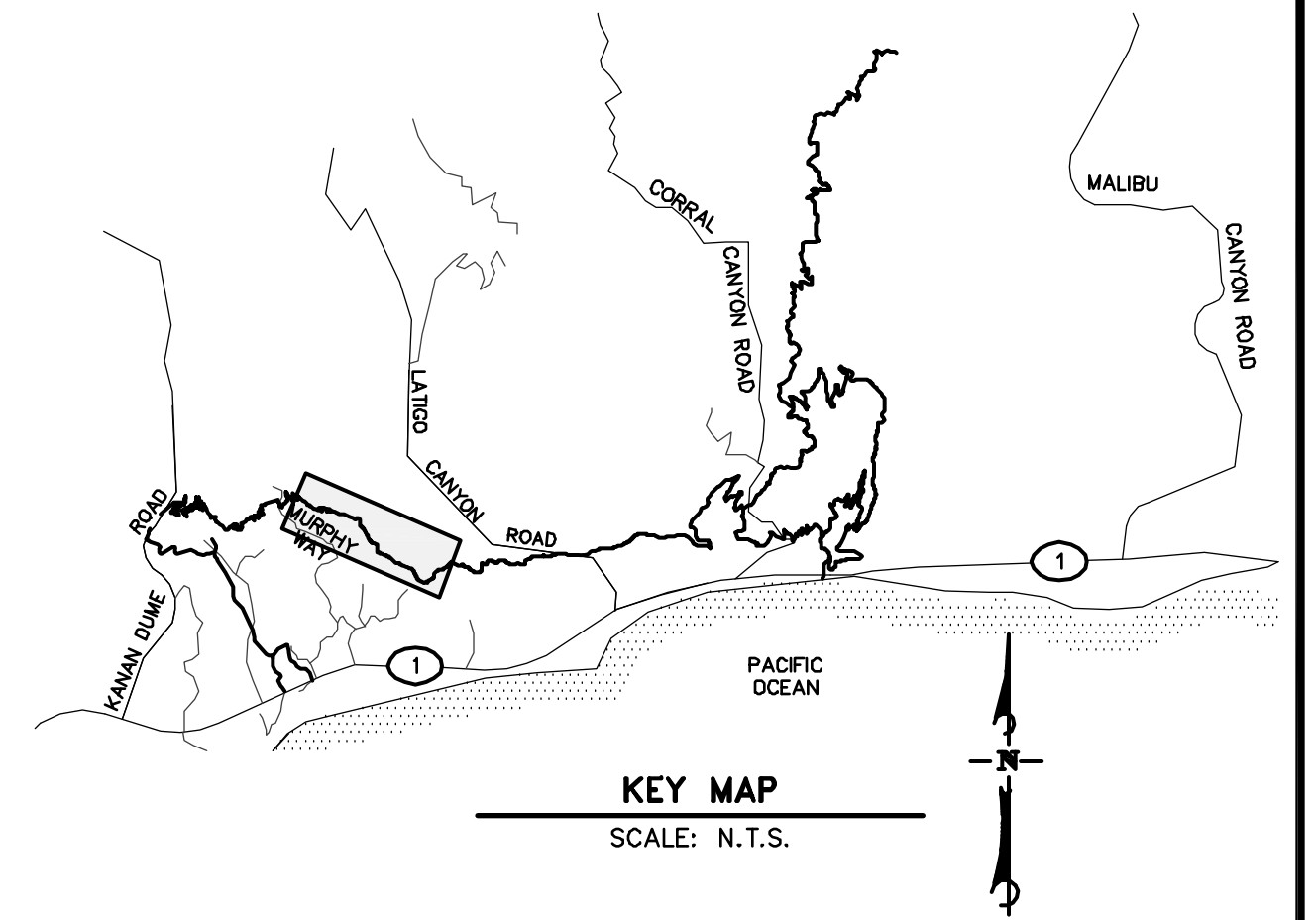
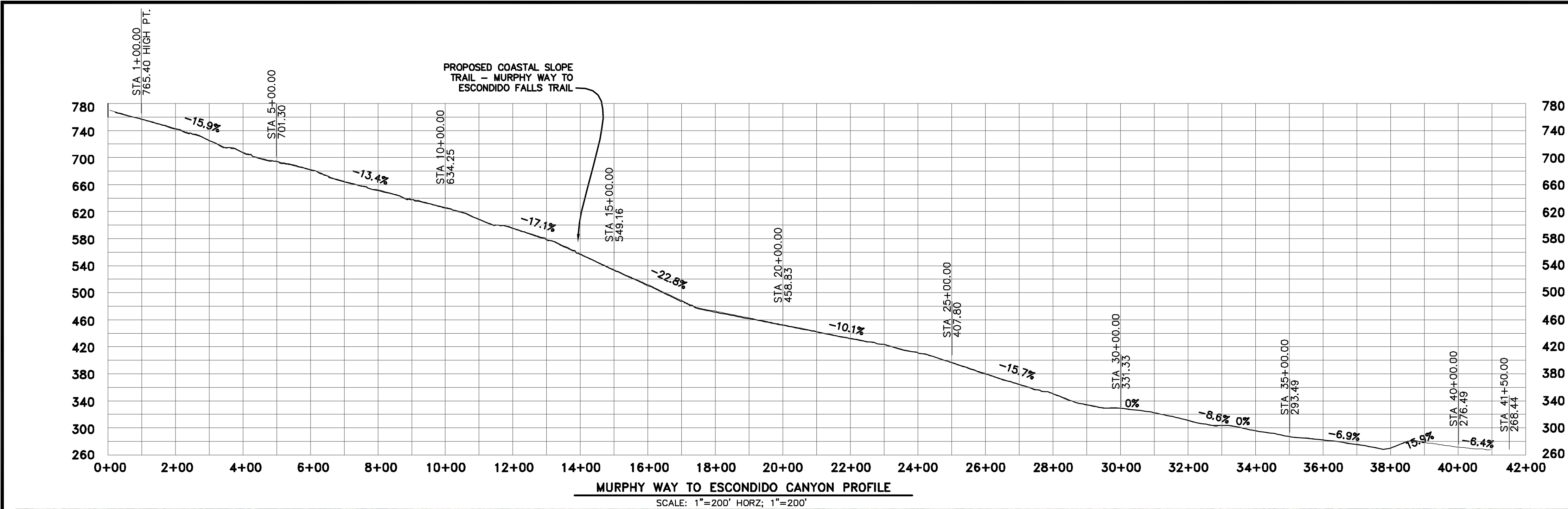


DESIGN JHC CHECKED BEF
BRET FOSTER DATE: _____
PROJECT ENGINEER
R.C.E. 48,267 (EXP. 6-30-18)



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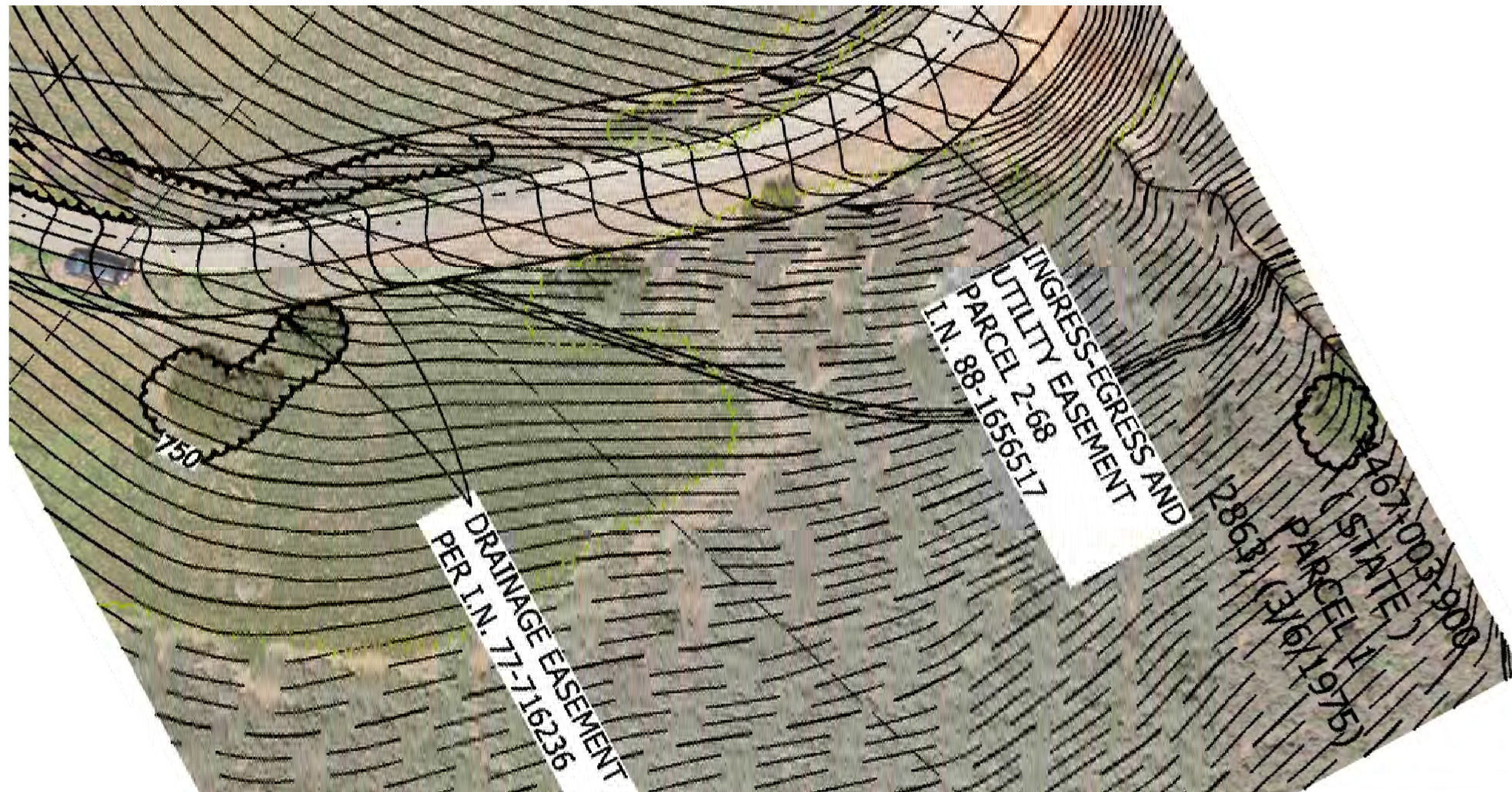


COASTAL SLOPE TRAIL

MURPHY WAY TO ESCCONDIDO FALLS TRAIL

FOR REDUCED PLANS ORIGINAL SCALE IN INCHES	The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing – any errors or omissions shall be reported to Stantec without delay. The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.				NO.	DATE	REVISIONS	APPD.	 11 EAST VICTORIA STREET SANTA BARBARA, CA www.stantec.com	DESIGN <u>KB</u> CHECKED <u>BEF</u>		PLAN AND PROFILE – MURPHY WAY SANTA MONICA MOUNTAINS CONSERVANCY MOUNTAINS RECREATION & CONSERVATION AUTHORITY MALIBU, CALIFORNIA	P&S PROJECT NO. 2064119400/13638.05	
0 1 2 3														PLAN DATE MARCH 13, 2017

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TRAIL HEAD AT MURPHY WAY -- SURVEY PLAN
SCALE: 1"=40'

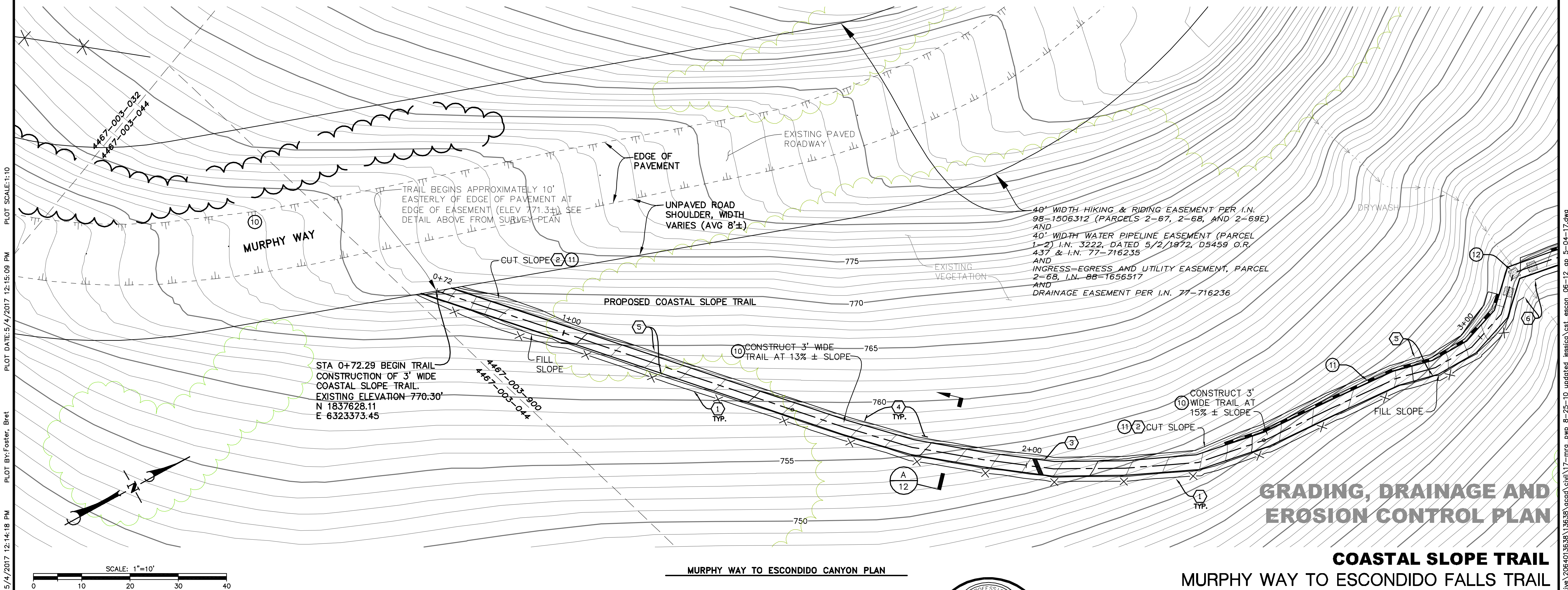
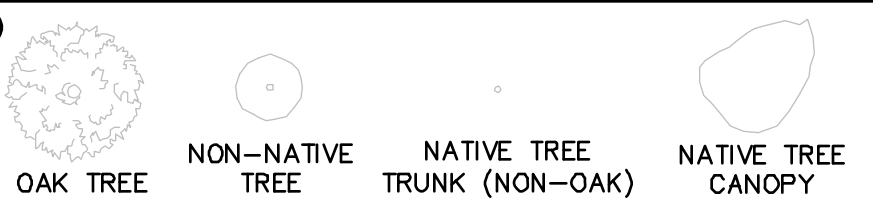
EROSION CONTROL CONSTRUCTION NOTES

- 1 CONSTRUCT SILT FENCE AT APPROXIMATE LOCATIONS SHOWN, PER DETAIL "M", SHEET 15, SEE ALSO BMP SE-1 "SILT FENCE".
- 2 CONSTRUCT EROSION CONTROL BLANKET OVER CUT SLOPES. SCATTER NATIVE SEED MIX ON SOIL PRIOR TO INSTALLATION OF BLANKET, SEE BMP EC-7 "GEOTEXTILES & MATS". EROSION CONTROL BLANKET SHALL BE TENSAR NORTH AMERICAN GREEN BIONET C125BN OR EROINET SC150 OR APPROVED EQUIVALENT. INSTALL EROSION CONTROL BLANKET IN ACCORDANCE WITH MANUFACTURERS RECOMMENDATIONS.
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- 4 WHEN CONSTRUCTING TRAIL, CONTRACTOR SHALL PRESERVE EXISTING VEGETATION TO THE EXTENT FEASIBLE THAT IS ADJACENT TO THE AREA TO BE GRADED, SEE BMP EC-2 "PRESERVATION OF EXISTING VEGETATION".
- 5 AT THE CONCLUSION OF GRADING OPERATIONS CONSTRUCT EROSION CONTROL BY APPLYING NATIVE SEED MIX TO THE DISTURBED AREA.
- 6 OMIT SILT FENCE AT FLOW LINE OF DRAINAGE CHANNEL.

CONSTRUCTION NOTES

- 10 CONSTRUCT TRAIL OR IMPROVE EXISTING TRAIL TO MINIMUM 3' WIDE PER DETAIL "A" ON SHEET 13.
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- 13 CONSTRUCT RAIL ROAD TIE STEPS AT STEEP SWITCHBACK PER DETAIL K, SHEET 14.

TREE LEGEND



34-ENG SAVE DATE: 5/4/2017 12:14:18 PM PLOT DATE: 5/4/2017 12:15:09 PM PLOT SCALE: 1:10

SCALE: 1"=10'
0 10 20 30 40

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ORIGINAL SCALE IN INCHES

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BRET FOSTER DATE: PROJECT ENGINEER R.C.E. 48,267 (EXP. 06-30-18)



COASTAL SLOPE TRAIL
MURPHY WAY TO ESCONDIDO FALLS TRAIL

EC, GRADING AND DRAINAGE PLAN
CS TRAIL - STA 0+72 TO 3+00
SANTA MONICA MOUNTAINS CONSERVANCY
MALIBU, CALIFORNIA

P&S PROJECT NO. 2064119400/13638.05
SHEET 6 OF 16
PLAN DATE MAY 4, 2017

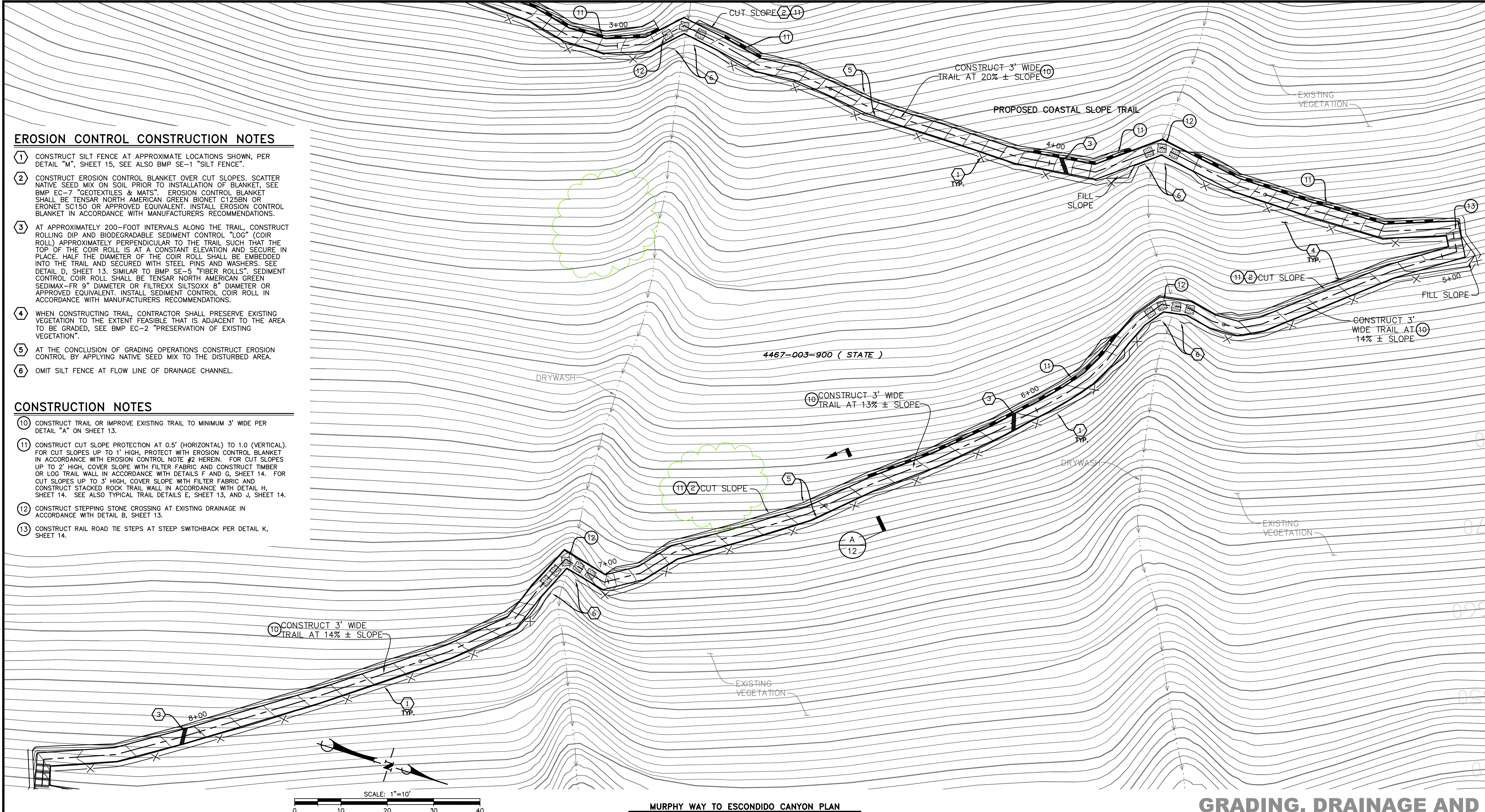
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EROSION CONTROL CONSTRUCTION NOTES

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- 6 OMIT SILT FENCE AT FLOW LINE OF DRAINAGE CHANNEL.

CONSTRUCTION NOTES

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MURPHY WAY TO ESCONDIDO CANYON PLAN

GRADING, DRAINAGE AND
EROSION CONTROL PLAN
COASTAL SLOPE TRAIL
MURPHY WAY TO ESCONDIDO FALLS TRAIL

FOR REDUCED PLANS
ORIGINAL SCALE IN INCHES

0 1 2 3

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BRET FOSTER DATE: _____
PROJECT ENGINEER
R.C.E. 48,267 (EXP. 06-30-18)

EC, GRADING AND DRAINAGE PLAN
CS TRAIL - STA 3+00 TO 8+00
SANTA MONICA MOUNTAINS CONSERVANCY
MALIBU, CALIFORNIA

P&S PROJECT NO.
2064119400/13638.05

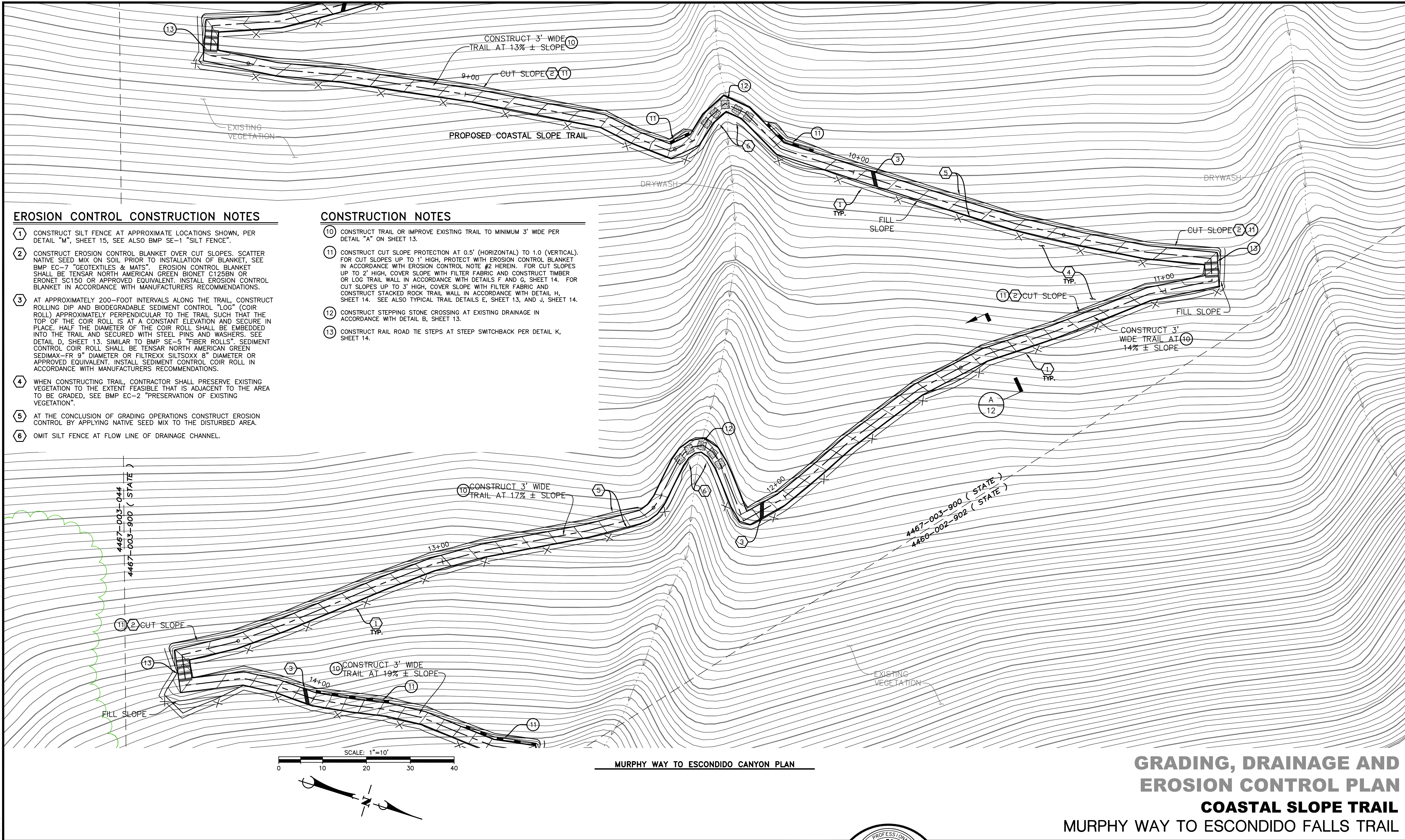
SHEET
7 OF 16

PLAN DATE
MARCH 13, 2017

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EROSION CONTROL CONSTRUCTION NOTES

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6. OMIT SILT FENCE AT FLOW LINE OF DRAINAGE CHANNEL.

CONSTRUCTION NOTES

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13. CONSTRUCT RAIL ROAD TIE STEPS AT STEEP SWITCHBACK PER DETAIL K, SHEET 14.

FOR REDUCED PLANS
ORIGINAL SCALE IN INCHES

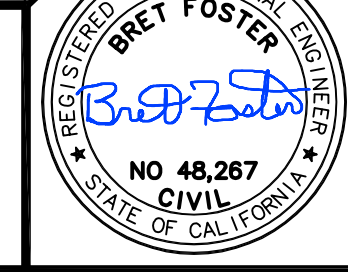
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BRET FOSTER DATE:
PROJECT ENGINEER
R.C.E. 48,267 (EXP. 06-30-18)

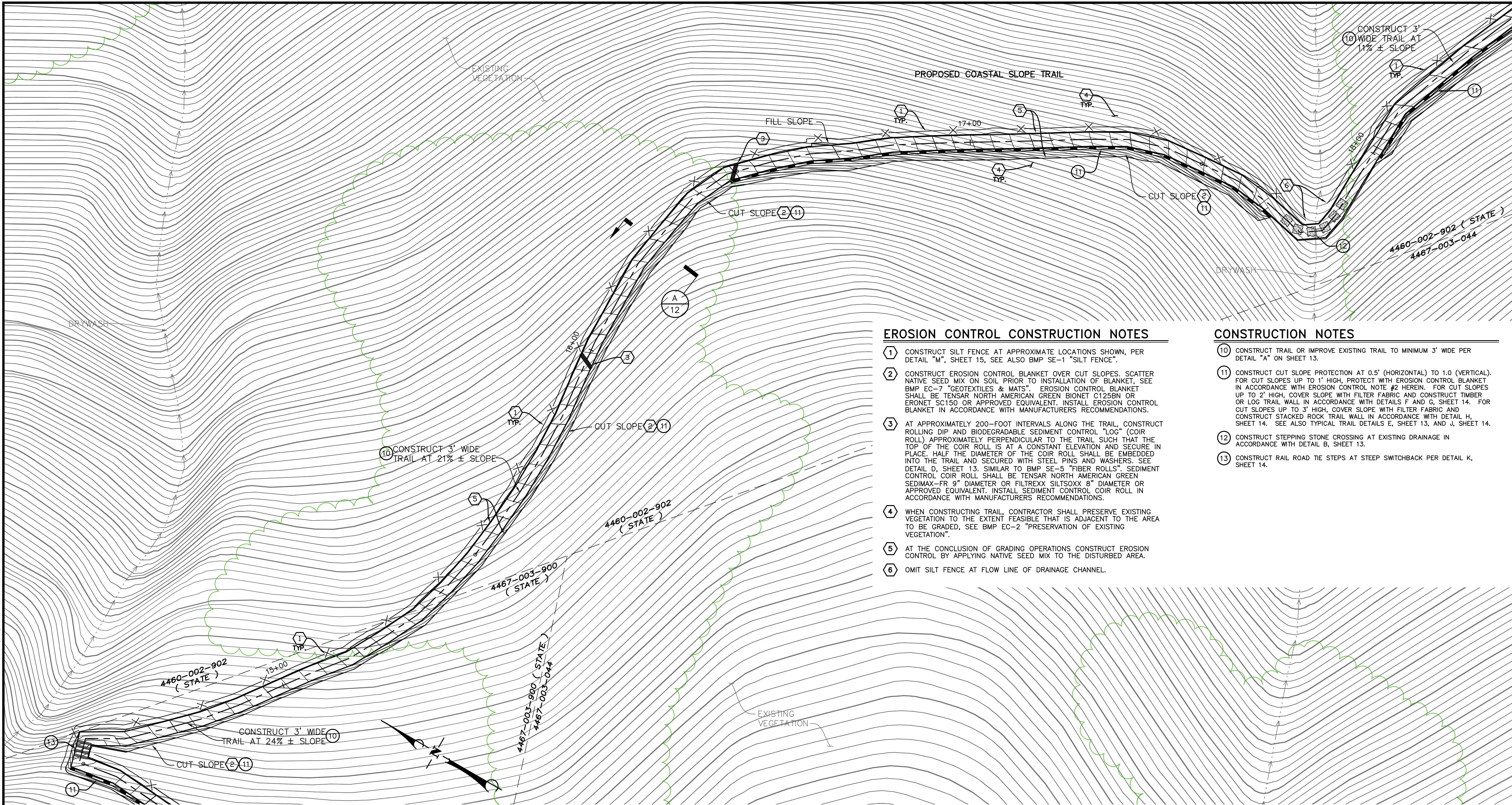


GRADING, DRAINAGE AND EROSION CONTROL PLAN COASTAL SLOPE TRAIL MURPHY WAY TO ESCONDIDO FALLS TRAIL

EC, GRADING AND DRAINAGE PLAN CS TRAIL - STA 8+00 TO 14+00 SANTA MONICA MOUNTAINS CONSERVANCY MALIBU, CALIFORNIA	P&S PROJECT NO. 2064119400/13638.05 SHEET 8 OF 16 PLAN DATE MARCH 13, 2017
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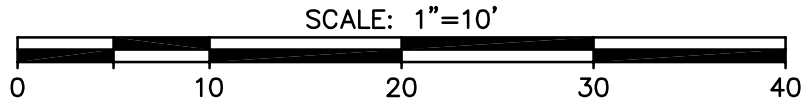


EROSION CONTROL CONSTRUCTION NOTES

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CONSTRUCTION NOTES

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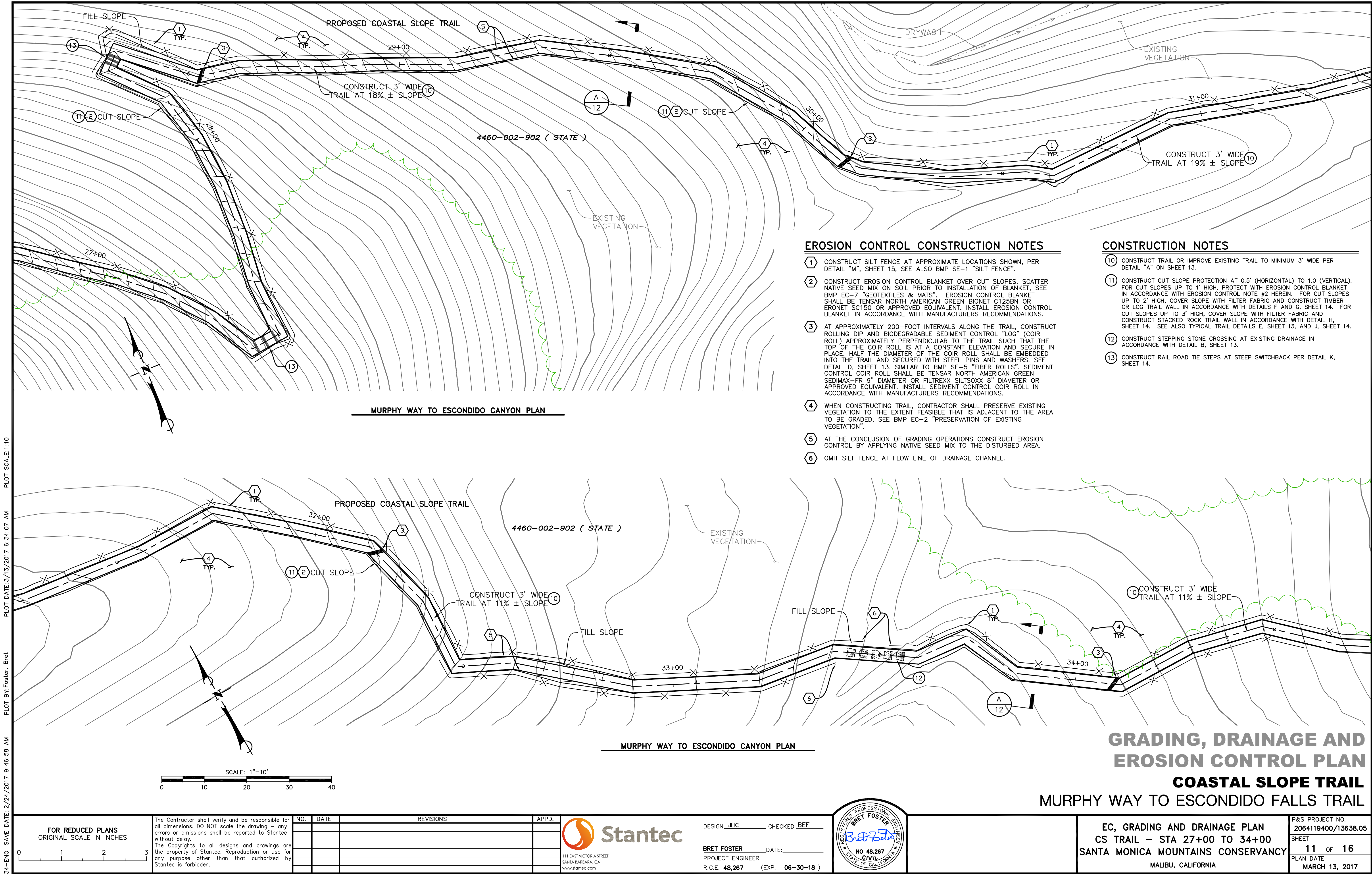
MURPHY WAY TO ESCONDIDO CANYON PLAN

**GRADING, DRAINAGE AND
EROSION CONTROL PLAN**
COASTAL SLOPE TRAIL
MURPHY WAY TO ESCONDIDO FALLS TRAIL

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							PROJECT ENGINEER BRET FOSTER R.C.E. 48,267 (EXP. 06-30-18)			SHEET 9 OF 16 PLAN DATE MARCH 13, 2017

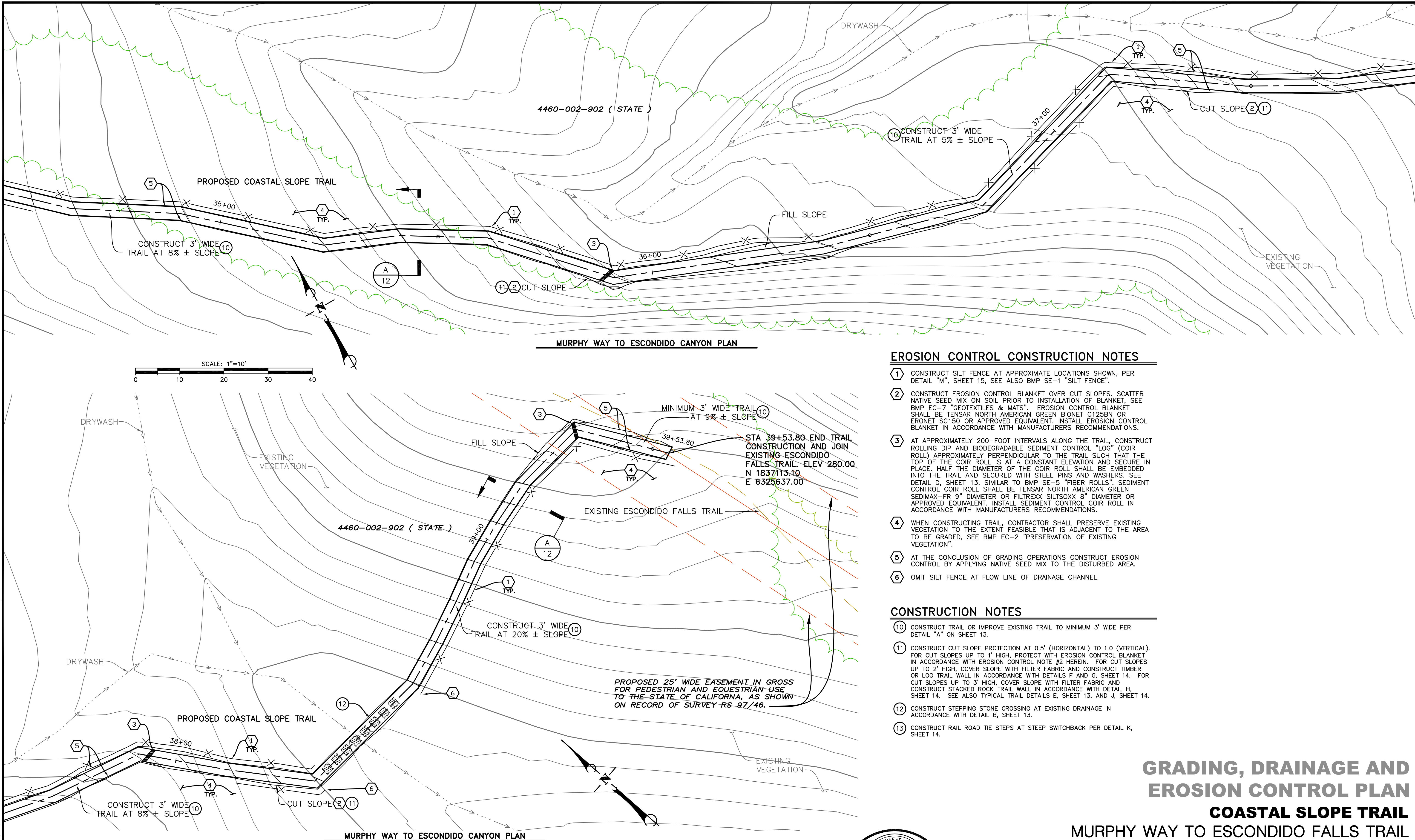
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GRADING, DRAINAGE AND EROSION CONTROL PLAN
COASTAL SLOPE TRAIL
MURPHY WAY TO ESCONDIDO FALLS TRAIL

FOR REDUCED PLANS
ORIGINAL SCALE IN INCHES

0 1 2 3

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DESIGN JHC CHECKED BEF

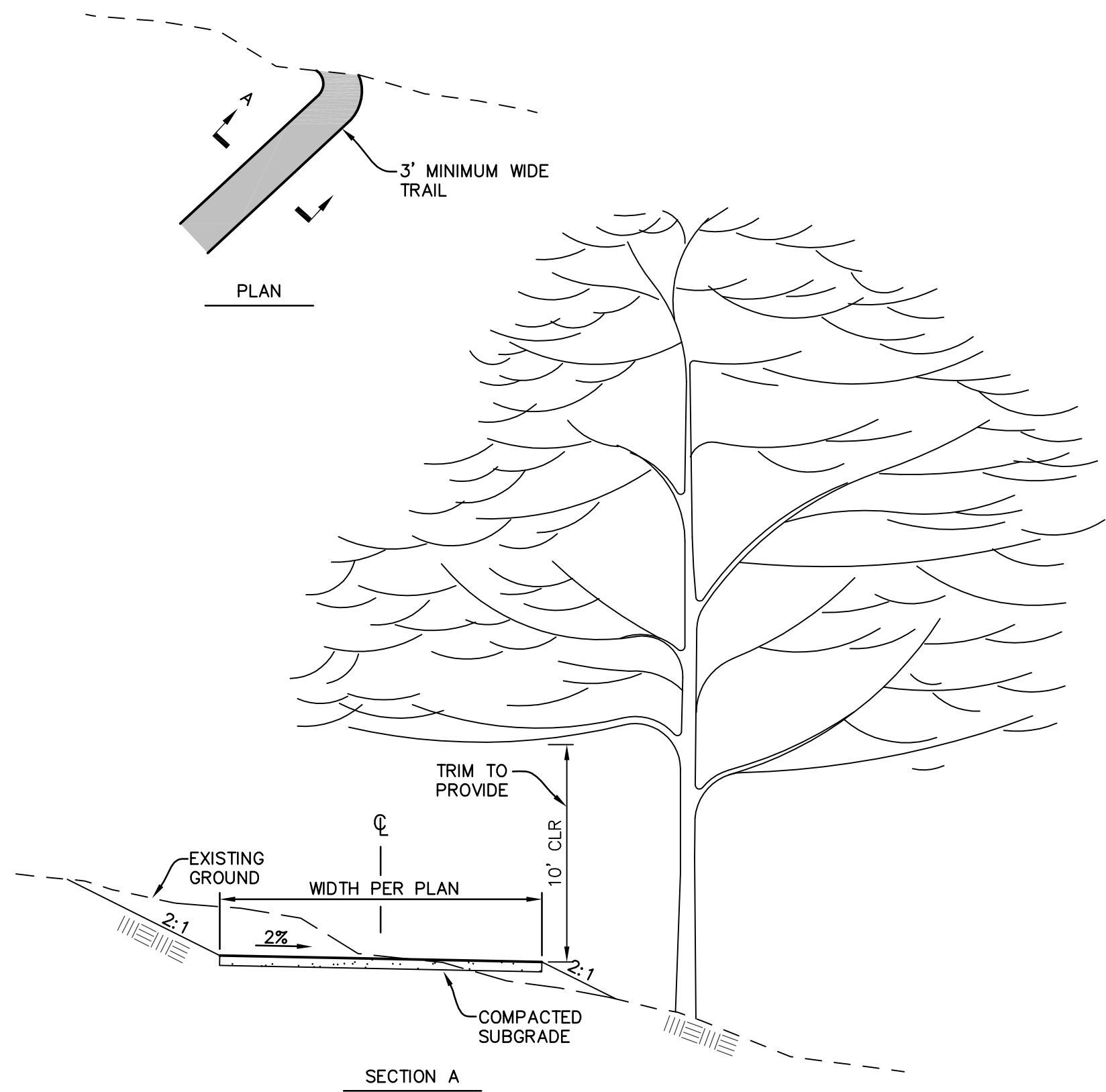
BRET FOSTER DATE:
PROJECT ENGINEER
R.C.E. **48,267** (EXP. **06-30-18**)

BRET FOSTER
REGISTERED PROFESSIONAL ENGINEER
NO **48,267**
CIVIL
STATE OF CALIFORNIA

<p>EC, GRADING AND DRAINAGE PLAN CS TRAIL - STA 34+00 TO 39+53 SANTA MONICA MOUNTAINS CONSERVANCY MALIBU, CALIFORNIA</p>	<p>P&S PROJECT NO. 2064119400/13638.05</p> <p>SHEET 12 OF 16</p> <p>PLAN DATE MARCH 13, 2017</p>
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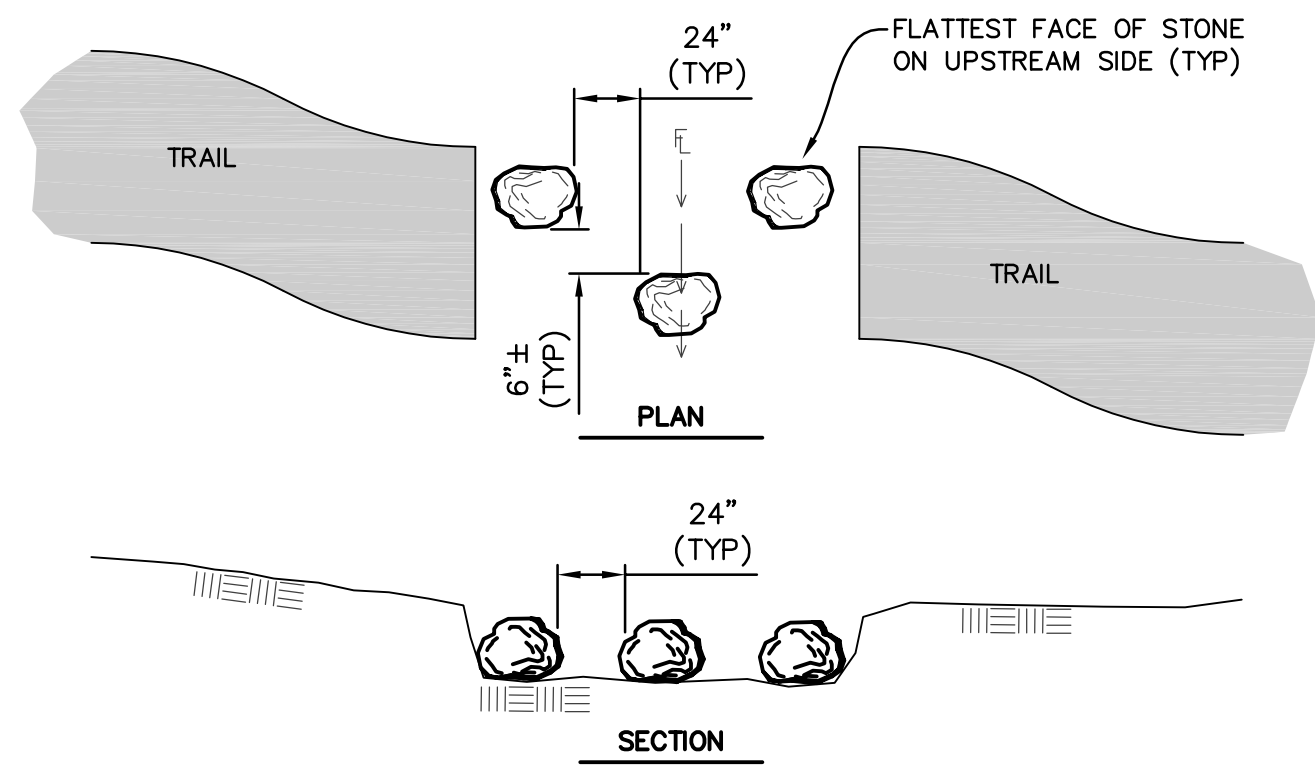
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34-ENG SAVE DATE: 3/13/2017 6:36:16 AM PLOT DATE: 4/25/2017 4:05:12 PM PLOT BY: Foster, Bret PLOT SCALE: 1:2.73



TYPICAL TRAIL
SCALE: 1" = 2'

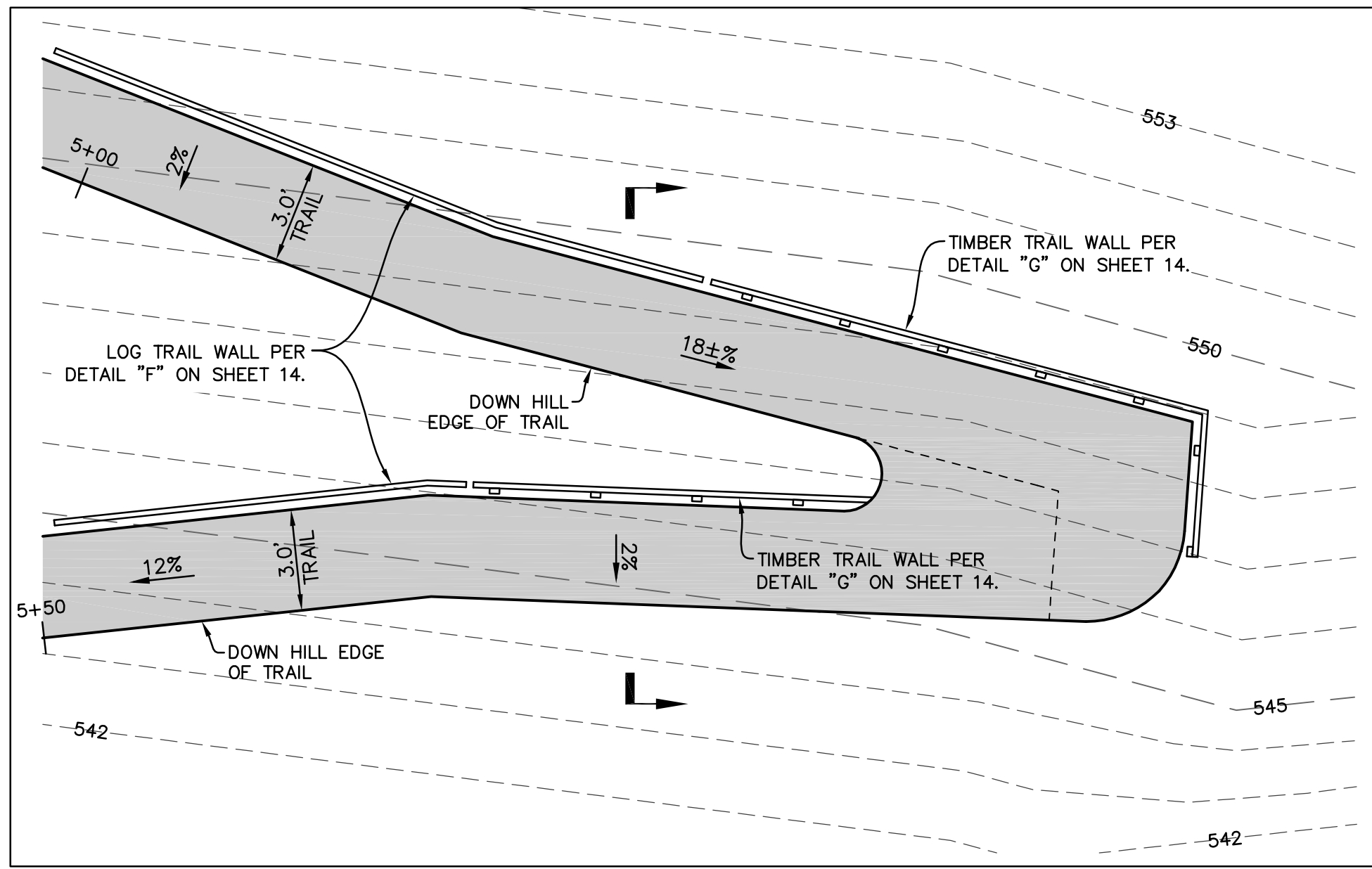
A



NOTE: HAND SELECTED STONES USED FOR CREEK CROSSINGS SHALL BE APPROXIMATELY 14" TO 18" IN DIAMETER AND PLACED DIAGONALLY ACROSS THE CREEK WITH 24" GAP BETWEEN STONES AND STAGGERED ACROSS THE CREEK. FLATTEST FACE OF STONE SHALL BE PLACED SUCH THAT THE FACE IS ON THE UPSTREAM SIDE. STONES SHALL BE EMBEDDED INTO CREEK MATERIALS TO PROVIDE A LEVEL STABLE STEPPING PLATFORM. STONES SHALL BE SELECTED AND PLACED SUCH THAT THE INTENDED PURPOSE IS ACHIEVED.

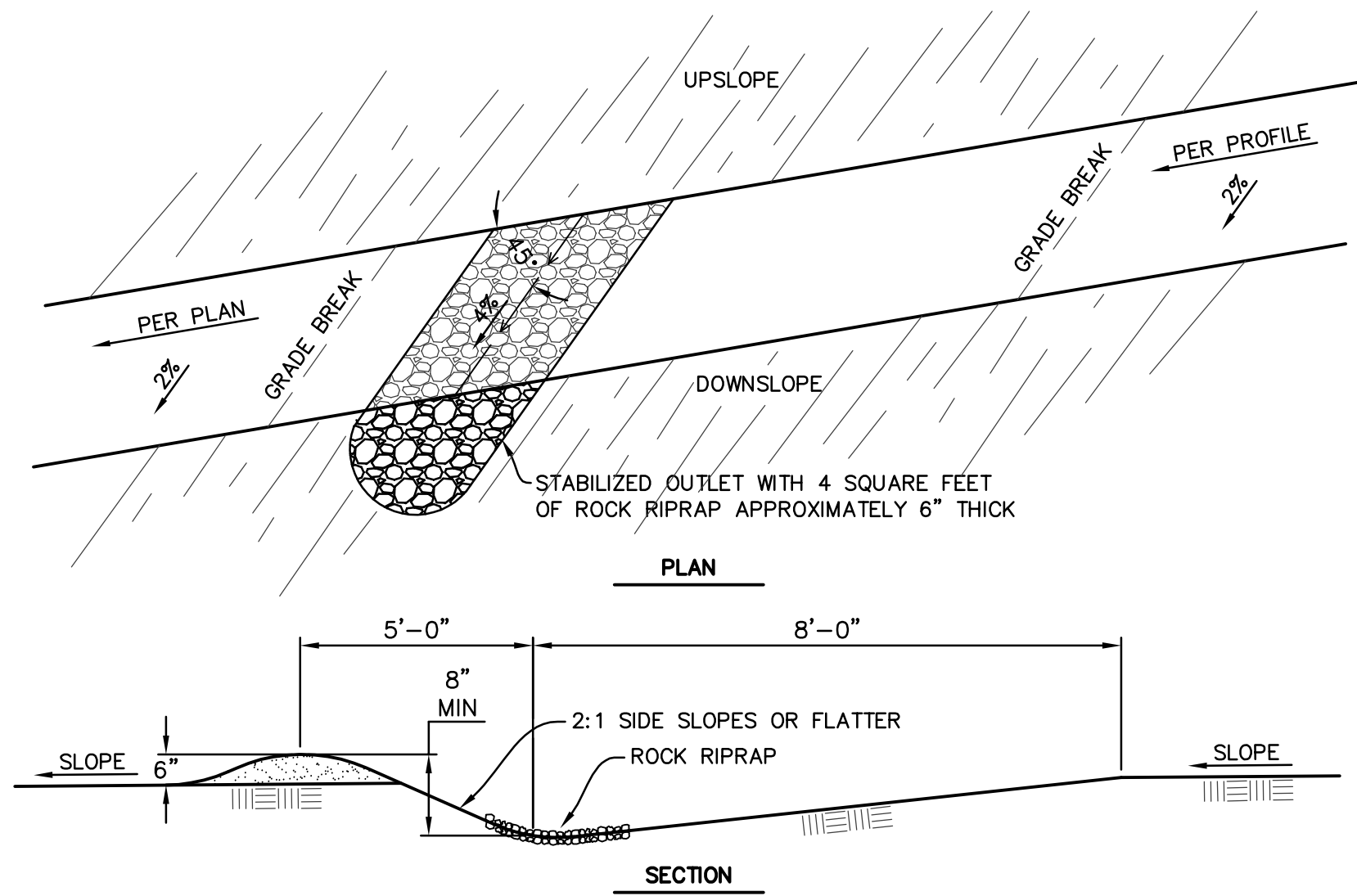
STEPPING STONE CROSSING
N.T.S.

B



TYPICAL SWITCHBACK DETAIL
SCALE: 1" = 4'

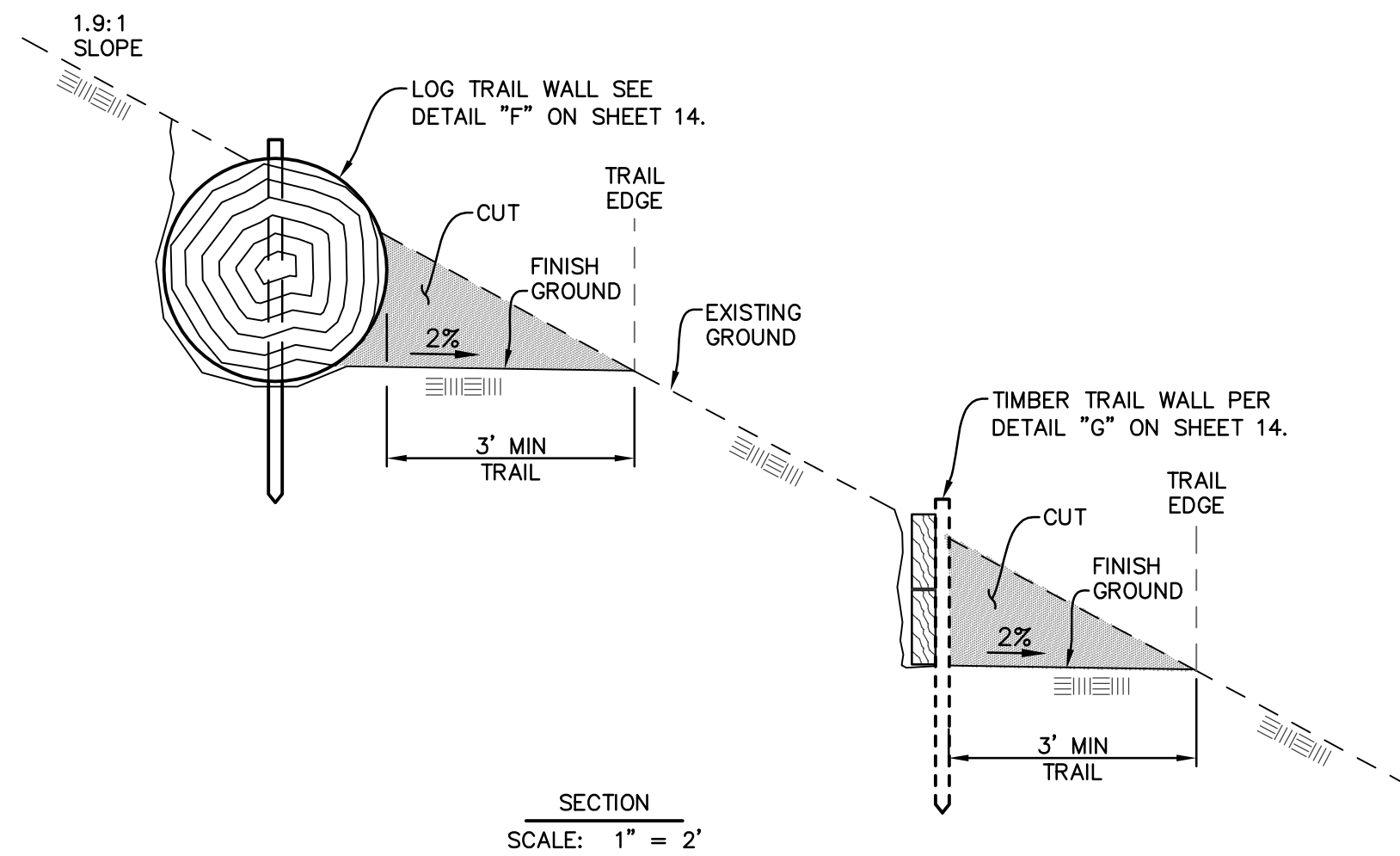
TYPICAL SWITCHBACK DETAIL



NOTE: ROLLING GRADE DIPS SHALL BE MINIMUM 200'± ON CENTER. ROLLING GRADE DIPS SHALL ALSO BE LOCATED AT NATURAL DRAINAGE FEATURES TO ALLOW UNIMPEDED FLOW ACROSS THE TRAIL AND ALLOW THE NATURAL FLOW TO CROSS THE TRAIL AND RETURN INTO THE NATURAL CHANNEL.

ROLLING GRADE DIP
N.T.S.

D



COASTAL SLOPE TRAIL
SCALE: 1" = 2'

E

COASTAL SLOPE TRAIL MURPHY WAY TO ESCONDIDO FALLS TRAIL

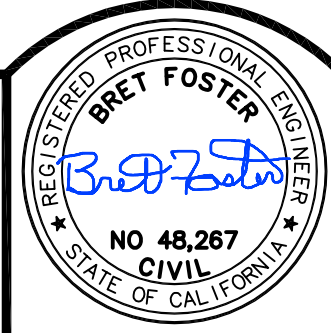
FOR REDUCED PLANS
ORIGINAL SCALE IN INCHES

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NO.	DATE	REVISIONS	APPD.



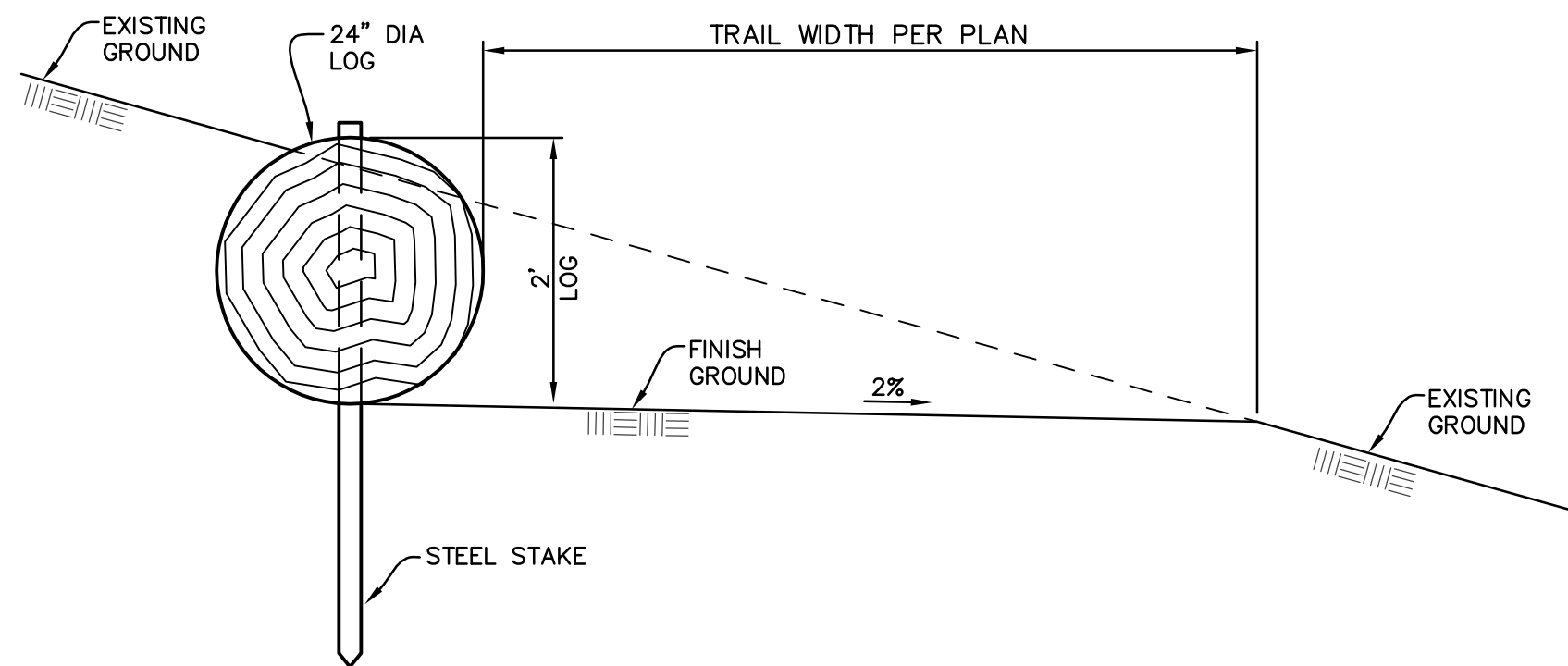
DESIGN JHC CHECKED BEF
BRET FOSTER DATE: _____
PROJECT ENGINEER
R.C.E. 48,267 (EXP. 6-30-18)



TRAIL AND GRADING DETAILS
SANTA MONICA MOUNTAINS CONSERVANCY
MOUNTAINS RECREATION & CONSERVATION AUTHORITY
MALIBU, CALIFORNIA

P&S PROJECT NO.
2064119400/13638.05
SHEET
13 OF 16
PLAN DATE
APRIL 25, 2017

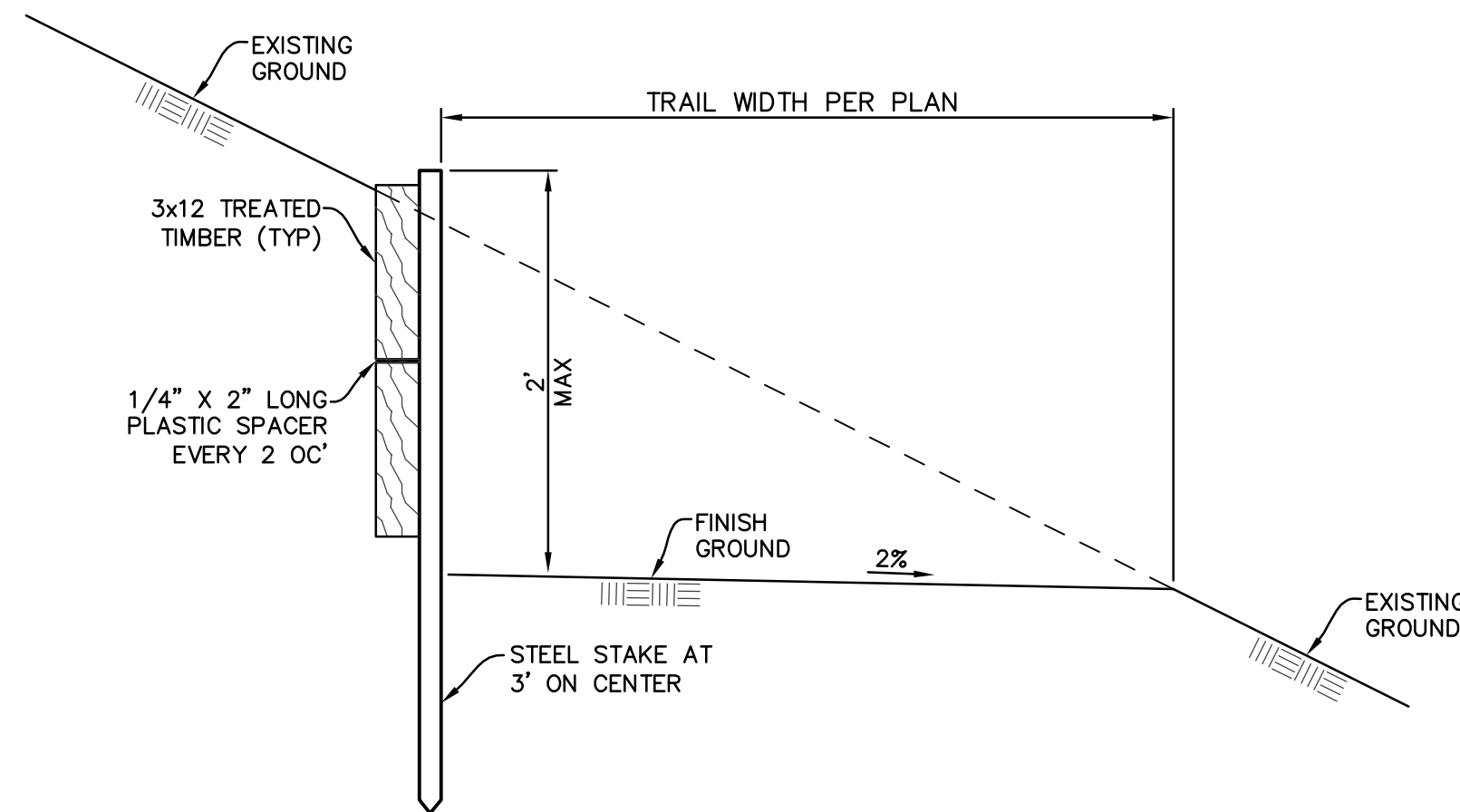
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LOG TRAIL WALL

N.T.S.

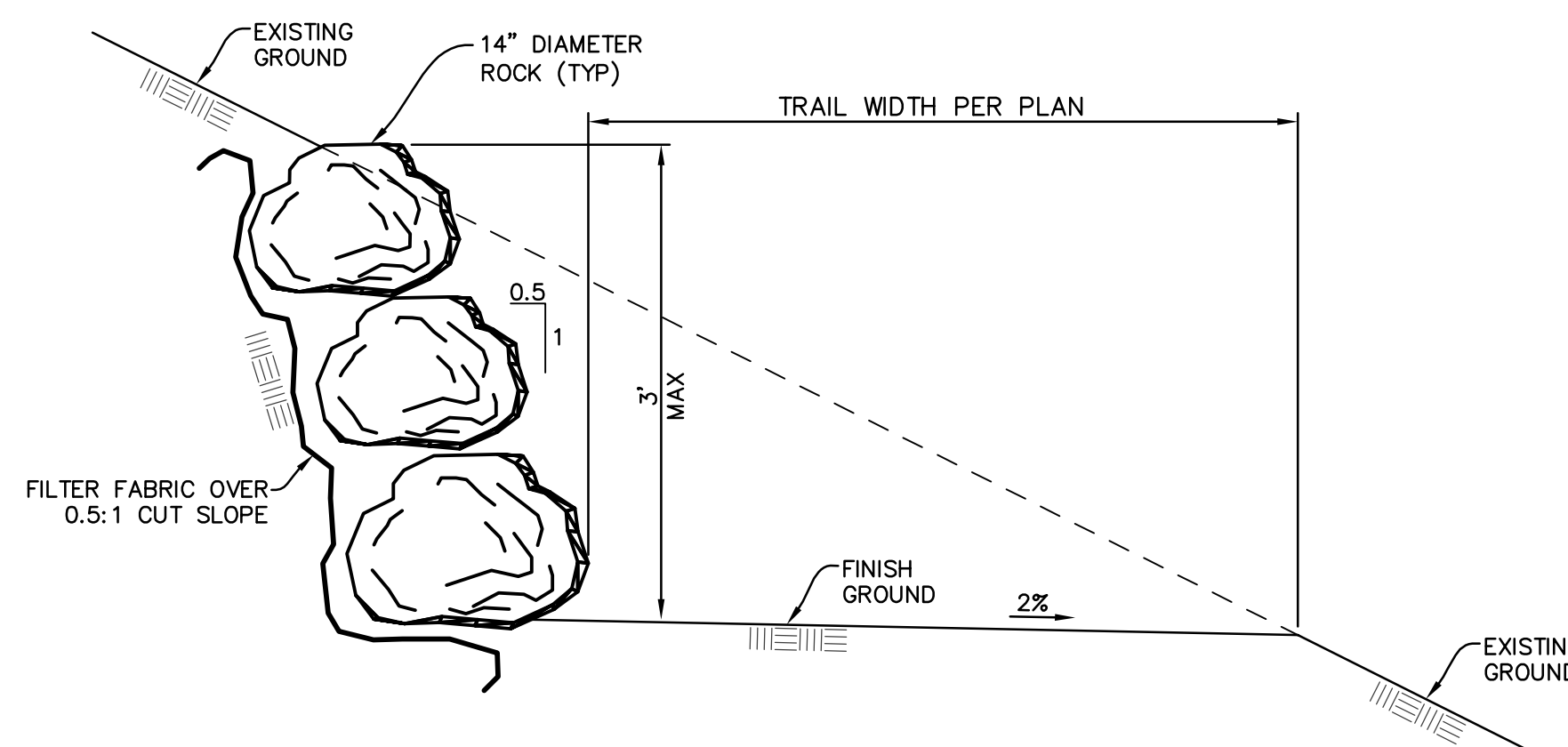
F



TIMBER TRAIL WALL

N.T.S.

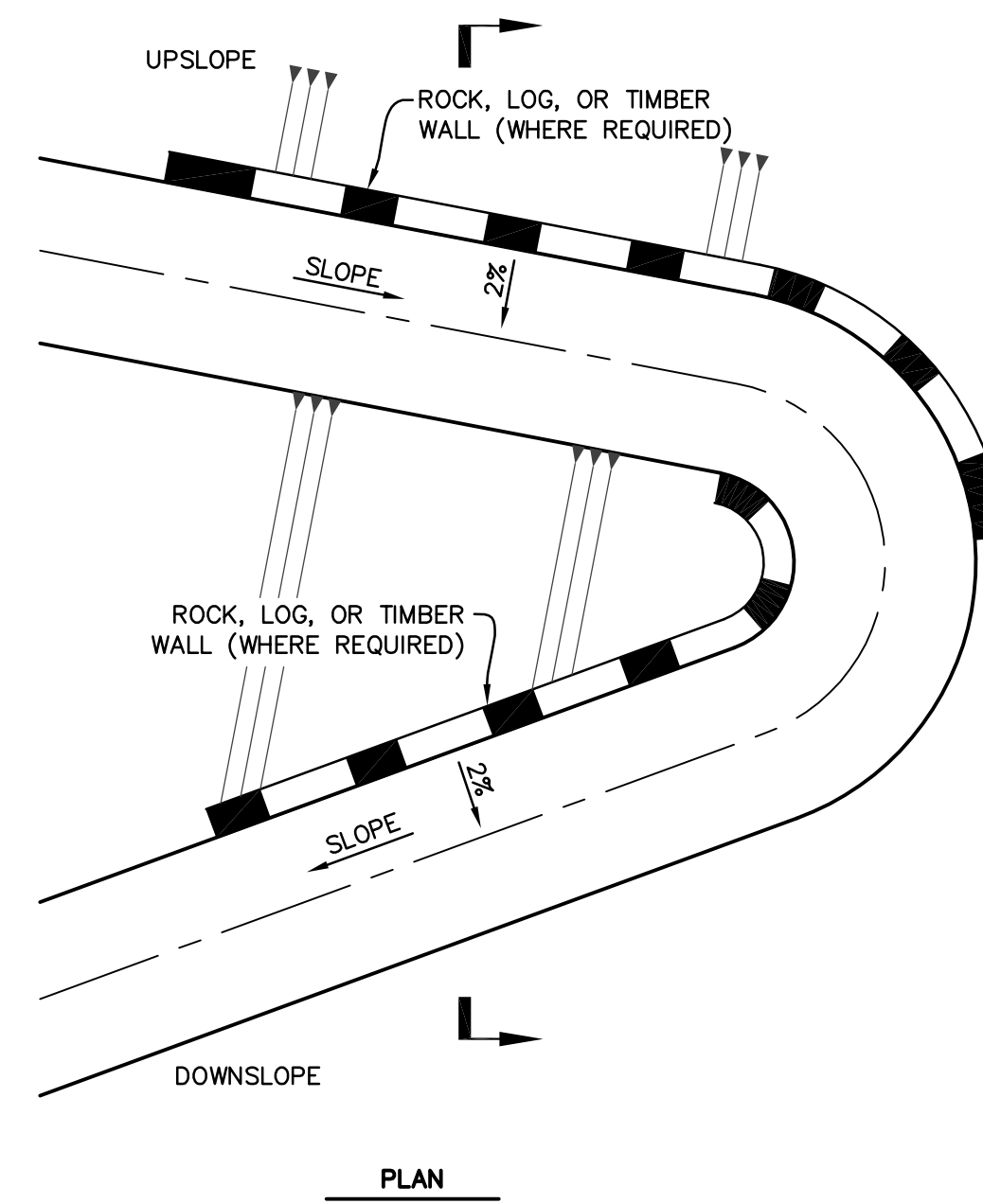
G



STACKED ROCK TRAIL WALL

N.T.S.

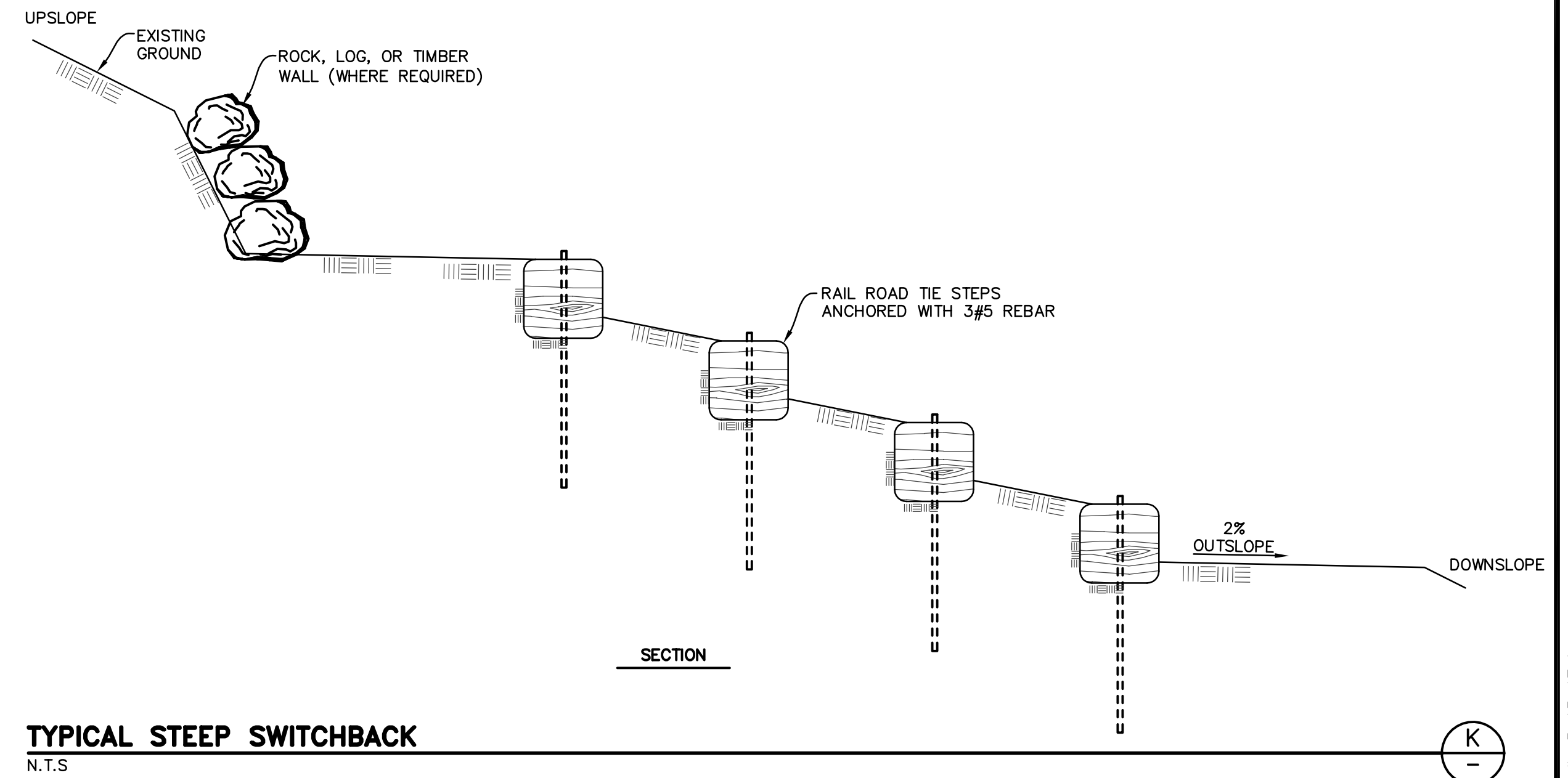
H



TYPICAL CLIMBING TURN

N.T.S.

J



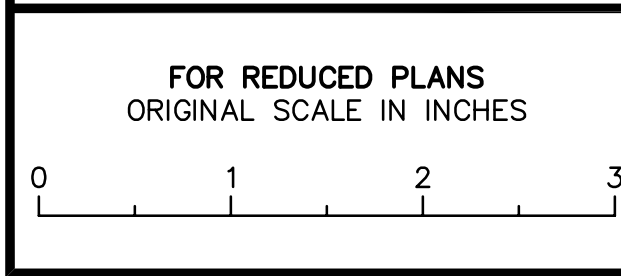
TYPICAL STEEP SWITCHBACK

N.T.S.

K

COASTAL SLOPE TRAIL **MURPHY WAY TO ESCONDIDO FALLS TRAIL**

34-ENG SAVE DATE: 2/24/2017 9:51:52 AM PLOT BY: Foster, Bret PLOT DATE: 3/13/2017 6:35:35 AM PLOT SCALE: 1:2.73

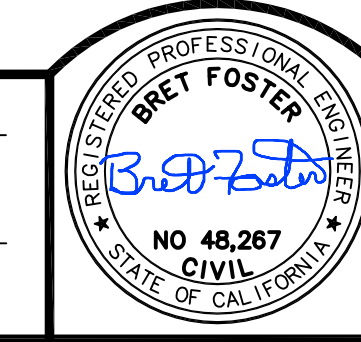


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NO.	DATE	REVISIONS	APPD.



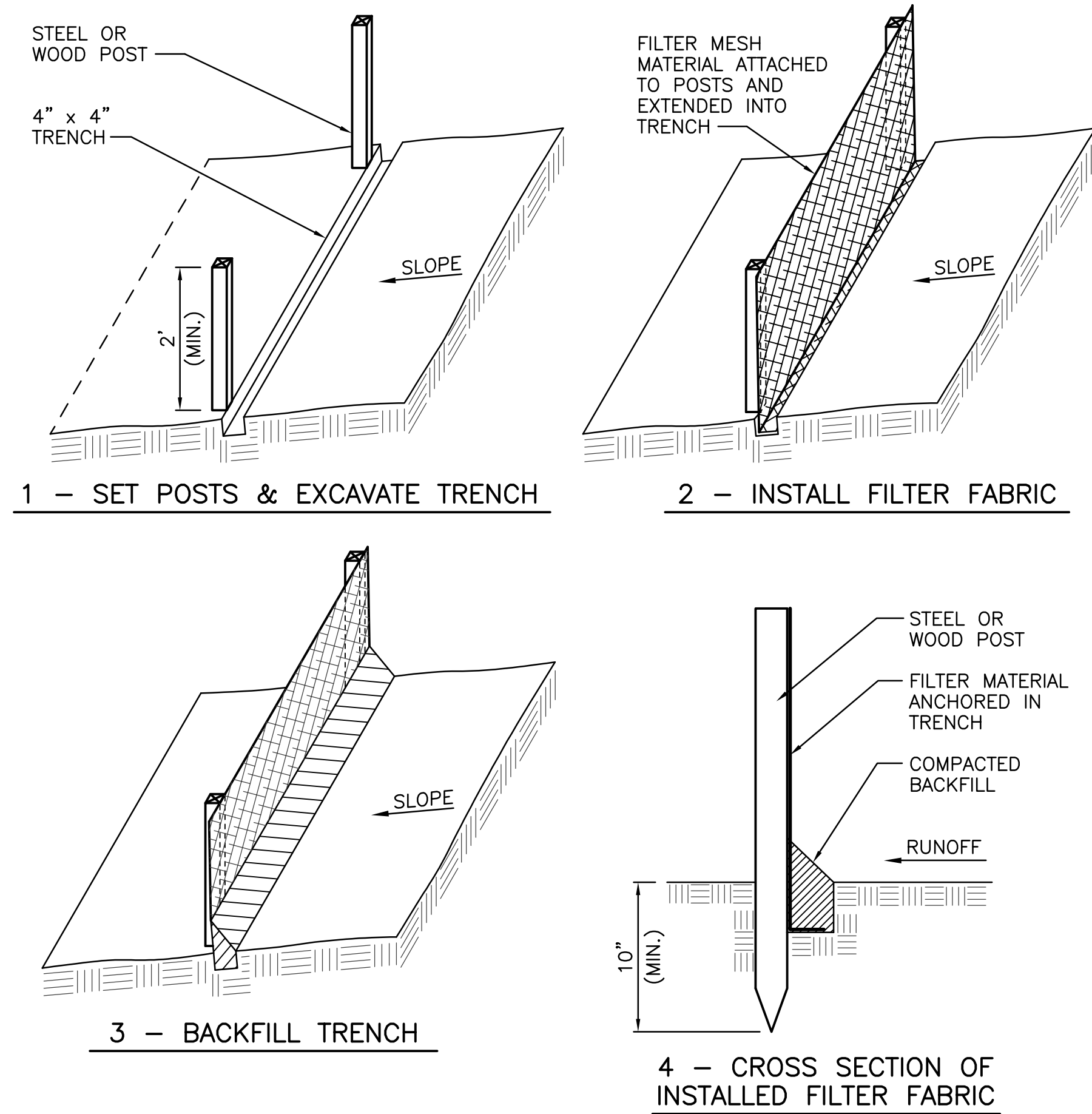
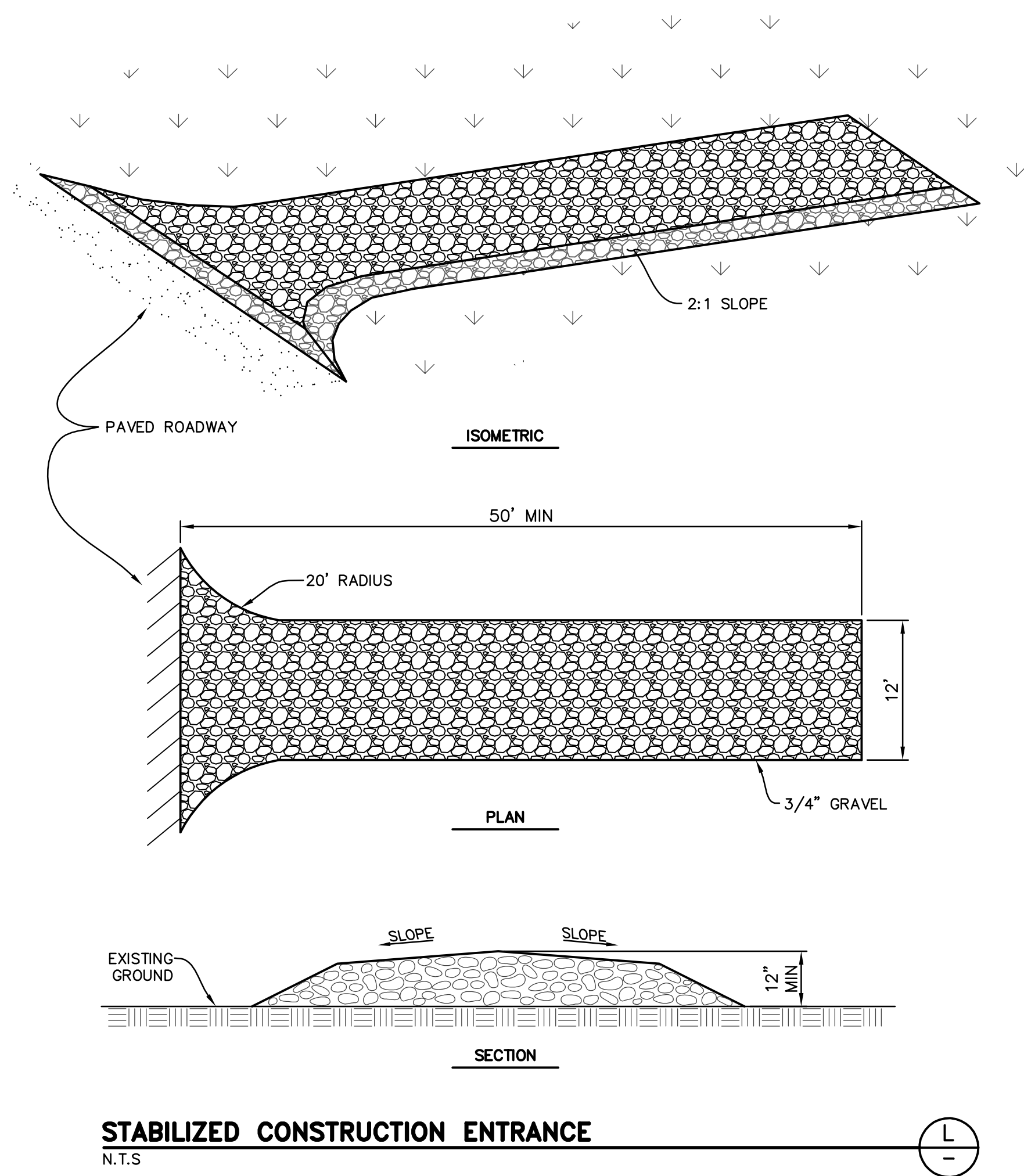
DESIGN JHC CHECKED BEF
BRET FOSTER DATE:
 PROJECT ENGINEER
 R.C.E. **48,267** (EXP. **6-30-18**)



TRAIL AND GRADING DETAILS SANTA MONICA MOUNTAINS CONSERVANCY MOUNTAINS RECREATION & CONSERVATION AUTHORITY MALIBU, CALIFORNIA	P&S PROJECT NO. 13638.05 SHEET 14 OF 16 PLAN DATE MARCH 13, 2017
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34-ENG SAVE DATE: 2/24/2017 9:51:52 AM PLOT BY: Foster, Bret PLOT DATE: 3/13/2017 6:35:56 AM PLOT SCALE: 1:2.73



SILT FENCE INSTALLATION

N.T.S.

SILT FENCE GENERAL NOTES

SILT FENCE SHALL BE INSTALLED:

- WHERE NON-CONCENTRATED SHEET FLOW WILL OCCUR DOWNHILL FROM EARTH DISTURBING CONSTRUCTION
- WHERE PROTECTION OF ADJACENT PROPERTY OR "WATERS OF THE UNITED STATES" IS REQUIRED
- SUCH THAT THE SIZE OF THE DRAINAGE AREA IS NO MORE THAN 1/4 ACRE PER 100 LINEAR FEET OF SILT FENCE
- SUCH THAT THE MAXIMUM FLOW PATH LENGTH ABOVE THE BARRIER IS 100 FEET
- SUCH THAT THE MAXIMUM FLOW GRADIENT ABOVE THE BARRIER IS 2:1



INSTALLED SILT FENCE

M

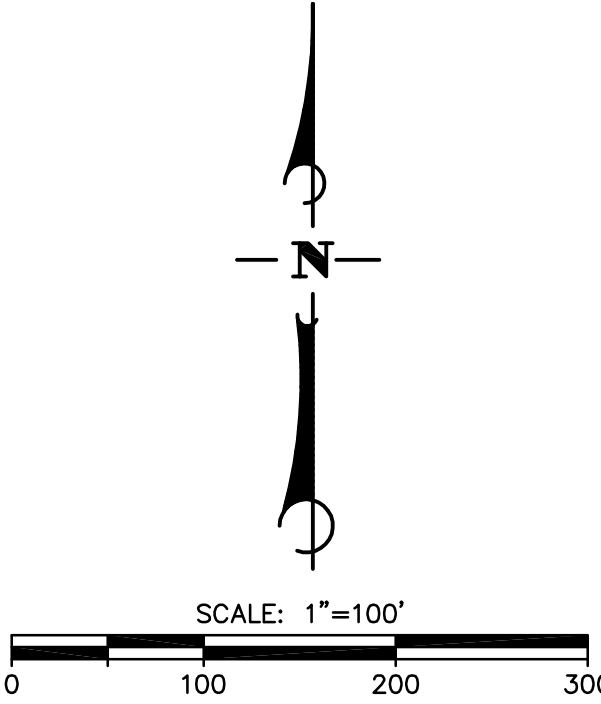
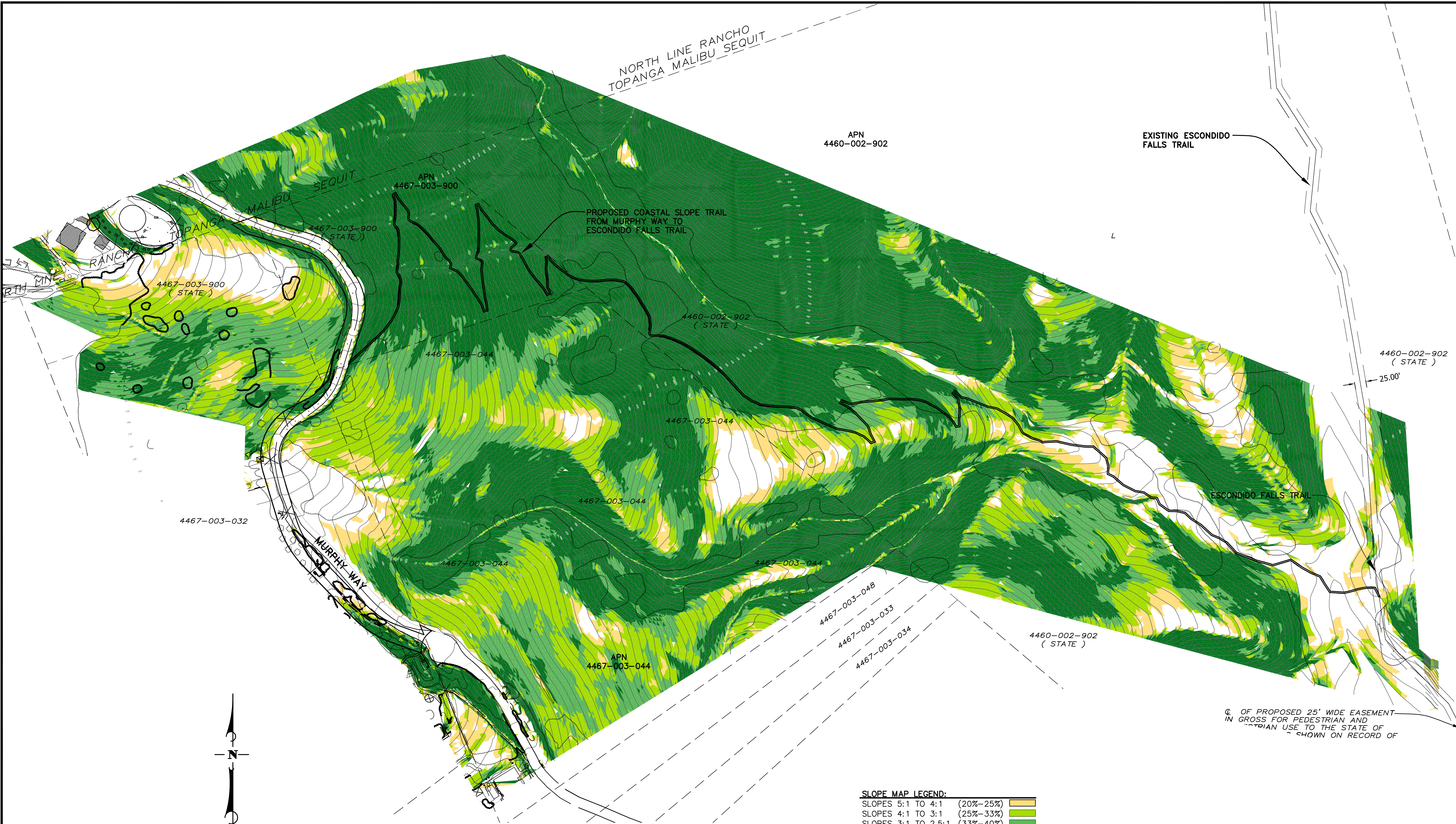
COASTAL SLOPE TRAIL

MURPHY WAY TO ESCONDIDO FALLS TRAIL

<div>FOR REDUCED PLANS ORIGINAL SCALE IN INCHES</div> <div><div>0123</div></div>	The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing – any errors or omissions shall be reported to Stantec without delay.	NO.	DATE	REVISIONS	APPD.	<div><div><div></div></div><div>Stantec</div><div><div>111 EAST VICTORIA STREET SANTA BARBARA, CA www.stantec.com</div></div></div>	DESIGN <u>JHC</u> CHECKED <u>BEF</u>	<div><div><div>REGISTERED PROFESSIONAL ENGINEER</div><div>BRET FOSTER</div><div>NO 48,267</div><div>CIVIL</div><div>STATE OF CALIFORNIA</div></div></div>	<div>TRAIL AND GRADING DETAILS SANTA MONICA MOUNTAINS CONSERVANCY MOUNTAINS RECREATION & CONSERVATION AUTHORITY MALIBU, CALIFORNIA</div>	P&S PROJECT NO. 13638.05
	The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.						BRET FOSTER DATE: _____			SHEET
							PROJECT ENGINEER			15 OF 16
							R.C.E. 48,267 (EXP. 6-30-18)			PLAN DATE
										MARCH 13, 2017

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34-ENG SAVE DATE: 2/24/2017 9:20:02 AM PLOT BY: Foster, Bret PLOT DATE: 3/13/2017 6:36:40 AM PLOT SCALE: 1:10



MURPHY WAY TO ESCONDIDO CANYON PLAN

SLOPE MAP LEGEND:

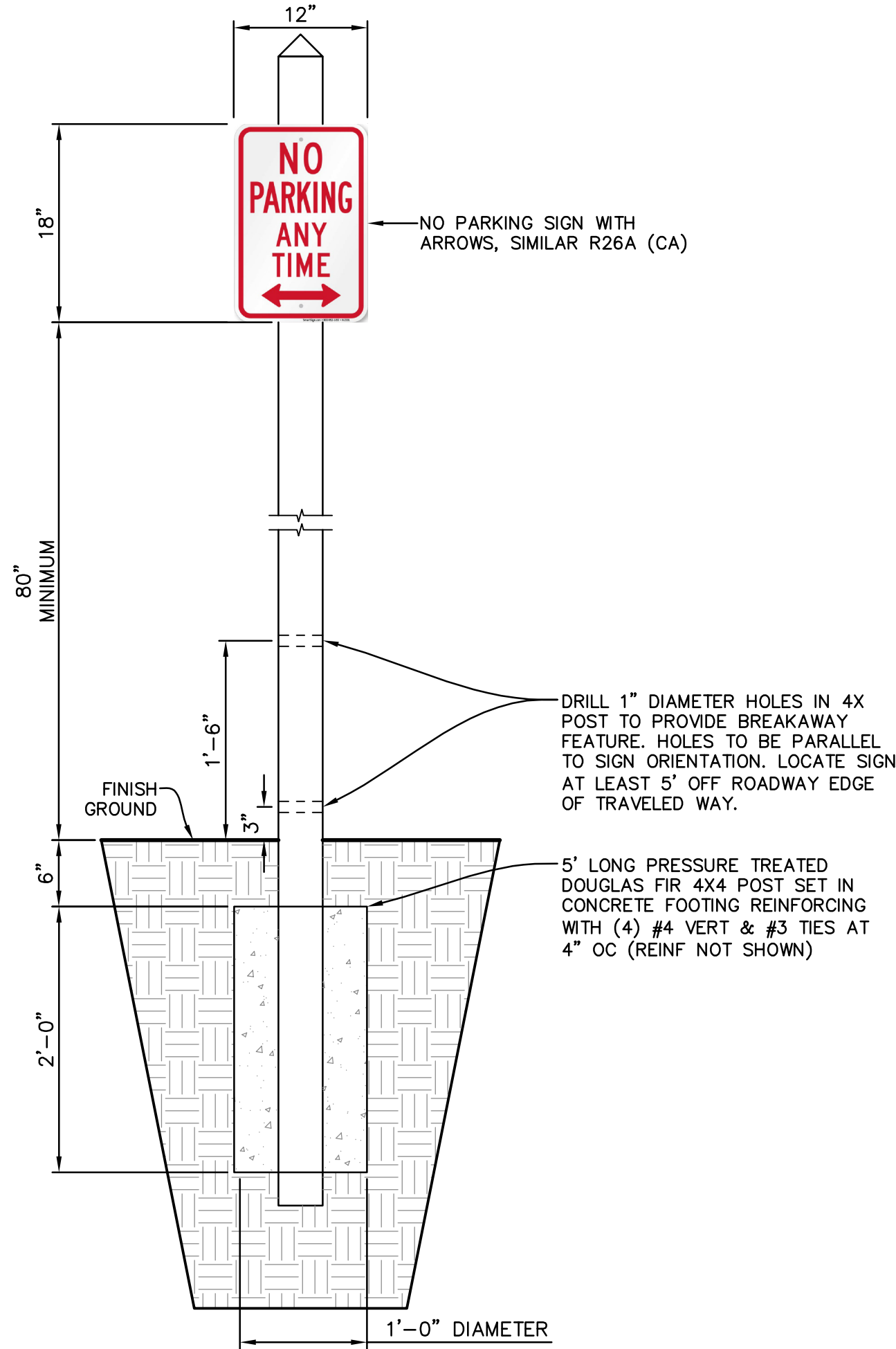
SLOPES 5:1 TO 4:1	(20%-25%)	
SLOPES 4:1 TO 3:1	(25%-33%)	
SLOPES 3:1 TO 2.5:1	(33%-40%)	
SLOPES 2.5:1 TO 1:1	(40%-100%)	

COASTAL SLOPE TRAIL
MURPHY WAY TO ESCONDIDO FALLS TRAIL

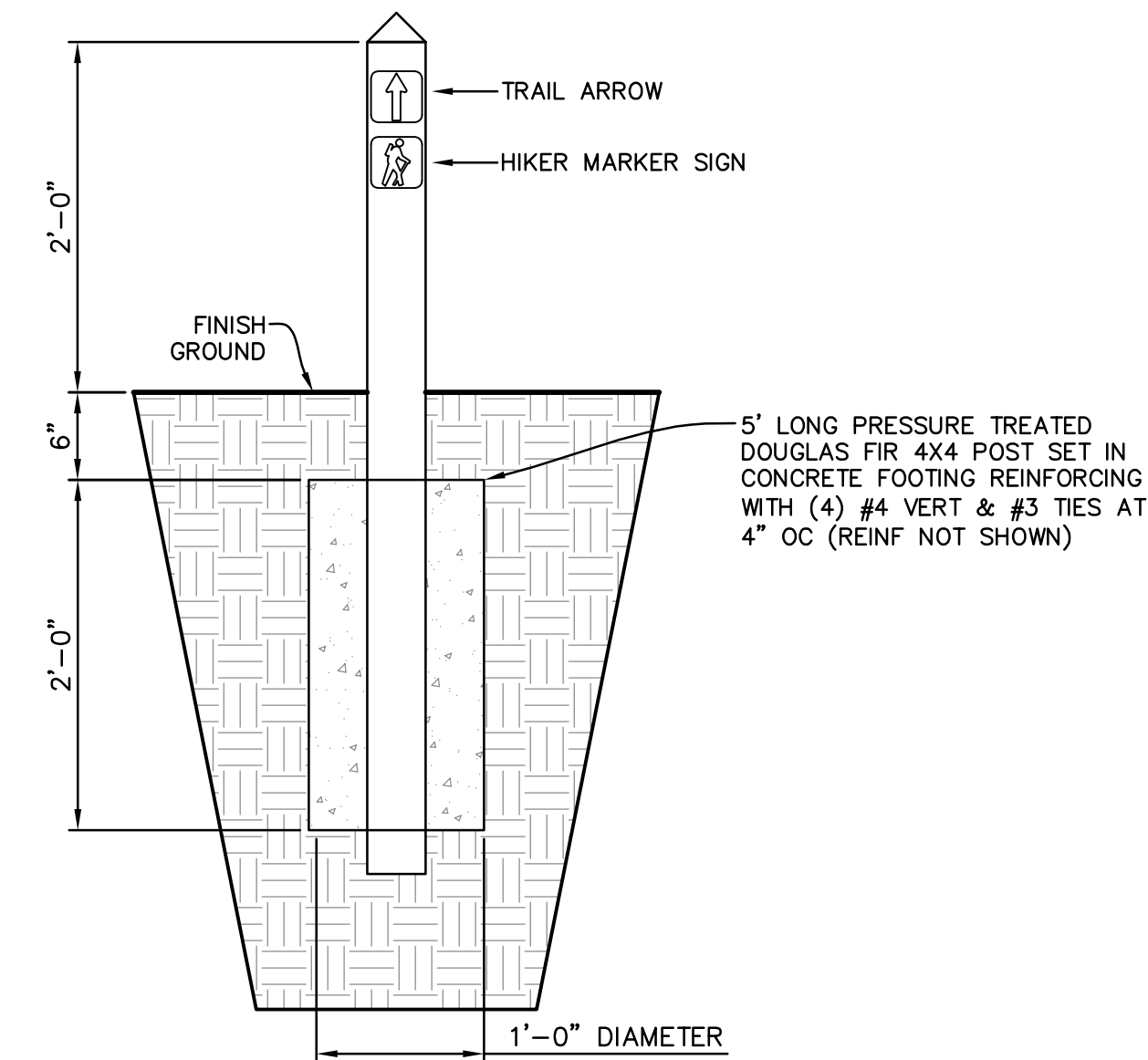
<p>FOR REDUCED PLANS ORIGINAL SCALE IN INCHES</p> <p>0 1 2 3</p>	<p>The Contractor shall verify and be responsible for all dimensions. DO NOT scale the drawing - any errors or omissions shall be reported to Stantec without delay. The Copyrights to all designs and drawings are the property of Stantec. Reproduction or use for any purpose other than that authorized by Stantec is forbidden.</p>	<table><tr><th>NO.</th><th>DATE</th><th>REVISIONS</th><th>APPD.</th></tr><tr><td> </td><td> </td><td> </td><td> </td></tr></table>	NO.	DATE	REVISIONS	APPD.					<p> 111 EAST VICTORIA STREET SANTA BARBARA, CA www.stantec.com</p>	<p>DESIGN <u>KB</u> CHECKED <u>BEF</u></p> <p>BRET FOSTER DATE: _____ PROJECT ENGINEER R.C.E. 48,267 (EXP. 6-30-18)</p>	<p></p>	<p>SLOPE MAP SANTA MONICA MOUNTAINS CONSERVANCY MOUNTAINS RECREATION & CONSERVATION AUTHORITY MALIBU, CALIFORNIA</p>	<p>P&S PROJECT NO. 2064119400/13638.05</p>
			NO.	DATE	REVISIONS	APPD.									
<p>SHEET 16 OF 16</p> <p>PLAN DATE MARCH 13, 2017</p>															

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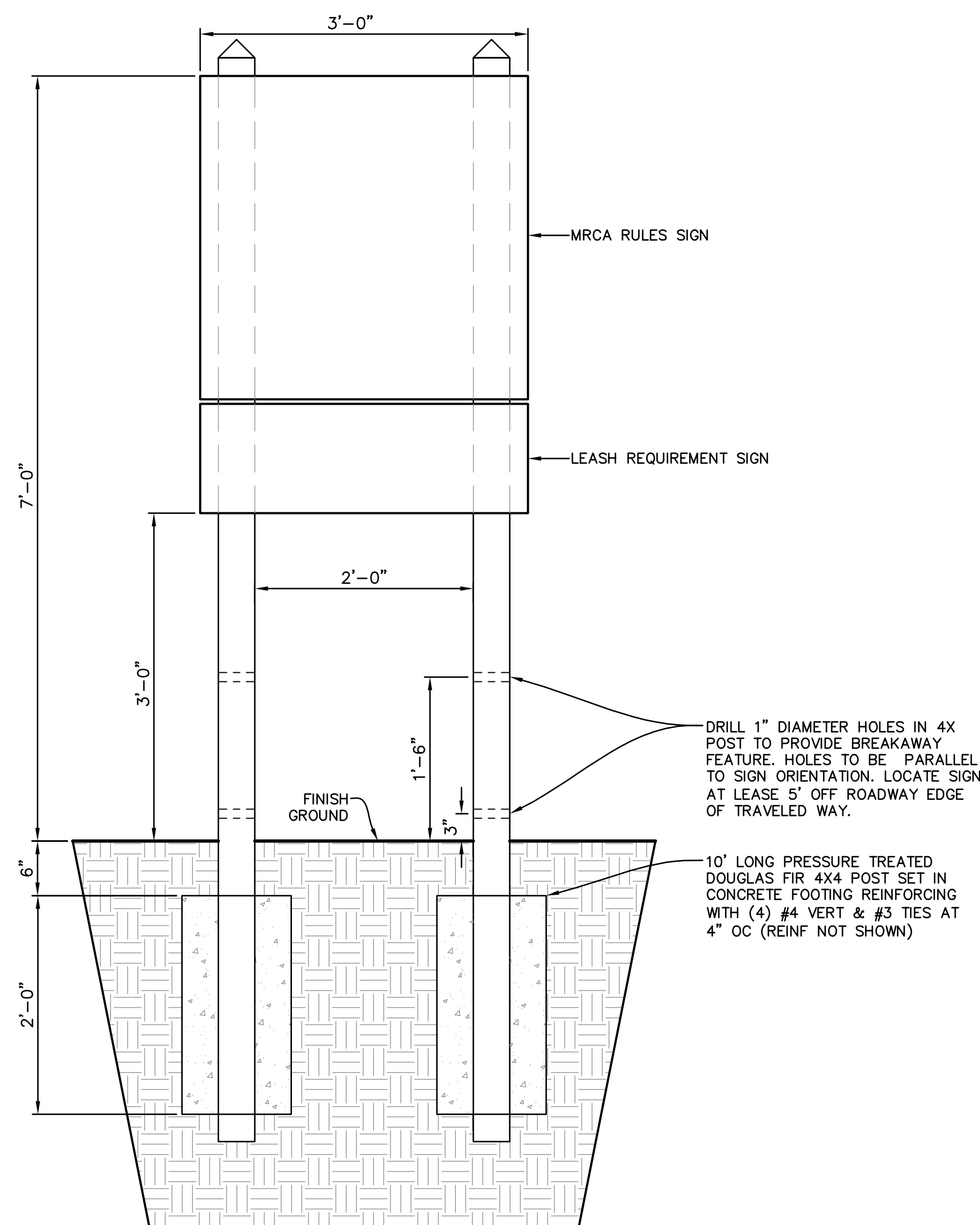
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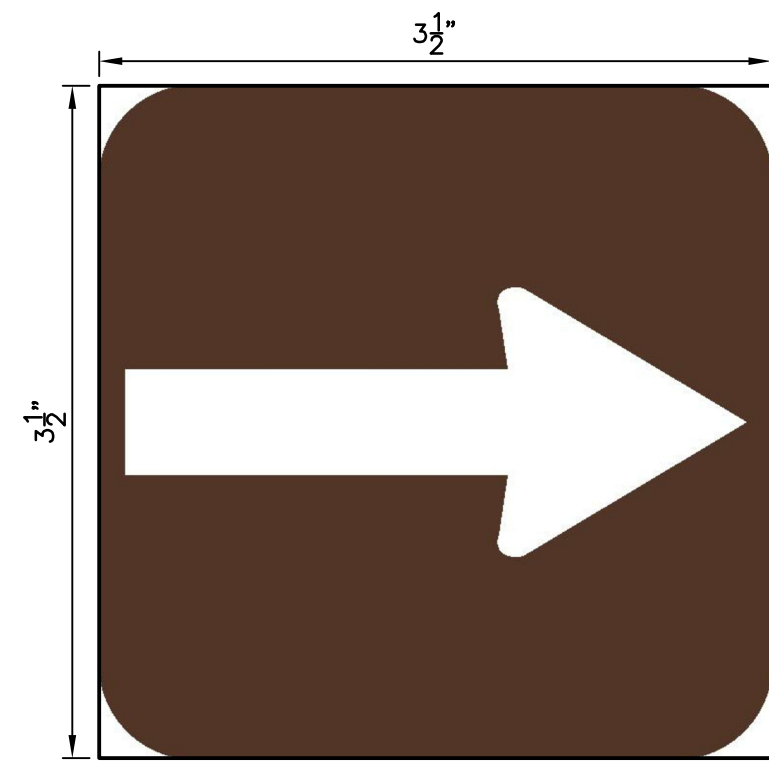
A NO PARKING SIGN & POST
SCALE: NTS



C TRAIL MARKER POST
SCALE: NTS



B TRAIL SIGN DOUBLE POST
SCALE: NTS



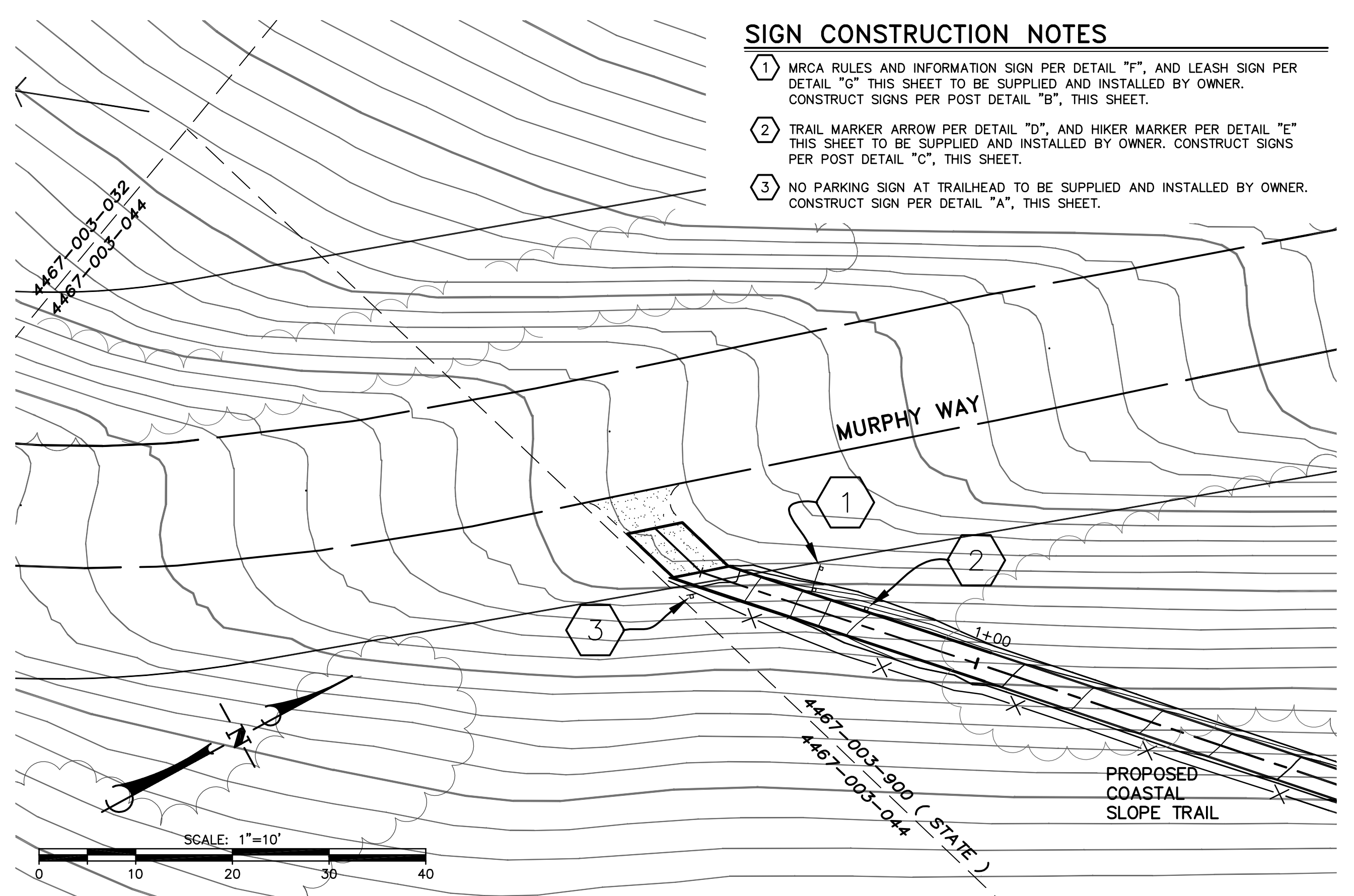
SIGN NOTES:
1. CORNERS: ROUNDED, RADIUS=1.5".
2. COLOR: SANTA MONICA BROWN, REVERSE PRINT ON WHITE REFLECTIVE SHEETING.
3. BORDER: 1/2" THICK.
4. COATING: 3M1150 MATERIAL .080 ALUMINUM.
5. ARROW: PER MRCA, COLOR WHITE SOLID.
6. SECURE SIGN TO POST. CONSTRUCT POST PER DETAIL C.
7. SUPPLIED AND INSTALLED BY OWNER.

D ARROW MARKER DETAIL
SCALE: NTS



SIGN NOTES:
1. CORNERS: ROUNDED, RADIUS=1.5".
2. COLOR: SANTA MONICA BROWN, REVERSE PRINT ON WHITE REFLECTIVE SHEETING.
3. BORDER: 1/2" THICK.
4. COATING: 3M1150 MATERIAL .080 ALUMINUM.
5. HIKER: PER MRCA, COLOR WHITE SOLID.
6. SECURE SIGN TO POST. CONSTRUCT POST PER DETAIL C.
7. SUPPLIED AND INSTALLED BY OWNER.

E HIKER MARKER DETAIL
SCALE: NTS



F TRAIL RULES SIGN DETAIL
SCALE: NTS



SIGN NOTES:
1. CORNERS: ROUNDED, RADIUS=1.5".
2. COLOR: SANTA MONICA BROWN, REVERSE PRINT ON WHITE REFLECTIVE SHEETING.
3. BORDER: 1/2" THICK.
4. FONT: HELVETICA, SOLID WHITE.
5. COATING: 3M1150 MATERIAL .080 ALUMINUM.
6. SECURE SIGN TO POST. CONSTRUCT POST PER DETAIL A.
7. SUPPLIED AND INSTALLED BY OWNER.

G DOGS ON LEASH SIGN DETAIL
SCALE: NTS

SIGN CONSTRUCTION NOTES

- MRCA RULES AND INFORMATION SIGN PER DETAIL "F", AND LEASH SIGN PER DETAIL "G" THIS SHEET TO BE SUPPLIED AND INSTALLED BY OWNER. CONSTRUCT SIGNS PER POST DETAIL "B", THIS SHEET.
- TRAIL MARKER ARROW PER DETAIL "D", AND HIKER MARKER PER DETAIL "E" THIS SHEET TO BE SUPPLIED AND INSTALLED BY OWNER. CONSTRUCT SIGNS PER POST DETAIL "C", THIS SHEET.
- NO PARKING SIGN AT TRAILHEAD TO BE SUPPLIED AND INSTALLED BY OWNER. CONSTRUCT SIGN PER DETAIL "A", THIS SHEET.

MURPHY WAY TRAIL ENTRANCE SIGN PLAN

TRAIL ENTRANCE SIGN PLAN COASTAL SLOPE TRAIL MURPHY WAY TO ESCONDIDO FALLS TRAIL

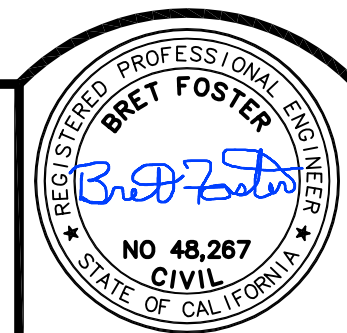
TRAIL ENTRANCE SIGN PLAN
CS TRAIL AT MURPHY WAY
SANTA MONICA MOUNTAINS CONSERVANCY
MALIBU, CALIFORNIA

P&S PROJECT NO.
2064119400/13638.05
SHEET
1 OF 1
PLAN DATE
NOVEMBER 14, 2017

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DESIGN JHC CHECKED BEF

BRET FOSTER
PROJECT ENGINEER
R.C.E. 48,267 (EXP. 06-30-18)



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