

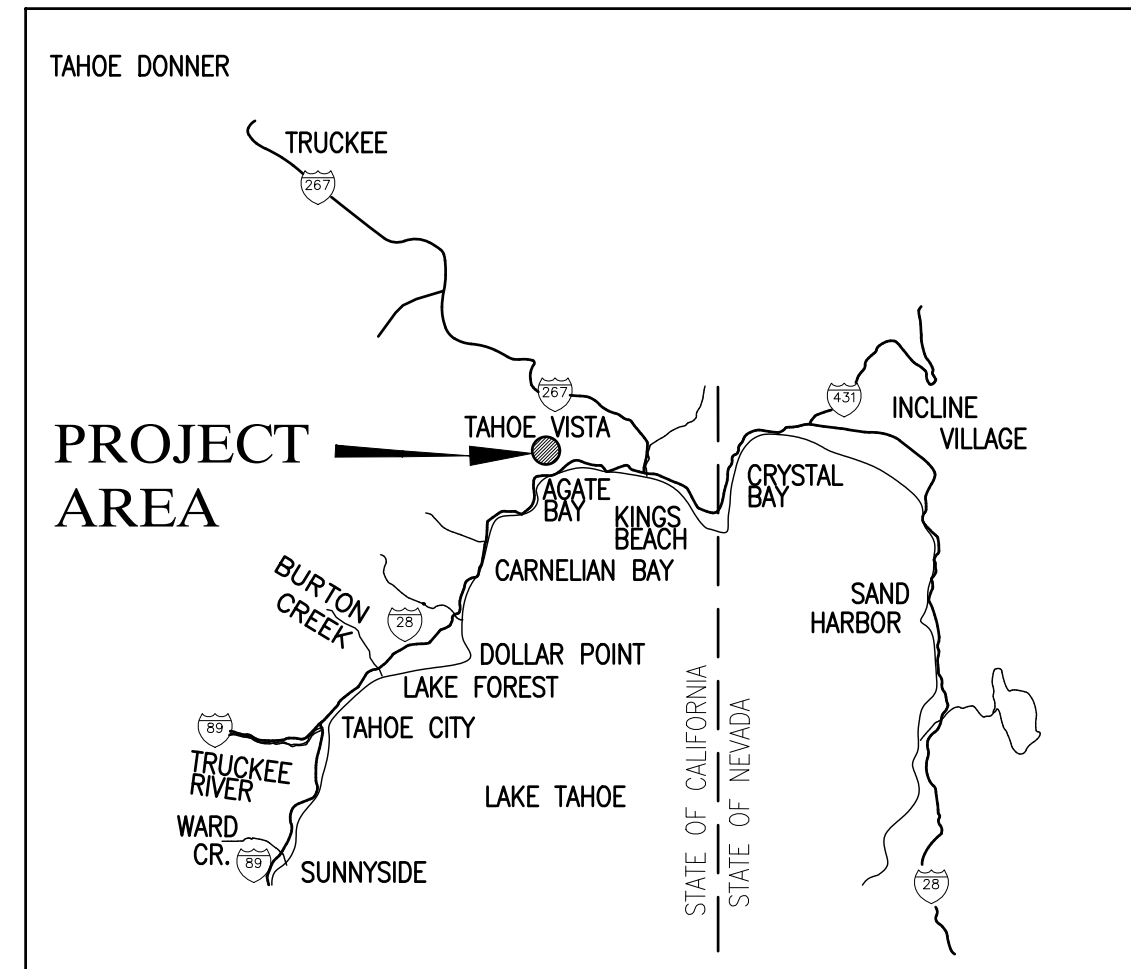
NORTH TAHOE SHARED USE TRAIL

TAHOE VISTA PLACER COUNTY, CALIFORNIA

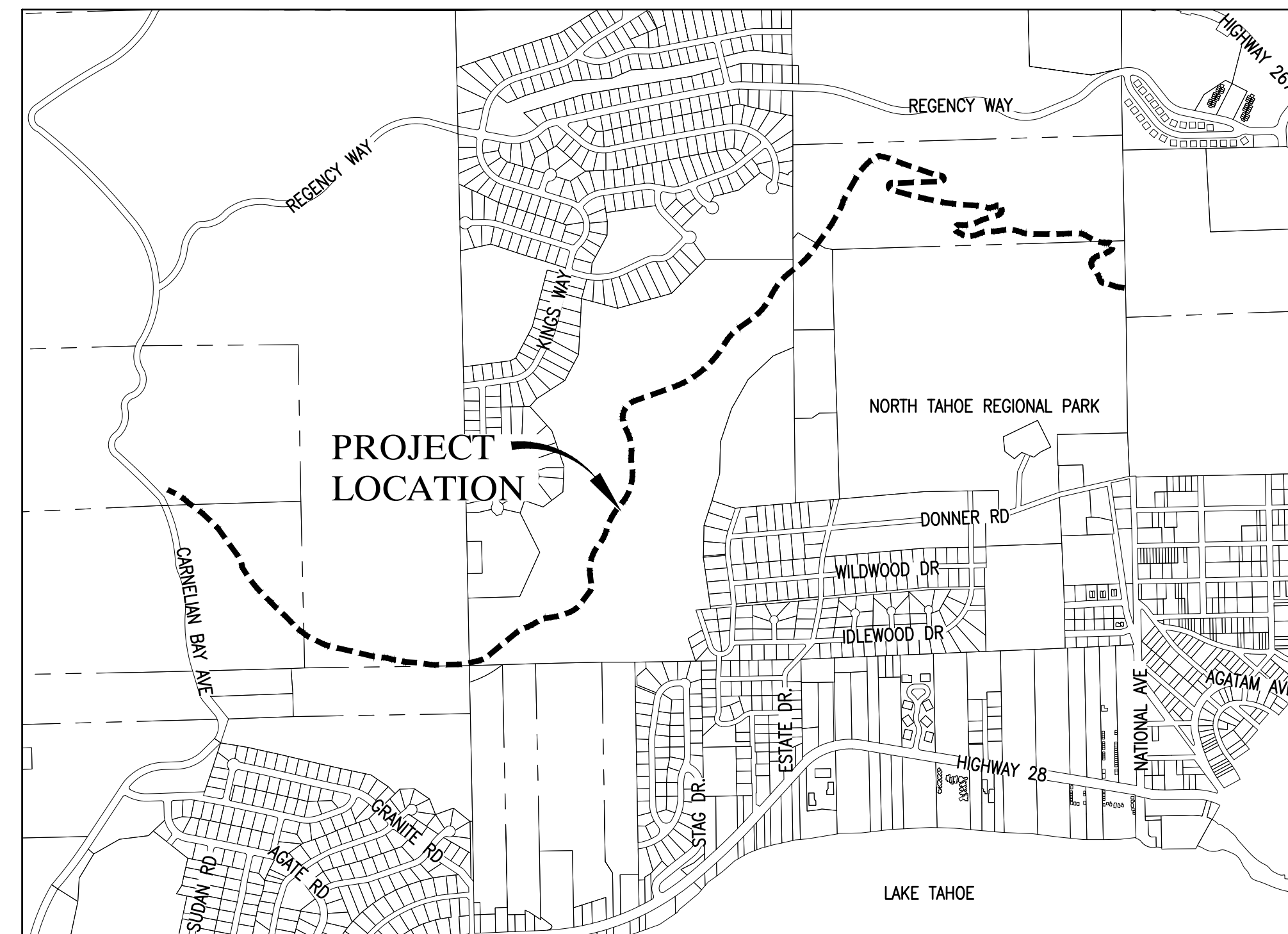
ENGINEER



224 Kingsbury Grade Road Suite 203
 Stateline, Nevada 89449
 (775) 588-2505 * Fax (775) 588-2607



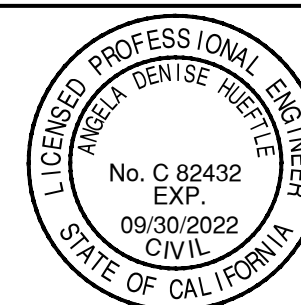
LOCATION MAP
NOT TO SCALE



VICINITY MAP
NOT TO SCALE

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26	BMP DETAILS
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28	DETAILS 2
29	DETAILS 3

DESIGNED BY: KH
 DATE: 11-30-21
 DRAWN BY: KH
 CHECKED BY: FH
 DATE: 11-15-21



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COUNTY OF PLACER
 DEPARTMENT OF PUBLIC WORKS
 TAHOE ENGINEERING DIVISION



PROJECT NO. #

SHEET NO. 1 OF 29

TITLE SHEET

THE COUNTY OF PLACER OR ITS OFFICERS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

BASIS OF BEARING-COORDINATES

BASIS OF BEARINGS AND COORDINATES ARE BASED ON TWO INDEPENDENT NGS OPUS OBSERVATIONS TAKEN ON AUGUST 13 AND 14, 2019 AND ARE EXPRESSED IN STATE PLANE COORDINATES, NAD83(2011), CA ZONE 2. ELEVATIONS ARE BASED ON NAVD88, GEOID 12B. US SURVEY FEET UNITS.

INSTRUCTIONS TO CONTRACTORS
 48 HOUR NOTICE REQUIRED
 PRIOR TO COMMENCING WORK

BEFORE COMMENCING WORK, ALL PLANS, SCHEDULES, AND PROGRAMS MUST BE SUBMITTED AND APPROVED IN CONFORMANCE WITH THE REQUIREMENTS OF SECTION 7-1.01E, 7-1.01G AND 8-1.04 OF THE PLACER COUNTY GENERAL SPECIFICATIONS DATED AUGUST 2005, AND THE STATE OF CALIFORNIA STANDARD SPECIFICATIONS DATED JULY 2002. BEFORE COMMENCING WORK, THE CONTRACTOR SHALL NOTIFY THE PLACER COUNTY DEPARTMENT OF PUBLIC WORKS 48 HOURS IN ADVANCE OF THE TIME OF COMMENCEMENT. CALL AUBURN (530) 889-7558, LAKE TAHOE (530) 581-6227

RECORD DRAWINGS NOTE

ALL INFORMATION SHOWN ON THESE PLANS HAS BEEN PREPARED BY, OR UNDER DIRECTION OF, THE UNDERSIGNED ENGINEER. ADJUSTMENTS MADE IN THE FIELD DURING CONSTRUCTION ARE INCLUDED HEREIN AND ARE BASED UPON FIELD OBSERVATIONS MADE UNDER THE DIRECTION OF OR BY THE UNDERSIGNED AND/OR INFORMATION RECEIVED FROM THE PROJECT OWNER, PROJECT CONTRACTORS, AND PUBLIC AGENCIES WHEN THE ENGINEER IS ADVISED IN WRITING OF SUCH CHANGE. THE ENGINEER PREPARING THESE PLANS WILL NOT BE RESPONSIBLE FOR, OR LIABLE FOR, CHANGES TO THESE PLANS NOT AUTHORIZED BY THE ENGINEER.

DATE _____

ENGINEER SIGNATURE _____
 (STAMP OR SEAL)



Know what's below.
 Call before you dig.

GENERAL NOTES

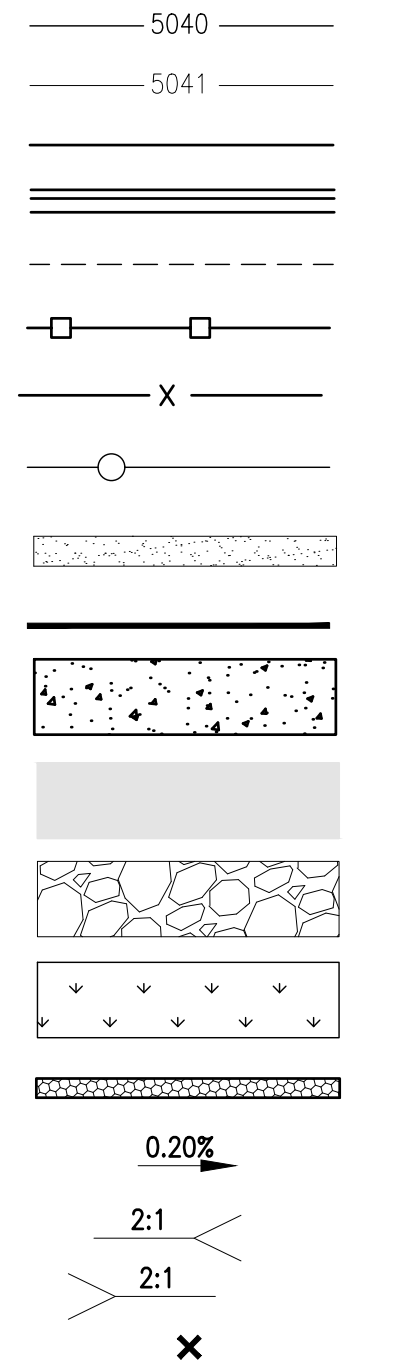
- 1. ALL CONSTRUCTION MATERIALS AND METHODS SHALL CONFORM TO THE REQUIREMENTS OF COUNTY OF PLACER GENERAL SPECIFICATIONS DATED APRIL, 2016. ALL REFERENCES TO STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS SHALL REFER TO THE 2018 EDITION OF THE STANDARD SPECIFICATIONS. ATTENTION IS ALSO DIRECTED TO THE STANDARD DRAWINGS CONTAINED IN THE PLACER COUNTY LAND DEVELOPMENT MANUAL AND THE CURRENT EDITION OF THE CALTRANS STANDARD PLANS, WHICH, WHEN APPLICABLE, ARE INCLUDED IN THESE DRAWINGS AND REFERENCED BY PLATE OR STANDARD PLAN NUMBER. CONTRACTOR IS RESPONSIBLE TO HAVE A CURRENT SET OF PLACER COUNTY GENERAL SPECIFICATIONS WITH PLATES, CALTRANS STANDARD SPECIFICATIONS, AND CALTRANS STANDARD PLANS.
2. OWNER, OR ENGINEER, AS USED ON THESE PLANS AND NOTES, REFERS TO THE COUNTY ENGINEER OR AN AUTHORIZED AGENT APPOINTED BY THE COUNTY ENGINEER. PROJECT ENGINEER AS USED ON THESE PLANS AND NOTES, REFERS TO NCE OR AN AUTHORIZED AGENT.
3. PUBLIC SAFETY AND TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH COUNTY REQUIREMENTS AND AS DIRECTED BY THE ENGINEER. SAFE VEHICULAR AND PEDESTRIAN ACCESS SHALL BE PROVIDED AT ALL TIMES DURING CONSTRUCTION.
4. A REGISTERED CIVIL ENGINEER OR LICENSED LAND SURVEYOR SHALL DO ALL FIELD STAKING. ALL STAKING SHALL BE DONE PER SECTION 5-1.07 PLACER COUNTY GENERAL SPECIFICATIONS.
5. THE CONTRACTOR IS HEREBY NOTIFIED THAT PRIOR TO COMMENCING CONSTRUCTION, HE IS RESPONSIBLE FOR CONTACTING ALL UTILITY COMPANIES FOR VERIFICATION AT THE CONSTRUCTION SITE OF THE LOCATIONS OF ALL UNDERGROUND FACILITIES WHERE SUCH FACILITIES MAY POSSIBLY CONFLICT WITH THE PLACEMENT OF THE IMPROVEMENTS SHOWN ON THESE PLANS. CALL "UNDERGROUND SERVICE ALERT" AT 800-227-2600 TWO (2) DAYS MINIMUM TO FOURTEEN (14) DAYS MAXIMUM BEFORE ANY EXCAVATION IS STARTED.
6. THE CONTRACTOR IS RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING MONUMENTS AND OTHER SURVEY MARKERS. MONUMENTS AND SURVEY MARKERS DESTROYED DURING CONSTRUCTION SHALL BE REPLACED AT THE CONTRACTOR'S EXPENSE.
7. ALL EXISTING ASPHALT SURFACES SHALL BE SAW CUT OR GROUND TO A DEPTH OF AT LEAST 0.20-FOOT A DISTANCE OF ONE-FOOT MINIMUM BEYOND THE LIMITS OF DISTURBANCE TO A NEAT, STRAIGHT LINE AND REMOVED. THE EXPOSED EDGE SHALL BE SEALED WITH EMULSION PRIOR TO PAVING. THE EXPOSED BASE MATERIAL SHALL BE GRADED, RECOMPACTED AND RESEALED PRIOR TO PAVING.
8. THE CONTRACTOR SHALL MAINTAIN ADEQUATE DUST CONTROL PER SECTION 10, CALTRANS STANDARD SPECIFICATIONS.
9. ALL EQUIPMENT SHALL BE REQUIRED TO BE CLEANED PRIOR TO MOBILIZATION TO THE PROJECT SITE TO PREVENT THE SPREAD OF INVASIVE SPECIES.
10. NO CONSTRUCTION SHALL BE PERFORMED WITHOUT A STATE REGIONAL WATER QUALITY CONTROL BOARD STORM WATER POLLUTION PREVENTION PLAN (SWPPP). ALL EROSION AND SEDIMENTATION CONTROL MEASURES SHALL BE IN ACCORDANCE WITH THE SPECIFICATIONS AND RECOMMENDATIONS CONTAINED IN THE SWPPP AND AS REQUIRED BY THE STATE CONSTRUCTION GENERAL PERMIT AND THE NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM (NPDES).
11. INSTALLATION AND MAINTENANCE OF EROSION CONTROL MEASURES ARE THE RESPONSIBILITY OF THE CONTRACTOR. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREVENTION OF SIGNIFICANT EROSION AND SILTATION ENTERING THE STORM DRAIN SYSTEM, NATURAL DRAINAGE COURSES AND/OR INTRUDING UPON ADJACENT ROADWAYS AND PROPERTIES. WINTERIZATION AND EROSION CONTROL SHOWN ON THESE PLANS IS INTENDED AS A GUIDE. ADDITIONAL EROSION CONTROL MEASURES MAY BE REQUIRED AS DETERMINED IN THE FIELD AND APPROVED BY THE ENGINEER. THIS RESPONSIBILITY SHALL APPLY THROUGHOUT THE COURSE OF CONSTRUCTION AND UNTIL ALL DISTURBED AREAS HAVE BECOME STABILIZED AND SHALL NOT BE LIMITED TO WET WEATHER PERIODS.
12. AFTER STRIPPING THE DEBRIS, ANY EXISTING LOOSE FILL, UNSUITABLE SOIL, SILTY SAND DEPOSITS, OR DISTURBED NATURAL SOILS SHALL BE EXCAVATED AND PROPERLY DISPOSED OF TO THE SATISFACTION OF THE ENGINEER.
13. THE CONTRACTOR SHALL REMOVE ALL ROAD MARKINGS, PAVEMENT MARKERS, AND OTHER DELINEATION THAT ARE IN CONFLICT WITH THE DELINEATION SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL LAYOUT ALL PAVEMENT MARKINGS FOR APPROVAL BY THE ENGINEER. AFTER APPROVAL, THE CONTRACTOR SHALL APPLY ALL PAINTED MARKINGS AND THERMOPLASTIC PAVEMENT MARKINGS WITHIN COUNTY RIGHT-OF-WAY AS WELL AS ALL ON-SITE PAINTED OR THERMOPLASTIC MARKINGS.
14. AC PAVING SHALL CONFORM TO PLACER COUNTY SPECIFICATIONS AND SPECIFICATION SECTION 39 "HOTMIX ASPHALT" IN THE SPECIAL PROVISIONS.
15. ALL WORK WITHIN COUNTY RIGHT-OF-WAY SHALL CONFORM TO ALL PROVISIONS OF ENCRoACHMENT STATED IN THE PERMIT SPECIFICATIONS AND GENERAL PROVISIONS OF THE COUNTY ENCRoACHMENT PERMIT.
16. THE CONTRACTOR MUST IMMEDIATELY REINSTALL ANY TRAFFIC SIGNS REMOVED IN THE COURSE OF CONSTRUCTION. ANY SIGNS LOST OR DAMAGED BY THE CONTRACTOR SHALL BE REPLACED OR REPAIRED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER.
17. THE COUNTY MAY REQUIRE THE CONTRACTOR TO UNCOVER ANY IMPROVEMENTS THAT HAVE BEEN COMPLETED WITHOUT PROPER COUNTY INSPECTION AND/OR APPROVAL. IF THE INSTALLATION IS FOUND NOT TO MEET COUNTY STANDARDS OR PREVIOUSLY APPROVED ALTERNATIVES SHOWN ON THE PLANS, THE CONTRACTOR MAY BE REQUIRED TO REMOVE AND REPLACE SUCH IMPROVEMENTS AT THEIR EXPENSE.
18. PRIOR TO ANY ACTIVITY WITHIN THE COUNTY RIGHT-OF-WAY, THE CONTRACTOR SHALL INSTALL W20-1 SIGNS IN ACCORDANCE WITH PART 6 OF THE CALIFORNIA MUTCD. THE SIGNS SHALL BE PROFESSIONALLY MADE, METAL, REFLECTORIZED AND PLACED ON WOODEN POSTS FOR THE DURATION OF THE PROJECT. THE MINIMUM SIZE SHALL BE 36". THE SIGNS SHALL BE REPLACED OR REPAIRED IF STOLEN OR DAMAGED. THE PLACEMENT, TYPE AND LOCATION OF ALL TRAFFIC CONTROL DEVICES SHALL BE REVIEWED AND APPROVED BY THE COUNTY INSPECTOR. THE INSPECTOR SHALL DIRECT THE INSTALLATION OR CHANGES TO SIGNS, STRIPING, CONES, BARRICADES ETC. DURING THE COURSE OF CONSTRUCTION FOR TRAFFIC SAFETY.
19. ONLY THE APPROXIMATE LOCATION OF THE EXISTING SANITARY SEWER HAS BEEN SHOWN. THE CONTRACTOR SHALL VERIFY EXACT LOCATION IN THE FIELD AND IMMEDIATELY NOTIFY THE PROJECT ENGINEER IF SAID LOCATION IS SIGNIFICANTLY DIFFERENT FROM THAT SHOWN ON THIS PLAN.
20. UNBALANCED EARTHWORK QUANTITIES MAY REQUIRE A GRADING PERMIT FOR THE OFFSITE FACILITY IF EXPORT/IMPORT EXCEEDS 250 CUBIC YARDS AS REQUIRED BY THE COUNTIES GRADING ORDINANCE. IF EXCESS MATERIAL WILL BE PLACED ON SITE, THEN THE PROJECT ENGINEER SHALL SUBMIT A REVISION TO THE PLANS SHOWING WHERE EXCESS MATERIAL WILL BE PLACED ON SITE.
21. TEMPORARY CONSTRUCTION FENCING: THE CONTRACTOR SHALL INSTALL A 4' TALL, BRIGHTLY COLORED (USUALLY YELLOW OR ORANGE), SYNTHETIC MESH MATERIAL FENCE (OR AN EQUIVALENT APPROVED BY THE ENGINEER) AT THE FOLLOWING LOCATIONS PRIOR TO ANY CONSTRUCTION EQUIPMENT BEING MOVED ON SITE OR ANY CONSTRUCTION ACTIVITIES TAKING PLACE:
1) ADJACENT TO ANY AND ALL WETLAND PRESERVATION EASEMENTS THAT ARE WITHIN 50' OF ANY PROPOSED CONSTRUCTION ACTIVITY.
2) AT THE LIMITS OF CONSTRUCTION, OUTSIDE THE DRIPLINE OF ALL TREES 6" DBH (DIAMETER AT BREAST HEIGHT), OR 10" DBH AGGREGATE FOR MULTI -TRUNK TREES, WITHIN 50' OF ANY GRADING, ROAD IMPROVEMENTS, UNDERGROUND UTILITIES, OR OTHER DEVELOPMENT ACTIVITY, OR AS OTHERWISE SHOWN ON PLANS.
3) AROUND ANY AND ALL "SPECIAL PROTECTION AREAS" AS DISCUSSED IN THE PROJECTS ENVIRONMENTAL REVIEW DOCUMENTS. IN ADDITION, A 1' X 2' SIGN SHALE BE ATTACHED TO THE FENCING STATING "THIS TREE TO BE SAVED" OR "PROTECTION AREA-KEEP OUT".
NO DEVELOPMENT OF THIS SITE, INCLUDING GRADING, WILL BE ALLOWED UNTIL THIS CONDITION IS SATISFIED. ANY ENCRoACHMENT WITHIN THESE AREAS, INCLUDING DRIPLINES OF TREES TO BE SAVED, MUST FIRST BE APPROVED BY THE DRC. NO GRADING, CLEARING, STORAGE OF EQUIPMENT OR MACHINERY, ETC., MAY OCCUR UNTIL A REPRESENTATIVE OF THE DRC HAS INSPECTED AND APPROVED ALL TEMPORARY CONSTRUCTION FENCING. THIS INCLUDES BOTH ON-SITE AND OFF-SITE IMPROVEMENTS. EFFORTS SHOULD BE MADE TO SAVE TREES WHERE FEASIBLE. THIS MAY INCLUDE THE USE OF RETAINING WALLS, PLANTER ISLANDS, PAVERS, OR OTHER TECHNIQUES COMMONLY ASSOCIATED WITH TREE PRESERVATION.
22. ARCHAEOLOGICAL ARTIFACTS: IF ANY ARCHAEOLOGICAL ARTIFACTS, EXOTIC ROCK (NON-NATIVE), OR UNUSUAL AMOUNTS OF SHELL OR BONE ARE UNCOVERED DURING ANY ONSITE CONSTRUCTION ACTIVITIES, ALL WORK MUST STOP IMMEDIATELY IN THE AREA AND A SOPA-CERTIFIED (SOCIETY OF PROFESSIONAL ARCHAEOLOGISTS) ARCHAEOLOGIST RETAINED TO EVALUATE THE DEPOSIT. THE PLACER COUNTY PLANNING DEPARTMENT AND DEPARTMENT OF MUSEUMS MUST ALSO BE CONTACTED FOR REVIEW OF THE ARCHAEOLOGICAL FIND(S). IF THE DISCOVERY CONSISTS OF HUMAN REMAIN, THE PLACER COUNTY CORONER AND NATIVE AMERICAN HERITAGE COMMISSION MUST ALSO BE CONTACTED. WORK IN THE AREA MAY ONLY PROCEED AFTER AUTHORIZATION IS GRANTED BY THE PLACER COUNTY PLANNING DEPARTMENT.

DEVELOPERS NOTES

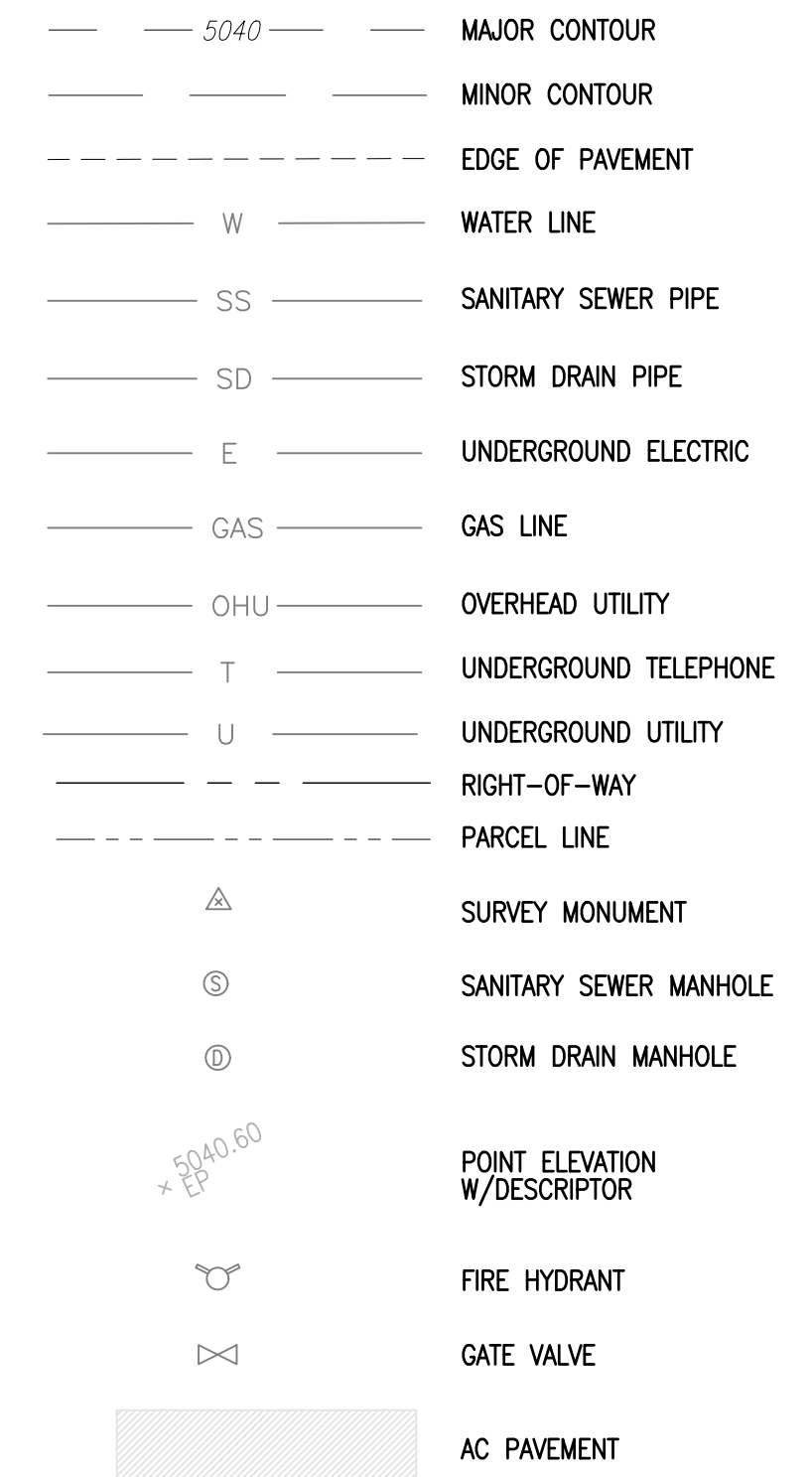
- 1. THE BASIS OF BEARING, DATUM, AND CONTROL POINTS FOR THE PROJECT ARE PRESENTED ON SHEET 1 OF 29.
2. THE CONTRACTOR IS RESPONSIBLE FOR MATCHING EXISTING STREETS, SURROUNDING LANDSCAPE AND OTHER IMPROVEMENTS WITH SMOOTH TRANSITIONS AND AVOIDING ANY ABRUPT OR APPARENT CHANGES IN GRADES OR CROSS SLOPES, LOW SPOTS OR HAZARDOUS CONDITIONS.
3. THE FOLLOWING STANDARDS AND SPECIFICATIONS ARE REQUIREMENTS APPLICABLE TO THIS PROJECT AND SHALL BE MAINTAINED EXCEPT AS EXPLICITLY MODIFIED OR SUPPLEMENTED BY THESE PLANS. ALL REFERENCE STANDARDS AND SPECIFICATIONS ARE THE LATEST EDITIONS.
A. CALIFORNIA DEPARTMENT OF TRANSPORTATION
B. PLACER COUNTY
C. NORTH TAHOE PUBLIC WORKS DEPARTMENT
D. LIBERTY ENERGY
E. PACIFIC BELL TELEPHONE
F. SOUTHWEST GAS
G. AT&T CABLE SERVICES
4. CONTRACTOR SHALL POST EMERGENCY TELEPHONE NUMBERS FOR PUBLIC WORKS, AMBULANCE, POLICE AND FIRE DEPARTMENTS.
5. CONTRACTOR SHALL COMPLY WITH THE RULES AND REGULATIONS OF THE STATE CONSTRUCTION SAFETY ORDERS.
6. THE PROPOSED WORK IS SUBJECT TO ENVIRONMENTAL PROTECTION REQUIREMENTS AS SET FORTH BY THE LAHONTAN REGIONAL WATER QUALITY CONTROL BOARD (LRWQCB). THE CONTRACTOR SHALL CONDUCT ALL OPERATIONS IN ACCORDANCE WITH APPLICABLE REGULATIONS OF THIS AGENCY, AND AS OUTLINED IN THEIR PROJECT APPROVALS.
7. ALL GRADING WORK SHALL CONFORM TO PROVISIONS OF THE COUNTY GRADING ORDINANCE (CHAPTER 29, PLACER COUNTY CODE) LATEST EDITION.
8. ALL MOBILE CONSTRUCTION EQUIPMENT, INCLUDING ELECTRICAL GENERATORS AND COMPRESSORS, UTILIZED DURING CONSTRUCTION SHALL BE PROPERLY MAINTAINED AND TUNED-UP. AS PRACTICAL, LOW EMISSION EQUIPMENT SHALL BE USED ONSITE. LOW SULFUR FUEL FOR CONSTRUCTION EQUIPMENT SHALL BE USED.
9. IF ANY PALEONTOLOGICAL RESOURCES OR ARCHAEOLOGICAL ARTIFACTS, EXOTIC ROCK (NONNATIVE) OR UNUSUAL AMOUNTS OF SHELL OR BONE ARE UNCOVERED DURING ANY ONSITE CONSTRUCTION ACTIVITIES, ALL WORK MUST STOP IMMEDIATELY IN THE AREA AND A QUALIFIED PALEONTOLOGIST OR ARCHEOLOGIST (AS APPROPRIATE) RETAINED TO EVALUATE THE DEPOSIT. THE PLACER COUNTY PLANNING DEPARTMENT AND DEPARTMENT OF MUSEUMS MUST ALSO BE CONTACTED FOR REVIEW OF THE PALEONTOLOGICAL/ARCHEOLOGICAL FIND(S).
10. IF THE DISCOVERY CONSISTS OF HUMAN REMAINS, THE PLACER COUNTY CORONER AND NATIVE AMERICAN HERITAGE COMMISSION MUST ALSO BE CONTACTED. WORK IN THE AREA MAY ONLY PROCEED AFTER THE PLANNING DEPARTMENT GRANTS AUTHORIZATION.
11. TEMPORARY POWER IF REQUIRED SHALL UTILIZE EXISTING POWER SERVICES OR CLEAN FUEL GENERATORS RATHER THAN TEMPORARY POWER GENERATORS.
12. EXISTING TOPOGRAPHY BASED ON AERIAL TOPOGRAPHY PERFORMED BY VERTICAL MAPPING, AUBURN CALIFORNIA. FLIGHT DATE 08/23/2019 AND A TOPOGRAPHIC SURVEY BY REY ENGINEERING ON 08/24/2020.
13. THE CONTRACTOR SHALL KEEP DETAILED RECORDS AND AS-BUILTS SHOWING ALL MODIFICATIONS MADE TO THESE PLANS. THESE RECORDS AND AS-BUILTS SHALL BE PROVIDED TO THE ENGINEER UPON PROJECT COMPLETION FOR USE IN PREPARING RECORD DRAWINGS.
14. BLASTING SHALL COMPLY WITH APPLICABLE REGULATIONS INCLUDING, BUT NOT LIMITED TO: STATE FIRE MARSHAL (CCR, TITLE 19), OSHA (CCR, TITLE 8), U.S. DEPARTMENT OF TRANSPORTATION (CFR TITLE 29), AND ANY CONDITIONS IMPOSED BY PLACER COUNTY PERTAINING TO THE USE OF EXPLOSIVES FOR CONSTRUCTION SITE BLASTING. THE CONTRACTOR SHALL OBTAIN A BLASTING PERMIT FROM PLACER COUNTY'S SHERIFF DEPARTMENT. THE CONTRACTOR SHALL NOTIFY PLACER COUNTY DPW A MINIMUM OF 48 HOURS IN ADVANCE OF ANY PROPOSED BLASTING. BLASTING WILL BE LIMITED TO THE HOURS OF 8:00 AM TO 6:00 PM.
15. THE CONTRACTOR SHALL SUPPLY THE OWNER WITH ALL WARRANTIES OR GUARANTEES PROVIDED BY ANY SUPPLIER, DISTRIBUTOR, OR MANUFACTURER OF MATERIALS OR SUPPLIES USED IN THE CONSTRUCTION OF THE IMPROVEMENTS INDICATED IN THESE PLANS. THESE WARRANTIES OR GUARANTEES SHALL BE PROVIDED IN ADDITION TO ANY WARRANTIES OR GUARANTEES SEPERATELY REQUIRED BY THE OWNER FROM THE CONTRACTOR.
16. FOR ALL SUBDIVISION CONSTRUCTION OR LOT GRADING, THE CONTRACTOR SHALL BE REQUIRED TO USE A CHIPPER UNIT, FUEL BURNING, AND/OR YARDING TO DISPOSE OF WOOD DEBRIS AS AN ALTERNATIVE TO OPEN BURNING OF CLEARED TREES AND BRUSH. NO WOODING OF CONSTRUCTION DEBRIS OR OTHER ILLEGAL MATERIALS IS ALLOWED.
17. THE EXISTING UTILITIES SHOWN ON THE DRAWINGS ARE APPROXIMATE AND FOR GENERAL INFORMATION ONLY. THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR VERIFICATION OF EXISTING UNDERGROUND UTILITIES, WHETHER INDICATED OR NOT ON THE DRAWINGS, PRIOR TO ANY CONSTRUCTION ACTIVITY. THE CONTRACTOR SHALL PROTECT AND ASSUME LIABILITY FOR ALL EXISTING OR NEWLY PLACED UTILITY STRUCTURES AND LINES FROM ANY DAMAGE OR DISRUPTION OF SERVICE DURING CONSTRUCTION.
18. NICHOLS CONSULTING ENGINEERS HAS EXERCISED A REASONABLE AND ACCEPTABLE STANDARD OF CARE IN THE PREPARATION OF THESE PLANS. HOWEVER, THE DESIGN PROCESS INCLUDES ACTIVITIES OCCURRING AFTER PLAN SIGNATURE. THESE ACTIVITIES INCLUDE CALCULATION, PLAN CHECK AND VERIFICATIONS DURING CONSTRUCTION. SHOULD PERSONS, OTHER THAN NICHOLS CONSULTING ENGINEERS, PERFORM THE CONSTRUCTION STAKING OPERATION, THEY SHALL INDEMNIFY NICHOLS CONSULTING ENGINEERS FROM ANY DAMAGES RESULTING FROM FAILURE TO PERFORM THOSE TASKS OR ANY EXPENSE OR DAMAGE RESULTING FROM OMISSION OR ERROR CONTAINED IN THE PLANS WHICH WOULD REASONABLY HAVE BEEN DISCOVERED AND CORRECTED BY NICHOLS CONSULTING ENGINEERS.
19. TEMPORARY CONSTRUCTION FENCING: THE CONTRACTOR SHALL INSTALL A 4' TALL, BRIGHTLY COLORED (USUALLY YELLOW OR ORANGE), SYNTHETIC MESH MATERIAL FENCE (OR AN EQUIVALENT APPROVED BY THE ENGINEER) AT THE FOLLOWING LOCATIONS PRIOR TO ANY CONSTRUCTION EQUIPMENT BEING MOVED ON SITE OR ANY CONSTRUCTION ACTIVITIES TAKING PLACE:
1) ADJACENT TO ANY AND ALL WETLAND PRESERVATION EASEMENTS THAT ARE WITHIN 50' OF ANY PROPOSED CONSTRUCTION ACTIVITY.
2) AT THE LIMITS OF CONSTRUCTION, OUTSIDE THE DRIPLINE OF ALL TREES 6" DBH (DIAMETER AT BREAST HEIGHT), OR 10" DBH AGGREGATE FOR MULTI -TRUNK TREES, WITHIN 50' OF ANY GRADING, ROAD IMPROVEMENTS, UNDERGROUND UTILITIES, OR OTHER DEVELOPMENT ACTIVITY, OR AS OTHERWISE SHOWN ON PLANS.
3) AROUND ANY AND ALL "SPECIAL PROTECTION AREAS" AS DISCUSSED IN THE PROJECTS ENVIRONMENTAL REVIEW DOCUMENTS. IN ADDITION, A 1' X 2' SIGN SHALE BE ATTACHED TO THE FENCING STATING "THIS TREE TO BE SAVED" OR "PROTECTION AREA-KEEP OUT".
20. CONSTRUCTION NOISE EMANATING FROM ANY CONSTRUCTION ACTIVITIES FOR WHICH A GRADING OR BUILDING PERMIT IS REQUIRED IS PROHIBITED ON SUNDAYS AND FEDERAL HOLIDAYS, AND SHALL ONLY OCCUR:
a) MONDAY THROUGH FRIDAY, 6:00AM TO 8:00PM (DURING DAYLIGHT SAVINGS)
b) MONDAY THROUGH FRIDAY, 7:00AM TO 8:00PM (DURING STANDARD TIME)
c) SATURDAYS, 8:00AM TO 6:00PM
IN ADDITION, TEMPORARY SIGNS (4'x4') SHALL BE LOCATED THROUGHOUT THE PROJECT, AS DETERMINED BY THE DRC, AT KEY INTERSECTIONS DEPICTING THE ABOVE CONSTRUCTION HOUR LIMITATIONS. SAID SIGNS SHALL INCLUDE A TOLL FREE PUBLIC INFORMATION PHONE NUMBER WHERE SURROUNDING RESIDENTS CAN REPORT VIOLATIONS AND THE DEVELOPER/BUILDER WILL RESPOND AND RESOLVE NOISE VIOLATIONS. THIS CONDITION SHALL BE INCLUDED ON THE IMPROVEMENT PLANS AND SHOWN IN THE DEVELOPMENT NOTEBOOK.
ADVISORY COMMENT: ESSENTIALLY, QUIET ACTIVITIES, WHICH DO NOT INVOLVE HEAVY EQUIPMENT OR MACHINERY, MAY OCCUR AT OTHER TIMES. WORK OCCURRING WITHIN AN ENCLOSED BUILDING, SUCH AS A HOUSE UNDER CONSTRUCTION WITH THE ROOF AND SIDING COMPLETED, MAY OCCUR AT OTHER TIMES AS WELL. THE PLANNING DIRECTOR IS AUTHORIZED TO WAIVE THE TIME FRAMES BASED ON SPECIAL CIRCUMSTANCES, SUCH AS ADVERSE WEATHER CONDITIONS.

LEGEND

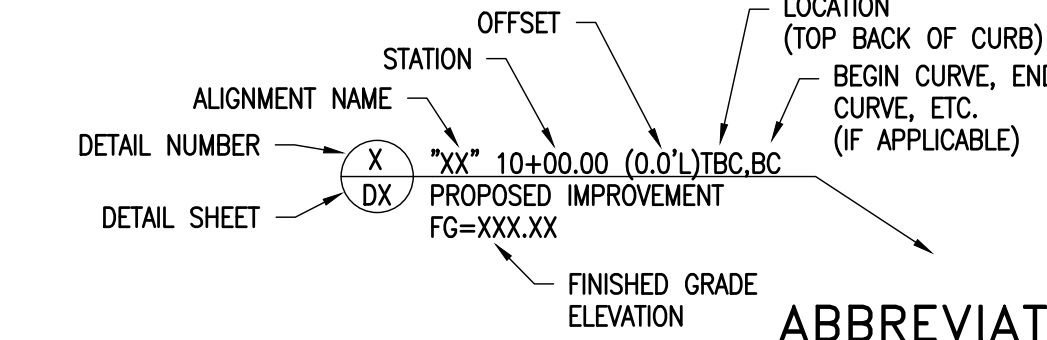
PROPOSED FEATURES



EXISTING FEATURES



TYPICAL IMPROVEMENT NOTE



ABBREVIATIONS

Table of abbreviations used in the drawings. Includes categories like Aggregate Base (AB), Asphalt Concrete (AC), Above Ground (A/G), etc. Also includes a note: 'NOT ALL ABBREVIATIONS LISTED ARE USED IN THESE PLANS'. Includes a stamp: '30% SUBMITTAL PRELIMINARY FOR REVIEW NOT FOR CONSTRUCTION DATE: 11-30-2021'.

THE COUNTY OF PLACER OR ITS OFFICERS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

Approval and revision table with columns for Date, Approved By, Description and Sheet No., and Revision #.



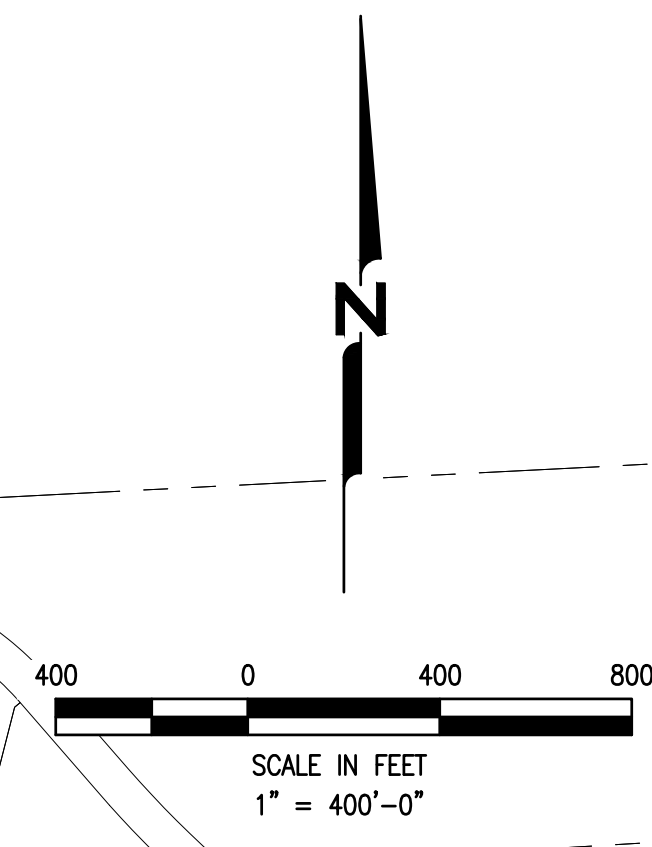
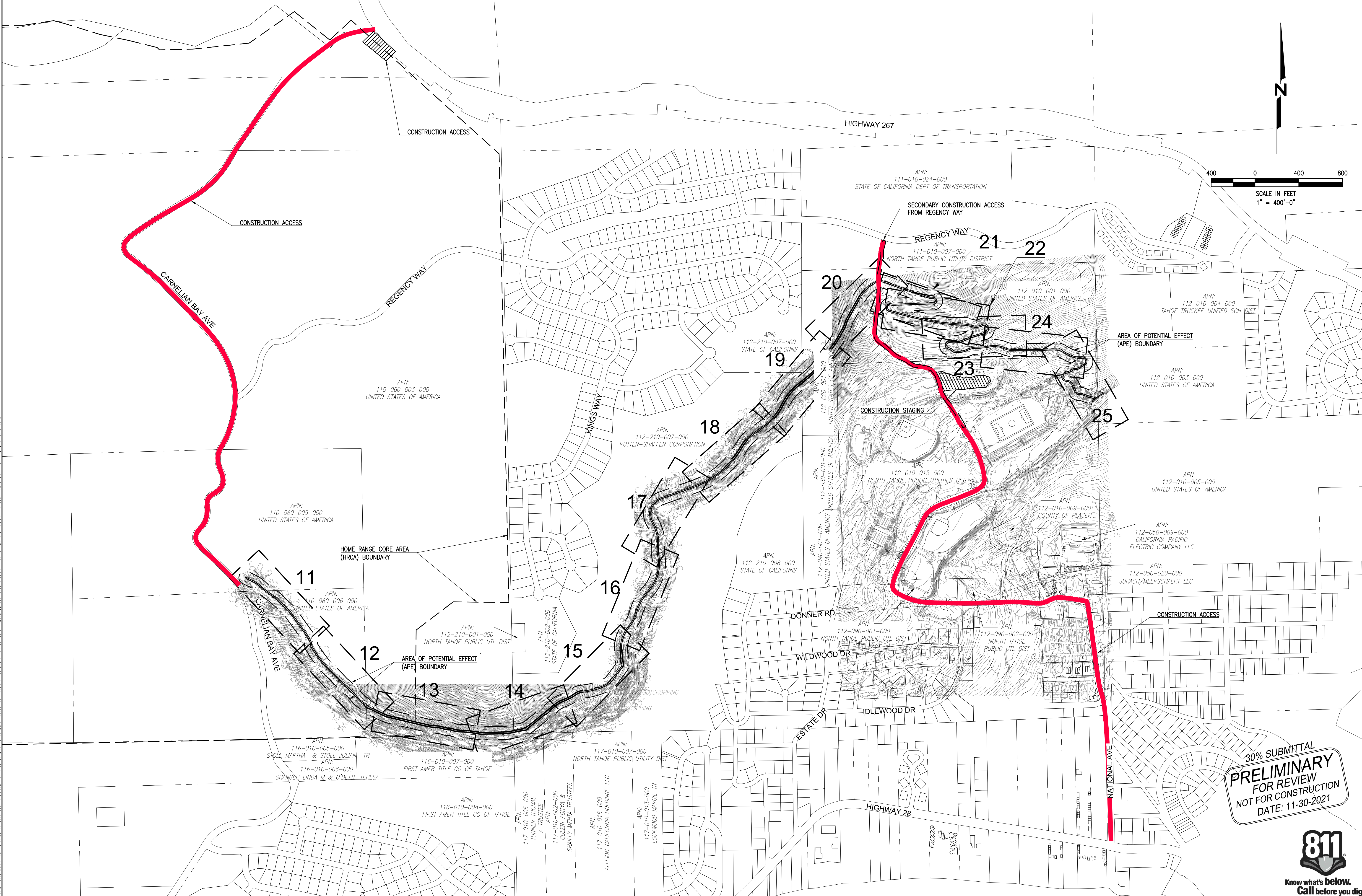
P.O. BOX 336
7717 NORTH LAKE BOULEVARD (SR 28)
KINGS BEACH, CA 96143
(530) 581-6288

COUNTY OF PLACER
DEPARTMENT OF PUBLIC WORKS
TAHOE ENGINEERING DIVISION



PROJECT NO. #
SHEET NO. 2 OF 29
Know what's below. Call before you dig.

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30% SUBMITTAL
PRELIMINARY
FOR REVIEW
NOT FOR CONSTRUCTION
DATE: 11-30-2021



REVISION #	DESCRIPTION AND SHEET NO.	APPROVED BY:	DATE:

DESIGNED BY:	KH
DATE:	11-30-21
DRAWN BY:	KH
DATE:	11-30-21
CHECKED BY:	FH
DATE:	11-15-21



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(530) 581-6238

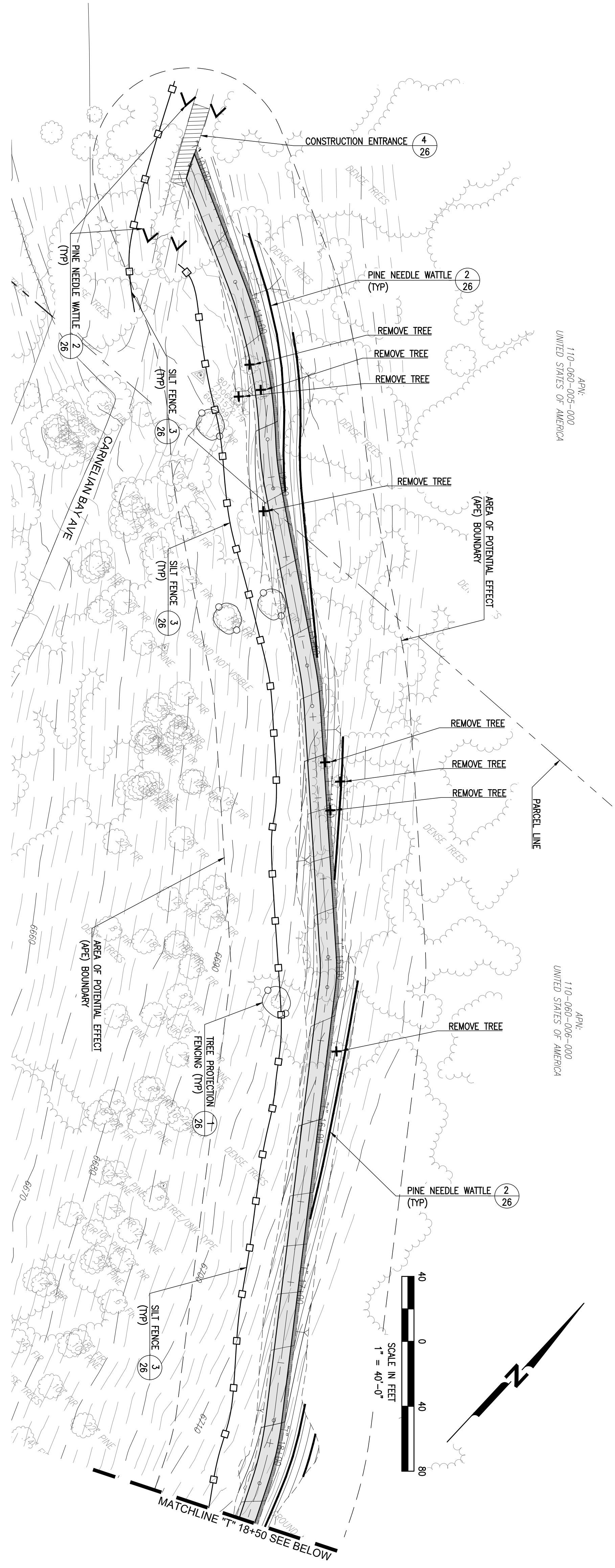
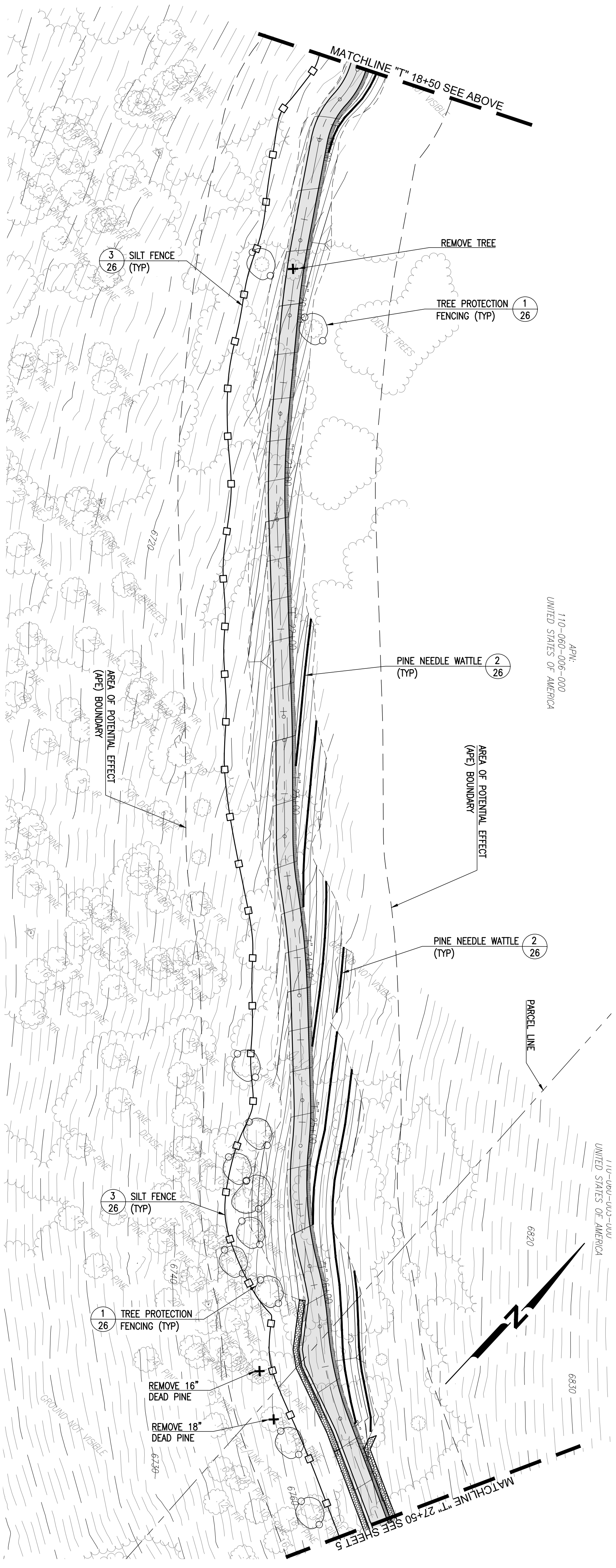
COUNTY OF PLACER
DEPARTMENT OF PUBLIC WORKS
TAHOE ENGINEERING DIVISION



PROJECT NO.
#

SHEET NO.
3 OF 29

NORTH TAHOE SHARED USE TRAIL
KEY MAP & CONSTRUCTION ACCESS PLAN



APR
110-060-006-000
UNITED STATES OF AMERICA

APR
110-060-006-000
UNITED STATES OF AMERICA

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DATE: 11-30-2021



SHEET NO.
4 OF 29

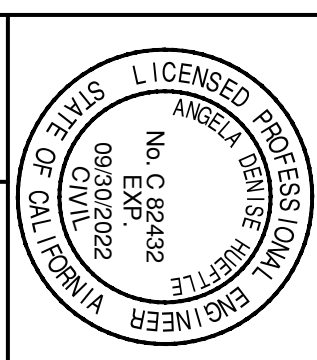
PROJECT NO.
#

COUNTY OF PLACER
DEPARTMENT OF PUBLIC WORKS
TAHOE ENGINEERING DIVISION

P.O. BOX 336
7717 NORTH LAKE BOULEVARD (SR 28)
KINGS BEACH, CA 96143
(530) 581-6238

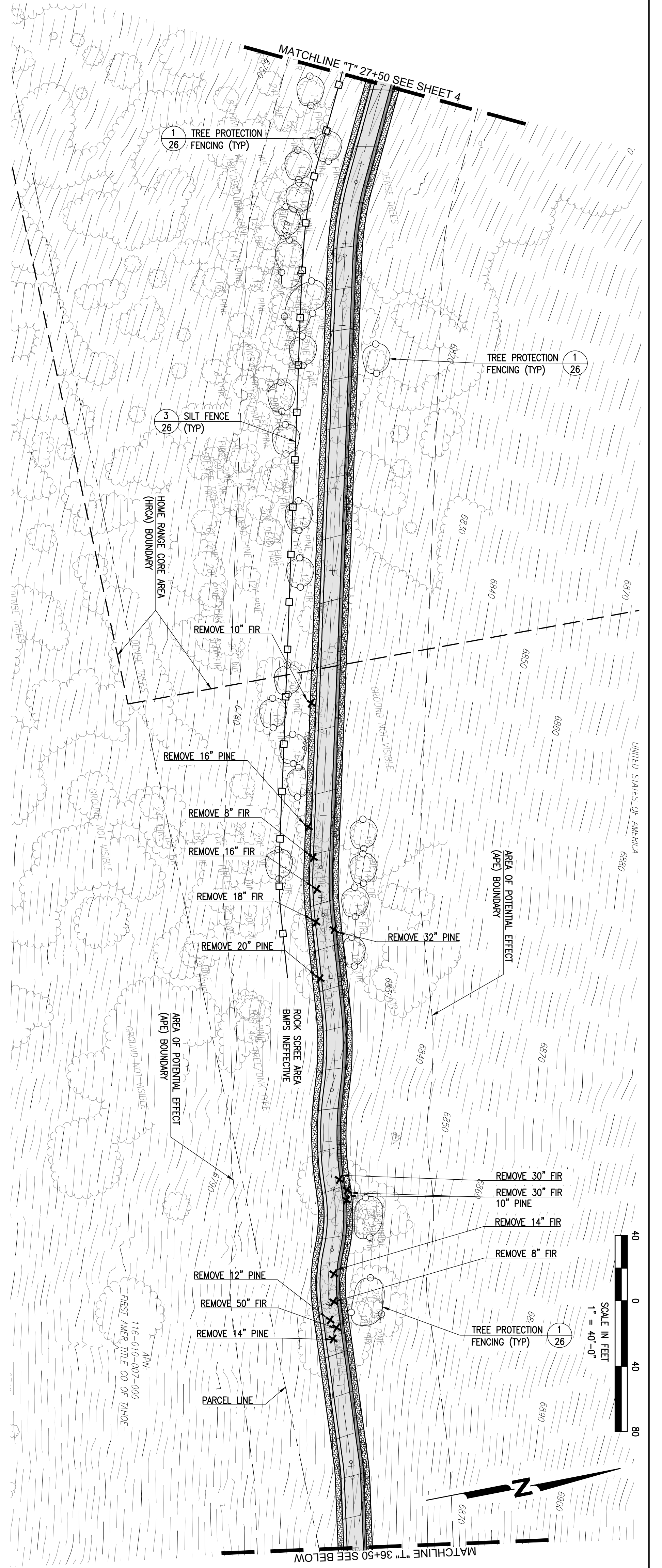
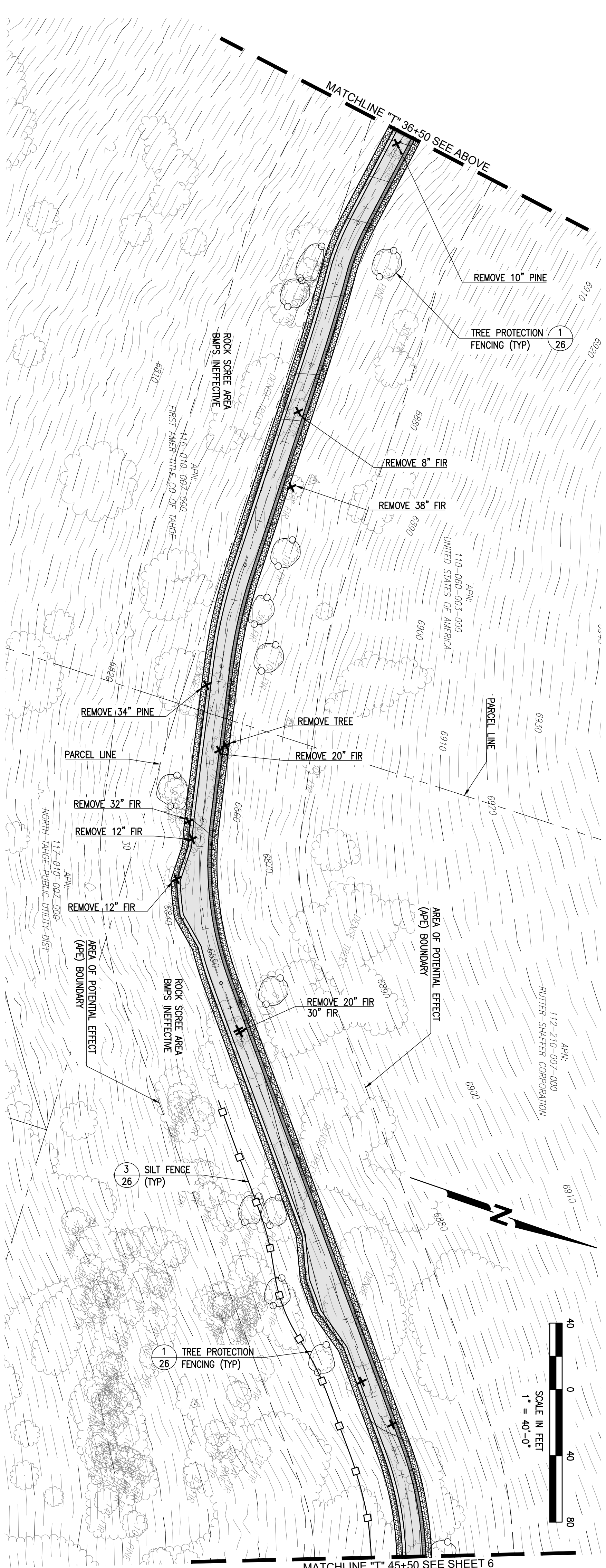
NORTH TAHOE SHARED USE TRAIL

BMP PLAN "T" 10+00 TO "T" 27+50



DESIGNED BY: KH
DATE: 11-30-21
DRAWN BY: KH
DATE: 11-30-21
CHECKED BY: FH
DATE: 11-15-21

REVISION #	DESCRIPTION AND SHEET NO.:	APPROVED BY:	DATE:



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PRELIMINARY
 FOR REVIEW
 NOT FOR CONSTRUCTION
 DATE: 11-30-2021



SHEET NO.
5
 OF **29**

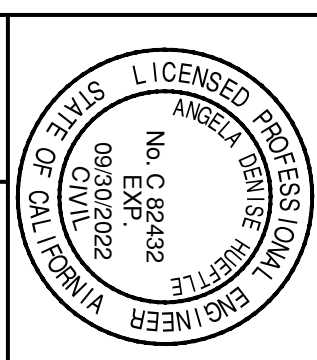
PROJECT NO.
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COUNTY OF PLACER
 DEPARTMENT OF PUBLIC WORKS
 TAHOE ENGINEERING DIVISION

P.O. BOX 336
 7717 NORTH LAKE BOULEVARD (SR 28)
 KINGS BEACH, CA 96143
 (530) 581-6238

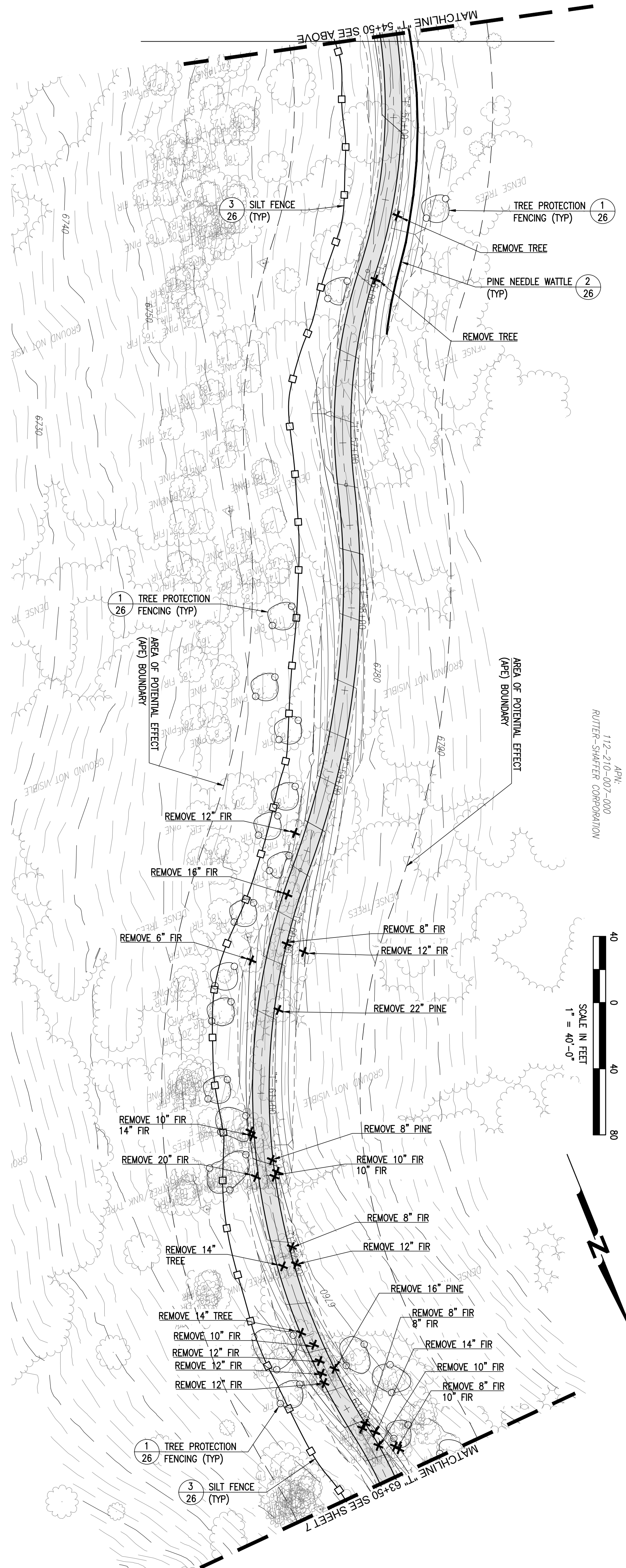
NORTH TAHOE SHARED USE TRAIL

BMP PLAN "T" 27+50 TO "T" 45+50

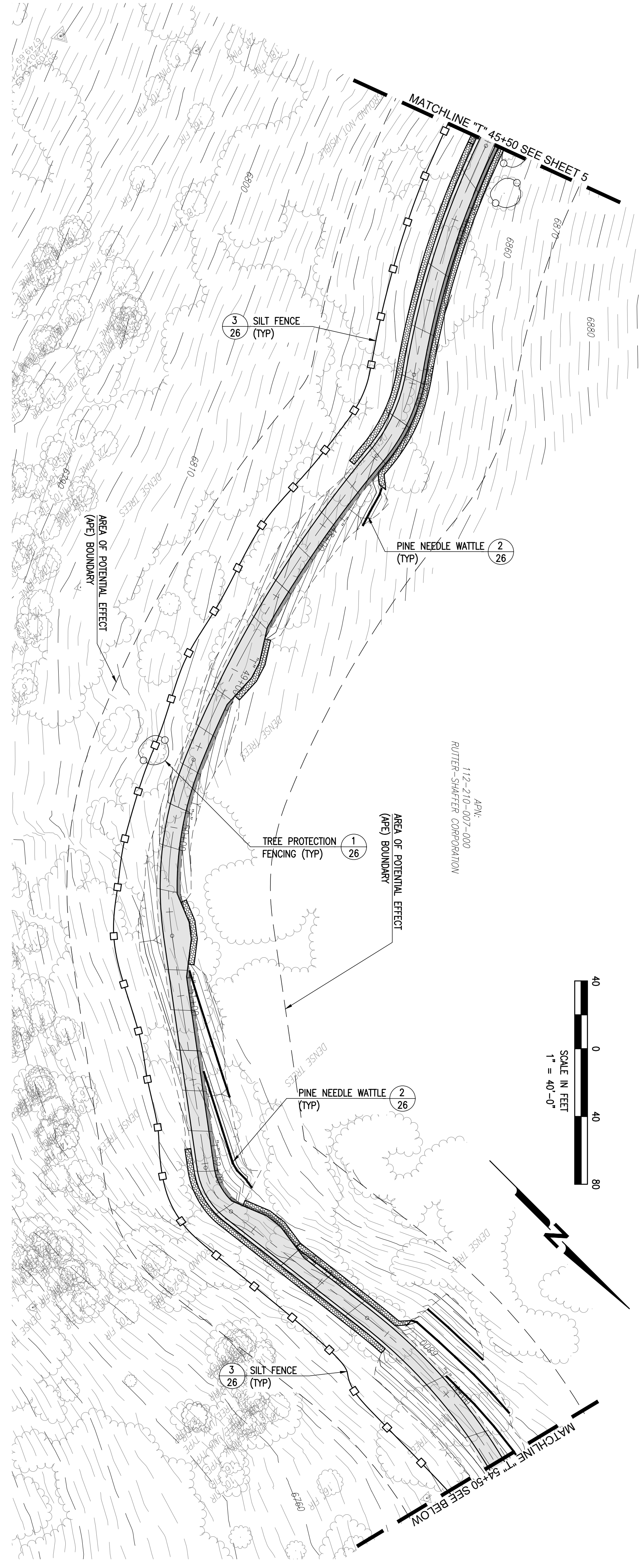
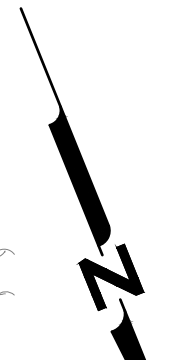
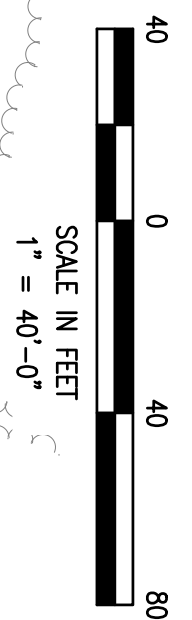


DESIGNED BY: KH
 DATE: 11-30-21
 DRAWN BY: KH
 DATE: 11-30-21
 CHECKED BY: FH
 DATE: 11-15-21

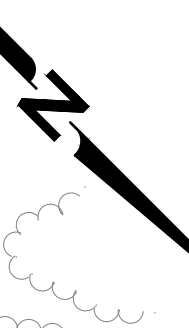
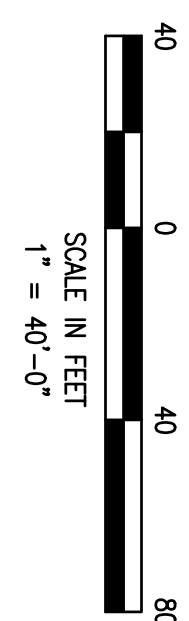
REVISION #	DESCRIPTION AND SHEET NO.:	APPROVED BY:	DATE:



APN: 112-210-007-000
RUTTER-SHAFFER CORPORATION



APN: 112-210-007-000
RUTTER-SHAFFER CORPORATION



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DATE: 11-30-2021



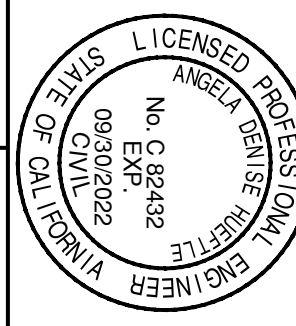
COUNTY OF Placer
PROJECT NO. #

COUNTY OF PLACER
DEPARTMENT OF PUBLIC WORKS
TAHOE ENGINEERING DIVISION

P.O. BOX 336
7717 NORTH LAKE BOULEVARD (SR 28)
KINGS BEACH, CA 96143
(530) 581-6238

NORTH TAHOE SHARED USE TRAIL

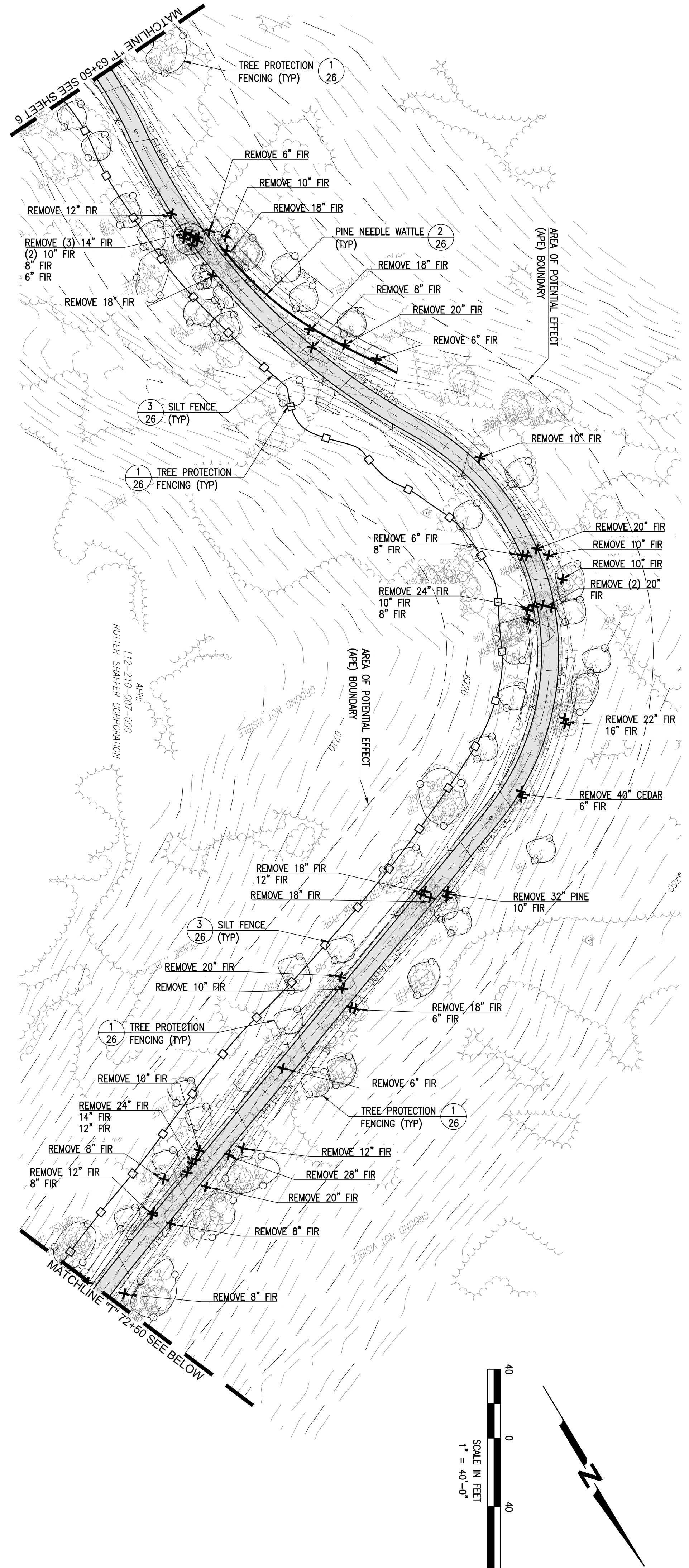
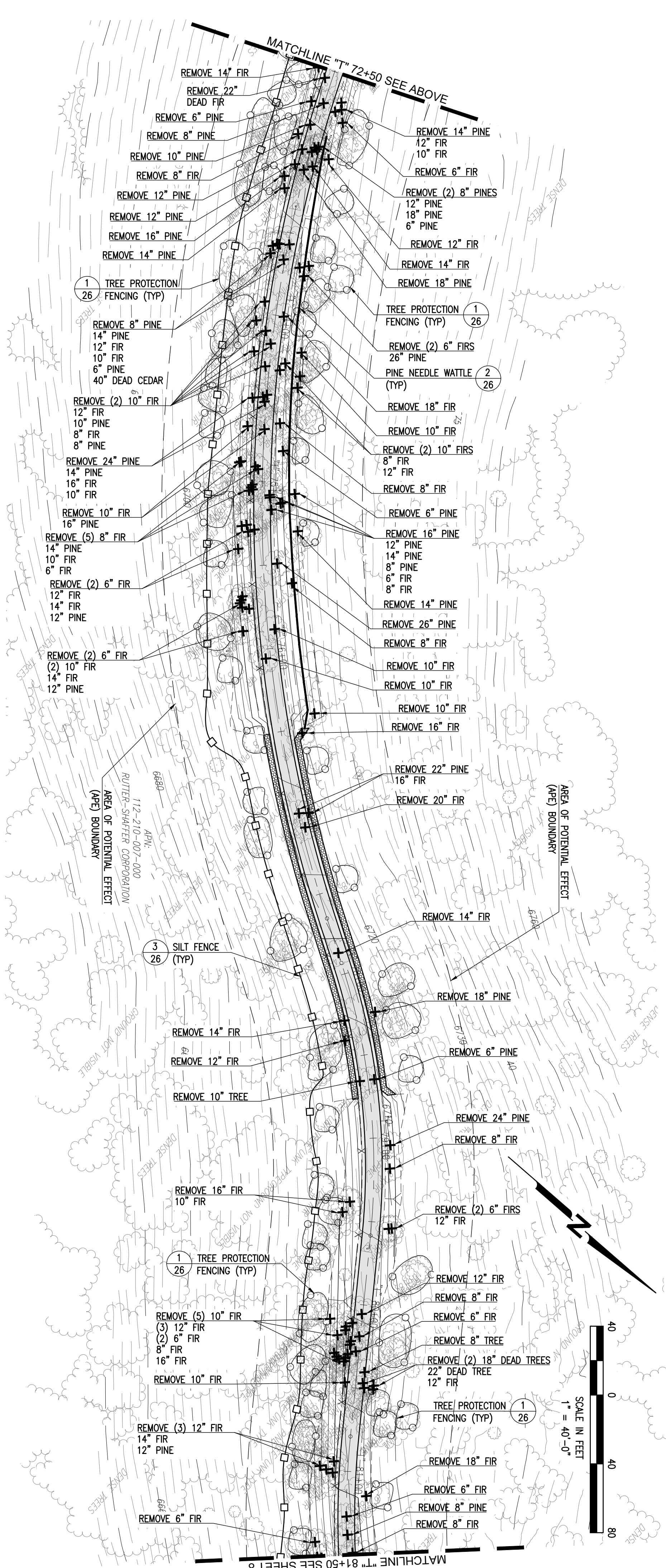
BMP PLAN "T" 45+50 TO "T" 63+50



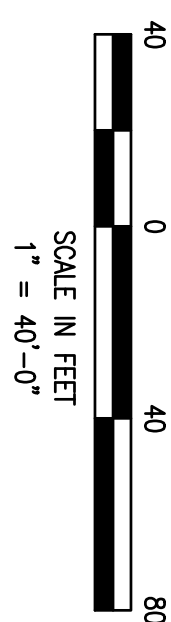
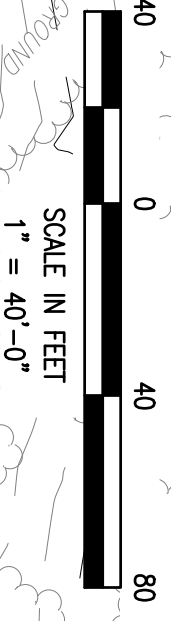
DESIGNED BY: KH
DATE: 11-30-21
DRAWN BY: KH
DATE: 11-30-21
CHECKED BY: FH
DATE: 11-15-21

REVISION #	DESCRIPTION AND SHEET NO.:	APPROVED BY:	DATE:

SHEET NO. 6 OF 29



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PRELIMINARY
 FOR REVIEW
 NOT FOR CONSTRUCTION
 DATE: 11-30-2021



SHEET NO.
7
 OF **29**

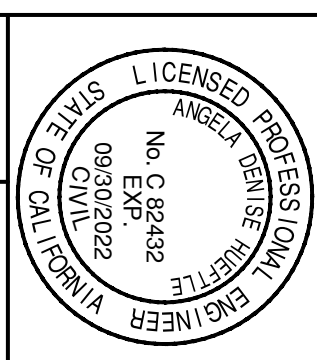
PROJECT NO.
#

COUNTY OF **Placer**
 COUNTY OF PLACER
 DEPARTMENT OF PUBLIC WORKS
 TAHOE ENGINEERING DIVISION

P.O. BOX 336
 7717 NORTH LAKE BOULEVARD (SR 28)
 KINGS BEACH, CA 96143
 (530) 581-6238

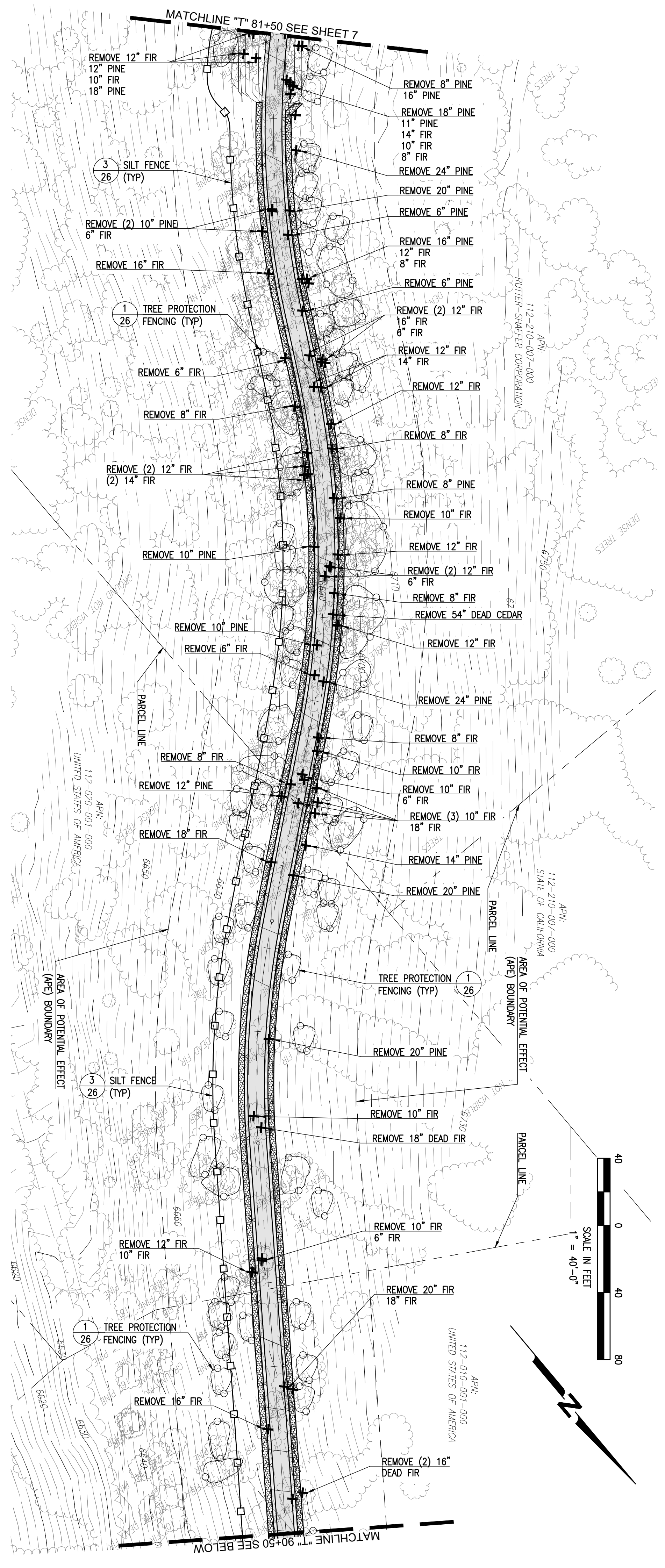
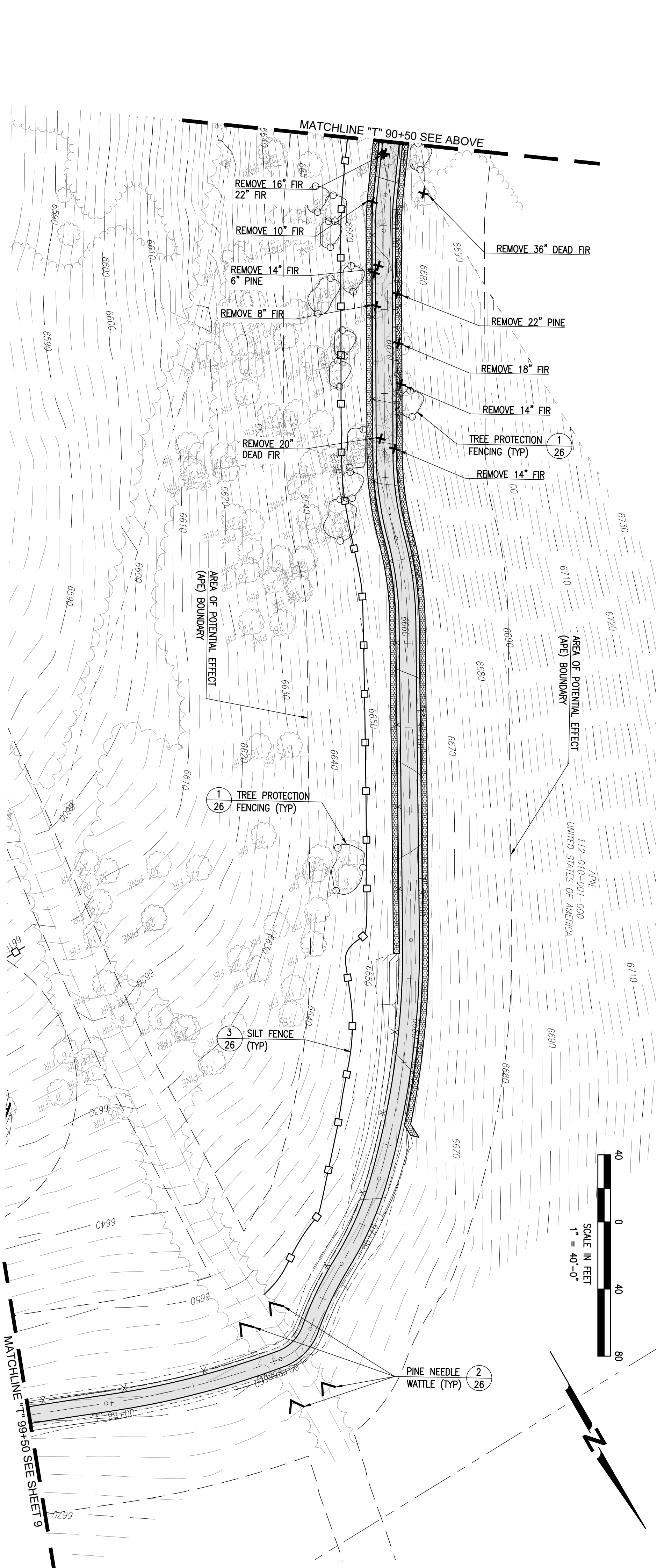
NORTH TAHOE SHARED USE TRAIL

BMP PLAN "T" 63+50 TO "T" 81+50



DESIGNED BY: KH
 DATE: 11-30-21
 DRAWN BY: KH
 DATE: 11-30-21
 CHECKED BY: FH
 DATE: 11-15-21

REVISION #	DESCRIPTION AND SHEET NO.:	APPROVED BY:	DATE:



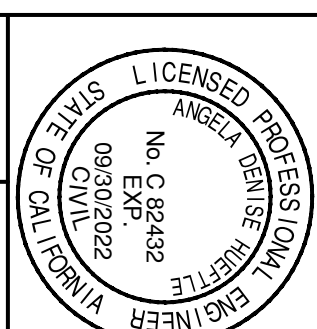
30% SUBMITTAL
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COUNTY OF PLACER
 DEPARTMENT OF PUBLIC WORKS
 TAHOE ENGINEERING DIVISION

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 (530) 581-6238

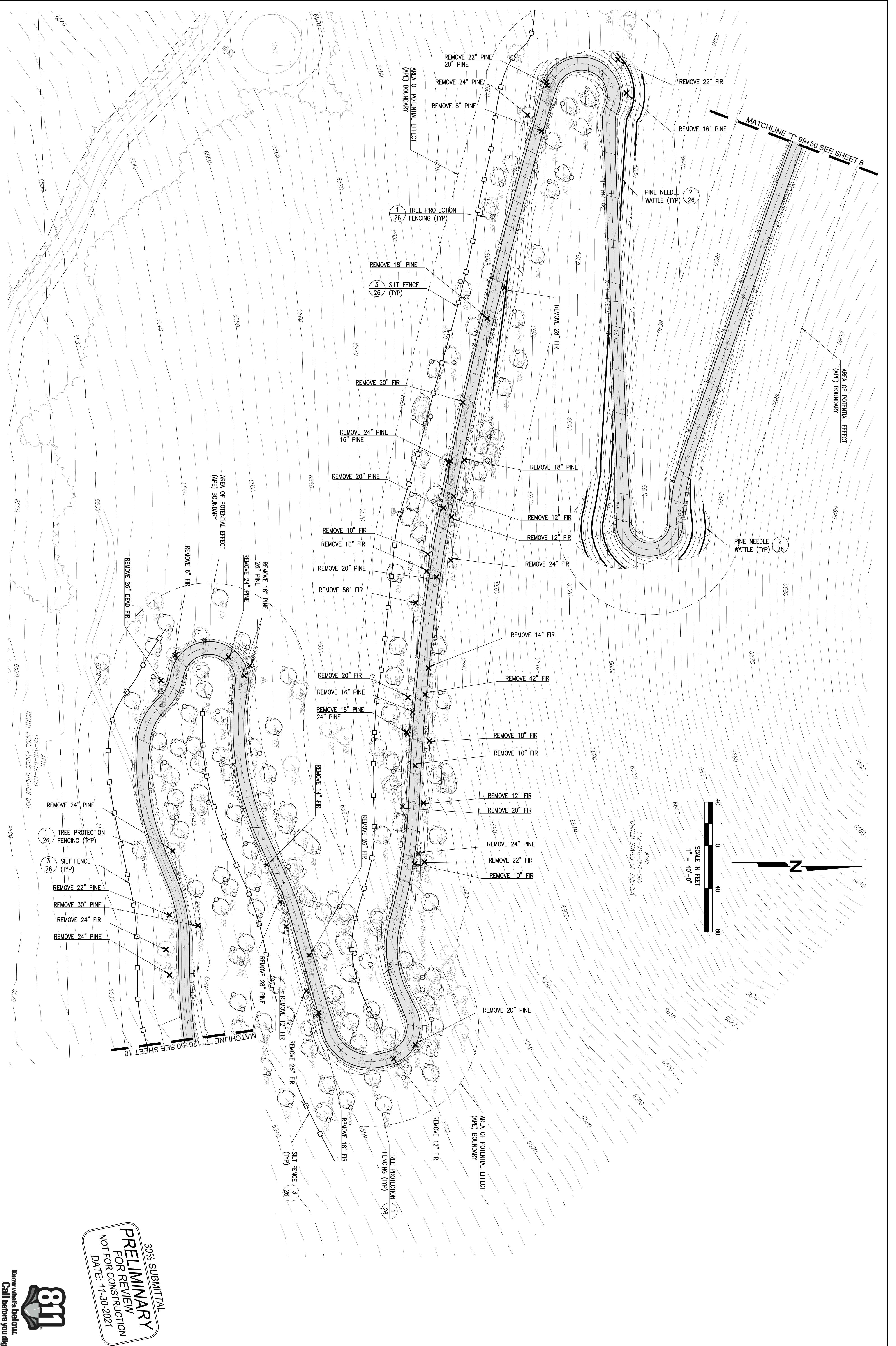
NORTH TAHOE SHARED USE TRAIL
 BMP PLAN "T" 81+50 TO "T" 99+50



DESIGNED BY: KH
 DATE: 11-30-21
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 DATE: 11-30-21
 CHECKED BY: FH
 DATE: 11-15-21

REVISION #	DESCRIPTION AND SHEET NO.:	APPROVED BY:	DATE:

SHEET NO.
8
 OF **29**



112-010-015-000
NORTH TAHOE PUBLIC UTILITIES DIST
APN

1 TREE PROTECTION FENCING (TYP) 26

3 SILT FENCE (TYP) 26

REMOVE 22" PINE
REMOVE 30" PINE
REMOVE 24" FIR
REMOVE 24" PINE

REMOVE 24" PINE
REMOVE 28" PINE
REMOVE 12" FIR
REMOVE 26" FIR

REMOVE 14" FIR
REMOVE 26" FIR
REMOVE 18" FIR
REMOVE 12" FIR

REMOVE 20" PINE
REMOVE 28" FIR
REMOVE 18" FIR
REMOVE 12" FIR

REMOVE 20" PINE
REMOVE 16" PINE
REMOVE 18" PINE
REMOVE 24" PINE

REMOVE 10" FIR
REMOVE 10" FIR
REMOVE 20" PINE
REMOVE 56" FIR

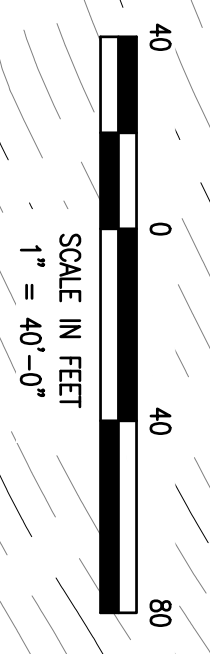
REMOVE 24" PINE
REMOVE 20" PINE
REMOVE 24" PINE
REMOVE 18" PINE

REMOVE 18" PINE
REMOVE 28" FIR
REMOVE 28" FIR
REMOVE 28" FIR

REMOVE 22" PINE
REMOVE 20" PINE
REMOVE 24" PINE
REMOVE 8" PINE

REMOVE 22" FIR
REMOVE 16" PINE
REMOVE 22" FIR
REMOVE 12" FIR

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PRELIMINARY
FOR REVIEW
NOT FOR CONSTRUCTION
DATE: 11-30-2021



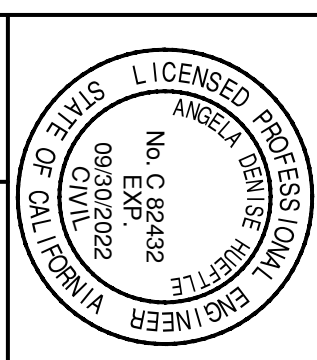
PROJECT NO. #

COUNTY OF Placer
DEPARTMENT OF PUBLIC WORKS
TAHOE ENGINEERING DIVISION

P.O. BOX 336
7717 NORTH LAKE BOULEVARD (SR 28)
KINGS BEACH, CA 96143
(530) 581-6238

NORTH TAHOE SHARED USE TRAIL

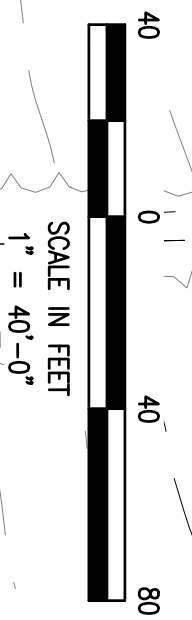
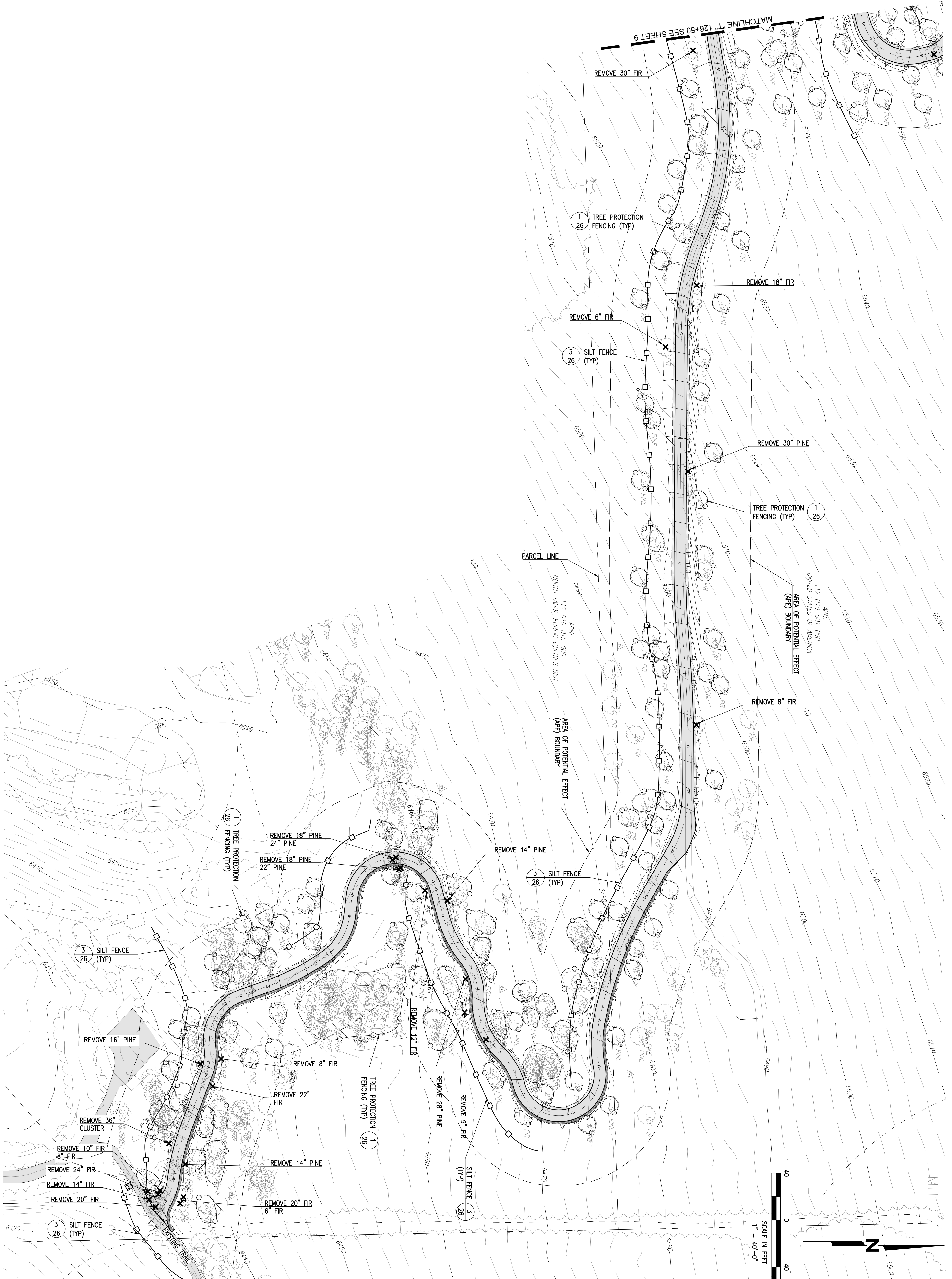
BMP PLAN "T" 99+50 TO "T" 126+50



DESIGNED BY: KH
DATE: 11-30-21
DRAWN BY: KH
DATE: 11-30-21
CHECKED BY: FH
DATE: 11-15-21

REVISION #	DESCRIPTION AND SHEET NO.:	APPROVED BY:	DATE:

SHEET NO. 9 OF 29



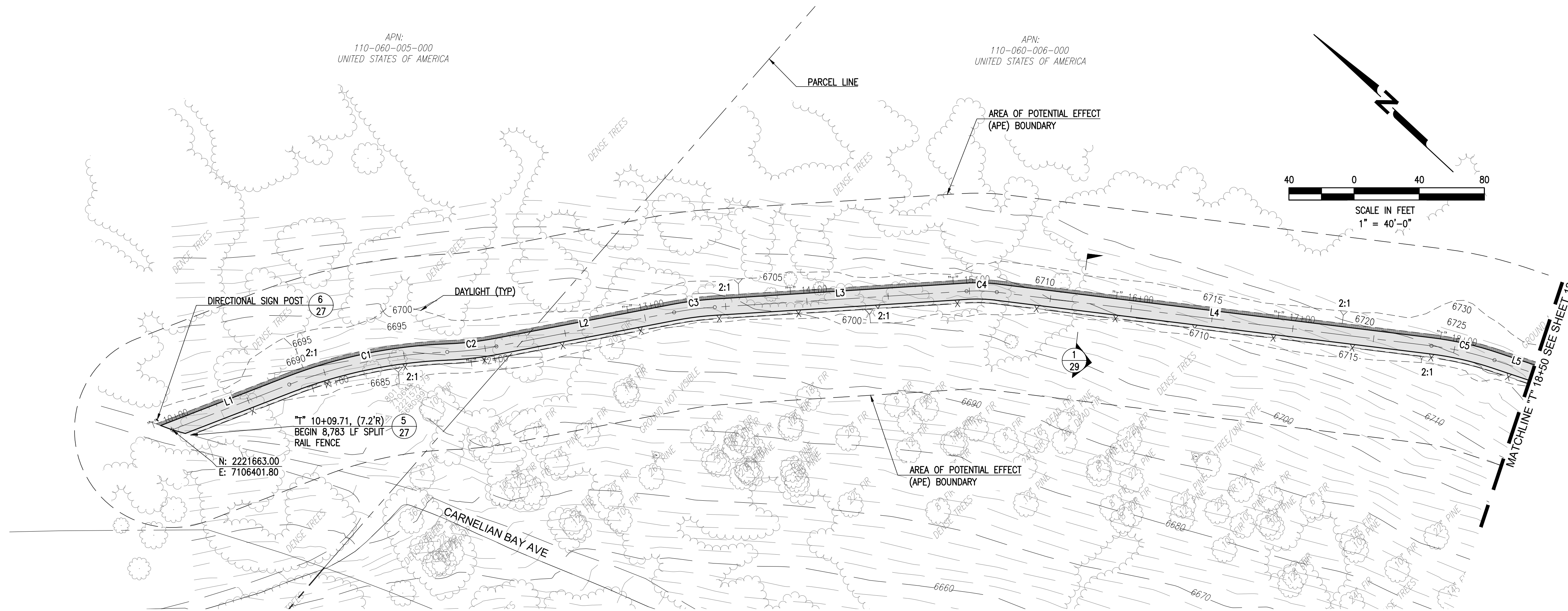
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PRELIMINARY
FOR REVIEW
NOT FOR CONSTRUCTION
 DATE: 11-30-2021



SHEET NO. 10 OF 29	PROJECT NO. #	COUNTY OF Placer COUNTY OF PLACER DEPARTMENT OF PUBLIC WORKS TAHOE ENGINEERING DIVISION	P.O. BOX 336 7717 NORTH LAKE BOULEVARD (SR 28) KINGS BEACH, CA 96143 (530) 581-6238		DESIGNED BY: KH	REVISION #	DESCRIPTION AND SHEET NO.:	APPROVED BY:	DATE:
					DATE: 11-30-21 DRAWN BY: KH DATE: 11-30-21 CHECKED BY: FH DATE: 11-15-21				

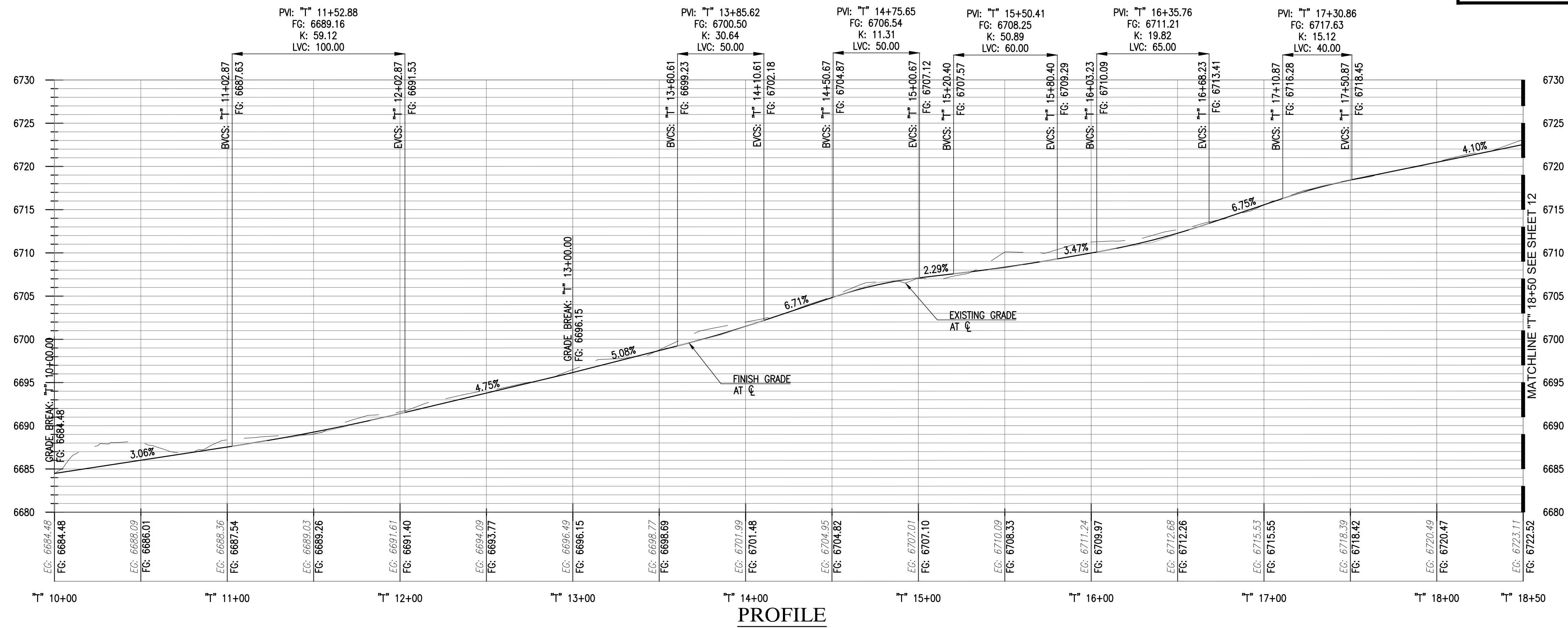
NORTH TAHOE SHARED USE TRAIL
 BMP PLAN "T" 126+50 TO "T" 143+00

THE COUNTY OF PLACER OR ITS OFFICERS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.



PLAN

SCALE:
HORIZONTAL: 1" = 40'
VERTICAL: 1" = 8'



PROFILE

T			
NUMBER	RADIUS	LENGTH	LINE/CHORD DIRECTION
L1		77.08	S64° 03' 24.93"E
C1	300.00	99.49	S54° 33' 21.31"E
C2	200.00	30.43	S49° 24' 50.69"E
L2		111.10	S53° 46' 23.69"E
C3	200.00	25.23	S50° 09' 33.33"E
L3		154.90	S46° 32' 42.97"E
C4	100.00	18.62	S41° 12' 44.11"E
L4		268.92	S35° 52' 45.24"E
C5	200.00	39.76	S30° 11' 04.58"E
L5		26.16	S24° 29' 23.92"E

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PRELIMINARY
FOR REVIEW
NOT FOR CONSTRUCTION
DATE: 11-30-2021



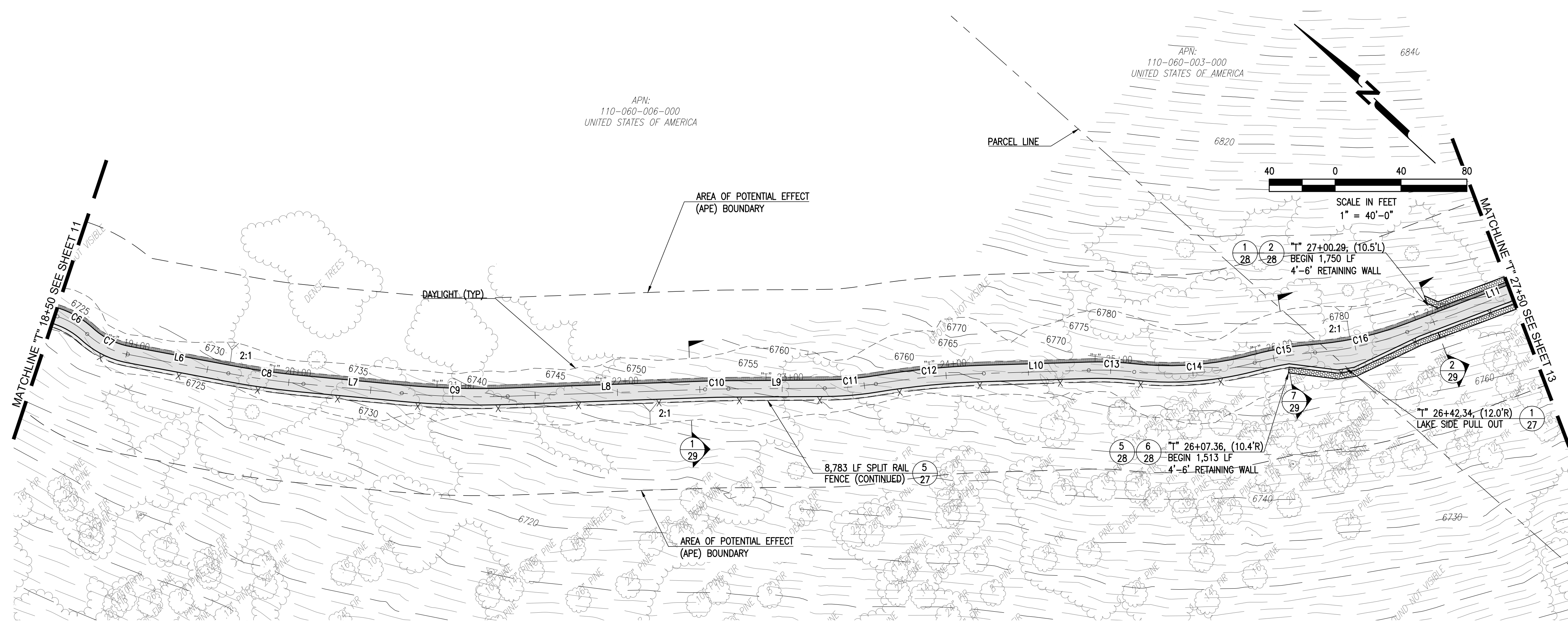
APN: 110-060-005-000 UNITED STATES OF AMERICA	APN: 110-060-006-000 UNITED STATES OF AMERICA
DESIGNED BY: KH	CHECKED BY: FH
DATE: 11-30-21	DATE: 11-30-21
DRAWN BY: KH	DATE: 11-15-21

COUNTY OF PLACER
 DEPARTMENT OF PUBLIC WORKS
 TAHOE ENGINEERING DIVISION
 P.O. BOX 336
 7717 NORTH LAKE BOULEVARD (SR 28)
 KINGS BEACH, CA 96143
 (530) 581-6238

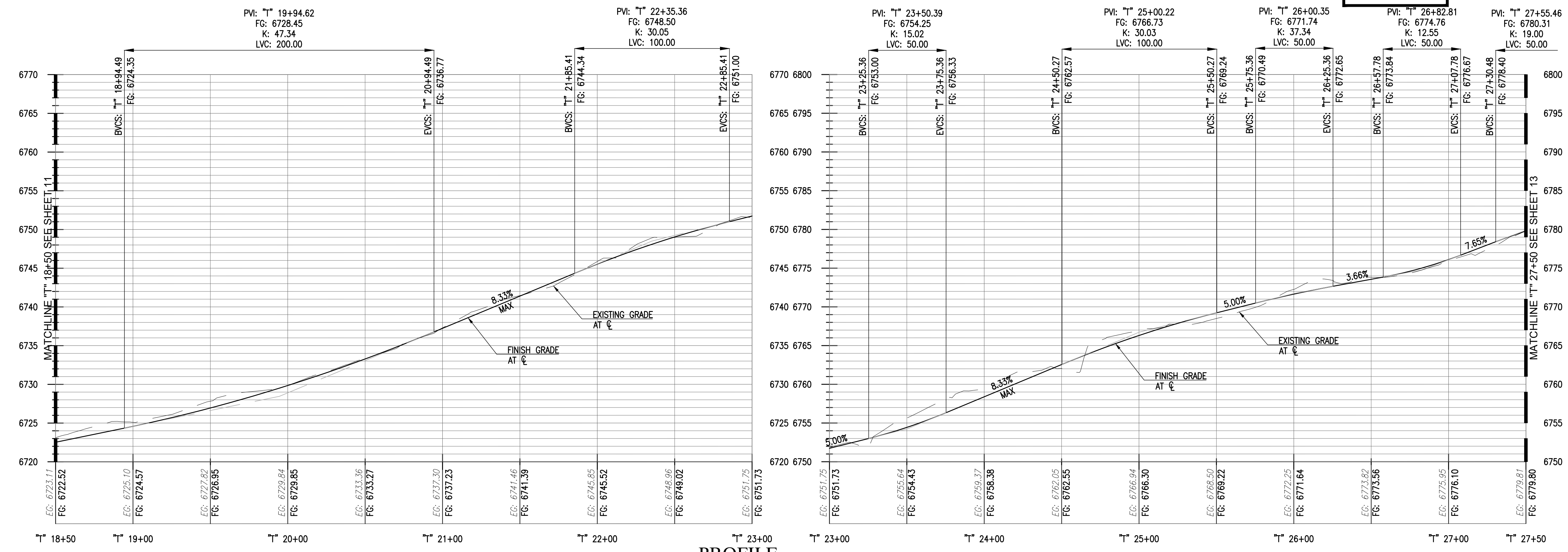
NORTH TAHOE SHARED USE TRAIL
 PLAN AND PROFILE "T" 10+00 TO "T" 18+50

PROJECT NO. #
 SHEET NO. 11 OF 29

THE COUNTY OF PLACER OR ITS OFFICERS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.



PLAN



PROFILE

SCALE:
HORIZONTAL: 1" = 40'
VERTICAL: 1" = 8'

T			
NUMBER	RADIUS	LENGTH	LINE/CHORD DIRECTION
C6	50.00	21.17	S12° 21' 35.35"E
C7	50.00	27.96	S16° 15' 00.59"E
L6		62.07	S32° 16' 14.40"E
L7		59.97	S37° 33' 02.44"E
C9	500.00	64.37	S41° 14' 19.84"E
L8		119.88	S44° 55' 37.24"E
C10	500.00	14.17	S43° 06' 55.23"E
L9		58.49	S43° 18' 13.22"E
C11	200.00	31.18	S47° 46' 11.94"E
C12	500.00	65.91	S48° 27' 35.47"E
L10		63.70	S44° 41' 00.27"E
C13	200.00	27.67	S40° 43' 12.38"E
C14	200.00	73.76	S47° 19' 20.02"E
C15	200.00	37.23	S52° 33' 14.93"E
C16	200.00	57.50	S55° 27' 23.54"E
L11		128.70	S63° 41' 32.78"E

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PRELIMINARY
FOR REVIEW
NOT FOR CONSTRUCTION
DATE: 11-30-2021



DESIGNED BY: KH DATE: 11-30-21 DRAWN BY: KH DATE: 11-30-21 CHECKED BY: FH DATE: 11-15-21	APPROVED BY: _____ DATE: _____	REVISION # _____ DESCRIPTION AND SHEET NO.: _____	PROJECT NO. _____ SHEET NO. 12 OF 29	<p>NORTH TAHOE SHARED USE TRAIL PLAN AND PROFILE "T" 18+50 TO "T" 27+50</p>
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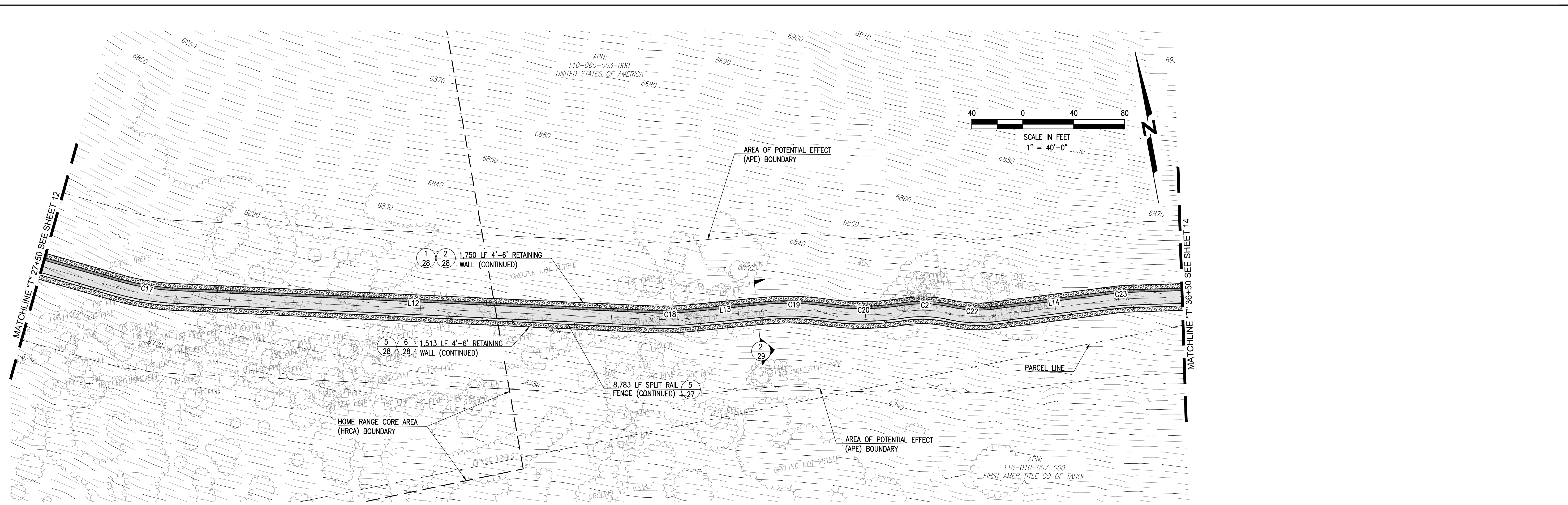
P.O. BOX 336
7717 NORTH LAKE BOULEVARD (SR 28)
KINGS BEACH, CA 96143
(530) 581-6238

COUNTY OF PLACER
DEPARTMENT OF PUBLIC WORKS
TAHOE ENGINEERING DIVISION

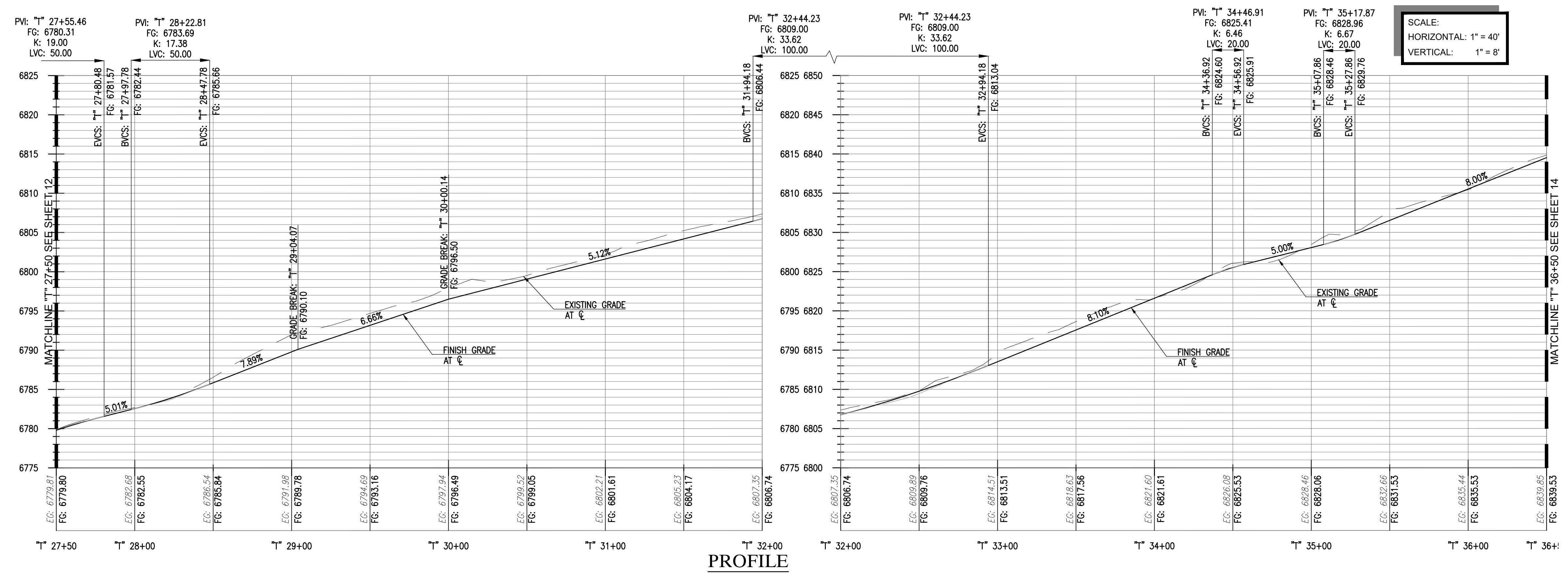
COUNTY OF **Placer**

LICENSED PROFESSIONAL ENGINEER
ANGELA DENISE HUETTE
No. C 82432
EXP. 09/30/2022
CIVIL
STATE OF CALIFORNIA

THE COUNTY OF PLACER OR ITS OFFICERS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.



PLAN



PROFILE

SCALE:
HORIZONTAL: 1" = 40'
VERTICAL: 1" = 8'

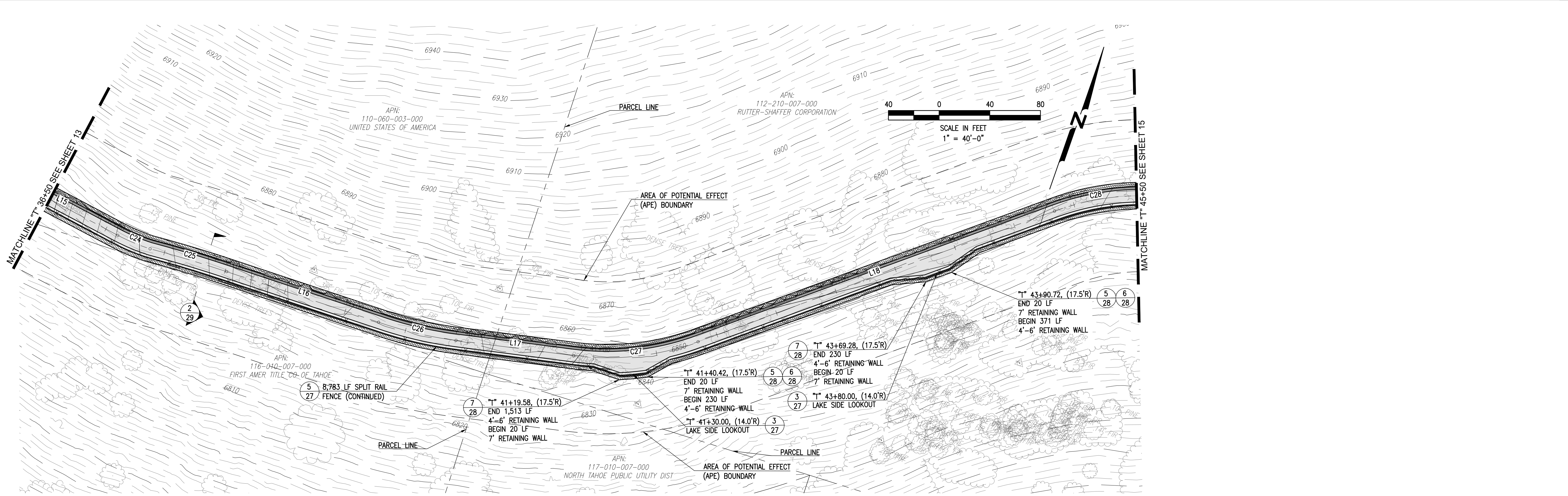
T			
NUMBER	RADIUS	LENGTH	LINE/CHORD DIRECTION
C17	200.00	45.72	S70° 14' 26.32"E
L12		374.30	S76° 47' 19.86"E
C18	200.00	29.35	S80° 59' 32.59"E
L13		58.16	S85° 11' 45.33"E
C19	200.00	49.16	S78° 09' 16.25"E
C20	200.00	60.67	S79° 48' 12.13"E
C21	100.00	37.81	S77° 39' 37.97"E
C22	100.00	34.92	S76° 49' 52.55"E
L14		95.79	S86° 50' 06.24"E
C23	100.00	9.65	S84° 04' 09.56"E
L15		103.55	S81° 18' 12.87"E

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PRELIMINARY
FOR REVIEW
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DATE: 11-30-2021

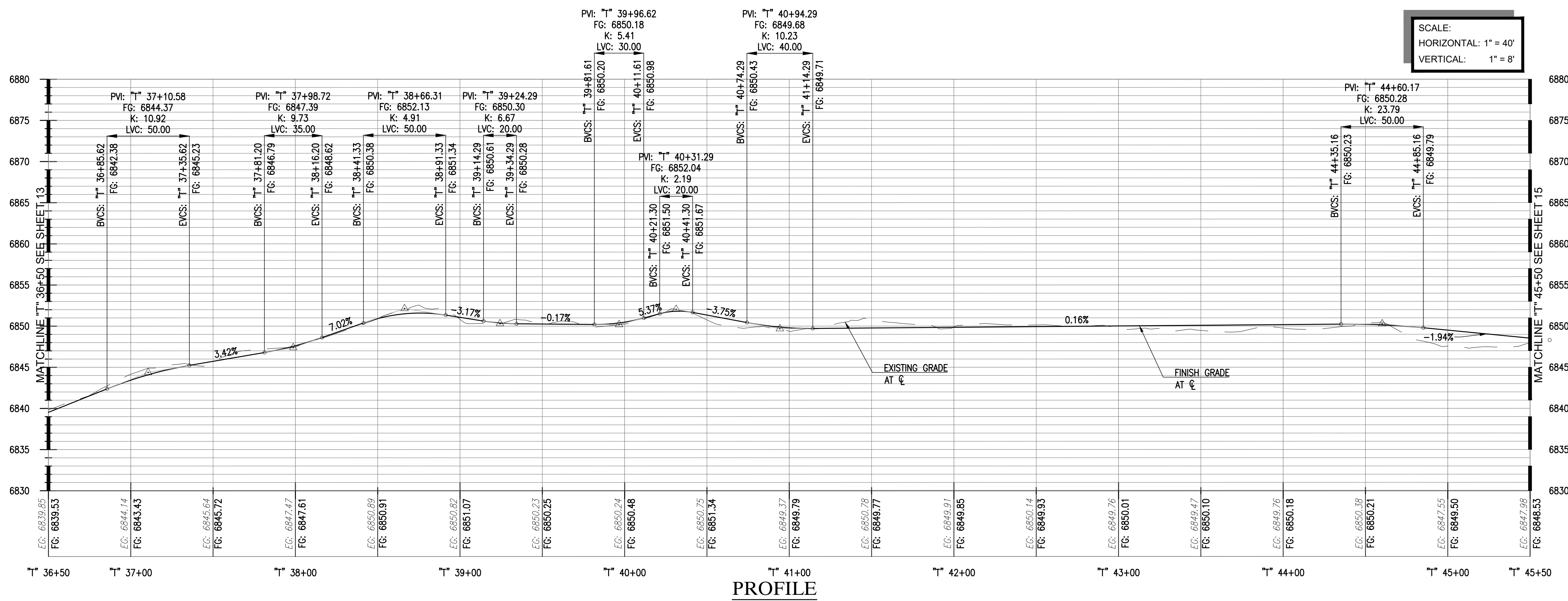


DESIGNED BY: KH DATE: 11-30-21 DRAWN BY: KH DATE: 11-30-21 CHECKED BY: FH DATE: 11-15-21	APPROVED BY: _____ DATE: _____	REVISION # _____ DESCRIPTION AND SHEET NO.: _____	LICENSED PROFESSIONAL ENGINEER ANGELA DENISE HRETTEL No. C 82432 EXP. 09/30/2022 CIVIL STATE OF CALIFORNIA	COUNTY OF PLACER DEPARTMENT OF PUBLIC WORKS TAHOE ENGINEERING DIVISION P.O. BOX 336 7717 NORTH LAKE BOULEVARD (SR 28) KINGS BEACH, CA 96143 (530) 581-6238 NORTH TAHOE SHARED USE TRAIL PLAN AND PROFILE "T" 27+50 TO "T" 36+50	PROJECT NO. _____ SHEET NO. 13 OF 29
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THE COUNTY OF PLACER OR ITS OFFICERS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.



PLAN



PROFILE

SCALE:
HORIZONTAL: 1" = 40'
VERTICAL: 1" = 8'

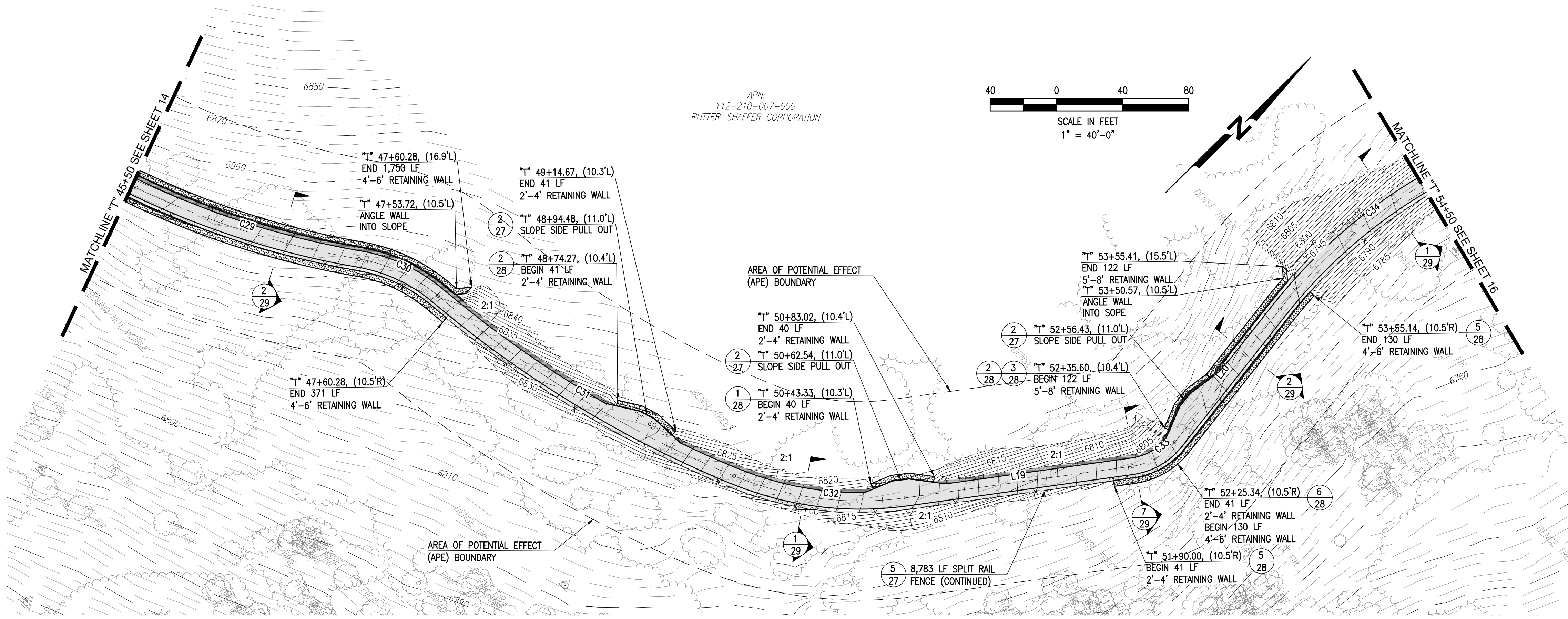
T			
NUMBER	RADIUS	LENGTH	LINE/CHORD DIRECTION
L15		103.55	S81° 18' 12.87"E
C24	154.54	27.69	S86° 26' 13.59"E
C25	1000.00	63.00	N87° 25' 09.90"E
L16		126.49	N89° 13' 27.20"E
C26	308.00	62.92	N84° 01' 53.03"E
L17		93.63	N78° 10' 45.56"E
C27	207.68	99.73	N64° 25' 21.38"E
L18		299.67	N50° 39' 57.21"E
C28	200.00	68.94	N60° 32' 29.25"E

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FOR REVIEW
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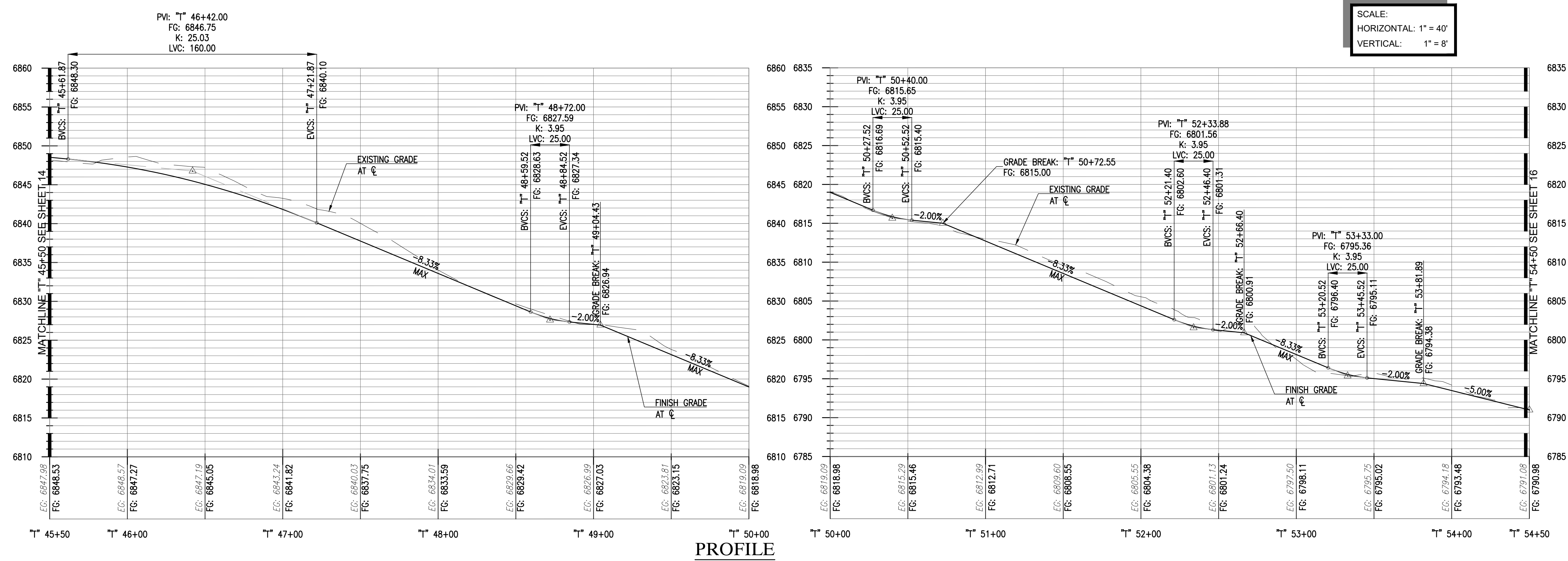


DESIGNED BY: KH DATE: 11-30-21 DRAWN BY: KH DATE: 11-30-21 CHECKED BY: FH DATE: 11-15-21	APN: 110-060-003-000 UNITED STATES OF AMERICA APN: 112-210-007-000 RUTTER-SHAFFER CORPORATION APN: 116-040-007-000 FIRST AMER TITLE CO. OF TAHOE APN: 117-010-007-000 NORTH TAHOE PUBLIC UTILITY DIST	SCALE IN FEET 1" = 40'-0"	MATCHLINE "T" 36+50 SEE SHEET 13 MATCHLINE "T" 45+50 SEE SHEET 15	COUNTY OF PLACER DEPARTMENT OF PUBLIC WORKS TAHOE ENGINEERING DIVISION P.O. BOX 336 7717 NORTH LAKE BOULEVARD (SR 28) KINGS BEACH, CA 96143 (530) 581-6238 NORTH TAHOE SHARED USE TRAIL PLAN AND PROFILE "T" 36+50 TO "T" 45+50	PROJECT NO. # SHEET NO. 14 OF 29
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PLAN



PROFILE

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DATE: 11-30-2021



DESIGNED BY: KH
DATE: 11-30-21

DRAWN BY: KH
DATE: 11-30-21

CHECKED BY: FH
DATE: 11-15-21

APPROVED BY: [Signature]

DESCRIPTION AND SHEET NO.:

REVISION #

APN: 112-210-007-000
RUTER-SHAFFER CORPORATION

APPROVED BY: [Signature]

DATE: 11-30-21

DESIGNED BY: KH
DATE: 11-30-21

DRAWN BY: KH
DATE: 11-30-21

CHECKED BY: FH
DATE: 11-15-21

LICENSED PROFESSIONAL ENGINEER
ANGELA DENISE HUETTE
No. C 82432
EXP. 09/30/2022
CIVIL
STATE OF CALIFORNIA

P.O. BOX 336
7717 NORTH LAKE BOULEVARD (SR 28)
KINGS BEACH, CA 96143
(530) 581-6238

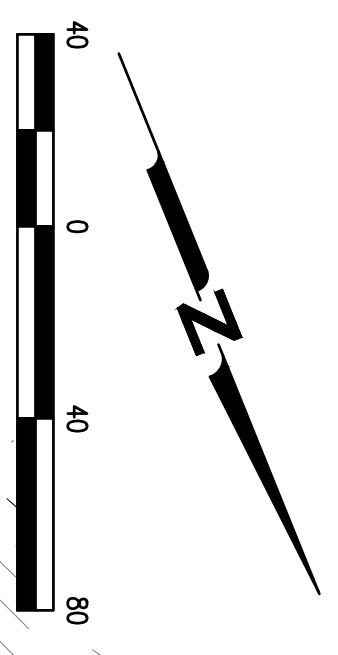
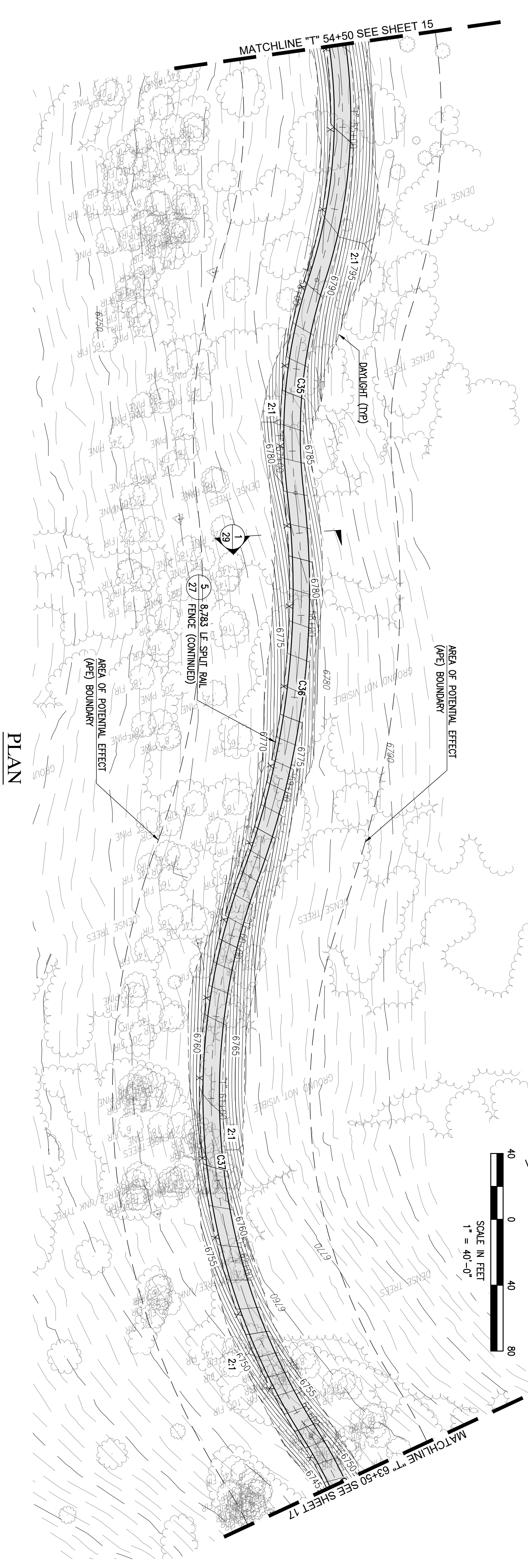
COUNTY OF PLACER
DEPARTMENT OF PUBLIC WORKS
TAHOE ENGINEERING DIVISION

Placer

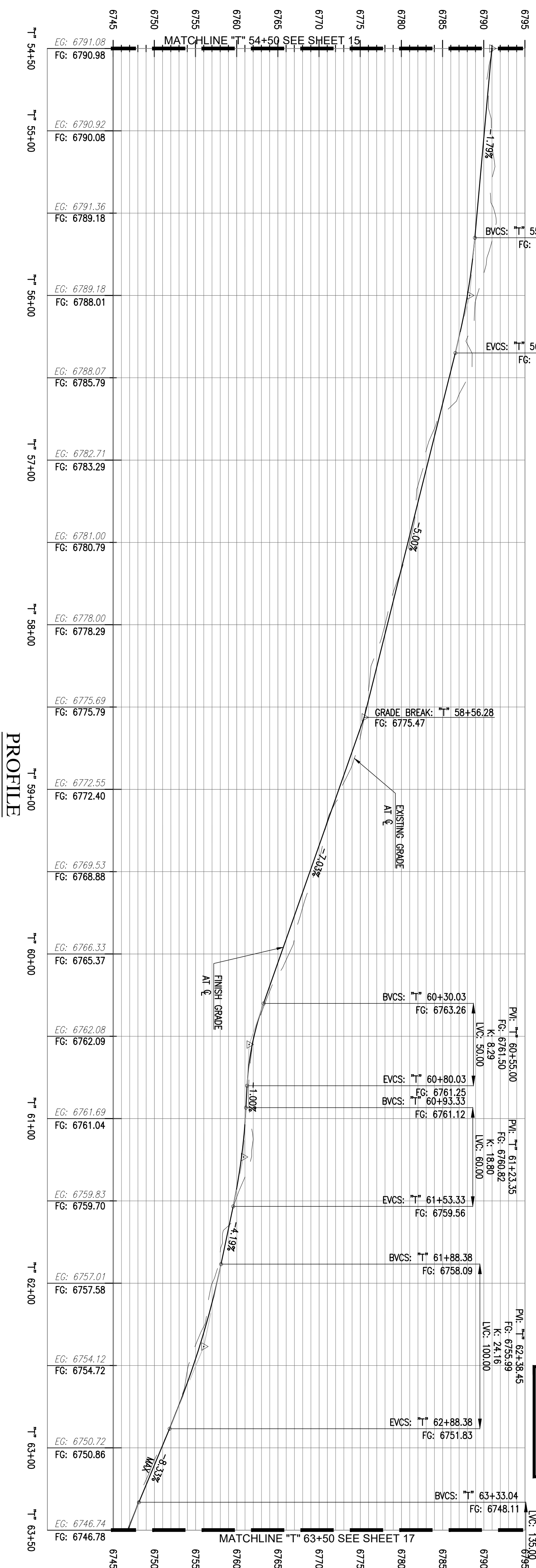
PROJECT NO. #

SHEET NO. 15 OF 29

APN: 112-210-007-000
 RUTTER-SHAFFER CORPORATION



SCALE:
 HORIZONTAL: 1" = 40'
 VERTICAL: 1" = 8'



T			
NUMBER	RADIUS	LENGTH	LINE/OHORD DIRECTION
C35	300.00	131.04	N27° 43' 13.37"E
C36	500.00	236.72	N28° 46' 13.38"E
C37	383.00	354.29	N15° 49' 57.59"E
C38	248.00	72.30	N2° 18' 56.65"W

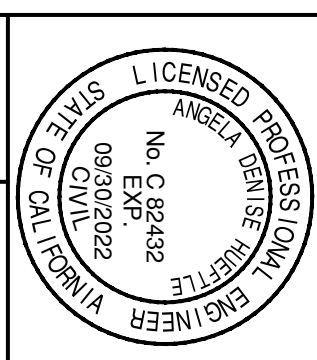
30% SUBMITTAL
PRELIMINARY
 FOR REVIEW
 NOT FOR CONSTRUCTION
 DATE: 11-30-2021



COUNTY OF PLACER
 DEPARTMENT OF PUBLIC WORKS
 TAHOE ENGINEERING DIVISION

P.O. BOX 336
 7717 NORTH LAKE BOULEVARD (SR 28)
 KINGS BEACH, CA 96143
 (530) 581-6238

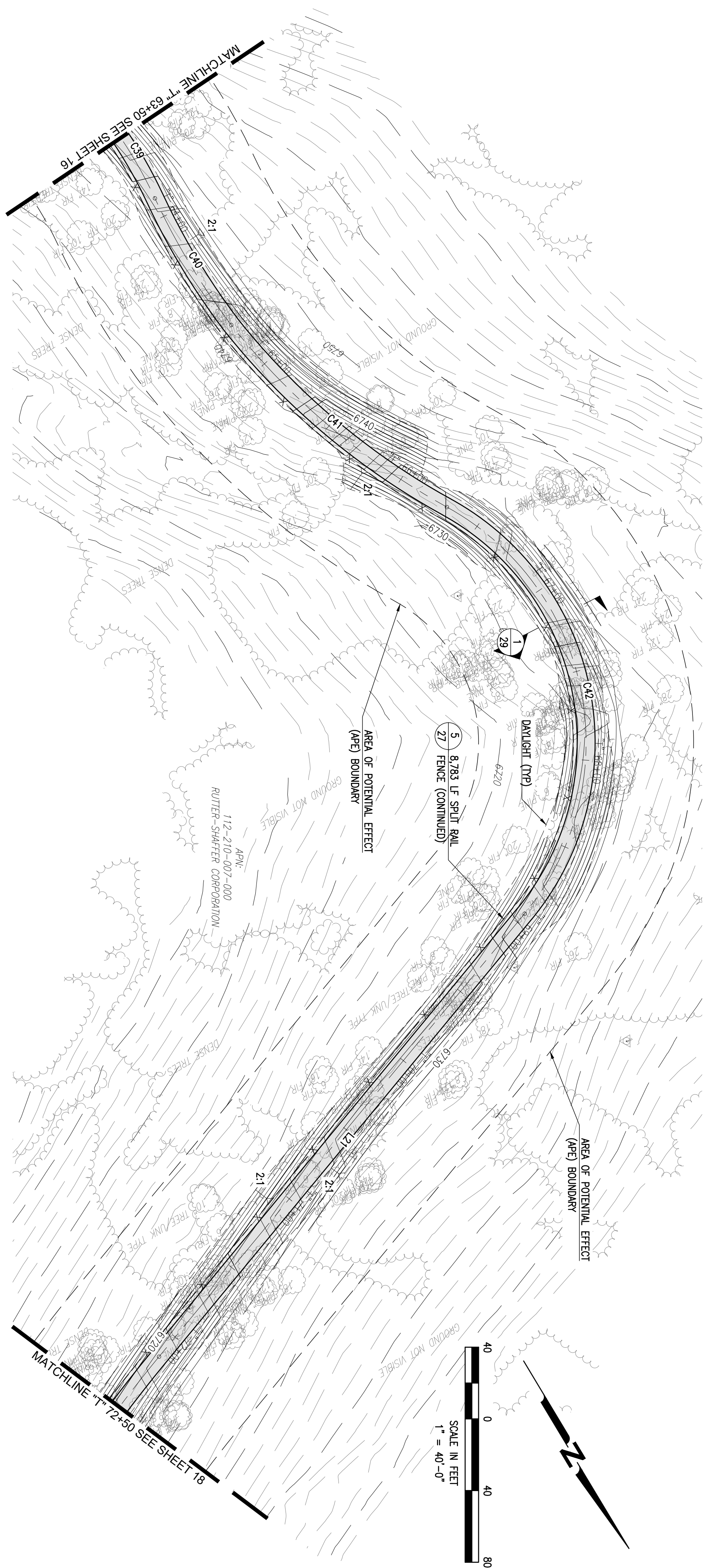
NORTH TAHOE SHARED USE TRAIL
 PLAN AND PROFILE "T" 54+50 TO "T" 63+50



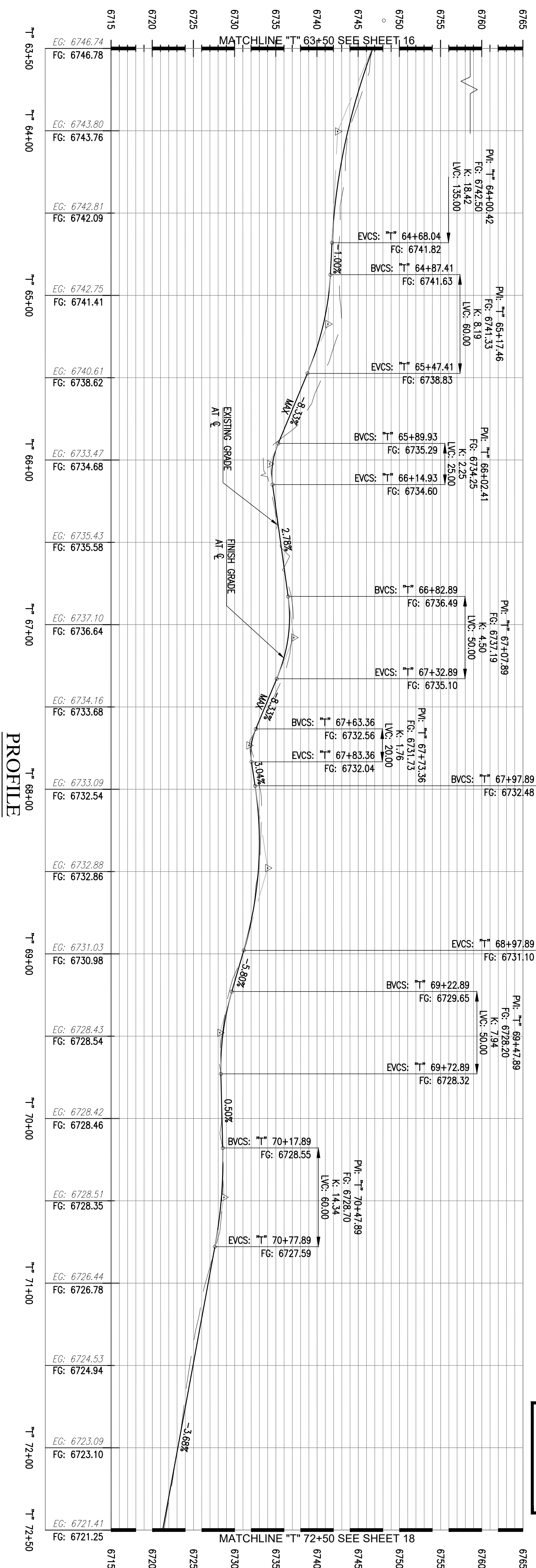
DESIGNED BY: KH
 DATE: 11-30-21
 DRAWN BY: KH
 DATE: 11-30-21
 CHECKED BY: FH
 DATE: 11-15-21

REVISION #	DESCRIPTION AND SHEET NO.:	APPROVED BY:	DATE:

SHEET NO. 16 OF 29
 PROJECT NO. #
 COUNTY OF PLACER



PLAN



PROFILE

SCALE:
HORIZONTAL: 1" = 40'
VERTICAL: 1" = 8'

NUMBER	RADIUS	LENGTH	LINE/CHORD DIRECTION
C39	248.00	72.30	N2° 18' 56.65"W
C40	368.00	82.62	N0° 03' 49.72"W
C41	400.00	158.59	N18° 49' 42.26"W
C42	150.00	263.68	N20° 10' 23.18"E
L21		320.50	N70° 31' 58.00"E

30% SUBMITTAL
PRELIMINARY
FOR REVIEW
NOT FOR CONSTRUCTION
DATE: 11-30-2021

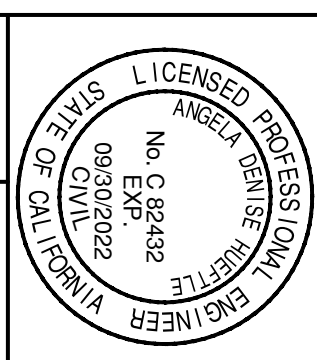


COUNTY OF Placer
PROJECT NO. #

COUNTY OF PLACER
DEPARTMENT OF PUBLIC WORKS
TAHOE ENGINEERING DIVISION

P.O. BOX 336
7717 NORTH LAKE BOULEVARD (SR 28)
KINGS BEACH, CA 96143
(530) 581-6238

NORTH TAHOE SHARED USE TRAIL
PLAN AND PROFILE "T" 63+50 TO "T" 72+50

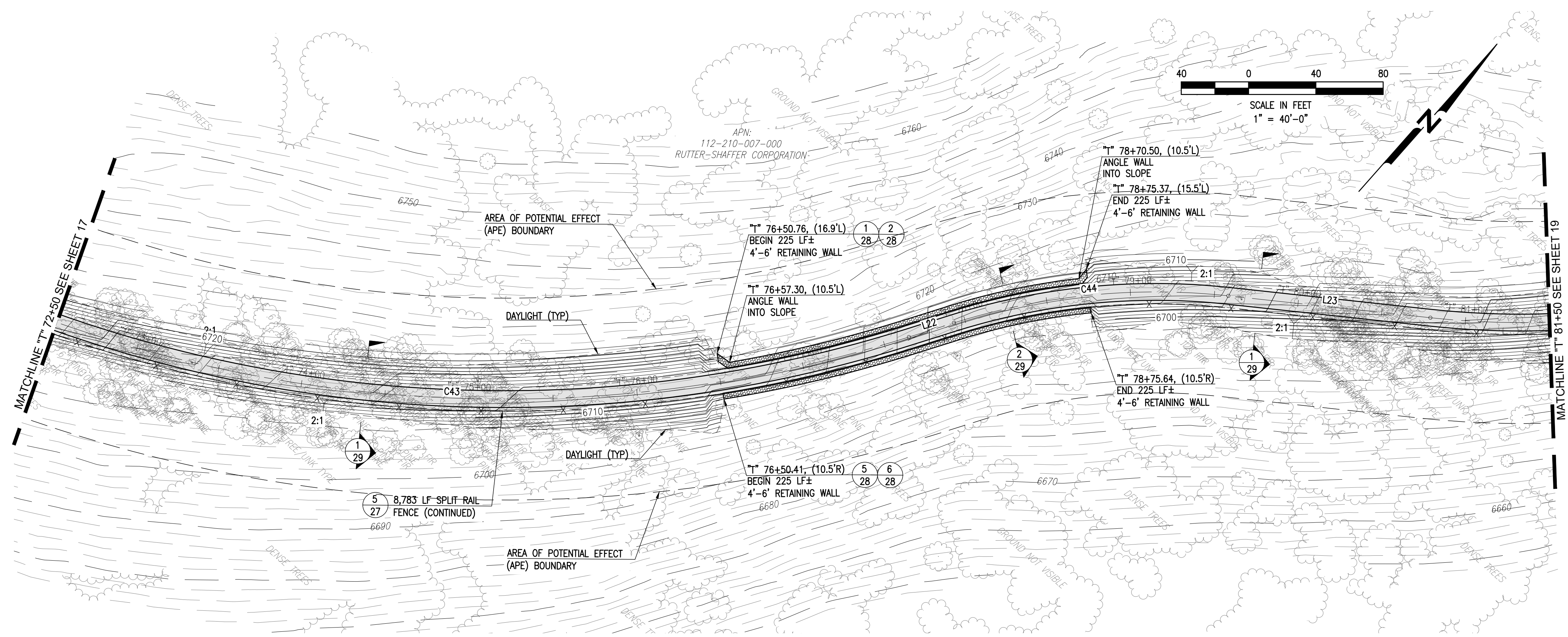


DESIGNED BY: KH
DATE: 11-30-21
DRAWN BY: KH
DATE: 11-30-21
CHECKED BY: FH
DATE: 11-15-21

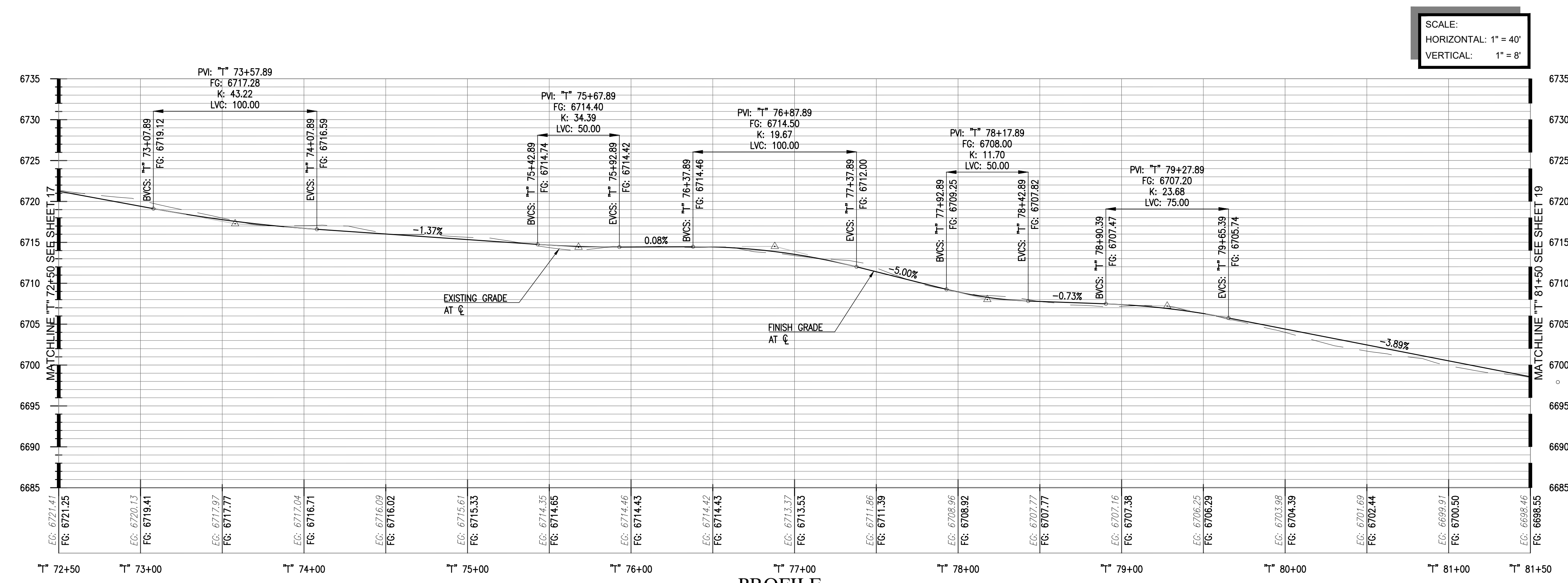
REVISION #	DESCRIPTION AND SHEET NO.:	APPROVED BY:	DATE:

SHEET NO. 17 OF 29

THE COUNTY OF PLACER OR ITS OFFICERS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.



PLAN



PROFILE

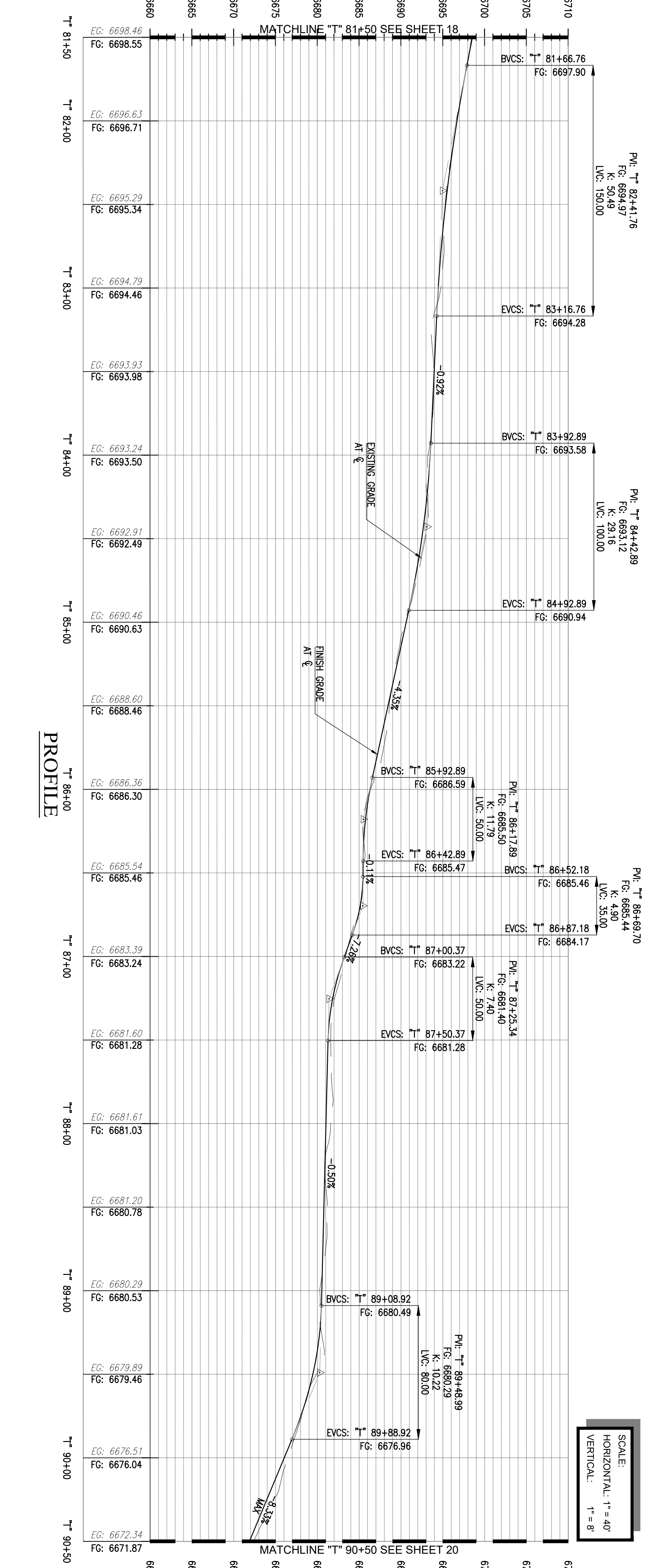
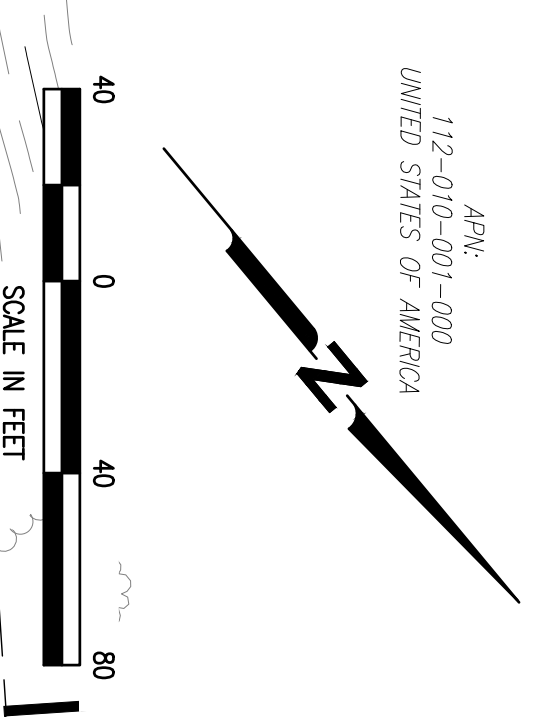
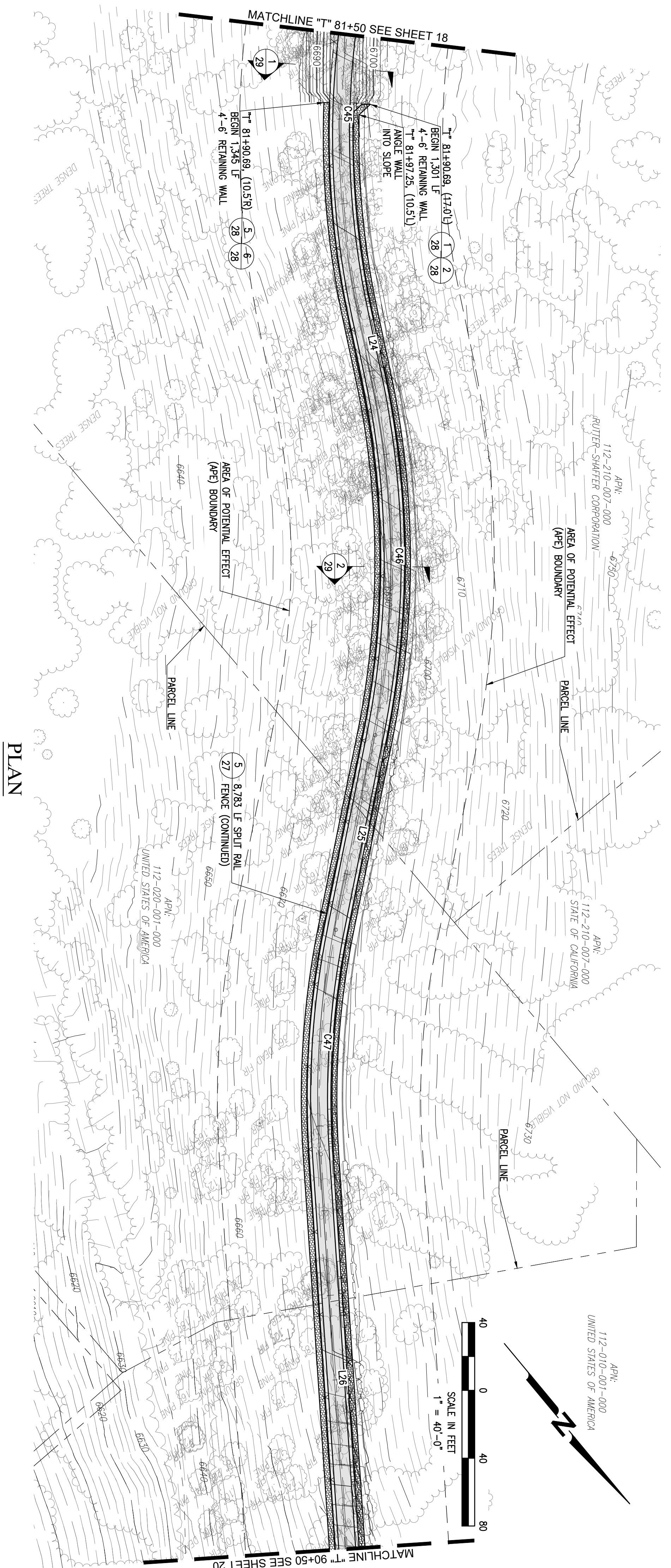
SCALE:
HORIZONTAL: 1" = 40'
VERTICAL: 1" = 8'

T			
NUMBER	RADIUS	LENGTH	LINE/CHORD DIRECTION
C43	800.00	551.02	N50° 48' 03.08"E
L22		27.99	N31° 04' 08.15"E
C44	400.00	165.12	N42° 53' 40.12"E
L23		120.74	N54° 43' 11.96"E

30% SUBMITTAL
PRELIMINARY
FOR REVIEW
NOT FOR CONSTRUCTION
DATE: 11-30-2021



DESIGNED BY: KH DATE: 11-30-21 DRAWN BY: KH DATE: 11-30-21 CHECKED BY: FH DATE: 11-15-21	APPROVED BY: _____ DATE: _____	REVISION # _____ DESCRIPTION AND SHEET NO.: _____	LICENSED PROFESSIONAL ENGINEER ANGELO DENISE HUETTE No. C 82432 EXP. 09/30/2022 CIVIL STATE OF CALIFORNIA	COUNTY OF PLACER DEPARTMENT OF PUBLIC WORKS TAHOE ENGINEERING DIVISION P.O. BOX 336 7717 NORTH LAKE BOULEVARD (SR 28) KINGS BEACH, CA 96143 (530) 581-6238 NORTH TAHOE SHARED USE TRAIL PLAN AND PROFILE "T" 72+50 TO "T" 81+50	PROJECT NO. _____ # _____ SHEET NO. 18 OF 29
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SCALE:
HORIZONTAL: 1" = 40'
VERTICAL: 1" = 8'

NUMBER	RADIUS	LENGTH	LINE/CHORD DIRECTION
C45	500.00	235.68	N41° 12' 59.01"E
L24	38.83	38.83	N27° 42' 45.93"E
C46	520.00	212.92	N39° 26' 35.35"E
L25	500.00	133.12	N51° 10' 24.76"E
C47	500.00	133.12	N43° 32' 47.20"E
L26		264.86	N35° 55' 09.64"E

30% SUBMITTAL
PRELIMINARY
FOR REVIEW
NOT FOR CONSTRUCTION
DATE: 11-30-2021

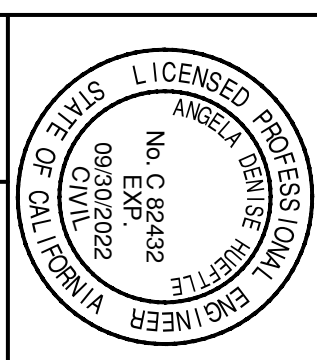


COUNTY OF
Placer
PROJECT NO. #

COUNTY OF PLACER
DEPARTMENT OF PUBLIC WORKS
TAHOE ENGINEERING DIVISION

P.O. BOX 336
7717 NORTH LAKE BOULEVARD (SR 28)
KINGS BEACH, CA 96143
(530) 581-6238

NORTH TAHOE SHARED USE TRAIL
PLAN AND PROFILE "T" 81+50 TO "T" 90+50

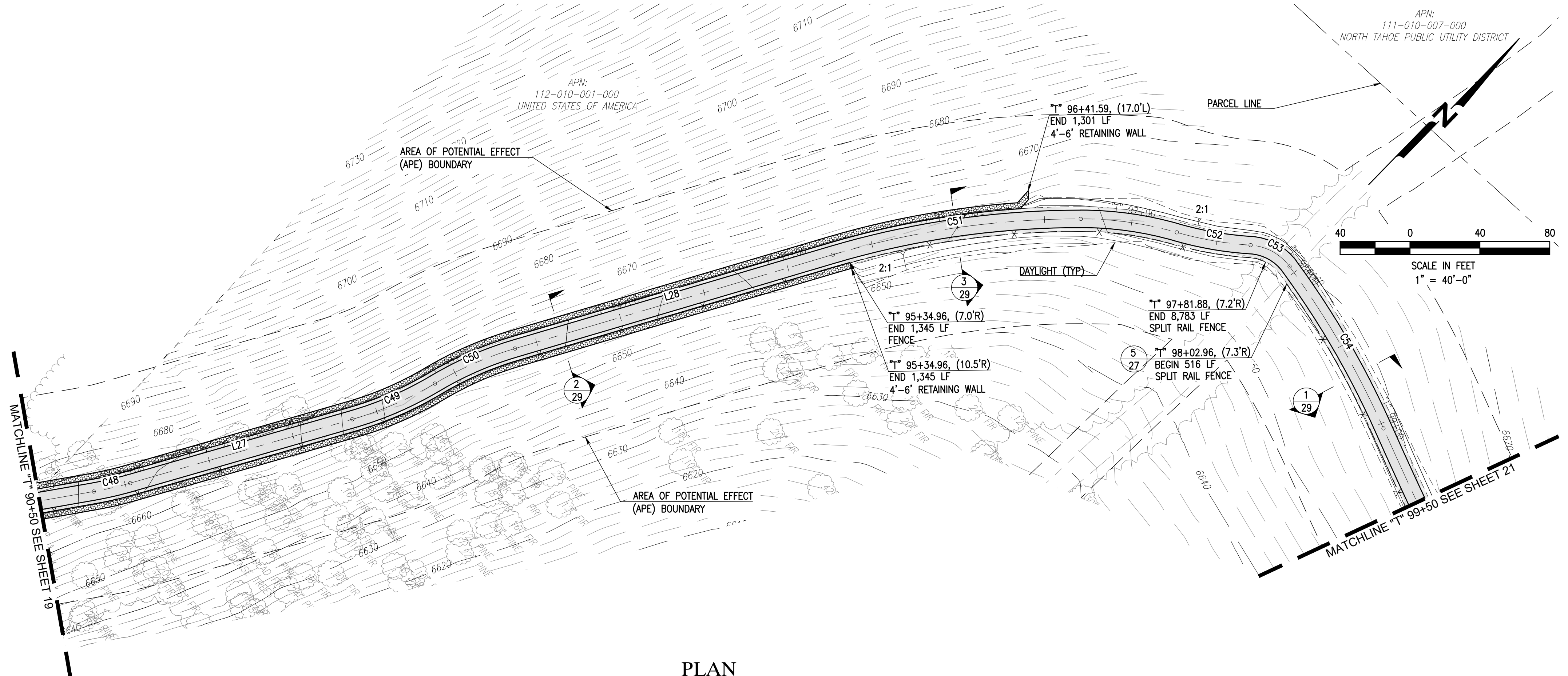


DESIGNED BY: KH
DATE: 11-30-21
DRAWN BY: KH
DATE: 11-30-21
CHECKED BY: FH
DATE: 11-15-21

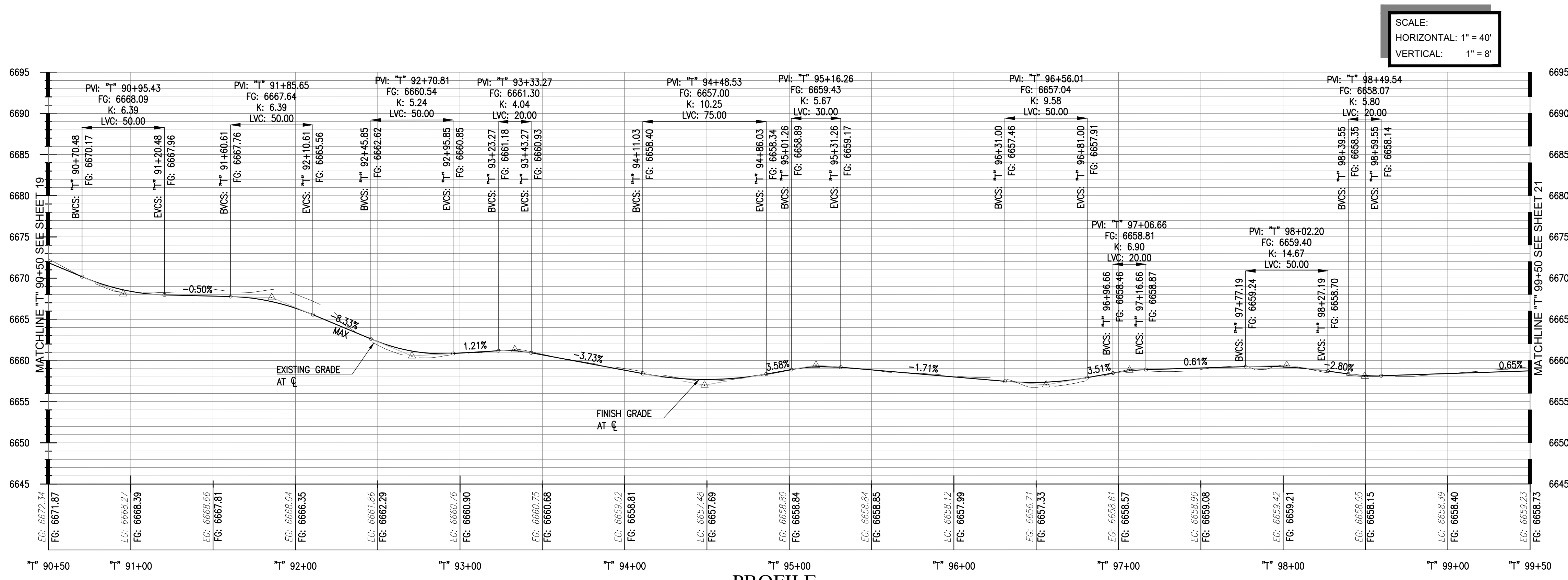
REVISION #	DESCRIPTION AND SHEET NO.:	APPROVED BY:	DATE:

SHEET NO.
19 OF **29**

THE COUNTY OF PLACER OR ITS OFFICERS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.



PLAN



PROFILE

SCALE:
HORIZONTAL: 1" = 40'
VERTICAL: 1" = 8'

T			
NUMBER	RADIUS	LENGTH	LINE/CHORD DIRECTION
C48	200.00	21.42	N32° 51' 02.06"E
L27		132.33	N29° 46' 54.48"E
C49	200.00	51.63	N22° 23' 11.35"E
C50	200.00	50.15	N22° 10' 29.43"E
L28		189.80	N29° 21' 30.64"E
C51	500.00	143.92	N37° 36' 15.76"E
C52	200.00	42.98	N55° 38' 51.06"E
C53	30.01	26.23	N74° 31' 40.43"E
C54	500.00	107.45	S74° 16' 43.78"E

30% SUBMITTAL
PRELIMINARY
FOR REVIEW
NOT FOR CONSTRUCTION
DATE: 11-30-2021

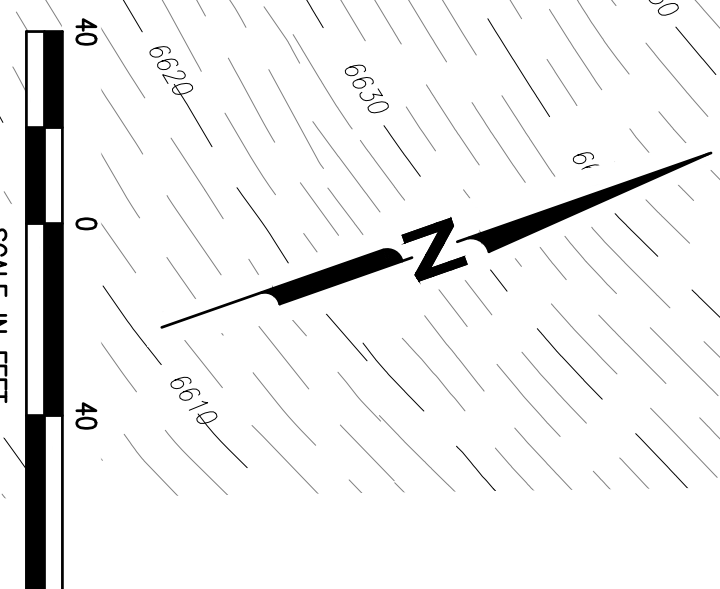
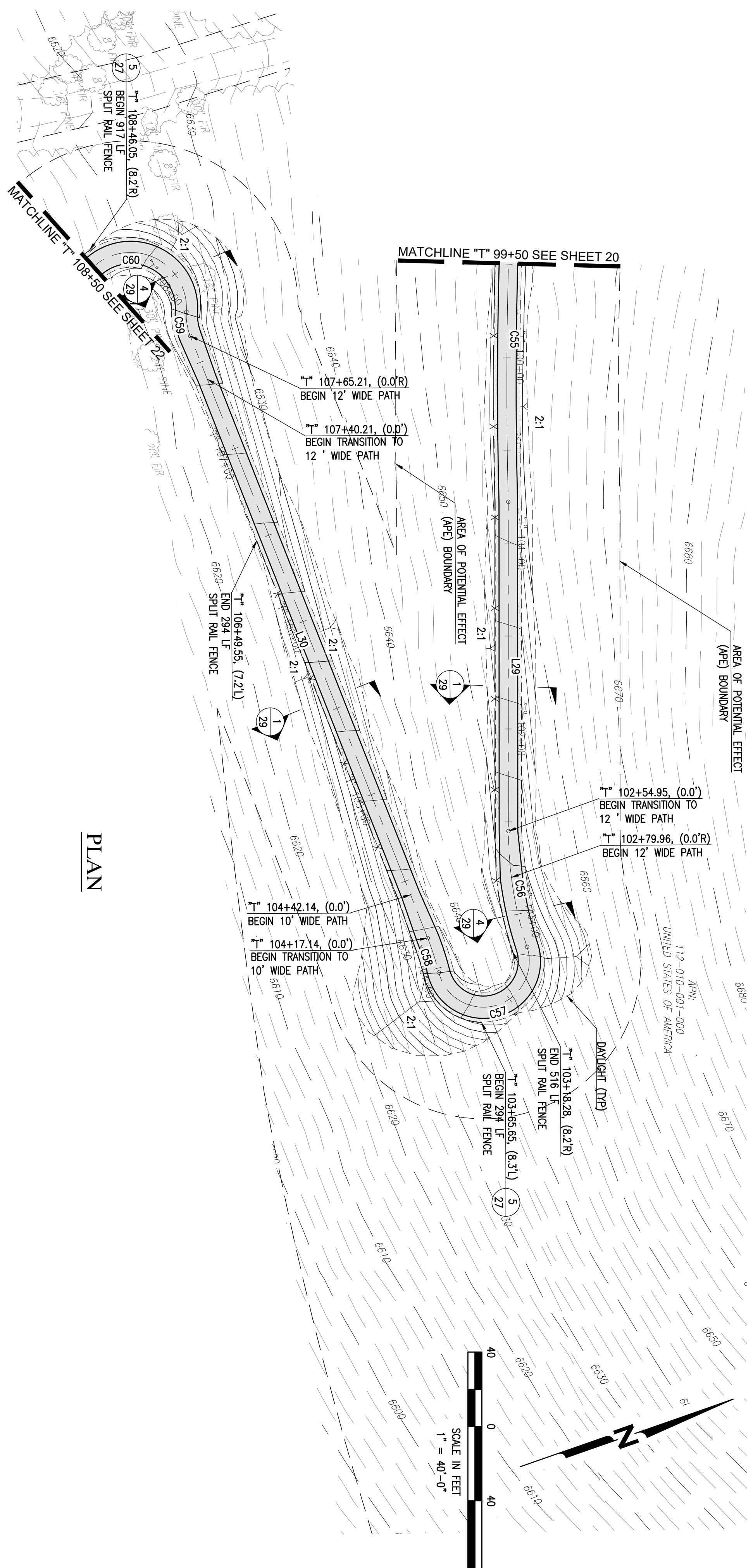


APPROVED BY:		DESCRIPTION AND SHEET NO.:		DATE:	
DESIGNED BY:	KH	REVISION #		DATE:	
DATE:	11-30-21			DATE:	11-30-21
DRAWN BY:	KH			DATE:	11-30-21
CHECKED BY:	FH			DATE:	11-15-21

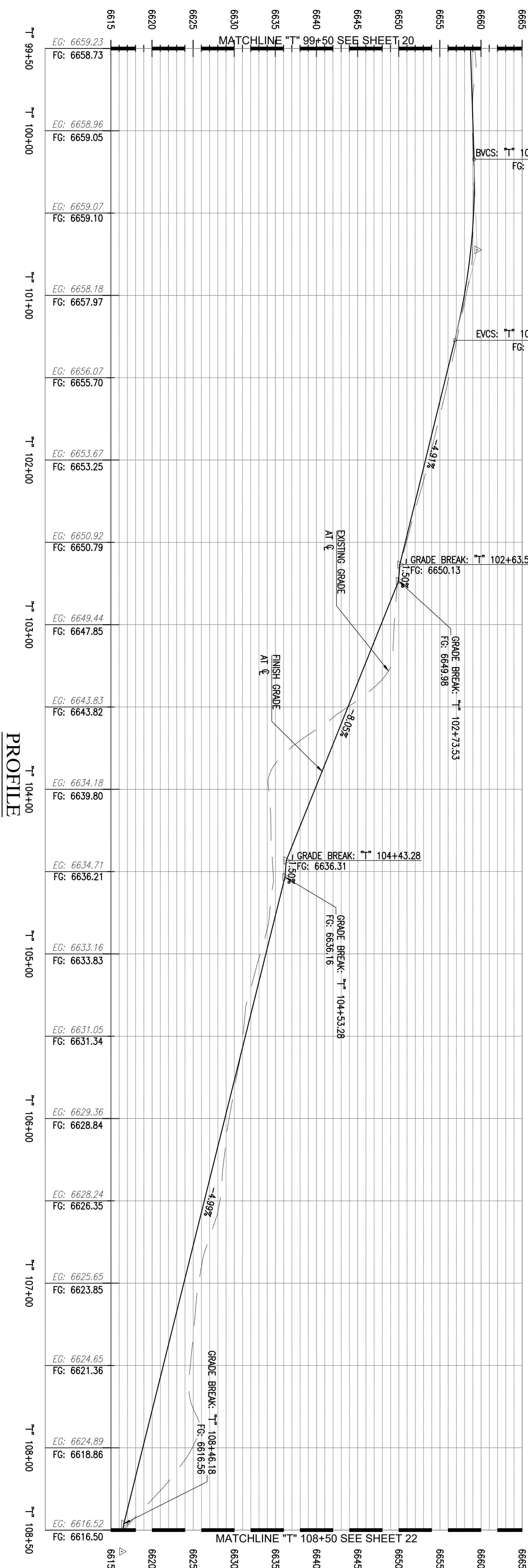
COUNTY OF PLACER
 DEPARTMENT OF PUBLIC WORKS
 TAHOE ENGINEERING DIVISION
 P.O. BOX 336
 7717 NORTH LAKE BOULEVARD (SR 28)
 KINGS BEACH, CA 96143
 (530) 581-6238

NORTH TAHOE SHARED USE TRAIL
 PLAN AND PROFILE "T" 90+50 TO "T" 99+50

PROJECT NO.	#
SHEET NO.	20 OF 29



SCALE:
HORIZONTAL: 1" = 40'
VERTICAL: 1" = 8'



PROFILE

PLAN

NUMBER	RADIUS	LENGTH	LINE/CHORD DIRECTION
C55	2491.36	174.75	S70° 07' 55.36"E
L29		177.11	S70° 44' 54.32"E
C56	200.00	63.33	S79° 49' 12.49"E
C57	24.72	79.38	S3° 06' 50.59"W
C58	151.91	19.48	N88° 33' 15.25"W
L30		348.08	S87° 46' 17.72"W
C59	30.00	13.22	N79° 36' 06.49"W
C60	30.00	97.76	S19° 39' 57.04"W

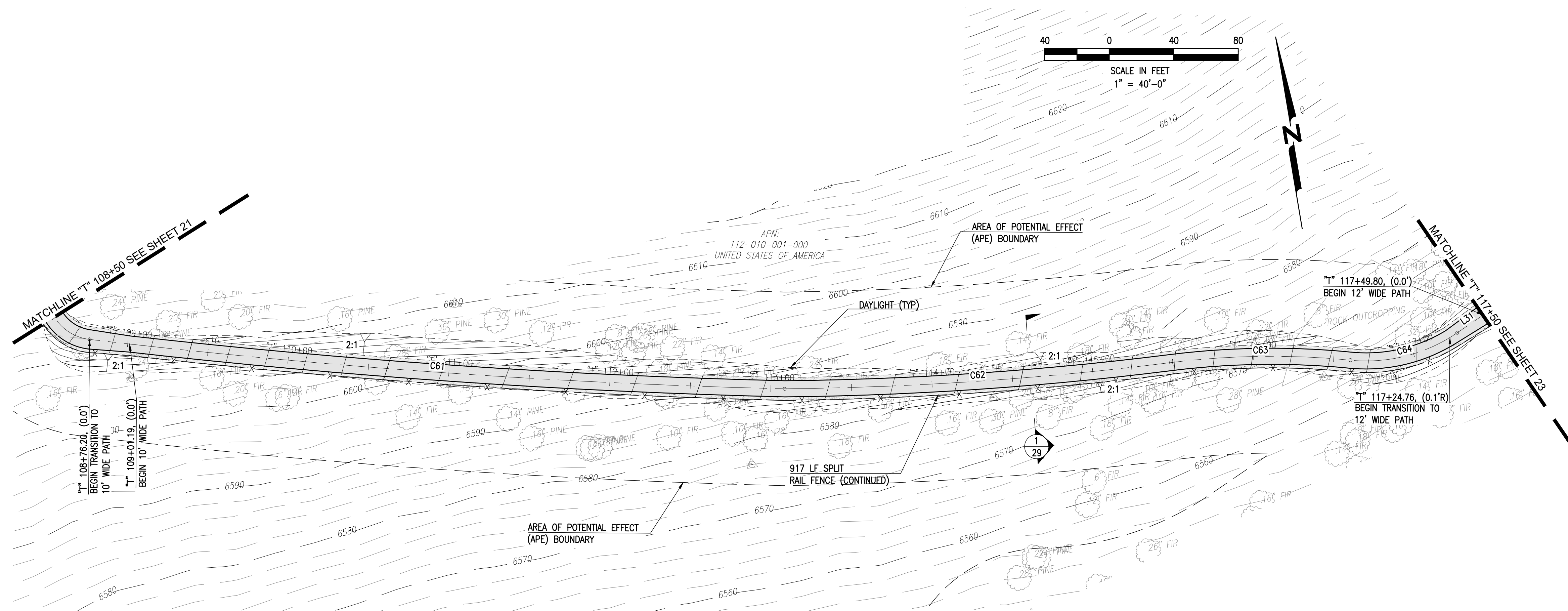
30% SUBMITTAL
PRELIMINARY
FOR REVIEW
NOT FOR CONSTRUCTION
DATE: 11-30-2021



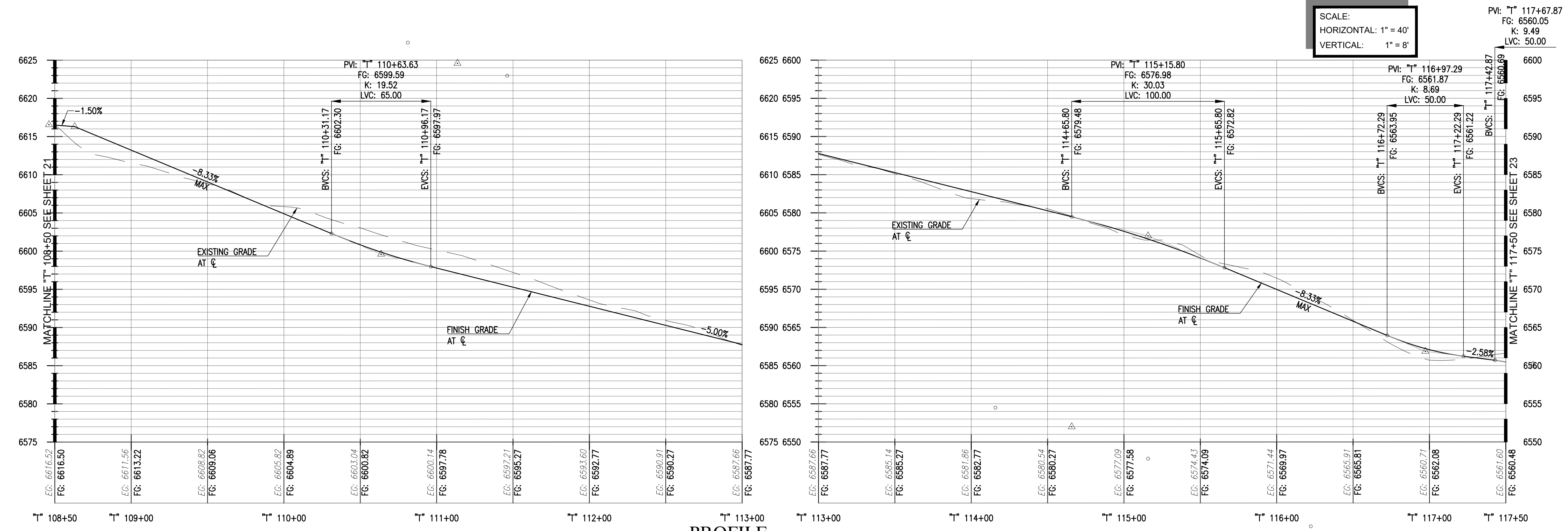
SHEET NO. 21 OF 29	PROJECT NO. #	COUNTY OF Placer COUNTY OF PLACER DEPARTMENT OF PUBLIC WORKS TAHOE ENGINEERING DIVISION	P.O. BOX 336 7717 NORTH LAKE BOULEVARD (SR 28) KINGS BEACH, CA 96143 (530) 581-6238	LICENSED PROFESSIONAL ENGINEER ANGELA BOWEN NO. C28432 EXPIRES 09/30/2022 STATE OF CALIFORNIA	DESIGNED BY: KH DATE: 11-30-21 DRAWN BY: KH DATE: 11-30-21 CHECKED BY: FH DATE: 11-15-21	REVISION # DESCRIPTION AND SHEET NO.: APPROVED BY: DATE:
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NORTH TAHOE SHARED USE TRAIL
PLAN AND PROFILE "T" 99+50 TO "T" 108+50

THE COUNTY OF PLACER OR ITS OFFICERS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.



PLAN



PROFILE

T			
NUMBER	RADIUS	LENGTH	LINE/CHORD DIRECTION
C61	4650.79	432.32	S76° 21' 21.07"E
C62	2100.00	240.28	S84° 18' 10.04"E
C63	500.00	111.57	S81° 11' 16.81"E
C64	100.00	69.80	N85° 12' 30.70"E
L31		19.63	N65° 12' 44.72"E

30% SUBMITTAL
PRELIMINARY
 FOR REVIEW
 NOT FOR CONSTRUCTION
 DATE: 11-30-2021



APPROVED BY:		DATE:		DESCRIPTION AND SHEET NO.:		REVISION #	
DESIGNED BY:	KH	DATE:	11-30-21	DRAWN BY:	KH	DATE:	11-30-21
CHECKED BY:	FH	DATE:	11-15-21				

P.O. BOX 336
 7717 NORTH LAKE BOULEVARD (SR 28)
 KINGS BEACH, CA 96143
 (530) 581-6238

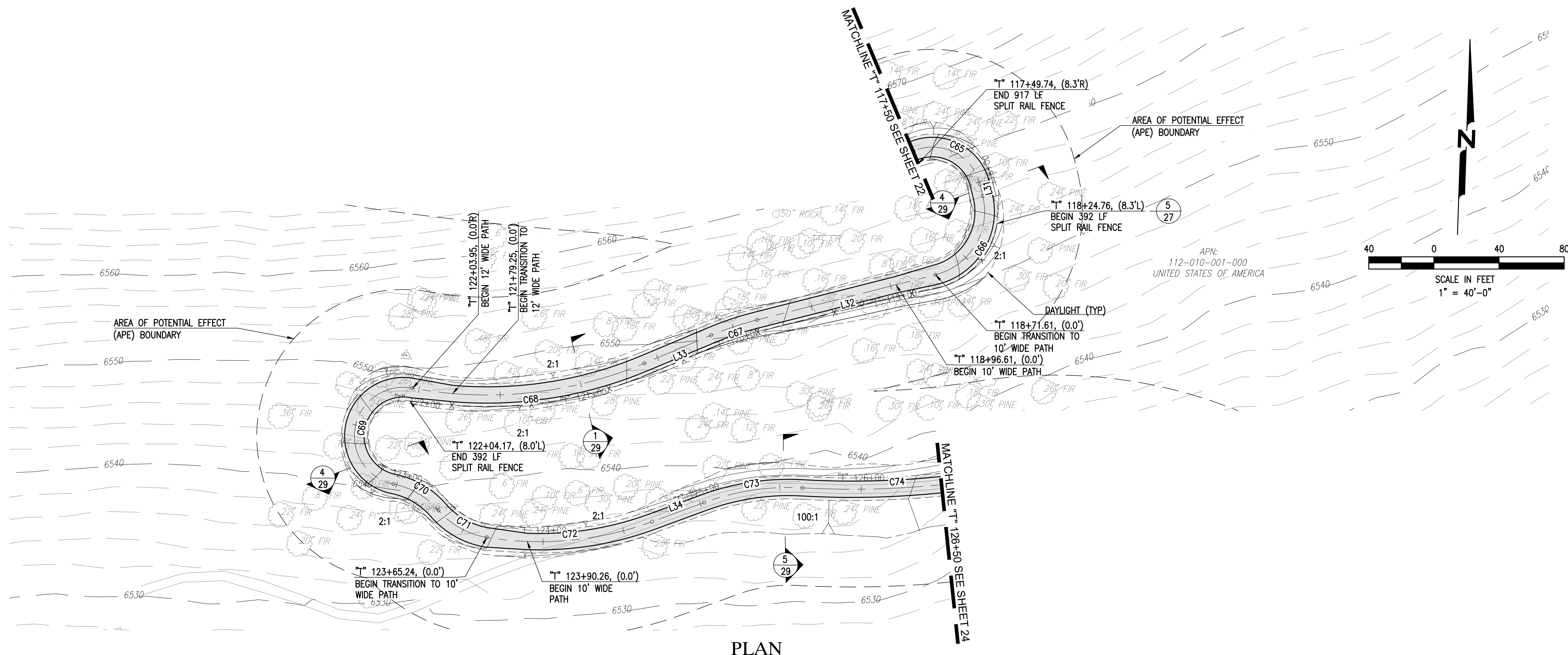
COUNTY OF PLACER
 DEPARTMENT OF PUBLIC WORKS
 TAHOE ENGINEERING DIVISION

NORTH TAHOE SHARED USE TRAIL
 PLAN AND PROFILE "T" 108+50 TO "T" 117+50

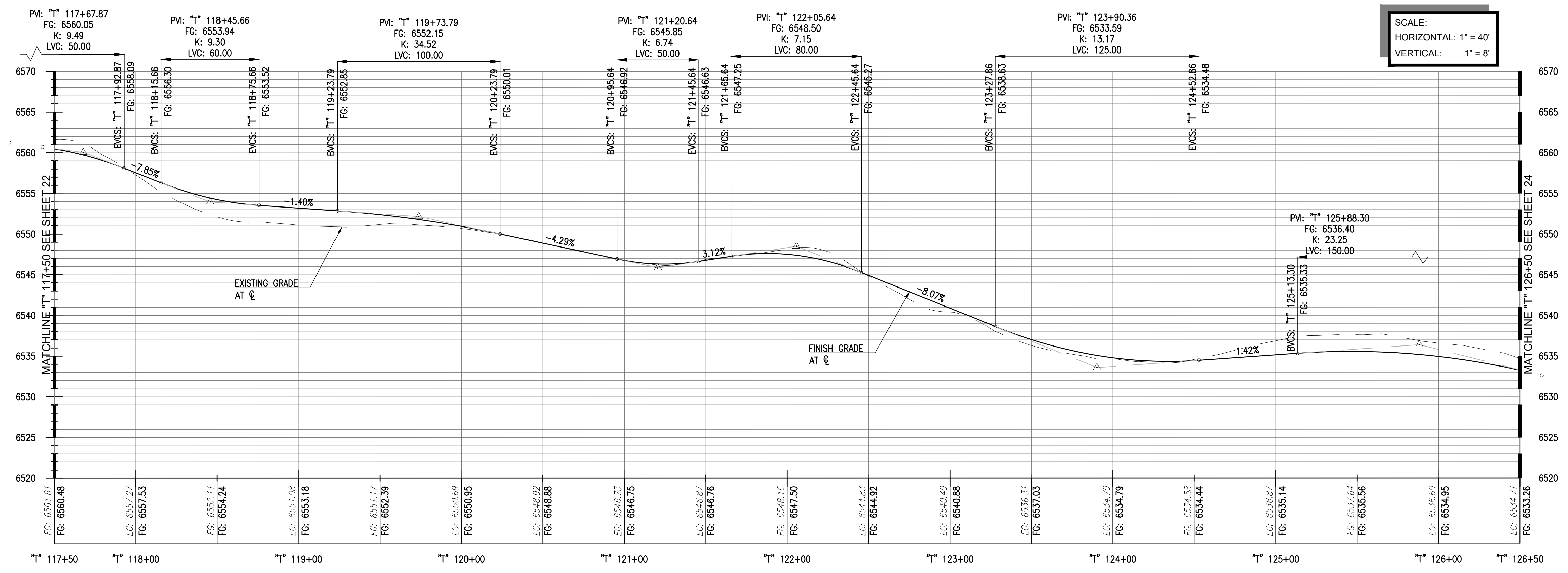
PROJECT NO. #

SHEET NO. 22 OF 29

THE COUNTY OF PLACER OR ITS OFFICERS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.



PLAN



PROFILE

SCALE:
HORIZONTAL: 1" = 40'
VERTICAL: 1" = 8'

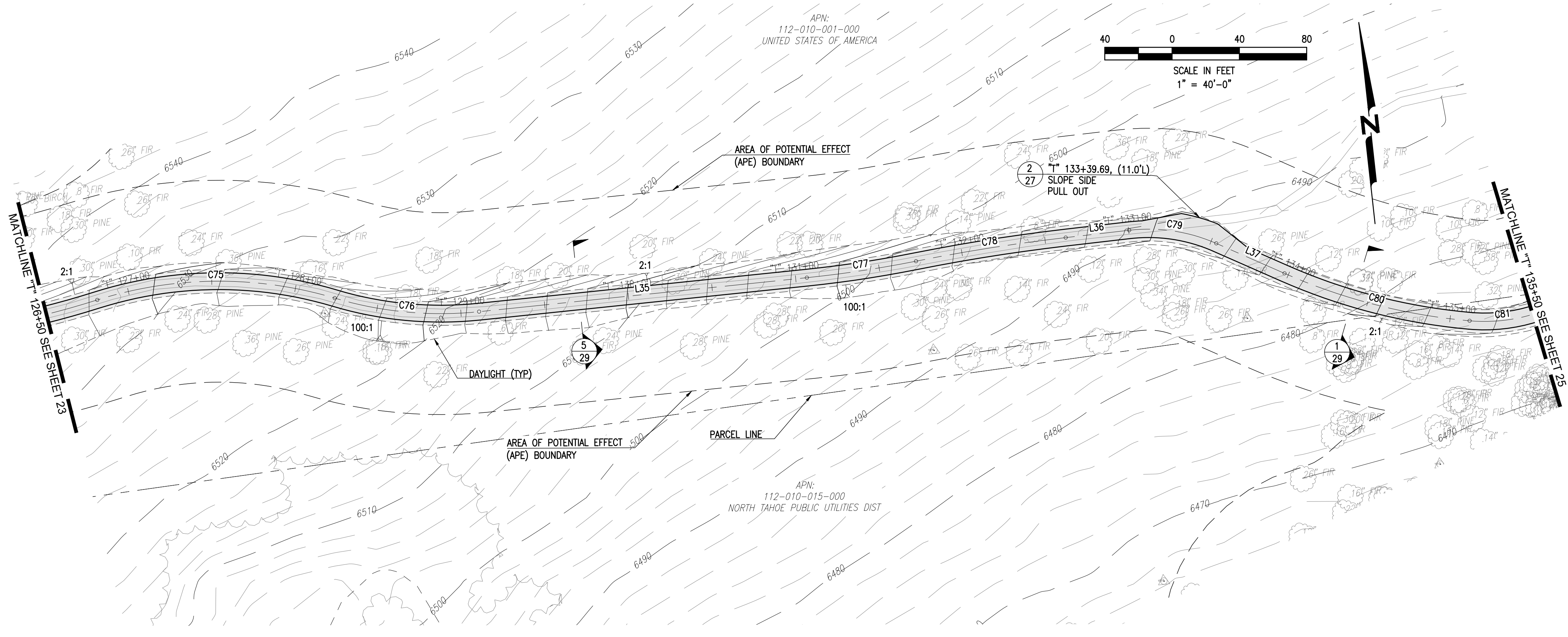
T			
NUMBER	RADIUS	LENGTH	LINE/CHORD DIRECTION
C65	30.00	51.82	S65° 18' 05.50"E
L31		7.44	S15° 48' 55.73"E
C66	40.00	62.55	S28° 59' 09.74"W
L32		113.06	S73° 47' 15.21"W
C67	200.00	29.85	S69° 30' 43.32"W
L33		44.36	S65° 14' 11.43"W
C68	250.00	145.38	S81° 53' 44.42"W
C69	30.00	93.67	S9° 06' 09.45"W
C70	50.00	32.64	S61° 38' 48.32"E
C71	50.00	34.67	S62° 48' 21.35"E
C72	200.00	103.14	N82° 33' 30.12"E
L34		34.09	N67° 47' 04.81"E
C73	150.00	61.40	N79° 30' 41.72"E
C74	536.00	116.92	N84° 59' 21.92"E

30% SUBMITTAL
PRELIMINARY
FOR REVIEW
NOT FOR CONSTRUCTION
DATE: 11-30-2021

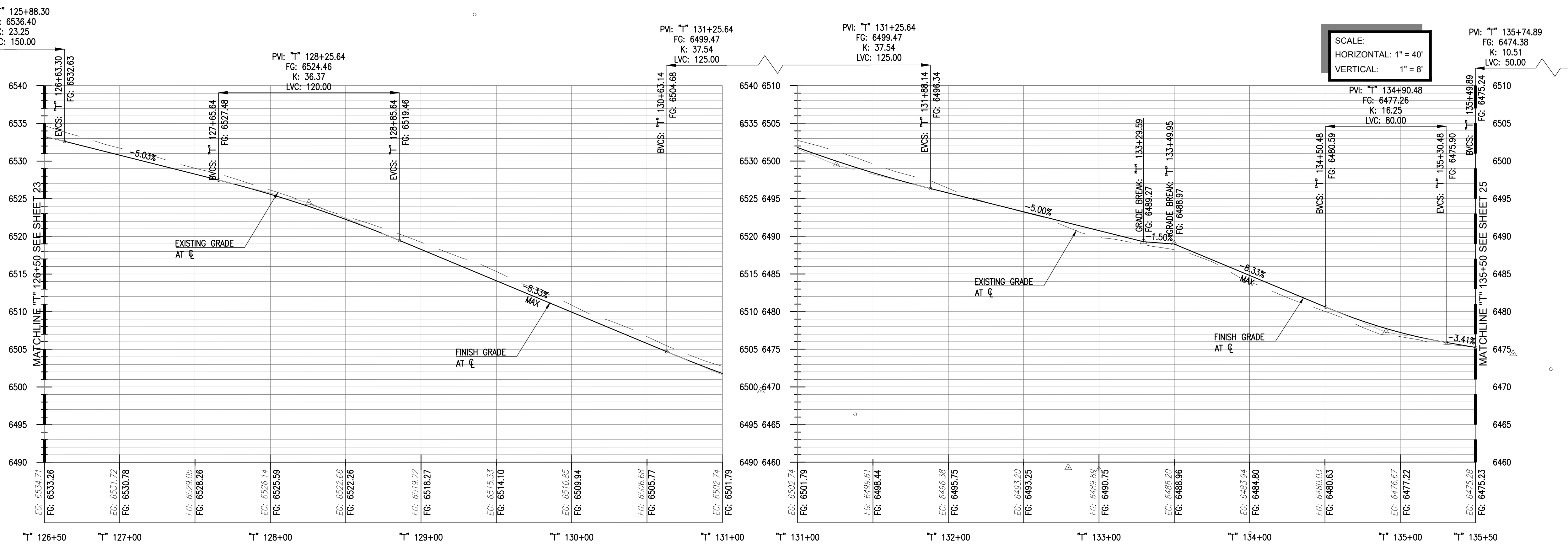


DESIGNED BY: KH DATE: 11-30-21 DRAWN BY: KH DATE: 11-30-21 CHECKED BY: FH DATE: 11-15-21	APN: 112-010-001-000 UNITED STATES OF AMERICA	AREA OF POTENTIAL EFFECT (APE) BOUNDARY	AREA OF POTENTIAL EFFECT (APE) BOUNDARY	DAYLIGHT (TYP)	SCALE IN FEET 1" = 40'-0"
COUNTY OF PLACER DEPARTMENT OF PUBLIC WORKS TAHOE ENGINEERING DIVISION					
P.O. BOX 336 7717 NORTH LAKE BOULEVARD (SR 28) KINGS BEACH, CA 96143 (530) 581-6238					
NORTH TAHOE SHARED USE TRAIL PLAN AND PROFILE "T" 117+50 TO "T" 126+50					
PROJECT NO. #					
SHEET NO. 23 OF 29					

THE COUNTY OF PLACER OR ITS OFFICERS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.



PLAN



PROFILE

T				
NUMBER	RADIUS	LENGTH	LINE/CHORD DIRECTION	
C75	240.00	143.28	S84° 09' 22.72"E	
C76	220.00	86.71	S78° 20' 40.53"E	
L35		195.84	S89° 38' 10.42"E	
C77	700.00	65.62	N87° 40' 42.06"E	
C78	1100.00	90.08	N87° 20' 19.92"E	
L36		38.00	N89° 41' 05.30"E	
C79	100.00	52.93	S75° 09' 08.95"E	
L37		44.30	S59° 59' 23.19"E	
C80	350.00	114.08	S69° 19' 39.92"E	
C81	100.00	39.28	S89° 55' 02.91"E	

REVISION #	DESCRIPTION AND SHEET NO.	APPROVED BY:	DATE:

DESIGNED BY: KH
 DATE: 11-30-21
 DRAWN BY: KH
 DATE: 11-30-21
 CHECKED BY: FH
 DATE: 11-15-21



P.O. BOX 336
 COUNTY OF PLACER
 DEPARTMENT OF PUBLIC WORKS
 TAHOE ENGINEERING DIVISION
 7717 NORTH LAKE BOULEVARD (SR 28)
 KINGS BEACH, CA 96143
 (530) 581-6238

NORTH TAHOE SHARED USE TRAIL
 PLAN AND PROFILE "T" 126+50 TO "T" 135+50

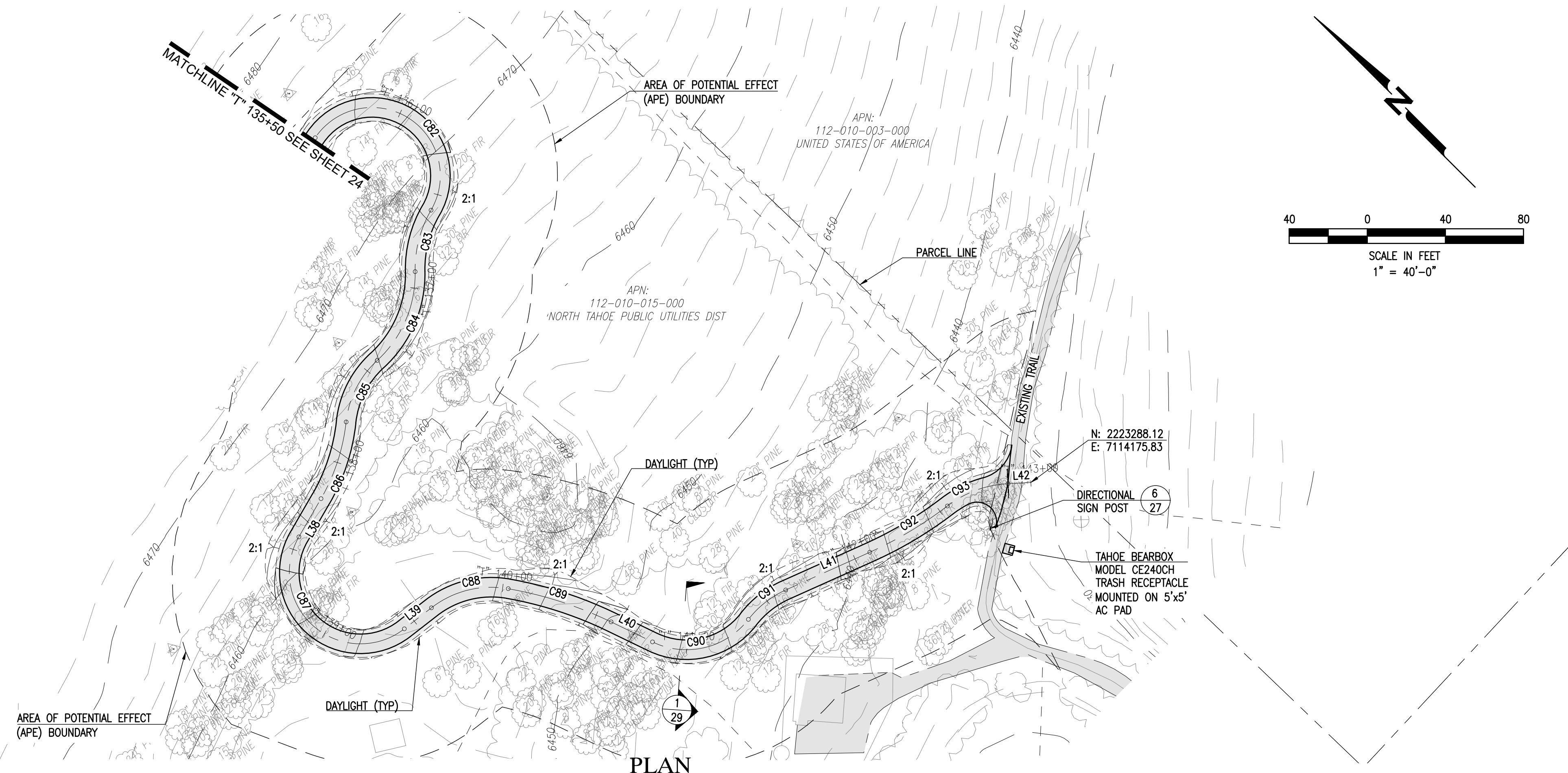
30% SUBMITTAL
PRELIMINARY
 FOR REVIEW
 NOT FOR CONSTRUCTION
 DATE: 11-30-2021

PROJECT NO. #

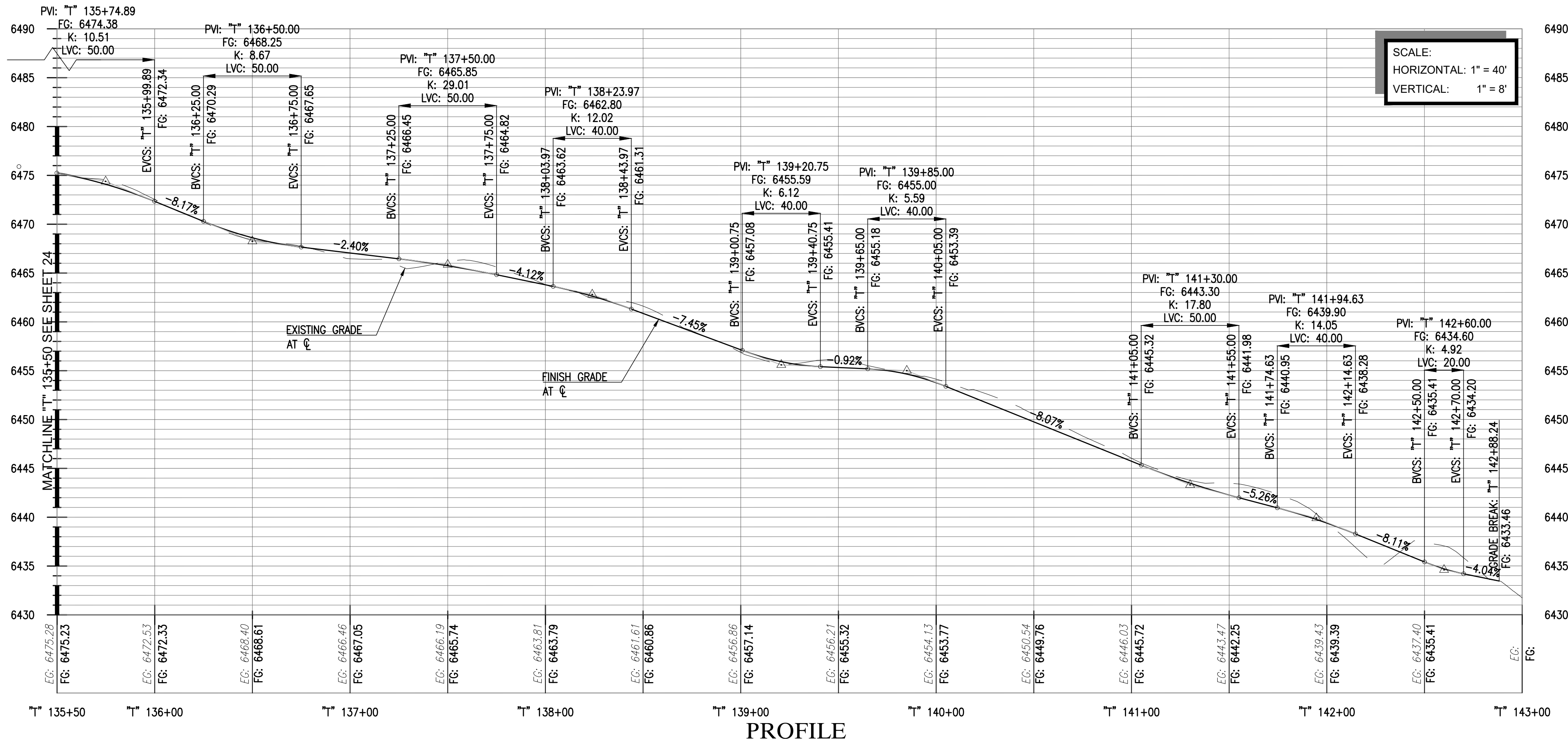
SHEET NO. 24 OF 29



THE COUNTY OF PLACER OR ITS OFFICERS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.



T			
NUMBER	RADIUS	LENGTH	LINE/CHORD DIRECTION
C82	35.00	107.75	S12° 58' 24.92"E
C83	60.00	32.94	S59° 29' 41.45"W
C84	60.00	51.01	S68° 07' 22.05"W
C85	50.00	36.06	S71° 49' 02.05"W
C86	100.00	41.67	S63° 05' 39.63"W
L38		22.64	S75° 01' 55.71"W
C87	36.50	100.59	S3° 55' 07.04"E
L39		17.55	S82° 52' 09.81"E
C88	50.00	41.71	S58° 58' 12.67"E
C89	200.00	55.54	S27° 06' 57.48"E
L40		23.56	S19° 09' 39.43"E
C90	40.00	54.56	S58° 14' 15.34"E
C91	50.00	24.55	S83° 14' 51.88"E
L41		47.20	S69° 10' 53.78"E
C92	200.00	46.40	S75° 49' 38.09"E
C93	55.78	33.57	S65° 13' 59.93"E
L42		11.76	S47° 59' 37.45"E



30% SUBMITTAL
PRELIMINARY
 FOR REVIEW
 NOT FOR CONSTRUCTION
 DATE: 11-30-2021



APPROVED BY:		DATE:		APPROVED BY:		DATE:	
DESIGNED BY:	KH	DATE:	11-30-21	DRAWN BY:	KH	DATE:	11-30-21
CHECKED BY:	FH	DATE:	11-15-21				

P.O. BOX 336
 7717 NORTH LAKE BOULEVARD (SR 28)
 KINGS BEACH, CA 96143
 (530) 581-6238

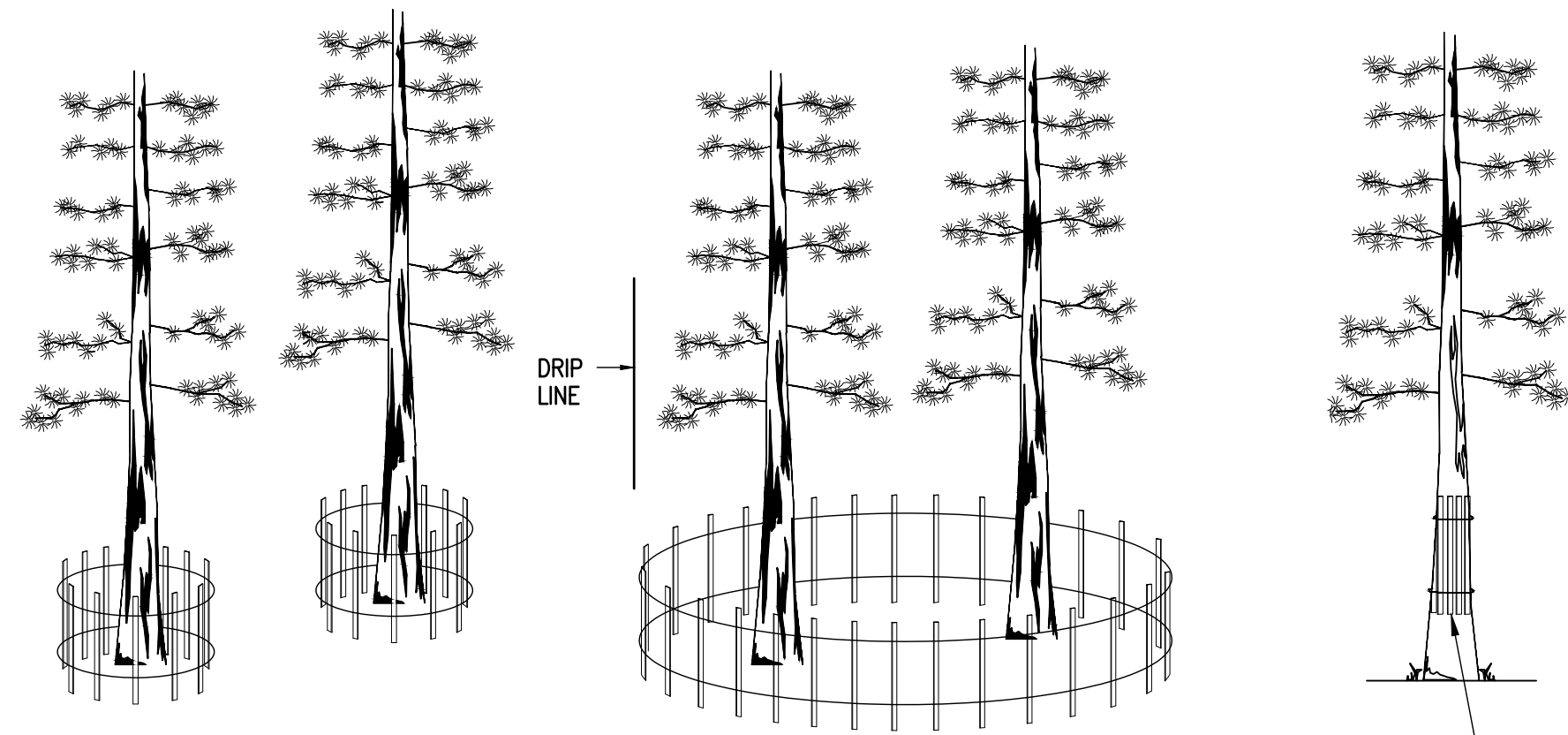
COUNTY OF PLACER
 DEPARTMENT OF PUBLIC WORKS
 TAHOE ENGINEERING DIVISION

NORTH TAHOE SHARED USE TRAIL
 PLAN AND PROFILE "T" 135+50 TO "T" 143+00

PROJECT NO. #

SHEET NO. 25 OF 29

THE COUNTY OF PLACER OR ITS OFFICERS SHALL NOT BE RESPONSIBLE FOR THE ACCURACY OR COMPLETENESS OF ELECTRONIC COPIES OF THIS PLAN SHEET.

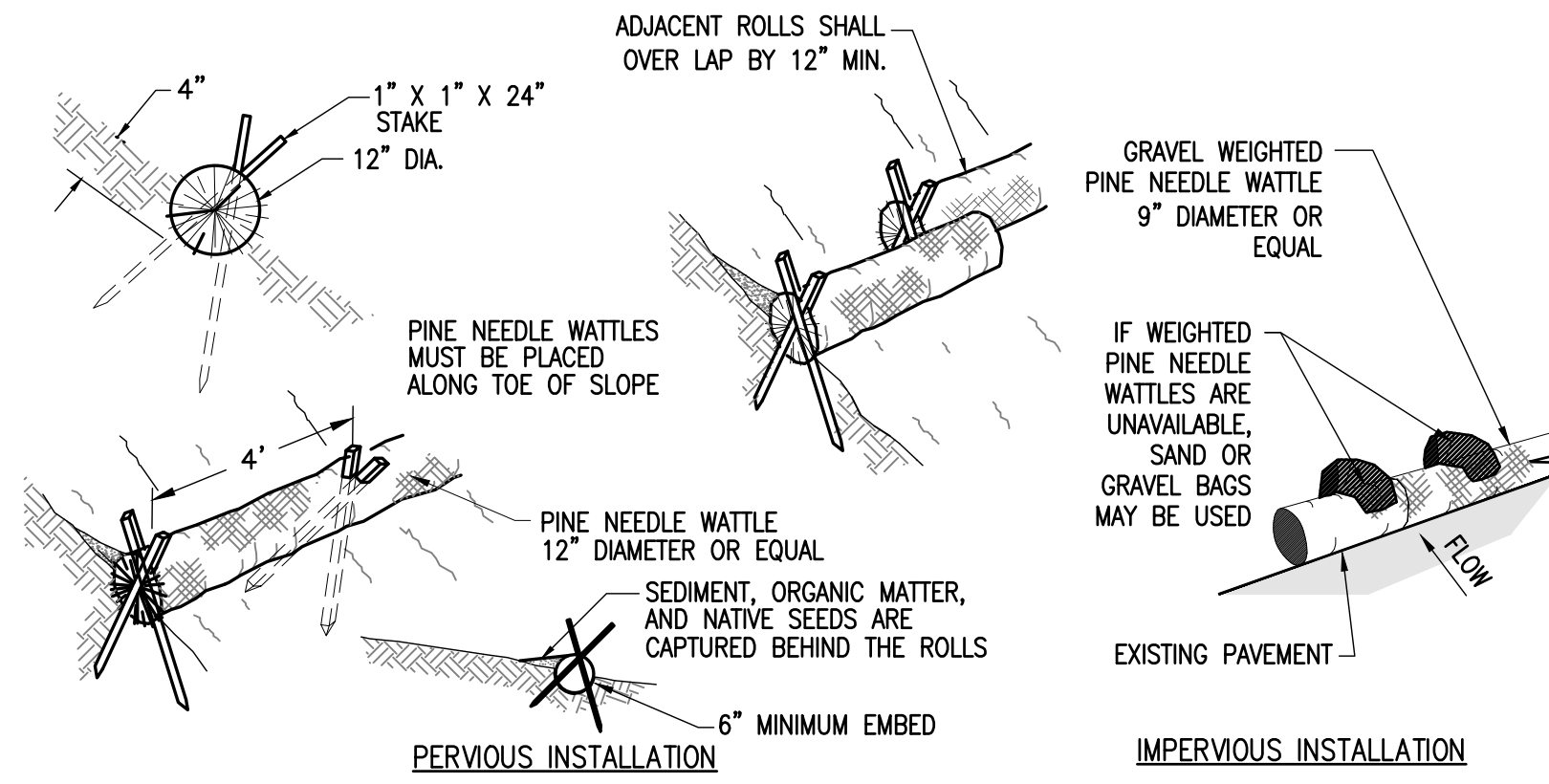


INCORRECT

CORRECT

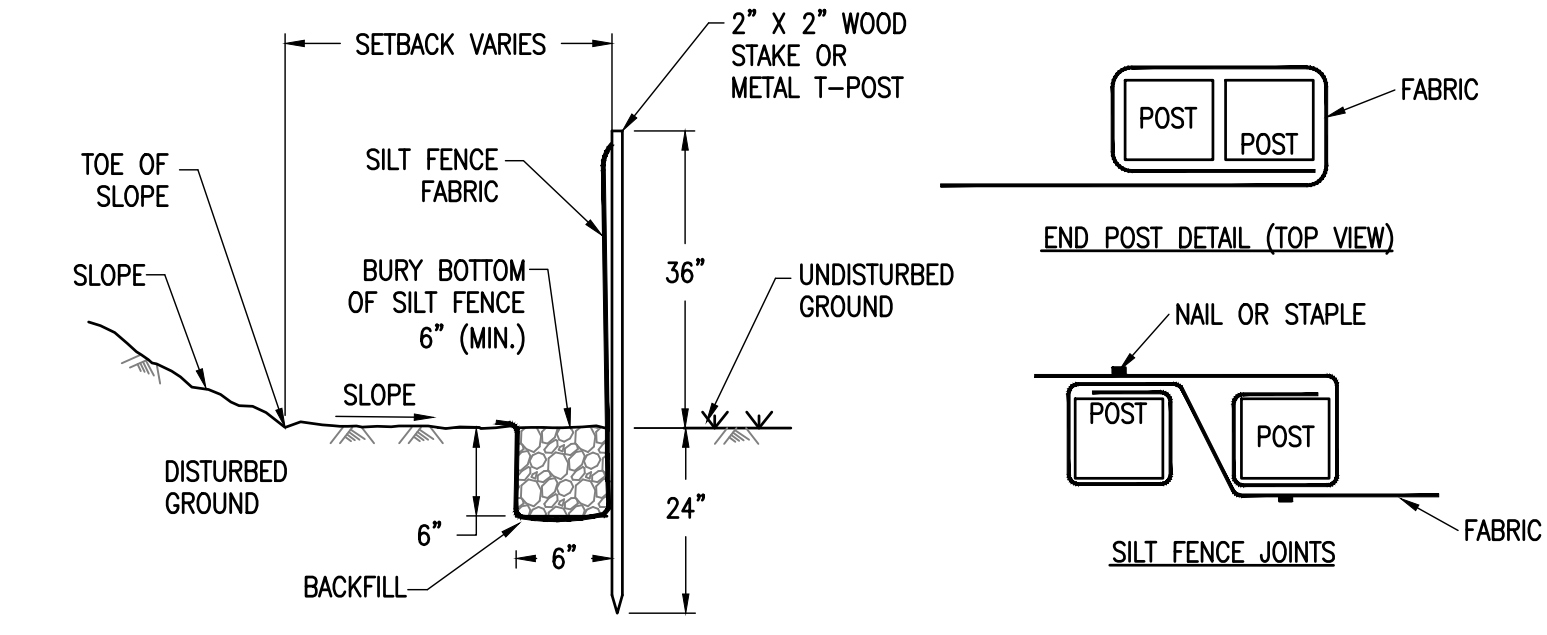
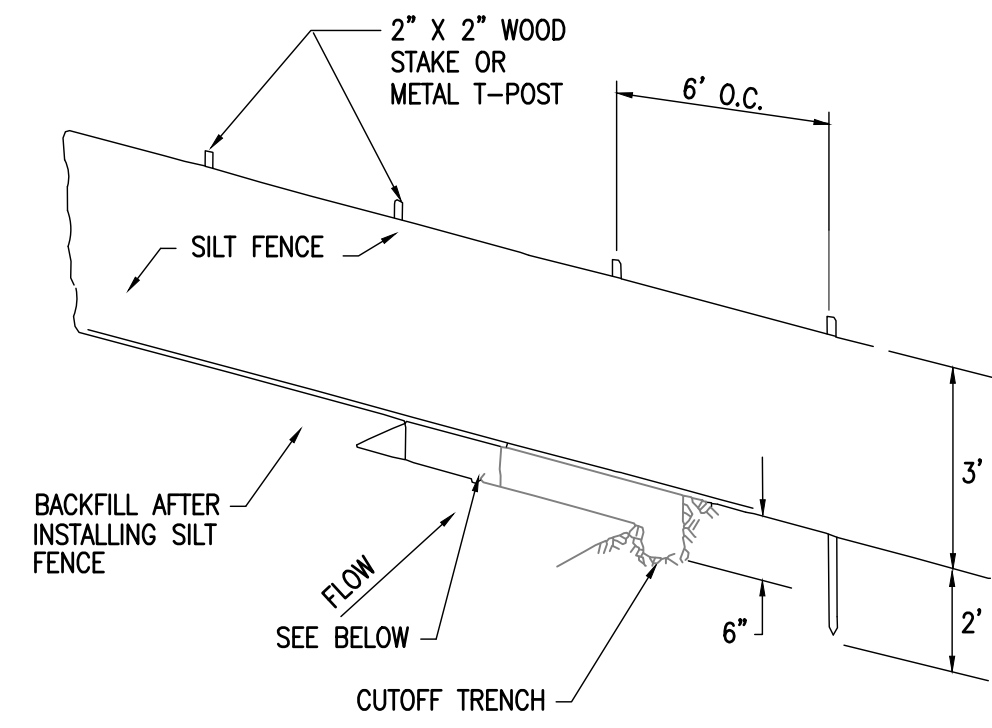
2"x6"x8' LUMBER TIED TIGHTLY TO TREE WITH POLY ROPE. 8" GAPS MAXIMUM. PROTECT 50% OF CIRCUMFERENCE ON SIDE FACING CONSTRUCTION ACTIVITY.

INDIVIDUAL TREE PROTECTION



NOTES:

- WHEN INSTALLING PINE NEEDLE WATTLES OVER RIPRAP, COBBLE, OR PAVEMENT (IMPERVIOUS INSTALLATION), WEIGHTED PINE NEEDLE WATTLES SHOULD BE USED. IF GRAVEL WEIGHTED PINE NEEDLE WATTLES ARE UNAVAILABLE, SAND OR GRAVEL BAGS AT 6' INTERVALS MAY BE USED TO WEIGH DOWN PINE NEEDLE WATTLES.
- PREPARE THE SLOPE BEFORE THE INSTALLATION PROCEDURE IS STARTED.
- DIG SMALL TRENCHES ACROSS THE SLOPE ON CONTOUR, TO PLACE WATTLES IN. THE TRENCH SHOULD BE DEEP ENOUGH TO ACCOMMODATE HALF THE THICKNESS OF THE WATTLES. WHEN THE SOIL IS LOOSE AND UNCOMPACTED, THE TRENCH SHOULD BE DEEP ENOUGH TO BURY THE WATTLE 2/3 OF ITS DIAMETER BECAUSE THE GROUND WILL SETTLE.
- INSTALL WATTLES PERPENDICULAR TO WATER MOVEMENT.
- START AT THE BOTTOM OF THE SLOPE AND WORK UP.
- CONSTRUCT TRENCH AT INTERVALS OF 10-12 FEET APART.
- USE STRAIGHT BAR TO DRIVE HOLES THROUGH THE PINE NEEDLE WATTLE AND INTO THE SOIL.
- MAKE SURE NO GAPS EXIST BETWEEN THE SOIL AND THE PINE NEEDLE WATTLE.
- DRIVE THE STAKE THROUGH THE PREPARED HOLE INTO THE SOIL. LEAVE ONLY 1 OR 2 INCHES OF STAKE EXPOSED ABOVE ROLL. INSTALL STAKES AT THE ENDS AND EVERY 4 FEET THROUGH THE ROLL. ADDITIONAL STAKES SHALL BE DRIVEN ON THE DOWNSLOPE SIDE OF THE TRENCHES ON HIGHLY EROSION OR VERY STEEP SLOPES.
- RUNOFF MUST NOT BE ALLOWED TO RUN UNDER OR AROUND WATTLE.

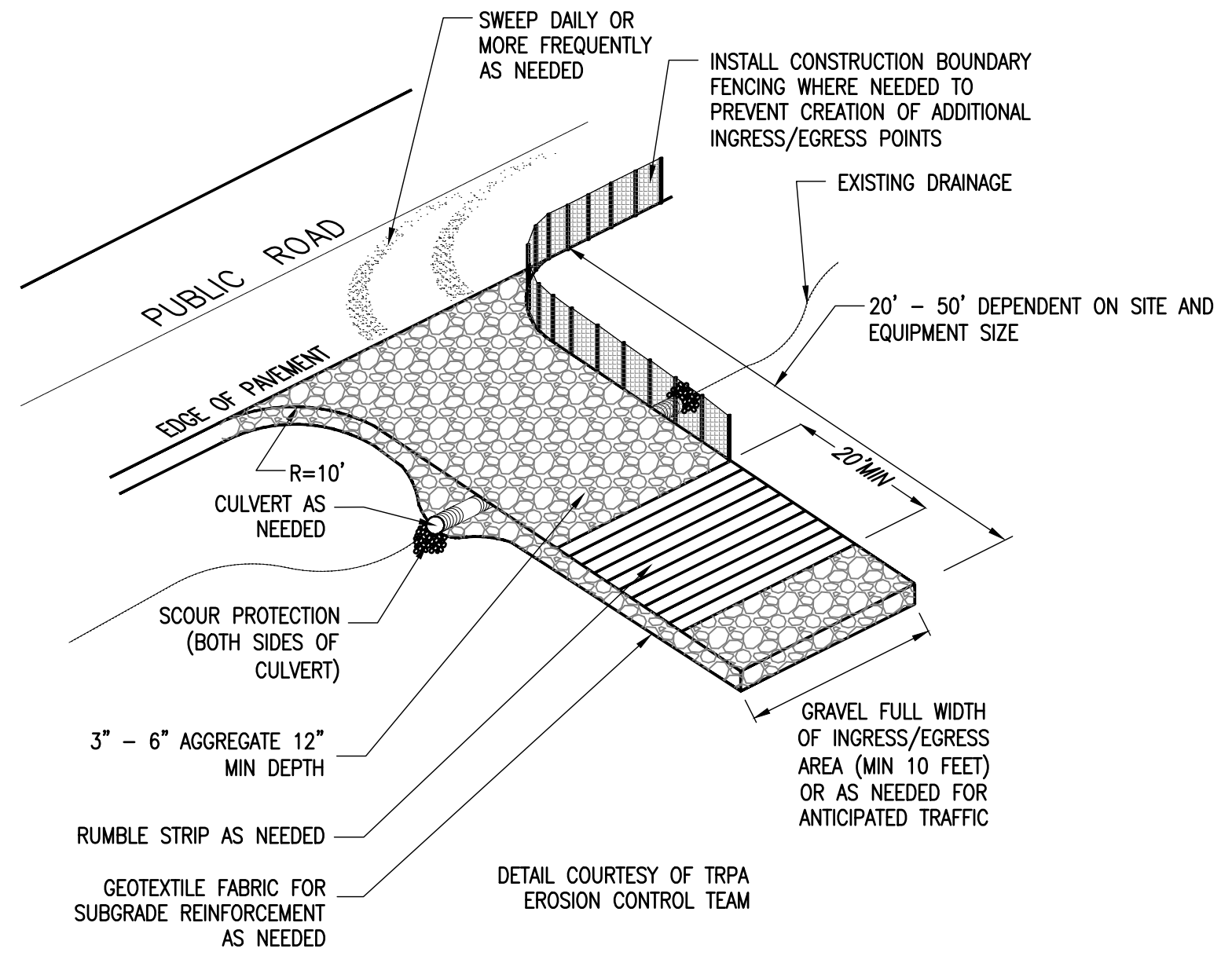


SILT FENCE NOTES:

- SITE CONSIDERATIONS
 - DO NOT USE IN STREAMS, CHANNELS, DRAIN INLETS, OR ANYWHERE FLOW IS CONCENTRATED. DO NOT USE TO DIVERT FLOW.
 - MAXIMUM SLOPE LENGTH BEHIND FENCE LINE SHOULD NOT BE LONGER THAN 200'.
 - MAXIMUM SLOPE STEEPNESS BEHIND FENCE LINE SHOULD NOT BE STEEPER THAN 1:1.
 - WHERE POSSIBLE, MINIMUM LENGTH FROM TOE OF SLOPE TO FENCE SHOULD BE 6'-8'
- FABRIC
 - SILT FENCE FABRIC SHOULD BE WOVEN POLYPROPYLENE WITH A MINIMUM WIDTH OF 48" AND A MINIMUM TENSILE STRENGTH OF 100 LB FORCE.
 - THE FABRIC SHOULD CONFORM TO THE REQUIREMENTS IN ASTM DESIGNATION D4632 AND SHOULD HAVE AN INTEGRAL REINFORCEMENT LAYER. THE REINFORCEMENT LAYER SHOULD BE A POLYPROPYLENE, OR EQUIVALENT, NET PROVIDED BY THE MANUFACTURER.
 - THE PERMITTIVITY OF THE FABRIC SHOULD BE BETWEEN 0.1 SEC-1 AND 0.15 SEC-1 IN CONFORMANCE WITH THE REQUIREMENTS IN THE ASTM DESIGNATION D4491.
- POSTS AND STAPLES OR WIRE
 - POST SHALL BE A MINIMUM OF 2" X 2" WOOD STAKES OF COMMERCIAL QUALITY LUMBER OR EQUIVALENT STRENGTH METAL T-POST OR GREATER.
 - STAPLES USED TO FASTEN THE FENCE FABRIC TO THE STAKES SHOULD NOT BE LESS THAN 1.75" LONG AND SHOULD BE FABRICATED FROM 15 GAUGE OR HEAVIER WIRE. PLASTIC WIRE TIES AND/OR STEEL BAILING WIRE (9 GAUGE OR HEAVIER) MAY BE SUBSTITUTED. NOT LESS THAN 4 STAPLES/TIES SHALL BE USED IN EACH STAKE.
- INSTALLATION
 - EXCAVATE TRENCH A MINIMUM OF 6" X 6" ALONG THE ENTIRE LENGTH OF THE FENCE LINE.
 - STAKES SHALL BE SPACED AT 6'-0" MAXIMUM AND SHALL BE POSITIONED ON DOWNSTREAM SIDE OF FENCE.
 - THE LAST 8' OF FENCE SHALL BE TURNED UPSLOPE.
 - CONNECTION/JOINING OF SILT FENCES SHALL BE COMPLETED BY TIGHTLY OVERLAPPING THE ENDS OF THE ROLLS A MINIMUM OF 12" OR BY OVERLAPPING THE END POSTS AND SECURING THE TWO POSTS TOGETHER TIGHTLY.
 - BOTTOM OF SILT FENCE SHOULD BE KEYS IN 12".
 - DO NOT INSTALL PERPENDICULAR TO ANY SLOPE OR ANY CONTOUR LINE.
- MAINTENANCE
 - SILT FENCES SHOULD BE LEFT IN PLACE, REGULARLY INSPECTED, AND MAINTAINED UNTIL THE UPSTREAM AREA IS PERMANENTLY STABILIZED.
 - SEDIMENT SHOULD BE REMOVED BEFORE THE SEDIMENT ACCUMULATION REACHES ONE-THIRD OF THE BARRIER HEIGHT.

3 SILT FENCE
26 NTS

1 TREE PROTECTION FENCING
26 NTS



NOTES:

- A STABILIZED CONSTRUCTION ENTRANCE SHALL BE USED AT ALL POINTS OF CONSTRUCTION INGRESS AND EGRESS.
- THE AGGREGATE SHALL BE 3" - 6" CRUSHED ROCK.
- THE ENTRANCE SHALL BE PROPERLY GRADED TO PREVENT RUNOFF FROM LEAVING THE CONSTRUCTION SITE.
- THE ENTRANCE SHALL BE CONSTRUCTED ON LEVEL GROUND, WHERE FEASIBLE, AND LOCATED WHERE PERMANENT DRIVEWAY OR PARKING AREAS ARE PLANNED.
- TOP DRESSING WITH ADDITIONAL STONE SHALL BE PROVIDED WHEN SURFACE VOIDS ARE NO LONGER VISIBLE OR WHEN THERE IS FREQUENT OFF-SITE TRACKING. FREQUENT OFF-SITE TRACKING MAY INDICATE THE NEED FOR GRAVEL REPLACEMENT.
- CONTRACTOR TO MAINTAIN CONSTRUCTION ENTRANCE AT ALL TIMES.
- ALL SEDIMENT DEPOSITS ON PAVED ROADWAYS SHALL BE SWEEPED AND REMOVED DAILY OR MORE FREQUENTLY AS NEEDED.
- LIMIT CONSTRUCTION TRAFFIC DURING WET WEATHER OR WHEN THE SITE IS SATURATED, MUDDY OR COVERED IN SNOW.
- LIMIT SPEEDS OF INGRESS/EGRESS VEHICLES TO 5 MPH OR LESS.
- GEOTEXTILE & ROCK SHALL BE REMOVED AT COMPLETION OF CONSTRUCTION.
- ALL AREAS DISTURBED BY THE CONTRACTOR AND NOT OTHERWISE STABILIZE SHALL BE RESTORED WITH VEGETATION TO THE SATISFACTION OF THE ENGINEER.

4 CONSTRUCTION ENTRANCE
26 NTS

2 PINE NEEDLE WATTLE
26 NTS

DATE:	
APPROVED BY:	
DESCRIPTION AND SHEET NO.:	
REVISION #	
DESIGNED BY: KH	DATE: 11-30-21
DRAWN BY: KH	DATE: 11-30-21
CHECKED BY: FH	DATE: 11-15-21



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(530) 581-6238

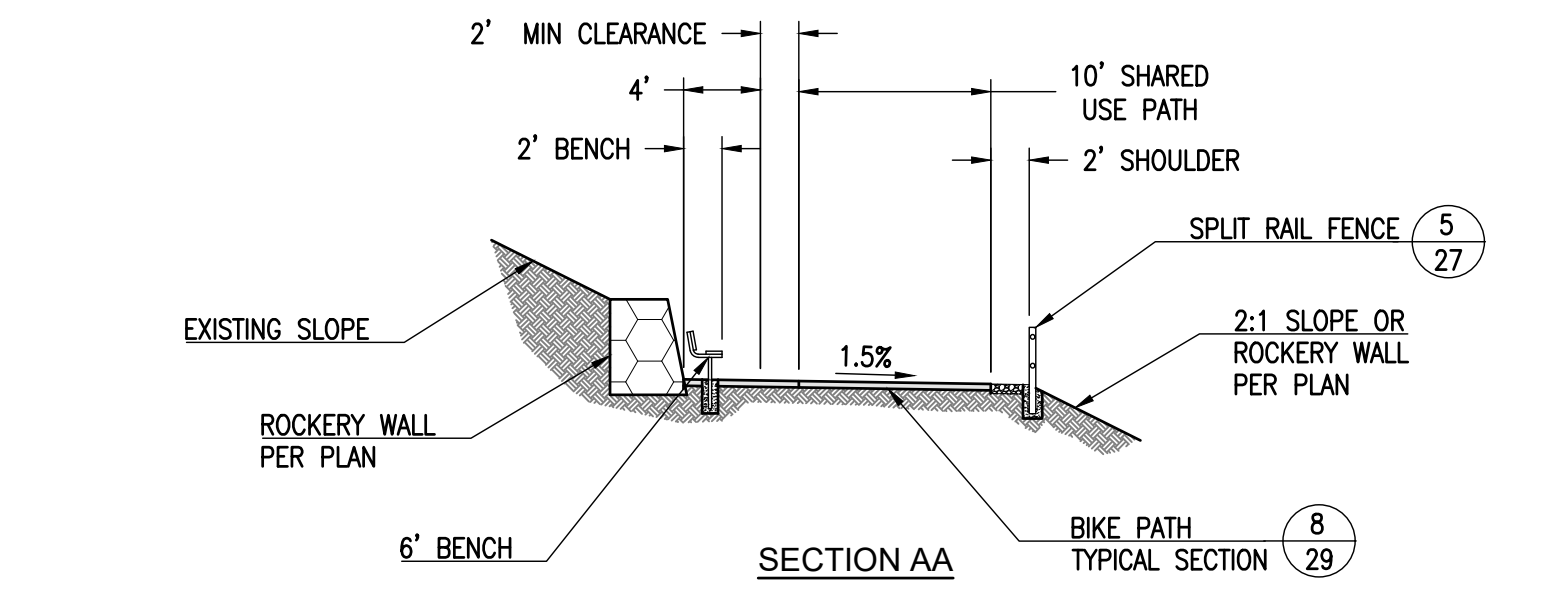
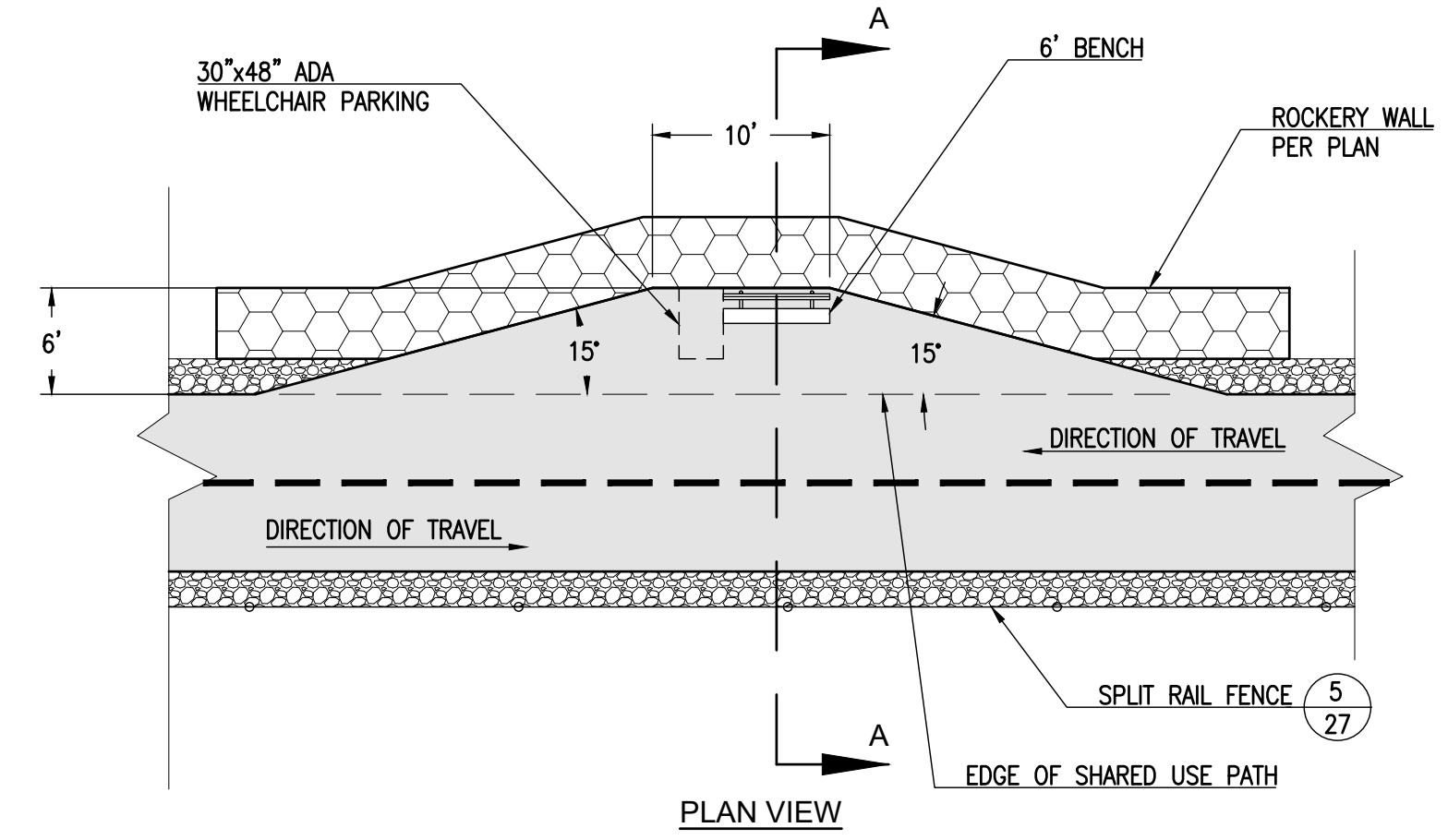
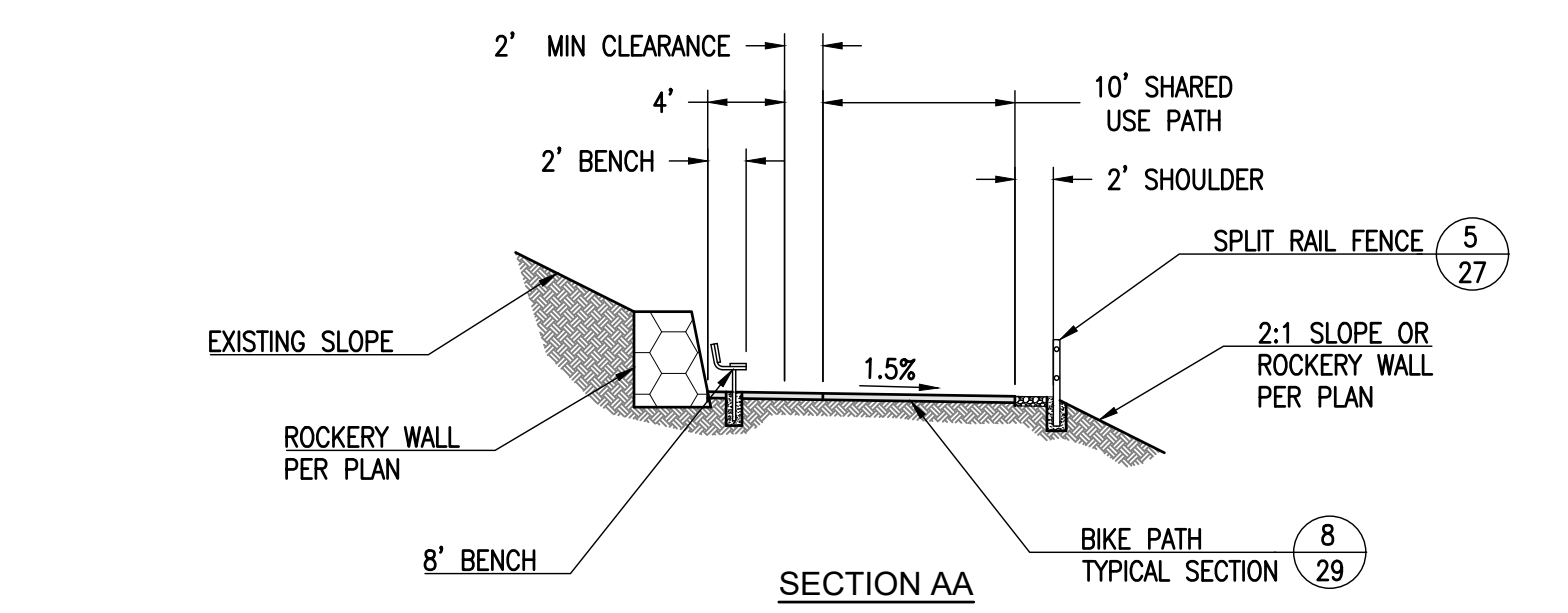
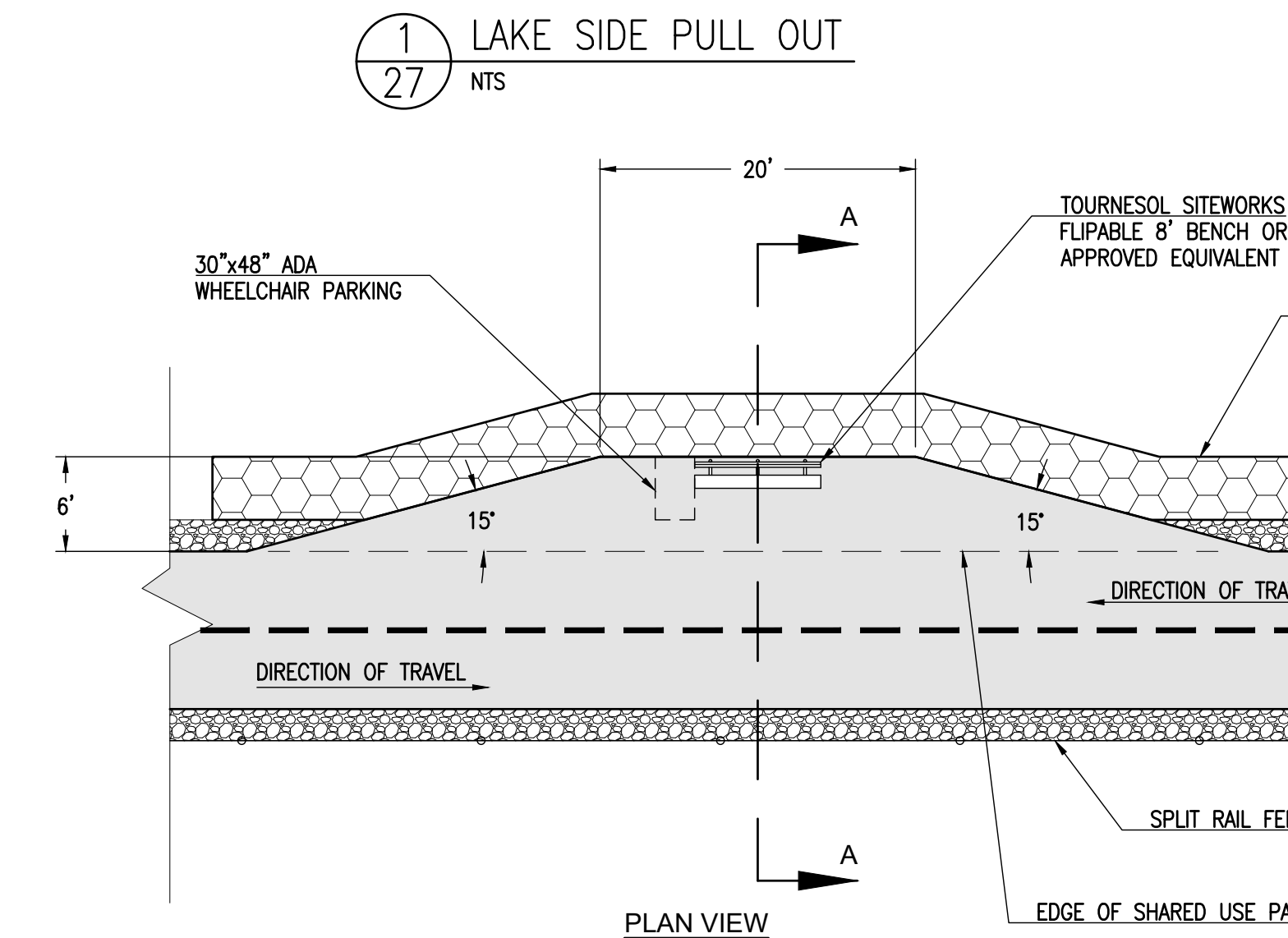
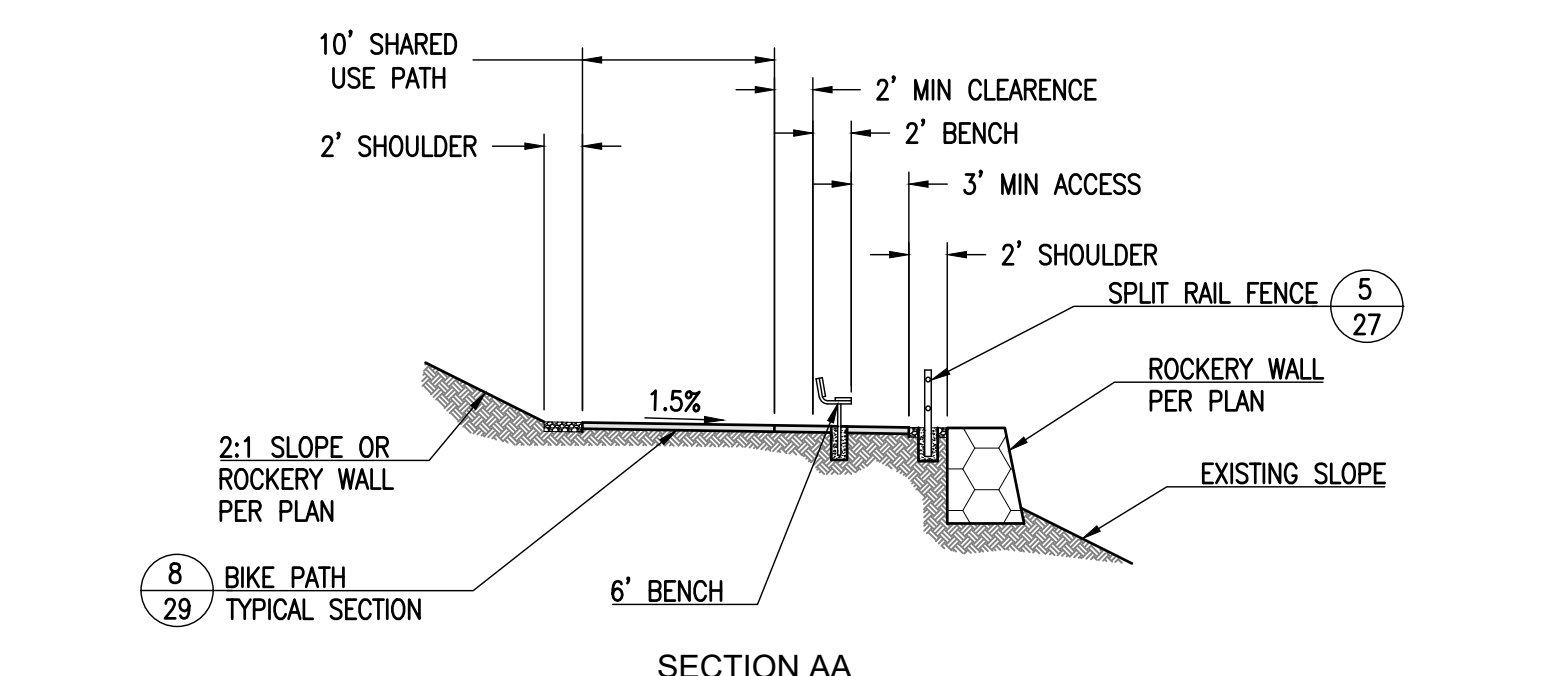
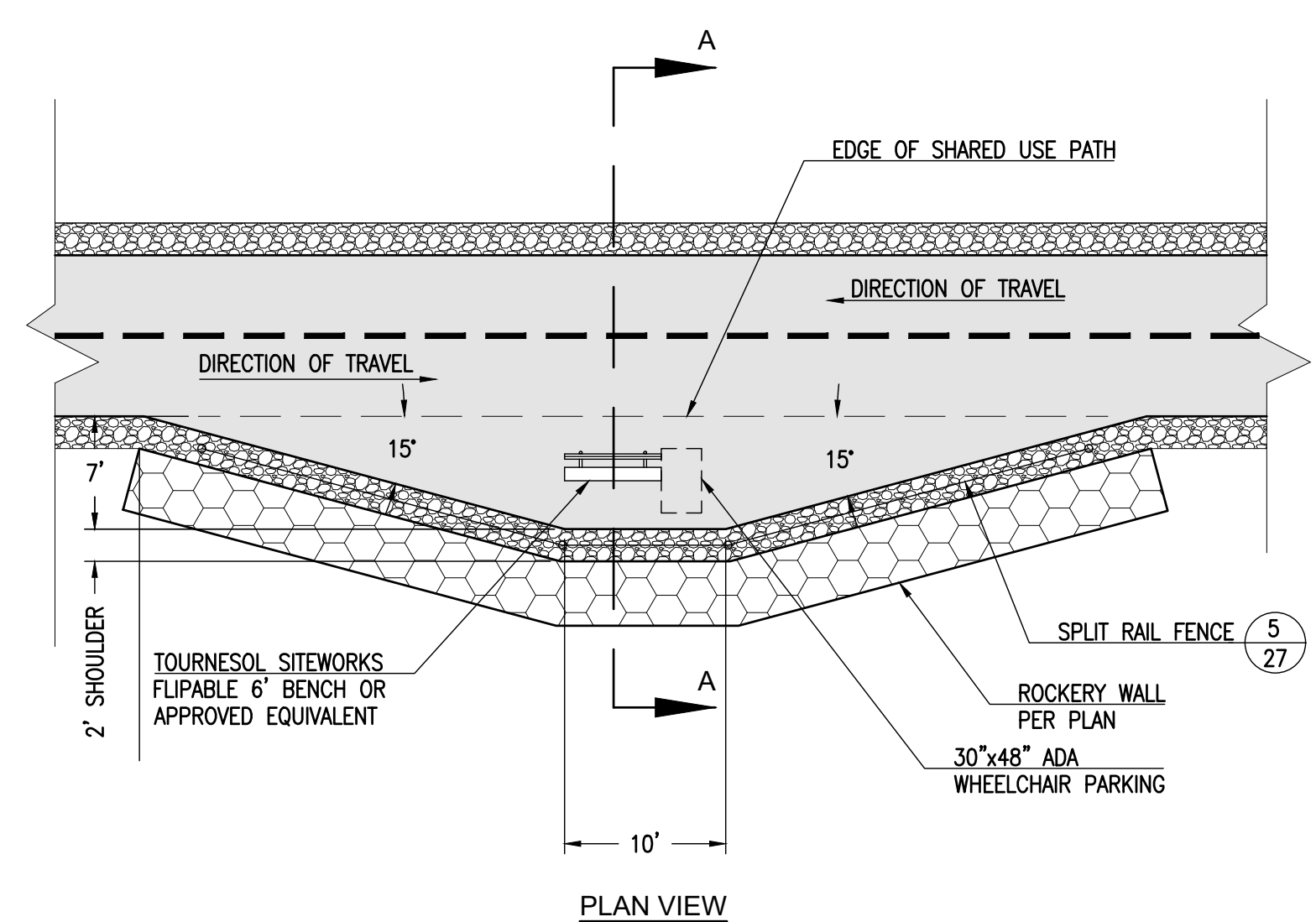
COUNTY OF PLACER
DEPARTMENT OF PUBLIC WORKS
TAHOE ENGINEERING DIVISION

NORTH TAHOE SHARED USE TRAIL
BMP DETAILS

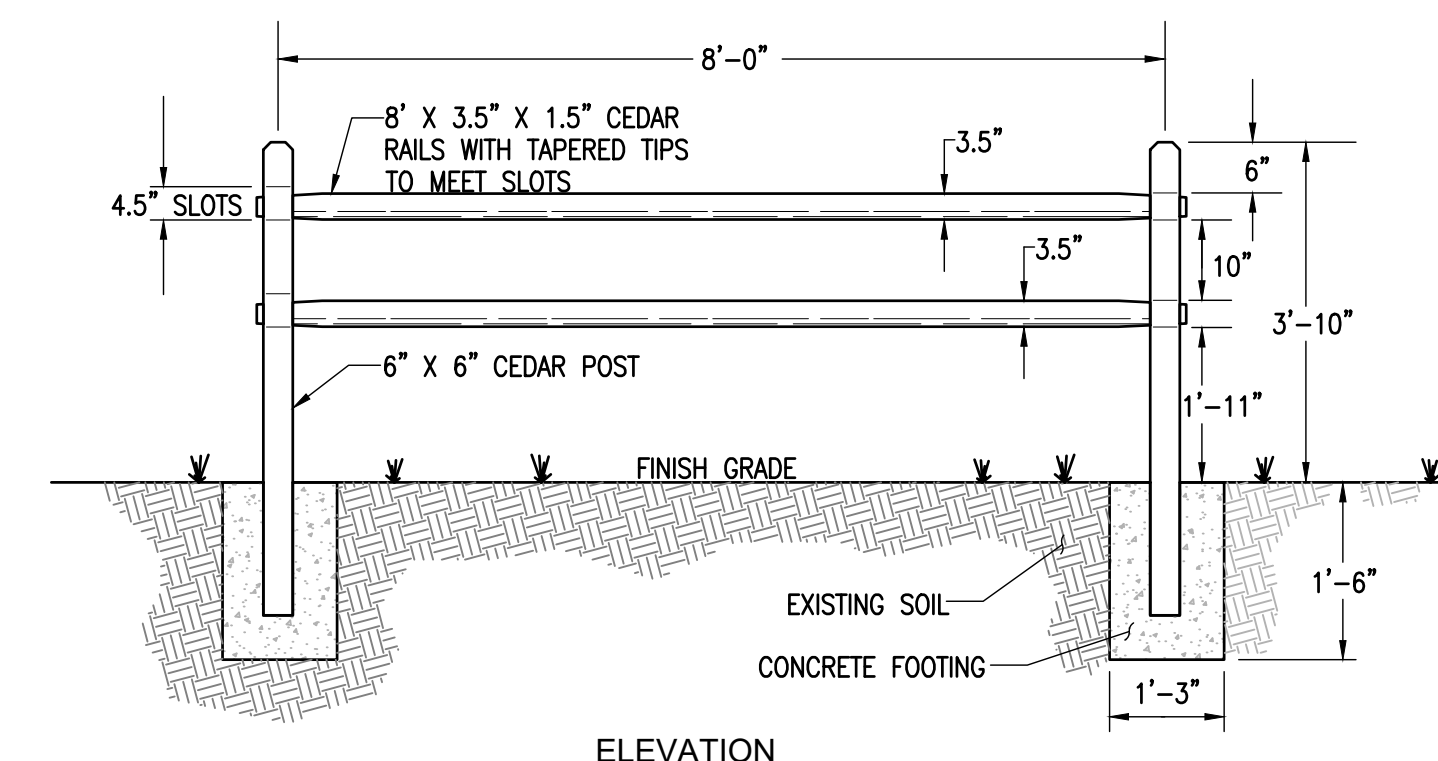
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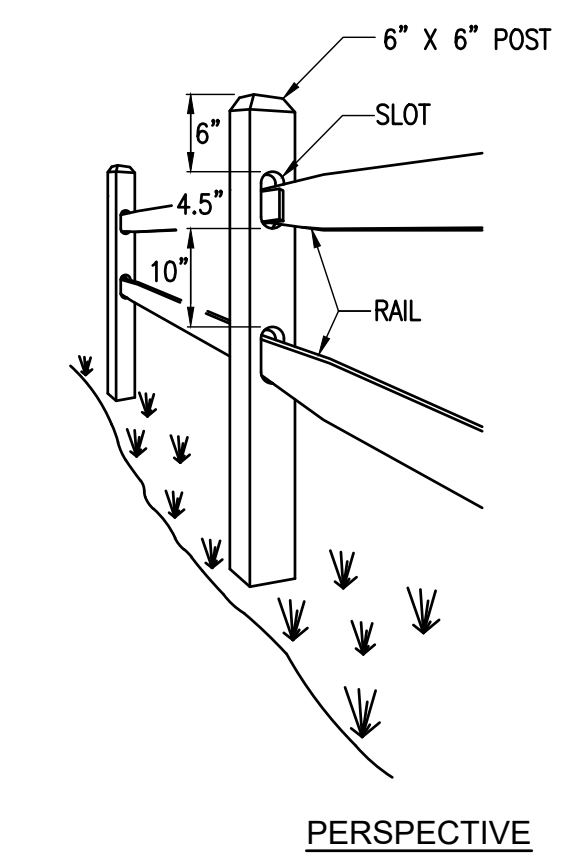
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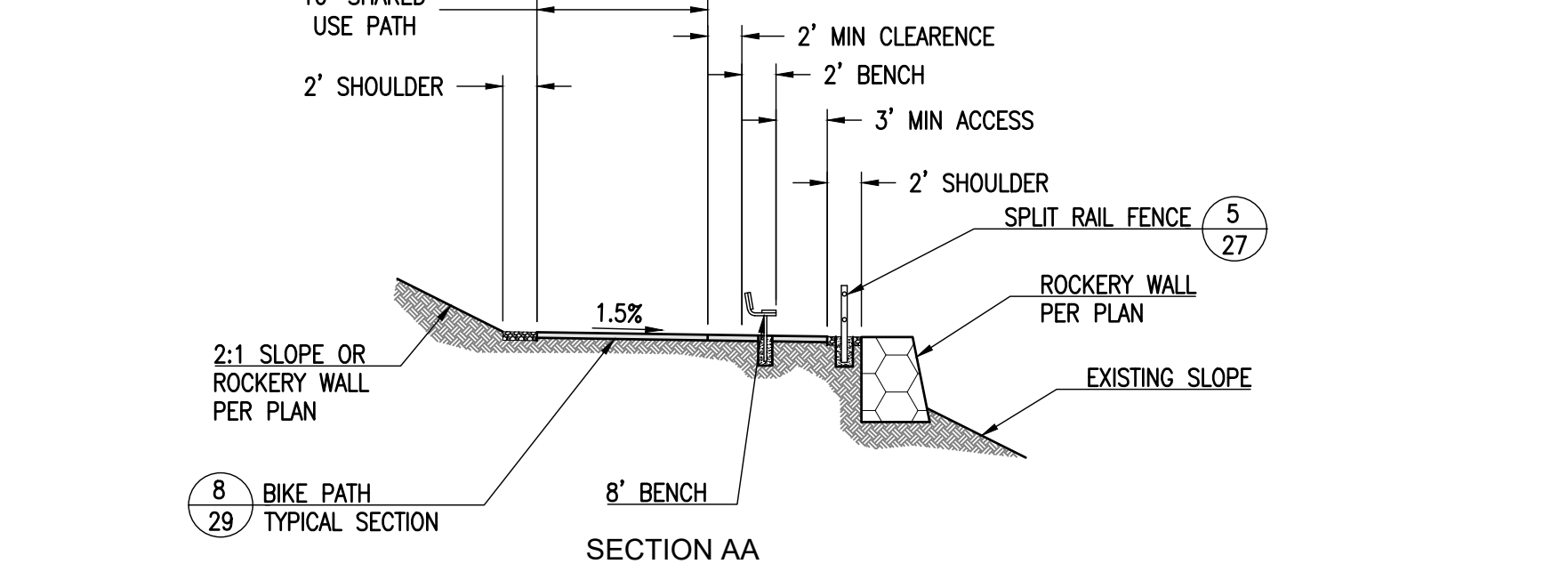
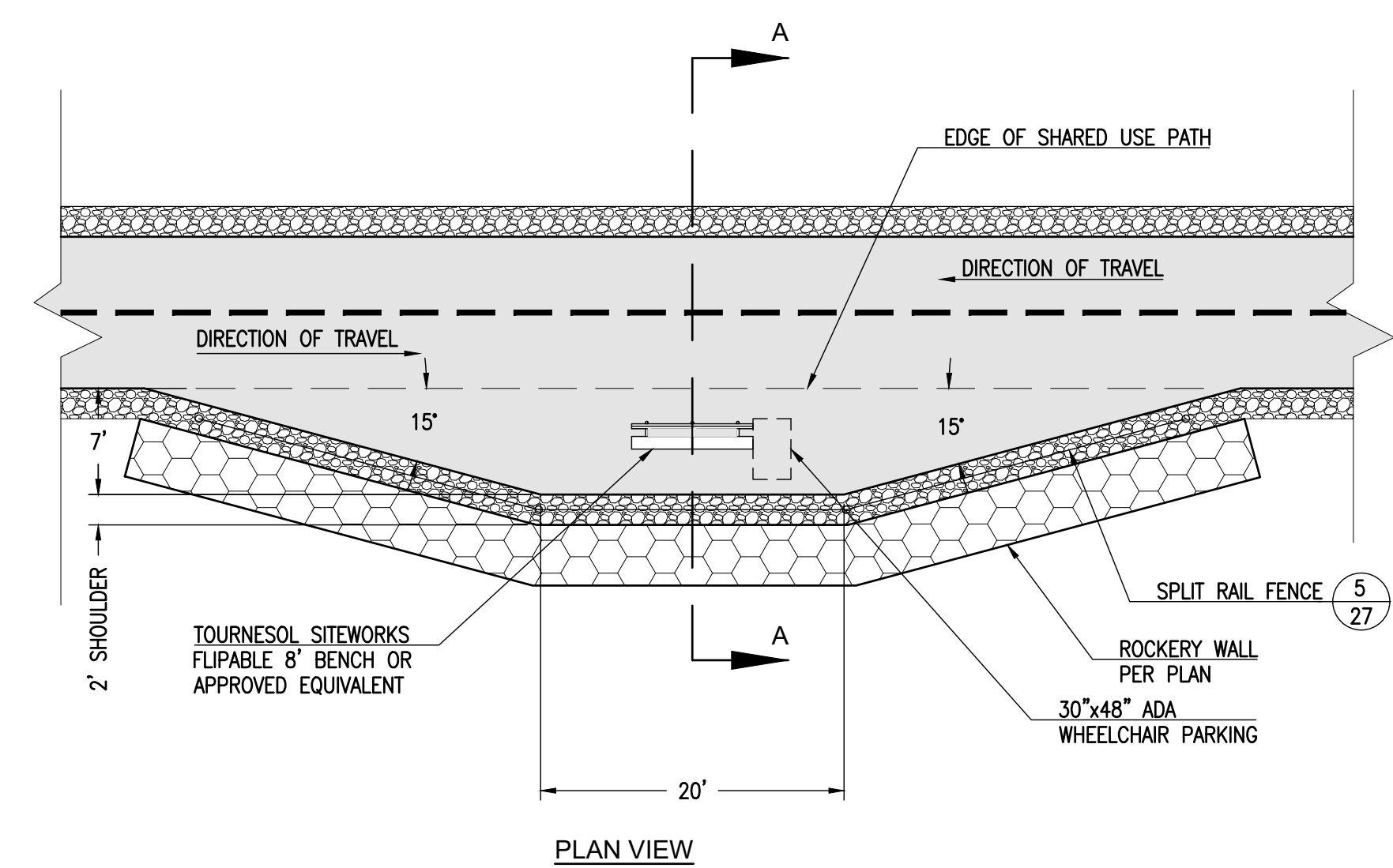
2 SLOPE SIDE PULL OUT
NTS



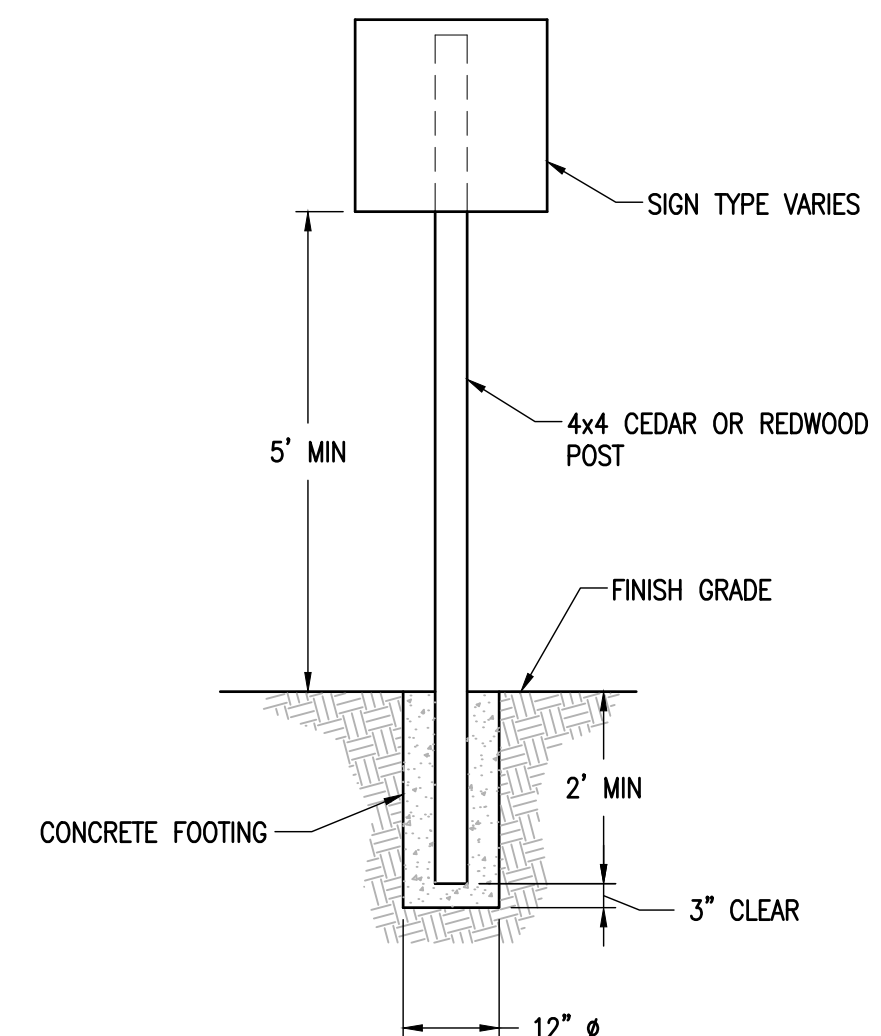
NOTES
1. ALL DIMENSIONS ARE APPROXIMATE.



5 SPLIT RAIL FENCE
NTS



3 LAKE SIDE LOOKOUT
NTS



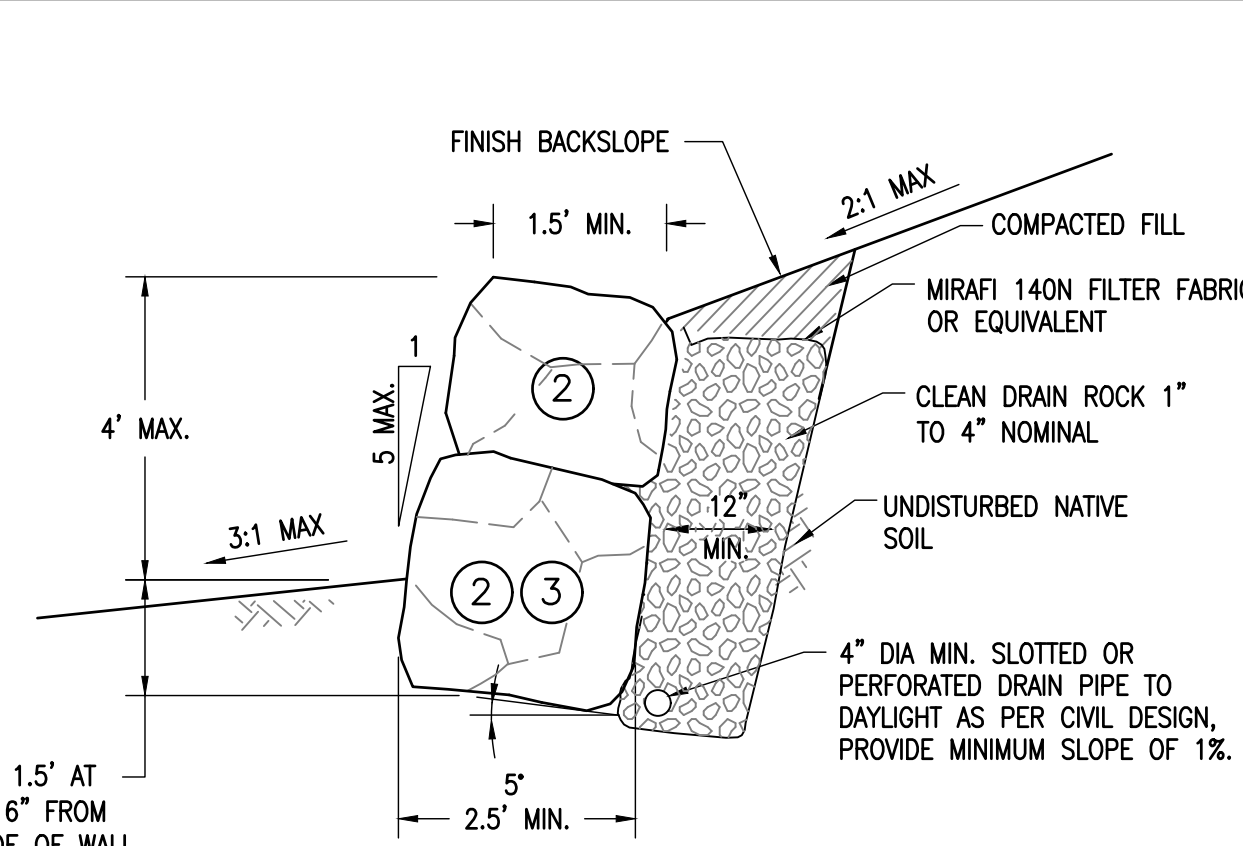
NOTES
1. NO PORTION OF SIGN OR ITS SUPPORT SHALL BE PLACED WITHIN 2' Laterally OF THE EDGE OF THE TRAIL PAVEMENT.

6 DIRECTIONAL SIGN POST
NTS

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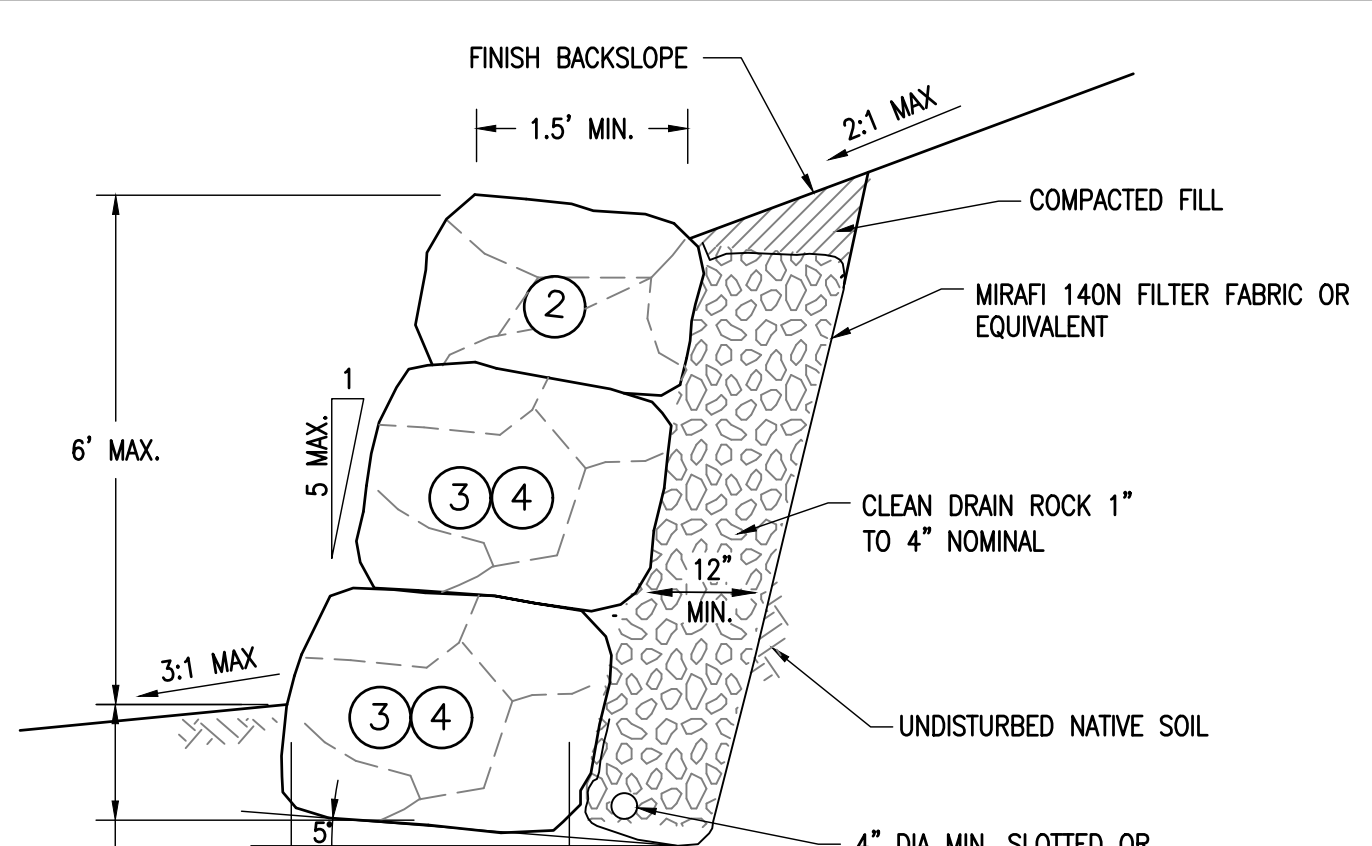


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APPROVED BY:	
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REVISION #	
DESIGNED BY: KH	DATE: 11-30-21
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P.O. BOX 336 7717 NORTH LAKE BOULEVARD (SR 28) KINGS BEACH, CA 96143 (530) 581-6238	
COUNTY OF PLACER DEPARTMENT OF PUBLIC WORKS TAHOE ENGINEERING DIVISION	
NORTH TAHOE SHARED USE TRAIL DETAILS 1	
PROJECT NO.	#
SHEET NO.	27 OF 29



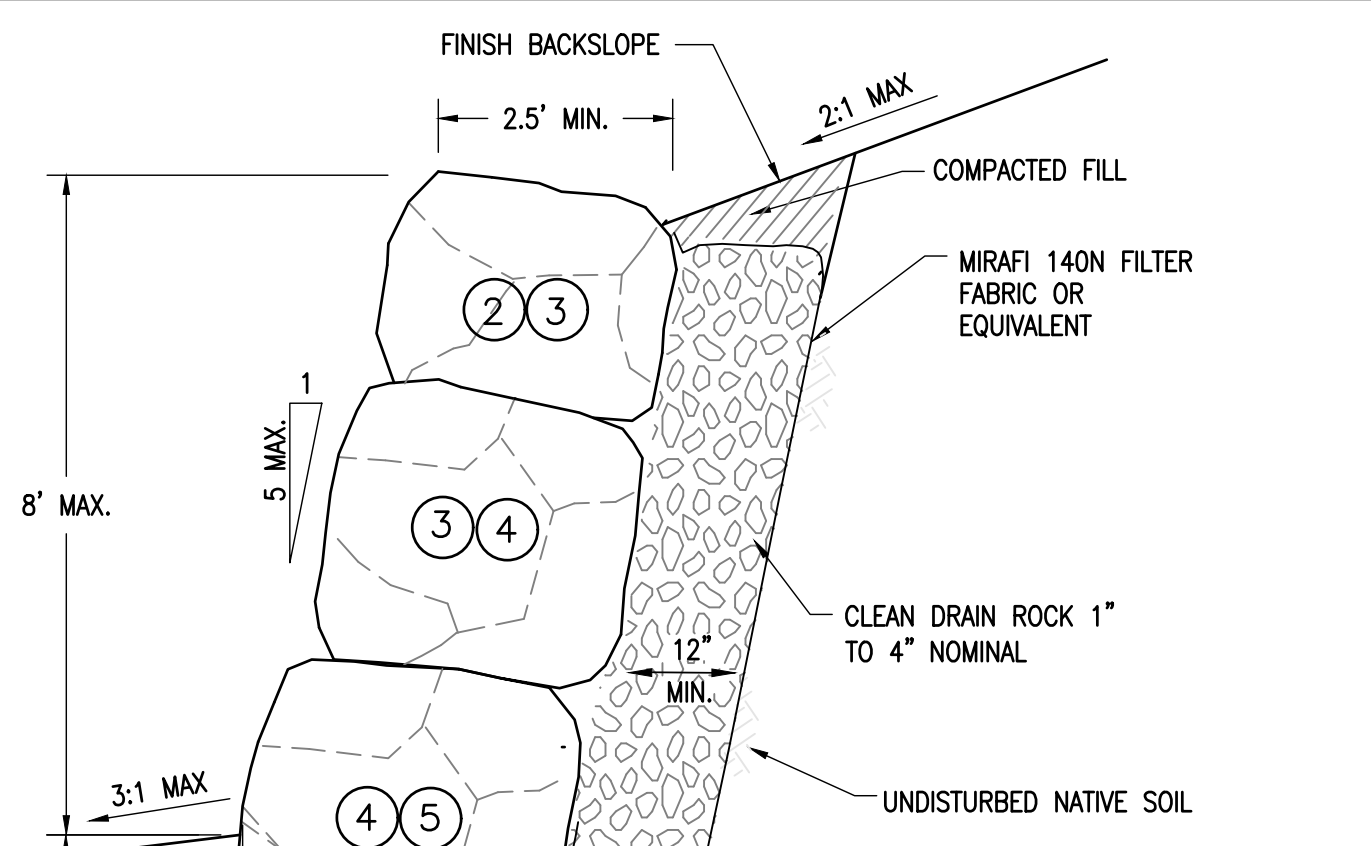
UNLESS OTHERWISE SPECIFIED IN WRITING BY THE ROCKERY "DESIGNER," ALL ROCKS PLACED ON LOWER ONE-THIRD TO ONE-HALF OF THE WALL SHALL BE 700 LBS OR LARGER. ROCKS PLACED ABOVE THIS LEVEL SHALL GRADUALLY DECREASE IN SIZE WITH INCREASING WALL HEIGHT.

1 4' ROCK WALL
28 NTS



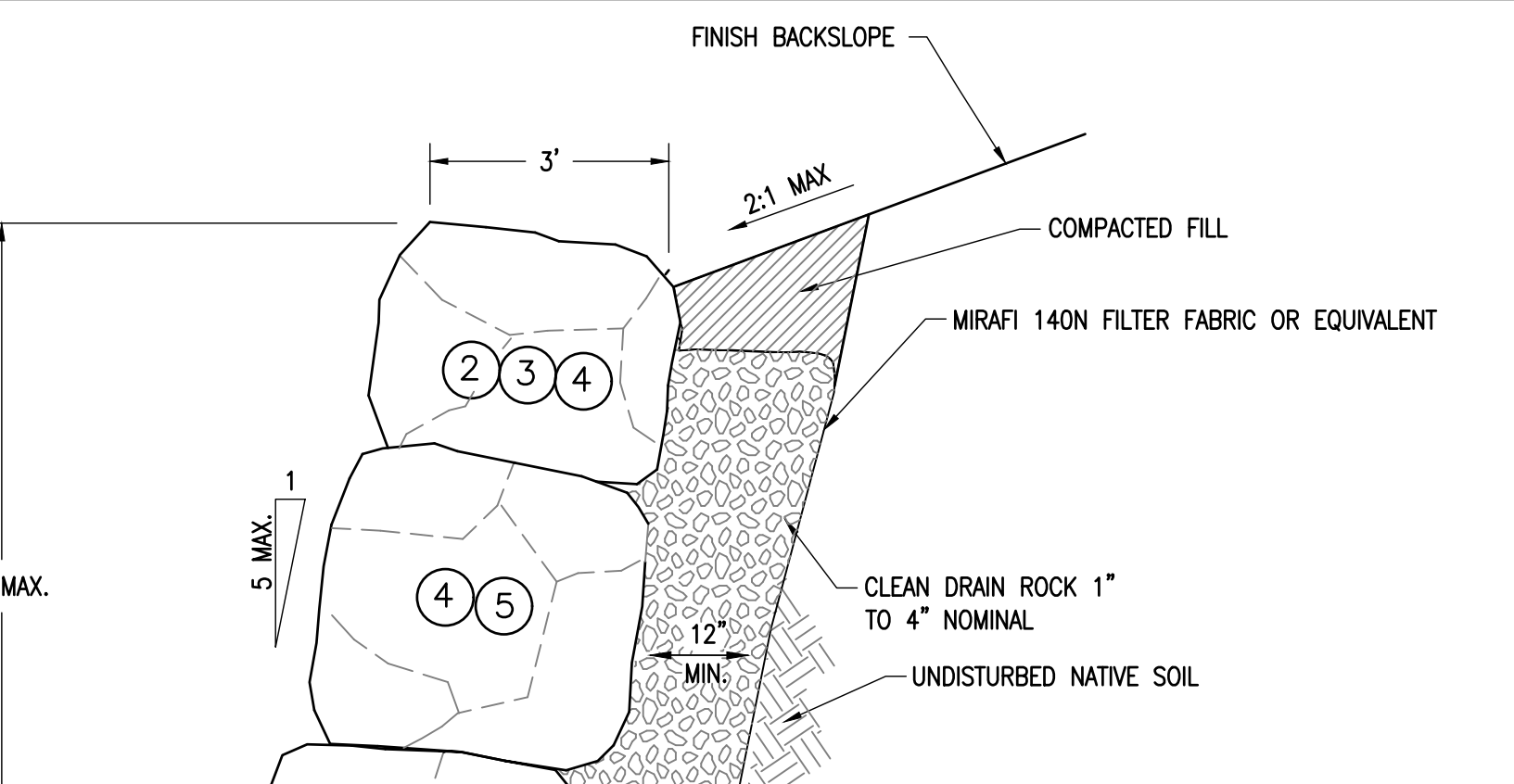
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2 6' ROCK WALL
28 NTS



UNLESS OTHERWISE SPECIFIED IN WRITING BY THE ROCKERY "DESIGNER," ALL ROCKS PLACED ON LOWER ONE-THIRD TO ONE-HALF OF THE WALL SHALL BE 2000 LBS OR LARGER. ROCKS PLACED ABOVE THIS LEVEL SHALL GRADUALLY DECREASE IN SIZE WITH INCREASING WALL HEIGHT.

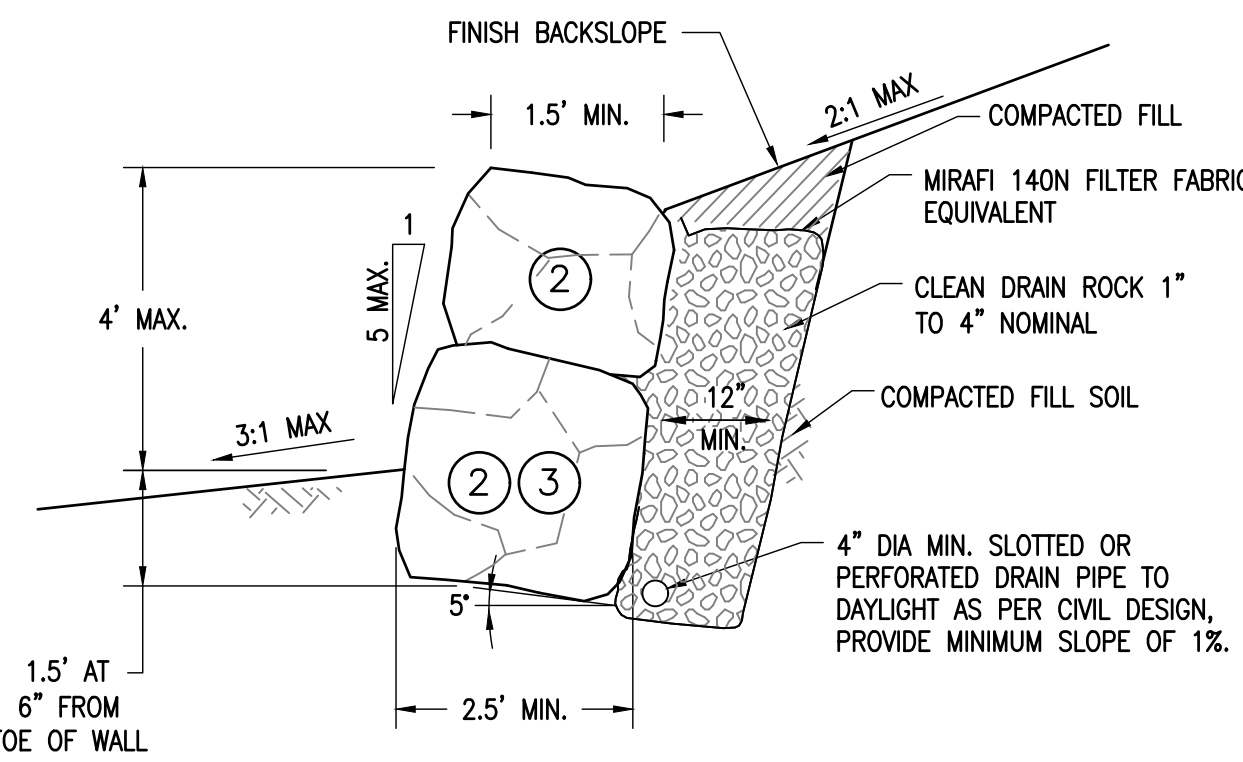
3 8' ROCK WALL
28 NTS



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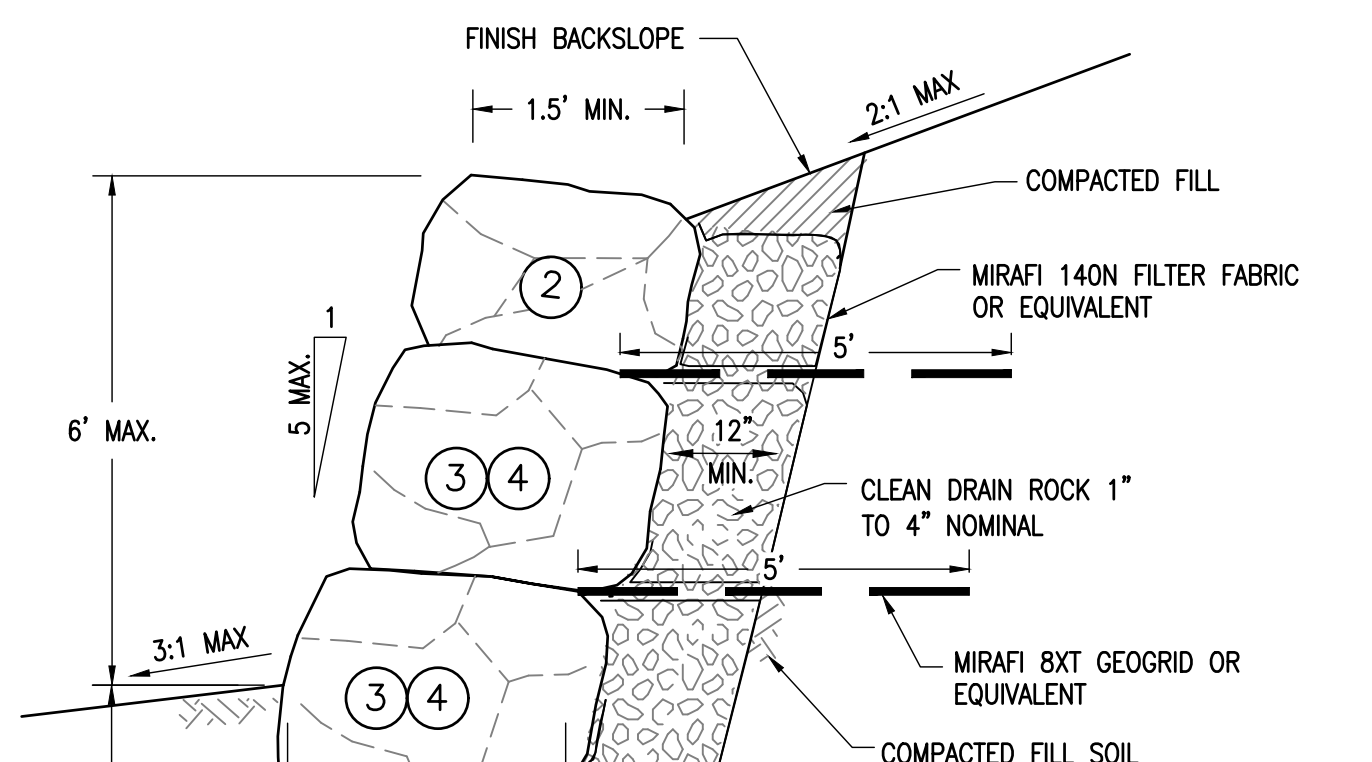
4 10' ROCK WALL
28 NTS

ROCKERY WALL DETAILS AGAINST CUT SLOPES



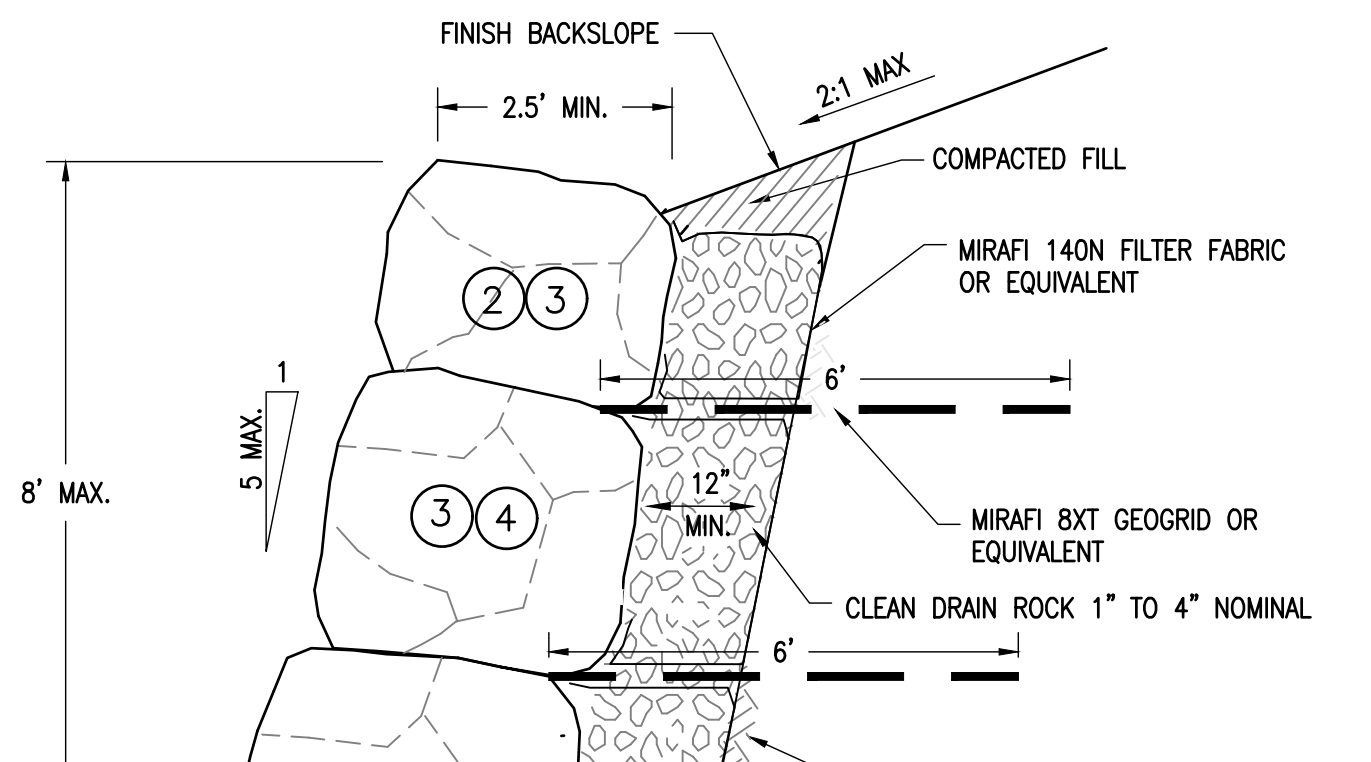
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5 4' ROCK WALL
28 NTS



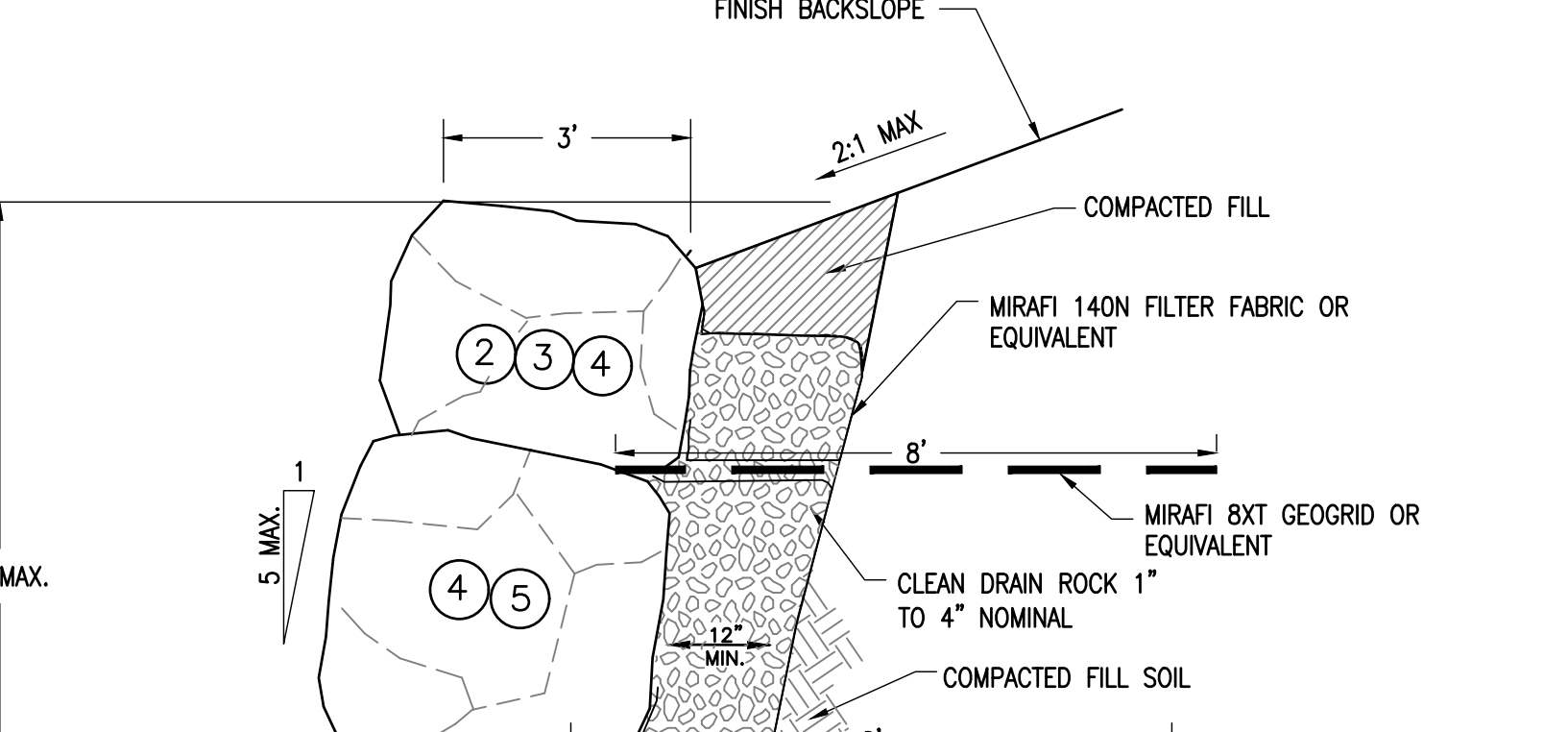
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6 6' ROCK WALL
28 NTS



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7 8' ROCK WALL
28 NTS



UNLESS OTHERWISE SPECIFIED IN WRITING BY THE ROCKERY "DESIGNER," ALL ROCKS PLACED ON LOWER ONE-THIRD TO ONE-HALF OF THE WALL SHALL BE 2000 LBS OR LARGER. ROCKS PLACED ABOVE THIS LEVEL SHALL GRADUALLY DECREASE IN SIZE WITH INCREASING WALL HEIGHT.

8 10' ROCK WALL
28 NTS

ROCKERY WALL DETAILS AGAINST FILL SLOPES

SIZE	MIN. WT. (LBS)	MIN. DIA. (INCH)
2	200	18
3	700	30
4	2000	36
5	4000	48
6	6000	54

- NOTES:
- ROCKS SHALL BE PLACED IN SUCH A MANNER SO AS TO AVOID CONTINUOUS JOINT PLANES IN EITHER VERTICAL OR LATERAL DIRECTIONS.
 - HORIZONTAL BOULDER CONTACT SURFACES SHOULD SLOPE TOWARD THE SLOPE BEING SUPPORTED.
 - EACH ROCK SHALL BEAR ON TWO OR MORE ROCKS BELOW IT, WITH AT LEAST THREE POINT, COMPETENT AND STABLE CONTACTS.
 - THE ROCKS USED SHALL BE OF NON-FRACTURED COMPETENT BEDROCK, SUCH AS BASALT AND GRANITE, AND ANGULAR TO SUB-ROUNDED IN SHAPE. ROUNDED BOULDERS MAY BE RESHAPED BY SPLITTING. BOULDERS WITH VISIBLE CRACKS SHALL NOT BE USED. ALL BOULDERS SHALL HAVE A MINIMUM SPECIFIC GRAVITY OF 2.5.
 - PLACE LONG DIMENSION OF ROCK PERPENDICULAR TO FACE OF WALL TO PROVIDE MAXIMUM STABILITY.
 - THE SLOPES ABOVE AND BEHIND THE ROCKERY WALLS MAY VARY BUT SHALL HAVE A MAXIMUM INCLINATION OF 2H:1V.
 - DRAINAGE MATERIALS SHOULD CONSIST OF CLEAN, ANGULAR, WELL-GRADED CRUSHED STONE OR QUARRY SPALLS (MAX. 4" DIAM.) OR OTHER MATERIAL APPROVED BY THE SOILS ENGINEER.
 - THE BATTER ON THE FACE OF THE WALL SHALL BE 1:5 (HORIZONTAL:VERTICAL) OR FLATTER.
 - FILL SHALL BE MOISTURE CONDITIONED AND COMPACTED TO 90% RELATIVE COMPACTION ACCORDING TO ASTM TEST METHOD D-1557-91. DRAIN ROCK SHALL BE PLACED IN LIFTS OF 12 INCHES OR LESS, SPREAD AND COMPACTED WITH THE EXCAVATOR BUCKET OR GRAPPLE TO MINIMIZE VOIDS.

- NOTES: (CONTINUED)
- DETAILS ARE SCHEMATIC AND REPRESENT TYPICAL BLOCK SIZES AT VARIOUS INTERVAL. THE NOTE BELOW THE DETAILS SHALL ADHERE TO THE MAXIMUM EXTENT POSSIBLE.
 - THE ROCK SIZES CAN VARY WITHIN THE RANGES INDICATED SO LONG AS THE OTHER CONSTRUCTION NOTES ADHERED TO.
 - VOIDS BETWEEN THE STONES SHALL BE MINIMIZED.
 - AT LEAST 25 PERCENT OF THE STONES SHALL EXTEND TO THE ENTIRE WIDTH OF THE WALL.
 - MIRAFIX 8XT GEOGRID OR EQUIVALENT SHALL BE PLACED AT THE LOCATIONS SPECIFIED IN THE WALL DETAILS.
 - FILL PLACED ON SLOPES STEEPER THAN 5 HORIZONTAL TO 1 VERTICAL SHALL BE KEYED AND BENCHED INTO FIRM, NATIVE SOILS OR ROCK. IN GENERAL, KEYWAYS SHALL EXTEND INTO FIRM, UNDISTURBED SOIL AND/OR ROCK, BE A MINIMUM OF 8 FEET WIDE, 2 TO 4 FEET DEEP, AND EXTEND THE FULL LENGTH OF THE SLOPE. BENCHING CAN BE CONDUCTED SIMULTANEOUSLY WITH PLACEMENT OF FILL. BENCHING METHODS AND DETAILS PRESENTED IN INTERNATIONAL BUILDING CODE (2003), APPENDIX J, FIGURE J107.3, SHALL BE IMPLEMENTED. THE SOILS ENGINEER SHALL CHECK THE METHOD AND EXTENT OF BENCHING.

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ANGELA DENISE HUETTE
No. C 82432
EXP. 09/30/2022
CIVIL
STATE OF CALIFORNIA

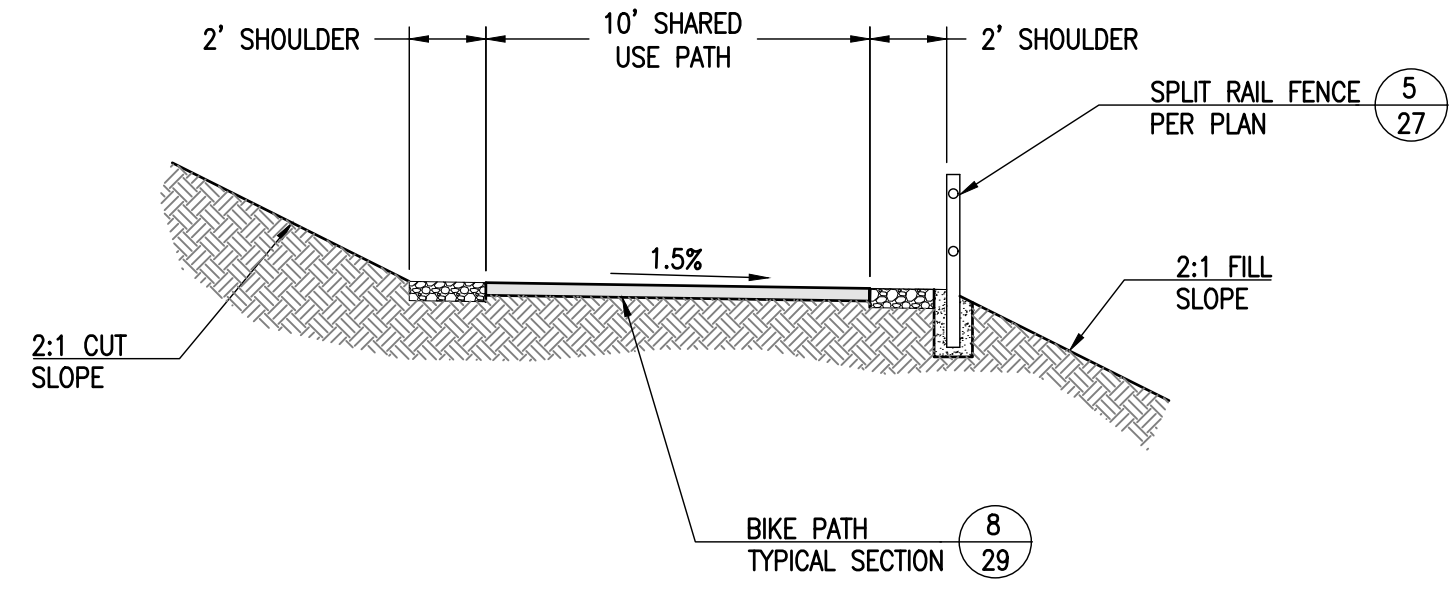
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DEPARTMENT OF PUBLIC WORKS
TAHOE ENGINEERING DIVISION

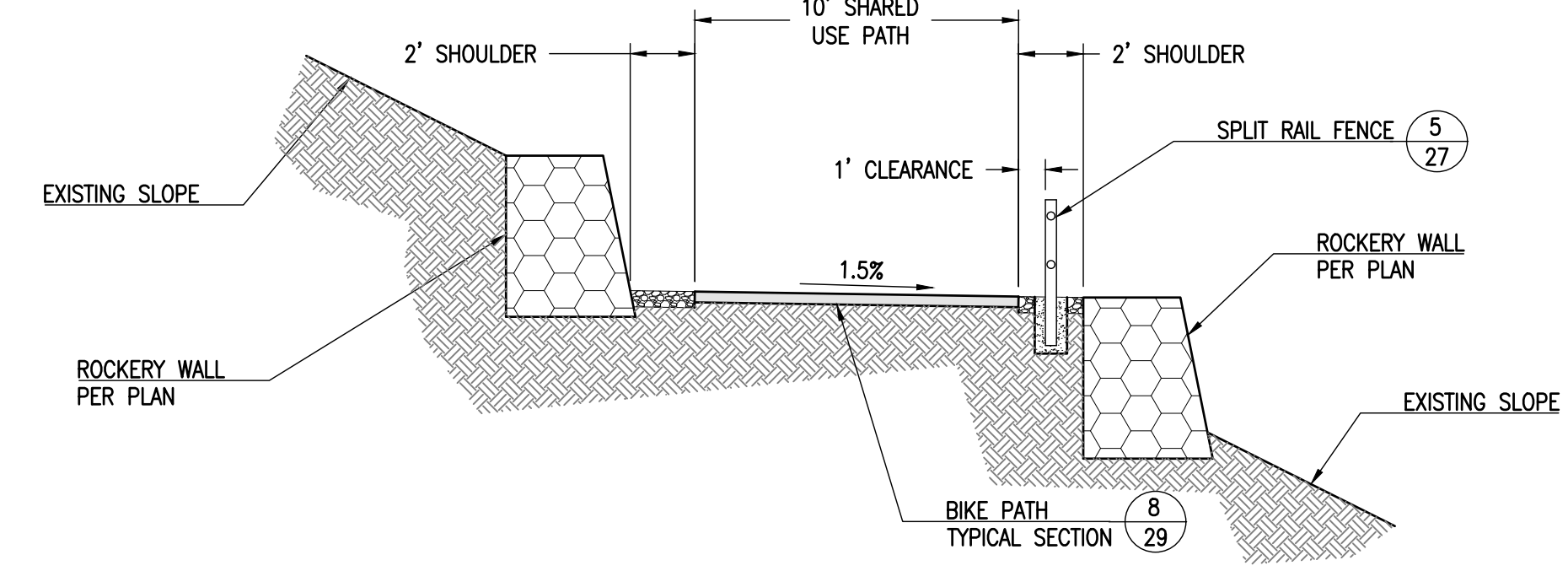
NORTH TAHOE SHARED USE TRAIL
DETAILS 2

COUNTY OF PLACER
PROJECT NO. #
SHEET NO. 28 OF 29

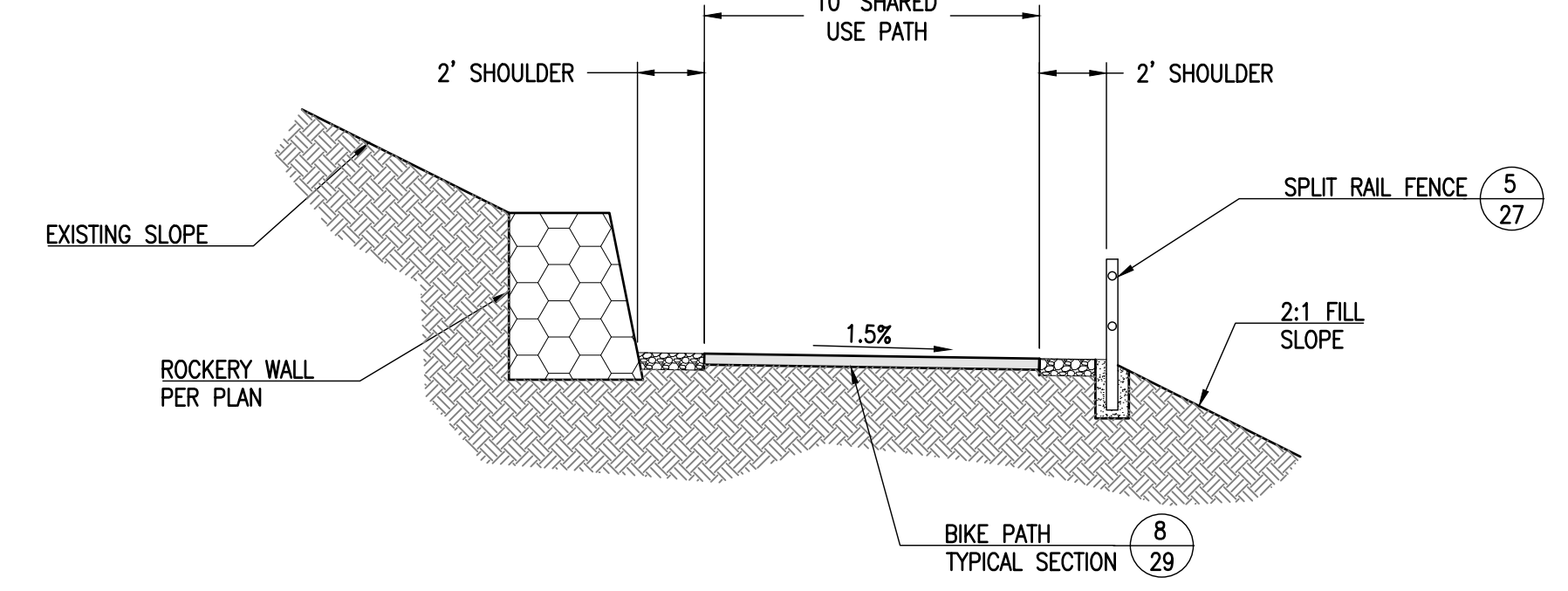
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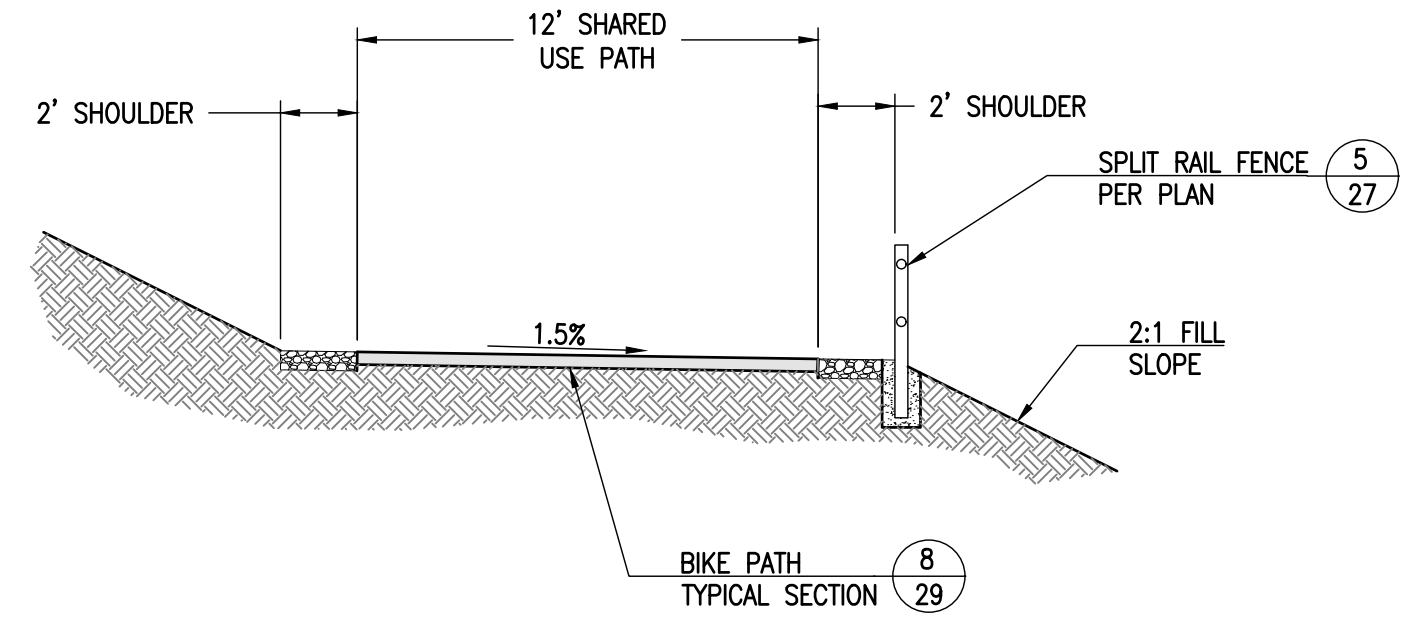
1 PATH CROSS SECTION
29 NTS



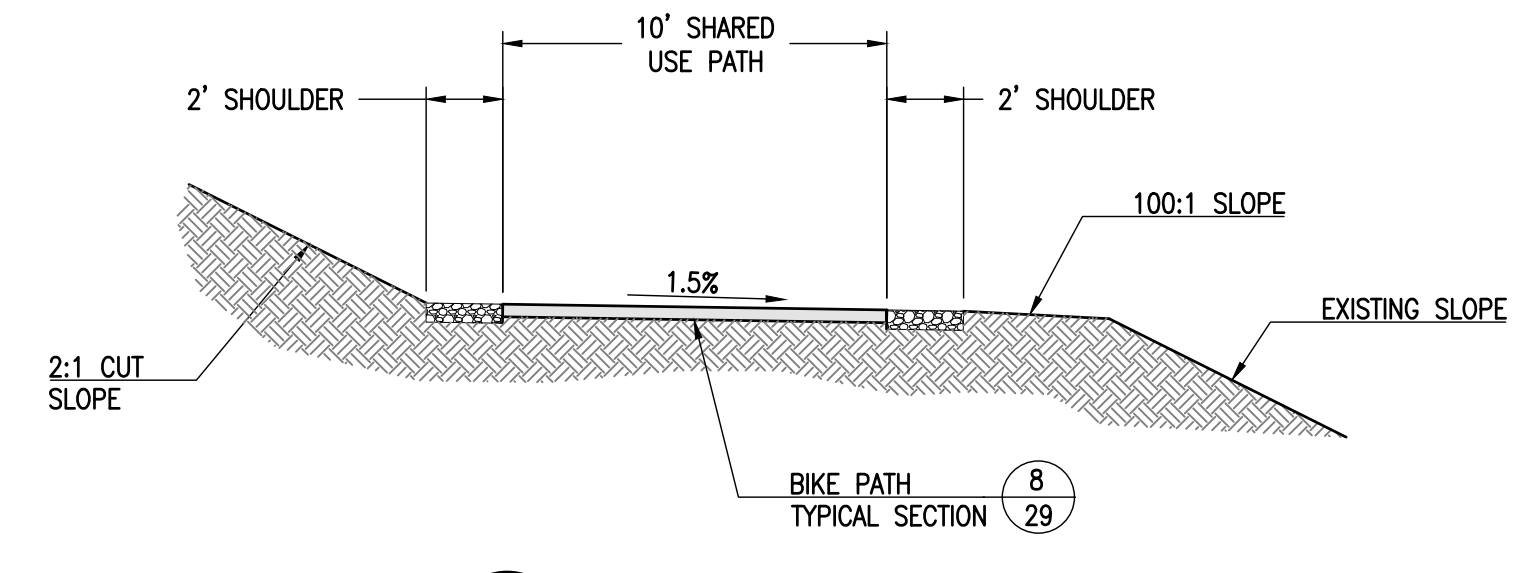
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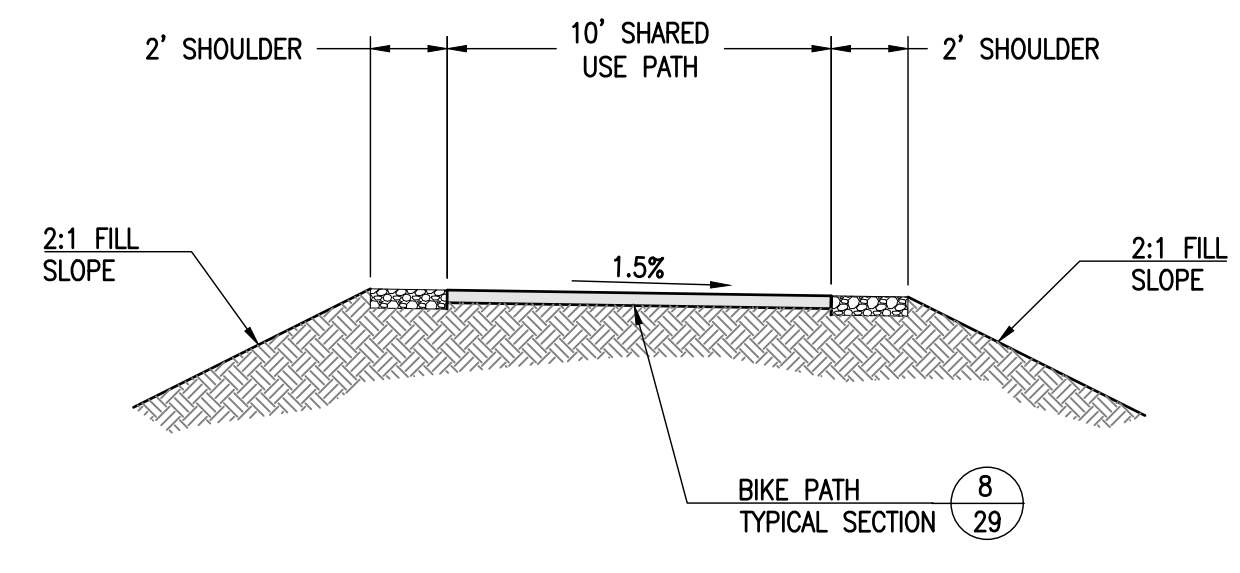
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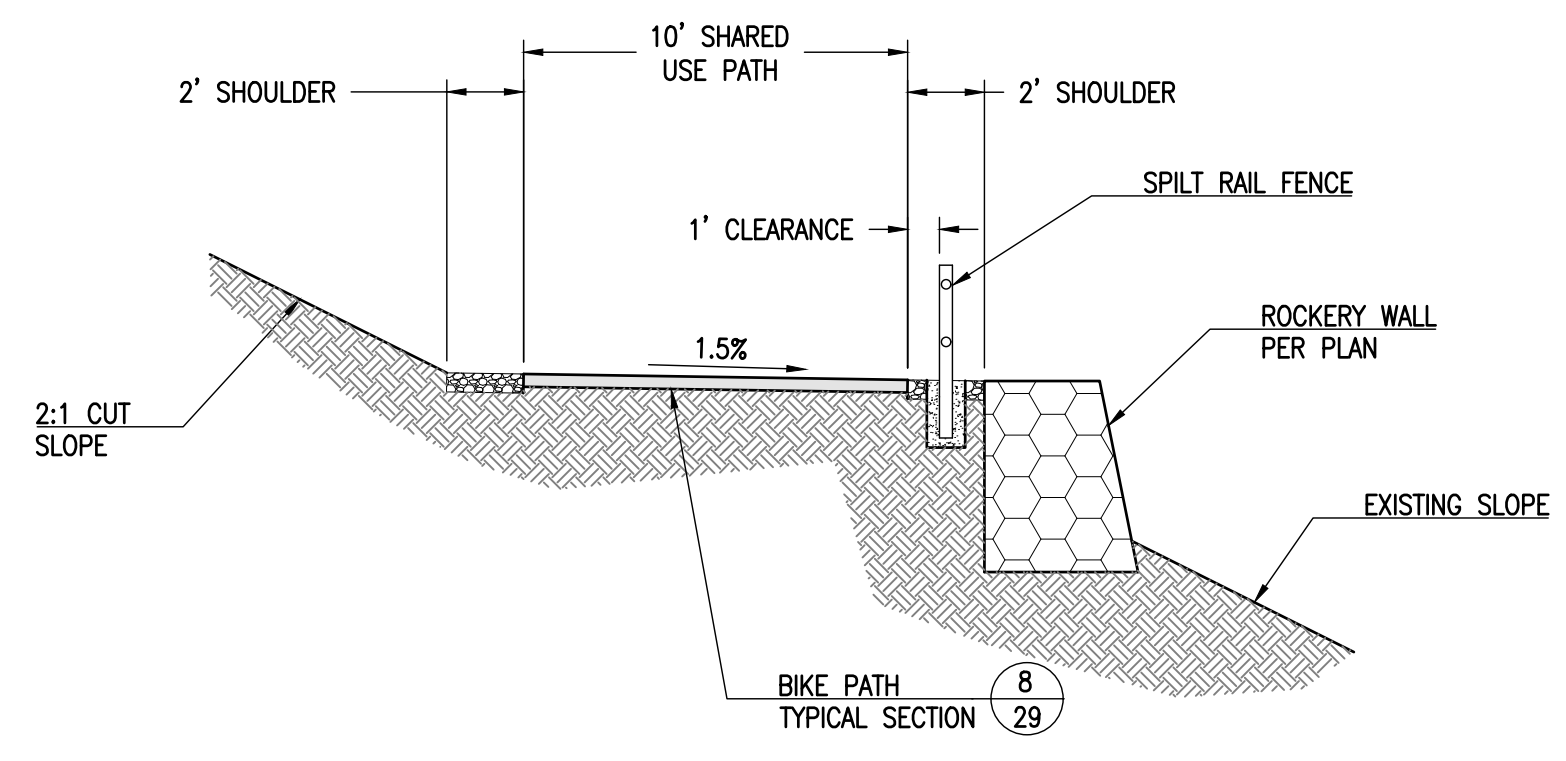
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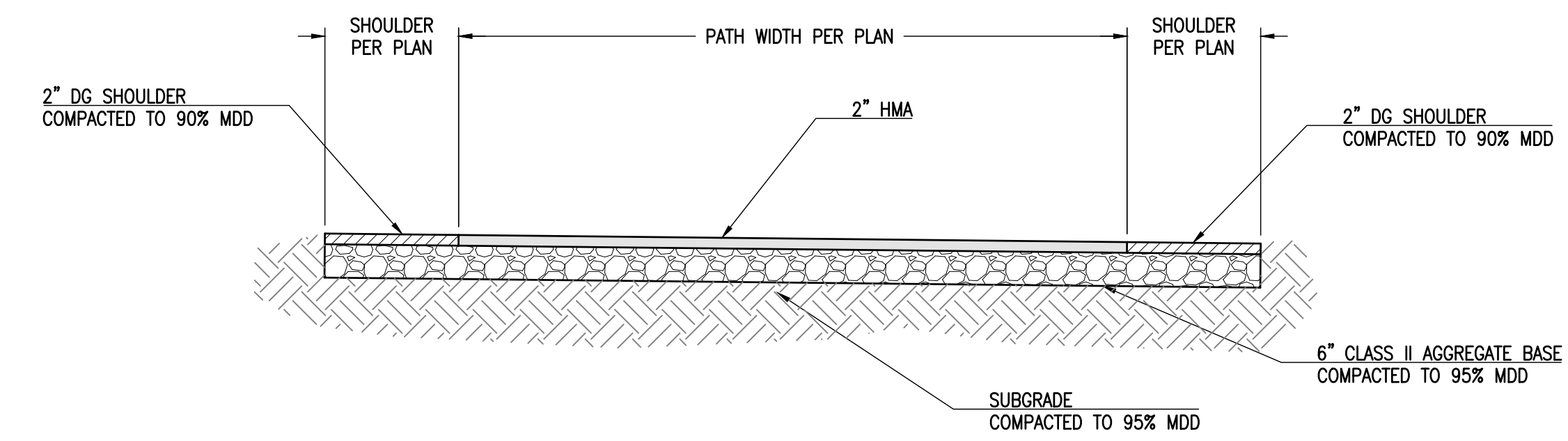
5 PATH CROSS SECTION
29 NTS



6 PATH CROSS SECTION
29 NTS



7 PATH CROSS SECTION
29 NTS



8 BIKE PATH TYPICAL SECTION
29 NTS

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LICENSED PROFESSIONAL ENGINEER
ANGELA DENISE HUETTLE
No. C 82432
EXP. 09/30/2022
CIVIL
STATE OF CALIFORNIA

COUNTY OF PLACER
DEPARTMENT OF PUBLIC WORKS
TAHOE ENGINEERING DIVISION

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(530) 581-6238

NORTH TAHOE SHARED USE TRAIL

DETAILS 3

PROJECT NO. #

SHEET NO. 29 OF 29