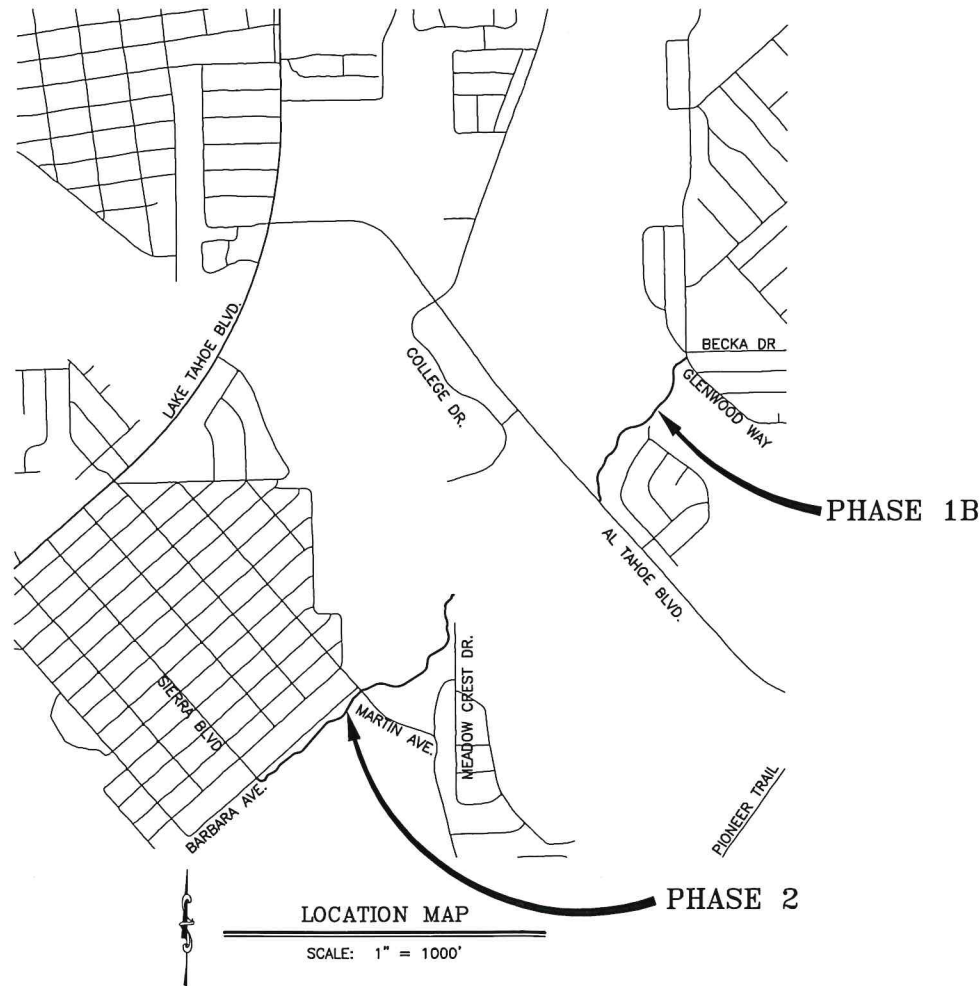


COUNTY OF EL DORADO, CA
DEPARTMENT OF TRANSPORTATION

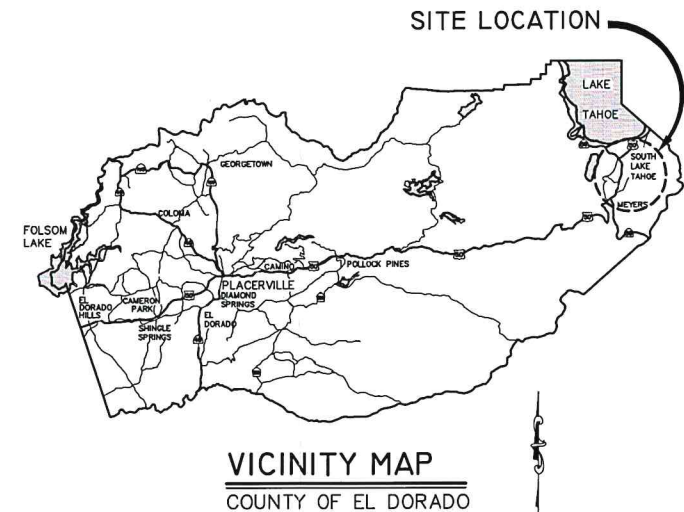
PROJECT PLANS FOR THE CONSTRUCTION OF THE 2020
**SOUTH TAHOE GREENWAY
SHARED USE TRAIL
PHASE 1B & 2**

IN THE COUNTY OF EL DORADO, DISTRICT 5,
PORTION OF SEC 29, PORTION OF EAST 1/4 SEC 30, PORTION OF
SOUTH 1/4 SEC 20, T12N, R18E, MDM

To be supplemented with 2015 Standard Plans and Specifications of the
California Department of Transportation, unless otherwise noted.



LOCATION MAP
SCALE: 1" = 1000'



VICINITY MAP
COUNTY OF EL DORADO

FUNDING AGENCY

CALIFORNIA TAHOE CONSERVANCY
ACTIVE TRANSPORTATION PROGRAM
CONGESTION MITIGATION AND AIR QUALITY PROGRAM
LAKE TAHOE COMMUNITY COLLEGE DISTRICT

FEDERAL AID PROJECT
ATPL 5925(168)



DDP
SUBMITTED BY: DONALDO S. PALAROAN P.E. DATE: SEPTEMBER 27, 2019
SENIOR CIVIL ENGINEER
STATE OF CALIFORNIA NO. C66083

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CONTRACTOR'S LICENSE CLASSIFICATION: Bidders shall be properly licensed to perform the Work pursuant to the State Contractor's License Law (Business and Professions Code section 7000 et seq.) and shall possess a CLASS A LICENSE or equivalent combination of Classes required by the categories and type of Work included in the Contract Documents and Plans, at the time the Contract is awarded, and shall maintain a valid license through completion and acceptance of the Work including guarantee and warranty period. If the Contractor possesses a Class A license instead of the equivalent combination of Classes required by the categories and type of work included in the Contract Documents and Plans, then the Contractor or a subcontractor must also possess a CLASS C27 "Landscaping Contractor" license. Failure of the successful Bidder to obtain proper and adequate licensing for an award of the Contract shall constitute a failure to execute the Contract, and shall result in forfeiture of the Bidders security.

REVISIONS		
MARK	DATE	BY



BOARD OF SUPERVISORS
I JOHN HIDAHL
II SHIVA FRENTZEN
III BRIAN K. VEERKAMP
IV LORI PARLIN
V SUE NOVASEL

COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION
(530) 573-7900 (530) 621-5900
924 B EMERALD BAY ROAD 2850 FAIRLAKE CT
SOUTH LAKE TAHOE, CA PLACERVILLE, CA
96150 95667

ADOPTED AND APPROVED BY:
SUE NOVASEL, CHAIR, EL DORADO COUNTY BOARD OF SUPERVISORS
APPROVED BY: *Rafael Martinez*
RAFAEL MARTINEZ, DIRECTOR, DEPARTMENT OF TRANSPORTATION
JOHN H. KAMINSKI, P.E., NO. C57426, DEPUTY DIRECTOR, ENGINEERING

DATE: 10/2/19
DATE: 09/30/19

CONTRACT NO. 3785, CIP NO. 95200
SOUTH TAHOE GREENWAY
SHARED USE TRAIL PHASE 1B & 2
TITLE SHEET
SHEET 1 OF 47

GENERAL NOTES

- ALL IMPROVEMENTS WILL BE ACCOMPLISHED UNDER THE APPROVAL, INSPECTION, AND TO THE SATISFACTION OF THE COUNTY OF EL DORADO DEPARTMENT OF TRANSPORTATION (DOT). IMPROVEMENT CONSTRUCTION MUST COMPLY WITH THESE PLANS AND THE 2015 CALTRANS STANDARD PLANS, UNLESS NOTED OTHERWISE. ALL REFERENCES TO THE "STANDARD SPECIFICATIONS" MEAN THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION (CALTRANS) 2015 STANDARD SPECIFICATIONS. CONSTRUCTION NOT SPECIFIED ON THESE PLANS OR IN SPECIFIC COUNTY OF EL DORADO (COUNTY) ORDINANCES MUST CONFORM TO THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS. YOU ARE OBLIGATED TO BE FAMILIAR WITH APPLICABLE SECTIONS OF THE STANDARD SPECIFICATIONS NOT DISCUSSED IN THE GENERAL NOTES. THE CONTRACT SPECIAL PROVISIONS SUPERSEDE THE STANDARD SPECIFICATIONS WHERE DISCREPANCIES OCCUR.
- CONSTRUCTION HOURS WILL BE WEEKDAYS BETWEEN 8:00 A.M. AND 6:30 P.M. UNLESS PRIOR APPROVAL IS RECEIVED FROM DOT.
- THE LOCATIONS AND EXTENT OF UNDERGROUND UTILITIES IN THE WORK AREA AS SHOWN ARE APPROXIMATE AND ARE NOT NECESSARILY COMPLETE. A REASONABLE EFFORT HAS BEEN MADE TO LOCATE AND DELINEATE UTILITIES BASED UPON AVAILABLE RECORDS. YOU MUST DETERMINE THE TYPE, LOCATION, SIZE, AND/OR DEPTH OF THE UTILITIES WITHIN THE WORK AREA BEFORE STARTING WORK. YOU OR ANY SUBCONTRACTOR FOR THIS CONTRACT ARE RESPONSIBLE FOR DAMAGES DUE TO THE FAILURE TO EXACTLY LOCATE AND PRESERVE UNDERGROUND UTILITIES. YOU MUST CONTACT UNDERGROUND SERVICE ALERT AT (800) 642-2444 AT LEAST 48 HOURS BEFORE ANY CONSTRUCTION. YOU ASSUME COMPLETE RESPONSIBILITY FOR DAMAGED UTILITIES.
- UNLESS SHOWN OTHERWISE, YOU ARE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SURVEY MONUMENTS AND OTHER SURVEY MARKERS, INCLUDING CONSTRUCTION STAKES DURING CONSTRUCTION AND YOU ARE RESPONSIBLE FOR THE COST TO REPLACE ANY SUCH SURVEY MONUMENTS, MARKERS, OR STAKES.
- YOU WILL PROVIDE ALL LIGHTS, SIGNS, BARRICADES, FLAGGERS, PILOT CAR, OR OTHER DEVICES NECESSARY TO CONTROL TRAFFIC THROUGH THE JOB SITE AND FOR PUBLIC SAFETY UNDER THESE PLANS, THE STANDARD SPECIFICATIONS, AND CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD).
- YOU AGREE TO ASSUME SOLE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF THE WORK, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY, AND FURTHER AGREE THAT THIS REQUIREMENT APPLIES CONTINUOUSLY AND IS NOT LIMITED TO NORMAL WORKING HOURS UNDER THE CONTRACT AND STANDARD SPECIFICATIONS.
- THERE WILL BE NO GRADING OR LAND DISTURBANCE BETWEEN OCTOBER 15 AND MAY 1 UNLESS APPROVALS ARE OBTAINED FROM THE TAHOE REGIONAL PLANNING AGENCY (TRPA), AS PROVIDED IN THE LIMITED EXEMPTION DESCRIBED IN CHAPTER 64, SUBSECTION 64.2.B. OF THE TRPA CODE OF ORDINANCES. APPROVALS FOR GRADING BETWEEN OCTOBER 15 AND MAY 1 MUST ALSO BE OBTAINED FROM THE LAHONTAN REGIONAL WATER QUALITY CONTROL BOARD. IF REQUIRED, DOT WILL OBTAIN THESE APPROVALS.
- YOU WILL MAINTAIN A SET OF PLANS ON THE JOB SITE SHOWING "AS-CONSTRUCTED" CHANGES MADE TO DATE. UPON COMPLETION OF THE WORK, YOU WILL GIVE TO THE COUNTY A SET OF PLANS, MARKED UP TO THE SATISFACTION OF DOT, REFLECTING THE AS-CONSTRUCTED MODIFICATIONS.
- ALL CONTROL STATIONING AND DATA DIMENSIONING REFERENCE THE CENTERLINE OF THE FACILITY SHOWN, UNLESS NOTED OTHERWISE.
- YOU WILL NOT CLOSE OFF ANY UTILITY LINES OR OPEN VALVES OR TAKE ANY OTHER ACTION WHICH WOULD AFFECT THE OPERATION OF WATER OR SEWER SYSTEMS WITHOUT APPROVAL FROM THE SOUTH TAHOE PUBLIC UTILITY DISTRICT (STPUD). APPROVAL MUST BE REQUESTED AT LEAST 48 HOURS BEFORE INTERRUPTION OF THE UTILITY SERVICE IS REQUIRED. ANY INTERRUPTION TO ACTIVE WATER OR SEWER SERVICES, INCLUDING FIRE HYDRANTS, WHETHER INTENTIONAL OR NOT, MUST BE KEPT TO A MINIMUM TIME PERIOD. IF SERVICE TO BUILDINGS IS TO BE OFF FOR MORE THAN FOUR HOURS, YOU MUST ADVISE STPUD.
- YOU ARE REQUIRED TO IMPLEMENT DUST CONTROL MEASURES TO ENSURE THAT DUST RESULTING FROM YOUR ACTIVITIES IS CONTROLLED AND COMPLIES WITH THE PROVISIONS OF SECTION 7, "LEGAL RELATIONS AND RESPONSIBILITY TO THE PUBLIC," AND SECTION 14, "ENVIRONMENTAL STEWARDSHIP," OF THE STANDARD SPECIFICATIONS, COUNTY, AND LOCAL ORDINANCES.
- YOU ARE RESPONSIBLE FOR IMPLEMENTING ALL TEMPORARY EROSION CONTROL MEASURES. THE TEMPORARY EROSION CONTROL MEASURES MUST COMPLY WITH THE TRPA "HANDBOOK OF BEST MANAGEMENT PRACTICES" AND THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP). DOT WILL CONTACT TRPA BEFORE THE START OF THE WORK FOR A PRE-GRADE INSPECTION OF THE INSTALLED TEMPORARY EROSION CONTROL FACILITIES. YOU ARE RESPONSIBLE FOR THE MAINTENANCE AND PERFORMANCE OF THE TEMPORARY EROSION CONTROL MEASURES THROUGHOUT THE DURATION OF THE WORK.
- CONSTRUCTION LIMITS SHOWN DELINEATE THE BOUNDARIES FOR YOUR ACTIVITIES BEYOND THE COUNTY ROAD RIGHT-OF-WAY. TEMPORARY FENCE (TYPE ESA) MUST BE ERCTED ALONG THESE BOUNDARIES BEFORE WORK STARTS. VEGETATION WITHIN THESE LIMITS MUST BE PROTECTED TO THE EXTENT FEASIBLE. ALL TREES MUST BE PROTECTED UNLESS SHOWN TO BE REMOVED.
- UNLESS NOTED OTHERWISE, ALL REVEGETATION IS TO BE COMPLETED BY OTHERS.
- YOU WILL ONLY USE THE DESIGNATED SITES SHOWN FOR STORAGE OF EQUIPMENT AND MATERIALS. YOU ARE RESPONSIBLE FOR THE SECURITY OF EQUIPMENT AND MATERIALS.
- IT IS YOUR AND YOUR SUBCONTRACTOR(S) RESPONSIBILITY TO EXAMINE THE JOB SITE BEFORE THE OPENING OF BID PROPOSALS. YOU MUST BECOME FAMILIAR WITH THE NATURE AND LOCATION OF THE WORK AND THE GENERAL AND LOCAL CONDITIONS, PARTICULARLY THOSE AFFECTING THE AVAILABILITY OF TRANSPORTATION, THE DISPOSAL, HANDLING, AND STORAGE OF MATERIALS, AVAILABILITY OF LABOR, WATER, ELECTRICITY, ROADS, THE UNCERTAINTIES OF WEATHER, THE CONDITIONS OF THE GROUND, SURFACE AND SUBSURFACE MATERIALS, THE EQUIPMENT AND FACILITIES NEEDED FOR AND DURING THE PERFORMANCE OF THE WORK. FAILURE BY YOU OR YOUR SUBCONTRACTOR(S) TO ACQUAINT YOURSELVES WITH THE INFORMATION AVAILABLE WILL NOT RELIEVE YOU OR YOUR SUBCONTRACTOR(S) FROM RESPONSIBILITY FOR PROPERLY ESTIMATING THE DIFFICULTY AND COST OF SUCCESSFULLY PERFORMING THE WORK.
- ELEVATIONS FOR PIPE INVERTS, FLOWLINES, TOPS OF GRATES, RIMS, ETC., ARE BASED ON THE TOPOGRAPHIC INFORMATION SHOWN. YOU WILL VERIFY ALL NECESSARY SURFACE ELEVATIONS IN THE FIELD AND NOTIFY THE TD OF ANY DISCREPANCIES WHICH MIGHT AFFECT THE OPERATION OF THE NEW FACILITIES BEFORE BREAKING GROUND FOR THE INSTALLATION. DOT MUST BE CONTACTED IF ELEVATIONS ARE INCORRECT SO PROPER ADJUSTMENTS CAN BE MADE BEFORE THE INSTALLATION OF THE FACILITIES.
- EXCEPT FOR THOSE OBTAINED BY DOT, YOU MUST OBTAIN, AT YOUR EXPENSE, ALL PERMITS, LICENSES, INSURANCE POLICIES, ETC., NECESSARY TO COMPLY WITH STATE AND LOCAL LAWS ASSOCIATED WITH THE PERFORMANCE OF THE WORK.
- YOU ARE RESPONSIBLE TO REVIEW THE CONTRACT DOCUMENTS FOR SUBMITTALS REQUIRED FOR COUNTY REVIEW AND ACCEPTANCE.
- THE COUNTY WILL PROVIDE CONSTRUCTION STAKING IN COMPLIANCE WITH SECTION 5-1.26 OF THE STANDARD SPECIFICATIONS.
- THE PLANS SHOW SLOPE LENGTHS FOR PIPE ROUNDED TO THE NEAREST FOOT. ALL PIPE LENGTHS AND INVERT ELEVATIONS SHOWN ON THE PLANS ARE TO THE CENTERLINE OF THE STRUCTURES TO WHICH THE PIPES ARE ATTACHED. SEE THE STANDARD SPECIFICATIONS FOR THE MAXIMUM ALLOWABLE DEFLECTION ANGLE AT EACH PIPE JOINT.
- YOU ARE RESPONSIBLE TO MAINTAIN THE GRADING LIMITS AS SHOWN ON THE PLANS, DETAILS, CROSS SECTIONS, AND AS DIRECTED BY THE ENGINEER.

ABBREVIATIONS

NOTE: LOWER CASE TEXT WITHIN PLAN SET INDICATES EXISTING

△	DELTA = DEFLECTION ANGLE	MAT'L	MATERIAL
A	ARCH OR ASPEN	MISC	MISCELLANEOUS
AB	AGGREGATE BASE	MOC	MID POINT ON CURVE
ABAND	ABANDONED	MOD	MODIFIED
ABC	ARTICULATED BLOCK CHANNEL	N	NORTH
AC	ASPHALT CONCRETE	NIC	NOT IN CONTRACT
AP	ANGLE POINT	NGVD	NATIONAL GEODETIC VERTICAL DATUM
APN	ASSESSOR'S PARCEL NUMBER	NTS	NOT TO SCALE
BC	BEGIN CURVE	OAE	OR APPROVED EQUAL
BCR	BEGIN CURB RETURN	OC	ON CENTER
BGN	BEGIN	OD	OUTSIDE DIAMETER
BLC	BLANKET-LINED CHANNEL	OG	ORIGINAL GROUND
BV	BAY VIEW	OH	OVERHEAD
BVCE	BEGIN VERTICAL CURVE ELEVATION	OVEREX OR O/X	OVEREXCAVATION
BVCS	BEGIN VERTICAL CURVE STATION	P	PINE
C	CEDAR	PC	POINT OF BEGINNING OF CURVE
CALCS	CALCULATIONS	PCC	PORTLAND CEMENT CONCRETE OR POINT OF COMPOUND CURVE
CATV	CABLE TELEVISION	PERF	PERFORATED
CC	CENTER TO CENTER	PL	PROPERTY LINE
CF	CUBIC FEET OR CURB FACE	PL	PROPERTY LINE
CHD	CHORD DIRECTION	PCVCE	POINT OF COMPOUND VERTICAL CURVE ELEVATION
CIR	CIRCLE	PCVCS	POINT OF COMPOUND VERTICAL CURVE STATION
CL	CENTERLINE	POR	PORTION
CL	CLASS OR CENTERLINE	PRVCE	POINT OF REVERSE VERTICAL CURVE ELEVATION
CLR	CLEAR	PRVCS	POINT OF REVERSE VERTICAL CURVE STATION
CO	CURB OPENING OR CLEANOUT	PP	POWER/UTILITY POLE
CO	COUNTY	PRC	POINT OF REVERSE CURVE
CONC	CONCRETE	PROP	PROPOSED
CONST	CONSTRUCT	PT	POINT OR POINT OF TANGENCY
CMP	CORRUGATED METAL PIPE	PUE	PUBLIC UTILITY EASEMENT
CR	CEDAR RIDGE	PVC	POLYVINYL CHLORIDE
CSP	CORRUGATED STEEL PIPE	PVE	POINT OF VERTICAL INTERSECTION ELEVATION
CT	CALTRANS OR COURT	PVIS	POINT OF VERTICAL INTERSECTION STATION
CTC	CALIFORNIA TAHOE CONSERVANCY	PVMT	PAVEMENT
CY	CUBIC YARD	R	RADIUS
C&G	CURB AND GUTTER	R&R	REMOVE & REPLACE
D	DEPTH	RC	RELATIVE COMPACTION
DBL	DOUBLE	RCP	REINFORCED CONCRETE PIPE
DET	DETAIL	RD	ROAD
DI	DRAINAGE INLET OR DUCTILE IRON	REF	REFERENCE
DIA OR Ø	DIAMETER	REQ'D	REQUIRED
DISS	DISSIPATOR	RLC	ROCK-LINED CHANNEL
DR	DRIVE	ROW	RIGHT-OF-WAY
D/W	DRIVEWAY	RSP	ROCK SLOPE PROTECTION
E	EAST	RT	RIGHT
EA	EACH	RW	RETAINING WALL
EC	END OF CURVE	S	SOUTH OR SANITARY SEWER
ECR	END OF CURB RETURN	SCO	SEWER CLEAN OUT
ELEV	ELEVATION	SD	STORM DRAIN
ELEC	ELECTRIC	SDMH	STORM DRAIN MANHOLE
ENGR	ENGINEER	SED FB	SEDIMENT FOREBAY
EP	EDGE OF PAVEMENT	SEZ	STREAM ENVIRONMENT ZONE
ESA	ENVIRONMENTALLY SENSITIVE AREA	SF	SQUARE FEET
ESMT	EASEMENT	SHT	SHEET
EVCE	END VERTICAL CURVE ELEVATION	SL	SLOPE LENGTH
EVCS	END VERTICAL CURVE STATION	SMH	SEWER MANHOLE
EX OR EXIST	EXISTING	ST	SEDIMENT TRAP OR STREET STATION
F	FIR	STA	STATION
FES	FLARED END SECTION	STD	STANDARD
FG	FINISHED GRADE	STL	STEEL
FH	FIRE HYDRANT	STPUD	SOUTH TAHOE PUBLIC UTILITY DISTRICT
FL	FLOWLINE	SWPPP	STORM WATER POLLUTION PREVENTION PLAN
FS	FINISH SURFACE	T	TELEPHONE
G	GAS	TBC	TOP BACK OF CURB
GA	GAUGE	TBD	TOP BACK OF DIKE
GB	GRADE BREAK	TD	TOP OF DIKE
GLS	GRASS-LINED SWALE	TBR	TO BE REMOVED
GW	GROUND WATER	TC	TOP OF GRATE
H	HORIZONTAL	TTL	TOTAL
HDPE	HIGH DENSITY POLYETHYLENE	TRANS	TRANSITION
HP	HIGH POINT	TRM	TURF REINFORCEMENT MAT
HWL	HIGH WATER LINE	TRPA	TAHOE REGIONAL PLANNING AGENCY
ID	INSIDE DIAMETER	TYP	TYPICAL
IE	INVERT ELEVATION	UG	UNDERGROUND
INCR	INCREASE	UKN	UNKNOWN
INST	INSTALL	USFS	UNITED STATES FOREST SERVICE
INTRXN	INTERSECTION	V	VERTICAL
L	LENGTH	W	WEST OR WATER
LC	LENGTH OF CHORD	W/	WITH
LF	LINEAR FEET	W/O	WITHOUT
LP	LOW POINT	WC	WILLOW CLUSTER
LT	LEFT	WV	WATER VALVE
LTD	LAKE TAHOE DATUM		

LEGEND

EXISTING	PROPOSED
(SCREENED AND/OR DASHED)	
--- -- ---	--- -- --- CENTERLINE
--- -- ---	--- -- --- SAWCUT (AS NOTED)
---	AC PAVEMENT
---	AC REMOVAL
---	ELEVATION
---	ELEVATION, EG CL, PROPOSED (PROFILE ONLY)
○	CSP INLET/RISER OR STORM DRAIN MANHOLE, DRAINAGE INLET
▽	CUT OR FILL SLOPE
⊗	DETAIL REF NUMBER SHEET NUMBER
⊗	ROCK
⊗	SD PIPE (MATERIAL AS NOTED)
⊗	REINFORCED SILT FENCE AND TYPE ESA FENCE
⊗	FLARED END SECTION
⊗	SLOPE RATIO, H:V
⊗	ARTICULATED BLOCK CHANNEL
⊗	BLANKET-LINED CHANNEL
⊗	TREE REMOVAL
⊗	FLOWLINE
⊗	CUT
⊗	FILL
---	WATER LINE
---	SEWER LINE
---	GAS LINE
---	STORM DRAIN
---	OVERHEAD UTILITIES
---	POWER/UTILITY POLE
---	UTILITY POLE & GUY ANCHOR
---	FIRE HYDRANT
---	FENCE
---	FLOWLINE
---	TREE, DIAMETER AND TYPE
---	STUMP
---	WILLOW CLUSTER
---	LANDSCAPE LIGHTING

UTILITIES	
CABLE TELEVISION	CHARTER COMMUNICATIONS, (775) 233-8706
NATURAL GAS	SOUTHWEST GAS, (530) 543-3225
ELECTRIC	LIBERTY UTILITIES, (530) 541-6400
SEWER & WATER	SOUTH TAHOE PUD, (530) 544-6474
TELEPHONE	AT&T, (530) 888-2031
STORM DRAIN	CO. OF EL DORADO DOT, (530) 573-3180

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ORIGINAL SCALE IS IN INCHES

FOR REDUCED PLANS

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

[Signature]

REGISTERED CIVIL ENGINEER
SEPTEMBER 27, 2019

DESIGNED: KIS
 DRAWN: KIS
 CHECKED: DSP
 DATE: 09/19
 ROAD NUMBER: ---

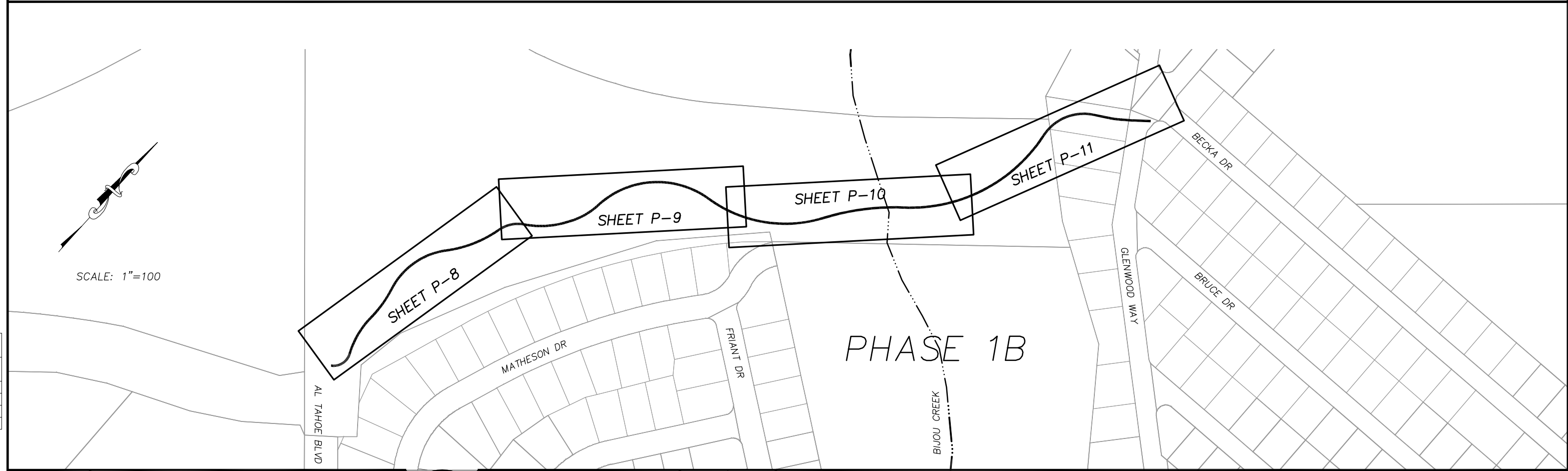
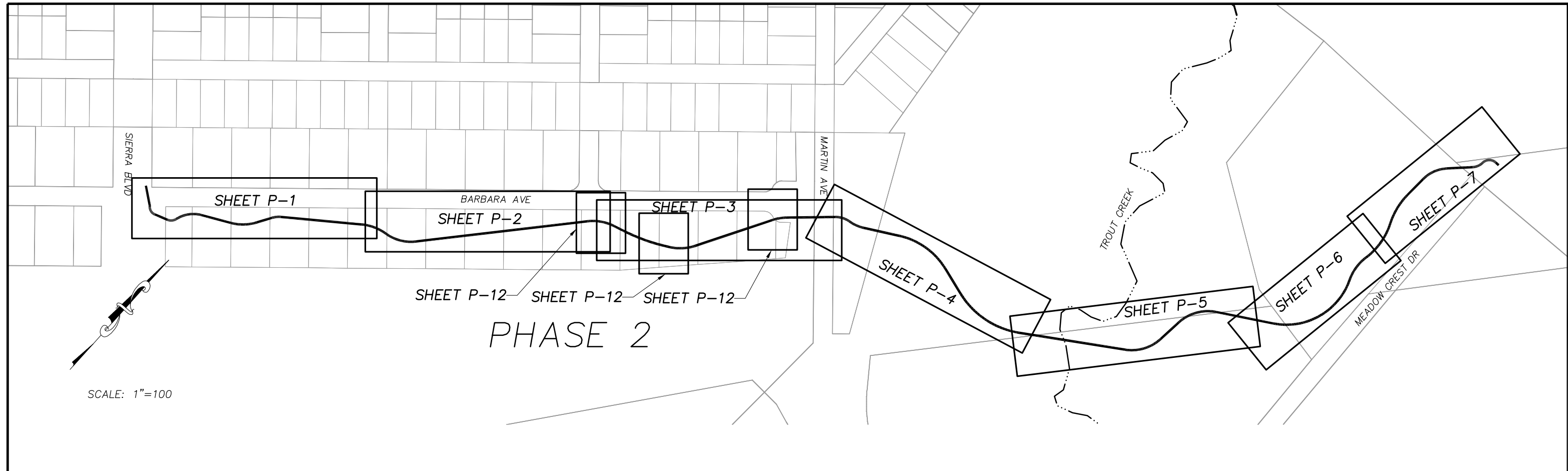


COUNTY OF EL DORADO
 DEPARTMENT OF TRANSPORTATION

SOUTH TAHOE GREENWAY SHARED USE TRAIL
 PHASE 1B & 2
 GENERAL NOTES, ABBREVIATIONS, AND LEGEND

SHEET
 ii
 2 OF 47
 CONTRACT NO.
3785
 CIP No.
95200

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 REVISION



REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF :

 REGISTERED CIVIL ENGINEER
 DATE: SEPTEMBER 27, 2019

DESIGNED: KIS
 DRAWN: KIS
 CHECKED: DSP
 DATE: 09/19
 ROAD NUMBER: ---



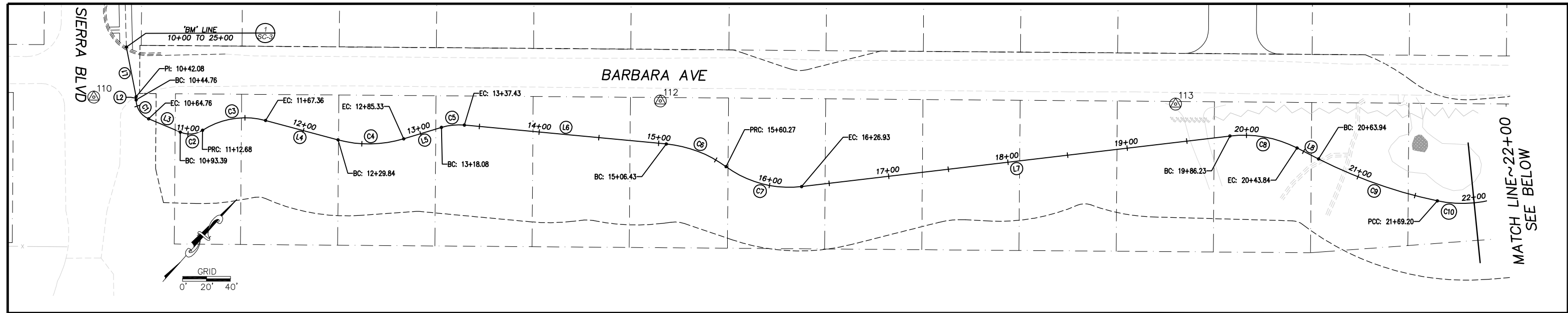
COUNTY OF EL DORADO
 DEPARTMENT OF TRANSPORTATION

SOUTH TAHOE GREENWAY SHARED USE TRAIL
 PHASE 1B & 2
 INDEX OF SHEETS

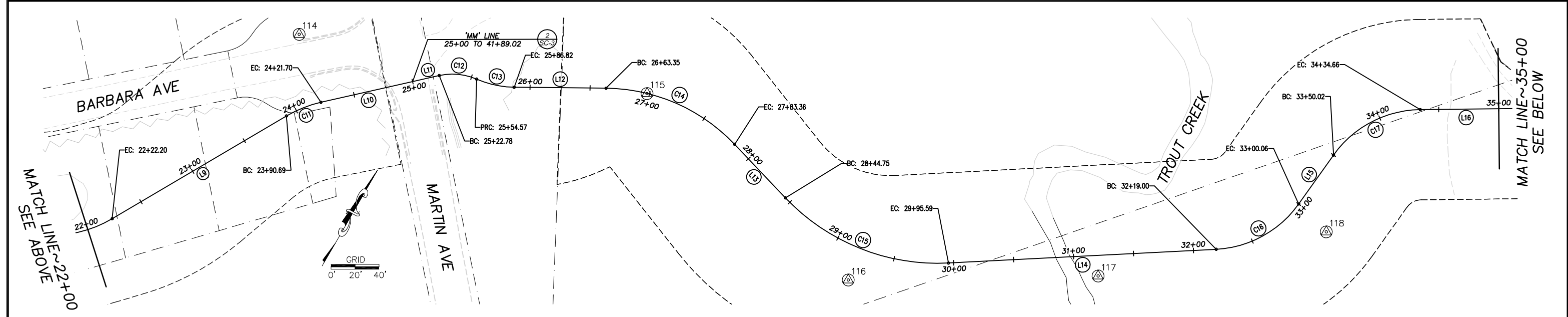
SHEET
 iii
 3 OF 47
 CONTRACT NO.
 3785
 CIP No.
 95200

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FOR REDUCED PLANS
2 ORIGINAL SCALE IS IN INCHES
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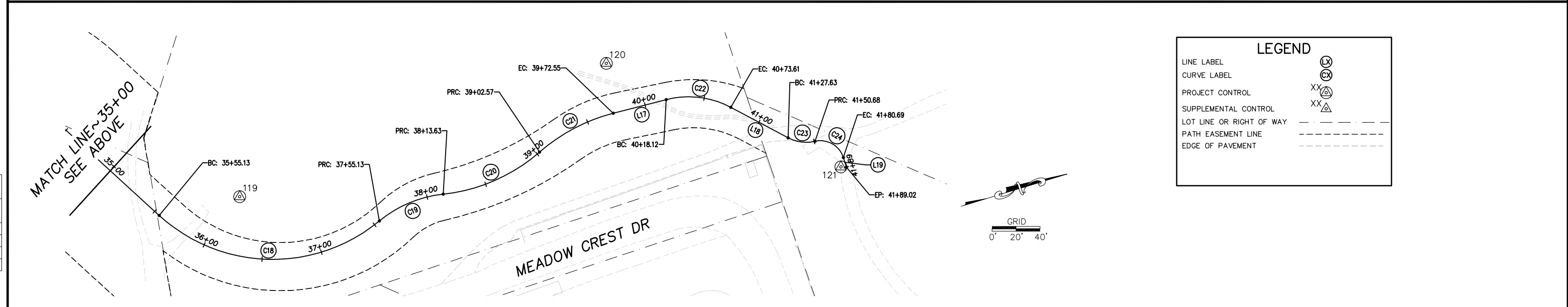


MATCH LINE ~ 22+00
SEE BELOW



MATCH LINE ~ 22+00
SEE ABOVE

MATCH LINE ~ 35+00
SEE BELOW



MATCH LINE ~ 35+00
SEE ABOVE

LEGEND	
LINE LABEL	(X)
CURVE LABEL	(C)
PROJECT CONTROL	XX (triangle)
SUPPLEMENTAL CONTROL	XX (triangle)
LOT LINE OR RIGHT OF WAY	---
PATH EASEMENT LINE	---
EDGE OF PAVEMENT	---

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
(Signature)
REGISTERED CIVIL ENGINEER
SEPTEMBER 27, 2019
DATE:

DESIGNED: KIS
DRAWN: KIS
CHECKED: DSP
DATE: 09/19
ROAD NUMBER: ---

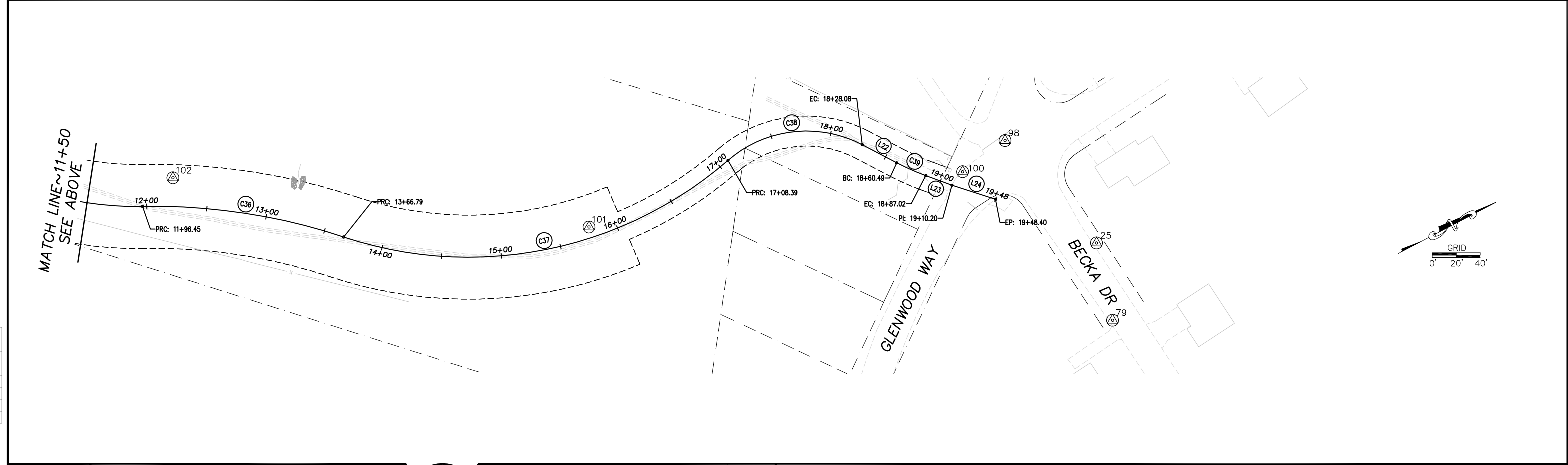
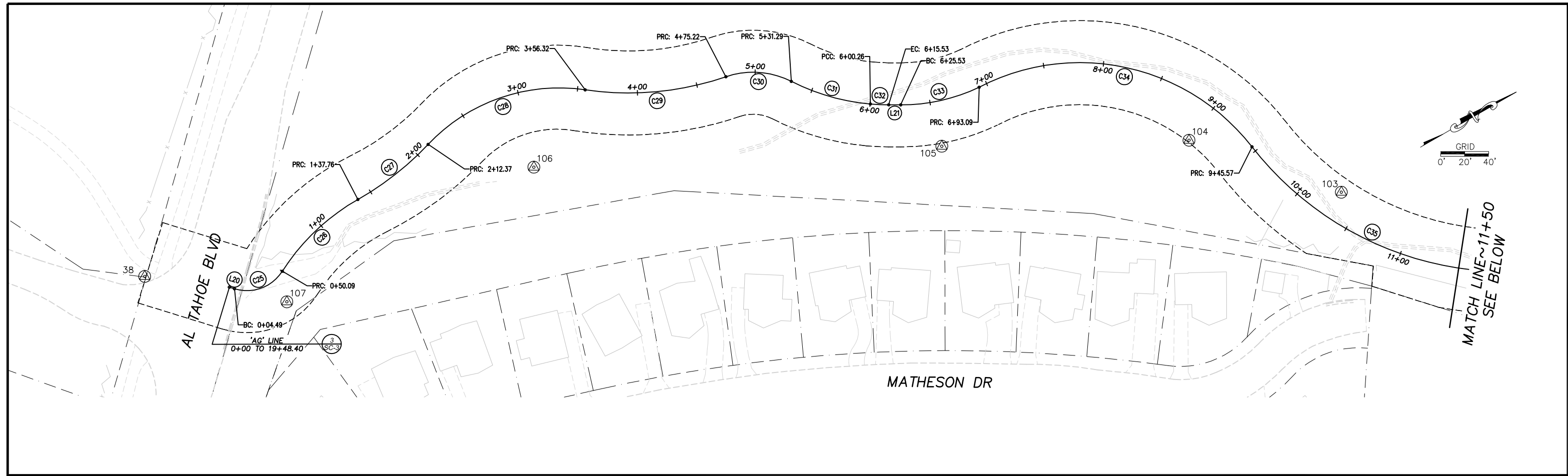


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

SOUTH TAHOE GREENWAY SHARED USE TRAIL
PHASE 1B & 2
SURVEY CONTROL AND ALIGNMENTS

SHEET
SC-1
4 OF 47
CONTRACT NO.
3785
CIP No.
95200

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 ORIGINAL SCALE IS IN INCHES
 FOR REDUCED PLANS



REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF :

 REGISTERED CIVIL ENGINEER
 SEPTEMBER 27, 2019
 DATE:

DESIGNED: KIS
 DRAWN: KIS
 CHECKED: DSP
 DATE: 09/19
 ROAD NUMBER:



COUNTY OF EL DORADO
 DEPARTMENT OF TRANSPORTATION

SOUTH TAHOE GREENWAY SHARED USE TRAIL
 PHASE 1B & 2
 SURVEY CONTROL AND ALIGNMENTS

SHEET
SC-2
 5 OF 47
 CONTRACT NO.
3785
 CIP No.
95200

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NUMBER	BEG STATION	END STATION	DESCRIPTION	LENGTH	RADIUS	COURSE	DELTA	BEG NORTHING	BEG EASTING	END NORTHING	END EASTING
(L1)	10+00	10+42.08	LINE	42.08	-----	S53°07'57"E	-----	2102705.73	7136734.24	2102680.48	7136767.91
(L2)	10+42.08	10+44.76	LINE	2.67	-----	S41°50'00"E	-----	2102680.48	7136767.91	2102678.49	7136769.70
(C1)	10+44.76	10+64.76	CURVE LEFT	20.00	17.00	-----	67°24'24"	2102678.49	7136769.70	2102673.78	7136787.96
(L3)	10+64.76	10+93.39	LINE	28.64	-----	N70°45'36"E	-----	2102673.78	7136787.96	2102683.22	7136815.00
(C2)	10+93.39	11+12.68	CURVE LEFT	19.29	20.00	-----	S51°5'52"	2102683.22	7136815.00	2102696.76	7136827.68
(C3)	11+12.68	11+67.36	CURVE RIGHT	54.68	66.00	-----	47°28'00"	2102696.76	7136827.68	2102737.91	7136861.28
(L4)	11+67.36	12+29.84	LINE	62.48	-----	N62°57'43"E	-----	2102737.91	7136861.28	2102766.31	7136916.93
(C4)	12+29.84	12+85.33	CURVE LEFT	55.49	100.00	-----	31°47'41"	2102766.31	7136916.93	2102803.63	7136957.04
(L5)	12+85.33	13+18.08	LINE	32.75	-----	N31°10'02"E	-----	2102803.63	7136957.04	2102831.65	7136973.99
(C5)	13+18.08	13+37.43	CURVE RIGHT	19.35	50.00	-----	22°10'10"	2102831.65	7136973.99	2102845.88	7136986.91
(L6)	13+37.43	15+06.43	LINE	169.00	-----	N53°20'13"E	-----	2102845.88	7136986.91	2102946.79	7137122.48
(C6)	15+06.43	15+60.27	CURVE RIGHT	53.85	100.00	-----	30°51'08"	2102946.79	7137122.48	2102966.06	7137172.06
(C7)	15+60.27	16+26.93	CURVE LEFT	66.66	89.00	-----	42°54'47"	2102966.06	7137172.06	2102995.89	7137229.94
(L7)	16+26.93	19+86.23	LINE	359.30	-----	N41°16'33"E	-----	2102995.89	7137229.94	2103265.92	7137466.96
(C8)	19+86.23	20+43.84	CURVE RIGHT	57.60	98.00	-----	33°40'42"	2103265.92	7137466.96	2103295.91	7137515.18
(L8)	20+43.84	20+63.94	LINE	20.11	-----	N74°57'15"E	-----	2103295.91	7137515.18	2103301.13	7137534.60
(C9)	20+63.94	21+69.20	CURVE LEFT	105.25	400.00	-----	15°04'35"	2103301.13	7137534.60	2103341.44	7137631.50
(C10)	21+69.20	22+22.20	CURVE LEFT	53.00	100.00	-----	30°22'01"	2103341.44	7137631.50	2103378.67	7137668.34
(L9)	22+22.20	23+90.69	LINE	168.49	-----	N29°30'39"E	-----	2103378.67	7137668.34	2103525.30	7137751.34
(C11)	23+90.69	24+21.70	CURVE RIGHT	31.01	100.00	-----	17°46'01"	2103525.30	7137751.34	2103549.51	7137770.52
(L10)	24+21.70	25+00	LINE	78.31	-----	N47°16'40"E	-----	2103549.51	7137770.52	2103602.64	7137828.05

'BM' LINE
10+00 TO 25+00

1
SC-3

NUMBER	BEG STATION	END STATION	DESCRIPTION	LENGTH	RADIUS	COURSE	DELTA	BEG NORTHING	BEG EASTING	END NORTHING	END EASTING
(L11)	25+00	25+22.78	LINE	22.78	-----	N47°16'40"E	-----	2103602.64	7137828.05	2103618.09	7137844.78
(C12)	25+22.78	25+54.57	CURVE RIGHT	31.79	50.00	-----	36°25'49"	2103618.09	7137844.78	2103631.06	7137873.22
(C13)	25+54.57	25+86.82	CURVE LEFT	32.24	80.00	-----	23°05'37"	2103631.06	7137873.22	2103640.87	7137903.71
(L12)	25+86.82	26+63.35	LINE	76.53	-----	N60°36'52"E	-----	2103640.87	7137903.71	2103678.42	7137970.39
(C14)	26+63.35	27+83.36	CURVE RIGHT	120.01	150.00	-----	45°50'32"	2103678.42	7137970.39	2103691.58	7138006.49
(L13)	27+83.36	28+44.75	LINE	61.38	-----	S73°32'36"E	-----	2103691.58	7138006.49	2103674.19	7138145.36
(C15)	28+44.75	29+95.59	CURVE LEFT	150.84	175.00	-----	49°23'10"	2103674.19	7138145.36	2103695.13	7138290.07
(L14)	29+95.59	32+19	LINE	223.41	-----	N57°04'14"E	-----	2103695.13	7138290.07	2103816.58	7138477.58
(C16)	32+19	33+00.06	CURVE LEFT	81.06	90.00	-----	51°36'19"	2103816.58	7138477.58	2103883.55	7138518.25
(L15)	33+00.06	33+50.02	LINE	49.96	-----	N52°27'55"E	-----	2103883.55	7138518.25	2103933.28	7138523.01
(C17)	33+50.02	34+34.66	CURVE RIGHT	84.64	90.00	-----	53°53'08"	2103933.28	7138523.01	2104002.14	7138566.72
(L16)	34+34.66	35+55.13	LINE	120.47	-----	N59°21'02"E	-----	2104002.14	7138566.72	2104063.55	7138670.36
(C18)	35+55.13	37+55.13	CURVE LEFT	200.00	140.00	-----	81°51'01"	2104063.55	7138670.36	2104237.57	7138728.33
(C19)	37+55.13	38+13.63	CURVE RIGHT	58.50	100.00	-----	33°31'10"	2104237.57	7138728.33	2104294.95	7138722.56
(C20)	38+13.63	39+02.57	CURVE LEFT	88.94	145.00	-----	35°08'36"	2104294.95	7138722.56	2104381.93	7138712.57
(C21)	39+02.57	39+72.55	CURVE RIGHT	69.98	150.00	-----	26°43'56"	2104381.93	7138712.57	2104450.06	7138699.63
(L17)	39+72.55	40+18.12	LINE	45.57	-----	N2°36'31"E	-----	2104450.06	7138699.63	2104495.58	7138701.70
(C22)	40+18.12	40+73.61	CURVE RIGHT	55.49	75.00	-----	42°23'29"	2104495.58	7138701.70	2104545.20	7138723.59
(L18)	40+73.61	41+27.63	LINE	54.02	-----	N45°00'00"E	-----	2104545.20	7138723.59	2104583.40	7138761.79
(C23)	41+27.63	41+50.68	CURVE LEFT	23.06	32.00	-----	41°16'47"	2104583.40	7138761.79	2104603.95	7138771.09
(C24)	41+50.68	41+80.69	CURVE RIGHT	30.01	20.00	-----	85°58'20"	2104603.95	7138771.09	2104622.65	7138790.94
(L19)	41+80.69	41+89.02	LINE	8.33	-----	N89°41'33"E	-----	2104622.65	7138790.94	2104622.69	7138799.27

'MM' LINE
25+00 TO 41+89.02

2
SC-3

NUMBER	BEG STATION	END STATION	DESCRIPTION	LENGTH	RADIUS	COURSE	DELTA	BEG NORTHING	BEG EASTING	END NORTHING	END EASTING
(L20)	0+00	0+04.49	LINE	4.49	-----	N49°11'17"E	-----	2105587.51	7140341.05	2105590.44	7140344.45
(C25)	0+04.49	0+50.09	CURVE LEFT	45.60	35.00	-----	74°39'21"	2105590.44	7140344.45	2105631.98	7140353.17
(C26)	0+50.09	1+37.76	CURVE RIGHT	87.67	180.00	-----	27°54'21"	2105631.98	7140353.17	2105717.04	7140355.84
(C27)	1+37.76	2+12.37	CURVE LEFT	74.61	250.00	-----	17°05'55"	2105717.04	7140355.84	2105790.95	7140327.93
(C28)	2+12.37	3+56.32	CURVE RIGHT	143.95	150.00	-----	54°59'04"	2105790.95	7140327.93	2105925.98	7140358.69
(C29)	3+56.32	4+75.22	CURVE LEFT	118.90	250.00	-----	27°15'02"	2105925.98	7140358.69	2106031.21	7140411.61
(C30)	4+75.22	5+31.29	CURVE RIGHT	56.07	70.00	-----	45°53'44"	2106031.21	7140411.61	2106075.36	7140443.71
(C31)	5+31.29	6+00.26	CURVE LEFT	68.96	180.00	-----	21°57'07"	2106075.36	7140443.71	2106121.23	7140494.64
(C32)	6+00.26	6+15.53	CURVE LEFT	15.27	180.00	-----	4°51'42"	2106121.23	7140494.64	2106133.80	7140503.31
(L21)	6+15.53	6+25.53	LINE	10.00	-----	N32°09'18"E	-----	2106133.80	7140503.31	2106142.26	7140508.63
(C33)	6+25.53	6+93.09	CURVE LEFT	67.56	150.39	-----	25°44'23"	2106142.26	7140508.63	2106205.49	7140530.78
(C34)	6+93.09	9+45.57	CURVE RIGHT	252.48	181.84	-----	79°33'08"	2106205.49	7140530.78	2106371.95	7140693.37
(C35)	9+45.57	11+96.45	CURVE LEFT	250.88	270.00	-----	53°14'14"	2106371.95	7140693.37	2106502.01	7140897.38
(C36)	11+96.45	13+66.79	CURVE RIGHT	170.34	500.00	-----	19°31'11"	2106502.01	7140897.38	2106630.67	7141007.76
(C37)	13+66.79	17+08.39	CURVE LEFT	341.60	330.00	-----	59°18'35"	2106630.67	7141007.76	2106936.08	7141123.34
(C38)	17+08.39	18+28.08	CURVE RIGHT	119.69	100.00	-----	68°34'36"	2106936.08	7141123.34	2107037.89	7141171.60
(L22)	18+28.08	18+60.49	LINE	32.41	-----	N59°39'02"E	-----	2107037.89	7141171.60	2107054.27	7141199.57
(C39)	18+60.49	18+87.02	CURVE LEFT	26.53	200.00	-----	7°35'58"	2107054.27	7141199.57	2107069.15	7141221.51
(L23)	18+87.02	19+10.20	LINE	23.18	-----	N52°03'04"E	-----	2107069.15	7141221.51	2107083.41	7141239.79
(L24)	19+10.20	19+48.40	LINE	38.20	-----	N49°58'17"E	-----	2107083.41	7141239.79	2107107.98	7141269.04

'AG' LINE
0+00 TO 19+48.40

3
SC-3

CONTROL TABLE				
CONTROL NUMBER	Y	X	ELEVATION	DESCRIPTION
25	2107160.06	7141344.43	6257.58	?? IN SHOULDER
38	2105532.47	7140296.08	6286.41	SMAW (3008)
79	2107137.33	7141406.14	6258.20	MAG (7009)
98	2107140.68	7141231.67	6258.07	NAIL (9008)
100	2107096.90	7141234.97	6258.24	MAG&WASHER (1000)
101	2106808.47	7141109.03	6257.42	½" RBAR (1001)
102	2106536.14	7140890.53	6256.90	½" RBAR (1002)
103	2106414.98	7140764.84	6256.50	½" RBAR (1003)
104	2106330.33	7140660.90	6256.43	½" RBAR (1004)
105	2106153.05	7140555.99	6259.51	½" RBAR (1005)
106	2105855.60	7140390.68	6269.99	½" RBAR (1006)
107	2105621.68	7140376.78	6282.50	½" RBAR (1007)
110	2102656.62	7136741.94	6287.03	MAG&WASHER (1010)
112	2102970.03	7137094.82	6281.83	½" RBAR (1012)
113	2103255.33	7137415.50	6274.55	½" RBAR (1013)
114	2103589.40	7137726.59	6263.61	½" RBAR (1014)
115	2103691.61	7138002.16	6248.20	½" RBAR (1015)
116	2103641.19	7138224.84	6247.29	½" RBAR (1016)
117	2103748.15	7138403.45	6248.30	½" RBAR (1017)
118	2103874.95	7138549.73	6248.32	½" RBAR (1018)
119	2104132.21	7138675.02	6268.48	½" RBAR (1019)
120	2104456.69	7138658.27	6277.86	½" RBAR (1020)
121	2104618.38	7138797.75	6281.28	MAG&WASHER (1021)

CONTROL POINTS AND COORDINATES SHOWN ARE ON A LOCAL COORDINATE SYSTEM AND WERE ESTABLISHED FOR THE DESIGN AND CONSTRUCTION OF THE COUNTY OF EL DORADO SOUTH LAKE TAHOE GREENWAY SHARED USE PATH PHASE 1B & 2 (JN 95200)

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
SEPTEMBER 27, 2019
DATE:

DESIGNED: KIS
DRAWN: KIS
CHECKED: DSP
DATE: 09/19
ROAD NUMBER: ---

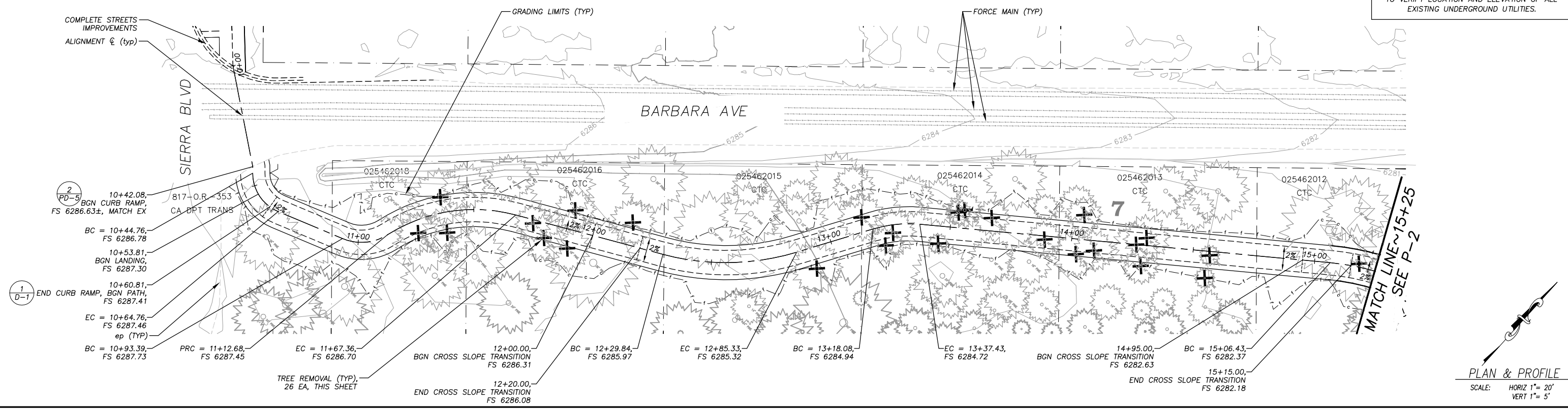


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

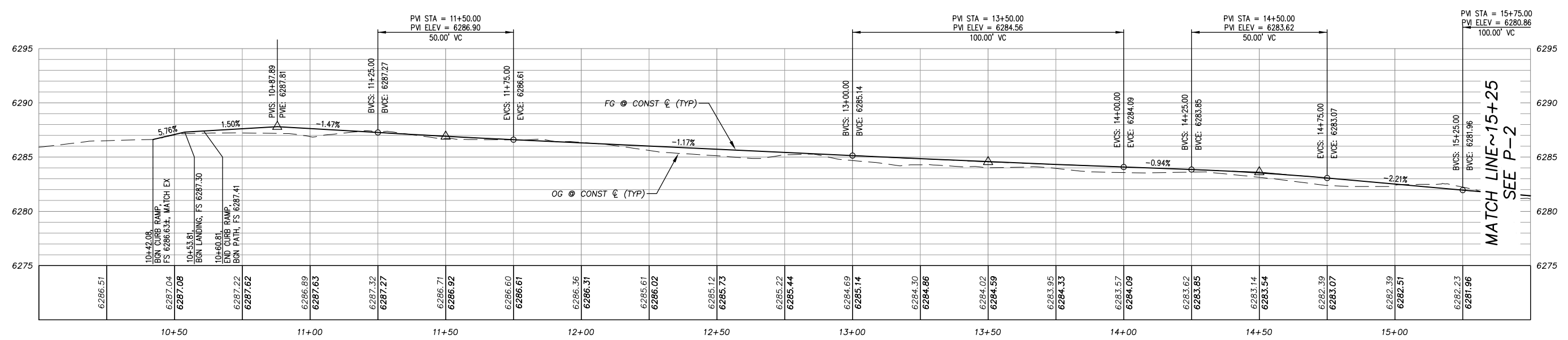
SOUTH TAHOE GREENWAY SHARED USE TRAIL
PHASE 1B & 2
SURVEY CONTROL AND ALIGNMENT LISTINGS

!! WARNING !!
 THE LOCATION AND/OR ELEVATION OF EXISTING UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE ONLY APPROXIMATE. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF ALL EXISTING UNDERGROUND UTILITIES.

NOTE:
 THIS PROJECT IS LOCATED IN AN ENVIRONMENTALLY SENSITIVE AREA. YOU MUST EXERCISE UTMOST CARE TO PROTECT AND MAINTAIN EXISTING VEGETATION AND MINIMIZE SOIL COMPACTION WITHIN CONSTRUCTION AREAS.



PHASE 2 10+00 TO 15+25



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 ORIGINAL SCALE IS IN INCHES
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 1
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 FOR REDUCED PLANS
 REVISION

NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
 SEPTEMBER 27, 2019
 DATE:

DESIGNED: KIS
 DRAWN: KIS
 CHECKED: DSP
 DATE: 09//19
 ROAD NUMBER: ---



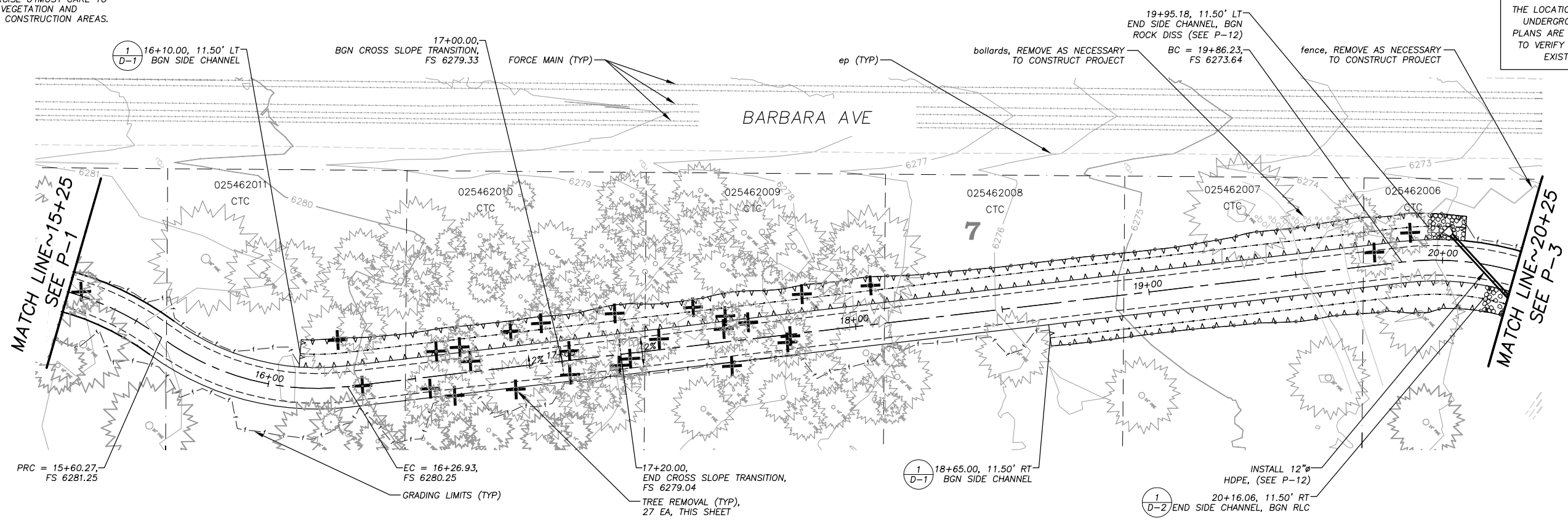
COUNTY OF EL DORADO
 DEPARTMENT OF TRANSPORTATION

SOUTH TAHOE GREENWAY SHARED USE TRAIL
 PHASE 1B & 2
 PHASE 2 STA 10+00 - 15+25

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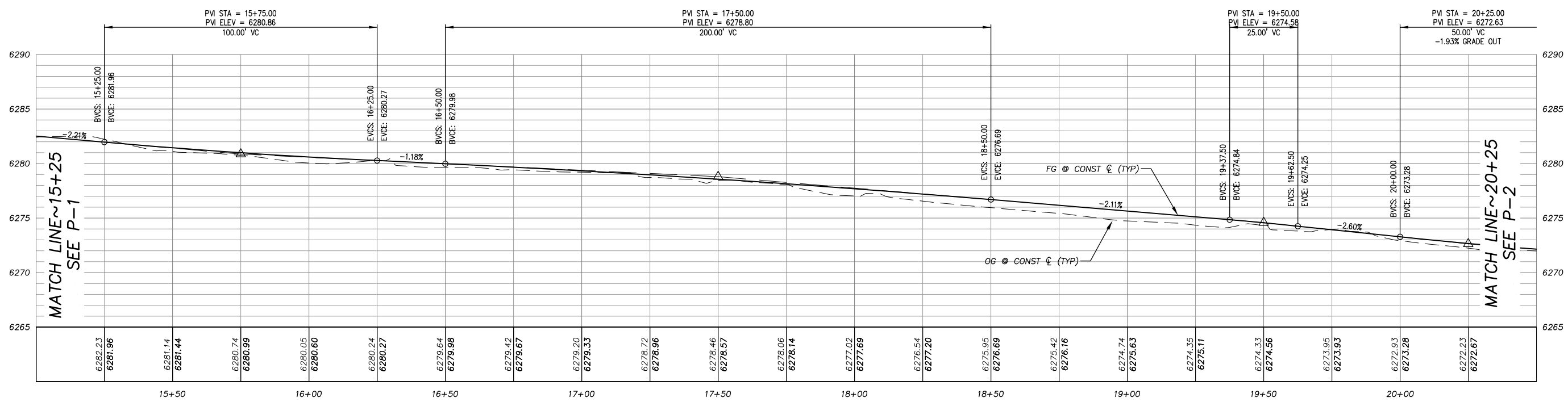
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PLAN & PROFILE
SCALE: HORIZ 1" = 20'
VERT 1" = 5'

PHASE 2 15+25 TO 20+25



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ORIGINAL SCALE IS IN INCHES
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REVISION	NUMBER	DATE	DESCRIPTION	BY



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REGISTERED CIVIL ENGINEER
DATE: **SEPTEMBER 27, 2019**

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ROAD NUMBER: ---

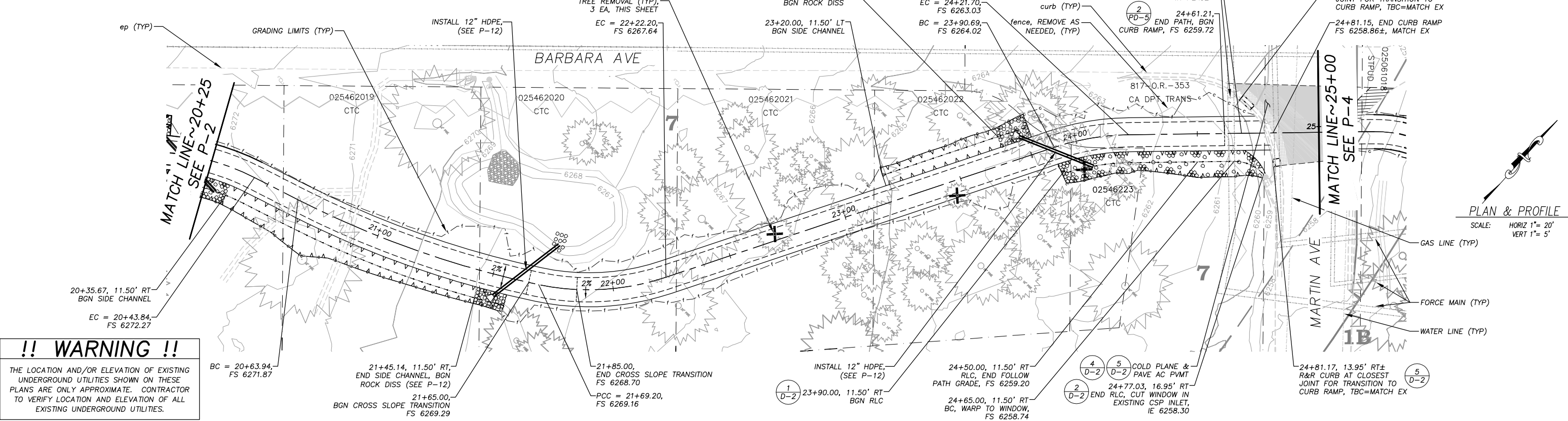


**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

**SOUTH TAHOE GREENWAY SHARED USE TRAIL
PHASE 1B & 2
PHASE 2 STA 15+25 - 20+25**

SHEET **P-2**
8 OF 47
CONTRACT NO. **3785**
CIP No. **95200**

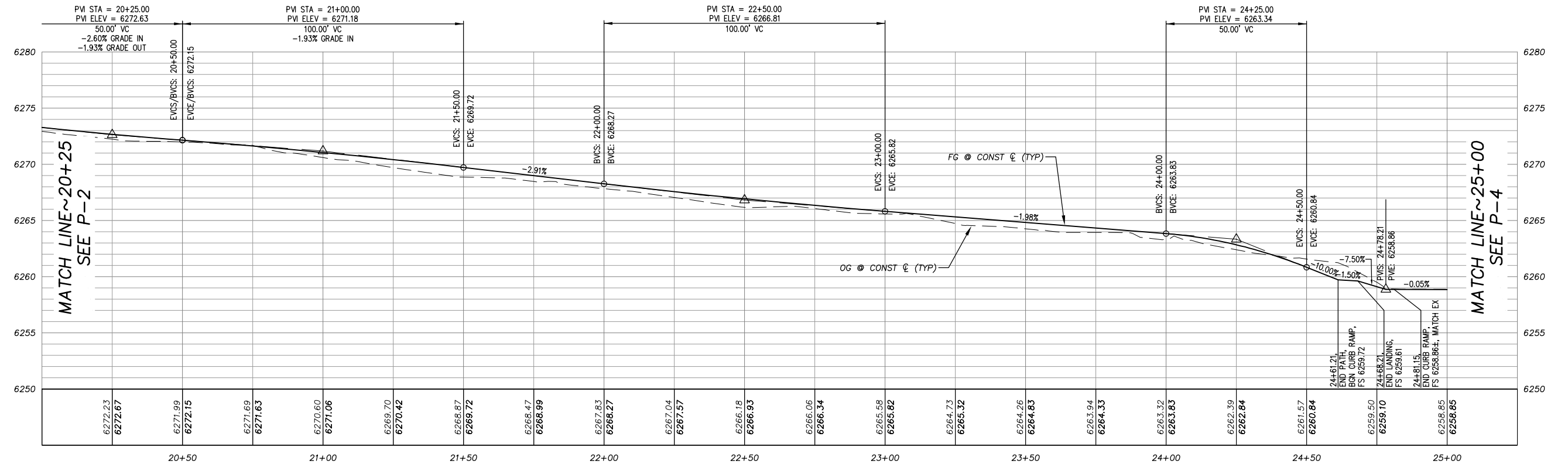
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PLAN & PROFILE
SCALE: HORIZ 1" = 20'
VERT 1" = 5'

PHASE 2 20+25 TO 25+00



DRAWING NAME: \\\02\ba\5\TD-SLT-Engineering\Civil_3D_PROJECTS\95200\Engineering\MP\AN\GP_MP_AN.dwg
ORIGINAL SCALE IS IN INCHES
FOR REDUCED PLANS

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
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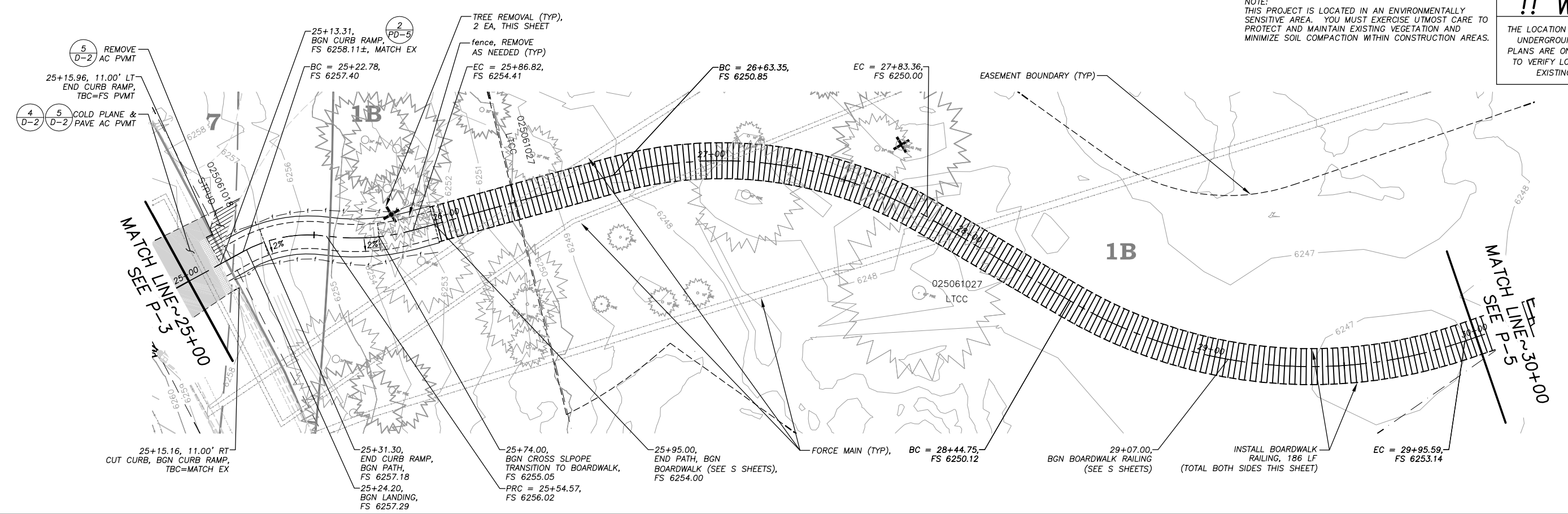
COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

SOUTH TAHOE GREENWAY SHARED USE TRAIL
PHASE 1B & 2
PHASE 2 STA 20+25 - 25+00

SHEET
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CONTRACT NO.
3785
CIP No.
95200

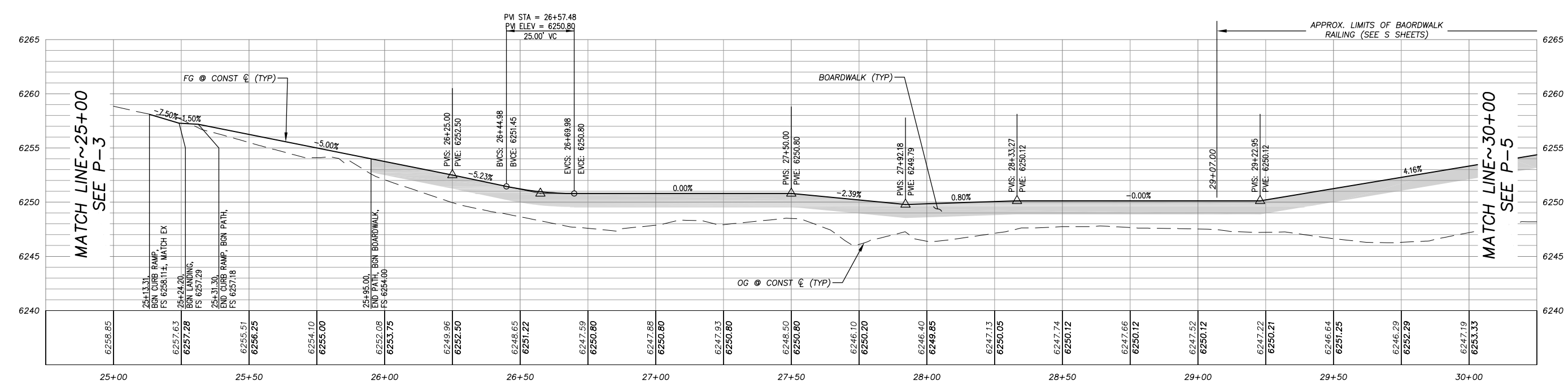
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PLAN & PROFILE
 SCALE: HORIZ 1" = 20'
 VERT 1" = 5'

PHASE 2 25+00 TO 30+00



ORIGINAL SCALE IS IN INCHES
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 FOR REDUCED PLANS
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REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
 SEPTEMBER 27, 2019
 DATE:

DESIGNED: KIS
 DRAWN: KIS
 CHECKED: DSP
 DATE: 09/19
 ROAD NUMBER: ---



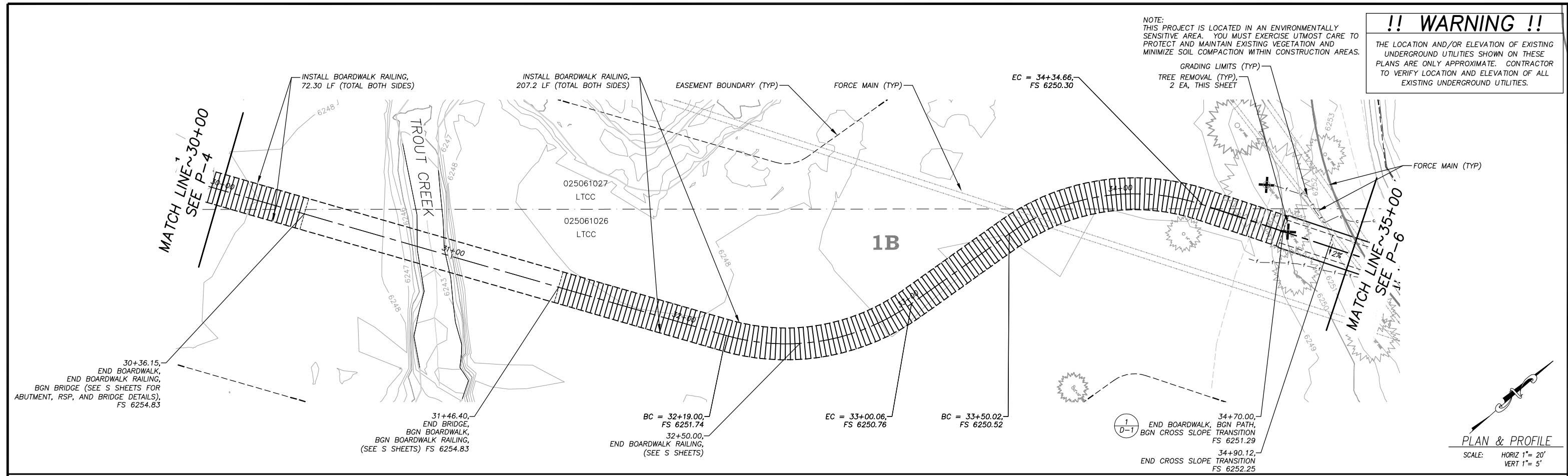
COUNTY OF EL DORADO
 DEPARTMENT OF TRANSPORTATION

SOUTH TAHOE GREENWAY SHARED USE TRAIL
 PHASE 1B & 2
 PHASE 2 STA 25+00 - 30+00

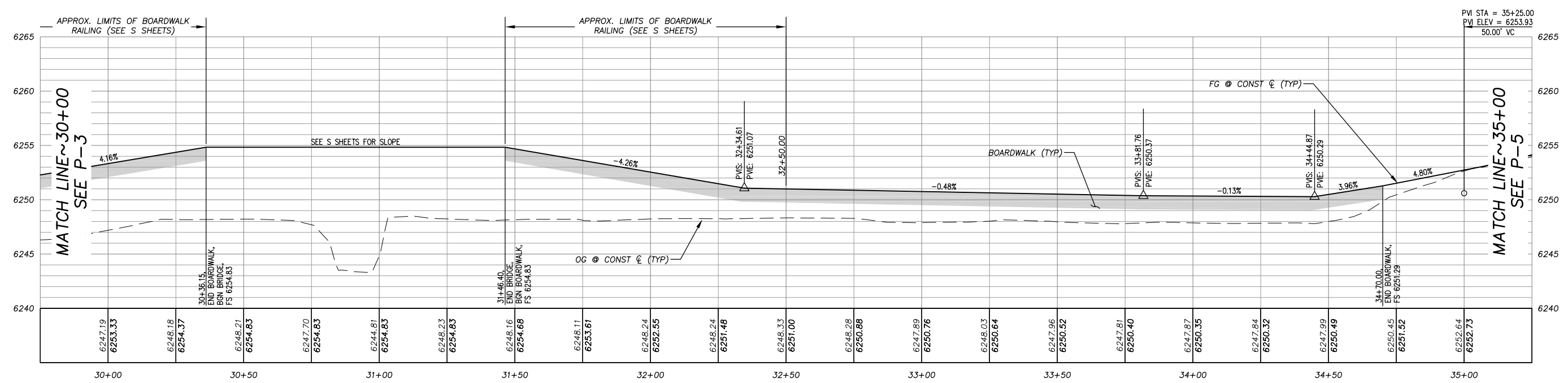
SHEET
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 CONTRACT NO.
3785
 GIP No.
95200

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PHASE 2 30+00 TO 35+00



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 FOR REDUCED PLANS
 REVISION

NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
 SEPTEMBER 27, 2019
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 ROAD NUMBER: ---

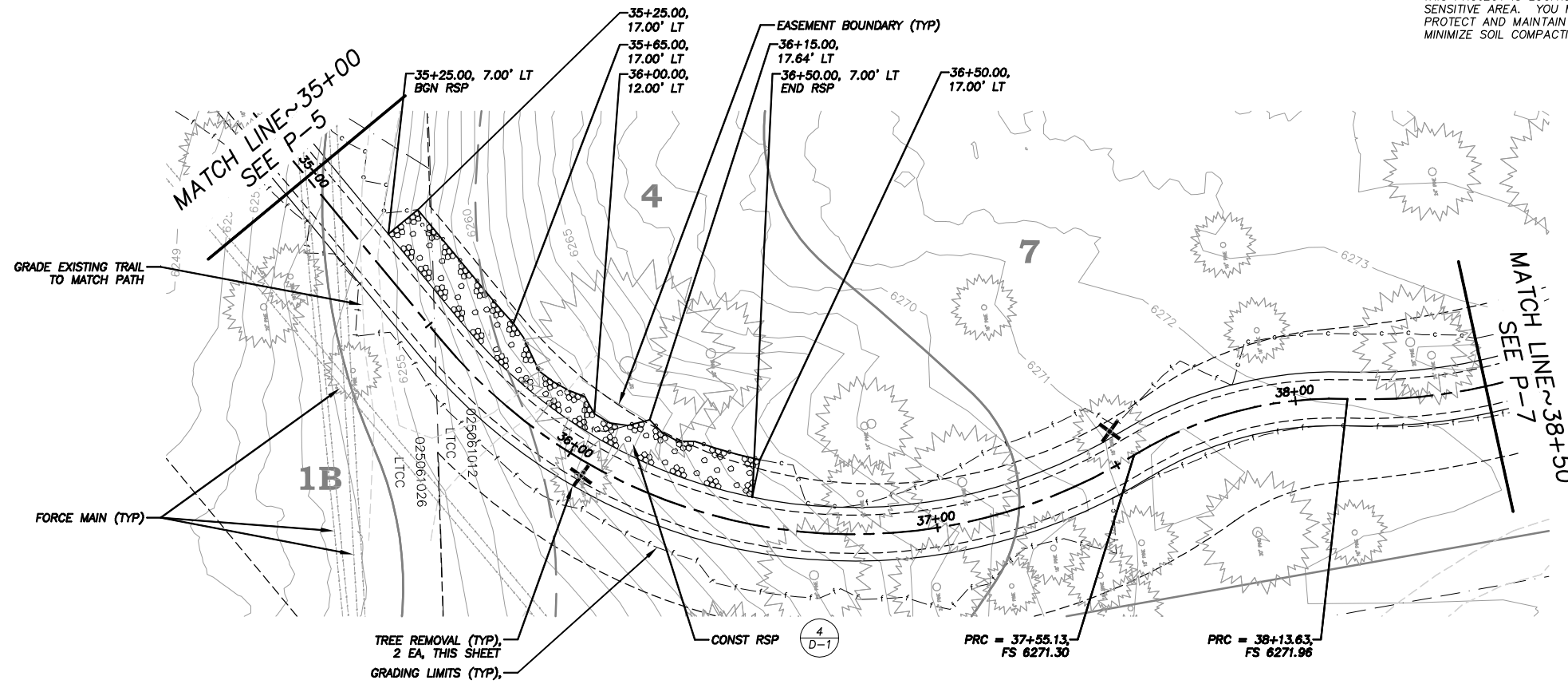


COUNTY OF EL DORADO
 DEPARTMENT OF TRANSPORTATION

SOUTH TAHOE GREENWAY SHARED USE TRAIL
 PHASE 1B & 2
 PHASE 2 STA 30+00 - 35+00

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 CONTRACT NO.
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 CIP No.
95200

NOTE:
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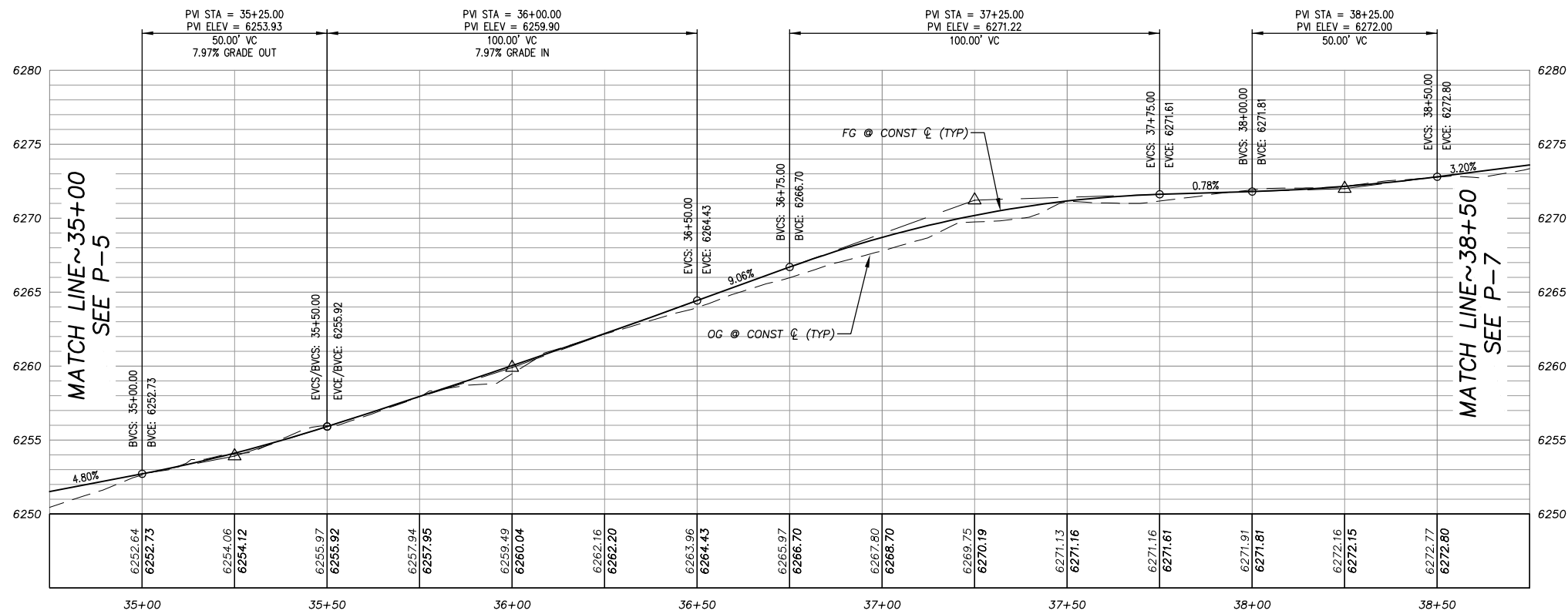


!! WARNING !!

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PLAN & PROFILE
SCALE: HORIZ 1" = 20'
VERT 1" = 5'

PHASE 2 35+00 TO 38+50



DRAWING NAME: \\G0100at\TD-3\1-Engineering\Civil_3D_PROJECTS\3785\3785_Plan_Profile.dwg

ORIGINAL SCALE IS IN INCHES

FOR REDUCED PLANS

REVISION	NUMBER	DATE	DESCRIPTION	BY



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REGISTERED CIVIL ENGINEER
DATE: SEPTEMBER 27, 2019

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DRAWN: KIS
CHECKED: DSP
DATE: 09/19
ROAD NUMBER: ---



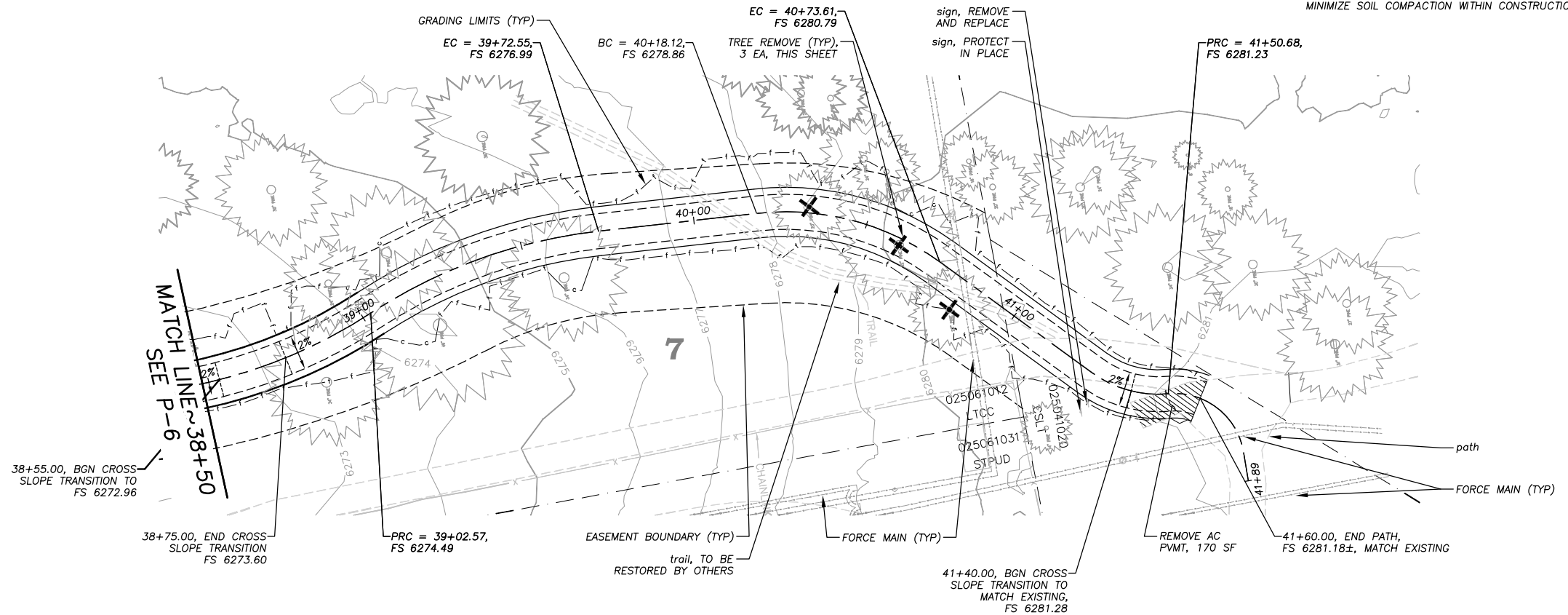
COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

SOUTH TAHOE GREENWAY SHARED USE TRAIL
PHASE 1B & 2
PHASE 2 STA 35+00 - 38+50

SHEET
P-6
12 OF 47
CONTRACT NO.
3785
GIP No.
95200

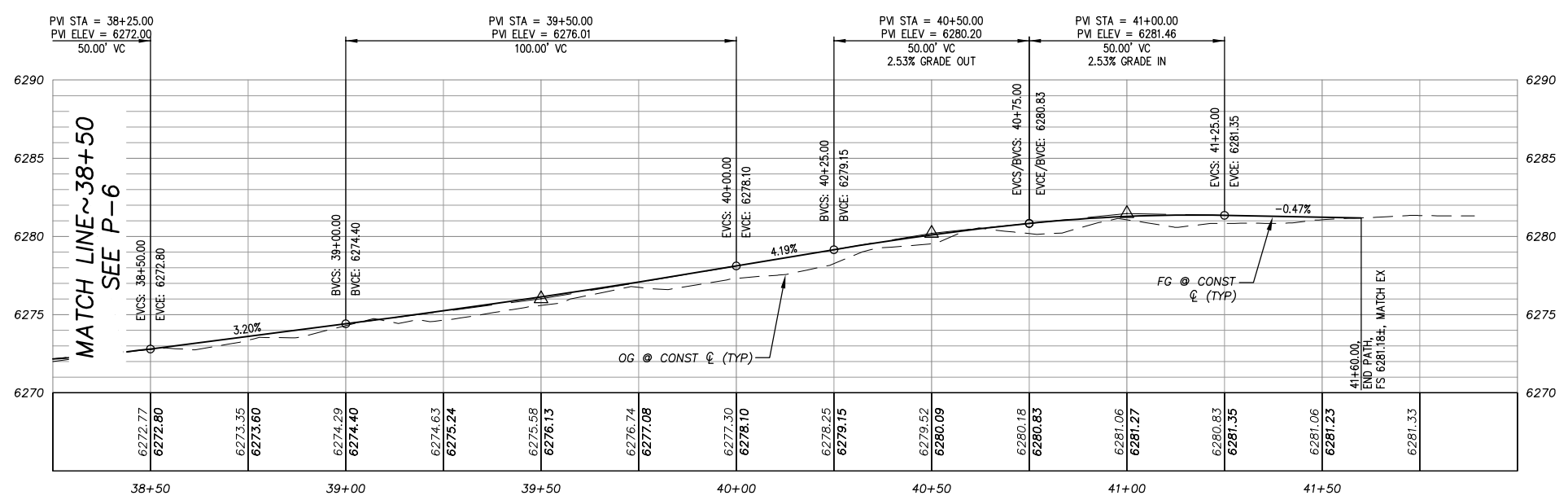
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PLAN & PROFILE
 SCALE: HORIZ 1" = 20'
 VERT 1" = 5'


PHASE 2 38+50 TO 41+89.02



Drawing name: \\CD\Users\TD-SLT-Engineering\19-1351 C 13 of 47 (Engineering)\19-1351 C 13 of 47.dwg
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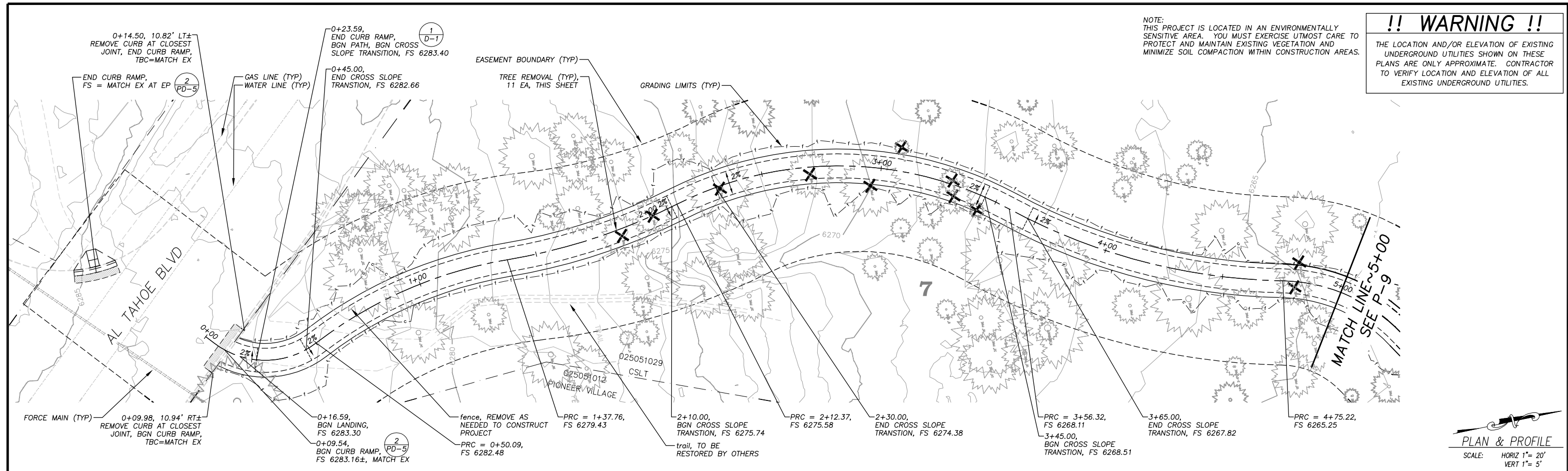
COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

SOUTH TAHOE GREENWAY SHARED USE TRAIL
PHASE 1B & 2
PHASE 2 STA 38+50 - 41+60

SHEET
P-7
 13 OF 47
 CONTRACT NO.
3785
 CIP No.
95200

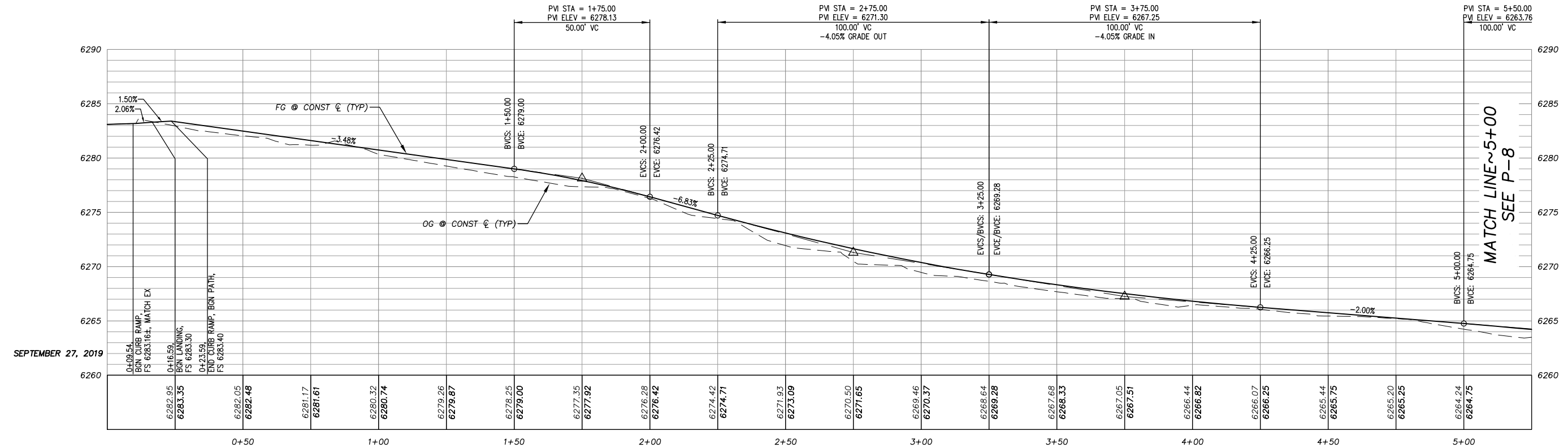
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PLAN & PROFILE
 SCALE: HORIZ 1" = 20'
 VERT 1" = 5'

PHASE 1B 0+00 TO 5+00



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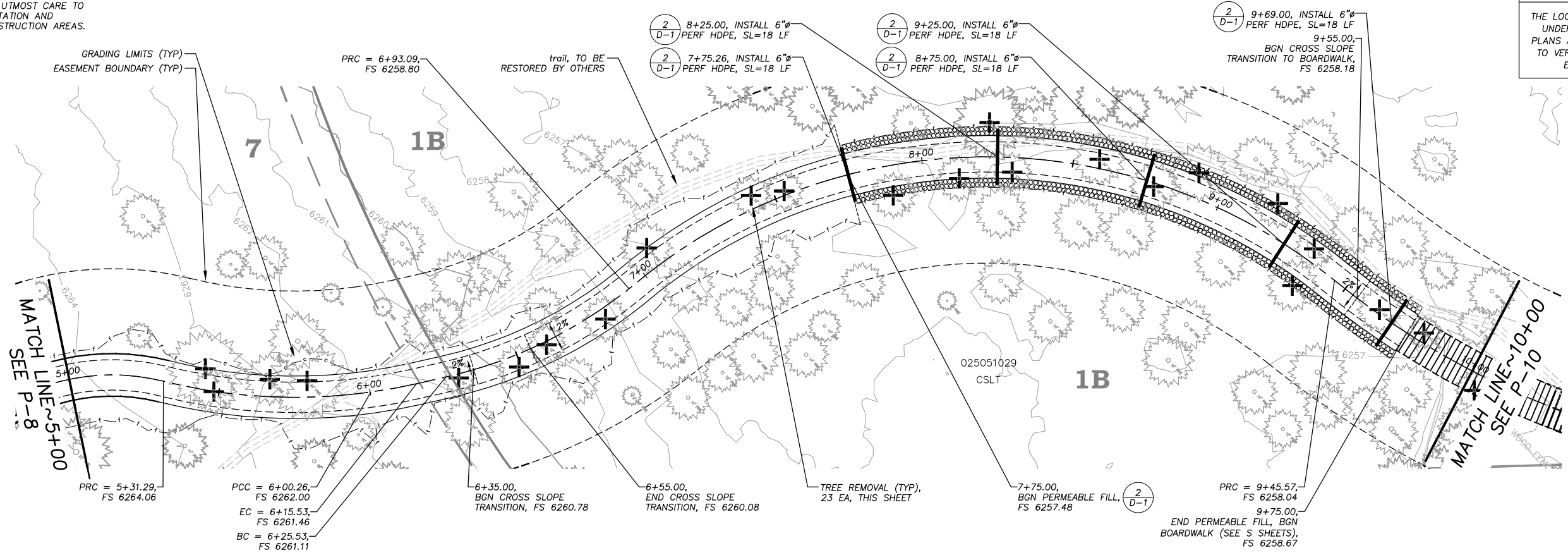
COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

SOUTH TAHOE GREENWAY SHARED USE TRAIL
PHASE 1B & 2
PHASE 1B STA 0+00 - 5+00

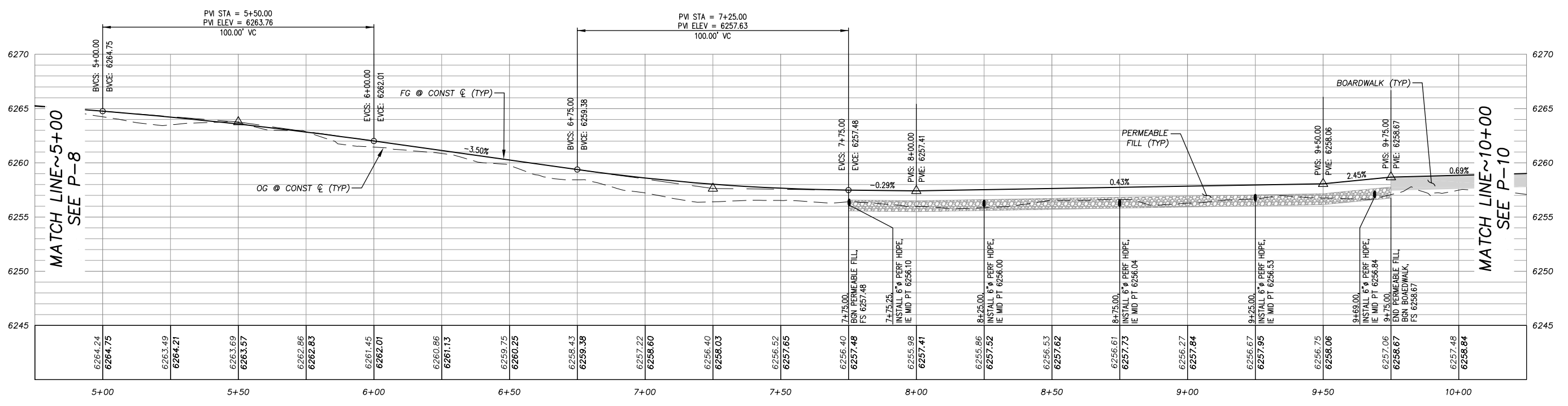
SHEET **P-8**
 14 OF 47
 CONTRACT NO. **3785**
 CIP No. **95200**

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PHASE 1B 5+00 TO 10+00



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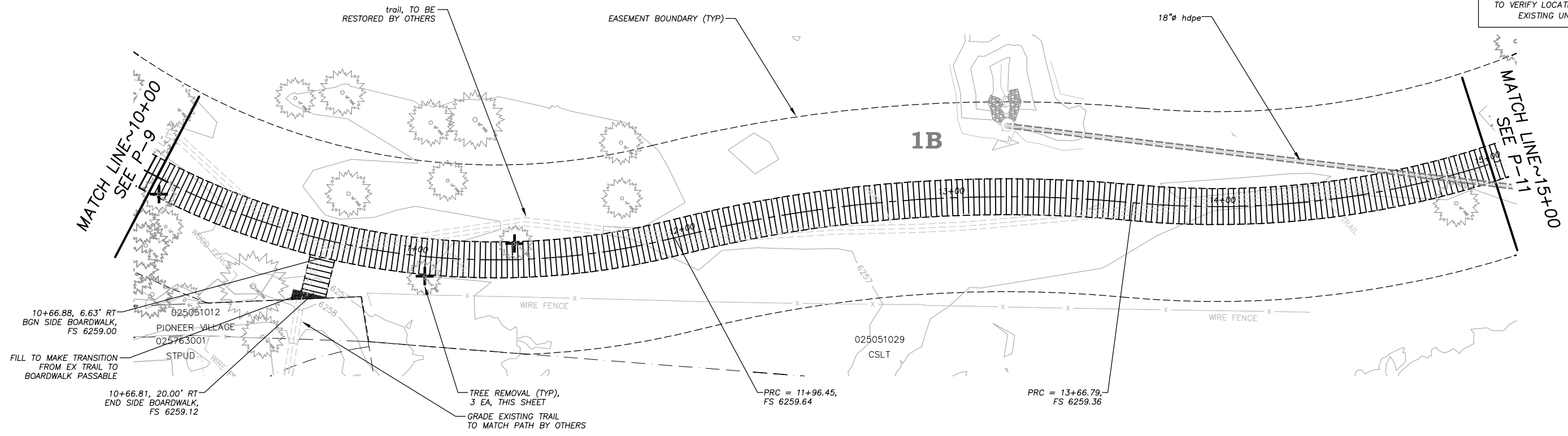
**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

**SOUTH TAHOE GREENWAY SHARED USE TRAIL
PHASE 1B & 2
PHASE 1B STA 5+00 - 10+00**

SHEET **P-9**
15 OF 47
CONTRACT NO. **3785**
CIP No. **95200**

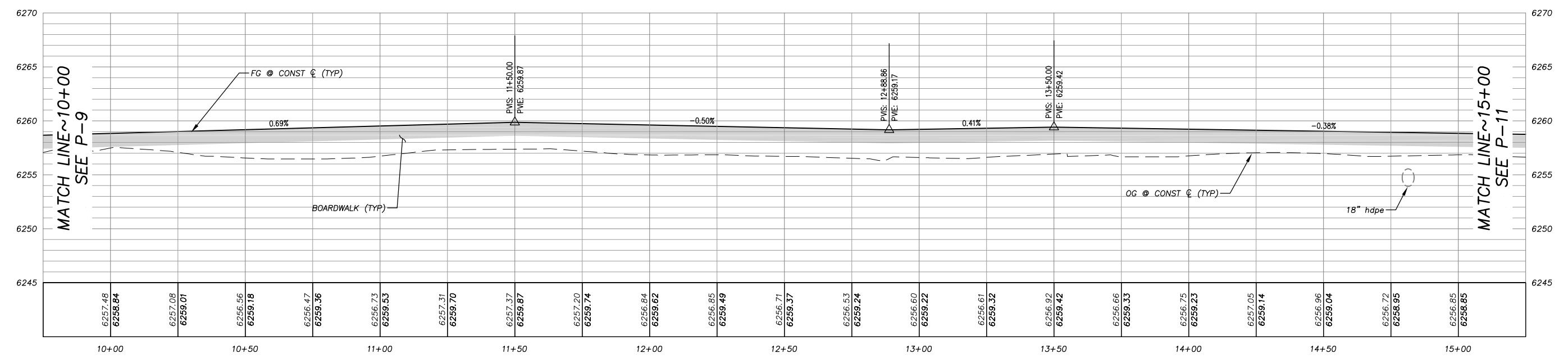
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PLAN & PROFILE
 SCALE: HORIZ 1" = 20'
 VERT 1" = 5'

PHASE 1B 10+00 TO 15+00



Drawing name: \\CD\Users\TD-SLT-Engineering\Civil_3D_PROJECTS\95200\Engineering\MP\AN\GP_MP_AN.dwg
 ORIGINAL SCALE IS IN INCHES
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 FOR REDUCED PLANS
 REVISION

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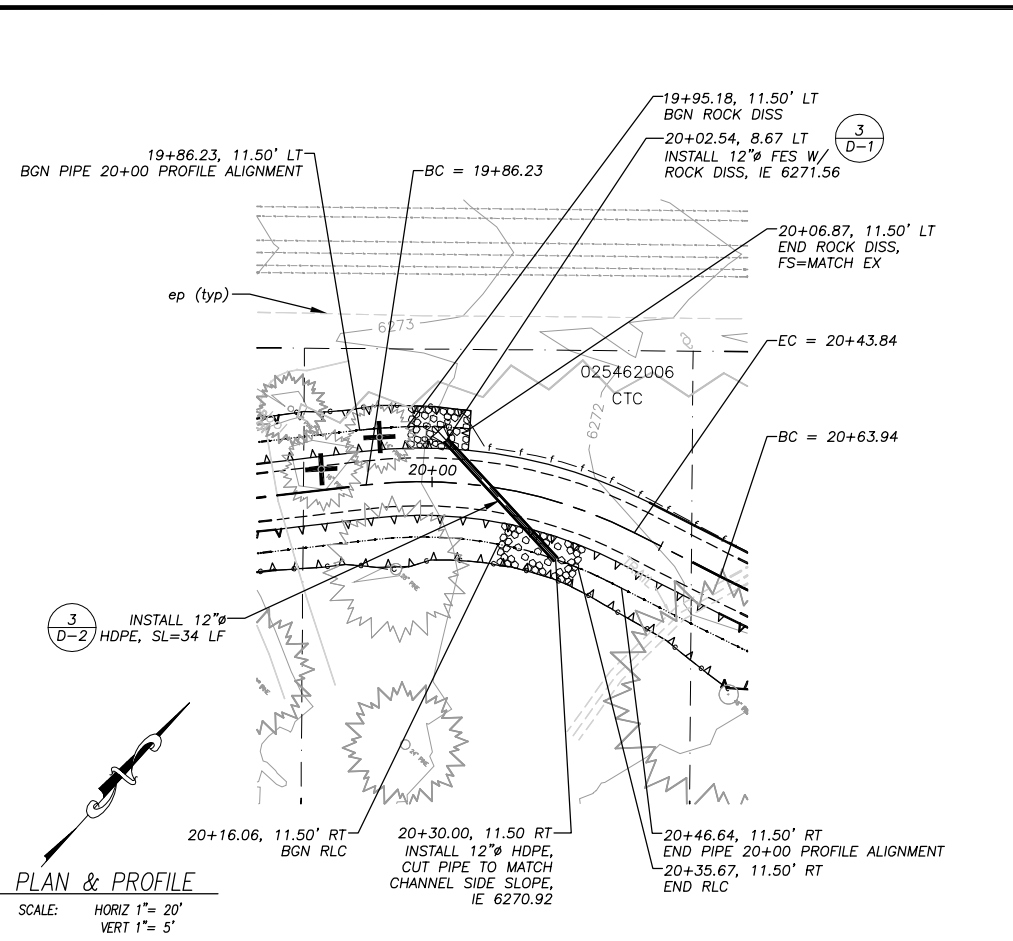


COUNTY OF EL DORADO
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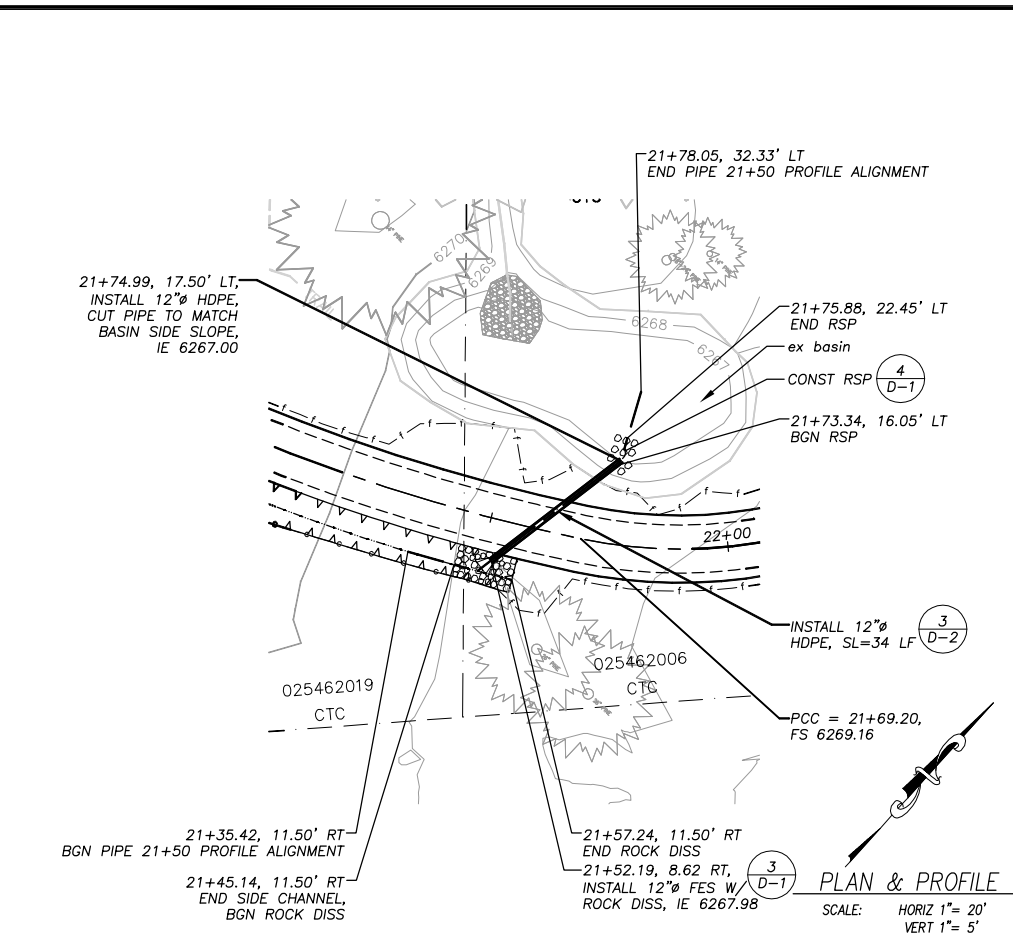
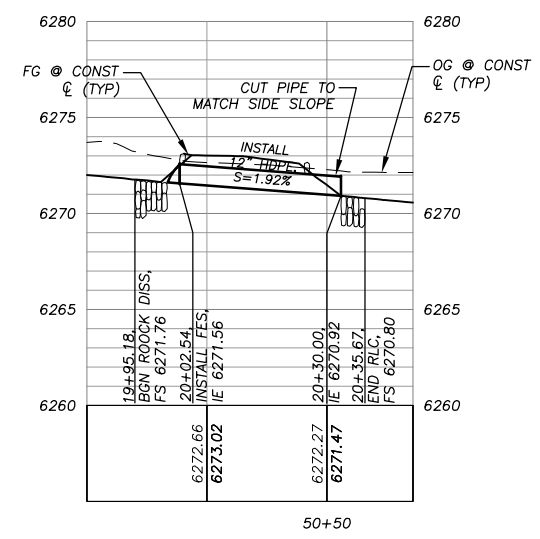
SOUTH TAHOE GREENWAY SHARED USE TRAIL
 PHASE 1B & 2
 PHASE 1B STA 10+00 - 15+00

SHEET
P-10
 16 OF 47
 CONTRACT NO.
3785
 CIP No.
95200

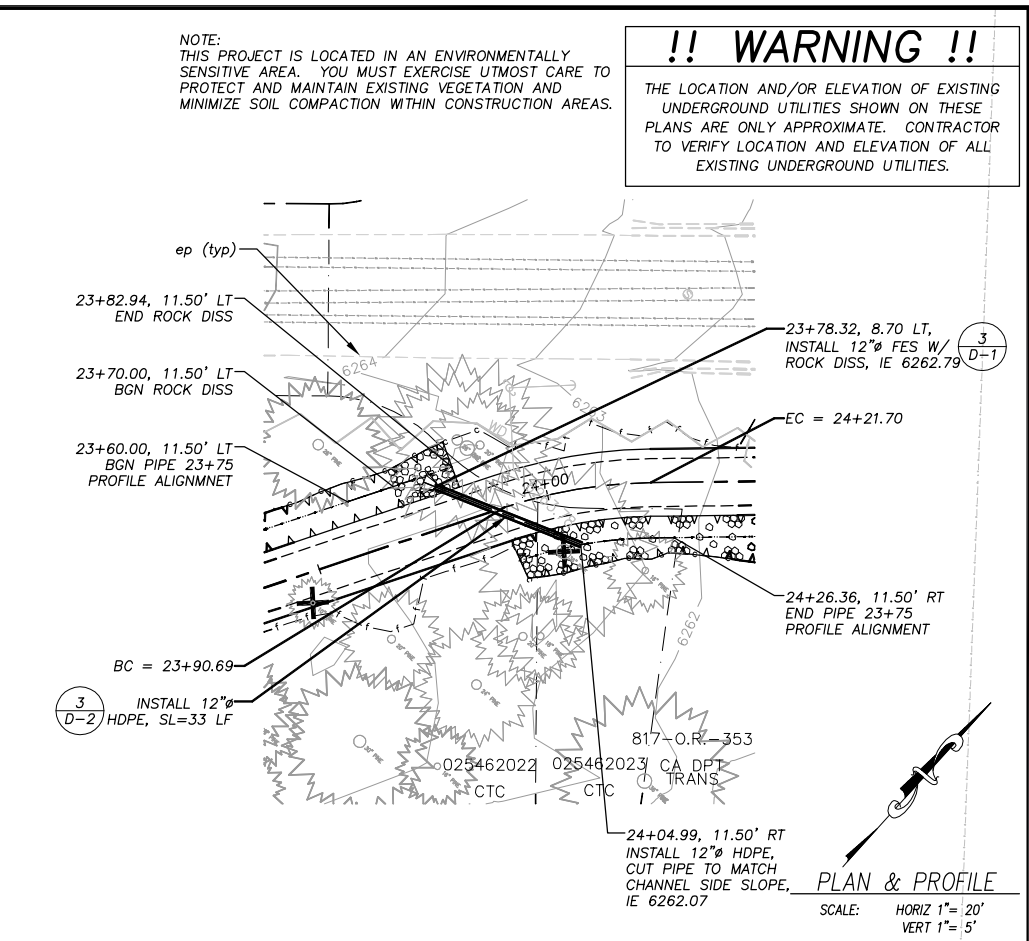
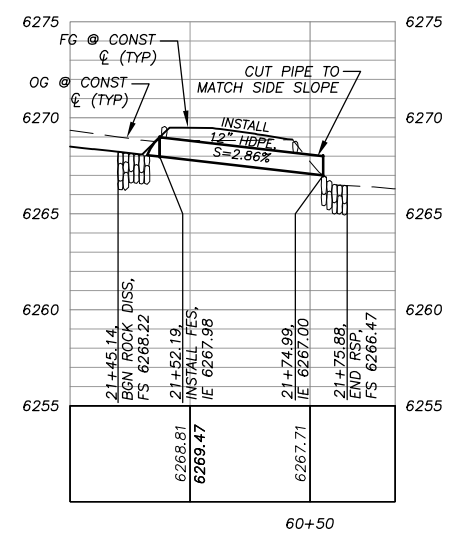
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FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES
2
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REVISION
NUMBER DATE DESCRIPTION BY



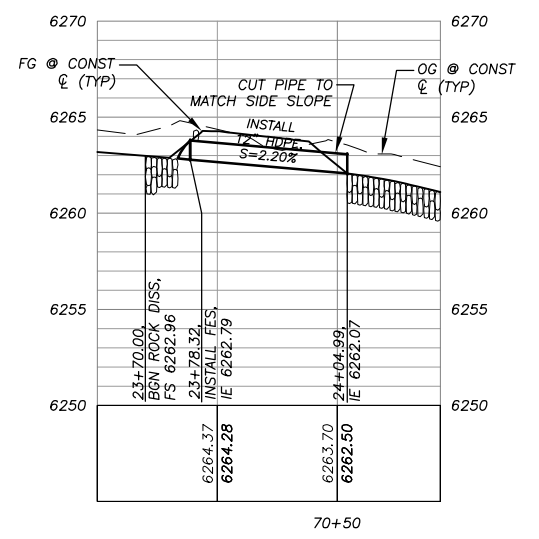
PIPE 20+00



PIPE 21+50



PIPE 23+75



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ROAD NUMBER: ---

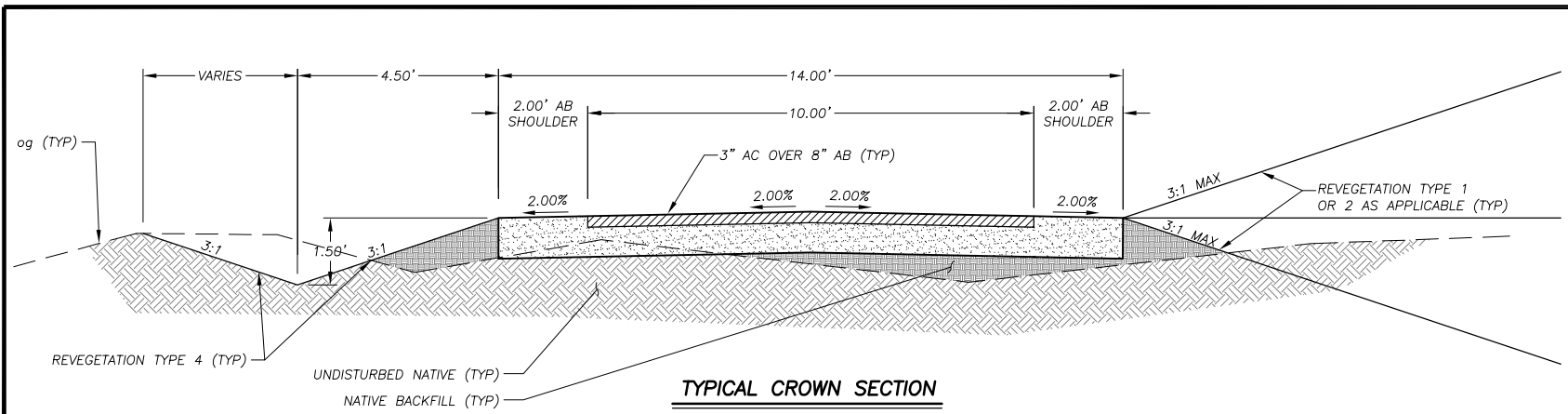


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

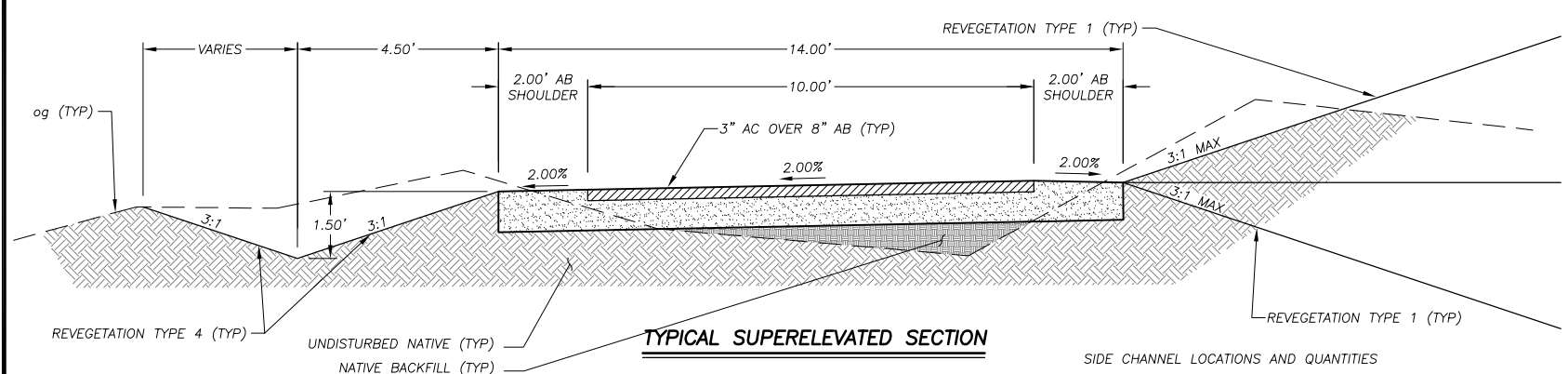
SOUTH TAHOE GREENWAY SHARED USE TRAIL
PHASE 1B & 2
PHASE 2 PIPE CROSSINGS

SHEET
P-12
18 of 47
CONTRACT NO.
3785
CIP No.
95200

Drawing name: \C:\Data\15\15-TL-SL-Engineering\CIVIL 3D PROJECTS\95200\Engineering\MPL\AN\GBR_11-12.dwg
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES



TYPICAL CROWN SECTION

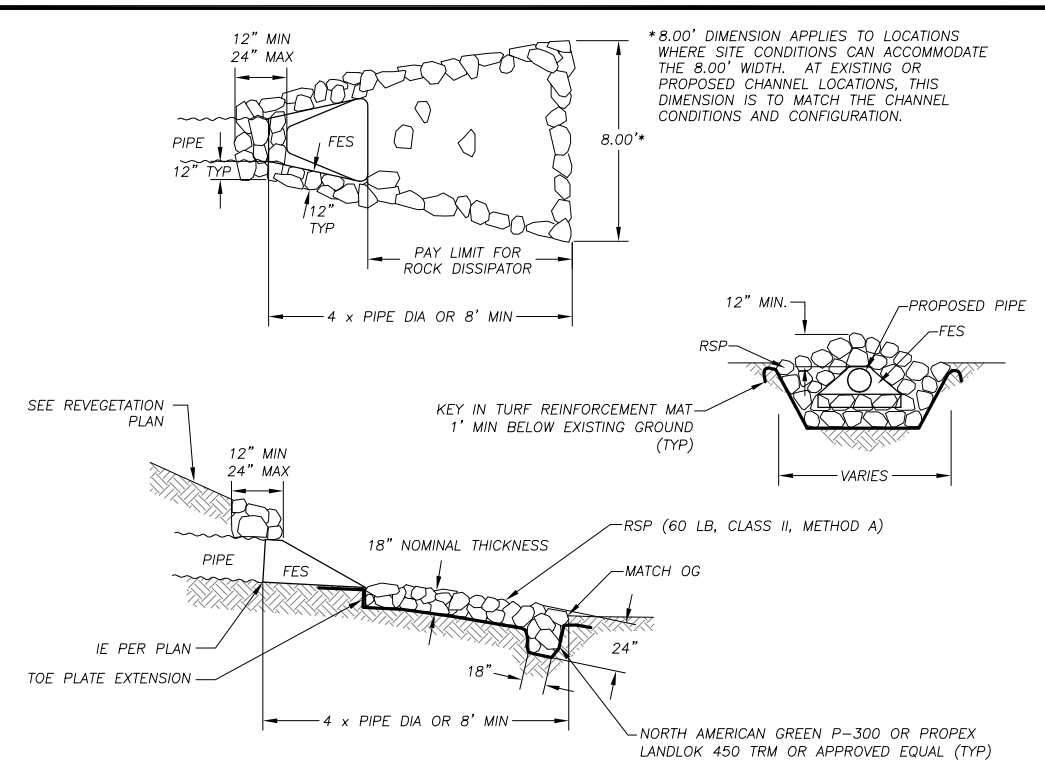


TYPICAL SUPERELEVATED SECTION

- NOTES:
- ABOVE SHOWS A CROWNED SECTION, A SUPERELEVATED SECTION TO ONE SIDE AND A CHANNEL ON ONE SIDE. THE ACTUAL CONFIGURATION COULD HAVE A SUPERELEVATED TO EITHER SIDE, A CHANNEL EITHER SIDE, BOTH SIDES, OR NEITHER SIDE. THE ACTUAL CONFIGURATION IS PER PLAN. SEE TABLE FOR CHANNEL LOCATIONS AND QUANTITIES.
 - THE TIE-IN DISTANCE VARIES AND IS TYPICALLY 10' MAX. THE ACTUAL DISTANCES ARE SHOWN ON THE CROSS SECTIONS SHEETS AND WILL BE ADJUSTED IN THE FIELD TO MINIMIZE THE IMPACT TO THE EDGE OF SHOULDER.

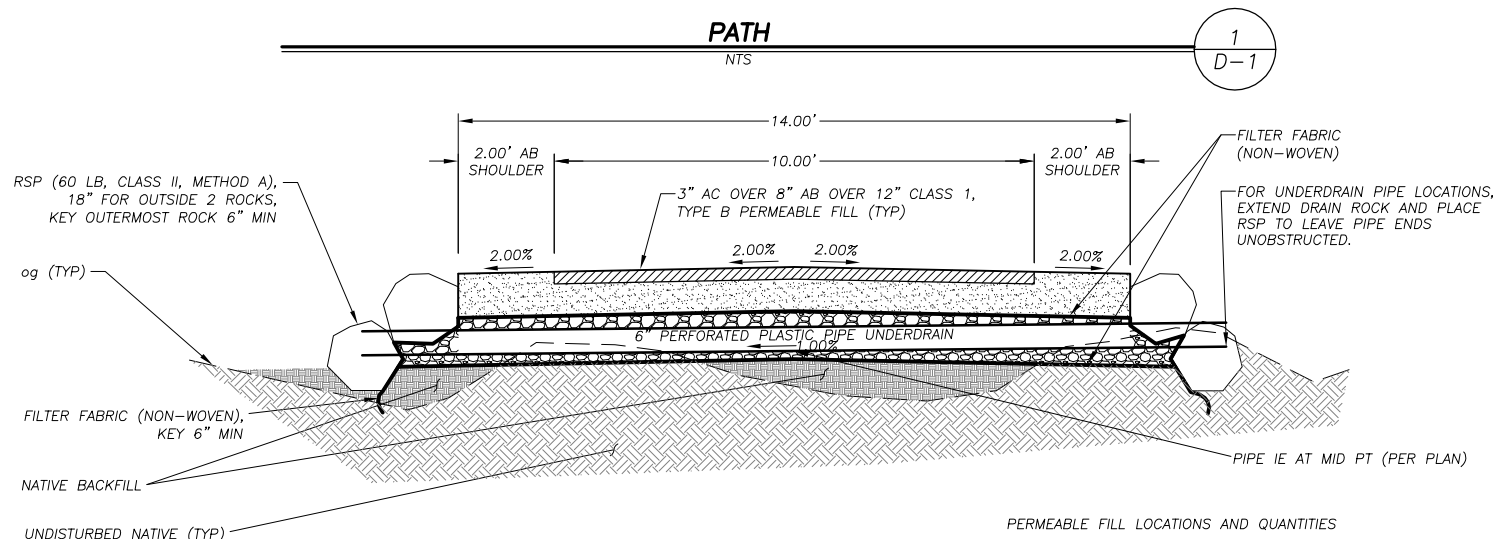
SIDE CHANNEL LOCATIONS AND QUANTITIES

PLAN SHEET	STATIONING	EXCAVATION (CY)
P-2	16+10 11.5' LT - 19+95.18 11.5' LT	84
P-2	18+65 11.5' RT - 20+16.06 11.5' RT	23
P-3	20+35.67 11.5' RT - 21+45.14 11.5' RT	17
P-3	23+20 11.5' LT - 23+70 11.5' RT	8



PLAN SHEET	STREET AND STATIONING	ROCK (CY)	EXCAVATION (CY)	AVERAGE LENGTH, L	AVERAGE WIDTH, W
P-2, P-12	19+95.18 11.5' LT	6	8	12'	8.5'
P-3, P-12	21+45.14 11.5' RT	4	5	12'	7.0'
P-3, P-12	23+70 11.5' LT	7	11	13'	9'

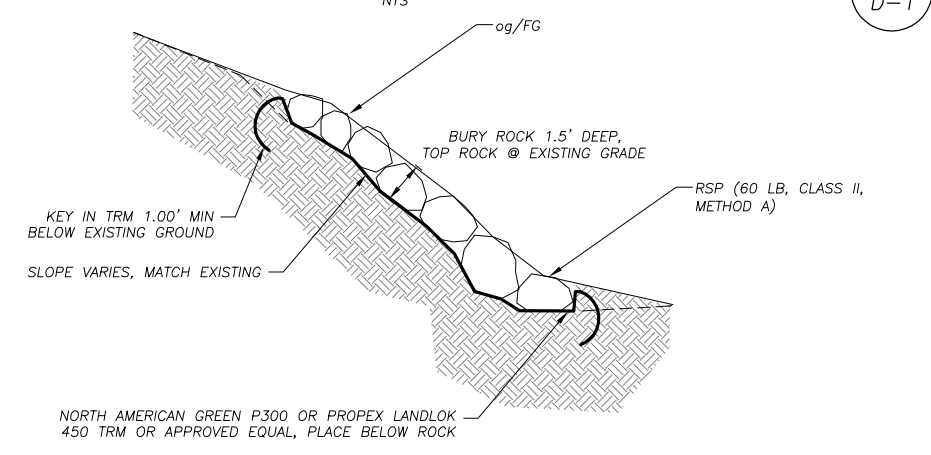
FLARED END SECTION AND ROCK DISSIPATOR



PERMEABLE FILL LOCATIONS AND QUANTITIES

PLAN SHEET	STATIONING	PERMEABLE FILL (CY)	NO. 1 BACKING (CY)
P-9	7+75 - 9+75	113	87
P-11	15+50 - 18+78.20	182	139

PERMEABLE FILL



PLAN SHEET	STATIONING	ROCK/EXCAVATION (CY)
P-6	NEAR 35+25 LT	61
P-12	NEAR 21+73 LT	2

ROCK SLOPE PROTECTION

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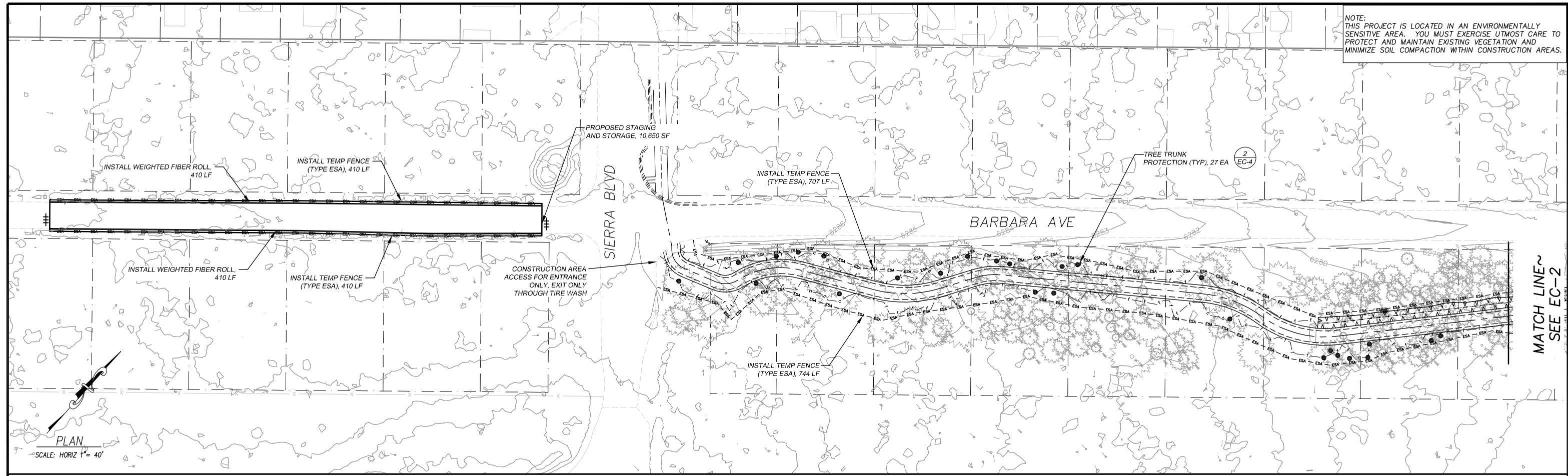


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

SOUTH TAHOE GREENWAY SHARED USE TRAIL
PHASE 1B & 2
DETAILS

SHEET
D-1
19 OF 47
CONTRACT NO.
3785
CIP No.
95200

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MATCH LINE~
SEE EC-2

Drawing name: \\D:\Users\TD-SIT-Engineering\Civil_3D_PROJECTS\3785\378500\Engineering\NIP\NIP-EC-1-EC-2.dwg

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PLAN
SCALE: HORIZ 1" = 40'

LEGEND

- > SEDIMENT CONTROL
- # TRAFFIC BARRICADE
- TREE TRUNK PROTECTION
- 7 LAND CAPABILITY DESIGNATION
- LAND CAPABILITY DESIGNATION
- LAND CAPABILITY 1B SETBACK
- - - - REINFORCED SILT FENCE
- - - - TEMPORARY FENCE (TYPE ESA)
- - - - EDGE OF PAVEMENT
- - - - RIGHT OF WAY/PROPERTY LINE
- ===== CONCRETE CURB AND GUTTER
- ▷ PROPOSED FLARED END SECTION
- ▬ PROPOSED PIPE
- ⊙ PROPOSED ROCK
- ~ ~ ~ ~ ~ PROPOSED CHANNEL
- ▭ PROPOSED STAGING, STORAGE, OR TIRE WASH AREAS

NOTES:

1. FOR ACCESS TO CONSTRUCTION AREA ADJACENT TO BARBARA AVE, THE ACCESS AT SIERRA BLVD AND MARTIN AVE ARE FOR ENTRANCE ONLY. TO LEAVE THE WORK AREA, USE THE ACCESS WITH THE TIRE WASH NEAR THE STA 19+50 LT.
2. FOR STAGING AND STORAGE AREAS ON PAVEMENT, PLACE TEMPORARY FENCE (TYPE ESA) IN SHOULDER AND PLACE FIBER ROLLS ON EP TO CONTAIN SEDIMENT WITH IN THE PAVED AREAS.
3. YOUR ATTENTION IS DIRECTED TO THE SWPPP, TEMPORARY EROSION CONTROL SHEETS, REVEGETATION PLAN SHEET, AND THE SPECIAL PROVISIONS REGARDING TEMPORARY EROSION CONTROL REQUIREMENTS FOR STAGING AREAS.
4. STAGING AREAS SHOWN ARE FOR THE TEMPORARY STORAGE OF CONSTRUCTION MATERIALS AND EQUIPMENT WHICH ARE TO BE USED ON THIS PROJECT.

TEMPORARY EROSION CONTROL SUMMARY OF QUANTITIES						
PLAN SHEET	TEMPORARY CONSTRUCTION ENTRANCE	DRAIN INLET PROTECTION	TEMPORARY FIBER ROLL	REINFORCED SILT FENCE	TEMPORARY FENCE (TYPE ESA)	TEMPORARY FENCE (TYPE ESA) TREE TRUNK PROTECTION
EC-1	-	-	820	-	2,271	27
EC-2	3	4	-	1,157	4,586	34
EC-3	2	-	-	101	3,805	24
TOTALS	5	4	820	1,258	10,662	85

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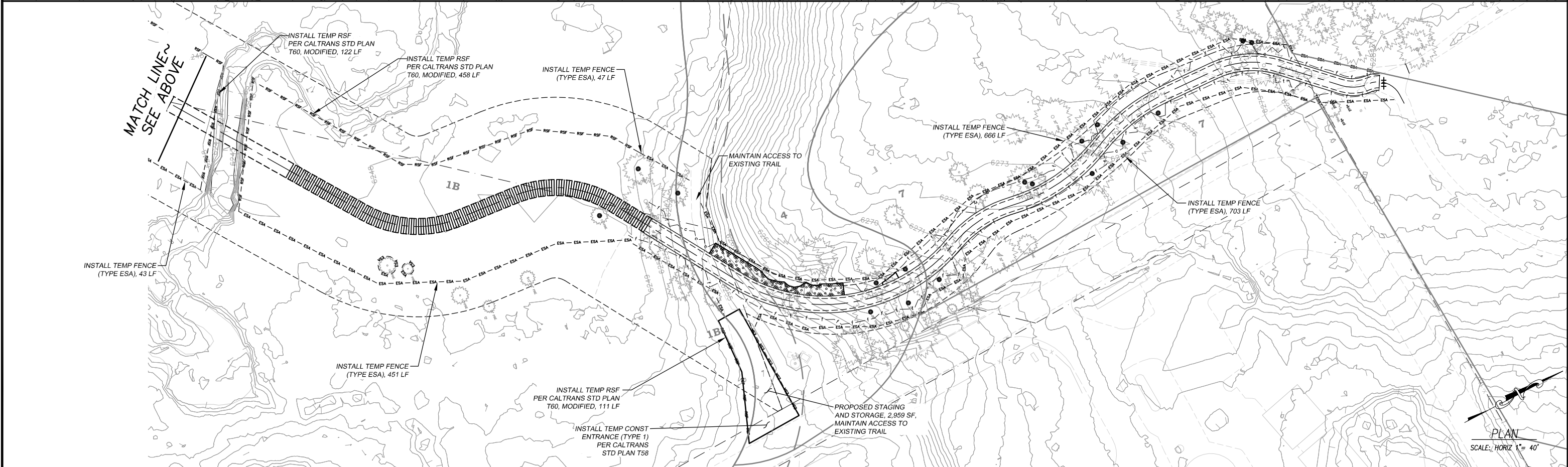
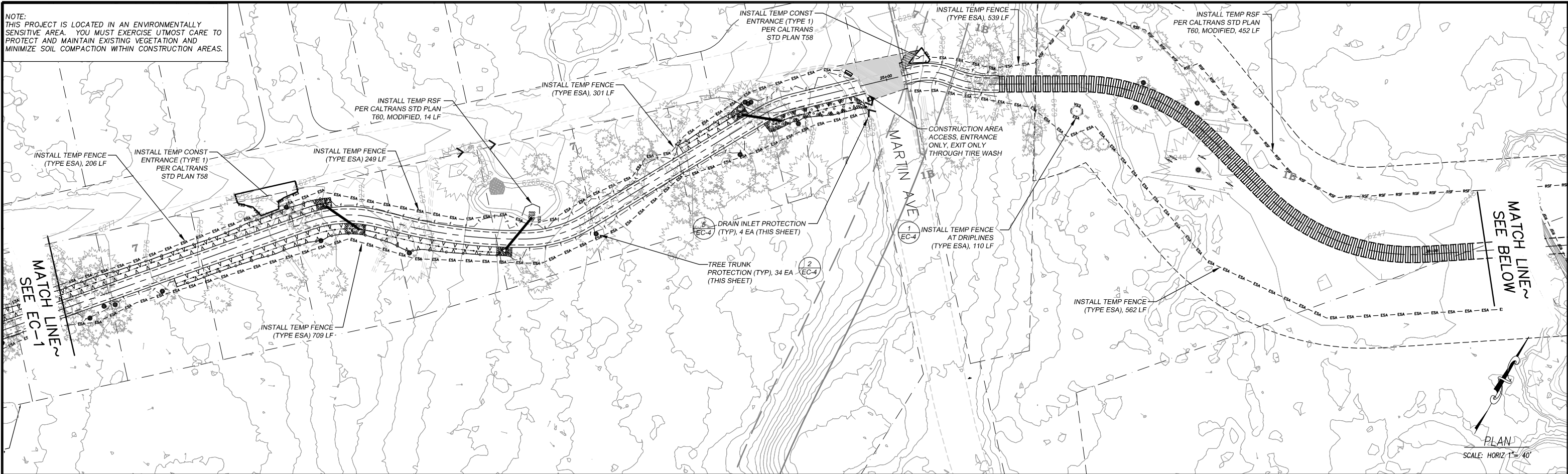


**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

**SOUTH TAHOE GREENWAY SHARED USE TRAIL
PHASE 1B & 2
TEMPORARY EROSION CONTROL PLAN**

SHEET
EC-1
21 of 47
CONTRACT NO.
3785
CIP No.
95200

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Drawing name: \\D:\Users\TD-SIT-Engineering\Civil_3D_PROJECTS\191351\191351-000\Engineering\NIP\AN\GP_EC1-EC2.dwg

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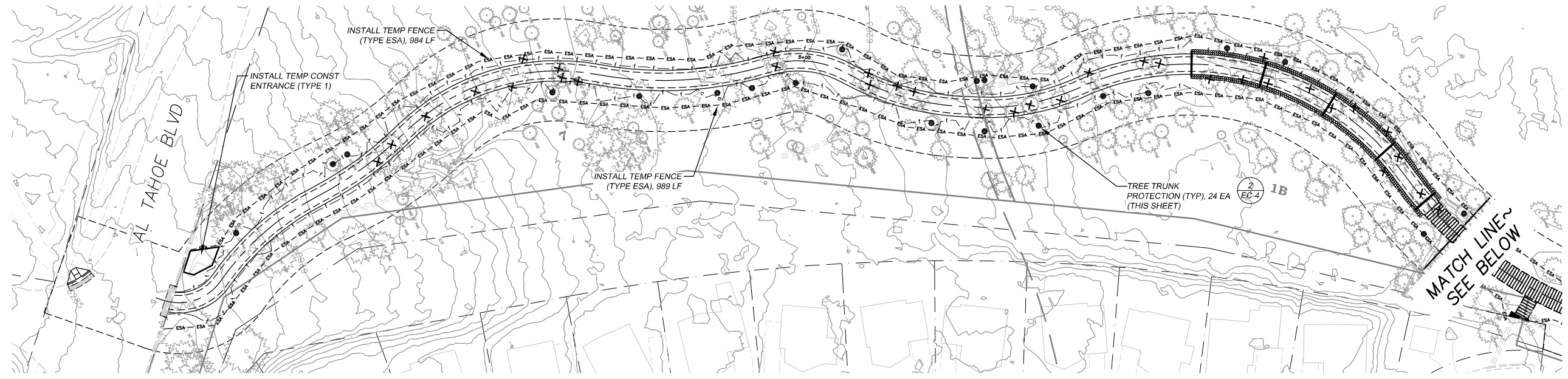
COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

SOUTH TAHOE GREENWAY SHARED USE TRAIL
PHASE 1B & 2
TEMPORARY EROSION CONTROL PLAN

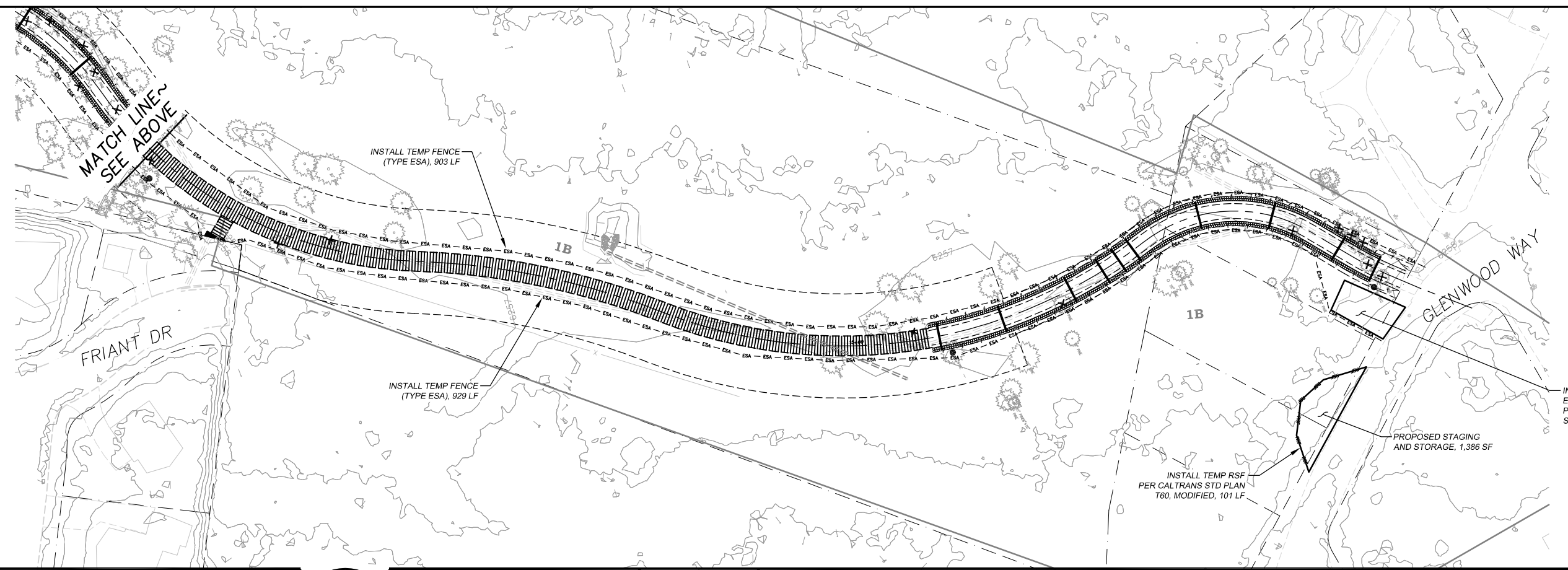
SHEET
EC-2
22 of 47
CONTRACT NO.
3785
CIP No.
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PLAN
 SCALE: HORIZ 1" = 40'



PLAN
 SCALE: HORIZ 1" = 40'

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 ORIGINAL SCALE IS IN INCHES
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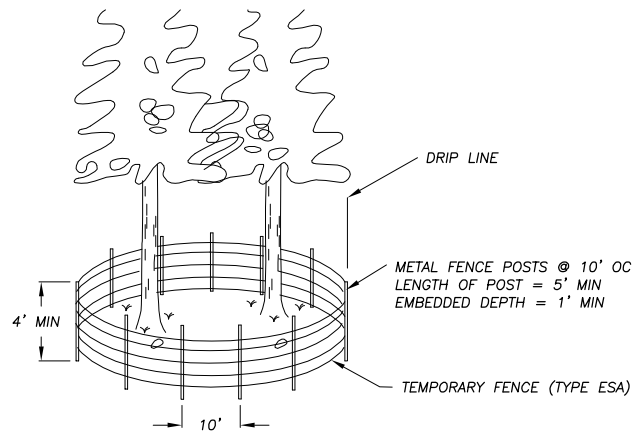
COUNTY OF EL DORADO
 DEPARTMENT OF TRANSPORTATION

SOUTH TAHOE GREENWAY SHARED USE TRAIL
 PHASE 1B & 2
 TEMPORARY EROSION CONTROL PLAN

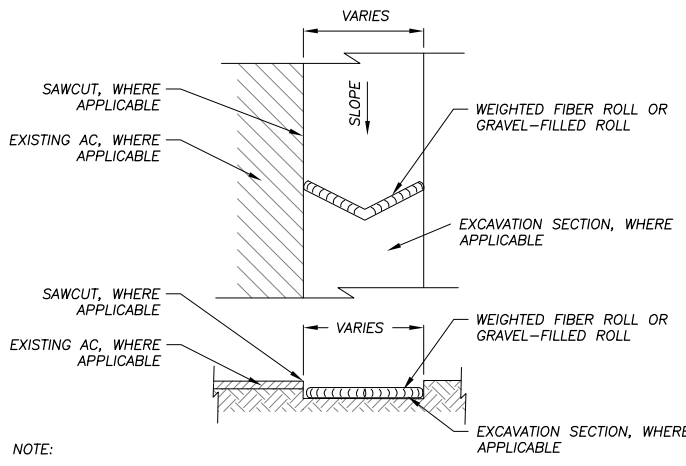
SHEET
EC-3
 23 OF 47
 CONTRACT NO.
3785
 CIP No.
95200

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FOR REDUCED PLANS
2 ORIGINAL SCALE IS IN INCHES
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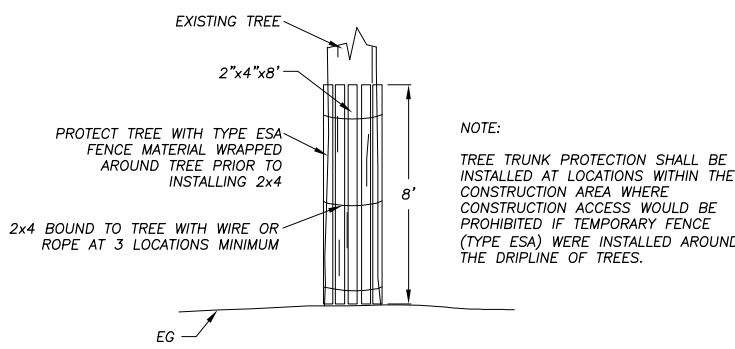


TEMPORARY FENCE (TYPE ESA) AT DRIPLINES 1
NTS EC-2



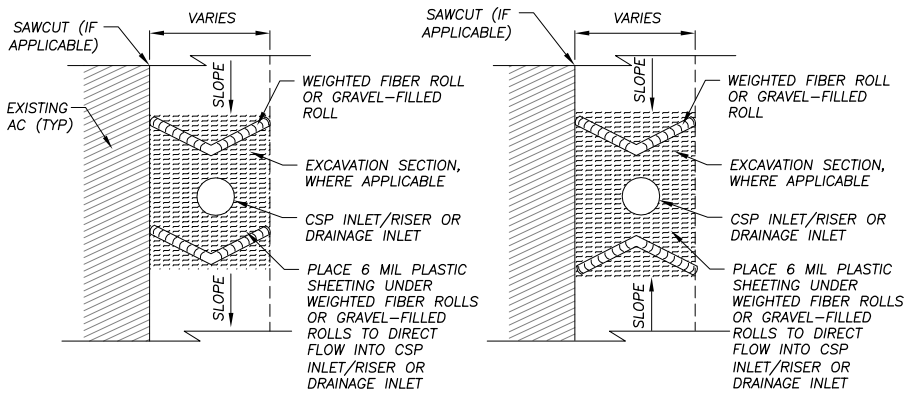
NOTE:
SPACING INTERVALS FOR WEIGHTED FIBER ROLL OR GRAVEL-FILLED ROLL TEMPORARY SEDIMENT CONTROL ON GRADE SHALL BE AT 50' OC FOR SLOPES GREATER THAN 5% AND AT 100' OC FOR SLOPES LESS THAN OR EQUAL TO 5%.

WEIGHTED FIBER ROLLS OR GRAVEL-FILLED ROLLS 4
NTS EC-2



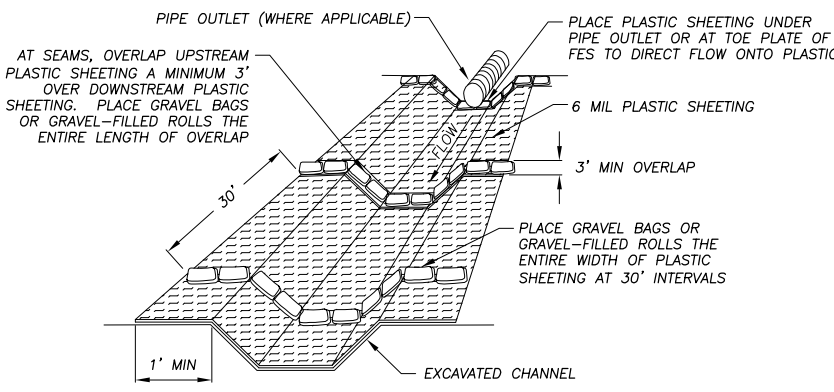
NOTE:
TREE TRUNK PROTECTION SHALL BE INSTALLED AT LOCATIONS WITHIN THE CONSTRUCTION AREA WHERE CONSTRUCTION ACCESS WOULD BE PROHIBITED IF TEMPORARY FENCE (TYPE ESA) WERE INSTALLED AROUND THE DRIPLINE OF TREES.

WOODEN TREE TRUNK PROTECTION 2
NTS EC-2



NOTE:
SEE ALSO TYPE 2 OR TYPE 3A, CALTRANS STD PLANS T61 AND T62.

DRAIN INLET PROTECTION 5
NTS EC-2



PLASTIC SHEETING WITH GRAVEL BAGS OR GRAVEL-FILLED ROLLS 3
NTS EC-2

NOT USED 6
NTS EC-2

- GENERAL NOTES:
1. LOCATIONS AND LF OF TEMPORARY REINFORCED SILT FENCE REQUIRED FOR THE STAGING AREAS ARE NOT SHOWN. YOU ARE TO INCLUDE THESE AREAS IN YOUR TEMPORARY EROSION CONTROL PLAN SUBMITTAL.
 2. LENGTHS OF TEMPORARY REINFORCED SILT FENCE AND TEMPORARY FENCE (TYPE ESA) DOES NOT INCLUDE MINIMUM LIMITS FOR TREE PROTECTION. TREE PROTECTION FENCING IS TO BE AS SHOWN AND/OR AS DETERMINED IN THE FIELD.

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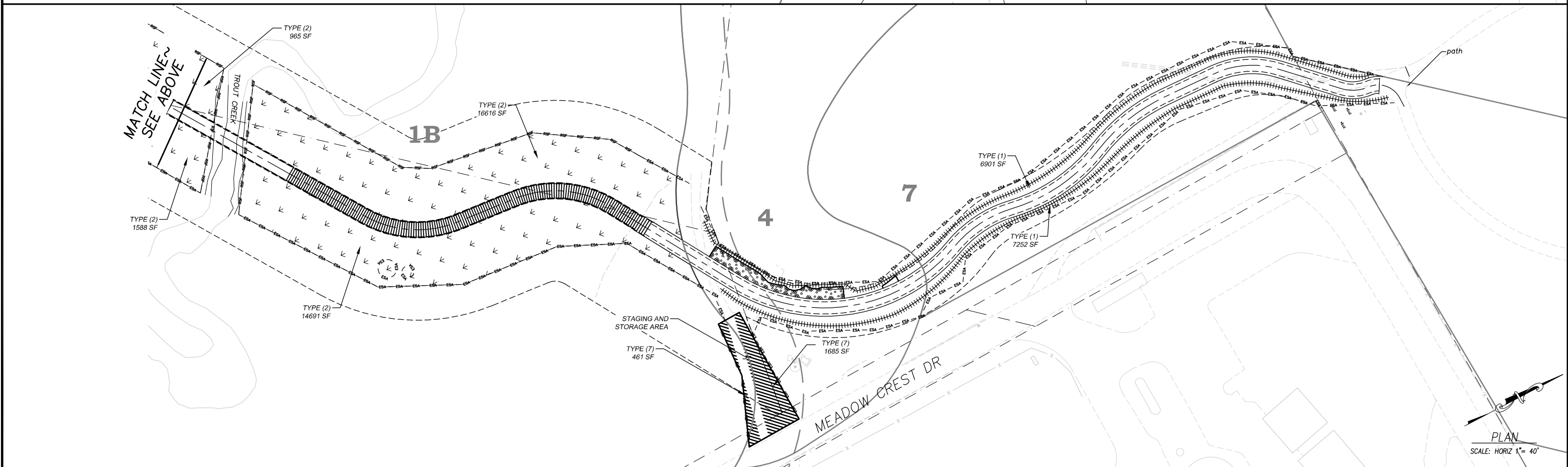
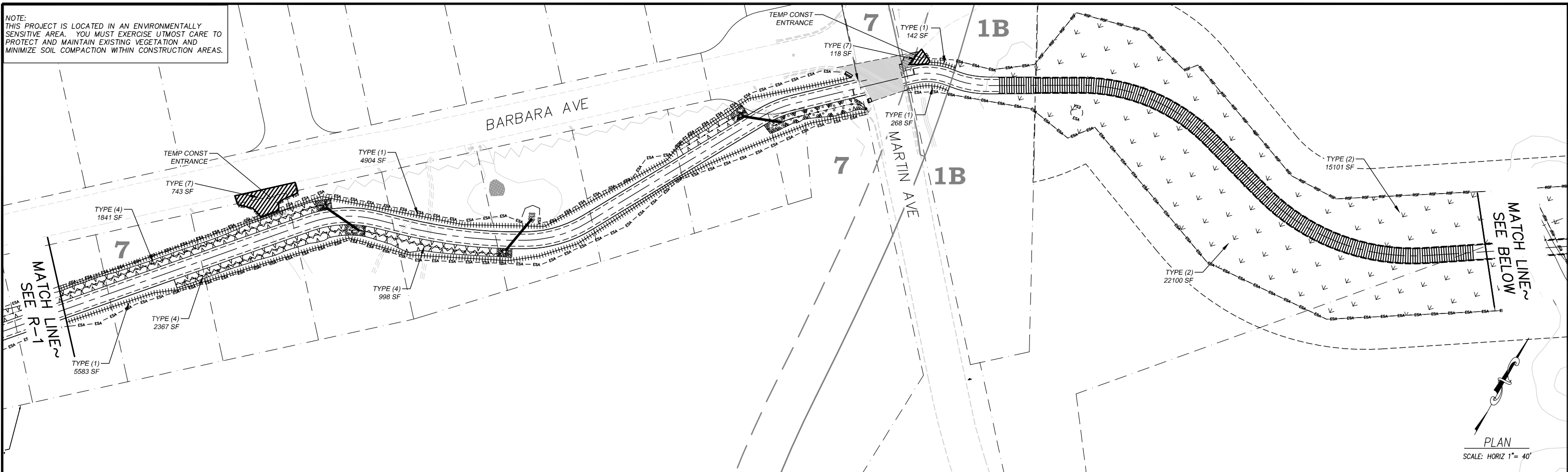


COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT SERVICES
DEPARTMENT OF TRANSPORTATION

SOUTH TAHOE GREENWAY SHARED USE TRAIL
PHASE 1B & 2
TEMPORARY EROSION CONTROL DETAILS

SHEET
EC-4
24 OF 47
CONTRACT NO.
3785
CIP No.
95200

NOTE:
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ORIGINAL SCALE IS IN INCHES

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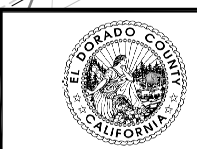
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DEPARTMENT OF TRANSPORTATION

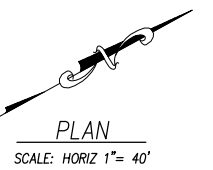
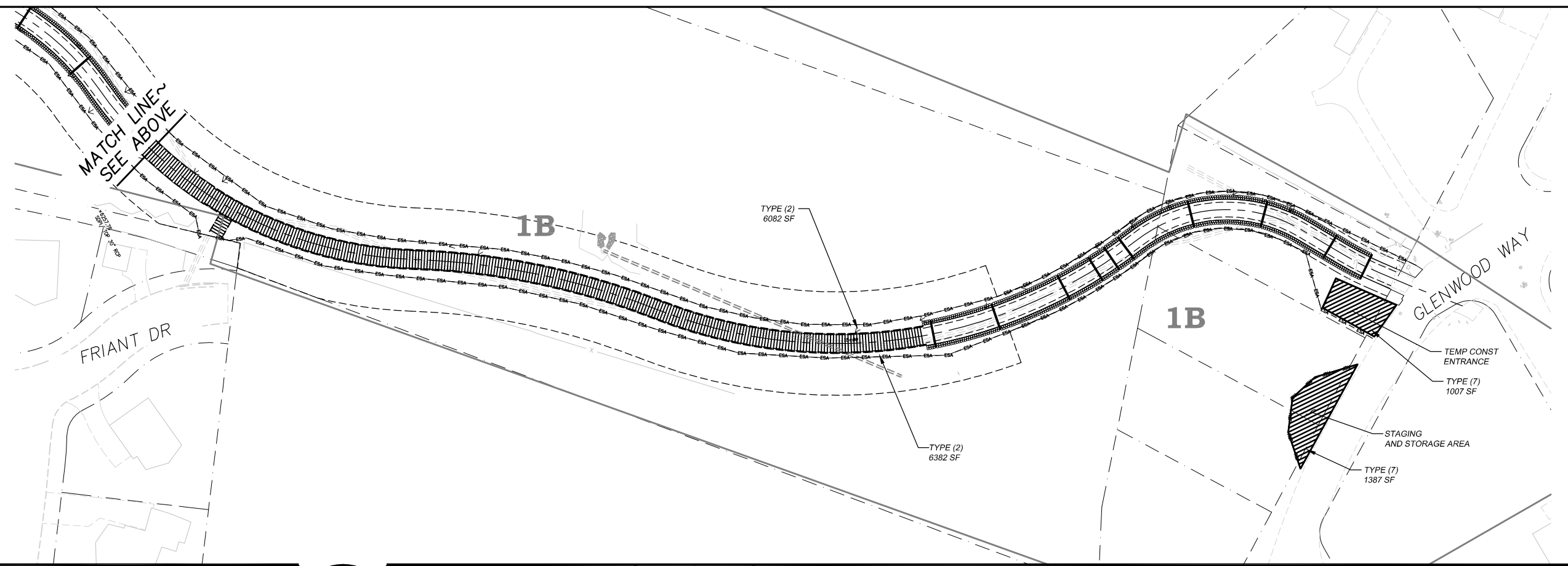
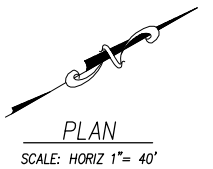
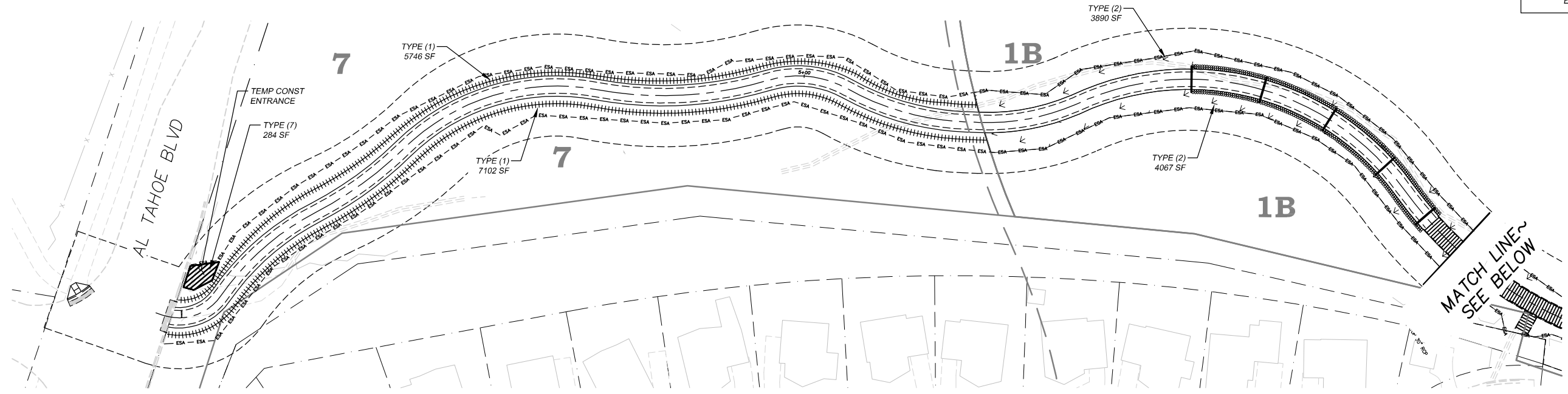
SOUTH TAHOE GREENWAY SHARED USE TRAIL
PHASE 1B & 2
REVEGETATION PLAN

SHEET
R-2
26 OF 47
CONTRACT NO.
3785
CIP No.
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DESIGNED: DMG
DRAWN: DMG
CHECKED: DSP
DATE: 09/19
ROAD NUMBER: ---



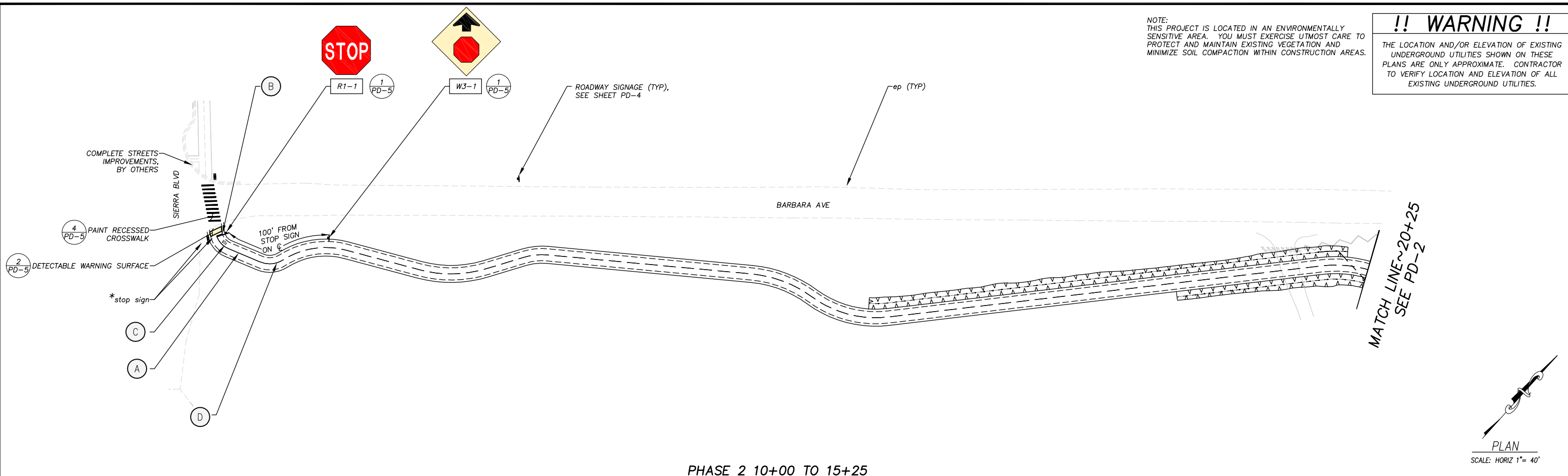
COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

SOUTH TAHOE GREENWAY SHARED USE TRAIL
PHASE 1B & 2
REVEGETATION PLAN

SHEET
R-3
27 OF 47
CONTRACT NO.
3785
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PHASE 2 10+00 TO 15+25

SIGNING LEGEND

- XX - SIGN NUMBER, SEE TABLE DETAILS
- - EXIST SIGN
- - INSTALL SIGN
- ▬▬ - INSTALL DOUBLE SIDED SIGN
- *

CONSTRUCTION NOTES:

- A - 4" SOLID YELLOW STRIPE PAINTED PER DIMENSIONS SHOWN
- B - 1' WIDE X 5' WHITE PAINTED LIMIT LINE PER CALTRANS RSP A24E
- C - "STOP" PAVEMENT MARKING (H=48", W=38") PER CALTRANS RSP A24D (1/2 SIZE) PLACE 5' FROM LIMIT LINE
- D - DASHED CENTERLINE STRIPING PER CAMUTCD FIG 9C-2

NOTES:
 1) FINISH ON BACK OF SIGN: MIDNIGHT GREEN ENDURA SHIELD IV, TNEMEC SEMIGLOSS HIGH BUILD ACRYLIC POLYURETHANE ENAMEL NO. 75-J7751
 2) ALL TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH THE LATEST APPROVED CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CA MUTCD).
 3) ASTM DESIGNATION APPLIES TO ALL COLORS ON SIGN OR RAIL. BLACK SHALL BE NON-REFLECTIVE.

ROADWAY AND BIKE PATH SIGNS

SIGN DESIGNATION	SIGN MESSAGE AND DESCRIPTION	SIGN SIZE	QTY	SIGN COLORS	RETROREFLECTIVE ASTM TYPE
R1-1	"STOP" SIGN	18"x18"	5	WHITE ON RED	III
R1-5	"YIELD TO PEDESTRIAN" SIGN	36"x36"	2	RED/BLACK ON WHITE	III
R44A (CA)	"NO MOTOR VEHICLES" SIGN	12"x24"	3	BLACK ON WHITE	III
W7-5	"HILL" (BICYCLE) SIGN	18"x18"	2	BLACK ON YELLOW	III
W3-1	"STOP AHEAD" SYMBOL	18"x18"	5	RED/BLACK ON YELLOW	III
W11-15	BICYCLE/PEDESTRIAN WARNING	36"x36"	18	BLACK ON YELLOW	III
W16-7P	DIAGONAL DOWNWARD RIGHT ARROW	24"x12"	6	BLACK ON YELLOW	III
W16-7P	DIAGONAL DOWNWARD LEFT ARROW	24"x12"	6	BLACK ON YELLOW	III
W16-9P	"AHEAD" SIGN	24"x12"	6	BLACK ON YELLOW	III

PAVEMENT STRIPING

TYPE	SHEET	SPRAYABLE PAINT
		YELLOW
SOLID YELLOW STRIPING	PD-1	50
	PD-2	100
	PD-3	100
BROKEN YELLOW CENTERLINE STRIPING	PD-1	924
	PD-2	822
	PD-3	1778
TOTAL		3774

PAVEMENT MARKINGS

SYMBOL DESCRIPTION	QUANTITY (EA)	AREA (SF)	TOTAL AREA (SF)
CROSSWALK (BARBARA AVE)	1	100	100
CROSSWALK (MARTIN AVE)	1	80	80
CROSSWALK (AL TAHOE BLVD)	1	140	140
LIMIT LINE	4	5	20
YIELD LINE	11	3	33
STOP	4	10	40
TOTAL			1674

APPROVED FOR PAVEMENT DELINEATION AND SIGN WORK ONLY

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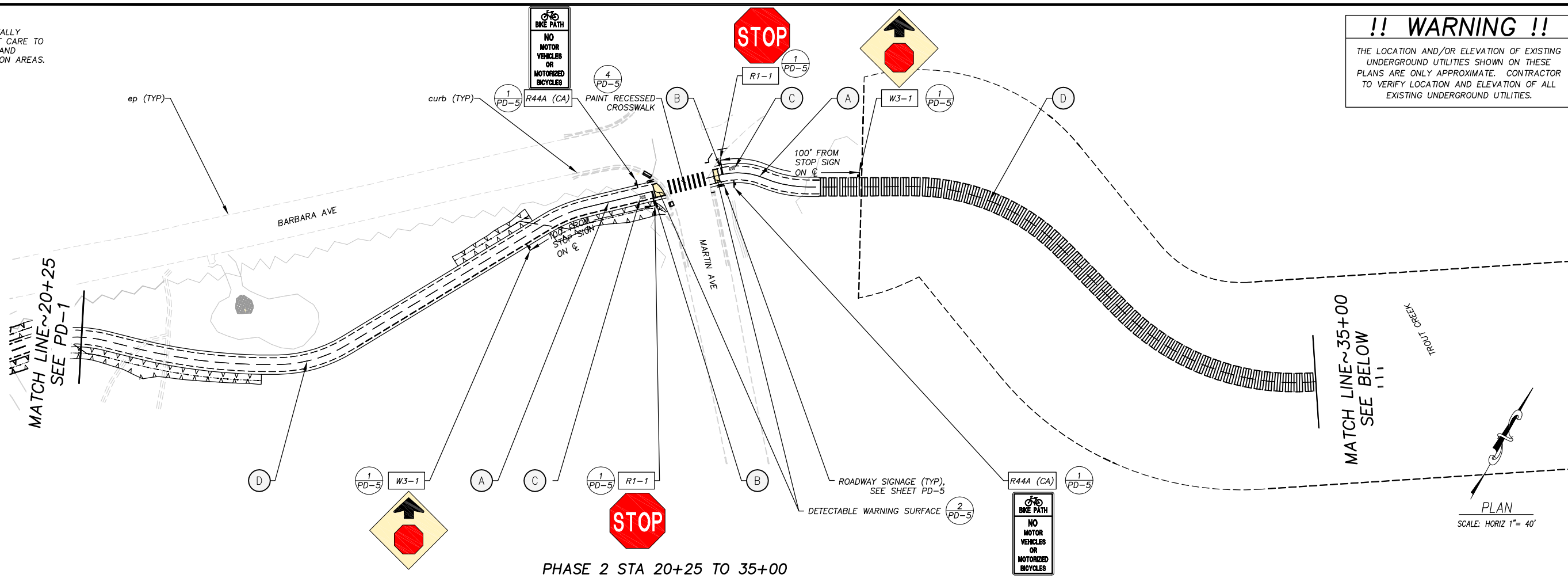
COUNTY OF EL DORADO
 DEPARTMENT OF TRANSPORTATION

SOUTH TAHOE GREENWAY SHARED USE TRAIL
 PHASE 1B & 2
 PAVEMENT DELINEATION AND SIGN PLAN

SHEET
PD-1
 28 OF 47
 CONTRACT NO.
3785
 CIP No.
95200

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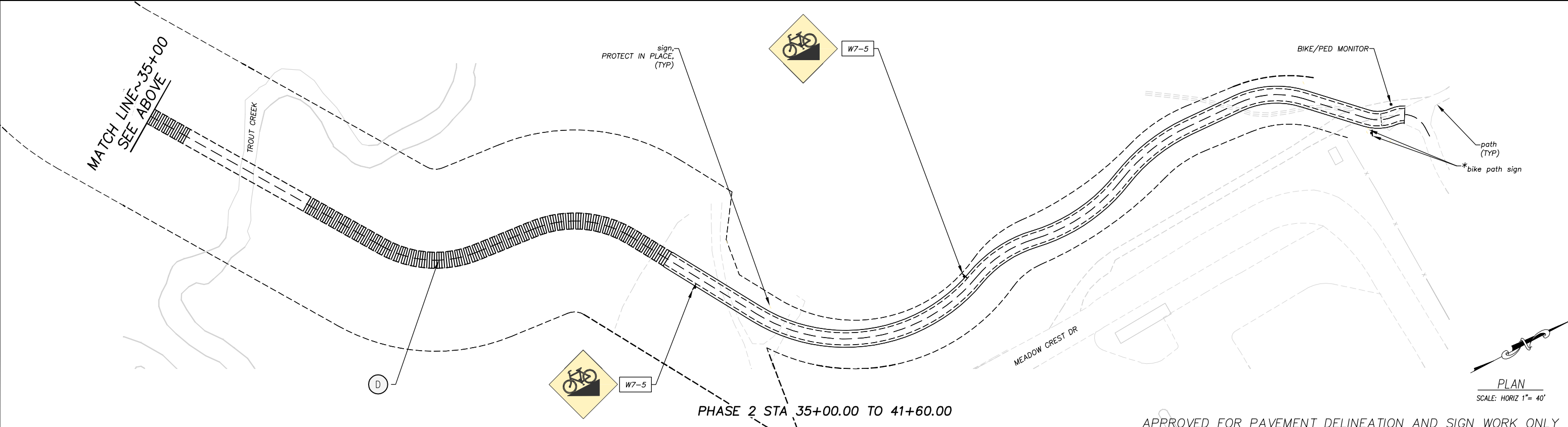
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COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

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SOUTH TAHOE GREENWAY SHARED USE TRAIL
PHASE 1B & 2
PAVEMENT DELINEATION AND SIGN PLAN

SHEET
PD-2
29 OF 47
CONTRACT NO.
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CIP No.
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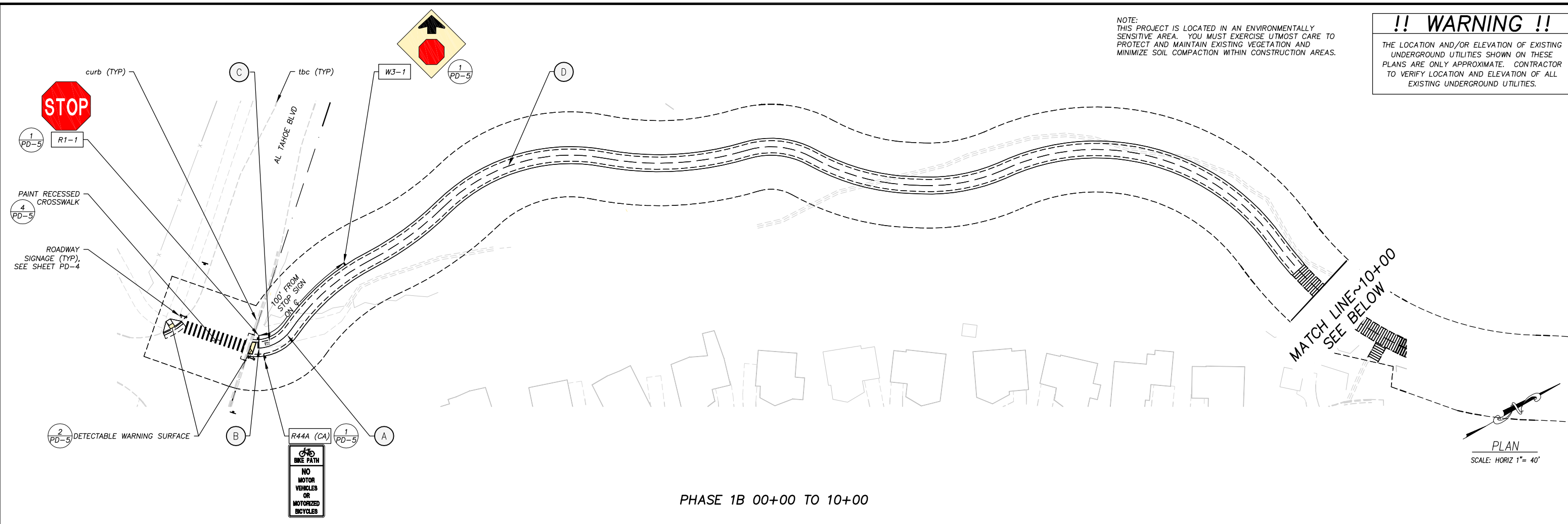
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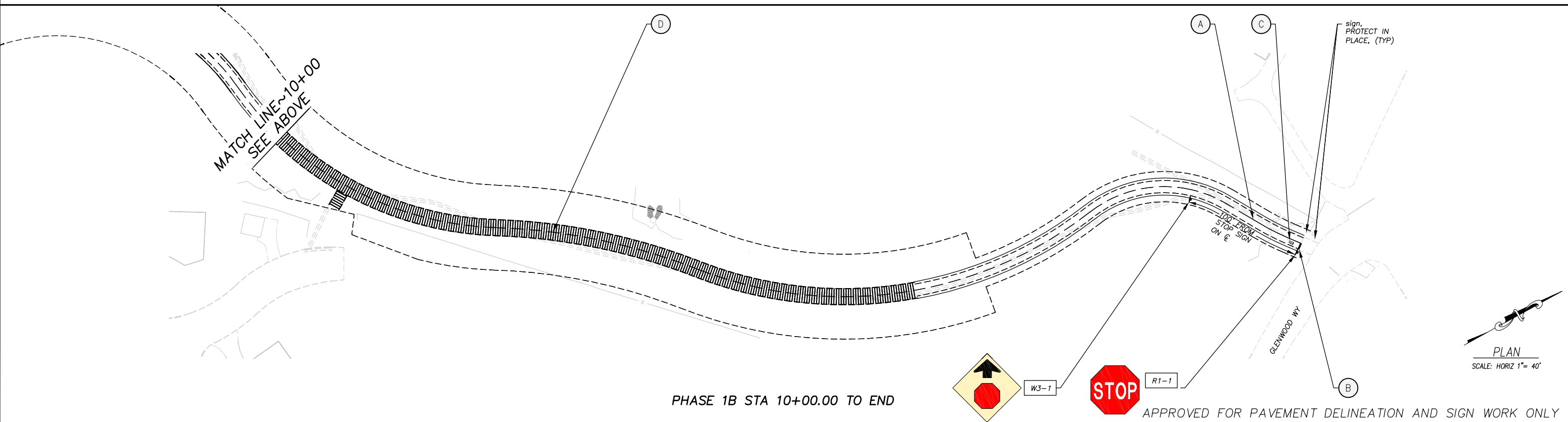
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PHASE 1B 00+00 TO 10+00



PHASE 1B STA 10+00.00 TO END

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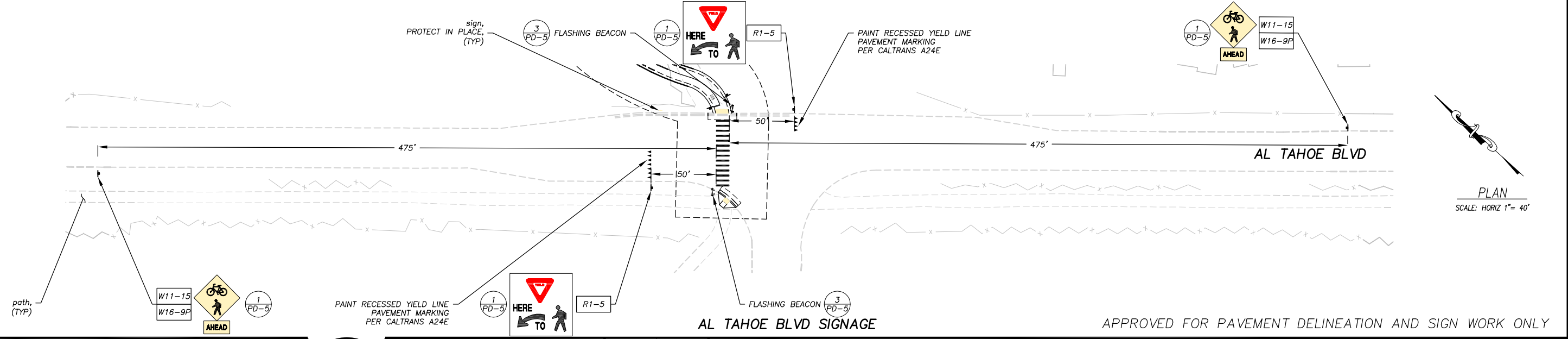
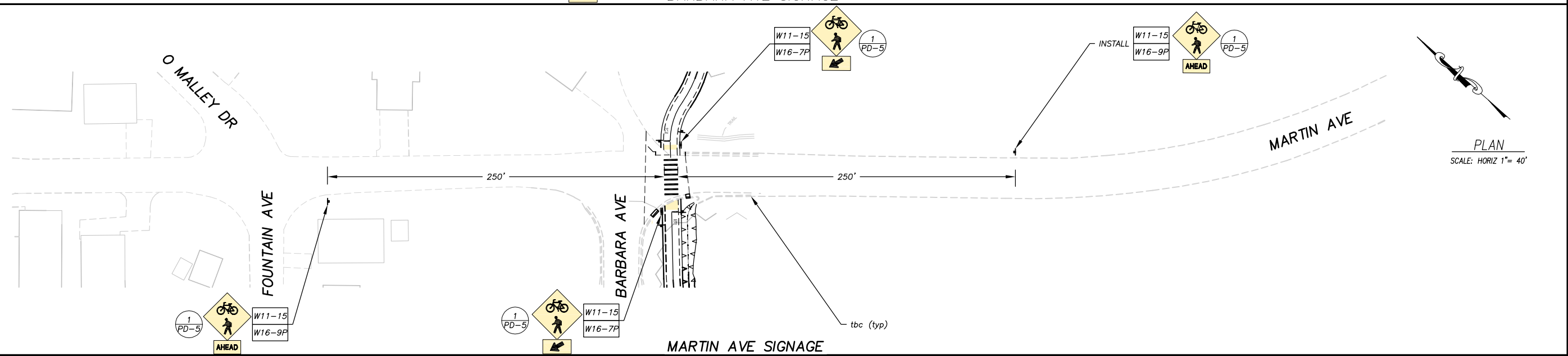
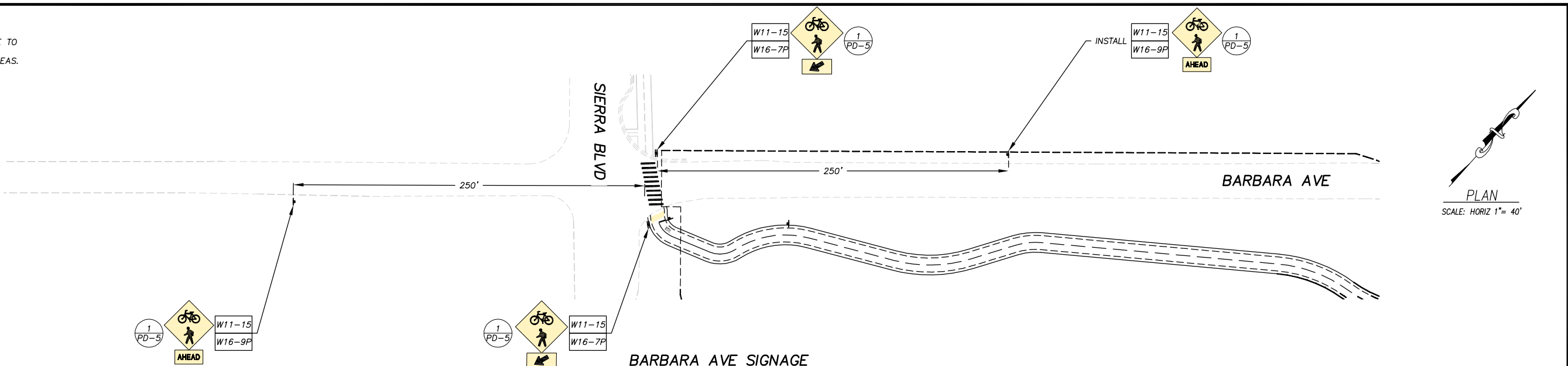
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SOUTH TAHOE GREENWAY SHARED USE TRAIL
PHASE 1B & 2
PAVEMENT DELINEATION AND SIGN PLAN

SHEET
PD-3
30 OF 47
CONTRACT NO.
3785
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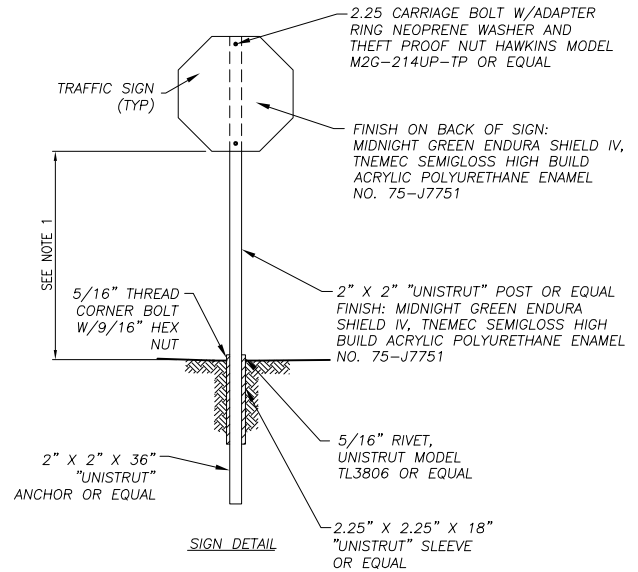
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SOUTH TAHOE GREENWAY SHARED USE TRAIL
PHASE 1B & 2
PAVEMENT DELINEATION AND SIGN PLAN

SHEET
PD-4
31 OF 47
CONTRACT NO.
3785
CIP No.
95200

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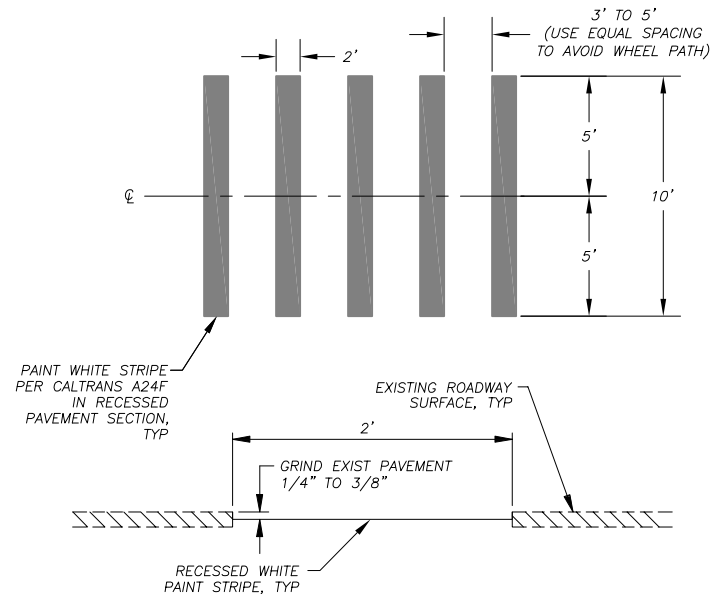


- NOTES:
- 7' MINIMUM ABOVE EP.
 - LETTERING TO BE CENTERED.
 - POST SHALL BE A MINIMUM OF 3' FROM EP.

BIKE PATH SIGN INSTALLATION

NTS

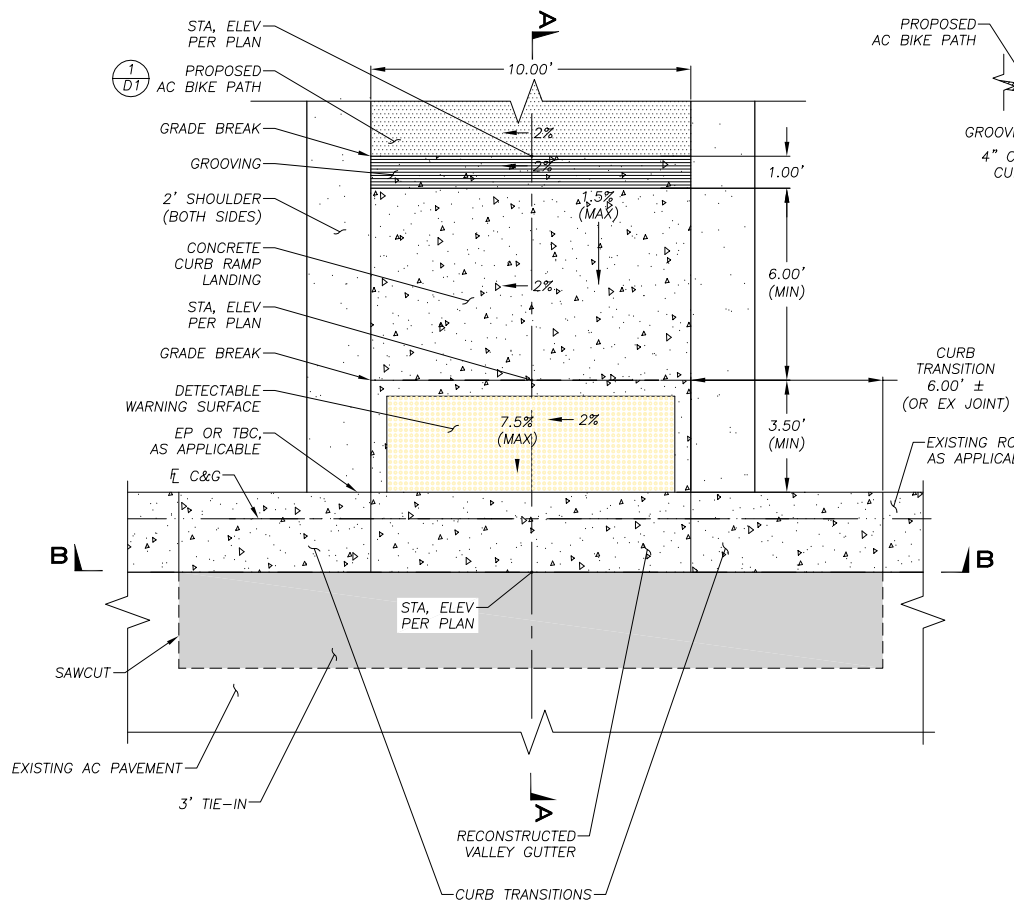
1
PD-5



RECESSED CROSSWALK

NTS

4
PD-5



PLAN

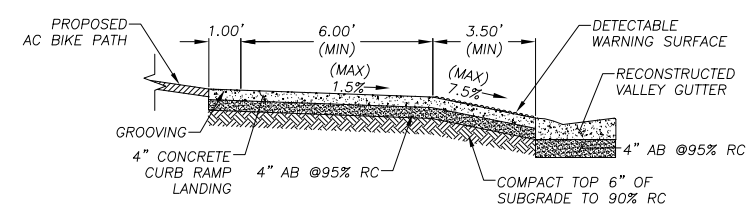
SECTION B-B

LOCATION	DETECTABLE WARNING SURFACE		CURB RAMP	VALLEY GUTTER/ CURB TRANSITIONS	
	AREA (SF)	DIMENSION (L X W)		MINOR CONCRETE (CY)	
BARBARA AVE	30	3' X 10'	2		
MARTIN AVE (W)	49	SEE NOTE 4	3	1	
MARTIN AVE (E)	30	3' X 10'	2	1	
AL TAHOE BLVD	12	4' X 3'	2	1	
AL TAHOE BLVD	30	3' X 10'	2	1	
TOTAL	151			15	

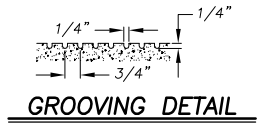
CURB RAMP AND DETECTABLE WARNING SURFACE

NTS

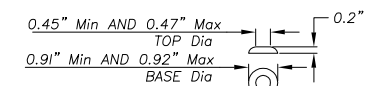
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PD-5



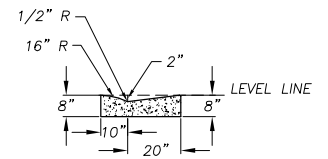
SECTION A-A



GROOVING DETAIL

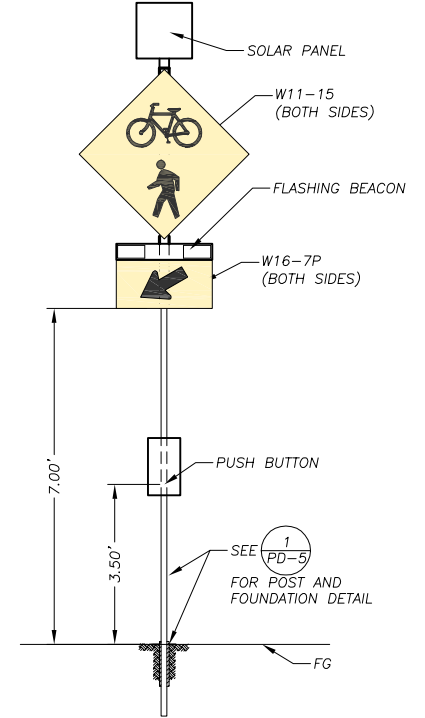


RAISED TRUNCATED DOME



RECONSTRUCTED VALLEY GUTTER

- NOTES:
- THE DETECTABLE WARNING SURFACE WILL BE A RECTANGLE UNLESS MODIFIED IN THE PROJECT PLANS. CURB RAMP SHALL HAVE A DETECTABLE WARNING SURFACE THAT EXTENDS THE FULL WIDTH AND 3'-0" DEPTH OF THE RAMP. DETECTABLE WARNING SURFACE SHALL EXTEND THE FULL WIDTH OF THE RAMP EXCEPT A MAXIMUM GAP OF 1 INCH IS ALLOWED ON EACH SIDE OF THE RAMP. DETECTABLE WARNING SURFACE SHALL CONFORM TO THE REQUIREMENTS IN THE STANDARD SPECIFICATIONS.
 - AT SIERRA BLVD AND BARBARA AVE: THERE IS NO EXISTING CURB & GUTTER AT THE BEGINNING OF THE BIKE PATH. THE CURB RAMP WILL TIE INTO THE EXISTING PAVEMENT. PLACE THE DETECTABLE WARNING SURFACE 1' BACK FROM EXISTING EP.
 - CROSS SLOPE (2%) DIRECTION TO MATCH PROPOSED INCOMING TRAIL CROSS SLOPE DIRECTION.
 - AT RADIUS OF MARTIN AVE (W), TRIM DETECTABLE WARNING SURFACE TO MATCH.
 - AT MARTIN AVE (E), STA 25+15.96, 11' LT; TBC TO MATCH FINISH SURFACE OF PAVEMENT.



FLASHING BEACON

NTS

3
PD-5

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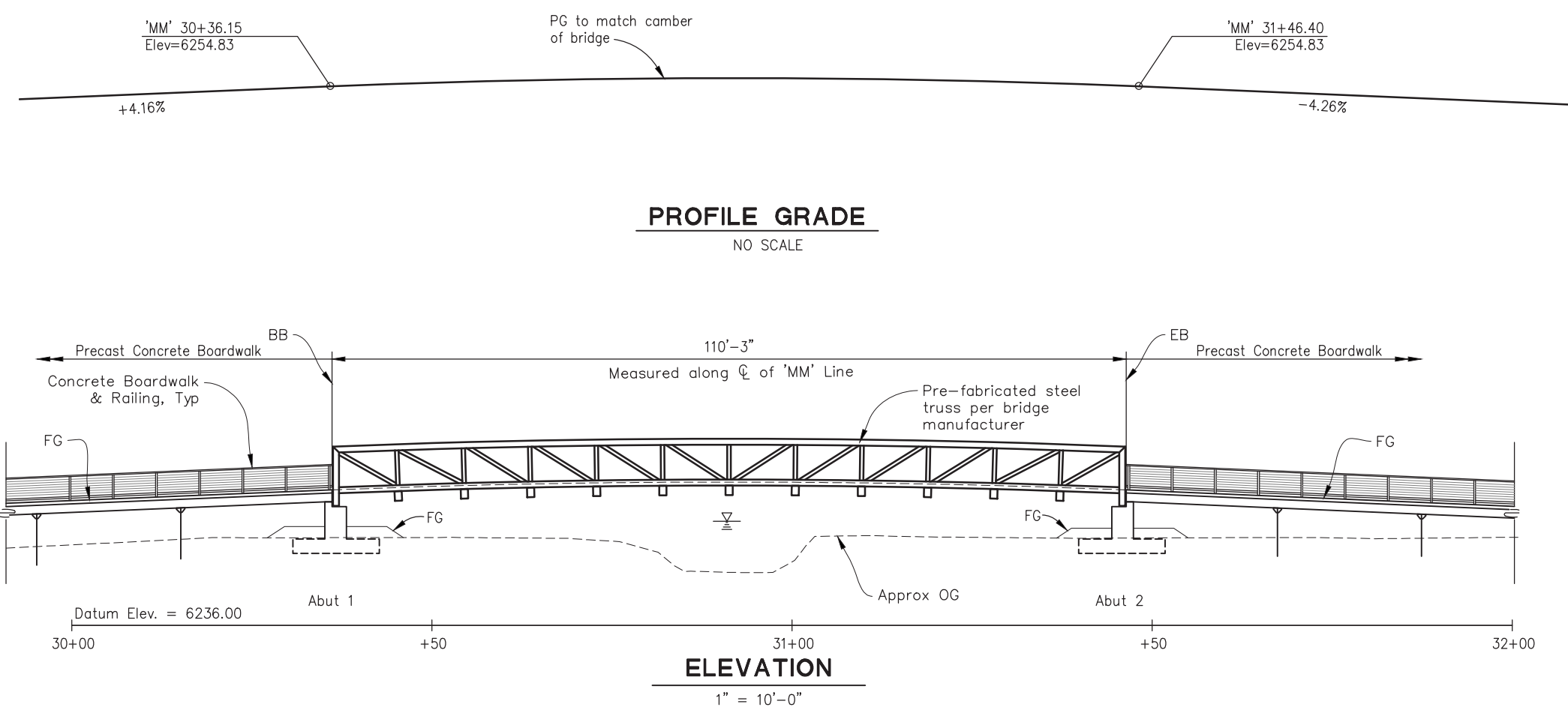


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

SOUTH TAHOE GREENWAY SHARED USE TRAIL
PHASE 1B & 2
PAVEMENT DELINEATION AND SIGN DETAILS

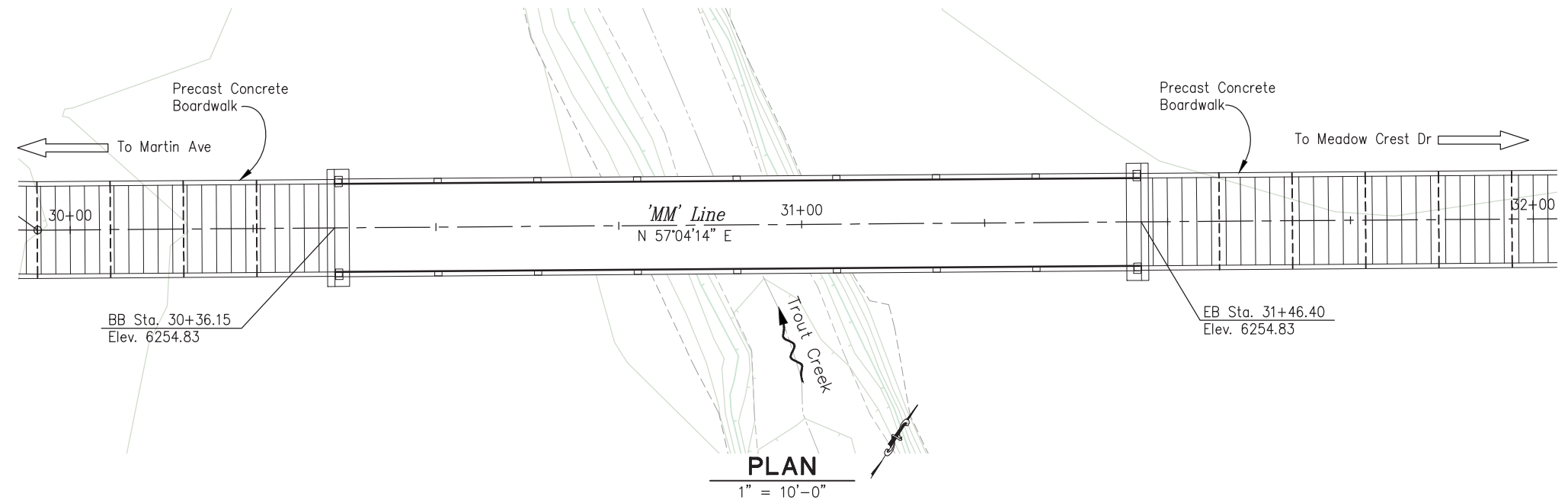
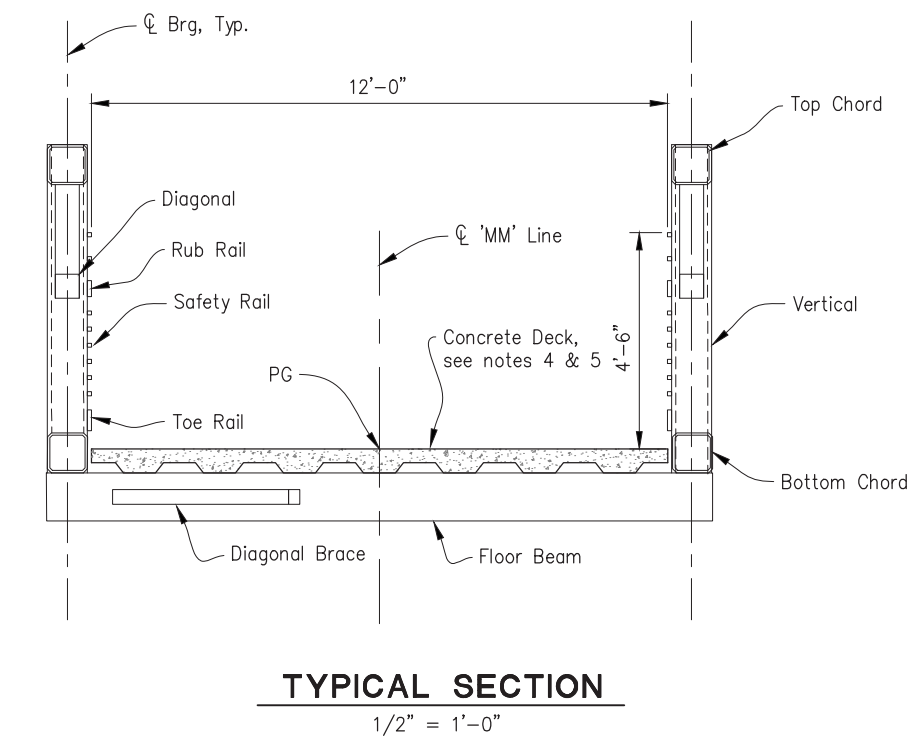
SHEET
PD-5
32 OF 47
CONTRACT NO.
3785
CIP No.
95200

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 FOR REDUCED PLANS



QUANTITIES:

Structure Excavation (Bridge)	187 CY
Structure Backfill (Bridge)	38 CY
Furnish and Install Precast Concrete Boardwalk System	1 LS
Structural Concrete, Bridge Footing	38 CY
Structural Concrete, Bridge	16 CY
Bar Reinforcing Steel (Bridge)	9,028 LB
Furnish and Install Prefabricated Steel Truss Bridge	1 LS
Furnish and Install Tubular Steel Railing	465 LF



- NOTES:**
- For "General Notes", see "Index To Plans" sheet.
 - Contractor to protect all existing utilities in place.
 - Contractor to verify all controlling field dimensions prior to ordering or fabricating any materials.
 - Bridge fabricator shall design cast-in-place reinforced concrete deck. Calculations and shop drawings must be submitted for review.
 - All deck reinforcement shall be epoxy coated and have a minimum 2 1/2" cover over top layer of reinforcement.
 - For Spread Footing Data Table and Hydrologic Summary, see "Foundation Plan" sheet.

INDEX TO BRIDGE PLANS

Plan Sheet	Title
S-1	General Plan
S-2	Index to Plans
S-3	Foundation Plan
S-4	Abutment Layout
S-5	Abutment Details
S-6	Boardwalk Typical Plan
S-7	Boardwalk Typical Details
S-8	Boardwalk Typical Details
S-9	Boardwalk Railing
S-10	Rock Slope Protection
S-11	Log of Test Borings
S-12	Log of Test Borings
S-13	Log of Test Borings
S-14	Log of Test Borings

- LEGEND:**
- INDICATES DIRECTION OF WATER FLOW
 - INDICATES HIGH WATER SURFACE ELEVATION

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

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 DATE: 09/27/19

DESIGNED: DWH
 DRAWN: SGM
 CHECKED: BH
 DATE: 09/26/19
 ROAD NUMBER: -



**COUNTY OF EL DORADO
 DEPARTMENT OF TRANSPORTATION**

**SOUTH TAHOE GREENWAY SHARED
 USE TRAIL PHASE 1B & 2**

**GENERAL PLAN
 SCALE : AS SHOWN**

SHEET
S-1
 33 OF 47
 W.O. No. **95200**

GENERAL NOTES

LOAD AND RESISTANCE FACTOR DESIGN

DESIGN: AASHTO LRFD Guide Specifications for the Design of Pedestrian Bridges, 2009 (AASHTO Specifications); AASHTO LRFD Bridge Design Specifications, 6th Edition and the California Amendments, Preface dated January 2014; and AASHTO LRFD Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals (AASHTO Signs)

SEISMIC DESIGN: Caltrans Seismic Design Criteria (SDC), Version 1.7, April 2013

DEAD LOAD: No allowance for future wearing surface

LIVE LOAD: H10 and 90 psf pedestrian loading

SNOW LOAD: 154 psf

WIND LOADING: Wind Load in accordance with Article 3.4 of AASHTO Specifications and Articles 3.8 and 3.9 of AASHTO Signs. Basic Wind Speed = 100 mph.

SEISMIC LOAD: Soil Profile: $V_{s30} = 261$ m/s (856 ft/s)
Moment Magnitude: $M_{max} = 7.0$
Peak Ground Acceleration = 0.49g

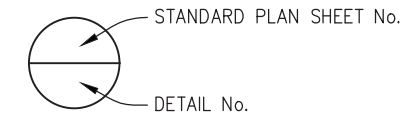
REINFORCED CONCRETE: $f_y = 60$ ksi
 $f'_c = 3.6$ ksi, unless otherwise noted
 $n = 8$

STRUCTURAL STEEL: $f_y =$ ASTM F1554 Grade 55 (Anchor Bolts)
 $f_y =$ ASTM A847 Grade 50 (Railing)

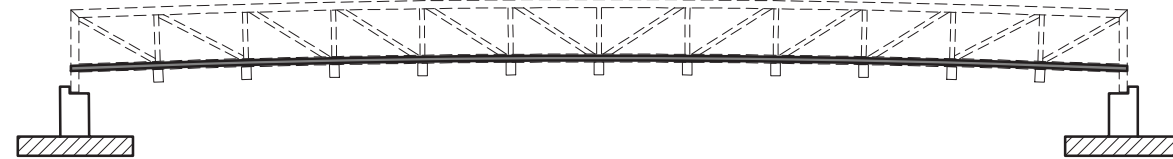
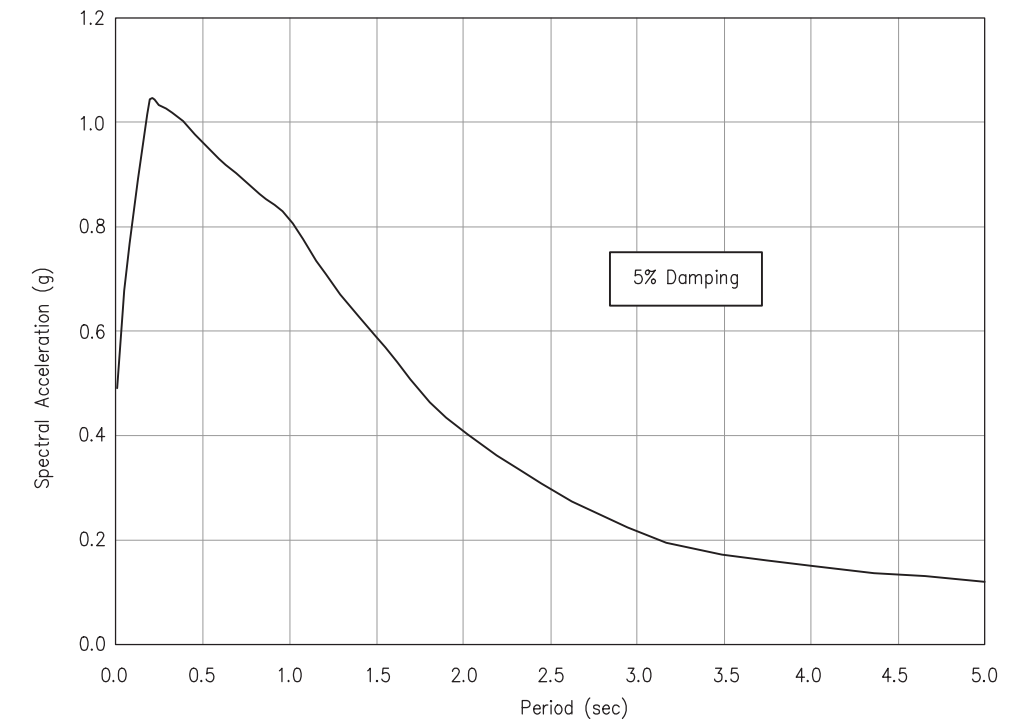
UNFACTORED BRIDGE LOADS		
LOADING TYPE	ABUT 1 (KIPS)	ABUT 2 (KIPS)
DEAD LOAD	80	80
LIVE LOAD	60 (PED) 20 (H10)	60 (PED) 20 (H10)
SNOW LOAD	102	102
TRANSVERSE WIND	20	20
WIND UPLIFT	-23	-23
LONGITUDINAL SEISMIC	78.4	0
TRANSVERSE SEISMIC	39.2	39.2

CALTRANS STANDARD PLANS DATED 2015

- A3A ABBREVIATIONS (SHEET 1 OF 3)
- A3B ABBREVIATIONS (SHEET 2 OF 3)
- A3C ABBREVIATIONS (SHEET 3 OF 3)
- A10A LINES AND SYMBOLS (SHEET 1 OF 5)
- A10B LINES AND SYMBOLS (SHEET 2 OF 5)
- A10C LINES AND SYMBOLS (SHEET 3 OF 5)
- A10D LINES AND SYMBOLS (SHEET 4 OF 5)
- A10E LINES AND SYMBOLS (SHEET 5 OF 5)
- A62C LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL - BRIDGE



ACCELERATION RESPONSE SPECTRA CURVE



CONCRETE STRENGTH AND TYPE LIMITS

NO SCALE

- Structural Concrete, Bridge (3.6 ksi @ 28 days)
- Structural Concrete, Bridge (4.0 ksi @ 28 days, or per manufacturer.)
- Structural Concrete, Bridge Footing (3.6 ksi @ 28 days)

CONTRACTOR TO VERIFY ALL CONTROLLING FIELD DIMENSIONS PRIOR TO ORDERING OR FABRICATING ANY MATERIALS.

**INDEX TO PLANS
SCALE : AS SHOWN**

ORIGINAL SCALE IS IN INCHES
Drawing name: C:\Civil 3D Projects\95200 South Tahoe Greenway\CADD Files\Sheets\S-Sheets.dwg Layout Tab: S-2 Sep 26, 2019 - 6:07am SMC/vey

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF :
[Signature]
REGISTERED CIVIL ENGINEER
DATE: 09/27/19

DESIGNED: DWH
DRAWN: SGM
CHECKED: BH
DATE: 09/26/19
ROAD NUMBER: -

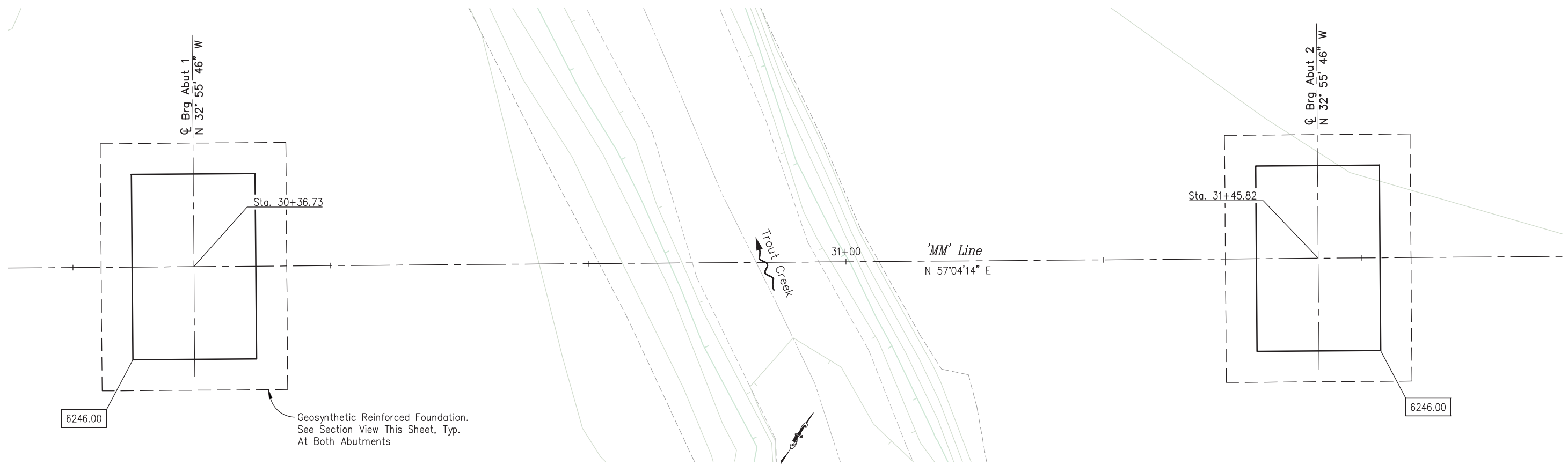


**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

**SOUTH TAHOE GREENWAY SHARED
USE TRAIL PHASE 1B & 2**

SHEET
S-2
34 OF 47
W.O. No. 95200

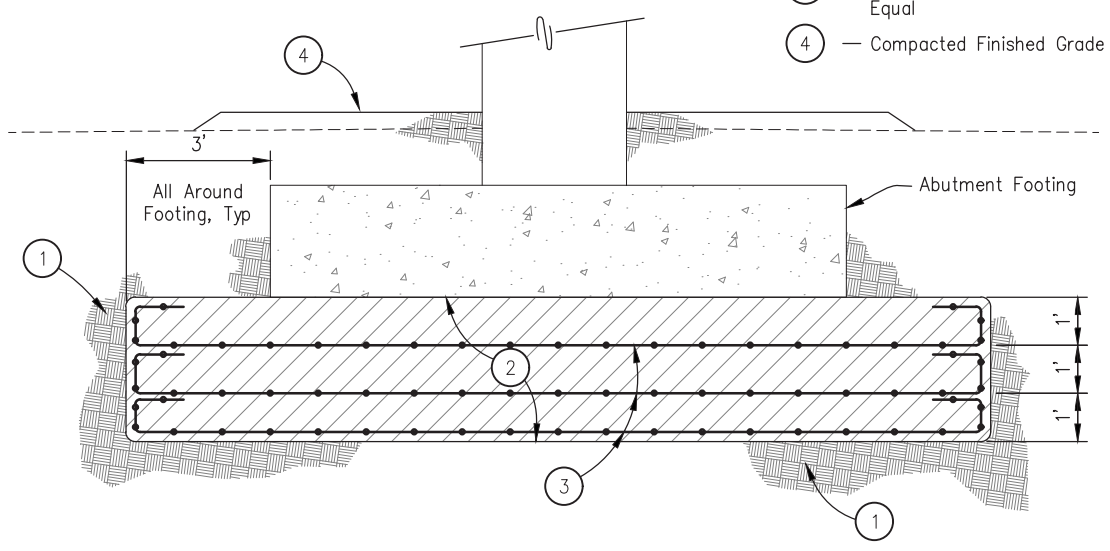
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 FOR REDUCED PLANS



Geosynthetic Reinforced Foundation.
See Section View This Sheet, Typ.
At Both Abutments

- CONSTRUCTION NOTES:**
- ① — Undisturbed Native Soil
 - ② — Reinforced Granular Fill – AB (Class 2), Place in 12" uniform Lifts And Compact To 95%
 - ③ — Tensar BX1200 Biaxial Geogrid Or Approved Equal
 - ④ — Compacted Finished Grade

FOUNDATION PLAN
1" = 5'-0"



TYPICAL GEOSYNTHETIC REINFORCEMENT SECTION

No Scale

SCOUR DATA TABLE		
SUPPORT NO.	LONG TERM (DEGRADATION AND CONTRACTION) SCOUR ELEVATION (FT)	SHORT TERM (LOCAL) SCOUR DEPTH (FT)
ABUT 1	6249.81	5.07
ABUT 2	6249.60	5.43

SPREAD FOOTING DATA TABLE		
SUPPORT LOCATION	SERVICE PERMISSIBLE NET CONTACT STRESS (SETTLEMENT) (KSF)	STRENGTH/CONSTRUCTION FACTORED GROSS NOMINAL BEARING RESISTANCE $\phi_b=0.45$ (KSF)
ABUT 1	5.0	10.5
ABUT 2	5.0	10.5

HYDROLOGIC SUMMARY		
DRAINAGE AREA = 39.8 SQ. MI.		
	DESIGN FLOOD	BASE FLOOD
FREQUENCY (YEARS)	50	100
DISCHARGE (CFS)	898.1	1167.6
WATER SURFACE ELEVATION (FT)	6249.83	6250.15

- LEGEND:**
- XXX.XX Bottom of Footing Elevation
 - ~ Indicates Direction of Water Flow

FLOODPLAIN DATA BASED ON INFORMATION WHEN THE PLANS WERE PREPARED AND IS SHOWN TO MEET FEDERAL REQUIREMENTS. THE ACCURACY OF SAID INFORMATION IS NOT WARRANTED BY EL DORADO COUNTY. ANY INTERESTED OR AFFECTED PARTIES SHOULD MAKE THEIR OWN INVESTIGATION.

FOUNDATION PLAN SCALE : AS SHOWN



PREPARED UNDER THE SUPERVISION OF :
 [Signature]
 REGISTERED CIVIL ENGINEER
 DATE: 09/27/19

DESIGNED: DWH
 DRAWN: SGM
 CHECKED: BH
 DATE: 09/26/19
 ROAD NUMBER: -

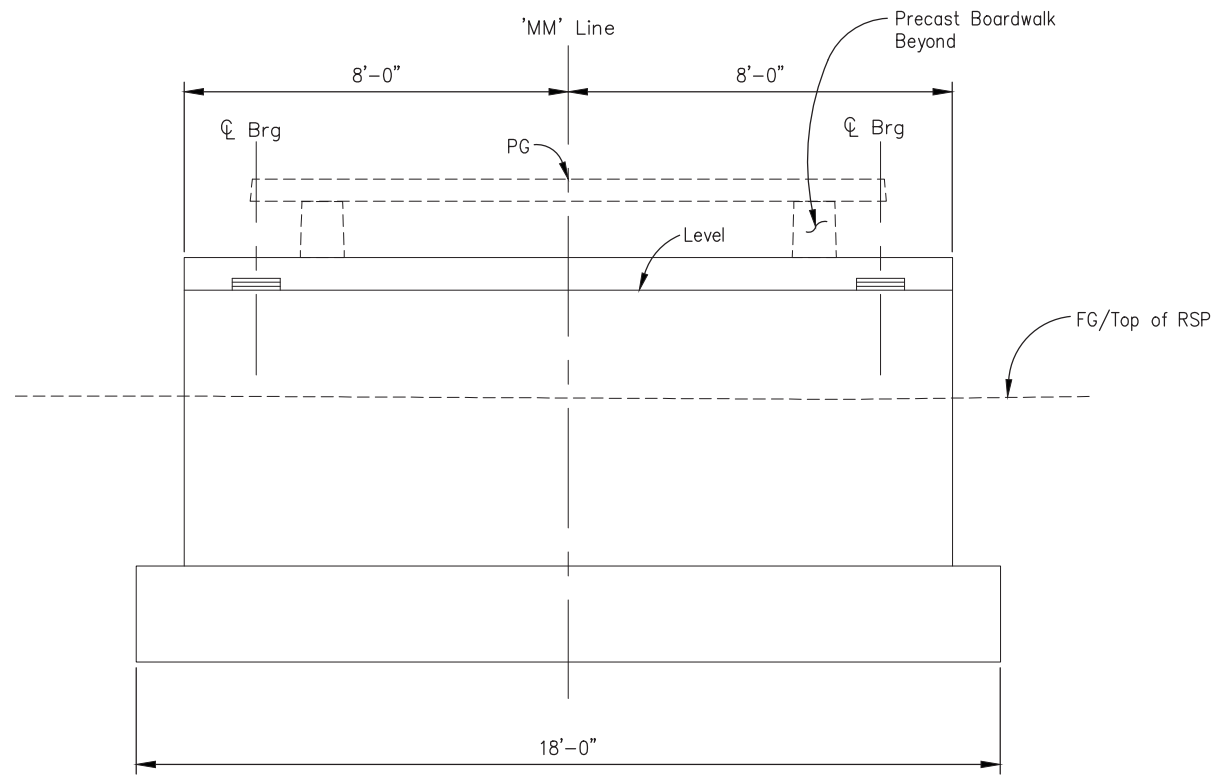


COUNTY OF EL DORADO DEPARTMENT OF TRANSPORTATION

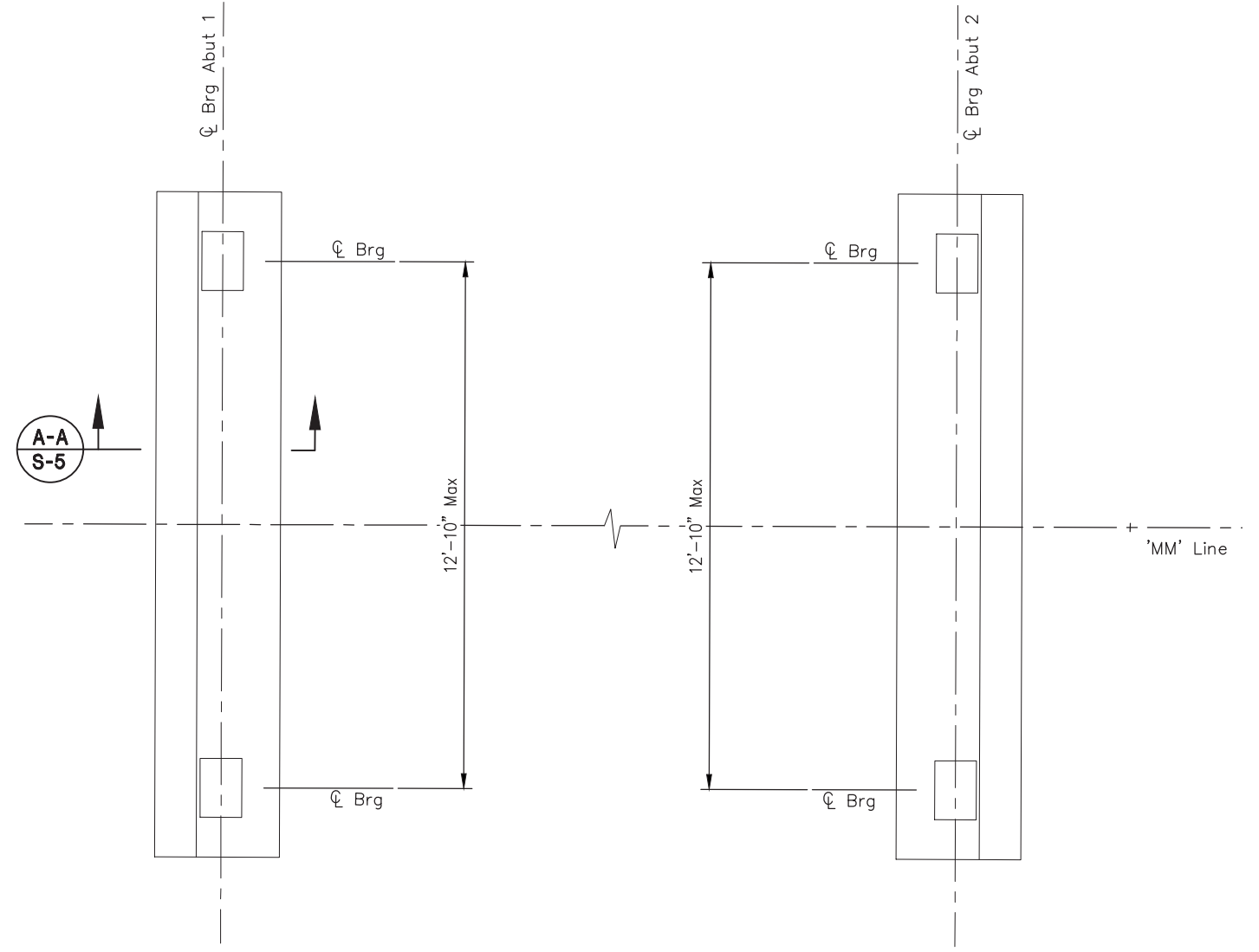
SOUTH TAHOE GREENWAY SHARED USE TRAIL PHASE 1B & 2

SHEET **S-3**
 35 OF 47
 W.O. No. **95200**

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 FOR REDUCED PLANS



ABUTMENT ELEVATION
1/2" = 1'-0"



ABUTMENT PLAN
1/2" = 1'-0"

NOTES:

- Contractor to verify all controlling field dimensions prior to ordering or fabricating any materials.

**ABUTMENT LAYOUT
SCALE : AS SHOWN**

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF :

 REGISTERED CIVIL ENGINEER
 DATE: 09/27/19

DESIGNED: DWH
 CHECKED: BH
 ROAD NUMBER: -
 DRAWN: SGM
 DATE: 09/26/19

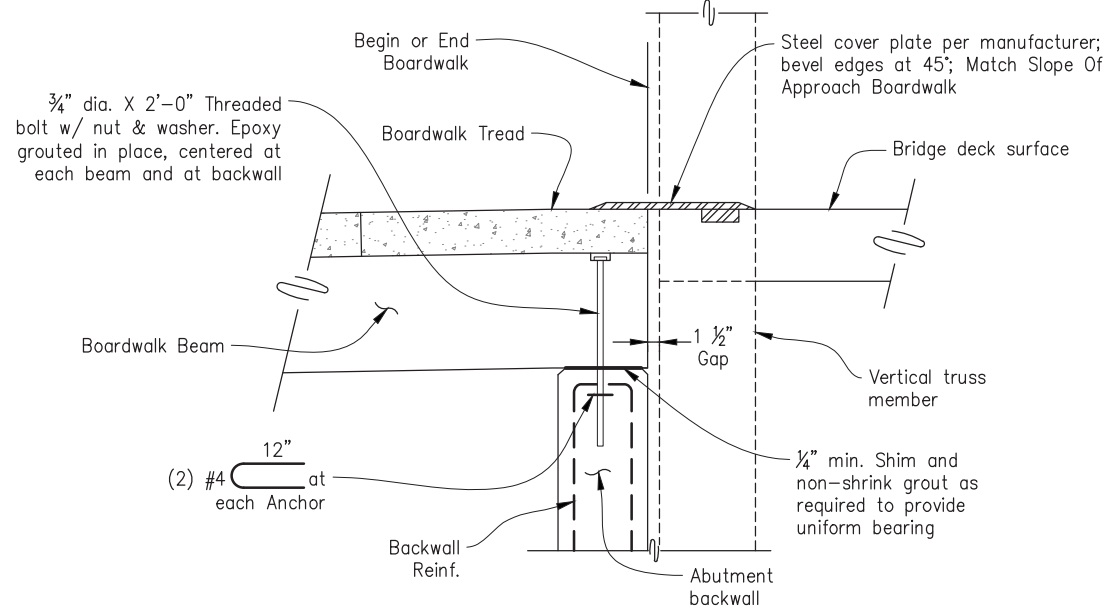


**COUNTY OF EL DORADO
 DEPARTMENT OF TRANSPORTATION**

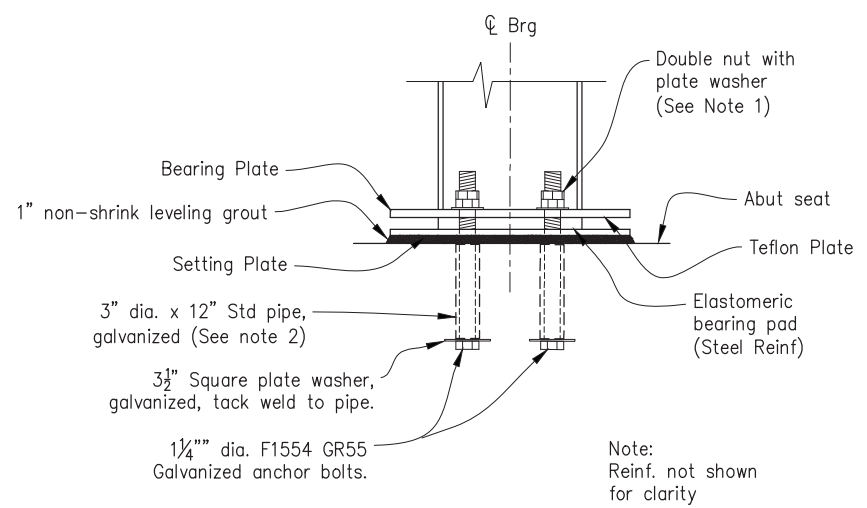
**SOUTH TAHOE GREENWAY SHARED
 USE TRAIL PHASE 1B & 2**

SHEET
S-4
 36 OF 47
 W.O. No. 95200

ORIGINAL SCALE IS IN INCHES
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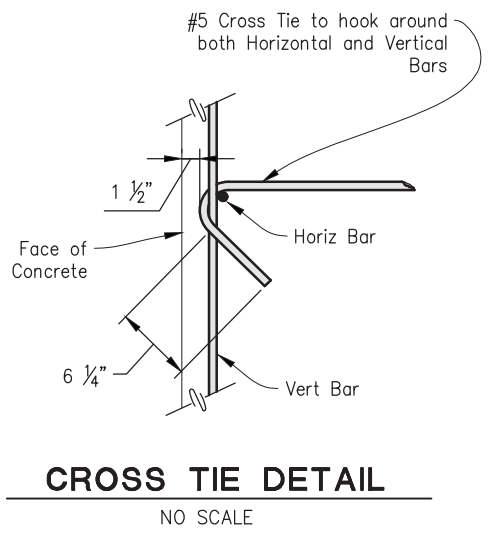


1 BOARDWALK AT ABUTMENT
1" = 1'-0"

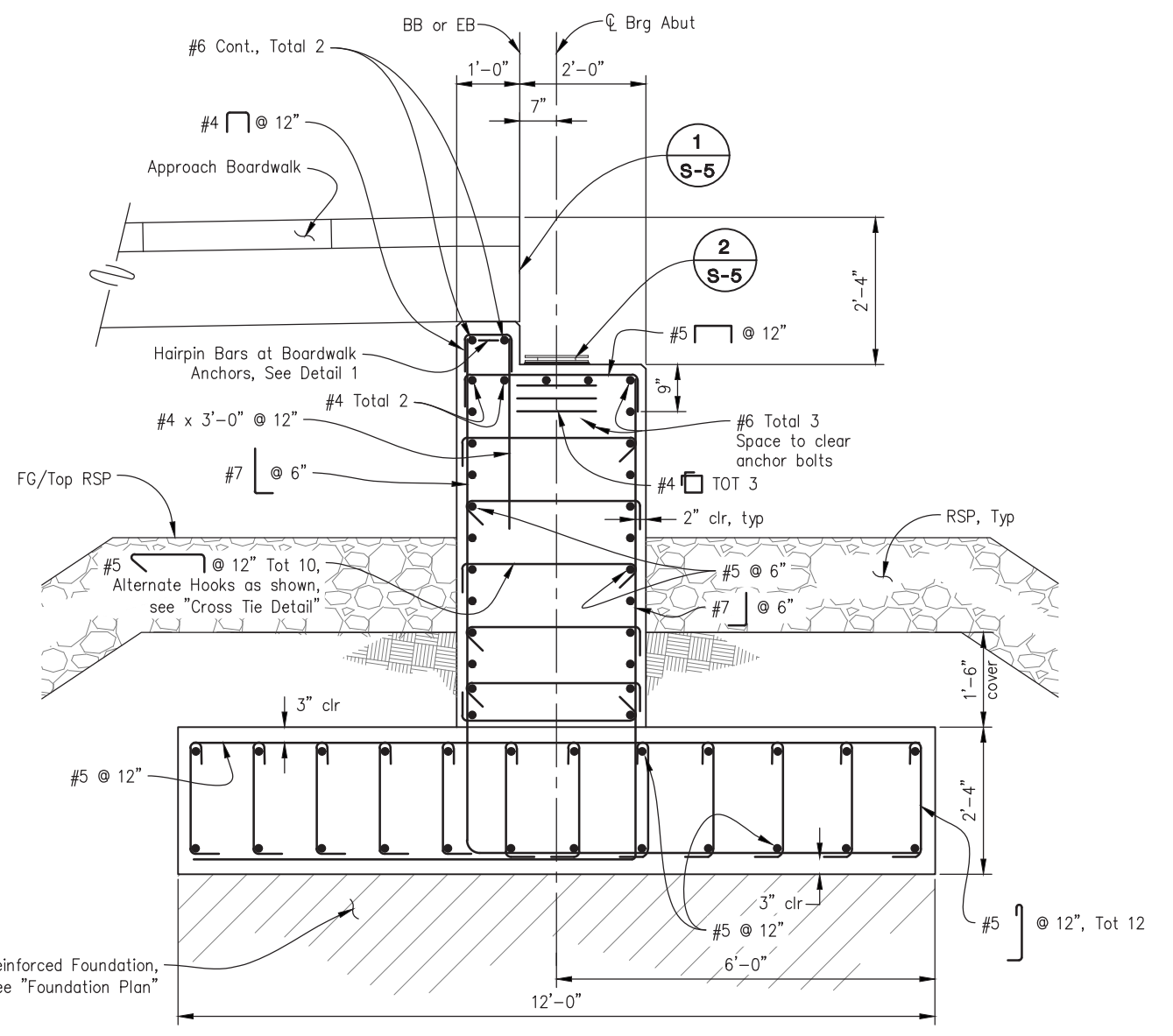


2 BRIDGE BEARING ASSEMBLY
NO SCALE

- NOTES:**
- Expansion End: Bottom nut finger tight, top nut snug tight to allow movement.
Fixed End: Both nuts shall be snug tight.
 - Fill pipe with grout containing an approved non-shrink additive after setting truss.
 - Representative bearing shown, bridge mfr to submit complete bearing details with bridge submittal.



CROSS TIE DETAIL
NO SCALE



SECTION A-A
3/4" = 1'-0"
Abutment 1 shown; Abutment 2 similar

CONTRACTOR TO VERIFY ALL CONTROLLING FIELD DIMENSIONS PRIOR TO ORDERING OR FABRICATING ANY MATERIALS.

ABUTMENT DETAILS
SCALE : AS SHOWN



PREPARED UNDER THE SUPERVISION OF:
 [Signature]
 REGISTERED CIVIL ENGINEER
 DATE: 09/27/19

DESIGNED: DWH
 DRAWN: SGM
 CHECKED: BH
 DATE: 09/26/19
 ROAD NUMBER: -

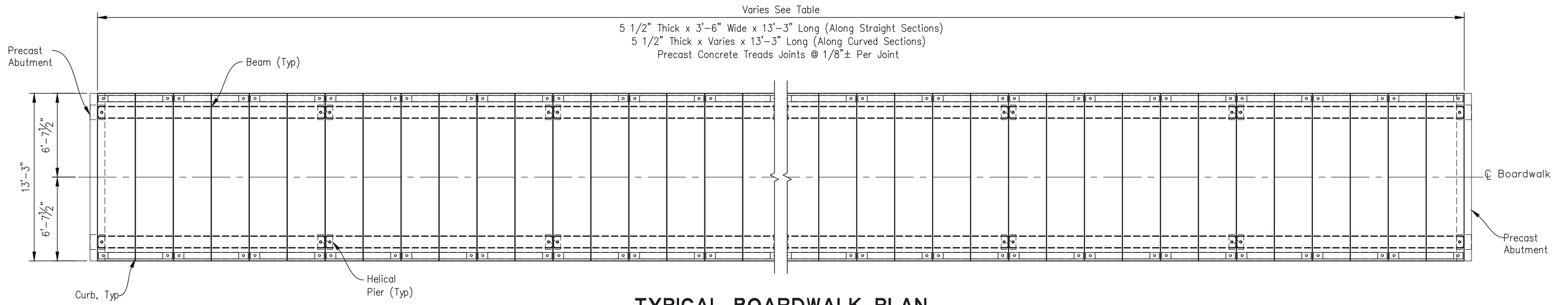


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

SOUTH TAHOE GREENWAY SHARED
USE TRAIL PHASE 1B & 2

SHEET
S-5
 37 OF 47
 W.O. No. 95200

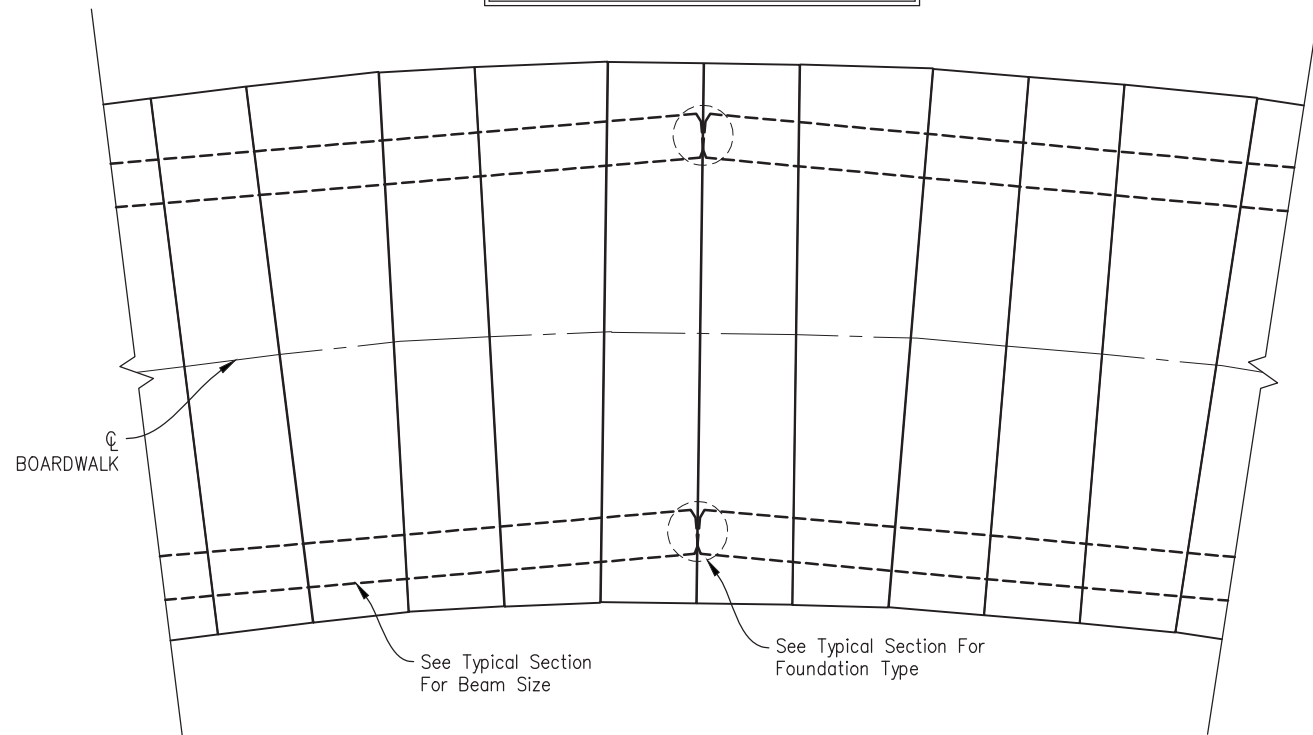
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 FOR REDUCED PLANS



TYPICAL BOARDWALK PLAN

No Scale

Note: Curb And/Or Railing Not Shown For Clarity.



TYPICAL CURVED LAYOUT DETAIL

No Scale

SOUTH TAHOE GREENWAY BOARDWALK SEGMENTS

BOARDWALK SEGMENT	BOARDWALK LOCATIONS AND LENGTHS			ESTIMATED NUMBER OF COMPONENTS REQUIRED PER BOARDWALK			
	APPROXIMATE BEGINNING STATION	APPROXIMATE END STATION	TOTAL BOARDWALK LENGTH	TREADS	BEAMS	HELICAL PIERS	CLIP ANGLES
#1	'MM' 25+95.00	'MM' 30+36.15	441'-1 3/4"±	126	44	44	TBD
#2	'MM' 31+46.40	'MM' 34+70.00	323'-7 1/8"±	92	32	34	TBD
#3	'AG' 9+75.00	'AG' 15+50.00	575'-0"±	164	58	60	TBD
#4	'AG' 10+66.88 (6.00 RT)	'AG' 10+66.81 (20.00 RT)	14'-0"±	4	2	4	TBD

**BOARDWALK TYPICAL PLAN
SCALE : AS SHOWN**

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF :

 REGISTERED CIVIL ENGINEER
 DATE: 09/27/19

DESIGNED: DWH
 CHECKED: BH
 DRAWN: SGM
 DATE: 09/26/19
 ROAD NUMBER: -



**COUNTY OF EL DORADO
 DEPARTMENT OF TRANSPORTATION**

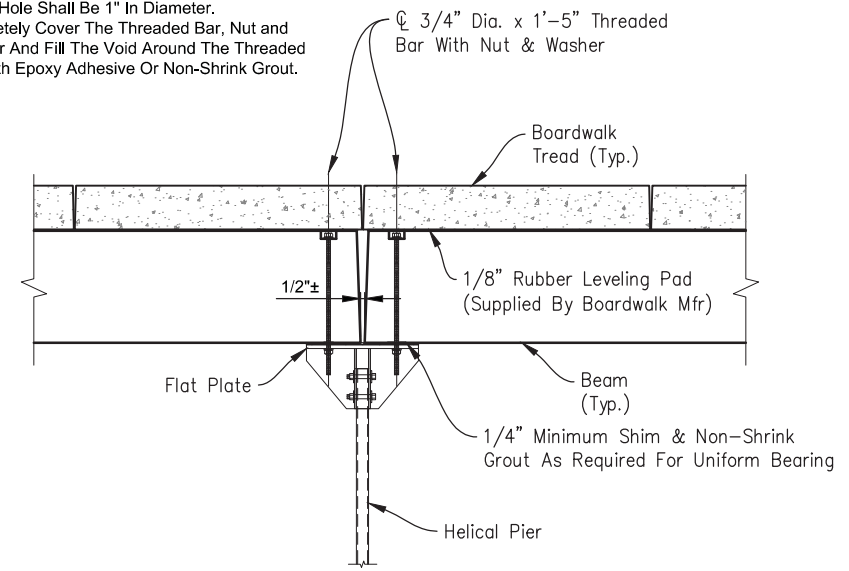
**SOUTH TAHOE GREENWAY SHARED
 USE TRAIL PHASE 1B & 2**

SHEET
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 38 OF 47
 W.O. No. 95200

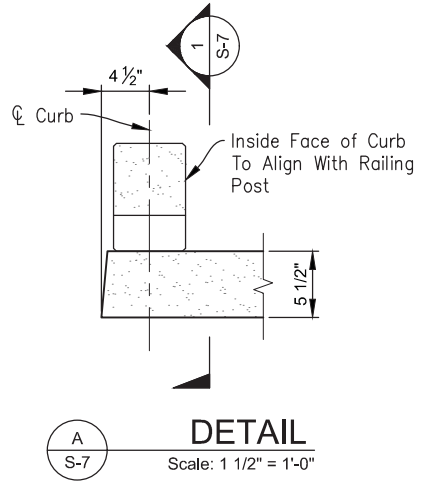
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 Drawing Name: C:\Civil_3D\Projects\95200 South Tahoe Greenway\CADD Files\Sheets\S-Sheets.dwg Layout Tab: S-7 Sep 26, 2019 6:04am SMC/vey
 FOR REDUCED PLANS

- Notes:**
1. Threaded Bar Shall Be Set In Epoxy Adhesive Anchoring System.
 2. Threaded Bar Shall Be Embedded A Minimum of 3" Deep.
 3. Drilled Hole Shall Be 1" In Diameter.
 4. Completely Cover The Threaded Bar, Nut and Washer And Fill The Void Around The Threaded Bar With Epoxy Adhesive Or Non-Shrink Grout.

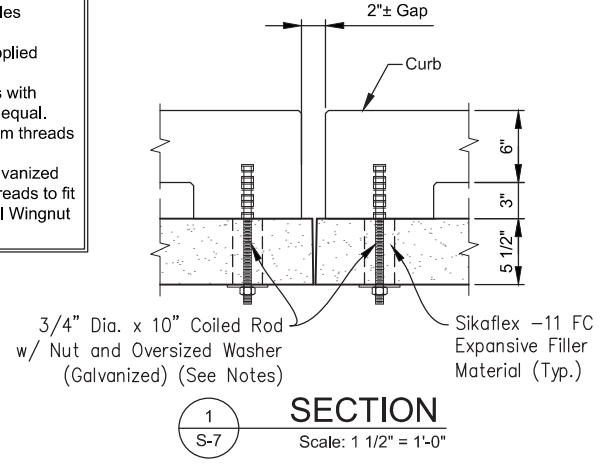
Note: Curb And/Or Railing Not Shown For Clarity.



TYPICAL PIER CONNECTION DETAIL
 Scale: 1" = 1'-0"

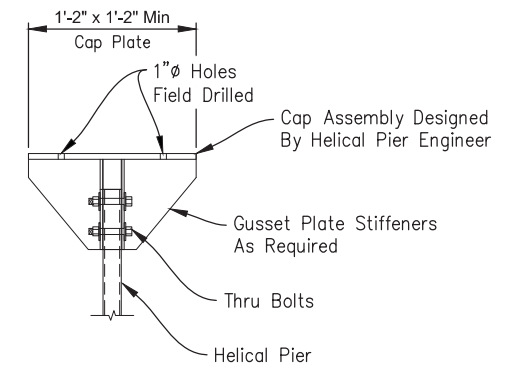


- Notes:**
1. 2" diameter preformed holes supplied by Boardwalk Mfr.
 2. Connection hardware supplied by others.
 3. Fill oversized dowel holes with Sikaflex-11 FC or approved equal.
 4. After tightening nut, deform threads on rod to prevent loosening.
 5. Threaded rod shall be galvanized and have Coarse Coiled Threads to fit a Meadow Burke CX-28 Coil Wingnut Insert.

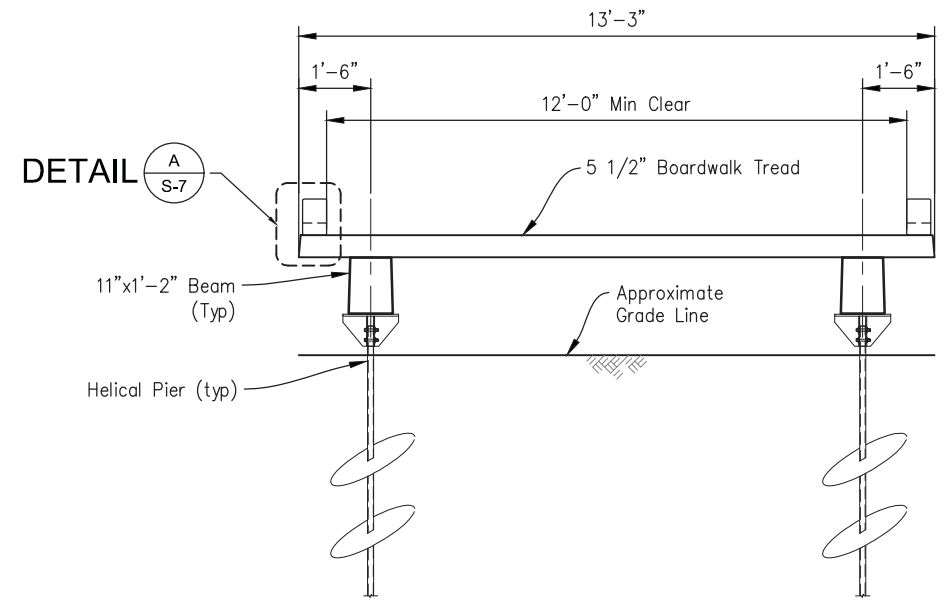


SECTION 1 S-7
 Scale: 1 1/2" = 1'-0"

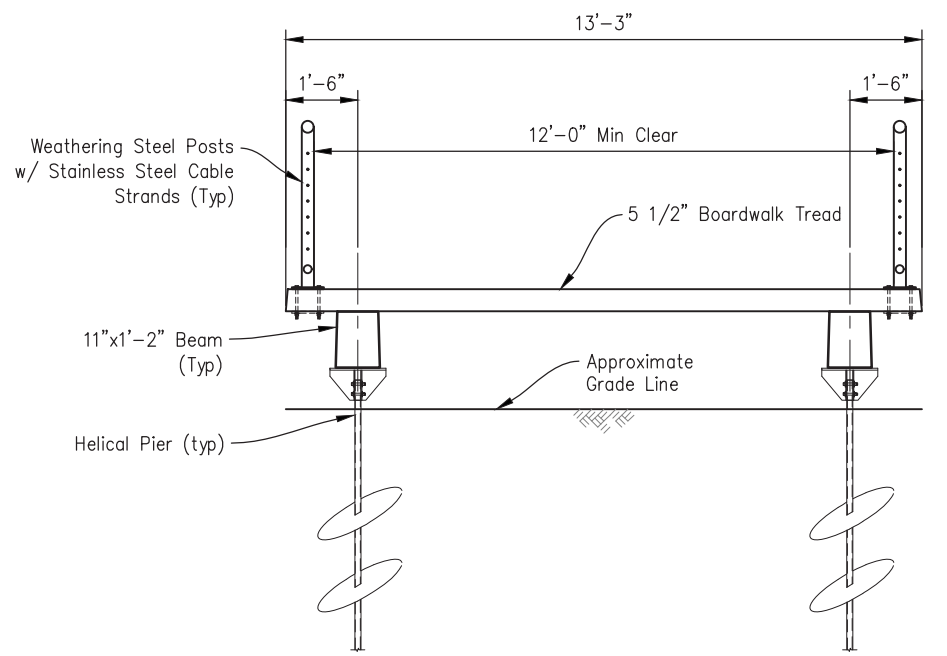
- Helical Pier Notes:**
1. Design Loads To Be Determined By The Helical Pier Engineer.
 2. Helical Pier, Cap Plate Assembly, Gusset Plates, And Hardware Shall Be Hot-Dipped Galv. Cap Plate Assembly Shall Have (2) 1" Holes For Beam Connection.
 3. Depth Of Helical Pier To Be Designed By The Helical Pier Engineer.
 4. Cross Bracing Of Helical Piers May Be Required For Lateral Stability And Shall Be Detailed By Helical Pier Engineer.



TYPICAL HELICAL PIER CAP DETAIL
 Scale: 1" = 1'-0"



TYPICAL SECTION
 Scale = 1/2" = 1'-0"



TYPICAL SECTION w/ RAILING
 Scale: 1/2" = 1'-0"
 (*MM' Line 29+07.00 To 30+36.15 And 31+46.40 To 32+50.00)

BOARDWALK TYPICAL DETAILS
 SCALE : AS SHOWN



PREPARED UNDER THE SUPERVISION OF :
 [Signature]
 REGISTERED CIVIL ENGINEER
 DATE: 09/27/19

DESIGNED: DWH
 DRAWN: SGM
 CHECKED: BH
 DATE: 09/26/19
 ROAD NUMBER: -

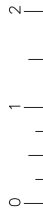


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

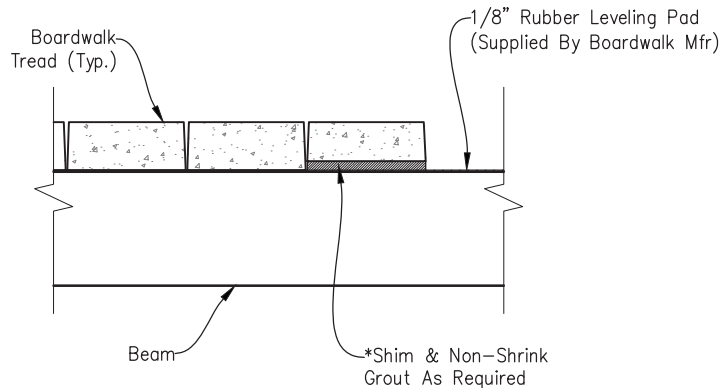
SOUTH TAHOE GREENWAY SHARED
USE TRAIL PHASE 1B & 2

SHEET
S-7
 39 OF 47
 W.O. No. 95200

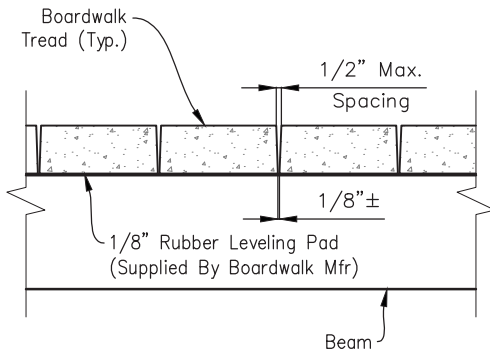
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 Drawing Name: C:\Civil 3D Projects\95200 South Tahoe Greenway\CADD Files\Sheets\S-Sheets.dwg Layout Tab: S-8 Sep 26, 2019 - 6:03am SMC/Vey
 FOR REDUCED PLANS



***Note:**
 Due to tolerances and variance in precast production and installation accuracy, shimming and grouting may be required. Where required the entire bearing area and void shall be shim and grouted with non-shrink grout.

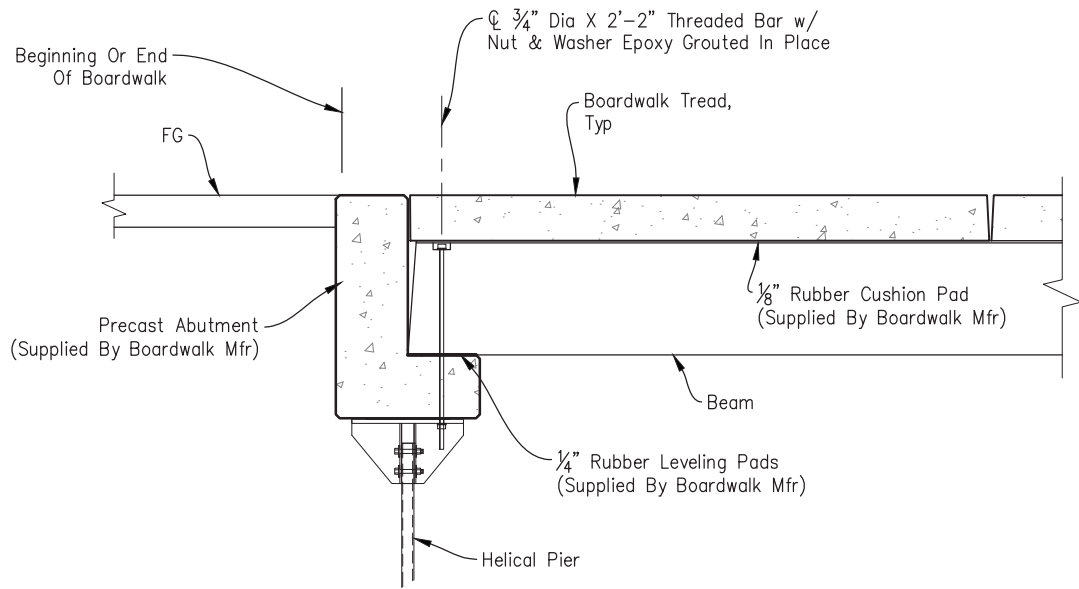


TYPICAL SHIM/GROUT DETAIL
 Scale: Not To Scale (UNDER TREAD)



TYPICAL TREAD SPACING DETAIL
 Scale: Not To Scale

Note:
 Curbs Not Shown For Clarity



TYPICAL PRECAST ABUTMENT DETAIL
 Scale: Not To Scale

(MM' Line 25+95.00, 34+70.00)
 ('AG' Line 9+75.00, 10+66.81-20' Rt, 15+50.00)

BOARDWALK TYPICAL DETAILS
 SCALE : AS SHOWN

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF :
[Signature]
 REGISTERED CIVIL ENGINEER
 DATE: 09/27/19

DESIGNED: DWH
 DRAWN: SGM
 CHECKED: BH
 DATE: 09/26/19
 ROAD NUMBER: -

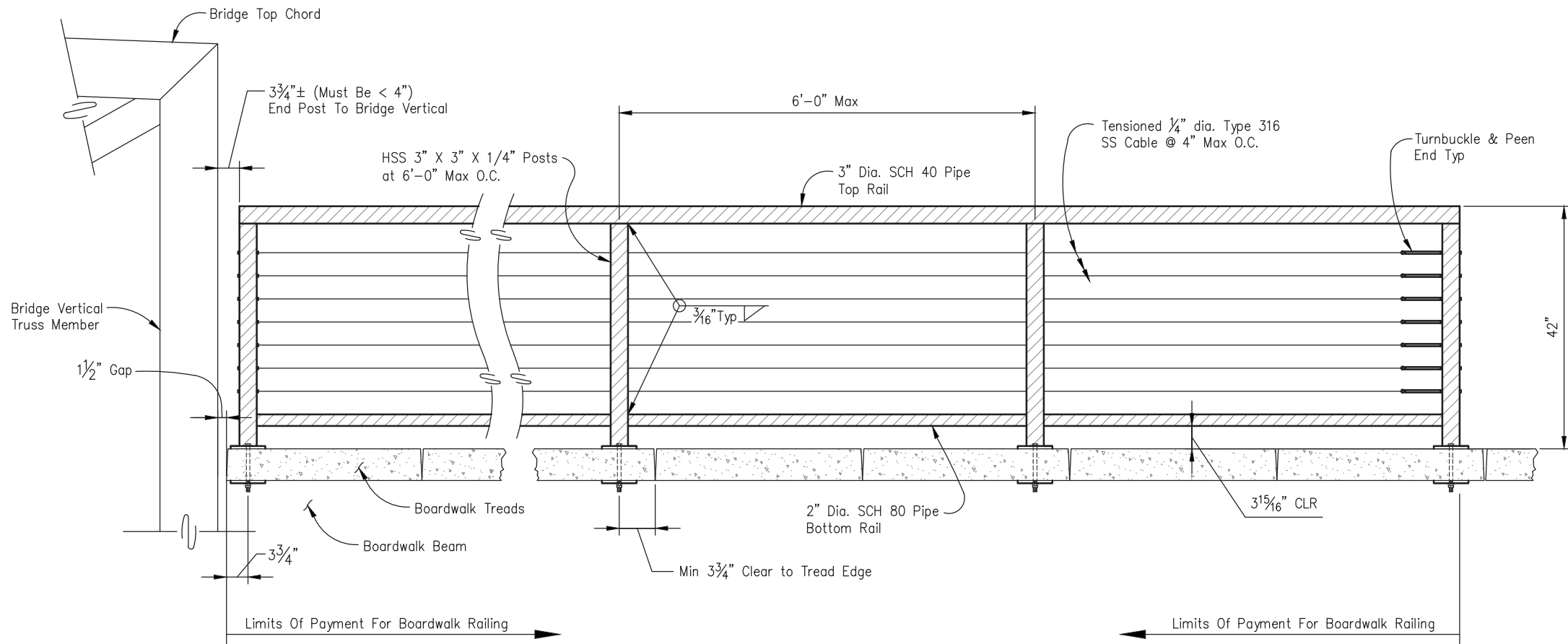


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

SOUTH TAHOE GREENWAY SHARED
USE TRAIL PHASE 1B & 2

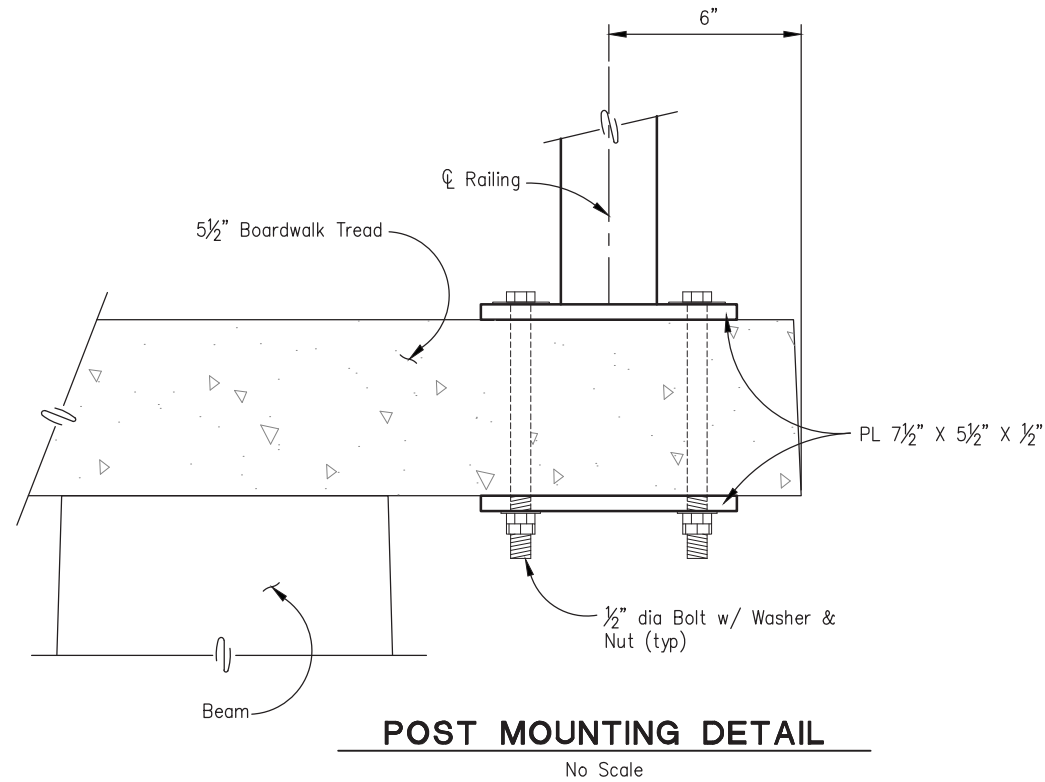
SHEET
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 40 OF 47
 W.O. No. **95200**

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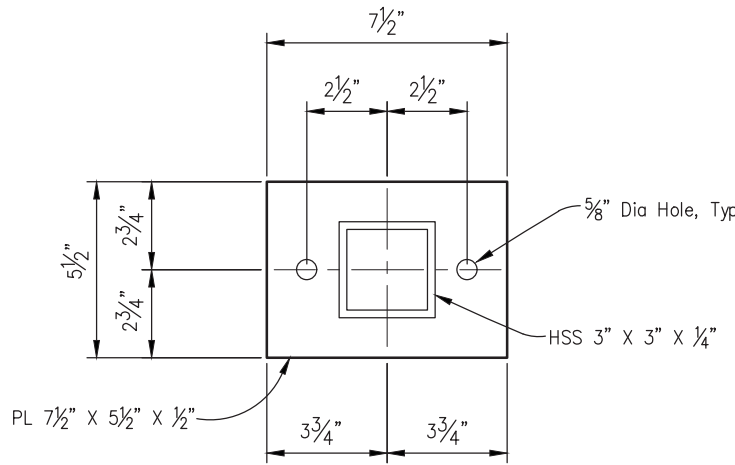


- NOTES:**
1. All HSS Posts And Pipe Rails To Be A847 Weathering Steel.
 2. All Hardware (Bolts, Washers, Nuts) To Be ASTM F593 Stainless Steel 18-8.
 3. Tensioned Cable To Be Type 316 Stainless Steel.

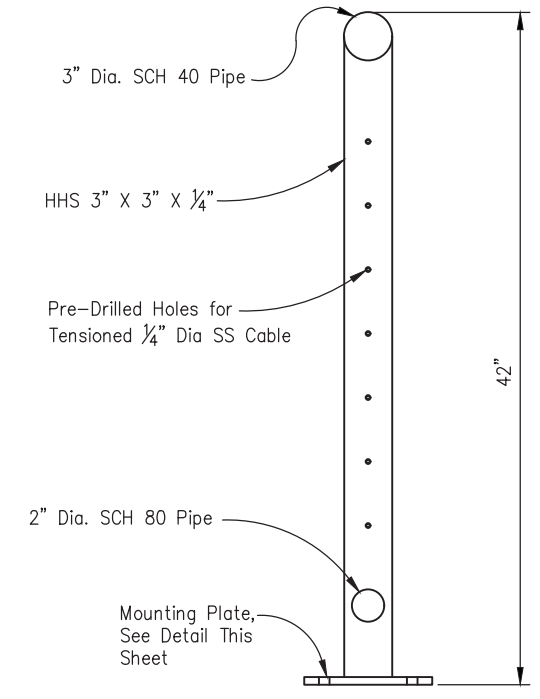
RAILING DETAIL
SCALE: 1"=1'-0"



POST MOUNTING DETAIL
No Scale



MOUNTING PLATE DETAIL
No Scale



POST DETAIL
No Scale

BOARDWALK RAILING
SCALE : AS SHOWN



PREPARED UNDER THE SUPERVISION OF :

 REGISTERED CIVIL ENGINEER
 DATE: 09/27/19

DESIGNED: DWH
 DRAWN: SGM
 CHECKED: BH
 DATE: 09/26/19
 ROAD NUMBER: -

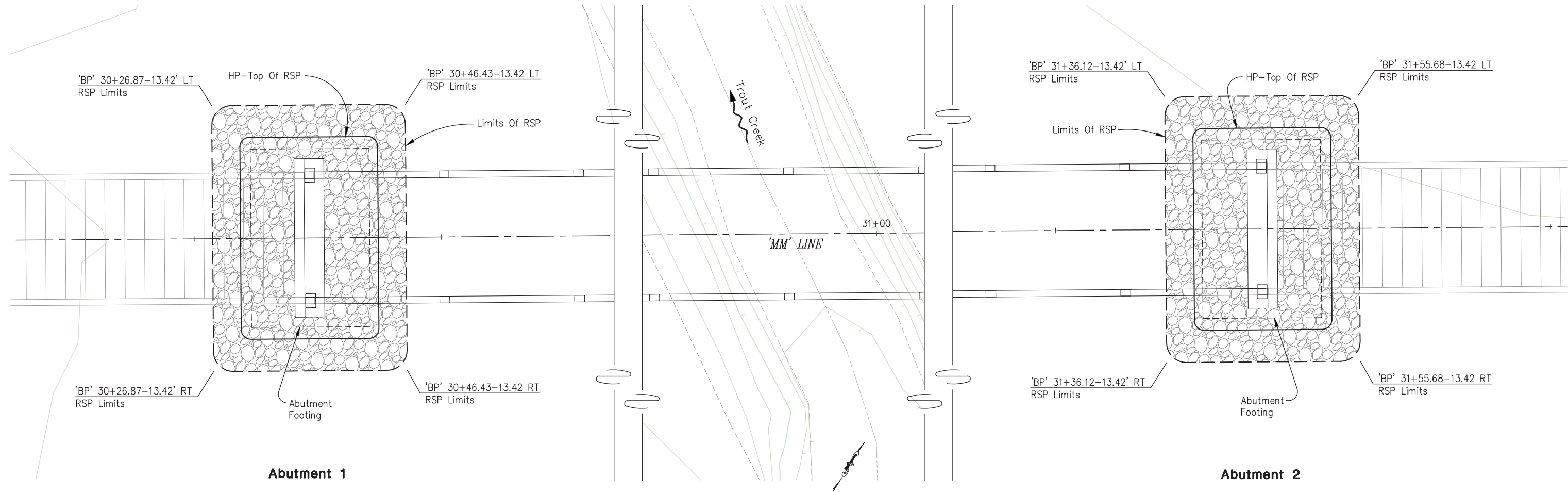


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

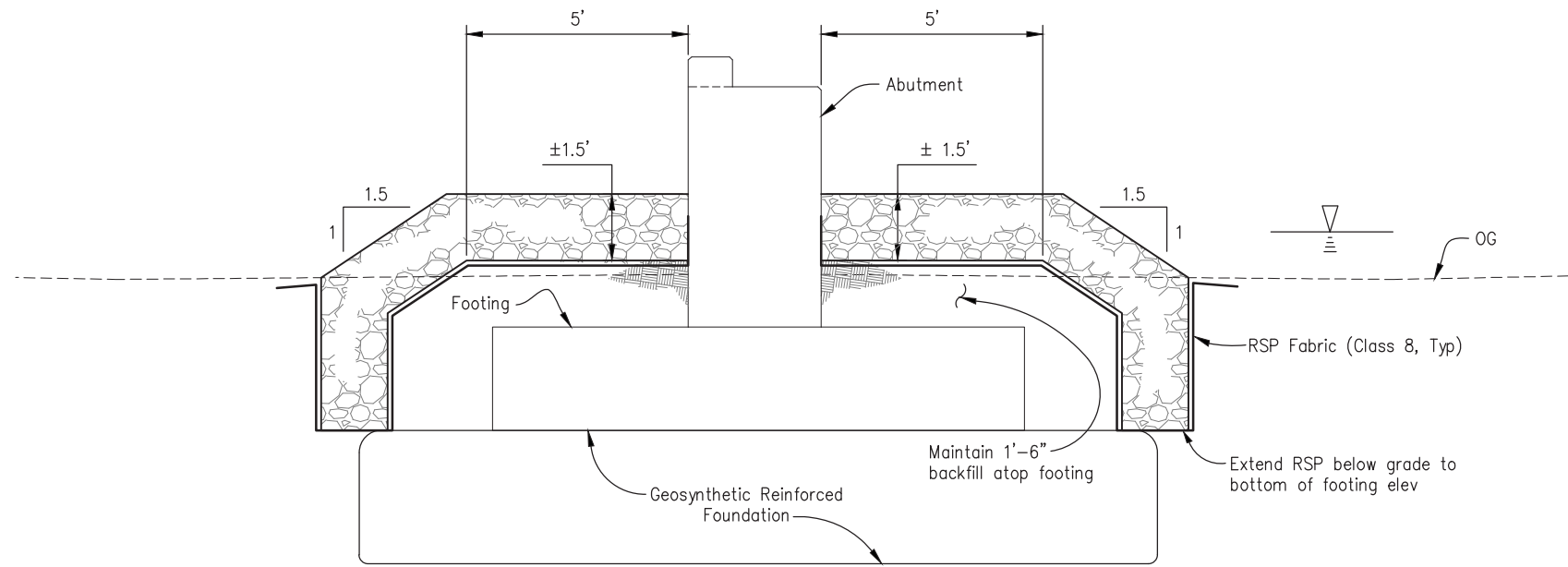
SOUTH TAHOE GREENWAY SHARED
USE TRAIL PHASE 1B & 2

SHEET
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 41 OF 47
 W.O. No. 95200

ORIGINAL SCALE IS IN INCHES
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 FOR REDUCED PLANS



PLAN
1" = 5'-0"



TYPICAL RSP SECTION AT ABUTMENTS
1/2" = 1'-0"

- LEGEND**
- Indicates limits of Rock Slope Protection (60lb, Class II, Method B)
 - Indicates 100-year Design Water Surface Elevation (6250.15)

ROCK SLOPE PROTECTION
SCALE : AS SHOWN



PREPARED UNDER THE SUPERVISION OF :

 REGISTERED CIVIL ENGINEER
 DATE: 09/27/19

DESIGNED: DWH
 DRAWN: SGM
 CHECKED: BH
 DATE: 09/26/19
 ROAD NUMBER: -



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

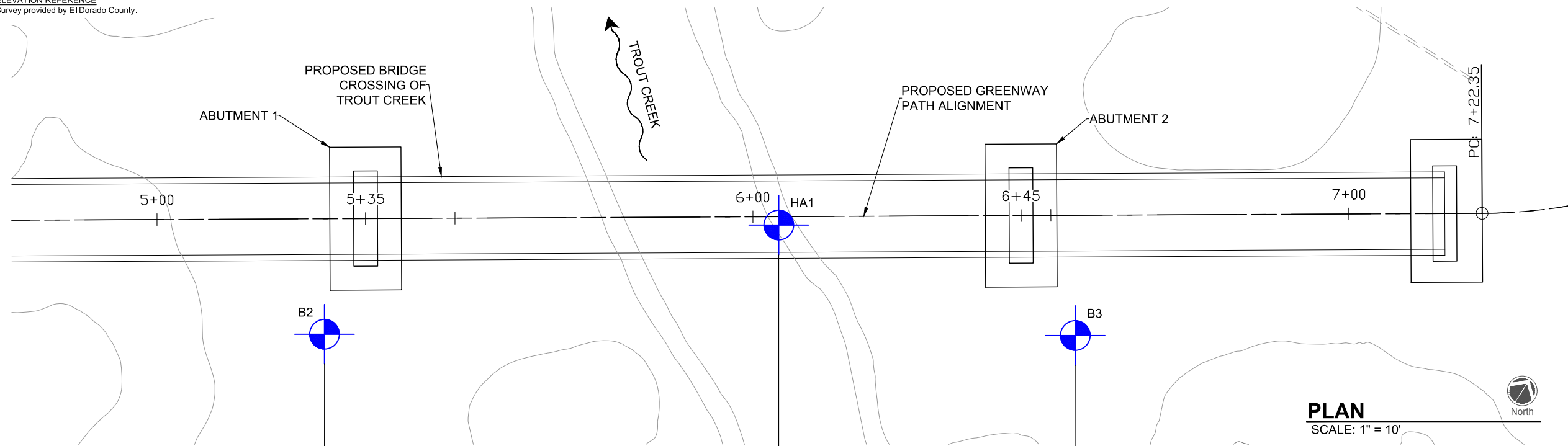
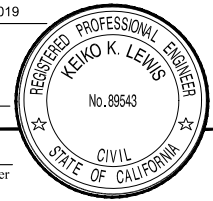
SOUTH TAHOE GREENWAY SHARED
USE TRAIL PHASE 1B & 2

SHEET
S-10
 42 OF 47
 W.O. No. **95200**

ELEVATION REFERENCE
Survey provided by El Dorado County.

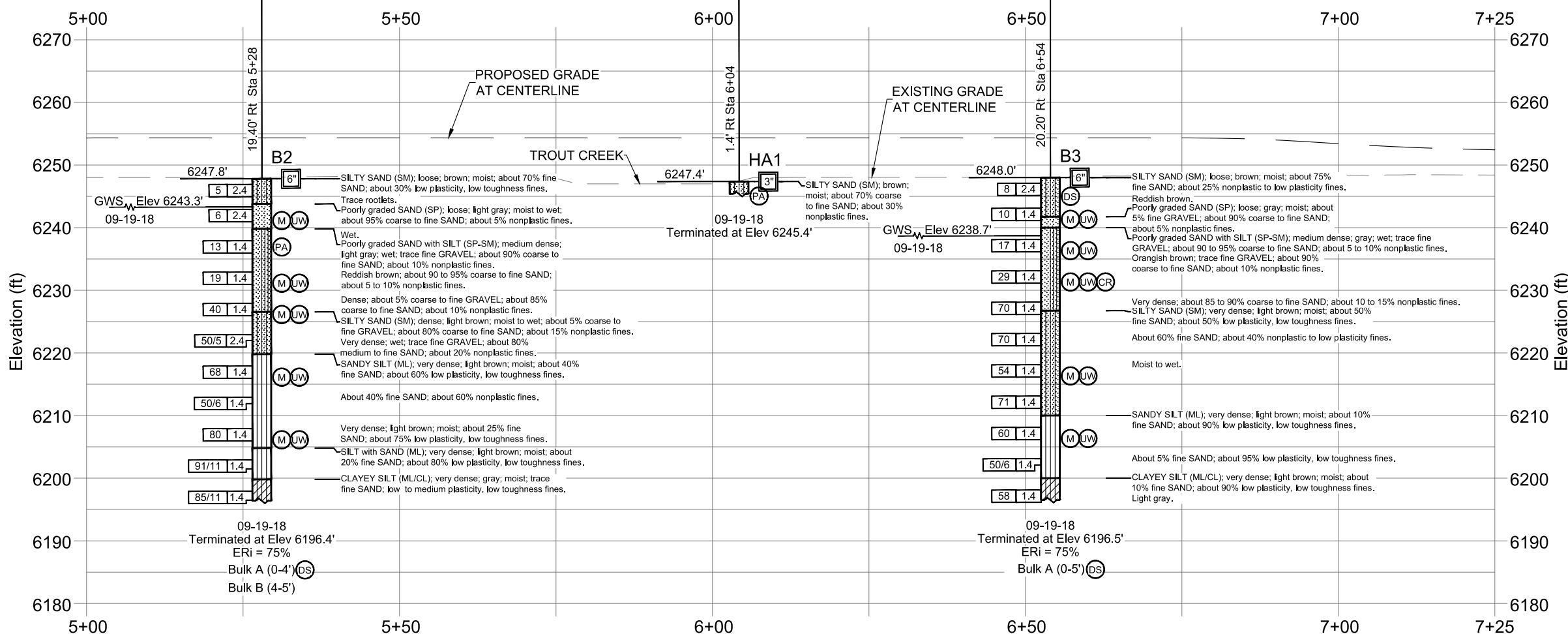
DIST	COUNTY	ROUTE	TOTAL PROJECT	SHEET NO	TOTAL SHEETS
3	ED			43	47

<i>Keiko Lewis</i> REGISTERED CIVIL ENGINEER	06-11-2019 DATE
9/27/2019 PLANS APPROVAL DATE	
Crawford & Associates, Inc. 1100 Corporate Way, Suite 230 Sacramento, CA 95831 916-455-4225	16-303.9 Project Number



PLAN
SCALE: 1" = 10'

- NOTES:
- Field classification of soils was in accordance with the Caltrans Soil & Rock Logging, Classification, and Presentation Manual (2010). See Log of Test Borings No. 2, "Soil Legend".
 - Standard Penetration tests were performed in accordance with ASTM D 1586-99 using a hammer operated with an automated drop system. Drill rods were 1 5/8-inch diameter "A"-rods; sampler was driven with steel liners.
 - "2.4 inch sampler": ID=2.4 inch, OD=2.9 inch. Driven in same manner as SPT ("1.4 inch") sampler.
 - If laboratory tests are not shown as being performed, the soil descriptions presented on the LOTB are based solely on the visual practices described in this Manual.
 - The length of each sampled interval is shown graphically on the boring log. Whole number blow counts ("N") represent the "standard penetration resistance" interval in accordance with the Caltrans Soil & Logging, Classification, and Presentation Manual (June 2010). Where less than 0.5 feet of penetration is achieved, the blow count shown is for that fraction of the "standard penetration resistance" interval actually penetrated.
 - Consistency of soils shown in () where estimated.
 - Groundwater surface (GWS) elevations in the borings indicated on the Log of Test Boring Sheets reflect the fluid level in the borings on the specified date.
 - Groundwater elevations are subject to seasonal fluctuations and may occur at higher or lower elevations depending on the conditions at any particular time.
 - Boring locations were measured in the field with respect to existing features then correlated to the topographic survey drawing provided by El Dorado County.
 - Existing ground profile & proposed grade at centerline were generated from the topographic survey provided by El Dorado County.

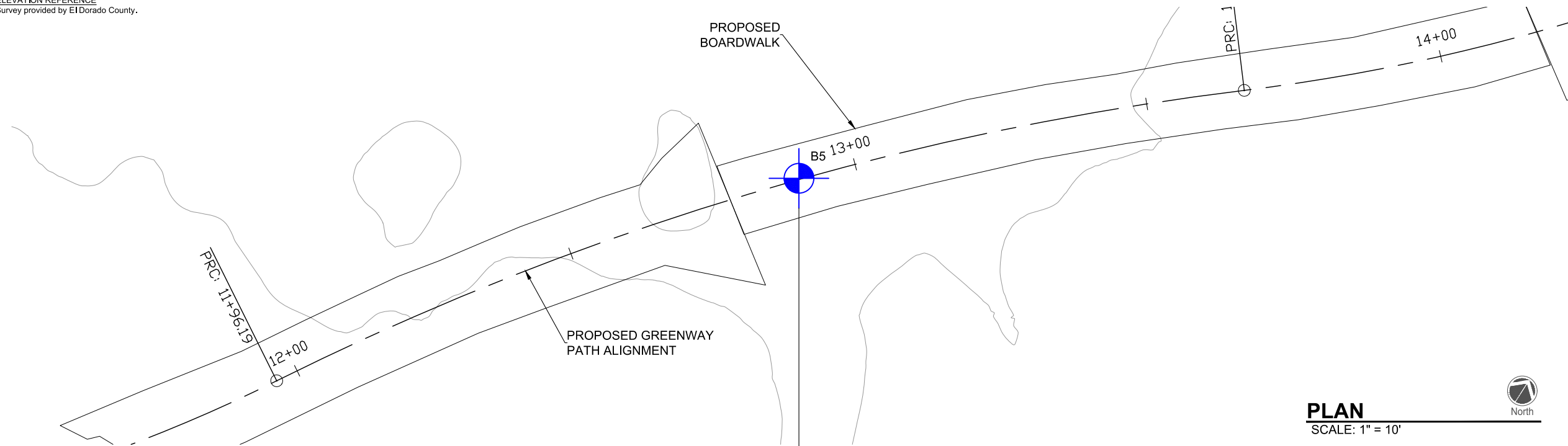


SHEET S-11

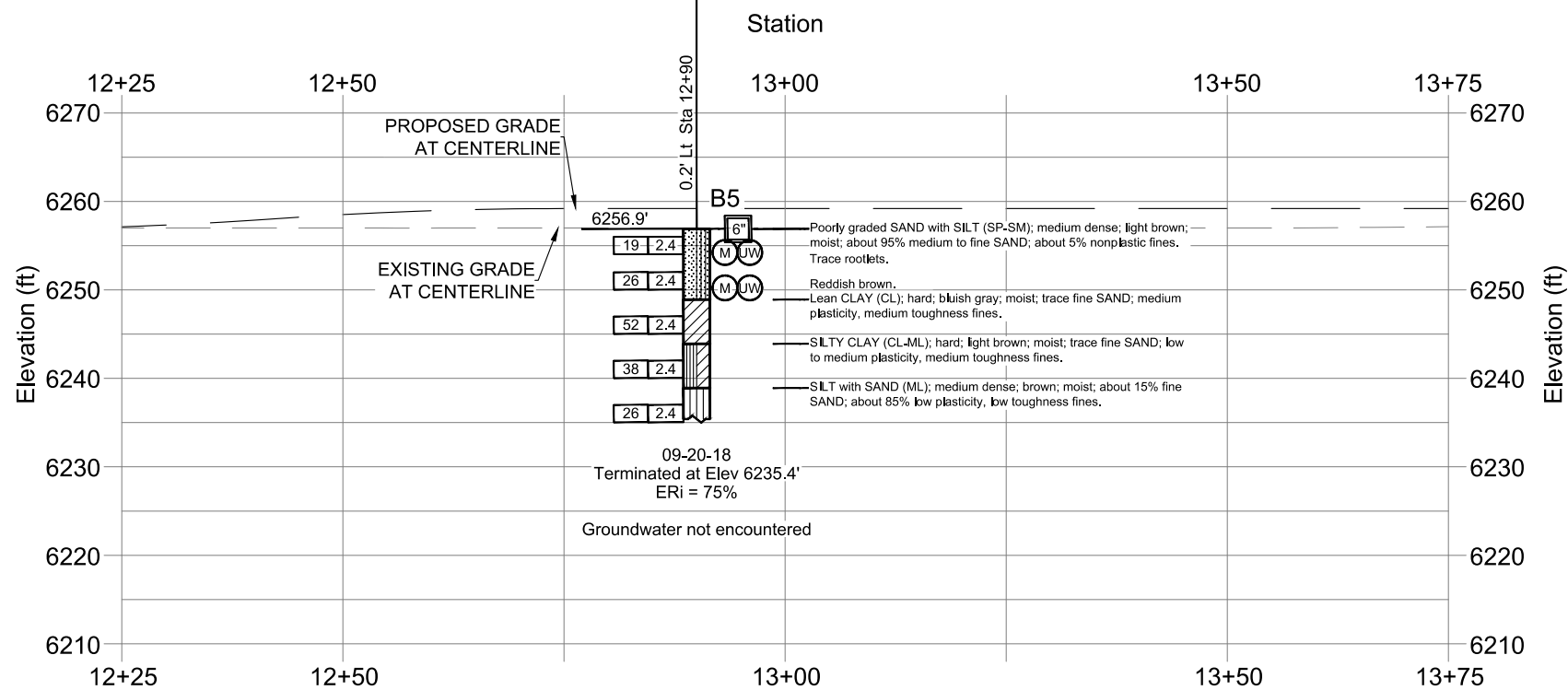
PROFILE HORIZ: 1"=10'
VERT: 1"=10'

ENGINEERING SERVICES		GEOTECHNICAL SERVICES		PREPARED FOR EL DERADO COUNTY DEPARTMENT OF PUBLIC WORKS		DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH		BRIDGE NO. POST MILE		SOUTH TAHOE GREENWAY SHARED USE PATH LOG OF TEST BORINGS	
FUNCTIONAL SUPERVISOR NAME: Richard Sowers		DRAWN BY: Barrett Updegraff CHECKED BY: Richard Sowers		FIELD INVESTIGATION BY: Keiko Lewis		CU XXXXX EA XXXXXX		DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES	
										SHEET	OF
										43	47

ELEVATION REFERENCE
Survey provided by El Dorado County.



PLAN
SCALE: 1" = 10'



DIST	COUNTY	ROUTE	TOTAL PROJECT	SHEET NO	TOTAL SHEETS
3	ED			44	47

Keiko Lewis
 REGISTERED CIVIL ENGINEER
 DATE: 06-11-2019
 9/27/2019
 PLANS APPROVAL DATE
 Crawford & Associates, Inc.
 1100 Corporate Way, Suite 230
 Sacramento, CA 95831
 916-455-4225
 Project Number: 16-303.9

NOTES:
 1. Field classification of soils was in accordance with the Caltrans Soil & Rock Logging, Classification, and Presentation Manual (2010). See Log of Test Borings No. 2, "Soil Legend".
 2. Standard Penetration tests were performed in accordance with ASTM D 1586-99 using a hammer operated with an automated drop system. Drill rods were 1 5/8-inch diameter "A"-rods; sampler was driven with steel liners.
 3. "2.4 inch sampler": ID=2.4 inch, OD=2.9 inch. Driven in same manner as SPT ("1.4 inch") sampler.
 4. If laboratory tests are not shown as being performed, the soil descriptions presented on the LOTB are based solely on the visual practices described in this Manual.
 5. The length of each sampled interval is shown graphically on the boring log. Whole number blow counts ("N") represent the "standard penetration resistance" interval in accordance with the Caltrans Soil & Logging, Classification, and Presentation Manual (June 2010). Where less than 0.5 feet of penetration is achieved, the blow count shown is for that fraction of the "standard penetration resistance" interval actually penetrated.
 6. Consistency of soils shown in () where estimated.
 7. Groundwater surface (GWS) elevations in the borings indicated on the Log of Test Boring Sheets reflect the fluid level in the borings on the specified date.
 8. Groundwater elevations are subject to seasonal fluctuations and may occur at higher or lower elevations depending on the conditions at any particular time.
 9. Boring locations were measured in the field with respect to existing features then correlated to the topographic survey drawing provided by El Dorado County.
 10. Existing ground profile & proposed grade at centerline were generated from the topographic survey provided by El Dorado County.

SHEET S-12

PROFILE HORIZ: 1"=10'
VERT: 1"=10'

ENGINEERING SERVICES		GEOTECHNICAL SERVICES		PREPARED FOR EL DERADO COUNTY DEPARTMENT OF PUBLIC WORKS		DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH		BRIDGE NO.	SOUTH TAHOE GREENWAY SHARED USE PATH	
FUNCTIONAL SUPERVISOR NAME: Richard Sowers	DRAWN BY: Barrett Updegraff	FIELD INVESTIGATION BY: Keiko Lewis						POST MILE	LOG OF TEST BORINGS	
CHECKED BY: Richard Sowers				ORIGINAL SCALE IN INCHES FOR REDUCED PLANS		CU XXXXX	EA XXXXXX	DISREGARD PRINTS BEARING EARLIER REVISION DATES		REVISION DATES
				0 1 2 3						SHEET 44 OF 47

REFERENCE: CALTRANS SOIL & ROCK LOGGING, CLASSIFICATION, AND PRESENTATION MANUAL (2010)

DIST	COUNTY	ROUTE	TOTAL PROJECT	SHEET NO	TOTAL SHEETS
3	ED			45	47

Keiko Lewis
 REGISTERED CIVIL ENGINEER
 DATE: 06-11-2019
 9/27/2019
 PLANS APPROVAL DATE
 Crawford & Associates, Inc.
 1100 Corporate Way, Suite 230
 Sacramento, CA 95831
 916-455-4225
 Project Number: 16-303.9

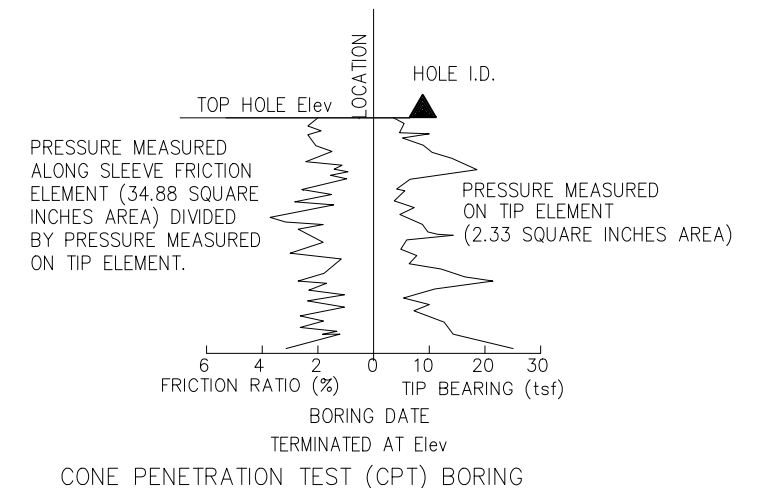
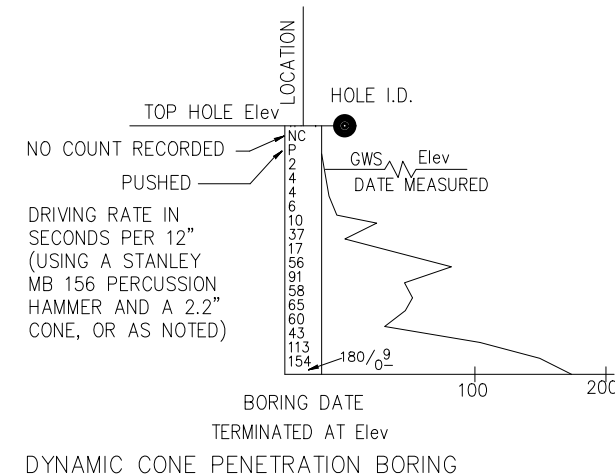
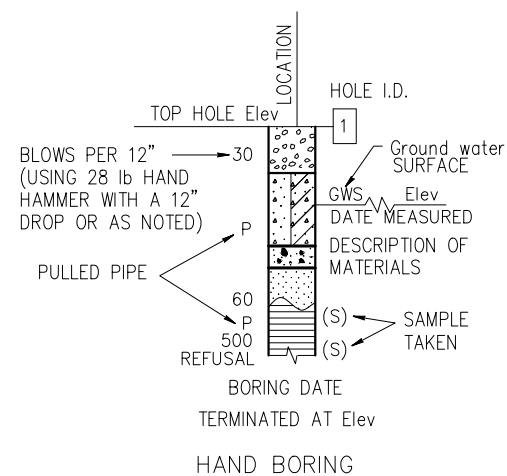
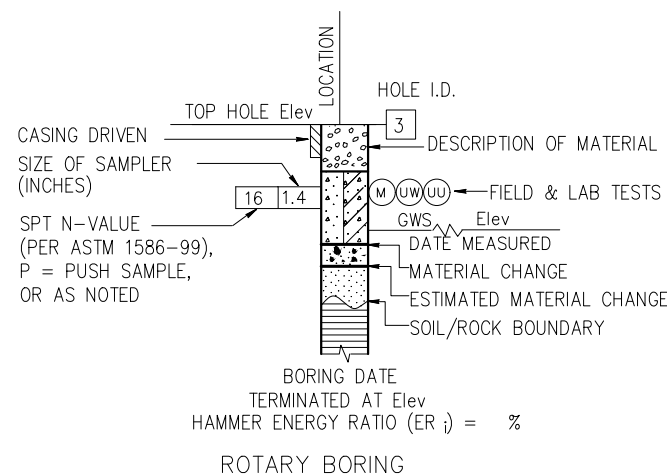
CEMENTATION	
DESCRIPTION	CRITERIA
WEAK	CRUMBLES OR BREAKS WITH HANDLING OR LITTLE FINGER PRESSURE.
MODERATE	CRUMBLES OR BREAKS WITH CONSIDERABLE FINGER PRESSURE.
STRONG	WILL NOT CRUMBLE OR BREAK WITH FINGER PRESSURE.

LEGEND - SOIL
(SHEET 1 OF 2)

BOREHOLE IDENTIFICATION		
SYMBOL	HOLE TYPE	DESCRIPTION
	A	AUGER BORING (HOLLOW OR SOLID STEM BUCKET)
	R	ROTARY DRILLED BORING (CONVENTIONAL)
	RW	ROTARY DRILLED WITH SELF-CASING WIRE-LINE
	RC	ROTARY CORE WITH CONTINUOUSLY-SAMPLED, SELF-CASING WIRE-LINE
	P	ROTARY PERCUSSION BORING (AIR)
	R	ROTARY DRILLED DIAMOND CORE
	HD	HAND DRIVEN (1-INCH SOIL TUBE)
	HA	HAND AUGER
	D	DYNAMIC CONE PENETRATION BORING
	CPT	CONE PENETRATION TEST (ASTM D 5778)
	O	OTHER (NOTE ON LOTB)

Note: Size in inches.

CONSISTENCY OF COHESIVE SOILS				
DESCRIPTION	SHEAR STRENGTH (tsf)	POCKET PENETROMETER MEASUREMENT, PP, (tsf)	TORVANE MEASUREMENT, TV, (tsf)	VANE SHEAR MEASUREMENT, VS, (tsf)
VERY SOFT	LESS THAN 0.12	LESS THAN 0.25	LESS THAN 0.12	LESS THAN 0.12
SOFT	0.12 - 0.25	0.25 - 0.5	0.12 - 0.25	0.12 - 0.25
MEDIUM STIFF	0.25 - 0.5	0.5 - 1	0.25 - 0.5	0.25 - 0.5
STIFF	0.5 - 1	1 - 2	0.5 - 1	0.5 - 1
VERY STIFF	1 - 2	2 - 4	1 - 2	1 - 2
HARD	GREATER THAN 2	GREATER THAN 4	GREATER THAN 2	GREATER THAN 2



SHEET S-13

ENGINEERING SERVICES

FUNCTIONAL SUPERVISOR
NAME: Richard Sowers

GEOTECHNICAL SERVICES

DRAWN BY: Barrett Updegraff
CHECKED BY: Richard Sowers

FIELD INVESTIGATION BY: Keiko Lewis

PREPARED FOR
EL DERADO COUNTY
DEPARTMENT OF PUBLIC WORKS

DIVISION OF ENGINEERING
SERVICES STRUCTURE DESIGN
DESIGN BRANCH

BRIDGE NO.

SOUTH TAHOE GREENWAY SHARED USE PATH

POST MILE

LOG OF TEST BORINGS

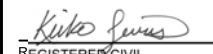
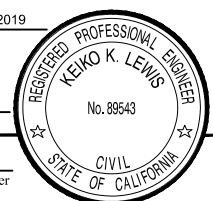
ORIGINAL SCALE IN INCHES FOR REDUCED PLANS

CU XXXXX
EA XXXXXX

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES
SHEET 45 OF 47

DIST	COUNTY	ROUTE	TOTAL PROJECT	SHEET NO	TOTAL SHEETS
3	ED			46	47


 REGISTERED CIVIL ENGINEER
 DATE: 06-11-2019
 9/27/2019
 PLANS APPROVAL DATE
 16-303.9
 Project Number


GROUP SYMBOLS AND NAMES			
GRAPHIC/SYMBOL	GROUP NAMES	GRAPHIC/SYMBOL	GROUP NAMES
	GW		CL
	GP		CL
	GW-GM		CL-ML
	GW-GC		CL-ML
	GP-GM		ML
	GP-GC		ML
	GM		OL
	GC		OL
	GC-GM		OL
	SW		OL
	SP		CH
	SW-SM		CH
	SW-SC		MH
	SP-SM		MH
	SP-SC		OH
	SM		OH
	SC		OH
	SC-SM		OH
	PT		OL/OH
			OL/OH

FIELD AND LABORATORY TESTING	
(C)	CONSOLIDATION (ASTM D 2435)
(CL)	COLLAPSE POTENTIAL (ASTM D 5333)
(CP)	COMPACTION CURVE (CTM 216)
(CR)	CORROSIVITY TESTING (CTM 643, CTM 422, CTM 417)
(CU)	CONSOLIDATED UNDRAINED TRIAXIAL (ASTM D 4767)
(DS)	DIRECT SHEAR (ASTM D 3080)
(EI)	EXPANSION INDEX (ASTM D 4829)
(M)	MOISTURE CONTENT (ASTM D 2216)
(OC)	ORGANIC CONTENT-% (ASTM D 2974)
(P)	PERMEABILITY (CTM 220)
(PA)	PARTICLE SIZE ANALYSIS (ASTM D 422)
(PI)	PLASTICITY INDEX (AASHTO T 90) LIQUID LIMIT (AASHTO T 89)
(PL)	POINT LOAD INDEX (ASTM D 5731)
(PM)	PRESSURE METER
(R)	R-VALUE (CTM 301)
(SE)	SAND EQUIVALENT (CTM 217)
(SG)	SPECIFIC GRAVITY (AASHTO T 100)
(SL)	SHRINKAGE LIMIT (ASTM D 427)
(SW)	SWELL POTENTIAL (ASTM D 4546)
(UC)	UNCONFINED COMPRESSION-SOIL (ASTM D 2166) UNCONFINED COMPRESSION-ROCK (ASTM D 2938)
(UU)	UNCONSOLIDATED UNDRAINED TRIAXIAL (ASTM D 2850)
(UW)	UNIT WEIGHT (ASTM D 4767)

LEGEND - SOIL (SHEET 2 OF 2)

APPARENT DENSITY OF COHESIONLESS SOILS	
DESCRIPTION	SPT N ₆₀ (BLOWS / 12 INCHES)
VERY LOOSE	0 - 5
LOOSE	5 - 10
MEDIUM DENSE	10 - 30
DENSE	30 - 50
VERY DENSE	GREATER THAN 50

MOISTURE	
DESCRIPTION	CRITERIA
DRY	NO DISCERNABLE MOISTURE
MOIST	MOISTURE PRESENT, BUT NO FREE WATER
WET	VISIBLE FREE WATER

PERCENT OR PROPORTION OF SOILS	
DESCRIPTION	CRITERIA
TRACE	PARTICLES ARE PRESENT BUT ESTIMATED TO BE LESS THAN 5%
FEW	5% - 10%
LITTLE	15% - 25%
SOME	30% - 45%
MOSTLY	50% - 100%

PARTICLE SIZE		
DESCRIPTION	SIZE	
BOULDER	GREATER THAN 12"	
COBBLE	3" - 12"	
GRAVEL	COARSE	3/4" - 3"
	FINE	1/5" - 3/4"
SAND	COARSE	1/16" - 1/5"
	MEDIUM	1/64" - 1/16"
	FINE	1/300" - 1/64"
SILT AND CLAY	LESS THAN 1/300"	

SHEET S-14

ENGINEERING SERVICES		GEOTECHNICAL SERVICES		PREPARED FOR EL DERADO COUNTY DEPARTMENT OF PUBLIC WORKS		DIVISION OF ENGINEERING SERVICES STRUCTURE DESIGN DESIGN BRANCH		BRIDGE NO.	SOUTH TAHOE GREENWAY SHARED USE PATH	
FUNCTIONAL SUPERVISOR NAME: Richard Sowers	DRAWN BY: Barrett Updegraff	FIELD INVESTIGATION BY: Keiko Lewis						POST MILE	LOG OF TEST BORINGS	
								DISREGARD PRINTS BEARING EARLIER REVISION DATES	REVISION DATES	SHEET 46 OF 47

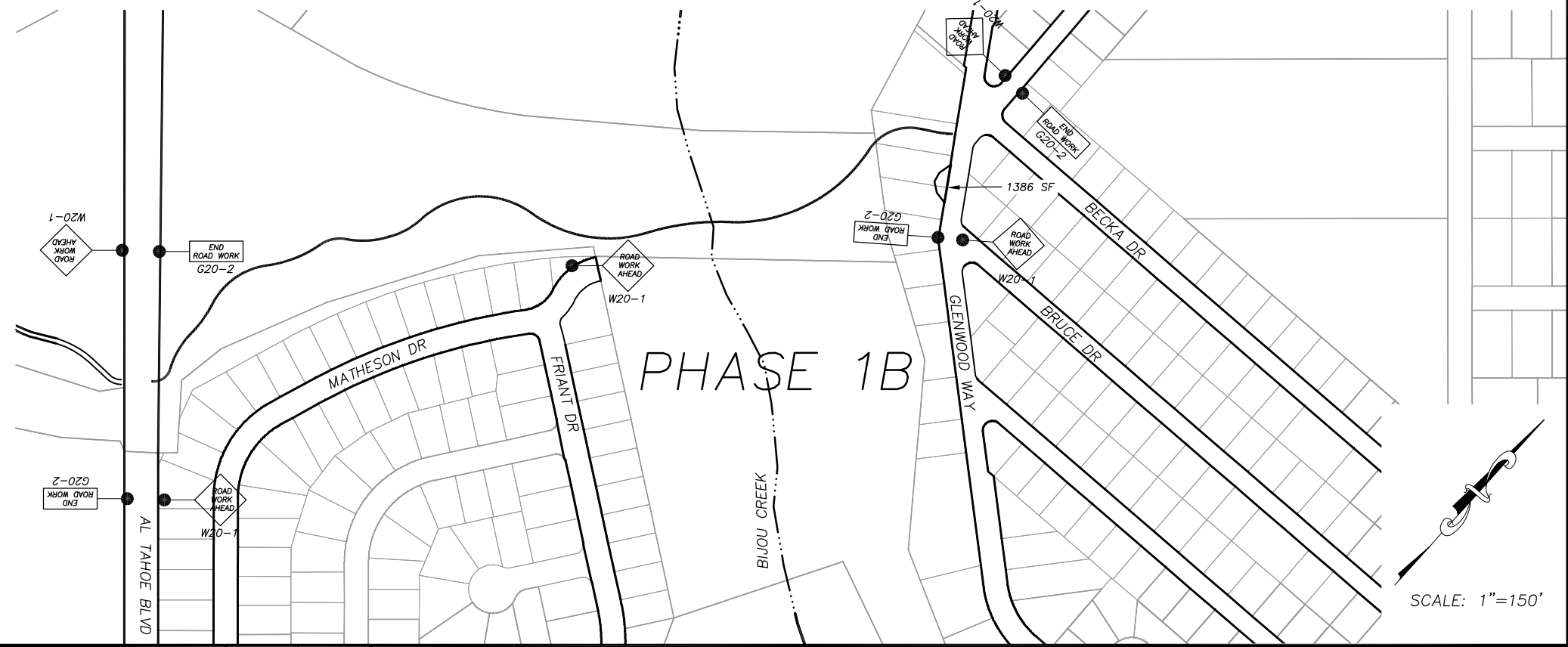
Drawing name: \\C:\Data\as5\T-1\SLT-Engineering\CIVIL_3D_PROJECTS\95200\Engineering\WPL\AN\GBR_Traffic.dwg
 ORIGINAL SCALE IS IN INCHES
 FOR REDUCED PLANS



LEGEND

- PROPOSED STAGING AREA WITH SF
 - APPROXIMATE SIGN LOCATION
 - "END ROAD WORK" SIGN
 - "ROAD WORK AHEAD" SIGN
 - TRAFFIC BARRICADE
 - TEMPORARY ROAD CLOSURE LIMITS
-
- ① ROAD CLOSED (C2 (CA))
 - ② ROAD CLOSED AHEAD (W20-3)
 - ③ DETOUR (M4-10) DIRECTION AS INDICATED
 - ④ DETOUR (S09 (CA))

- NOTES:
- THIS PLAN HAS BEEN PREPARED AS A GUIDE FOR YOU IN PREPARATION OF A COMPLETE TRAFFIC CONTROL PLAN AND TO AID IN YOUR PLANNING FOR STAGING/STORAGE OF MATERIALS AND EQUIPMENT. YOUR TRAFFIC CONTROL PLAN WILL INCLUDE DETAILED CONTROLS INCLUDING FLAGGERS, LANE CLOSURES, AND SIGNS FOR ALL ITEMS OF ROAD WORK WHICH WILL REQUIRE ALTERATION OF EXISTING TRAFFIC PATTERNS. THE LEGEND SHOWS THE LIST OF SIGNS TO BE REQUIRED AS A MINIMUM.
 - YOUR TRAFFIC CONTROL PLAN WILL ADDRESS EACH PHASE OF CONSTRUCTION (e.g. PIPE PLACEMENT, STRUCTURES ADJACENT TO AND/OR AFFECTING THE ROADWAY, ETC.) AND WILL CONFORM TO PART 6 OF THE CALIFORNIA MUTCD ENTITLED "TEMPORARY TRAFFIC CONTROL" AND THE SPECIAL PROVISIONS. YOUR TRAFFIC CONTROL PLAN WILL ALSO INCLUDE ALL SIGNING REQUIRED AT INTERSECTING STREETS WITHIN THE AREA THAT WILL REQUIRE TRAFFIC CONTROL.
 - WHEN LANE CLOSURES ARE REMOVED AND ROADS ARE OPEN TO PUBLIC TRAFFIC, ALL DRIVEWAYS WITHIN THE WORK AREA WILL BE ACCESSIBLE AND OPERATIONAL.
 - YOU WILL NOT EXCAVATE MORE THAN CAN BE INSTALLED AND BACKFILLED IN ONE WORKING DAY.
 - YOUR ATTENTION IS DIRECTED TO THE SWPPP, TEMPORARY EROSION CONTROL SHEETS, REVEGETATION PLAN SHEET, AND THE SPECIAL PROVISIONS REGARDING TEMPORARY EROSION CONTROL REQUIREMENTS FOR STAGING AREAS.
 - STAGING AREAS SHOWN ARE FOR THE TEMPORARY STORAGE OF CONSTRUCTION MATERIALS AND EQUIPMENT WHICH ARE TO BE USED ON THIS PROJECT.



REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
SEPTEMBER 27, 2019
 DATE:

DESIGNED: KIS
 DRAWN: KIS
 CHECKED: DSP
 DATE: 09/19
 ROAD NUMBER: ---



COUNTY OF EL DORADO
 DEPARTMENT OF TRANSPORTATION

SOUTH TAHOE GREENWAY SHARED USE TRAIL
 PHASE 1B & 2
 TRAFFIC CONTROL PLAN

SHEET
T-1
 47 OF 47
 CONTRACT NO.
3785
 CIP No.
95200