

INDEX OF SHEETS

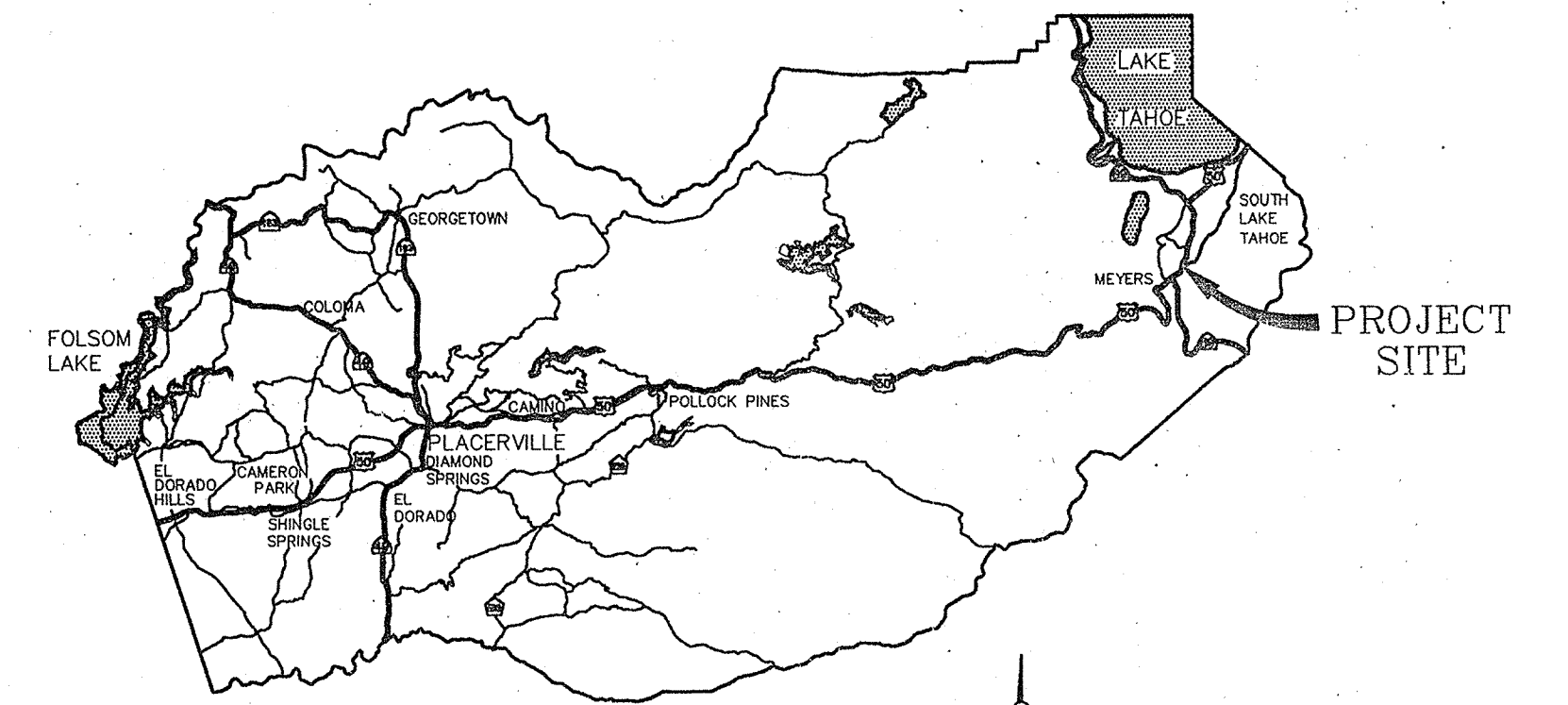
SHEET	TITLE
1	T-01 TITLE SHEET
2	T-02 SHEET INDEX, ABBREVIATIONS, AND LEGEND
3	T-03 GENERAL NOTES AND TYPICAL SECTION
4	P-01 BIKE PATH, PLAN AND PROFILE STA 155+00 TO 161+50
5	P-02 BIKE PATH, PLAN AND PROFILE STA 161+50 TO 166+00
6	P-03 BIKE PATH, PLAN AND PROFILE STA 166+00 TO 171+00
7	P-04 BIKE PATH, PLAN AND PROFILE STA 171+00 TO 174+74.69
8	D-01 DETAIL SHEET
9	D-02 DETAIL SHEET
10	D-03 DETAIL SHEET
11	S-01 SIGNING AND STRIPING DETAIL SHEET
12	S-02 SIGNING AND STRIPING LAYOUT
13	TC-01 TRAFFIC CONTROL PLAN
14	EC-01 ACCESS, STAGING & TEMPORARY EROSION CONTROL PLAN
15	EC-02 ACCESS, STAGING & TEMPORARY EROSION CONTROL PLAN
16	R-01 REVEGETATION PLAN
17	R-02 REVEGETATION PLAN
18	L-01 LAND COVERAGE MAP
19	RW-01 RETAINING WALL NO.1
20	RW-02 RETAINING WALL NO.2
21	B-01 BRIDGE GENERAL PLAN
22	B-02 BRIDGE INDEX PLAN
23	B-03 BRIDGE FOUNDATION PLAN
24	B-04 ABUTMENT 1 LAYOUT
25	B-05 ABUTMENT 4 LAYOUT
26	B-06 ABUTMENT DETAILS
27	B-07 BENT DETAILS
28	B-08 LOG OF TEST BORINGS

DEPARTMENT OF TRANSPORTATION
COUNTY OF EL DORADO, CA

PROJECT PLANS FOR THE CONSTRUCTION OF THE 2008
SAWMILL 1B BIKE PATH PROJECT

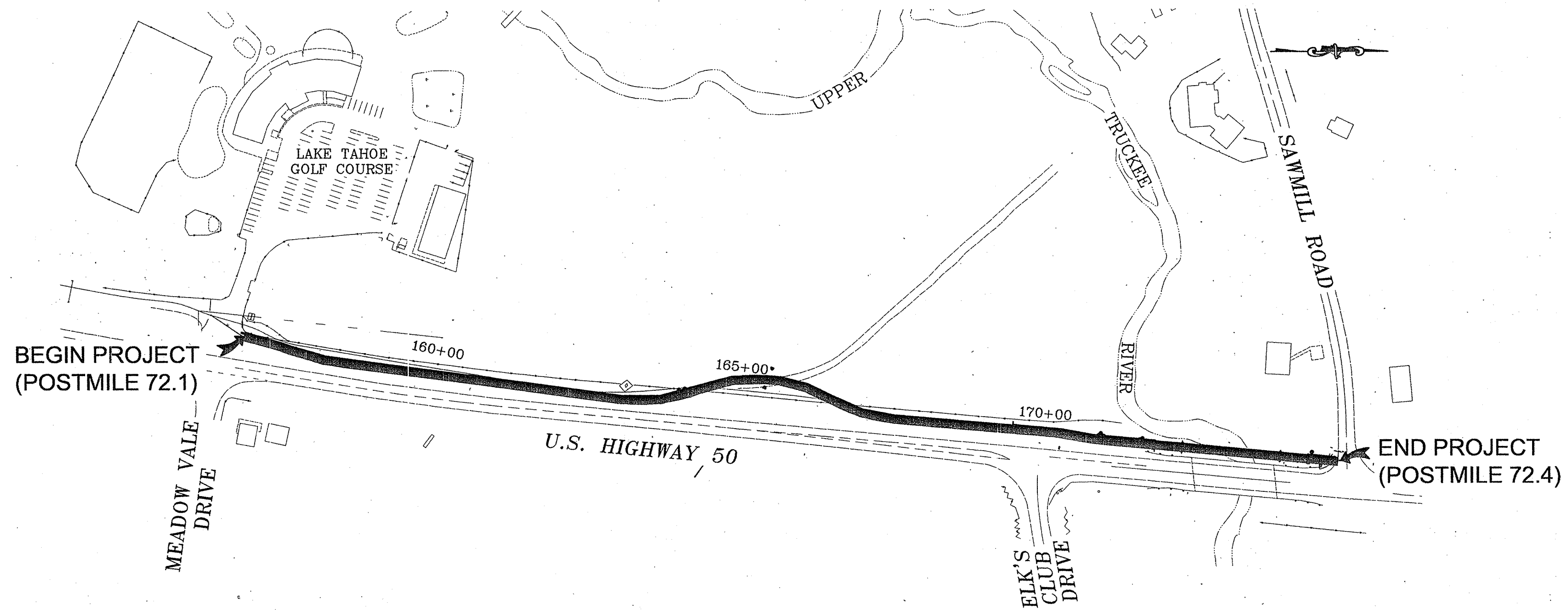
IN THE COUNTY OF EL DORADO, DISTRICT 5
PORTIONS OF SEC 20 & 29, T12N, R18E, M.D.M., SOUTH LAKE TAHOE, CA.

To be supplemented with Standard Plans, May 2006 and Standard Specifications,
May 2006 including the amendments to the May 2006 Standard Specifications of
the California Department of Transportation, unless otherwise noted.



VICINITY MAP
COUNTY OF EL DORADO

FUNDING AGENCY
CALIFORNIA TAHOE CONSERVANCY
TAHOE REGIONAL PLANNING AGENCY



LOCATION MAP
SCALE 1"=150'

Contractor's license Classification: Bidders shall be properly licensed to perform the Work pursuant to the State Contractor's License Act (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. 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 forfeiture as provided under that section.

RIGHT-OF-WAY AND/OR RIGHT-OF-ENTRY HAS BEEN ACQUIRED IN ACCORDANCE WITH APPLICABLE POLICY AND PROCEDURE COVERING THE ACQUISITION OF REAL PROPERTY. THE COUNTY HAS LEGAL AND/OR PHYSICAL POSSESSION AND RIGHT TO ENTER ON ALL ROADS REQUIRED FOR THE SAWMILL 1B BIKE PATH PROJECT.

REVIEWED BY: *Steve P. Kooymman* 5/13/08
SUPERVISING CIVIL ENGINEER
STATE OF CALIFORNIA No. 55757

REVIEWED BY: *Steve P. Kooymman* 5/13/08
SUPERVISING CIVIL ENGINEER
STATE OF CALIFORNIA No. 55757

DATE: 5/13/08

SUBMITTED BY: *John Meier* 4/30/08
CIVIL ENGINEER
STATE OF CALIFORNIA No. 63051

DATE: 4/30/08



CONTRACT NO. 95148

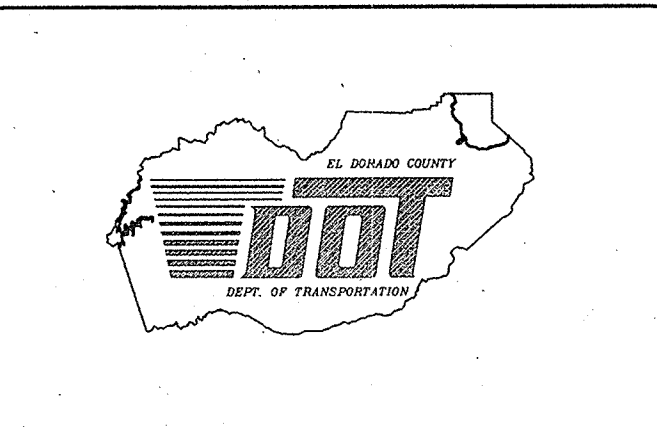
APPROVED BY: *Rusty Dupray* 6/5/08
RUSTY DUPRAY
CHAIRMAN, EL DORADO COUNTY BOARD OF SUPERVISORS
DATE: 6/5/08

For *Richard W. Shepard* PE 61036, Deputy Director June 4, 08
DIRECTOR, EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION
DATE: June 4, 08

For *Robert S. Slater* PE 61836, Deputy Director June 4, 08
DEPUTY DIRECTOR OF ENGINEERING, EL DORADO COUNTY DEPT. OF TRANSPORTATION
DATE: June 4, 08

COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

2850 FAIRLANE COURT 924 EMERALD BAY ROAD
PLACERVILLE, CA 95667 SO. LAKE TAHOE, CA 96150
(530) 621-5900 (530) 573-7900



REVISIONS		
MARK	DATE	BY

BOARD OF SUPERVISORS

RUSTY DUPRAY I
HELEN BAUMANN II
JAMES R. SWEENEY III
RON V. BRIGGS IV
NORMA SANTIAGO V

SAWMILL 1B BIKE PATH PROJECT

TITLE SHEET

SHEET 1 OF 28

ABBREVIATIONS

AB	AGGREGATE BASE	NGVD	NATIONAL GEODETIC VERTICAL DATUM (1929)
AC	ASPHALT CONCRETE	NTS	NOT TO SCALE
ACP	ASBESTOS CONCRETE PIPE	OC	ON CENTER
AP	ANGLE POINT	OG	ORIGINAL GRADE
APN	ASSESSOR'S PARCEL NUMBER	P	PINE
BB	BEGIN BRIDGE	PC	POINT OF CURVE
C	CEDAR OR CUT	PCC	PORTLAND CEMENT CONCRETE
C/F	CUT/FILL	PCPS	PRECAST PRESTRESSED
CF	CUBIC FEET	PG	PROFILE GRADE
CL	CONSTRUCTION LINE, CENTERLINE, OR CLASS	PL	PROPERTY LINE
CLF	CONSTRUCTION LIMIT FENCE	PRC	POINT OF REVERSE CURVE
CLR	CLEARANCE	PROP	PROPOSED
CMP	CORRUGATED METAL PIPE	PSP	PLANT SALVAGED SOD AND MEADOW PLUGS
CONC	CONCRETE	PT	POINT OF TANGENCY
CT	CALTRANS, CA DEPT OF TRANSPORTATION	PVI	POINT OF VERTICAL INTERSECT
CTC	CALIFORNIA TAHOE CONSERVATORY	R	RADIUS
DG	BOARDWALK DECK GRADE	R/W	RIGHT OF WAY
DIA OR Ø	DIAMETER	RC	RATE OF COMPRESSION
EG	EXISTING GRADE	RLC	ROCK LINED CHANNEL
EL, ELEV	ELEVATION	RSP	ROCK SLOPE PROTECTION
EB	END BRIDGE	RT	RIGHT
EP	EDGE OF PAVEMENT	RW	RETAINING WALL
ETW	EDGE OF TRAVELWAY	S	SEWER
EX.ETW	EXISTING EDGE OF TRAVELWAY	SD	STORM DRAIN
EX.EP	EXISTING EDGE OF PAVEMENT	SF	SQUARE FEET
EX, EXIST	EXISTING	SHT	SHEET
F	FIR OR FILL	SS	SANITARY SEWER
F/C	FILL/CUT	SSMH	SANITARY SEWER MANHOLE
FES	FLARED END SECTION	ST	SEDIMENT TRAP
FF	FILTER FENCE	STA	STATION
FG	FINISHED GRADE	STD	STANDARD
FL	FLOW LINE	STPUD	SOUTH TAHOE PUBLIC UTILITY DISTRICT
GA	GAUGE	TOT	TOTAL
GB	GRADE BREAK	TOW	TOP OF WALL
H, HORIZ	HORIZONTAL	TYP	TYPICAL
HDPE	HIGH DENSITY POLYETHYLENE	TRPA	TAHOE REGIONAL PLANNING AGENCY
HP	HINGE POINT	V, VERT	VERTICAL
IE	INVERT ELEVATION	VC	VERTICAL CREST
LC	LENGTH OF CHORD	USFS	UNITED STATES FOREST SERVICE
LF	LINEAR FEET	W	WATER OR WEST
LOL	LAYOUT LINE	W.S.E.	WATER SURFACE ELEVATION
LT	LEFT		
MH	MANHOLE		
MIN	MINIMUM		
MAX	MAXIMUM		
MPH	MILE PER HOUR		
MSS	COMPOST MULCH, SCARIFY, SEED		

UTILITIES

CABLE TELEVISION	CHARTER COMMUNICATIONS, (888) 954-8484
CALTRANS	DISTRICT 3 ENCROACHMENTS, (530) 852-8133
NATURAL GAS	SOUTHWEST GAS, (530) 543-3225
ELECTRIC	SIERRA PACIFIC POWER COMPANY, (530) 541-6400
SEWER AND WATER	SOUTH TAHOE PUBLIC UTILITY DISTRICT, (530) 544-6474
TELEPHONE	AT&T, (530) 888-2031

BENCHMARK

VERTICAL CONTROL IS NGVD29, HORIZONTAL CONTROL IS CCS 83, ZONE 2 COORDINATES, BASE ELEVATIONS ON NGVD29.

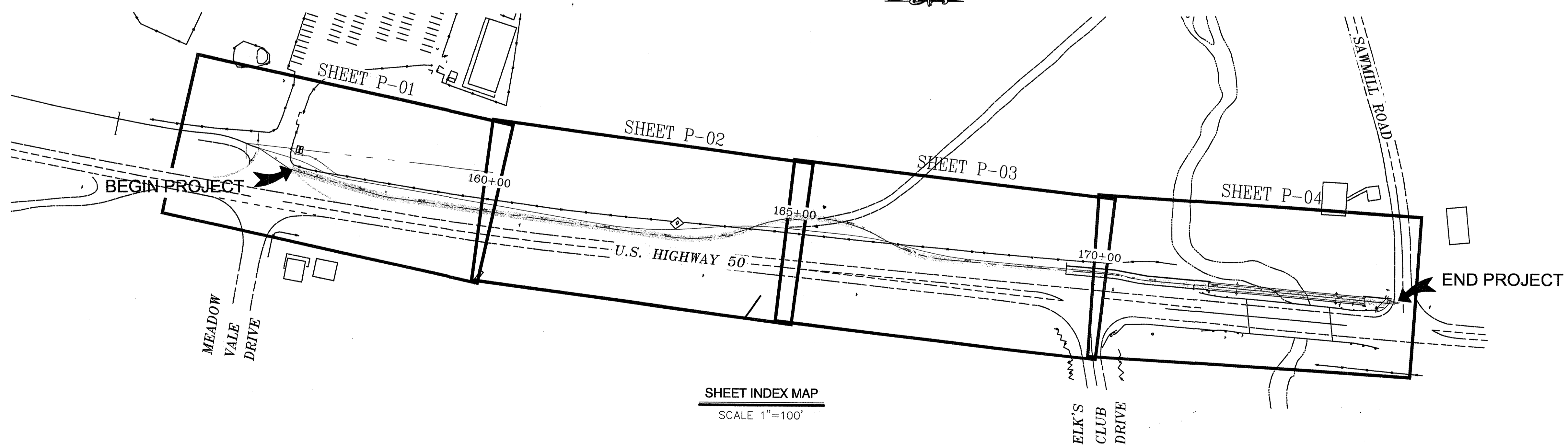
ELEVATION = 6276.20 FEET, NGVD29

ALL ELEVATIONS ARE IN FEET AND REFERRED TO NGS CONTROL POINT #PID DH6451 BEING A 3-INCH BRASS CAP STAMPED "GOLF - CA DEPARTMENT OF TRANSPORTATION, CALIFORNIA" SPATIAL REFERENCE CENTER, 2004 LOCATED NORTH OF THE ENTRANCE TO LAKE TAHOE GOLF COURSE, 4 FEET EAST OF WOODEN FENCE.

LEGEND

EXISTING		PROPOSED	
(SCREENED AND/OR DASHED)	EXISTING (AS NOTED)		PROPOSED CULVERT
	RIGHT-OF-WAY LINE		PROPOSED FENCE
	EXISTING GUARDRAIL		ROCK LINE CHANNEL
	EXISTING FENCE		FLARED END SECTION
	EXISTING MANHOLE, SAND TRAP		CUT LINE
	EXISTING TRAFFIC SIGNAL POLE		FILL LINE
	EXISTING UTILITY POLE		PROPOSED SIGN
	EXISTING STREET LIGHT POLE		SEZ SETBACK LINE
	EXISTING PIPES		FLOW LINE DIRECTION
	EXISTING UTILITY CABINETS		LAND CAPABILITY
	EXISTING DRAINAGE INLETS		PROPOSED BIKE PATH AC PAVEMENT
	EXISTING STREET SIGNS		PROPOSED SHOULDER
	EXISTING BILLBOARD SIGNS		GRIND 1.5" ASPHALT AND INSTALL 1.5" ASPHALT CONCRETE OVERLAY
	EXISTING ELEVATION		REMOVE EXISTING ASPHALT AND AB
	EXISTING FIRE HYDRANT		PROPOSED ELEVATION
	EXISTING BLOCK WALL		DETAIL REFERENCE NUMBER SHEET NUMBER
	EXISTING AC PAVEMENT		TYPE PSP
	EXISTING DIRT TRAIL		TYPE MSS
	EXISTING STPUD/SEWER VAULT		CONSTRUCTION LIMIT FENCE AND TREE PROTECTION FENCE
	EXISTING SANITARY SEWER LINE		FILTER FENCE
	EXISTING WATER LINE		PROPOSED BOARDWALK
	EXISTING ELECTRICAL LINE		DOWNSTREAM SAMPLE LOCATION PER SWPPP
	CONTOUR LINE		UPSTREAM SAMPLE LOCATION PER SWPPP
	GAS LINE		PEELER CORE FENCE
	SEWER FORCE MAIN		FLARED END SECTION WITH ROCK DISSIPATOR
	STORM DRAIN		COIR LOGS
	FEMA FLOOD ELEV.		SEDIMENT TRAP
	CALTRANS FLOOD ELEV.		ROCK BOWL
	GAS VALVE		TREE REMOVAL
	BLOW OFF VALVE		CLASS/BIKE TRAIL
			RETAINING WALL

DISTRICT	COUNTY	ROUTE	MILE POST TOTAL PROJECT
3	ED	50	72.1



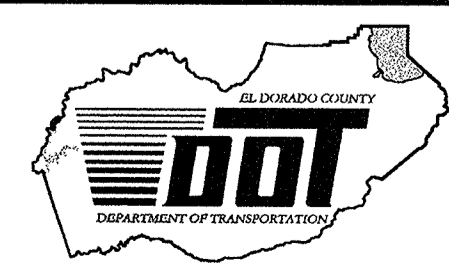
SHEET INDEX MAP
SCALE 1"=100'

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
 REGISTERED CIVIL ENGINEER
 DATE: _____

DESIGNED: RKWM
 DRAWN: AEK
 CHECKED: BV
 DATE: MAR 2008
 ROAD NUMBER: US 50



EL DORADO COUNTY
 DEPARTMENT OF TRANSPORTATION
 TAHOE ENGINEERING DIVISION

SAWMILL 1B BIKE PATH PROJECT
 SHEET INDEX
 ABBREVIATIONS AND LEGEND

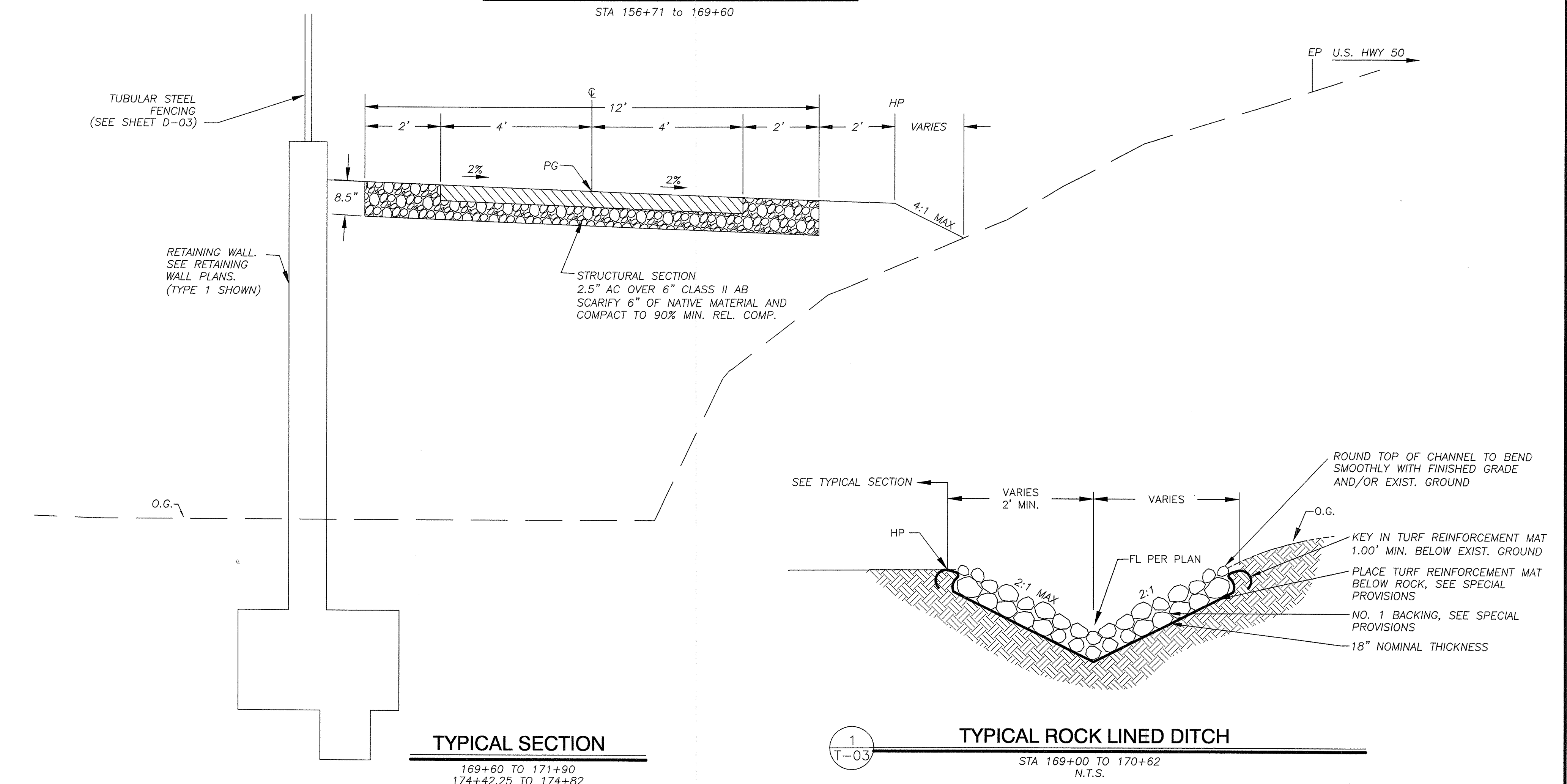
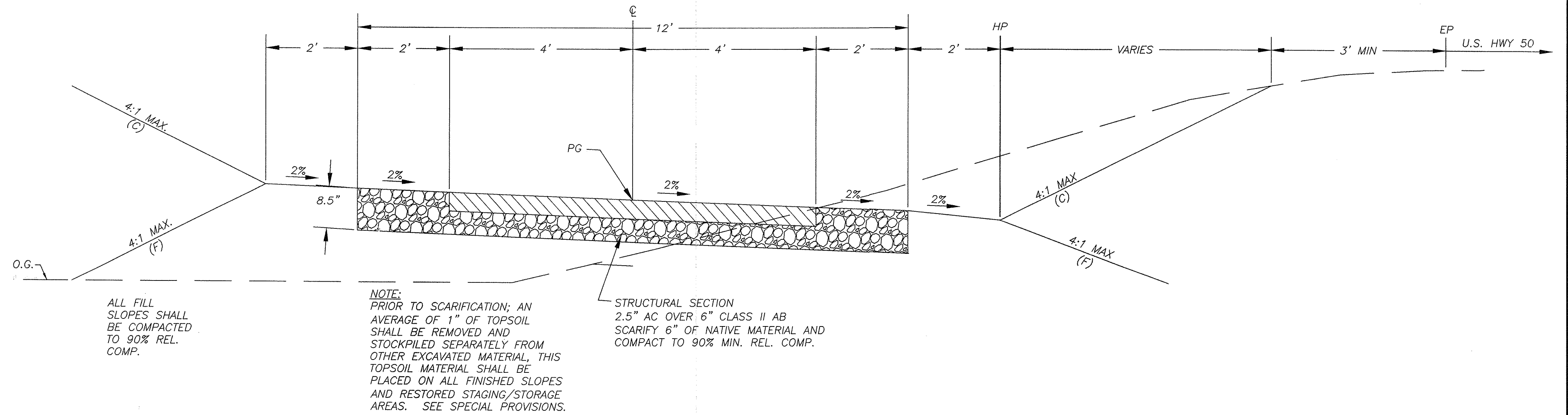
SHEET
T-02
 2 OF 28
 W.O. No. **95148**

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GENERAL NOTES

DISTRICT	COUNTY	ROUTE	MILE POST TOTAL PROJECT
3	ED	50	72.1

- All improvements shall be accomplished under the approval, inspection, and to the satisfaction of the El Dorado County Department of Transportation (DOT). Improvement construction shall comply with these plans and the May 2006 CALTRANS Standard Plans, unless noted otherwise. All references to the "Standard Specifications" shall mean the State of California, Department of Transportation (CALTRANS) Standard Specifications, including the amendments to the May 2006 Standard Specifications. Construction not specified on these plans or in specific El Dorado County (County) ordinances shall conform to the requirements of the Standard Specifications. The contractor is obligated to be familiar with applicable sections of the Standard Specifications not discussed in the general notes. Contract Special Provisions shall supersede those of the Standard Specifications where discrepancies exist.
- Construction hours shall be weekdays between 8:00 a.m. and 6:30 p.m. unless prior approval is received from the County DOT. Caltrans may enforce other requirements within the Highway 50 right-of-way. See Special Provisions.
- The locations and extent of existing 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 existing utilities based upon available records. The Contractor shall determine the type, location, size, and/or depth of the existing utilities within the work area before commencing work. The Contractor or any Subcontractor for this contract shall be fully responsible for any and all damages which might be occasioned by the failure to exactly locate and preserve any and all underground utilities. The Contractor shall contact Underground Service Alert at (800) 642-2444 at least 48 hours prior to any construction. The Contractor shall assume complete responsibility for damaged utilities.
- The Contractor shall be responsible for the protection of all existing survey monuments and other survey markers during construction.
- The Contractor shall provide, place, and maintain all lights, signs, barricades, flag persons, pilot car, or other devices necessary to control traffic through the construction area and for public safety in accordance with these plans, the Standard Specifications, California Manual on Uniform Traffic Control Devices (MUTCD - FHWA's MUTCD 2003 Revision, dated November 20, 2004) and MUTCD 2003 California Supplement dated May 20, 2004. Contractor shall provide for ingress and egress for private property adjacent to the work throughout the period of construction.
- The Contractor agrees to assume sole and complete responsibility for job site conditions during the course of construction of this project, including safety of all persons and property, and further agrees that this requirement shall apply continuously and not be limited to normal working hours in accordance with the provisions outlined by the project contract and the Standard Specifications.
- There shall be no grading or land disturbance performed with respect to the project between October 15 and May 1 unless proper approvals are obtained from the Tahoe Regional Planning Agency (TRPA), as provided in the limited exemption described in Subsection 4.2.4 of the TRPA Code of Ordinances. Approvals for grading between October 15 and May 1 must also be obtained from the California Regional Water Quality Control Board, Lahontan Region. If required, these approvals shall be obtained by the County.
- The Contractor shall maintain a set of plans on the job showing "As-Constructed" changes made to date. Upon completion of the project, the Contractor shall supply to the County a set of plans, marked up to the satisfaction of the County, reflecting the "As-Constructed" modifications.
- All control stationing and data dimensioning are referenced to the centerline of the facility shown unless otherwise noted.
- At no time shall the Contractor undertake to close off any existing utility lines or open valves or take any other action which would affect the operation of existing water systems without prior approval from the South Tahoe Public Utility District (STPUD). Approval shall be requested at least 48 hours in advance of the time that the interruption of the existing system is required. Any interruption of service to active water 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, the Contractor must advise STPUD.
- The Contractor shall be required to perform preventative dust control measures to ensure that dust resulting from the Contractor's performance of the work is controlled in conformance with the provisions of Section 7, "Legal Relations and Responsibility," of the Standard Specifications, County and local ordinances.
- The Contractor shall be responsible for implementing all temporary erosion control measures. The erosion control measures shall be in accordance with the (TRPA) "Handbook of Best Management Practices", the Storm Water Pollution Prevention Plan (SWPPP), these plans and the contract documents. The County shall contact TRPA prior to the commencement of work for a pre-grading inspection of the installed temporary erosion control facilities. The Contractor shall be responsible for the maintenance and performance of the temporary erosion control measures throughout the duration of the project. See Special Provisions regarding temporary erosion control facility removal.
- Construction limit fencing shown on the plans delineates the boundaries of the Contractor's work area limits. Construction limit fencing shall be erected along these boundaries prior to commencement of construction. Within the construction limits, existing vegetation shall be protected to the extent feasible. All existing trees shall be protected unless shown on the plans to be removed. See Special Provisions regarding contractor's limits of work and payment for tree removal.
- All revegetation shown on Plans is to be completed by the Contractor, unless noted otherwise.
- The Contractor shall use only designated specific sites for storage of equipment and materials as shown on these plans. The Contractor shall be responsible for the security of all equipment and materials.
- It is the responsibility of the Contractor and his Subcontractor(s) to examine the project site prior to the opening of bid proposals. The Contractor shall become familiar with the conditions under which the work is to be performed, such as 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 primarily for and during the performance of the work, and the costs thereof. Any failure by the Contractor and Subcontractor(s) to acquaint himself with all the available information will not relieve him from responsibility for properly estimating the difficulty and cost of successfully performing the work.
- Elevations shown on the plans for pipe inverts, tops of grates, rims, curbs, etc., are based upon the topographic information shown on the plans. The Contractor shall verify all necessary surface elevations in the field and notify the DOT of any discrepancies which might affect proper operation of the new facilities before breaking ground and prior to facility installation. The DOT shall be contacted in the event elevations are incorrect so that proper adjustments can be made prior to the installation of the facilities.
- Earthwork quantities shown on the plans are approximate and do not reflect subsidence, expansion, or shrinkage.
- The Contractor shall obtain at his own expense all permits, licenses, insurance policies, etc., not already obtained by the County, as may be necessary to comply with State and Local laws associated with the performance of the work. See Special Provisions.
- The Contractor is responsible to review the contract documents for all submittals required for County review and acceptance.
- The County will furnish the construction staking as set forth in the Special Provisions.
- All pipe lengths are measured horizontally.

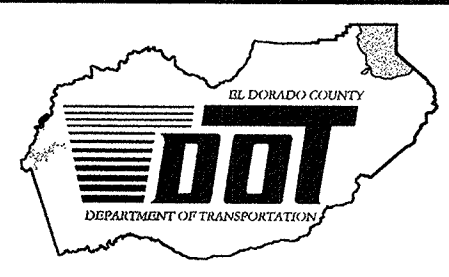


REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
REGISTERED CIVIL ENGINEER
DATE:

DESIGNED: RKWM
DRAWN: AEK
CHECKED: BV
DATE: MAR 2008
ROAD NUMBER: US 50



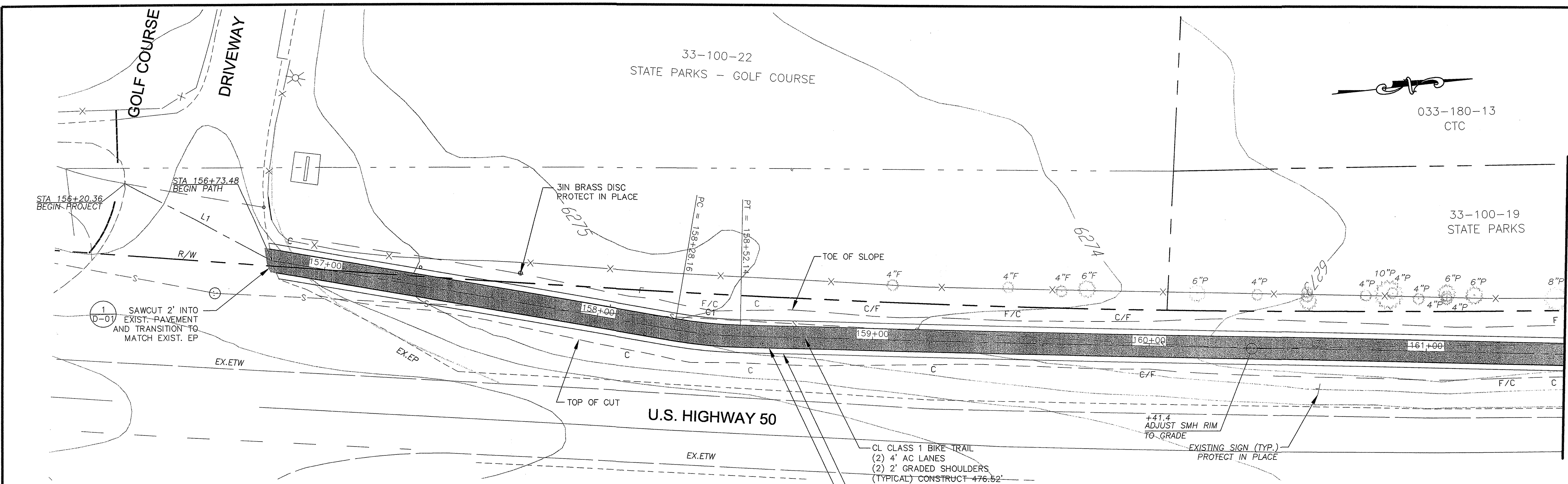
EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION
TAHOE ENGINEERING DIVISION

SAWMILL 1B BIKE PATH PROJECT
GENERAL NOTES AND TYPICAL SECTIONS

SHEET
T-03
3 OF 28
W.O. No. 95148

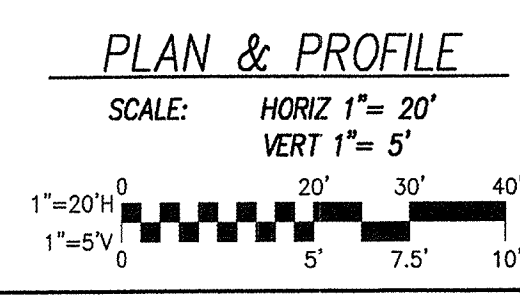
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DISTRICT	COUNTY	ROUTE	MILE POST TOTAL PROJECT
3	ED	50	72.1



MATCH LINE: STA 161+50.00
SEE SHEET P-02

!! 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.



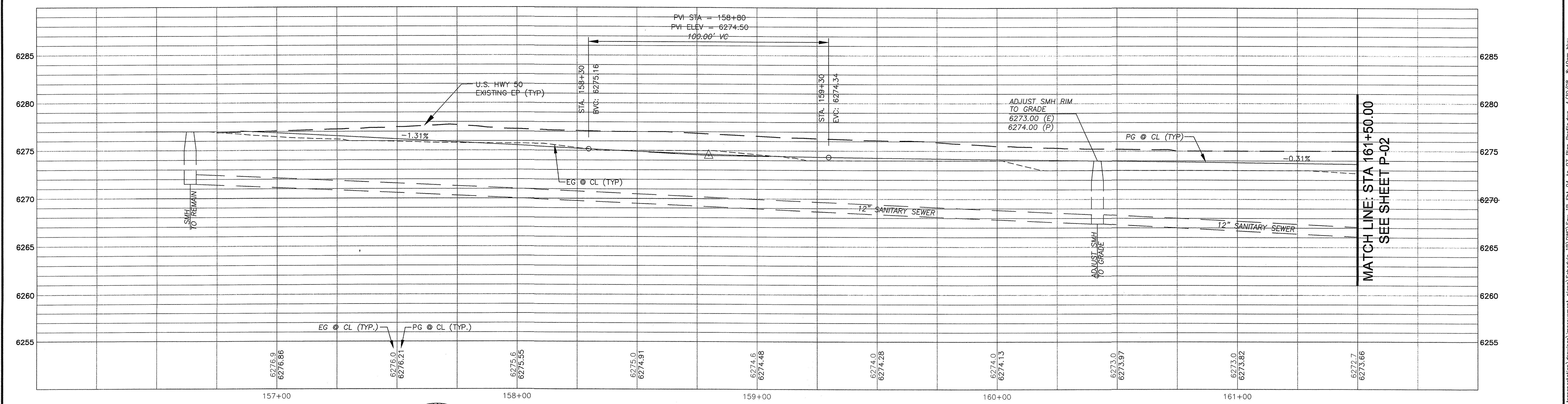
- NOTES:**
1. FOR SIGN AND STRIPING DETAILS SEE SHEET S-01.
 2. SEE ACCESS PLAN, SHEET EC-01 TO EC-03, FOR CONSTRUCTION ACCESS, TEMPORARY EROSION CONTROL, FENCING AND TREE PROTECTION IN THIS AREA.
 3. SEE REVEGETATION PLAN, SHEET R-01 TO R-02, FOR TREATMENT OF SIDE TRAILS, DISTURBED AREAS.

LINE TABLE

STATION	STATION	LINE	LENGTH	BEARING
156+20.36	156+73.48	L1	60.01	N34°07'23"E
156+73.48	158+28.16	L2	147.30	N16°13'21"E
158+52.14	163+04.69	L3	452.55	N07°38'06"E

CURVE TABLE

STATION	STATION	CURVE	RADIUS	DELTA	LENGTH	TANGENT
158+28.16	158+52.14	C1	160.00	08°35'14"	23.98	12.01



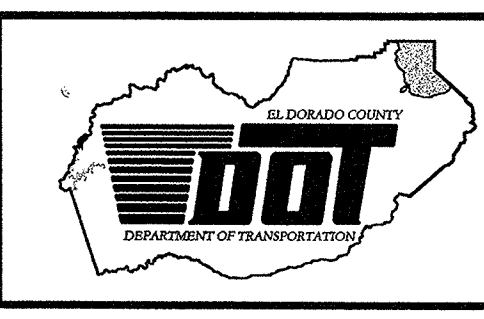
MATCH LINE: STA 161+50.00
SEE SHEET P-02

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
J. M. BLUM
REGISTERED CIVIL ENGINEER
DATE:

DESIGNED: JHM
DRAWN: BLG
CHECKED: DATE: MAR 2008
ROAD NUMBER: US 50



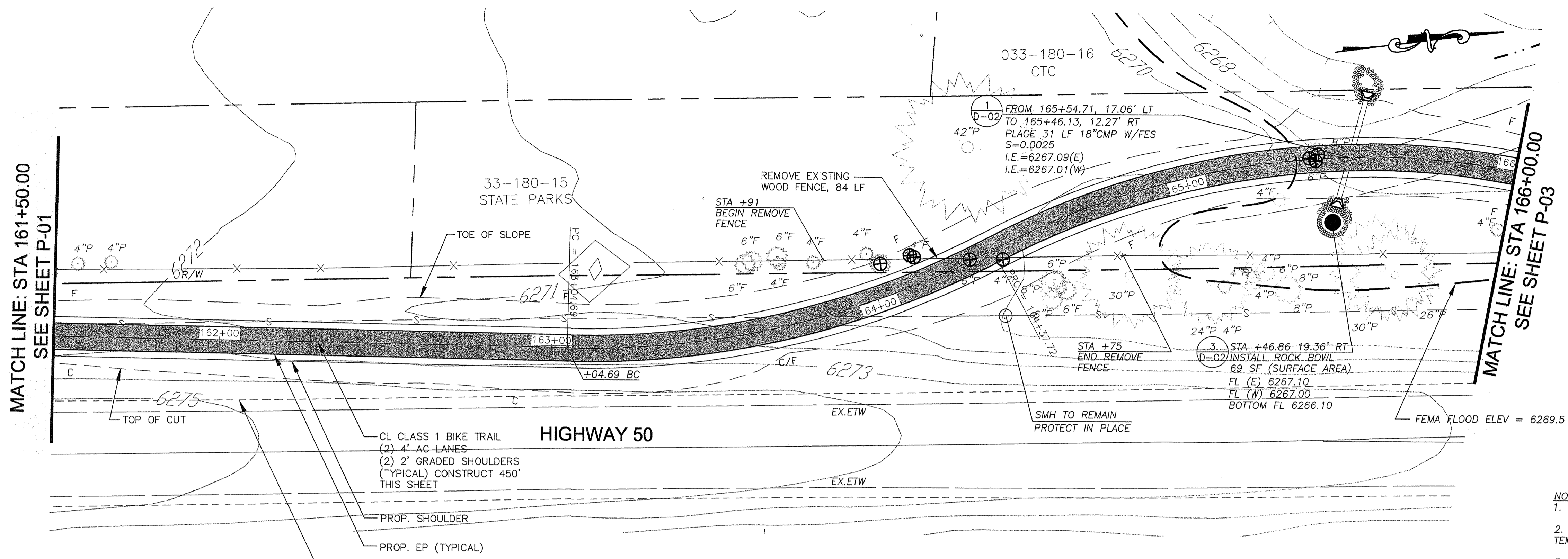
EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION
TAHOE ENGINEERING DIVISION

SAWMILL 1B BIKE PATH PROJECT
PLAN AND PROFILE
STA 155+00 TO 161+50

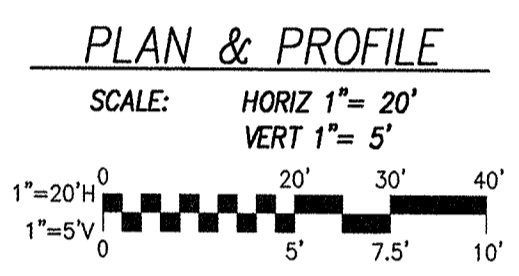
SHEET
P-01
4 OF 28
W.O. No. **95148**

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DISTRICT	COUNTY	ROUTE	MILE POST TOTAL PROJECT
3	ED	50	72.1



!! 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.



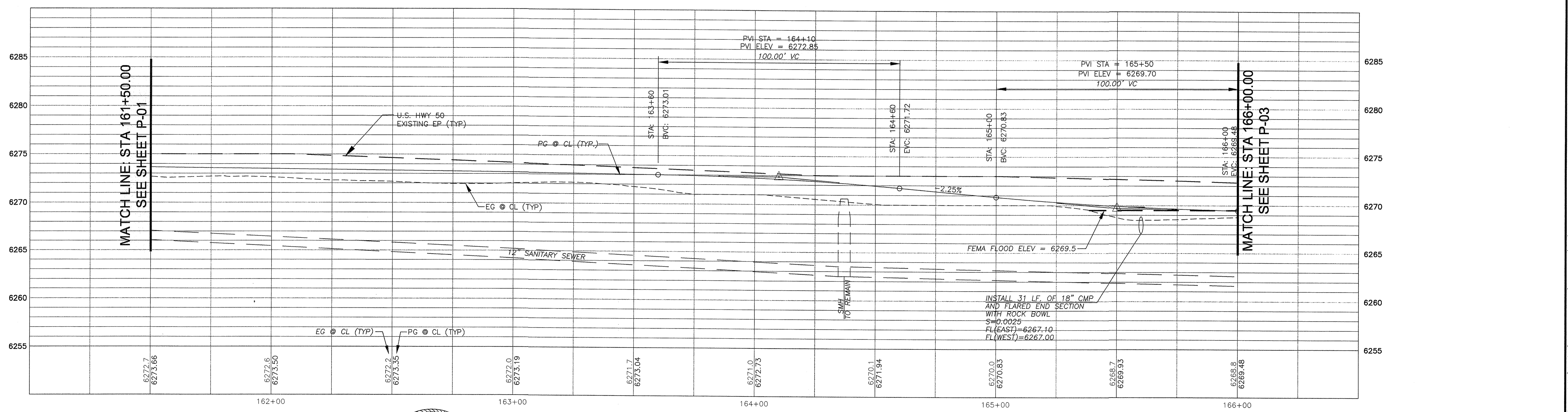
- NOTES:**
- FOR SIGN AND STRIPING DETAILS SEE SHEET S-01.
 - SEE ACCESS PLAN, SHEET EC-01 TO EC-03, FOR CONSTRUCTION ACCESS, TEMPORARY EROSION CONTROL, FENCING AND TREE PROTECTION IN THIS AREA.
 - SEE REVEGETATION PLAN, SHEET R-01 TO R-02, FOR TREATMENT OF SIDE TRAILS, DISTURBED AREAS.
 - NUMBER OF TREES TO BE REMOVED THIS SHEET: 8

LINE TABLE

STATION	STATION	LINE	LENGTH	BEARING
158+52.14	163+04.69	L3	452.55	N07°38'06"E

CURVE TABLE

STATION	STATION	CURVE	RADIUS	DELTA	LENGTH	TANGENT
163+04.69	164+37.72	C2	260.00	29°18'59"	133.03	68.01
164+37.72	166+57.86	C3	240.00	52°33'14"	220.14	118.50



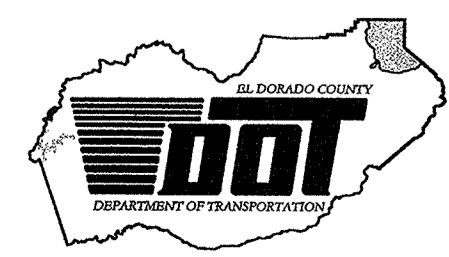
REVISION

NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
 REGISTERED CIVIL ENGINEER
 DATE:

DESIGNED: JHM
 DRAWN: BLG
 CHECKED: DATE: MAR 2008
 ROAD NUMBER: US 50



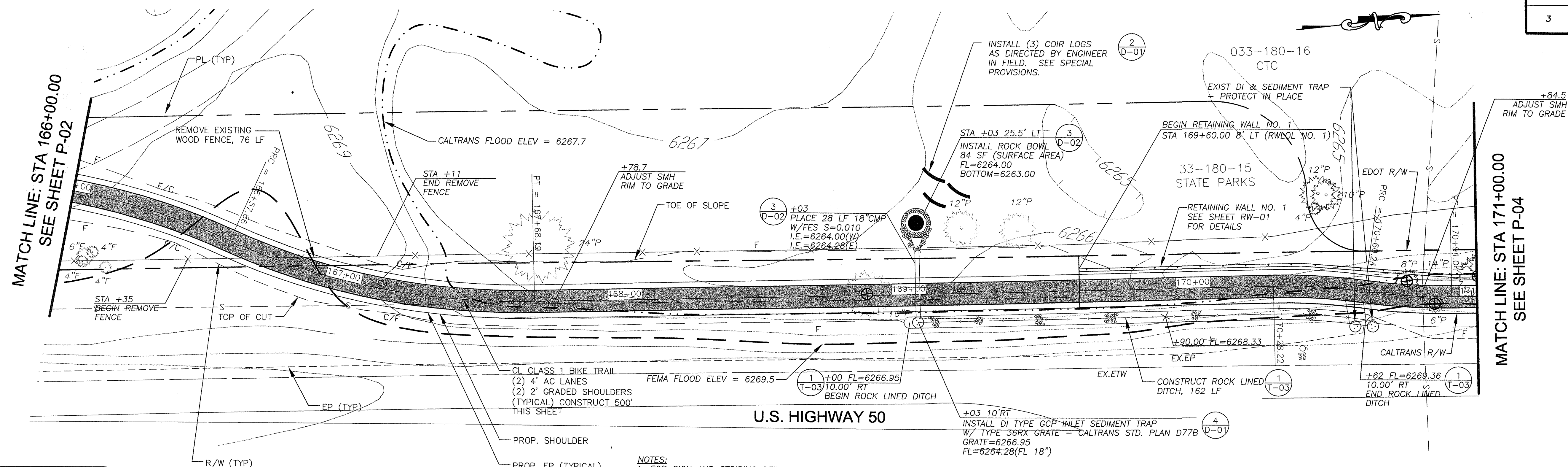
EL DORADO COUNTY
 DEPARTMENT OF TRANSPORTATION
 TAHOE ENGINEERING DIVISION

SAWMILL 1B BIKE PATH PROJECT
 PLAN AND PROFILE
 STA 161+50 TO 166+00

SHEET
P-02
 5 OF 28
 W.O. No. **95148**

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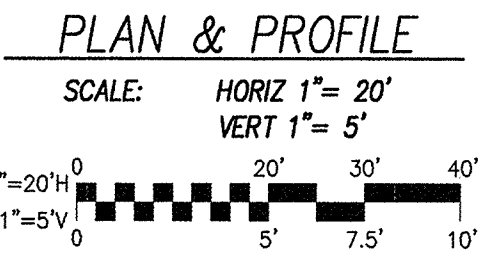
DISTRICT	COUNTY	ROUTE	MILE POST TOTAL PROJECT
3	ED	50	72.1



MATCH LINE: STA 166+00.00
SEE SHEET P-02

MATCH LINE: STA 171+00.00
SEE SHEET P-04

!! 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.



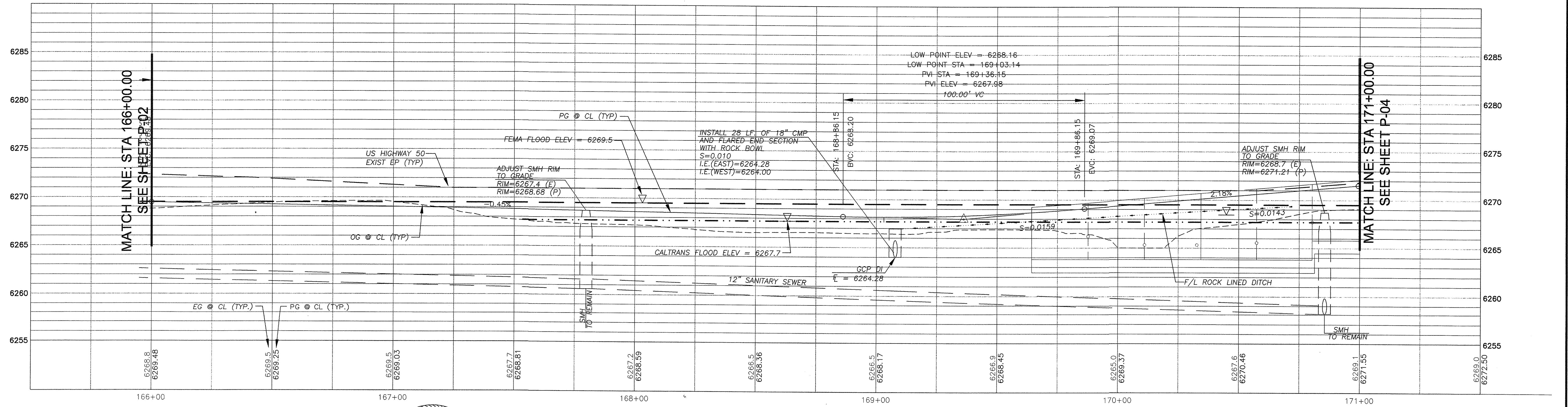
- NOTES:**
- FOR SIGN AND STRIPING DETAILS SEE SHEET S-01.
 - SEE ACCESS PLAN, SHEET EC-01 TO EC-03, FOR CONSTRUCTION ACCESS, TEMPORARY EROSION CONTROL, FENCING AND TREE PROTECTION IN THIS AREA.
 - SEE REVEGETATION PLAN, SHEET R-01 TO R-02, FOR TREATMENT OF SIDE TRAILS, DISTURBED AREAS.
 - NUMBER OF TREES TO BE REMOVED THIS SHEET: 3

LINE TABLE

STATION	STATION	LINE	LENGTH	BEARING
167+68.19	170+28.22	L4	260.03	N05°00'36"E

CURVE TABLE

STATION	STATION	CURVE	RADIUS	DELTA	LENGTH	TANGENT
164+37.72	166+57.86	C3	240.00	52°33'14"	220.14	118.50
166+57.86	167+68.19	C4	240.00	26°20'26"	110.34	56.16
170+28.22	170+60.24	C5	200.00	09°10'23"	32.02	16.04
170+60.24	170+91.04	C6	200.00	08°49'24"	30.80	15.43



MATCH LINE: STA 166+00.00
SEE SHEET P-02

MATCH LINE: STA 171+00.00
SEE SHEET P-04

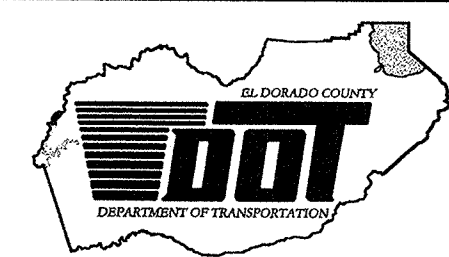
REVISION

NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
REGISTERED CIVIL ENGINEER
DATE: _____

DESIGNED: JHM
DRAWN: BLG
CHECKED: DATE: MAR 2008
ROAD NUMBER: US 50



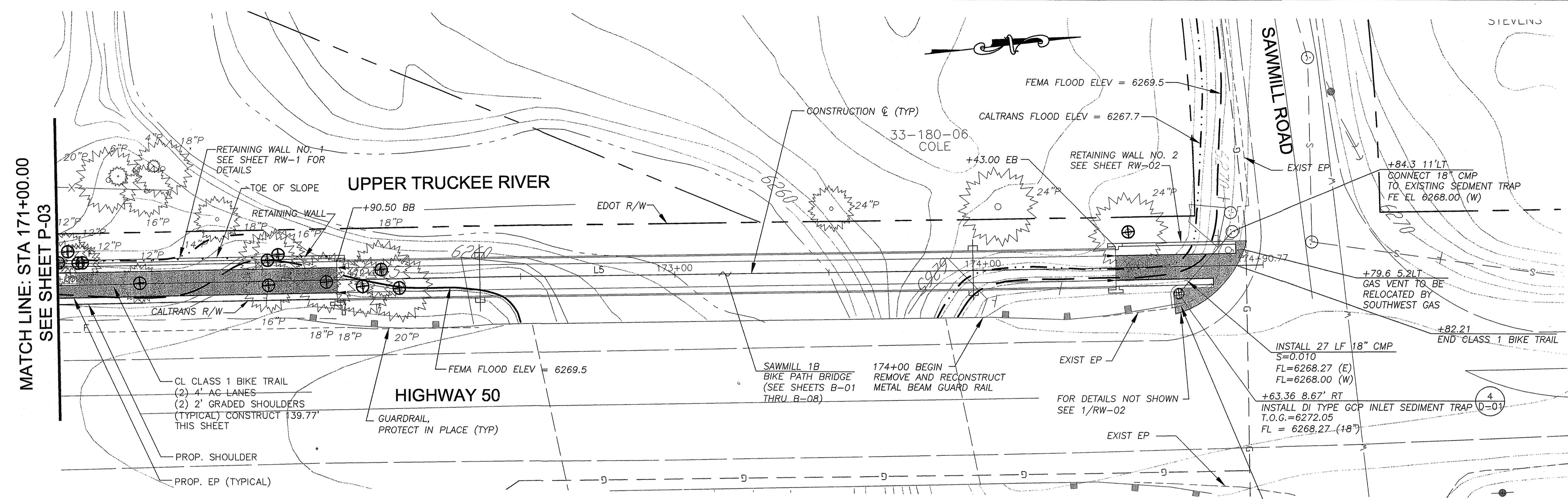
EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION
TAHOE ENGINEERING DIVISION

SAWMILL 1B BIKE PATH PROJECT
PLAN AND PROFILE
STA 166+00 TO 171+00

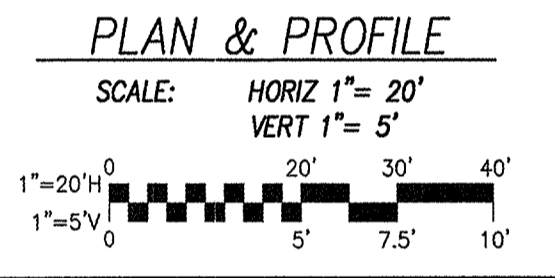
SHEET
P-03
6 OF 28
W.O. No. 95148

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DISTRICT	COUNTY	ROUTE	MILE POST TOTAL PROJECT
3	ED	50	72.1



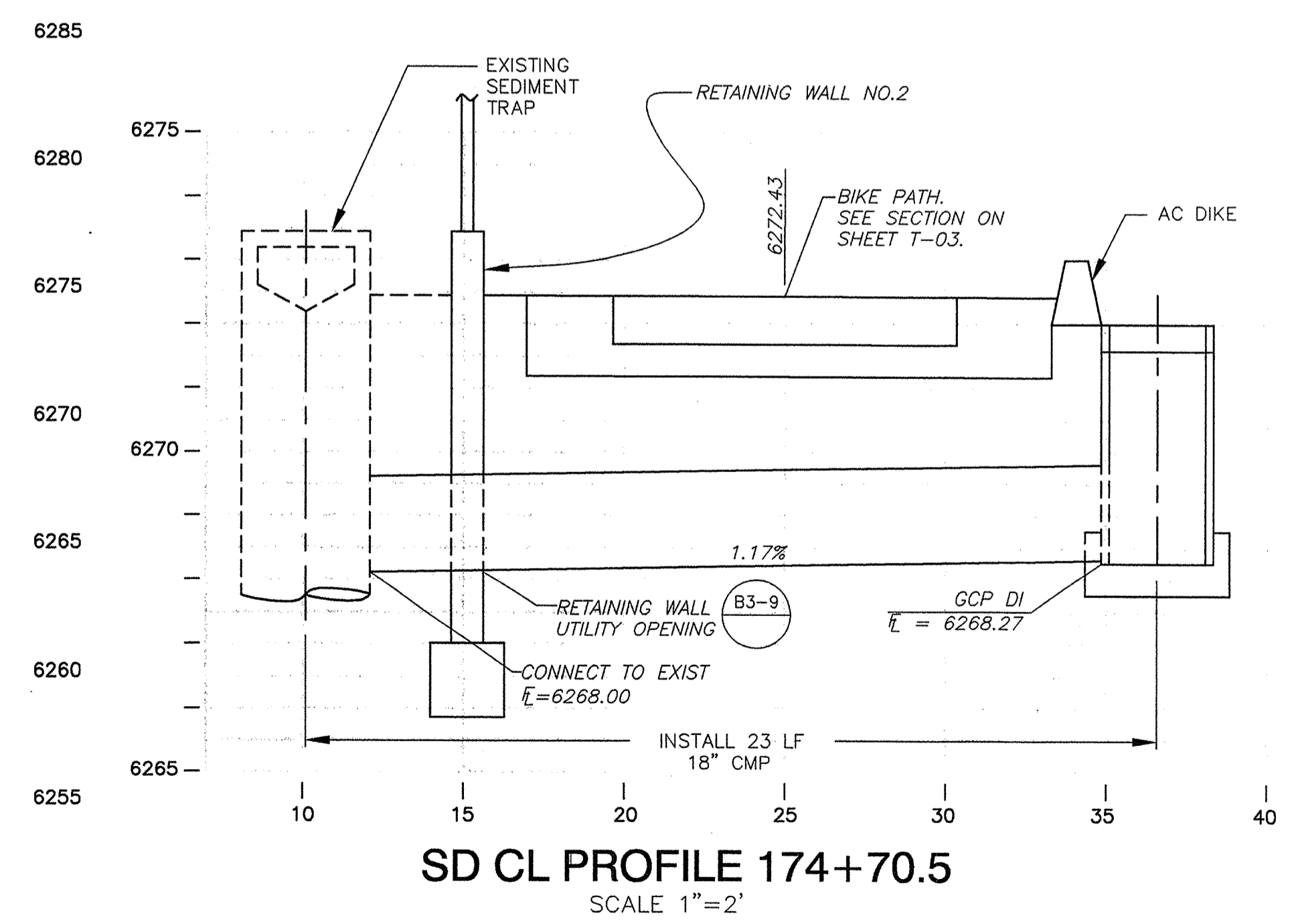
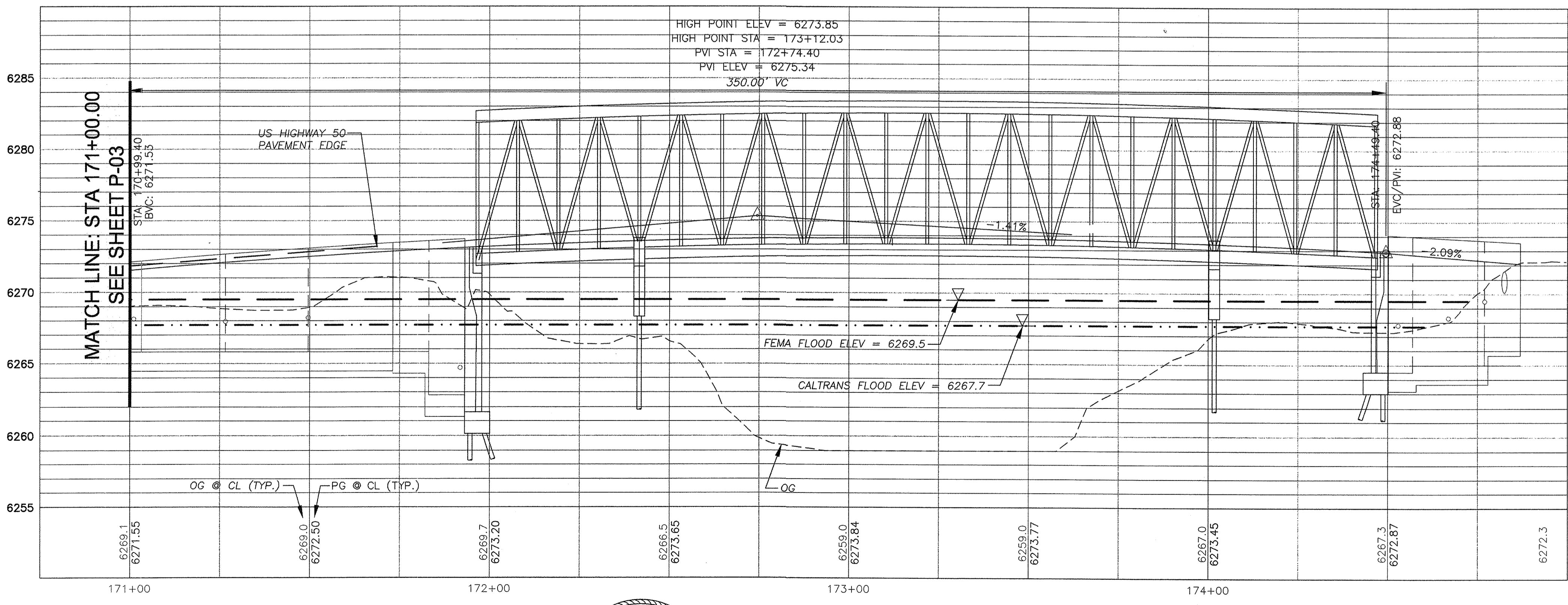
!! WARNING !!
 THE LOCATION AND/OR ELEVATION OF EXISTING UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE ONLY APPROXIMATE. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF ALL EXISTING UNDERGROUND UTILITIES.



- NOTES:**
- FOR SIGN AND STRIPING DETAILS SEE SHEET S-01.
 - SEE ACCESS PLAN, SHEET EC-01 TO EC-03, FOR CONSTRUCTION ACCESS, TEMPORARY EROSION CONTROL, FENCING AND TREE PROTECTION IN THIS AREA.
 - SEE REVEGETATION PLAN, SHEET R-01 TO R-02, FOR TREATMENT OF SIDE TRAILS, DISTURBED AREAS.
 - NUMBER OF TREES TO BE REMOVED THIS SHEET: 13

LINE TABLE

STATION	STATION	LINE	LENGTH	BEARING
170+91.04	174+90.77	L5	399.73	N05°21'35"E

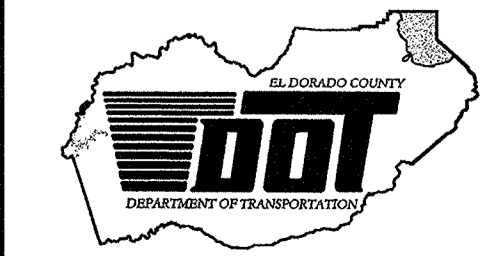


REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
 REGISTERED CIVIL ENGINEER
 DATE:

DESIGNED: JHM
 DRAWN: BLG
 CHECKED: DATE: MAR 2008
 ROAD NUMBER: US 50



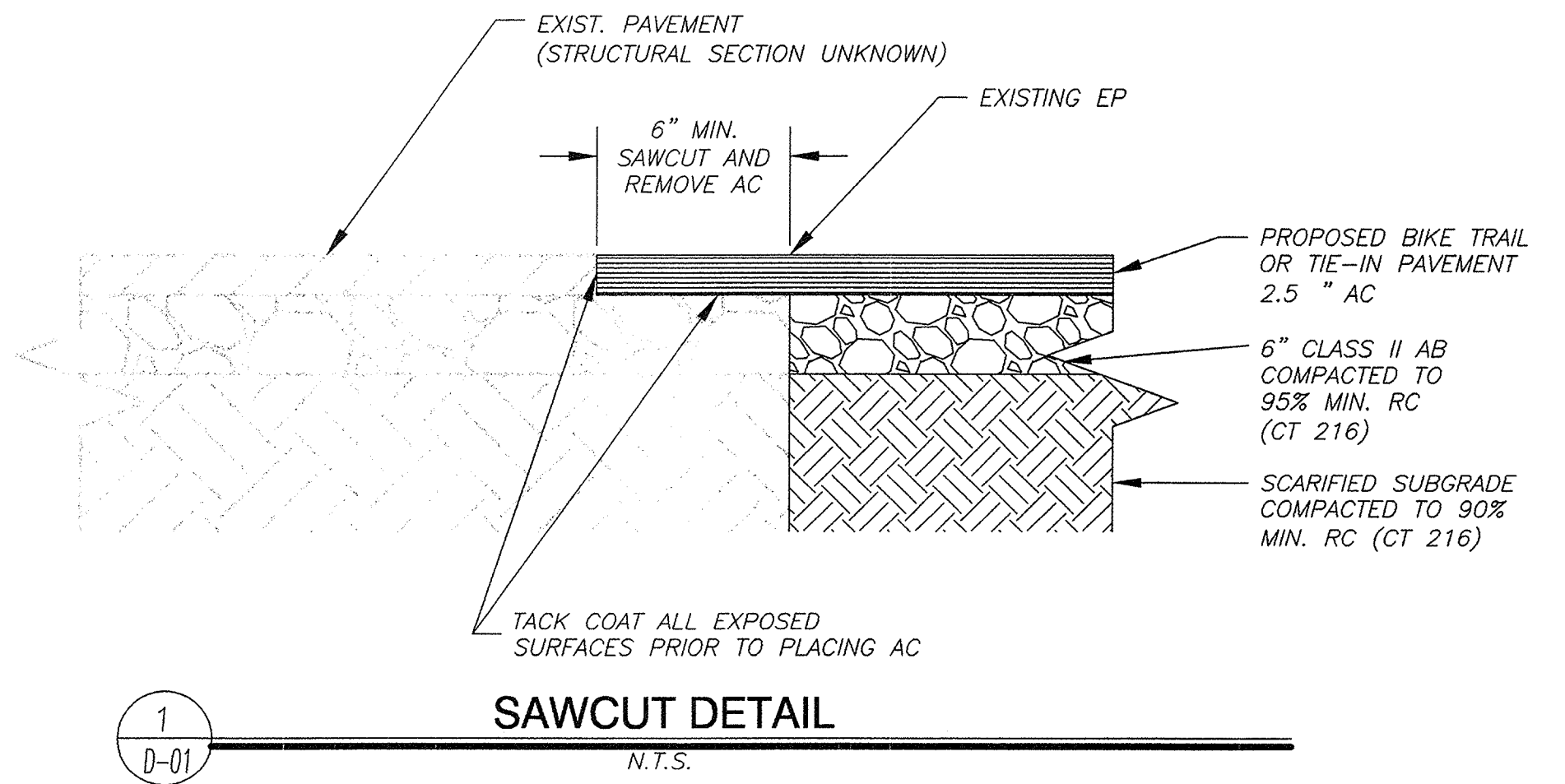
EL DORADO COUNTY
 DEPARTMENT OF TRANSPORTATION
 TAHOE ENGINEERING DIVISION

SAWMILL 1B BIKE PATH PROJECT
 PLAN AND PROFILE
 STA 171+00 TO 174+74.69

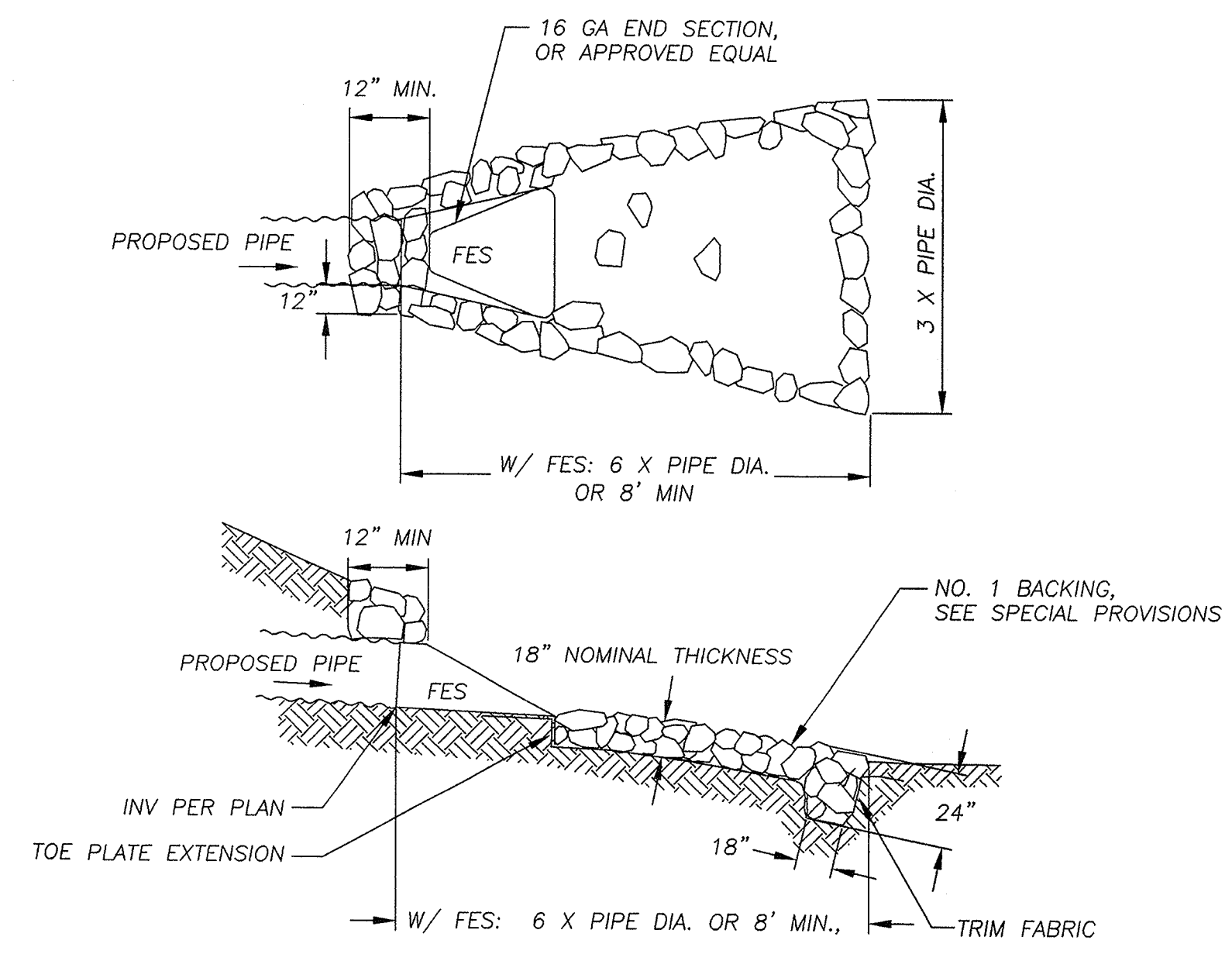
SHEET
P-04
 7 OF 28
 W.O. No. 95148

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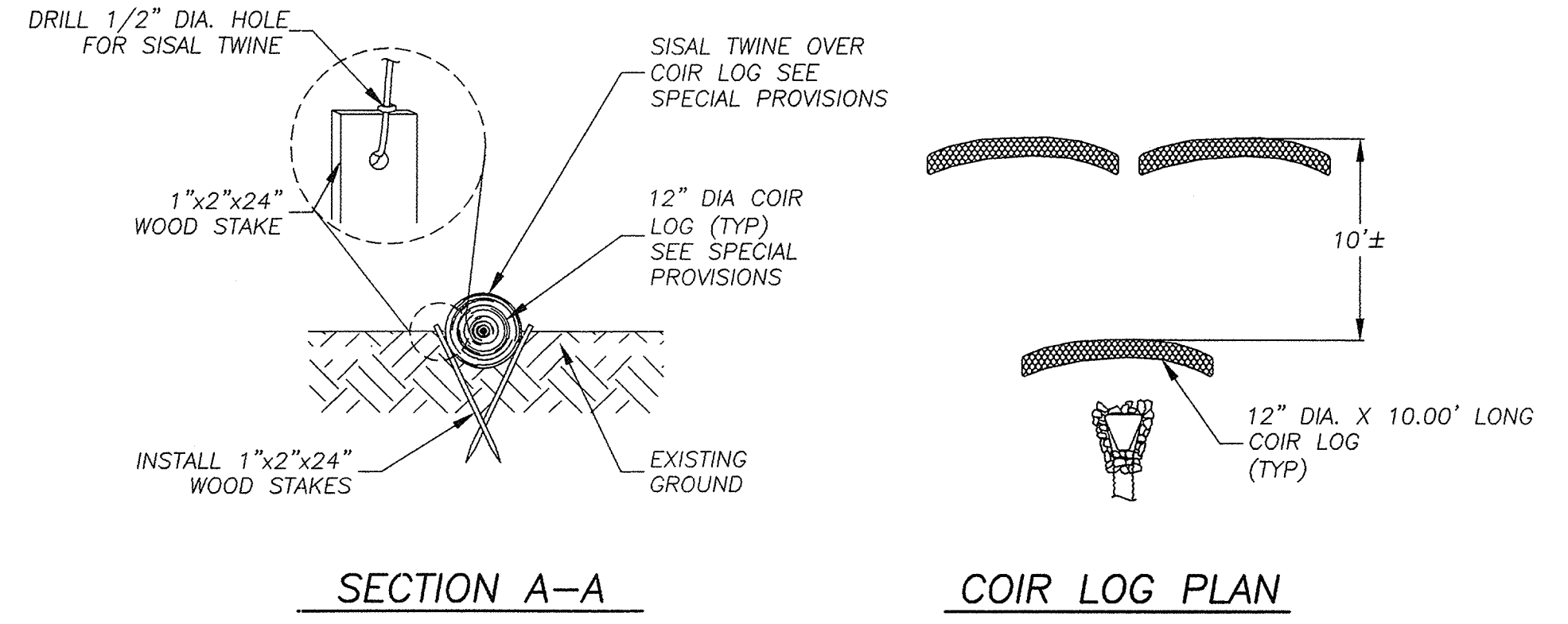
DISTRICT	COUNTY	ROUTE	MILE POST TOTAL PROJECT
3	ED	50	72.1



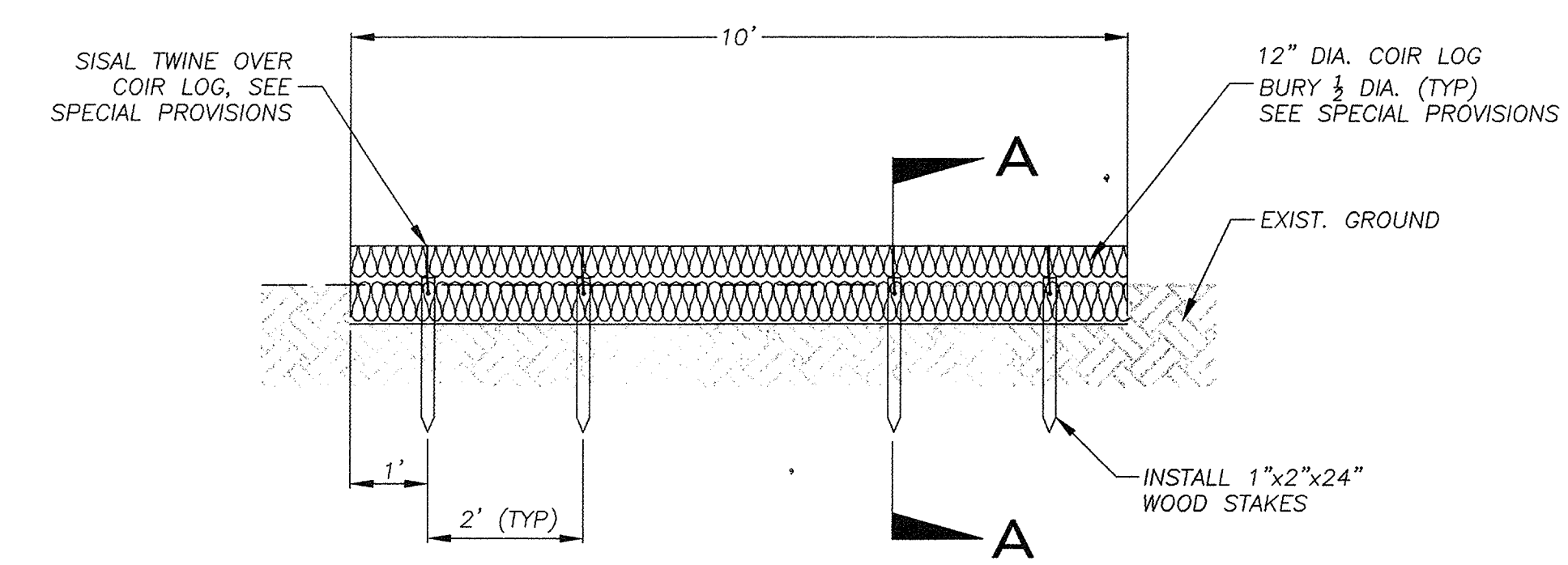
1
D-01
SAWCUT DETAIL
N.T.S.



3
D-01
FLARED END SECTION AND ROCK DISSIPATOR
N.T.S.



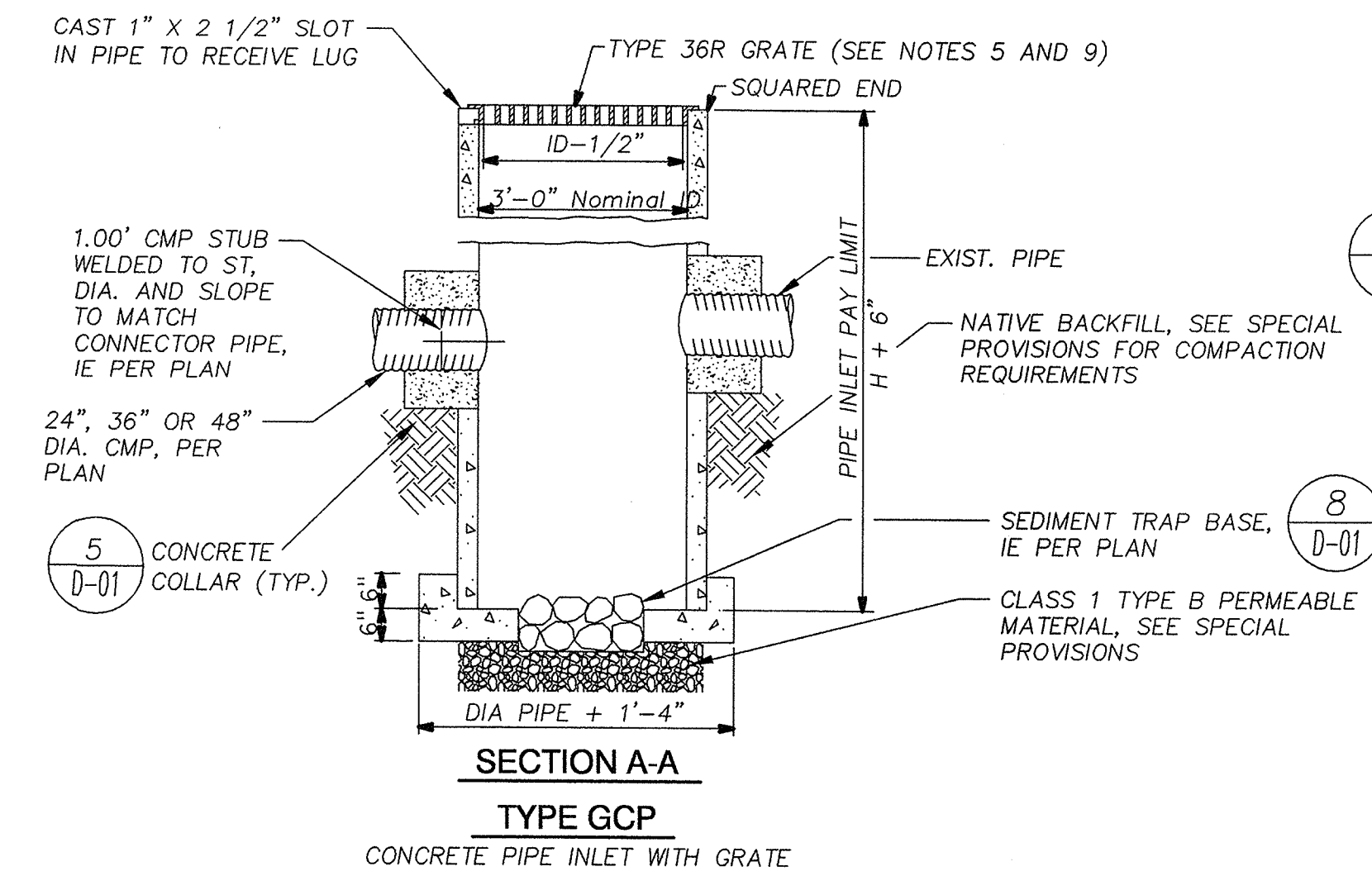
SECTION A-A
COIR LOG PLAN



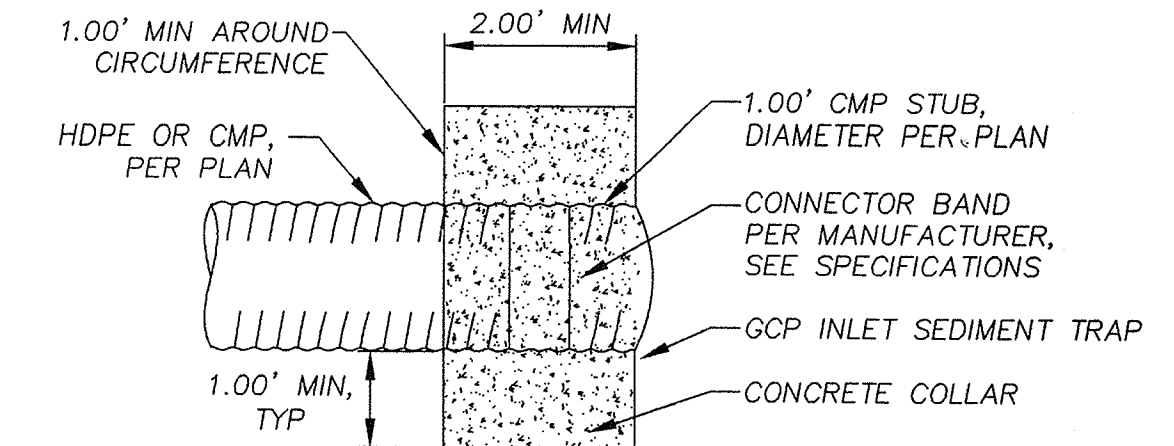
COIR LOG PROFILE

- NOTES:
1. PLACEMENT OF COIR LOGS IS SUBJECT TO EXISTING CONDITIONS. FINAL LOCATIONS TO BE DETERMINED BY THE ENGINEER IN THE FIELD.
 2. SEE SPECIAL PROVISIONS FOR SPECIFICATIONS REGARDING COIR LOG MATERIAL REQUIREMENTS.

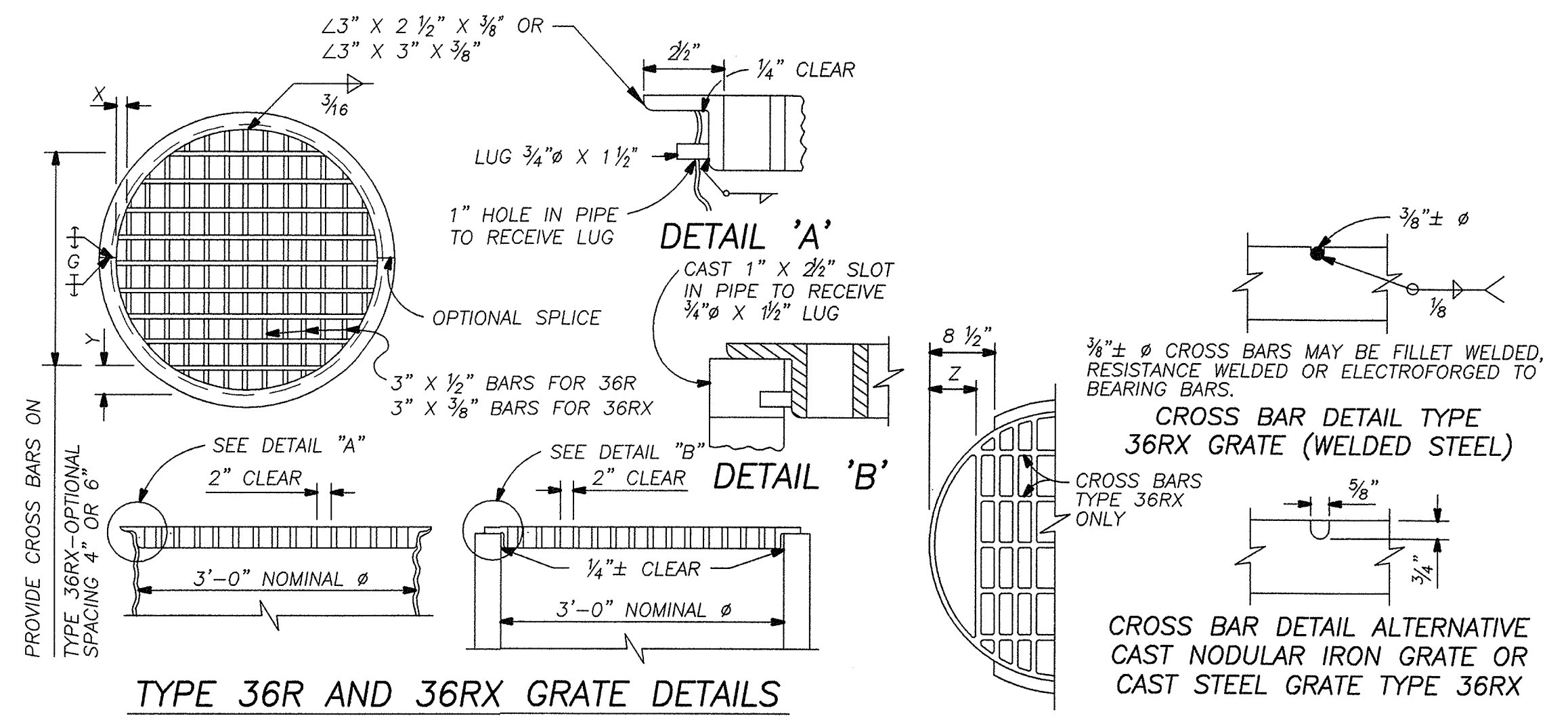
2
D-01
COIR LOG
N.T.S.



4
D-01
GCP INLET SEDIMENT TRAP
N.T.S.



5
D-01
CONCRETE COLLAR
N.T.S.



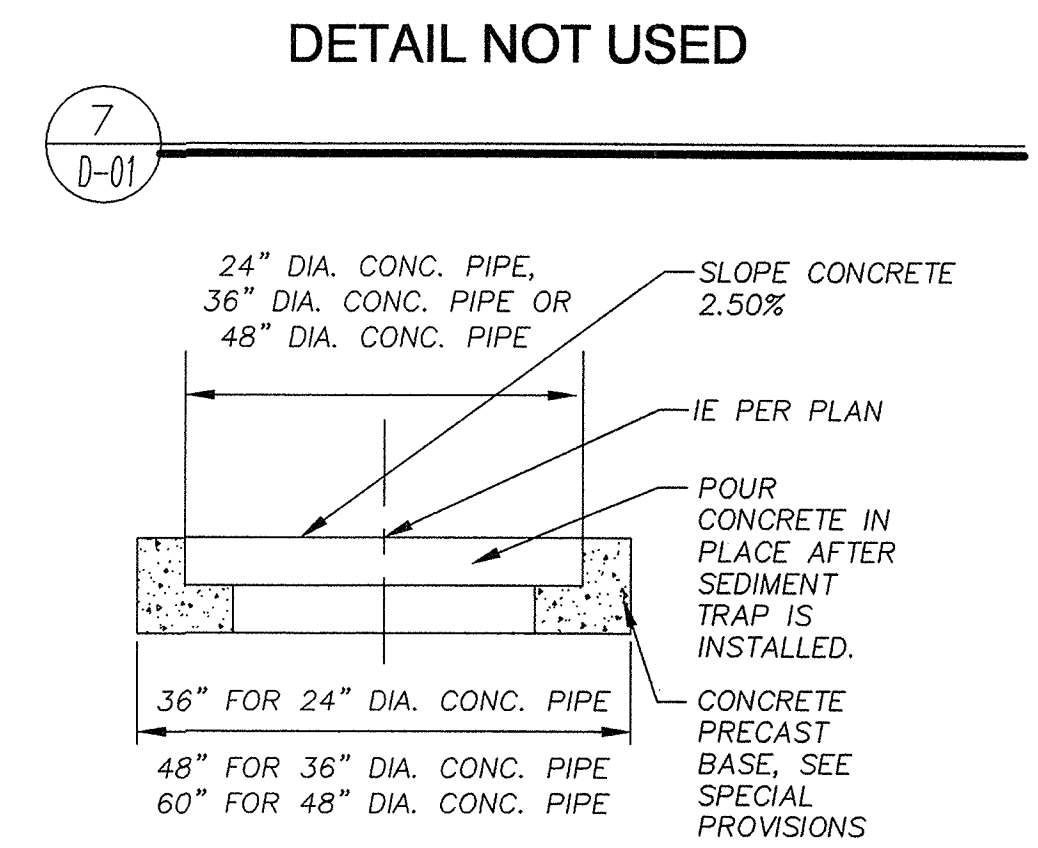
TYPE 36R AND 36RX GRATE DETAILS

GRATE BAR SPACING TABLE

TYPE	No. OF BARS	CLEAR BAR SPACING	Y			Z
			X	4\"/>		
36R	13	2\"/>				
36RX (Steel)	15	2\"/>				
36RX (Cast)	13	2\"/>				
36R Mod	12	2\"/>				
36RX Mod (Steel)	13	2\"/>				
36RX Mod (Cast)	12	2\"/>				

- NOTES:
1. WHEN ALTERNATIVE GRATES ARE ALLOWED - FINAL PAY BASED ON ALTERNATIVE WITH THE LESSER WEIGHT.
 2. SEAL WELDING AT ALL SURFACES NOT REQUIRED WHEN GRATES ARE GALVANIZED.
 3. USE FRAME SHOWN ON STANDARD PLAN D74A, D74B OR D77A AS APPROPRIATE.
 4. WHEN TYPE 24-10S, 24-12X OR 24-13 GRATES ARE USED WITH GDO INLETS, A 1/4\"/>

6
D-01
BICYCLE PROOF GRATE DETAILS
N.T.S.



- NOTES:
1. SEE SPECIAL PROVISIONS FOR CONCRETE SPECIFICATIONS.
 2. SEE SPECIAL PROVISIONS FOR SUBGRADE COMPACTION REQUIREMENTS.

8
D-01
SEDIMENT TRAP BASE
N.T.S.

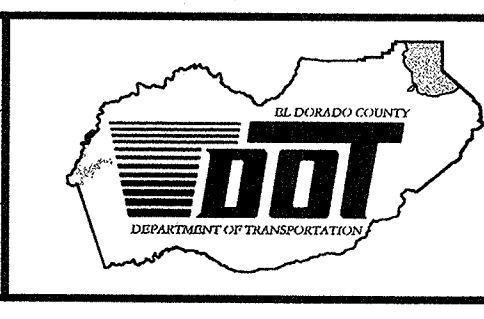
NOTE:
ALL SYSTEM SHOULD CONFORM TO STANDARD PLANS UNLESS OTHERWISE SHOWN. STANDARD PLAN D75B FOR CONCRETE PIPE INLET, D77B FOR GRATES AND D94A AND D94B FOR FLARED END SECTION.

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
REGISTERED CIVIL ENGINEER
DATE:

DESIGNED: RKWM
DRAWN: AEK
CHECKED: BV
DATE: MAR 2008
ROAD NUMBER: US 50



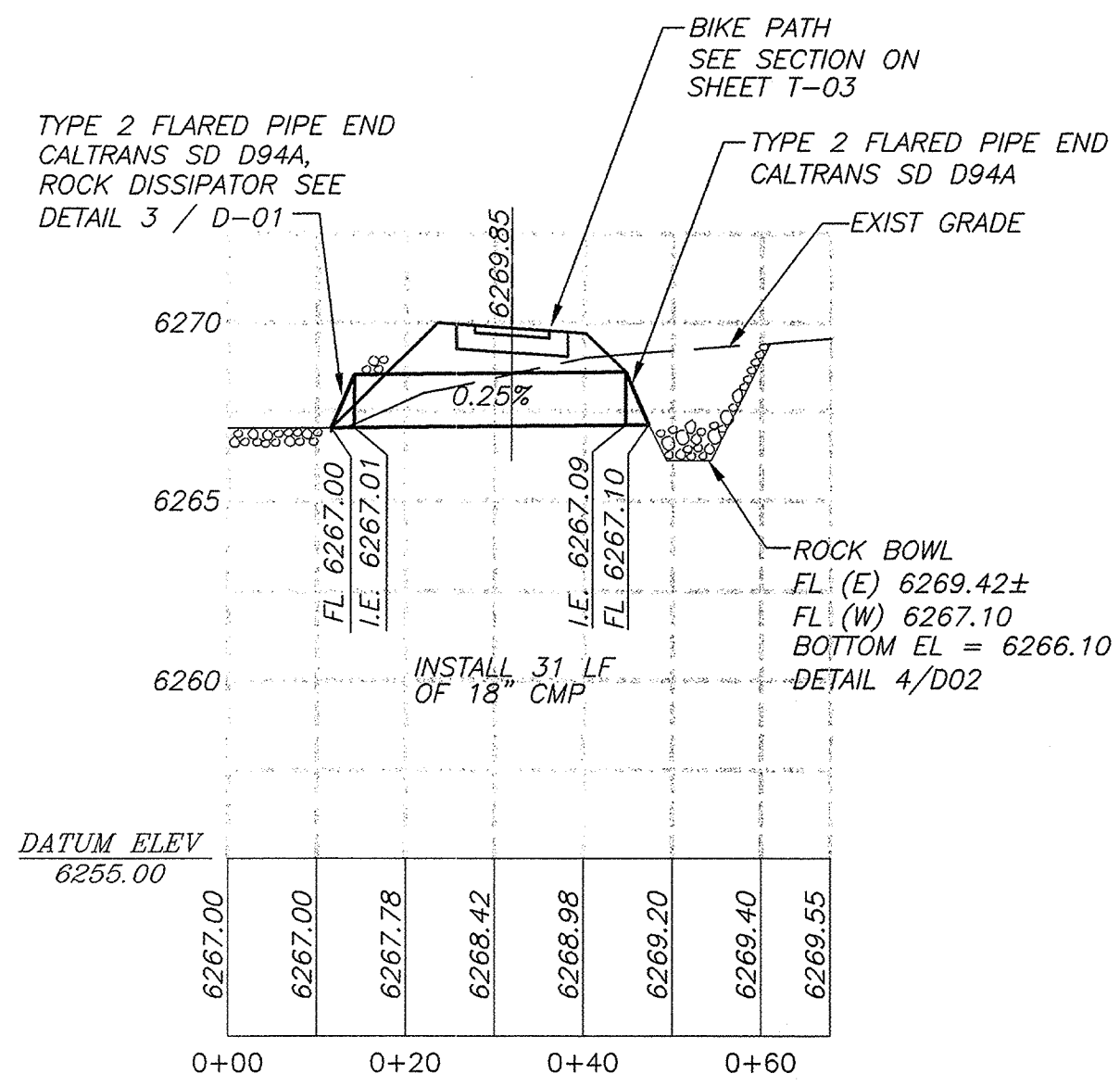
EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION
TAHOE ENGINEERING DIVISION

SAWMILL 1B BIKE PATH PROJECT
DETAIL SHEET

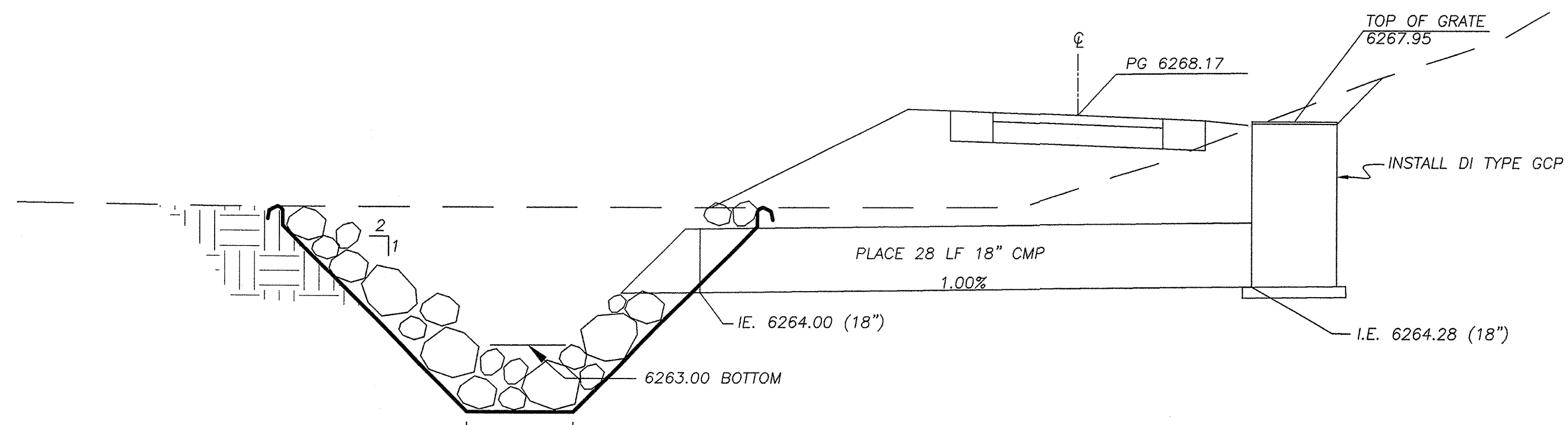
SHEET
D-01
8 OF 28
W.O. No. **95148**

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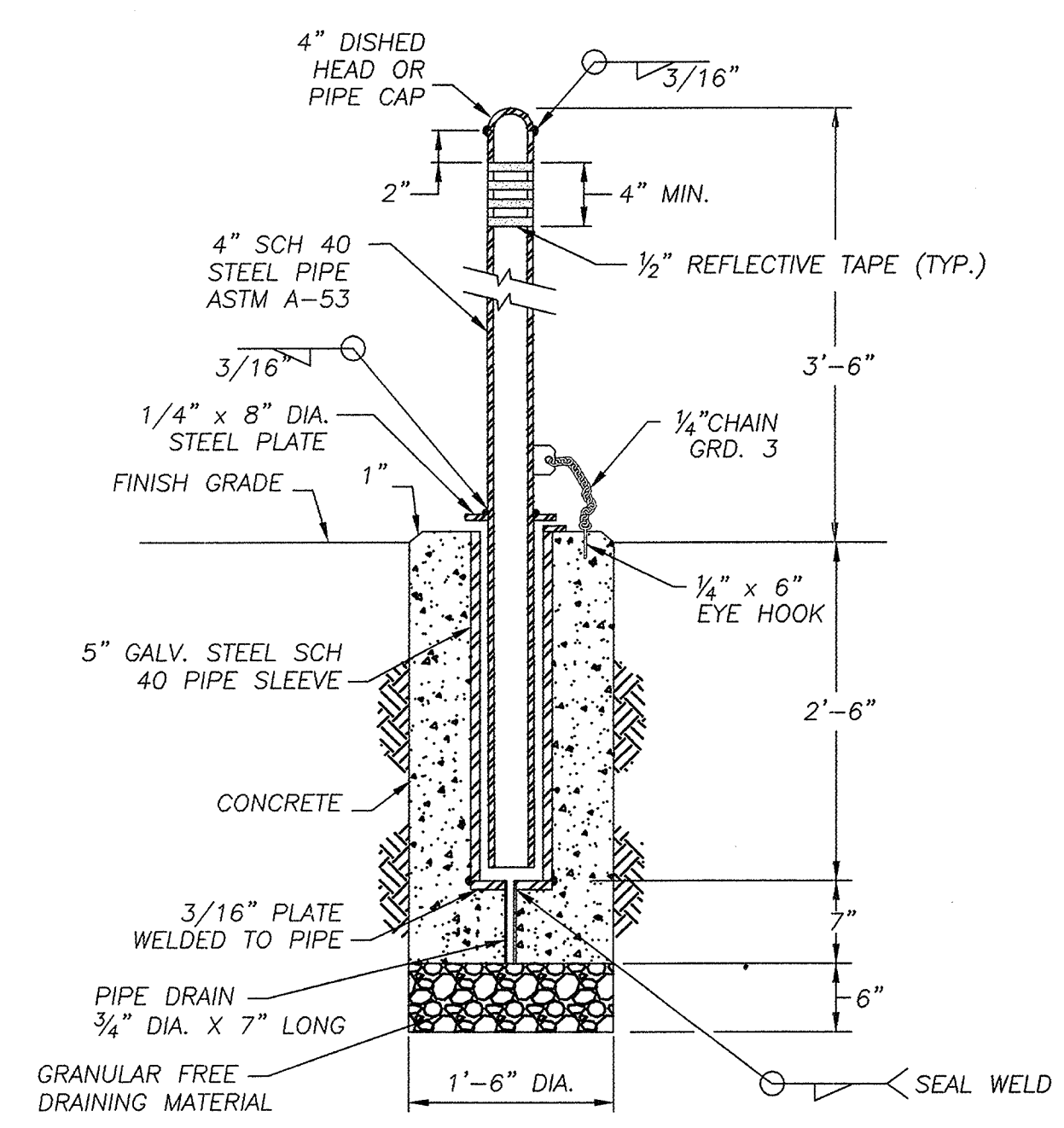
DISTRICT	COUNTY	ROUTE	MILE POST TOTAL PROJECT
3	ED	50	72.1



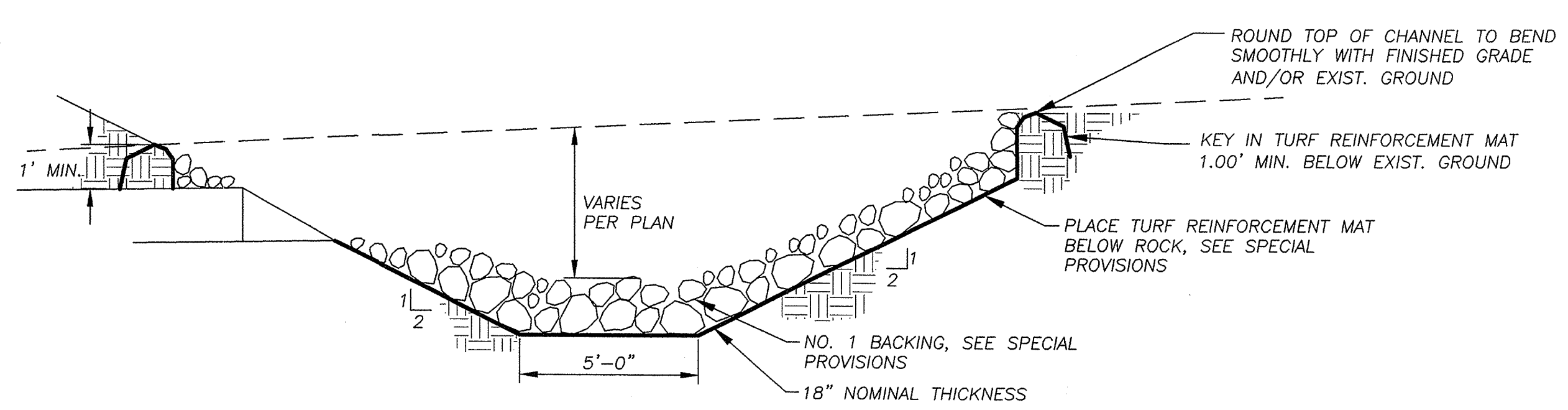
1
D-02
SC CL PROFILE @ 165+50
N.T.S.



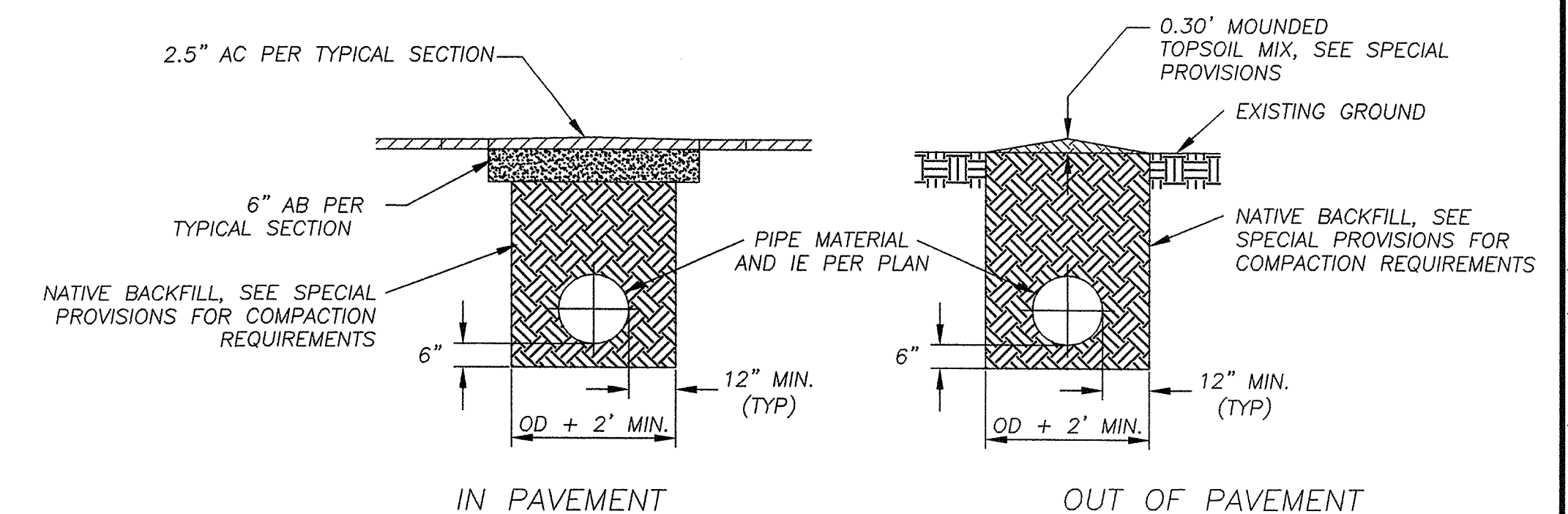
3
D-02
SD CL PROFILE @ 169+03
N.T.S.



2
D-02
REMOVABLE BOLLARD DETAIL
N.T.S.



4
D-02
ROCK BOWL DETAIL
N.T.S.



5
D-02
PIPE TRENCH DETAIL
N.T.S.

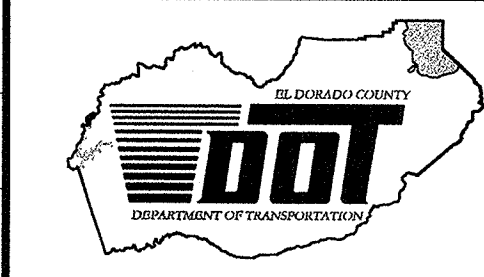
REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

REGISTERED CIVIL ENGINEER
DATE:

DESIGNED: RKYM
DRAWN: AEK
CHECKED: BV
DATE: MAR 2008
ROAD NUMBER: US 50



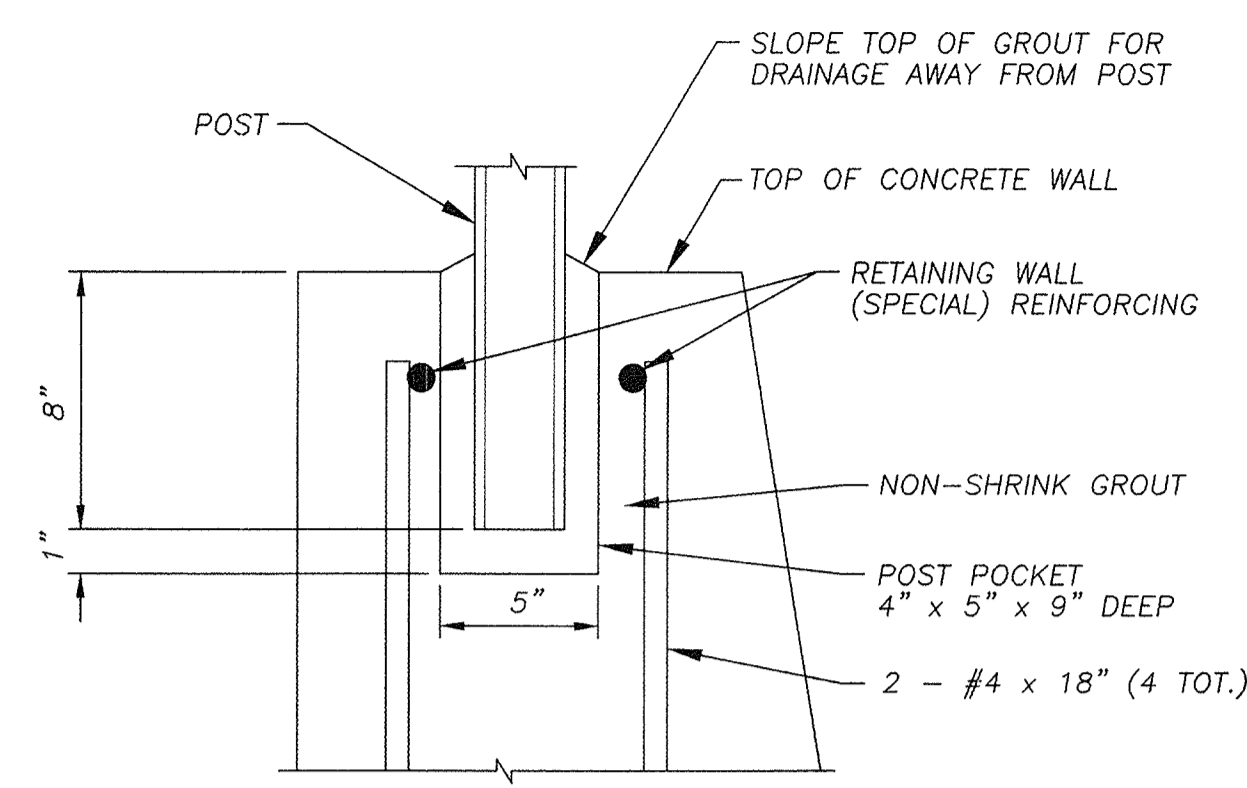
EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION
TAHOE ENGINEERING DIVISION

SAWMILL 1B BIKE PATH PROJECT
DETAIL SHEET

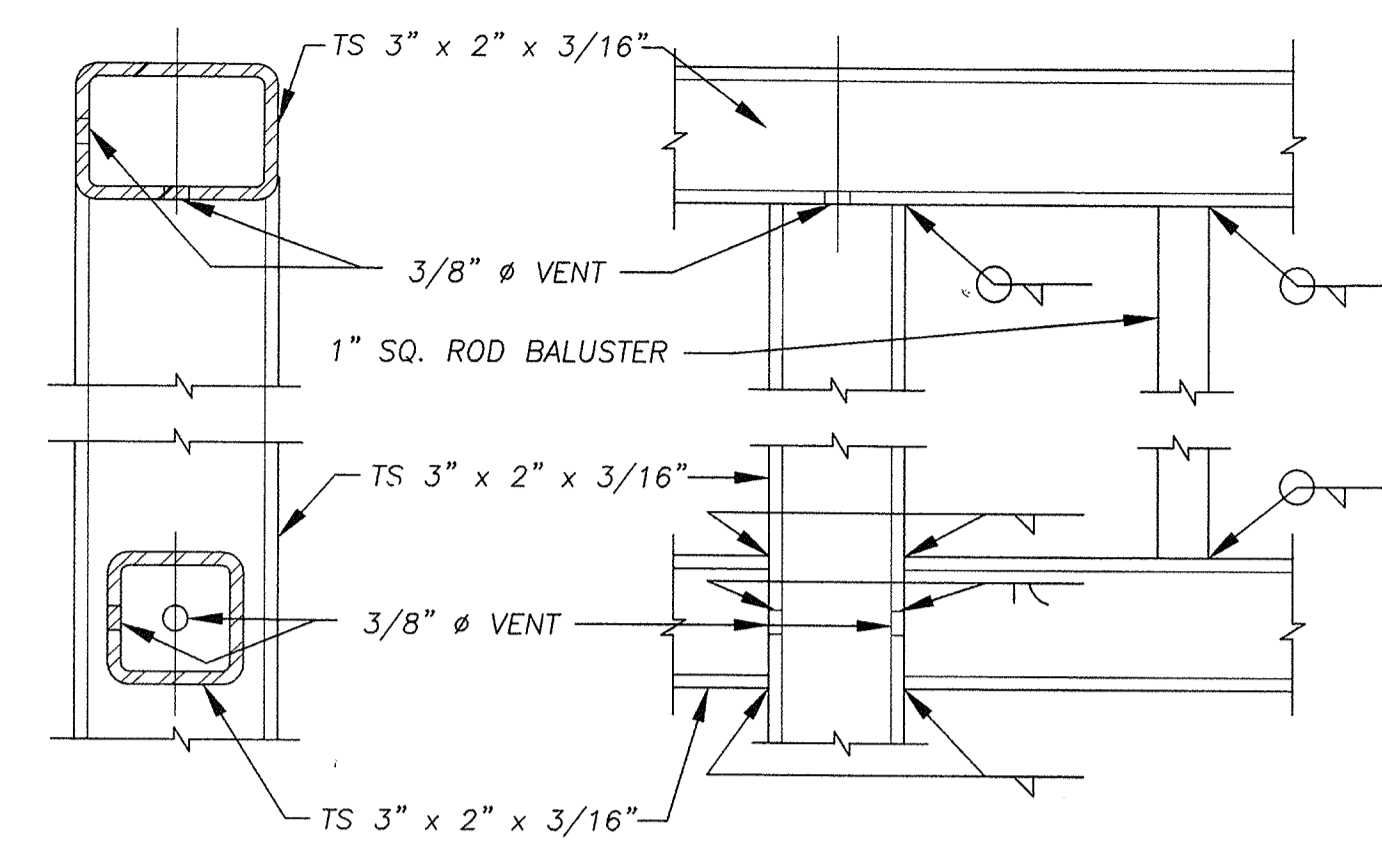
SHEET
D-02
9 OF 28
W.O. No. **95148**

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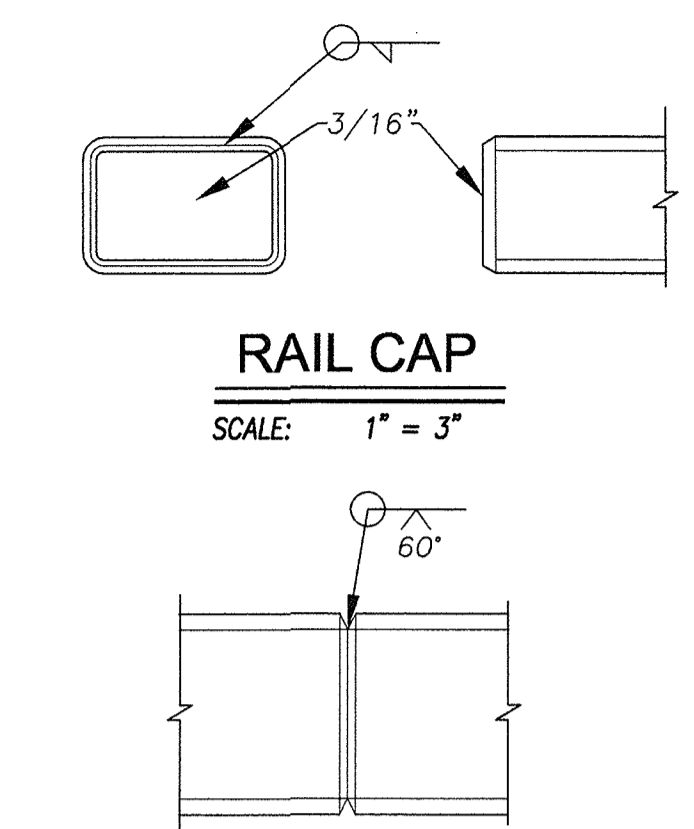
DISTRICT	COUNTY	ROUTE	MILE POST TOTAL PROJECT
3	ED	50	72.1



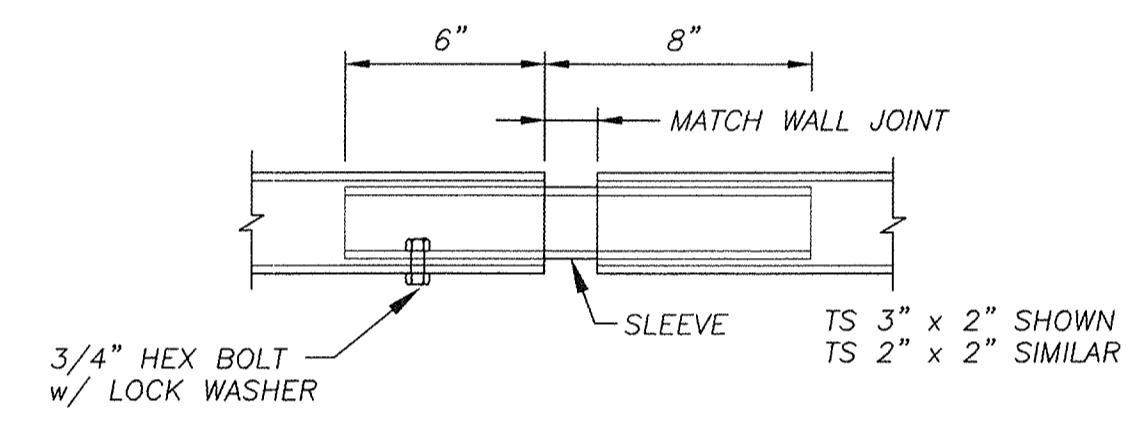
1
D-03
TYPICAL POST POCKET
SCALE: 1" = 6"



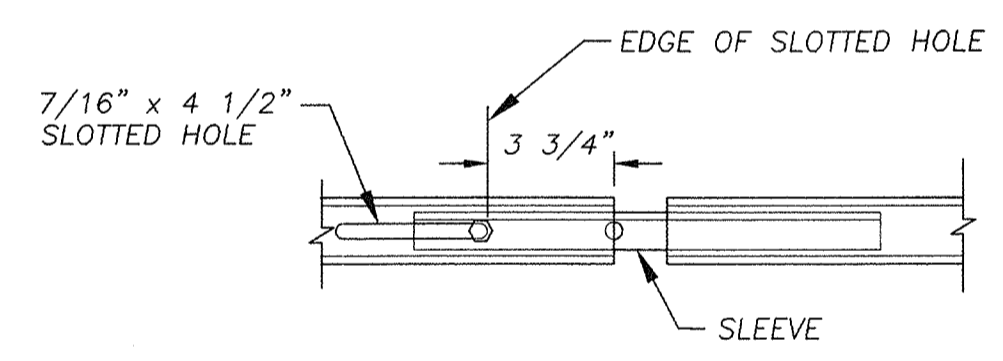
RAIL CONNECTION DETAIL
SCALE: 1" = 3"



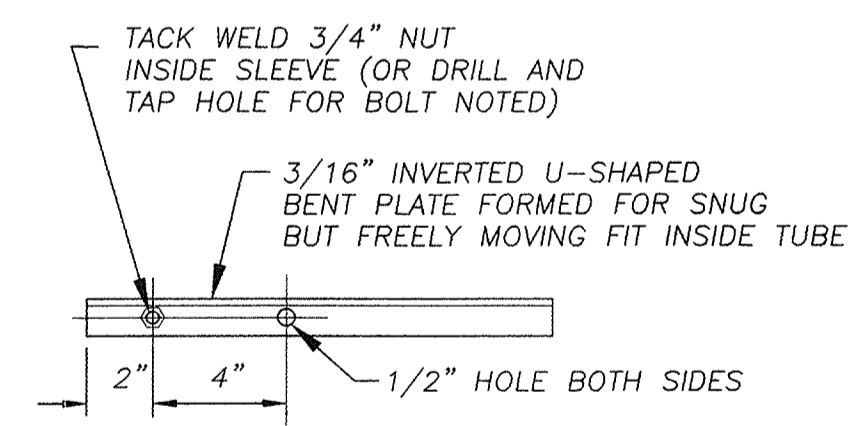
TUBE SPLICE DETAIL - WELDED
SCALE: 1" = 3"



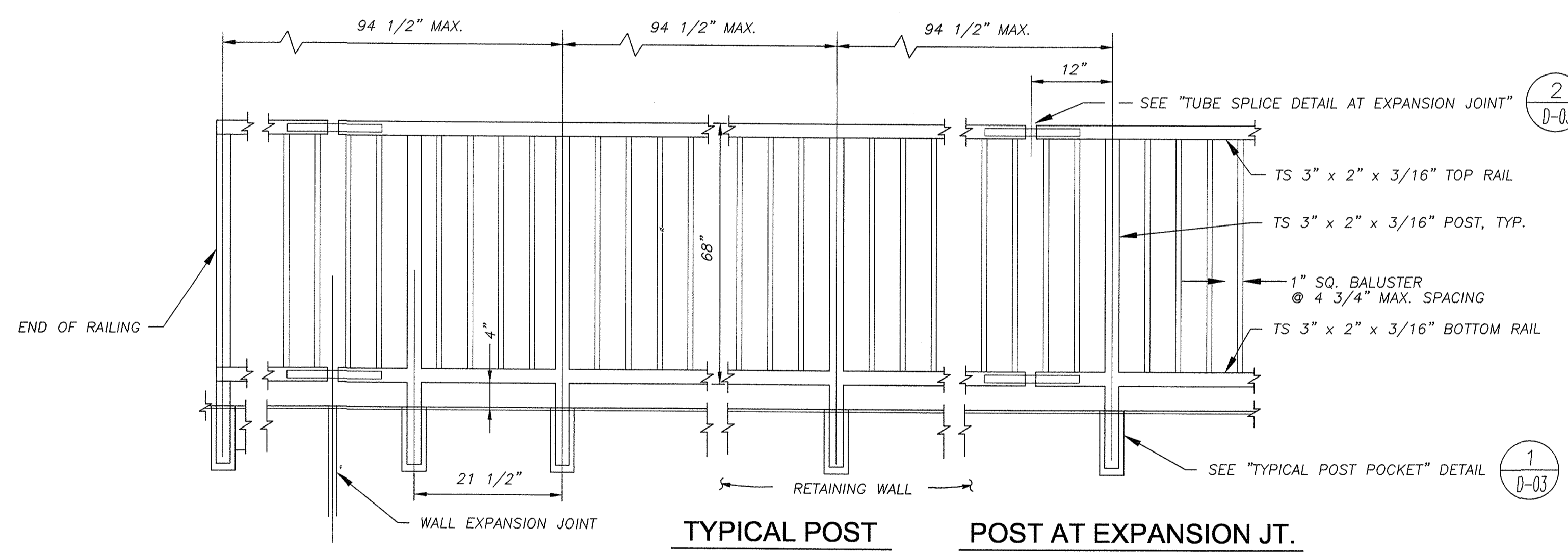
PLAN



ELEVATION



2
D-03
TUBE SPLICE DETAIL AT EXPANSION JOINT
SCALE: 1" = 6"

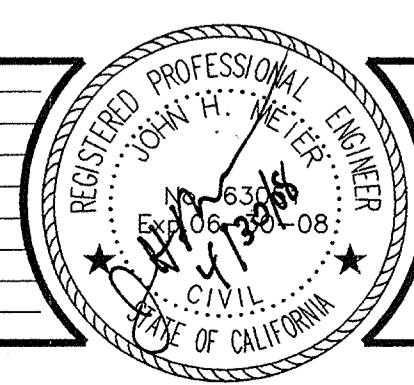


TYPICAL POST POST AT EXPANSION JT.
TUBLAR STEEL FENCE- ELEVATION
SCALE: NOT TO SCALE

- NOTES:
1. ALL HORIZONTAL RAILING DIMENSIONS MEASURED ALONG RAILING.
 2. RAILINGS SHALL BE CONSTRUCTED SO THAT NO OBJECT LARGER THAN A 4" SPHERE CAN PASS THROUGH ANY PORTION OF THE RAILING.
 3. POSTS AND PICKETS SHALL BE VERTICAL.
 4. POST CAP SHALL BE POSITIVELY ATTACHED TO POSTS.
 5. ALL WELDS ON THE RAILING SHALL BE GROUND SMOOTH.
 6. TOP TUBE SHALL BE CONTINUOUS OVER NOT LESS THAN TWO POSTS.
 7. PAINT ALL STEEL RAILING COMPONENTS.
 8. ALL WELDS SHALL BE A MINIMUM OF 3/16" THICK.
 9. TUBE SPLICE EXPANSION JOINT @ 47' MAX SPACING.

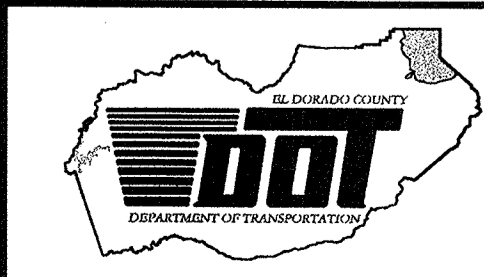
THIS PLAN IS ACCURATE FOR FENCE ONLY

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
REGISTERED CIVIL ENGINEER
DATE:

DESIGNED: JHM
DRAWN: BLG
CHECKED: DATE: MAR 2008
ROAD NUMBER: US 50



EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION
TAHOE ENGINEERING DIVISION

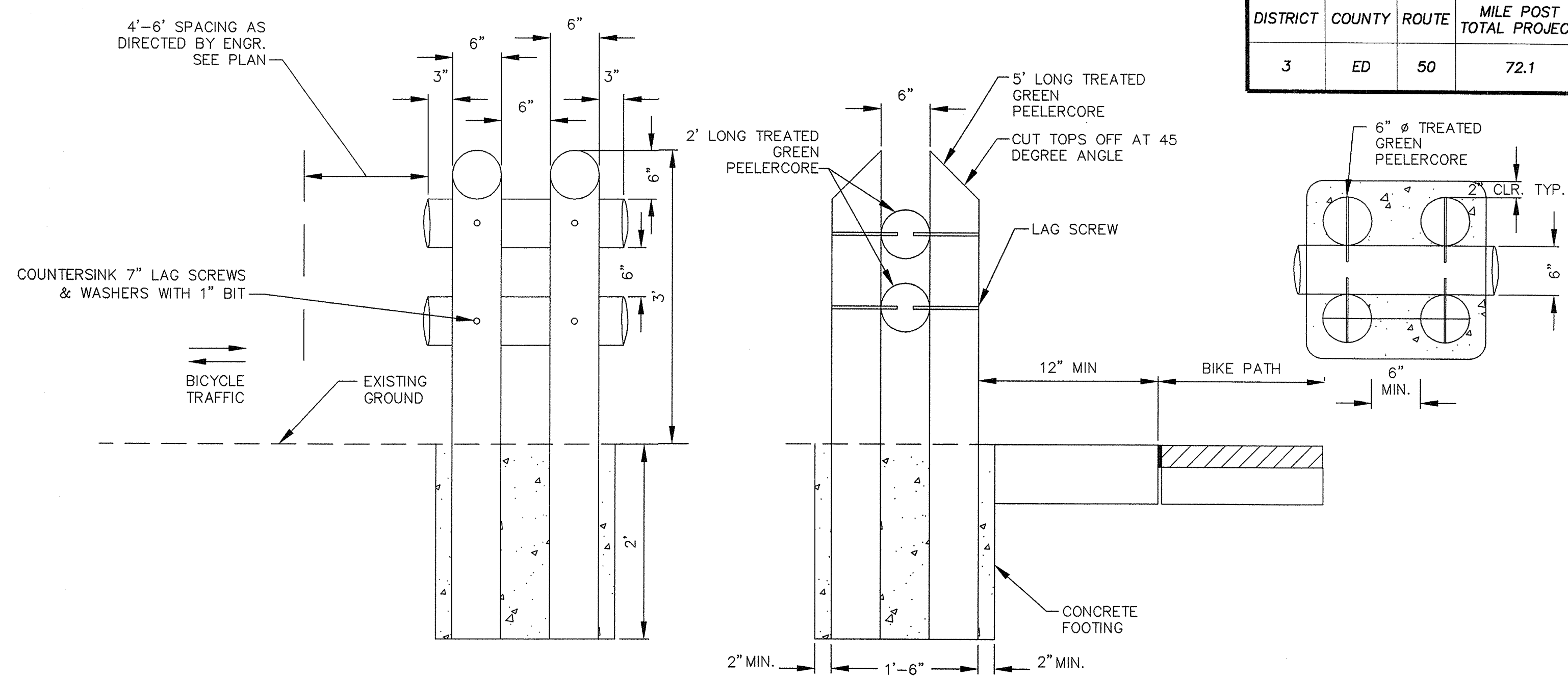
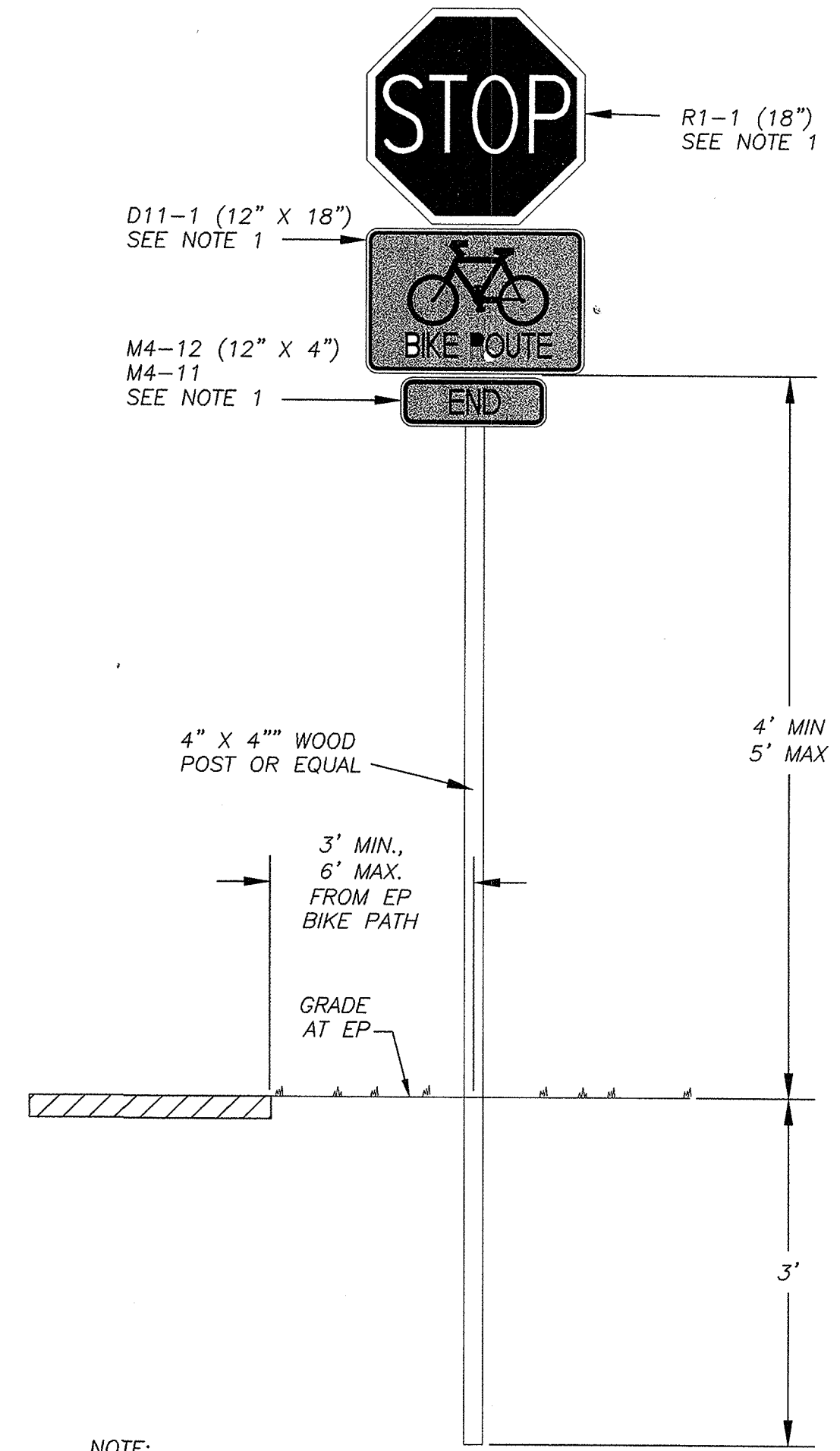
SAWMILL 1B BIKE PATH PROJECT
TUBULAR STEEL FENCE

SHEET
D-03
10 OF 28
W.O. No. 95148

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DISTRICT	COUNTY	ROUTE	MILE POST TOTAL PROJECT
3	ED	50	72.1

DETAIL NOT USED



4 S-01 BOLLARD BARRIER DETAIL N.T.S.

TABLE A

STATION	OFFSET	FACING	DESCRIPTION
156+44.80	45.00'LT	E/B	(D11-1), (M7-5)
157+10.00	7.50' LT	S/B	(R1-1-18")
157+10.00	7.50' RT	N/B	(R44A)
157+82.77	7.50' LT	S/B	(W3-1-18")
163+21.90	11.30'RT	S/B	(W11-1), (W16-2A) 650' FROM END OF BIKE PATH
171+95.25	9.00' RT	N/B	(W3-1-18"), 290FT (W16-2A)
173+07.60	600.00'LT	E/B	(W11-1), 630FT (W16-2A)
174+78.73	100.00'LT	E/B	(D11-1), (M7-1)
174+71.30	7.50' RT	N/B	(R1-1-18"), (D11-1), (M4-12)
174+82.30	7.50' LT	S/B	(R44A), (M4-11)
174+89.10	10.00'LT	E/B	(W11-1), 630FT (W16-2A)

TABLE B

STATION	OFFSET	WORDING(H)	CT STD PLAN
156+82.40	2.00'LT	STOP(4')	A24D (1/2" SIZE)
174+68.00	2.00'RT	STOP(4')	A24D (1/2" SIZE)

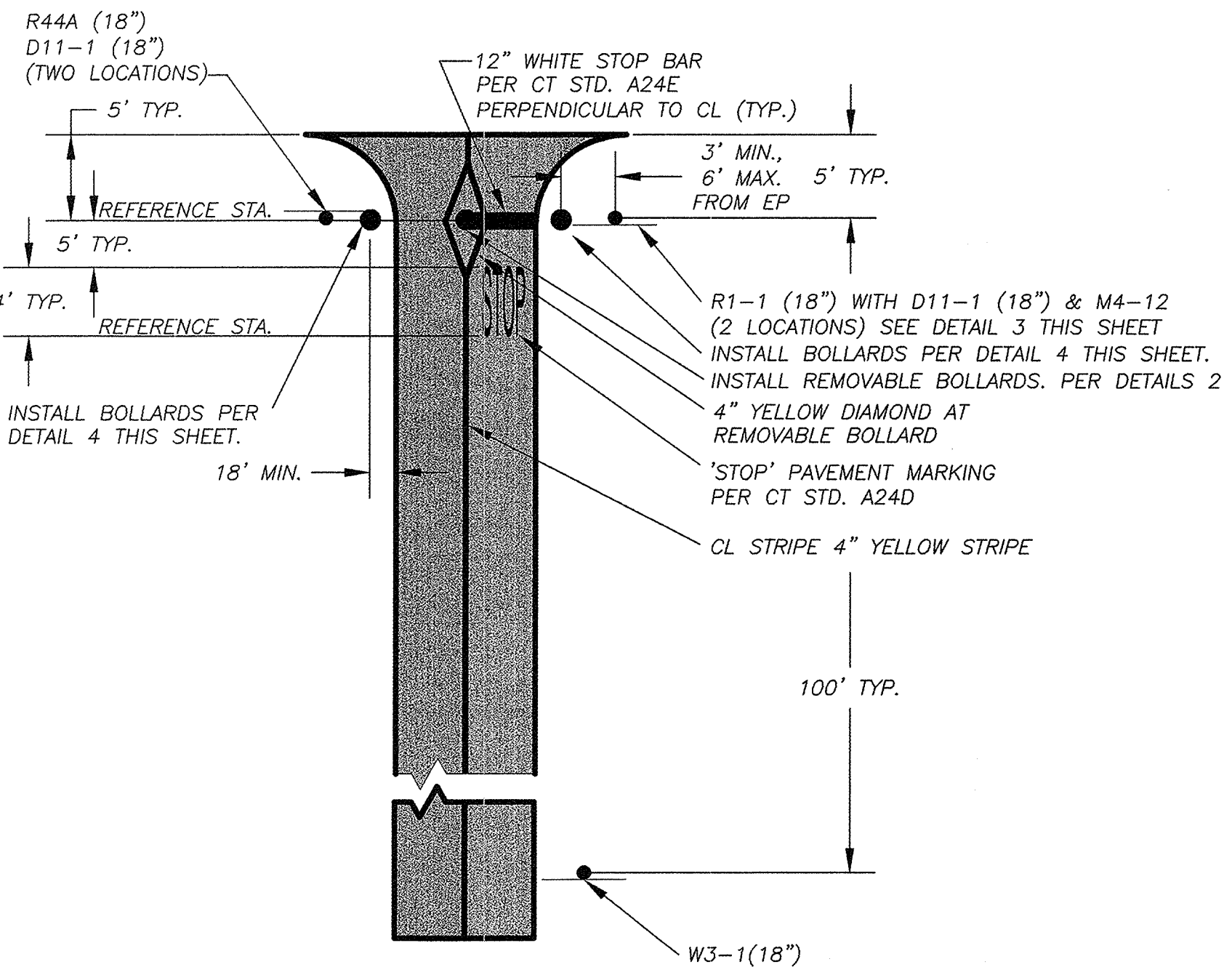
- NOTE:**
- BACK OF SIGN PANELS TO BE PAINTED TRPA APPROVED COLOR: TNMEC INDURA SHIELD #4 MIDNIGHT GREEN SEMI-GLOSS ID #75-J7751, OR APPROVED EQUAL.
 - LENGTH OF POST VARIES TO ALLOW BOTTOM OF LOWEST SIGN LARGER THAN 12" IN WIDTH TO BE BETWEEN 4' AND 5' ABOVE GRADE AND MAINTAIN 3'-0" EMBEDMENT.
 - SIGN PANELS TO BE BOLTED TO POST WITH 2 1/4" CARRIAGE BOLT WITH ADAPTER RING NEOPRENE WASHER & THEFT PROOF NUT; HAWKINS MODEL M2G-214UP-TP OR EQUAL.
 - SIGN TYPES ON THIS DETAIL ARE SHOWN FOR INFORMATION PURPOSES ONLY. SEE PLAN SHEET S-02 FOR TYPE TO BE INSTALLED.

3 S-01 SIGN INSTALLATION DETAIL N.T.S.

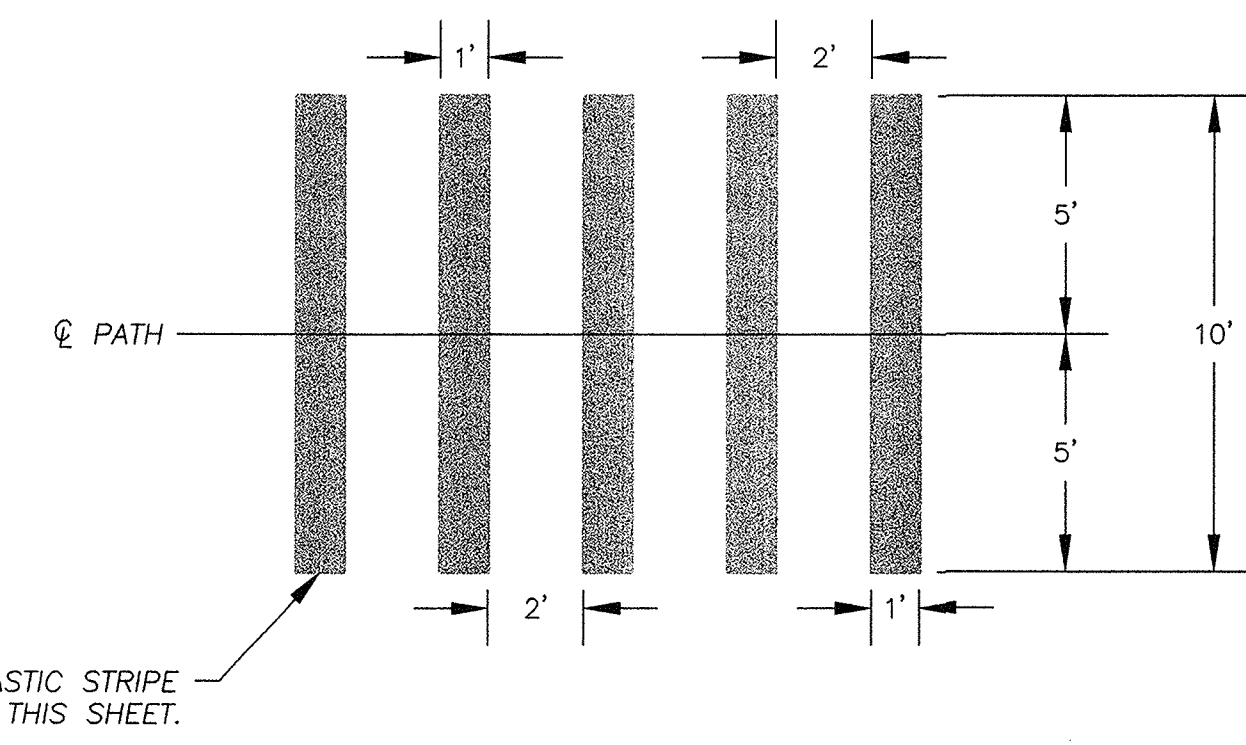
TABLE C

STATION	OFFSET	TO	STATION	OFFSET	DESCRIPTION
156+82.40	0.00'LT		156+82.404.00'LT		STOP BAR
174+73.60	0.00'RT		174+73.604.00'RT		STOP BAR

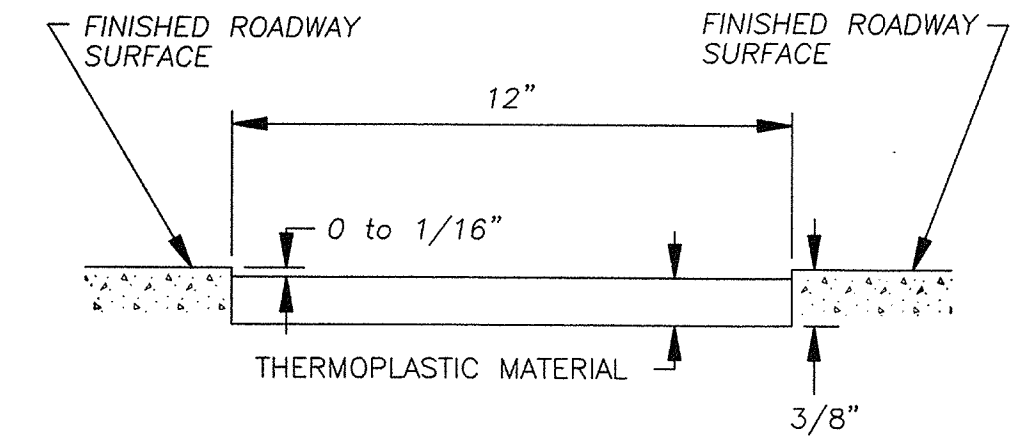
1 S-01



2 S-01 TYPICAL BIKE TRAIL STRIPING DETAIL N.T.S.



5 S-01 RECESSED THERMOPLASTIC CROSSWALK DETAIL SCALE: 1"=4'



6 S-01 RECESSED THERMOPLASTIC TRAFFIC STRIPE N.T.S.

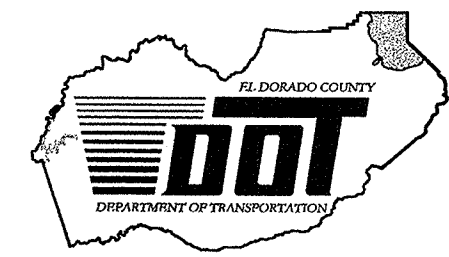
- NOTES:**
- SEE TYPICAL TRAFFIC LINE DETAILS FOR PAVEMENT MARKING PATTERNS.
 - THE TOP OF THE THERMOPLASTIC INSTALLED IN RECESSED PAVEMENT SHALL BE 0 TO 1/16" BELOW THE PAVEMENT SURFACE.

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
 REGISTERED CIVIL ENGINEER
 DATE:

DESIGNED: RKWM
 DRAWN: AEK
 CHECKED: JHM
 DATE: MAR 2008
 ROAD NUMBER: US 50



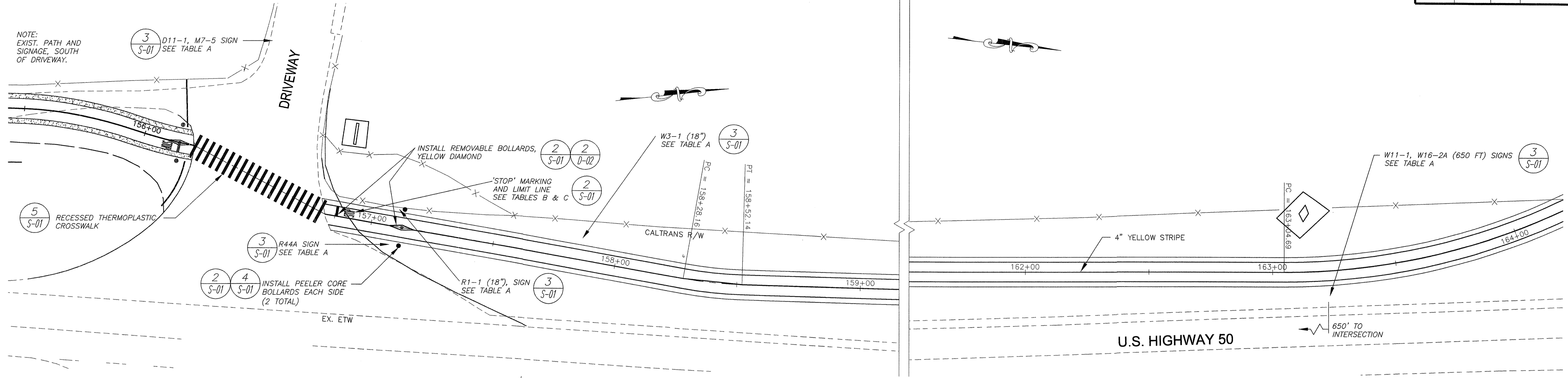
EL DORADO COUNTY
 DEPARTMENT OF TRANSPORTATION
 TAHOE ENGINEERING DIVISION

SAWMILL 1B BIKE PATH PROJECT
 SIGNING AND STRIPING DETAIL SHEET

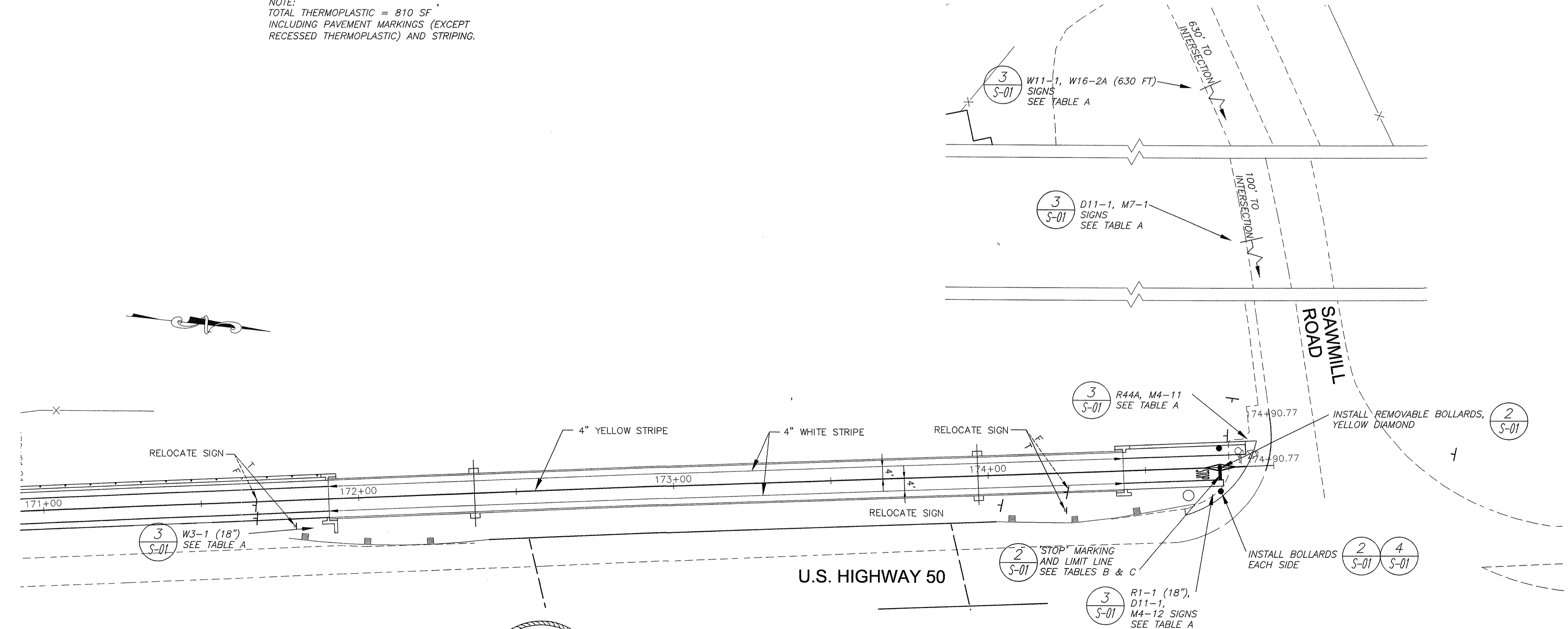
SHEET
 S-01
 11 OF 28
 W.O. No. 95148

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DISTRICT	COUNTY	ROUTE	MILE POST TOTAL PROJECT
3	ED	50	72.1



NOTE:
TOTAL THERMOPLASTIC = 810 SF
INCLUDING PAVEMENT MARKINGS (EXCEPT
RECESSED THERMOPLASTIC) AND STRIPING.



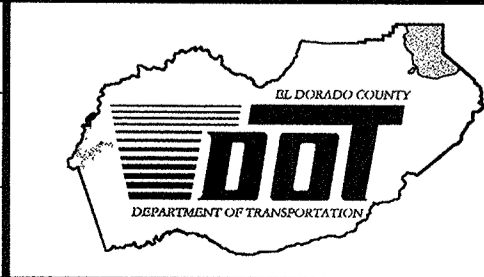
THIS PLAN IS ACCURATE FOR
SIGNING AND STRIPING ONLY
SCALE : (H) 1" = 20'

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
JOHN H. MCELROY
REGISTERED CIVIL ENGINEER
DATE:

DESIGNED: **JHM**
DRAWN: **AEK**
CHECKED: **JHM**
DATE: **MAR 2008**
ROAD NUMBER:
US 50



EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION
TAHOE ENGINEERING DIVISION

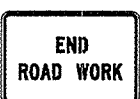

SAWMILL 1B BIKE PATH PROJECT
SIGNING AND STRIPING LAYOUT

SHEET
S-02
12 OF 28
W.O. No.
95148

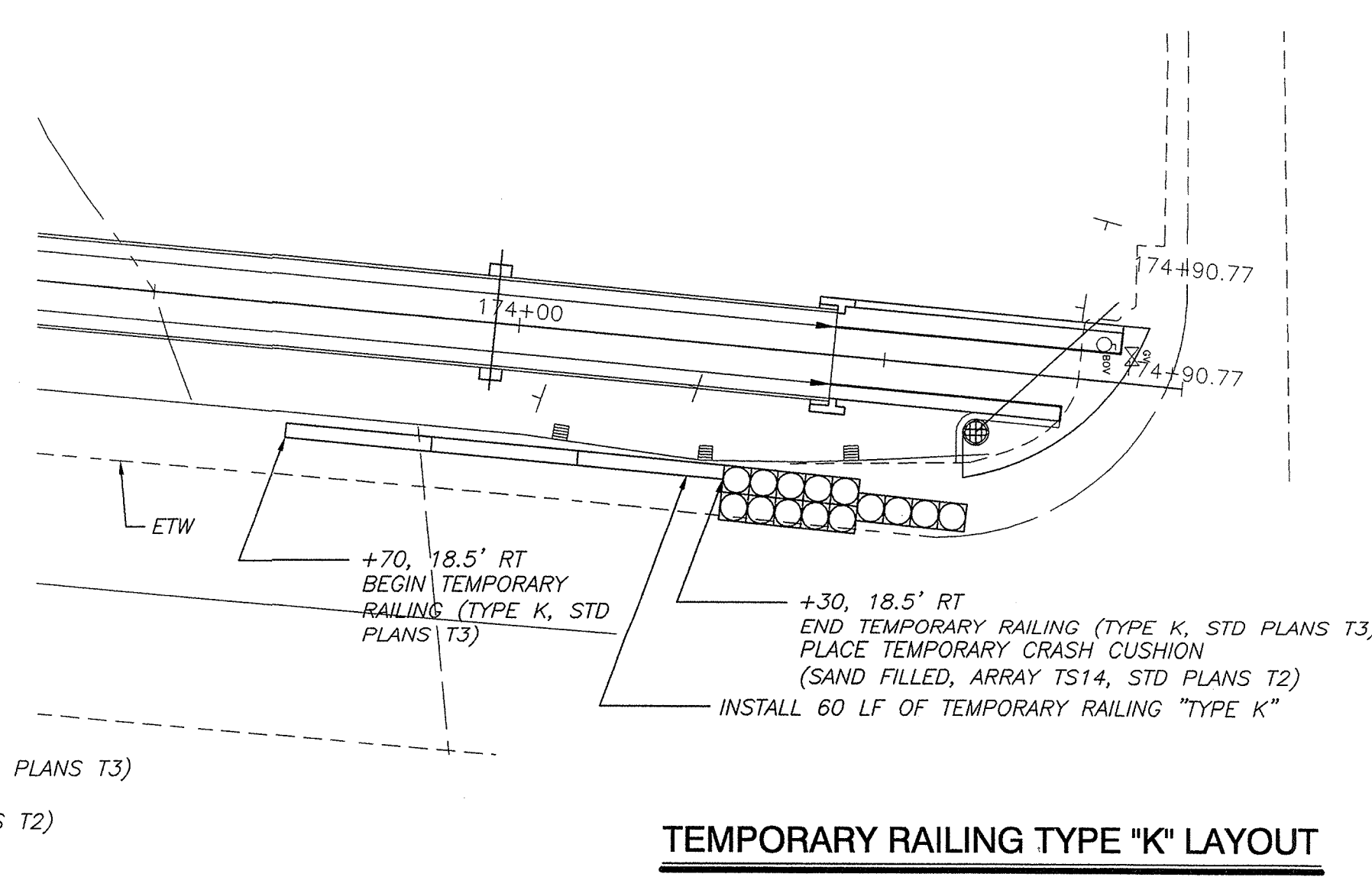
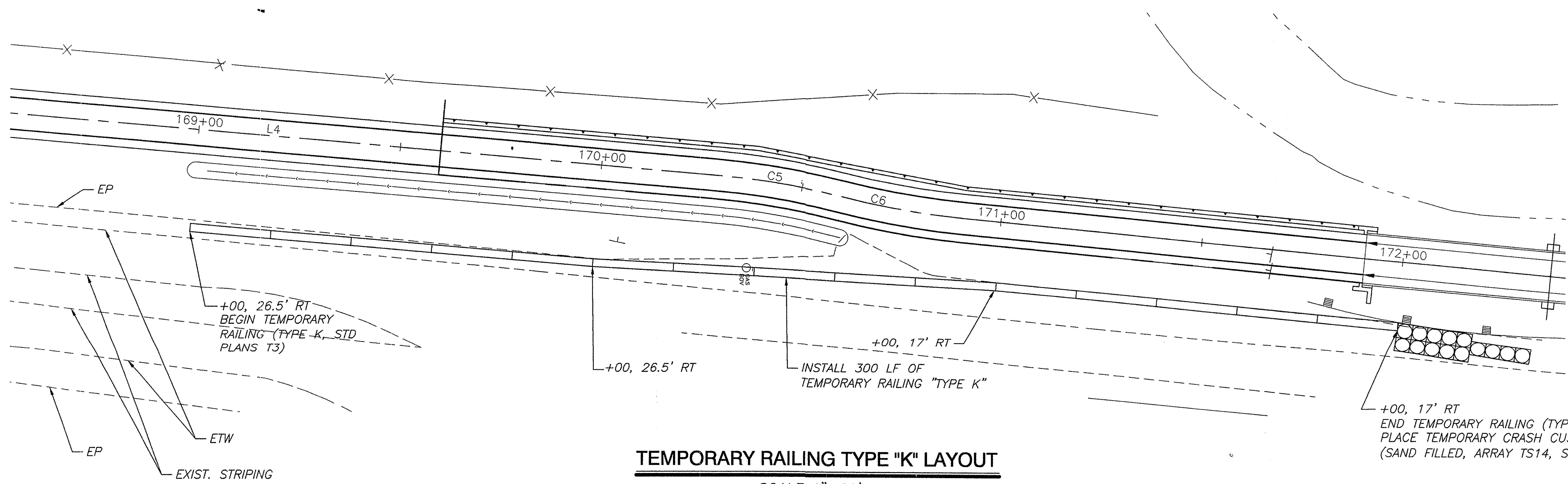
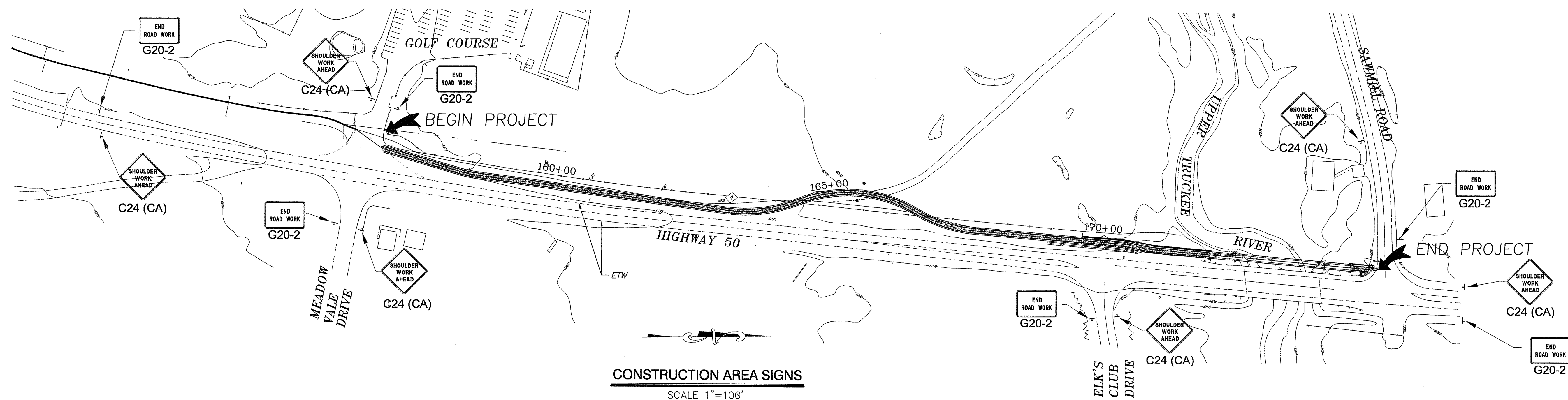
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DISTRICT	COUNTY	ROUTE	MILE POST TOTAL PROJECT
3	ED	50	72.1

LEGEND

- G20-2  "END ROAD WORK" SIGN AND LOCATION
- C24 (CA)  "SHOULDER WORK AHEAD" SIGN AND LOCATION

- NOTES:
- THIS PLAN HAS BEEN PREPARED AS A GUIDE TO THE CONTRACTOR IN PREPARATION OF A COMPLETE TRAFFIC CONTROL PLAN AND TO AID IN THE CONTRACTOR'S PLANNING FOR STAGING/STORAGE OF MATERIALS AND EQUIPMENT. THE CONTRACTOR'S TRAFFIC CONTROL PLAN SHALL INCLUDE DETAILED CONTROLS FOR FLAGGERS, LANE CLOSURES AND SIGNS, AS APPLICABLE, ROAD CLOSURES AND SIGNS, AS APPLICABLE, FOR ALL ITEMS OF ROAD WORK WHICH WILL REQUIRE ALTERATION OF EXISTING TRAFFIC PATTERNS.
 - THE CONTRACTOR'S TRAFFIC CONTROL PLAN SHALL ADDRESS EACH PHASE OF CONSTRUCTION (e.g. PIPE INSTALLATION, CURB AND GUTTER, ROCK PLACEMENT, STRUCTURES ADJACENT TO AND/OR AFFECTING THE ROADWAY, ETC.) AND SHALL CONFORM TO THE CALTRANS TRAFFIC MANUAL, 1990 EDITION, AND THE SPECIAL PROVISIONS. THE CONTRACTOR'S TRAFFIC CONTROL PLAN SHALL ALSO INCLUDE ALL SIGNING REQUIRED AT INTERSECTING STREETS WITHIN THE AREA THAT WILL REQUIRE TRAFFIC CONTROL. CONTRACTOR'S TRAFFIC CONTROL PLAN SHALL DESCRIBE SIGNING AND TC FOR PILE DRIVING, RETAINING WALL CONSTRUCTION AND ABUTMENT CONSTRUCTION, BRIDGE STAGING AND PLACEMENT.
 - AT THE END OF EACH WORK DAY A MINIMUM OF TWO 10 FOOT LANES SHALL BE OPENED TO PUBLIC TRAFFIC.
 - CONTRACTOR'S ATTENTION IS DIRECTED TO SHEET EC-1 & EC-2 OF THESE PLANS AND THE SPECIAL PROVISIONS REGARDING TEMPORARY EROSION CONTROL REQUIREMENTS FOR STAGING AREAS.
 - STAGING AREAS SHOWN ARE FOR THE TEMPORARY STORAGE OF CONSTRUCTION MATERIAL AND EQUIPMENT WHICH ARE TO BE USED ON THIS PROJECT. SEE SPECIAL PROVISIONS.
 - CALTRANS ENCROACHMENT PERMIT, NO. 0307-NMC0472. THE COUNTY WILL OBTAIN ALL PERMITS PRIOR TO THE NOTICE TO PROCEED AND WILL PROVIDE COPIES TO THE CONTRACTOR. THE CONTRACTOR SHALL COMPLY WITH THE CONDITIONS OF THE PERMITS WHERE APPLICABLE. THE CONTRACTOR SHALL PROCURE AT HIS OWN EXPENSE ALL PERMITS, LICENSES, INSURANCE POLICIES, ETC., NOT ALREADY OBTAINED BY THE COUNTY OF EL DORADO AS MAY BE NECESSARY TO COMPLY WITH FEDERAL AND STATE LAWS ASSOCIATED WITH THE PERFORMANCE OF THE WORK, AS DIRECTED IN THE SPECIAL PROVISIONS.

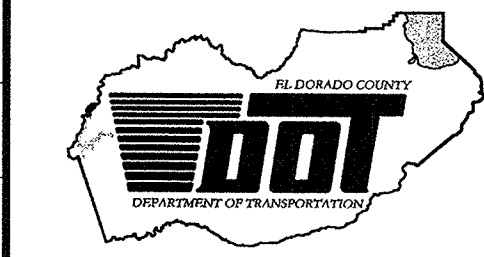


REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
 REGISTERED CIVIL ENGINEER
 DATE:

DESIGNED: JHM
 DRAWN: AEK
 CHECKED: BV
 DATE: MAR 2008
 ROAD NUMBER: US 50



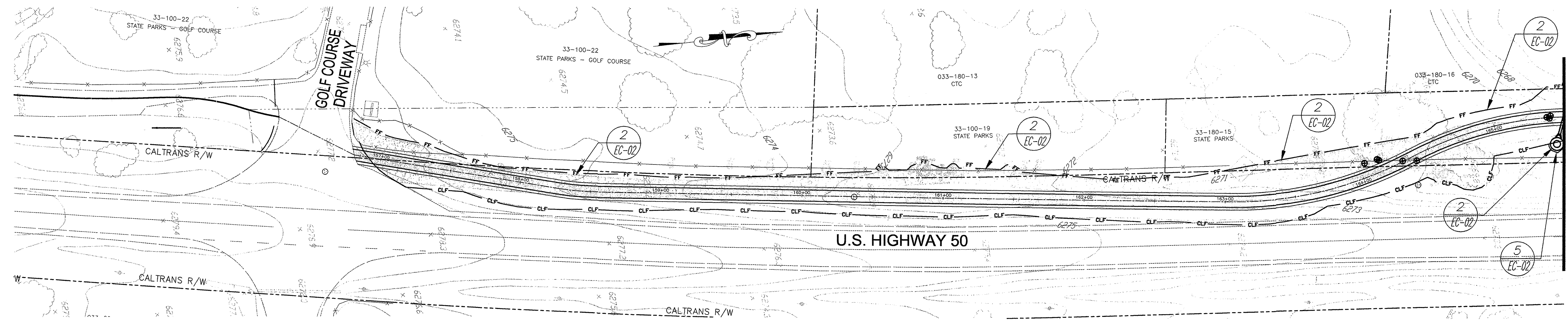
EL DORADO COUNTY
 DEPARTMENT OF TRANSPORTATION
 TAHOE ENGINEERING DIVISION

SAWMILL 1B BIKE PATH PROJECT
 TRAFFIC CONTROL PLAN

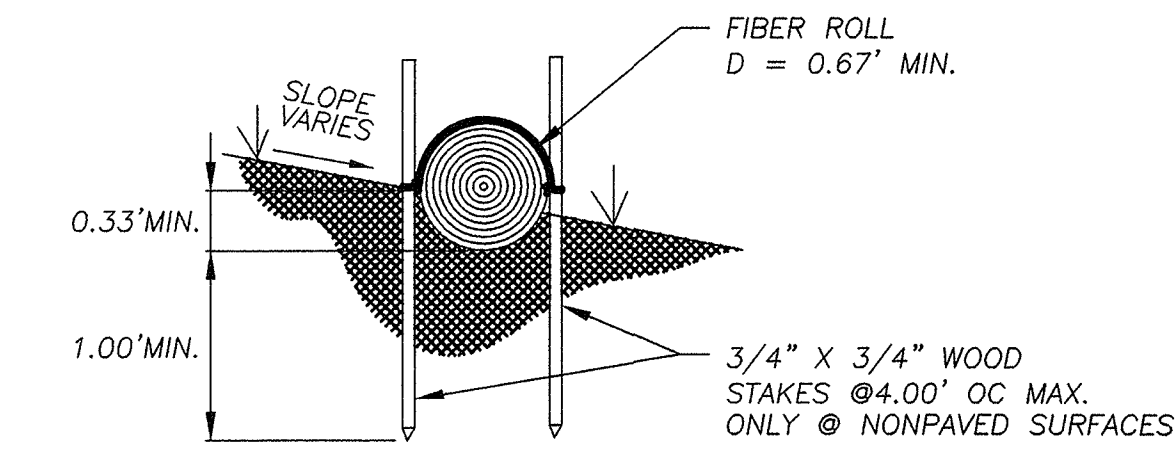
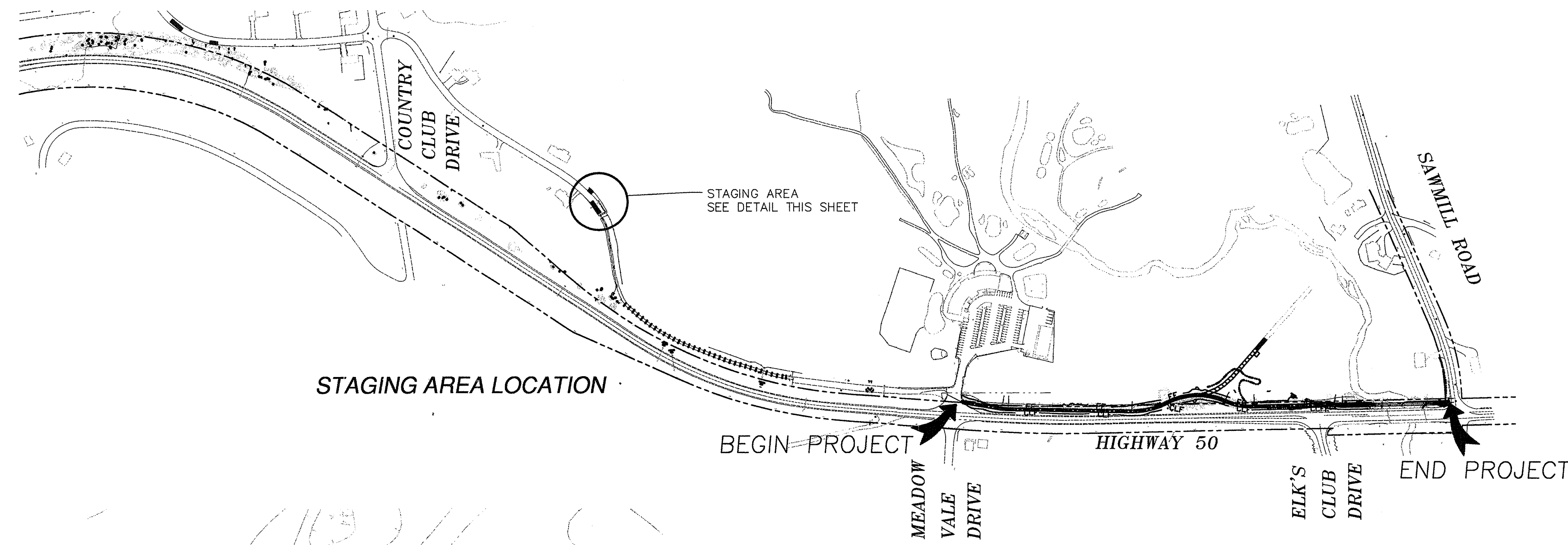
SHEET
 TC-01
 13 OF 28
 W.O. No. 95148

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DISTRICT	COUNTY	ROUTE	MILE POST TOTAL PROJECT
3	ED	50	72.1

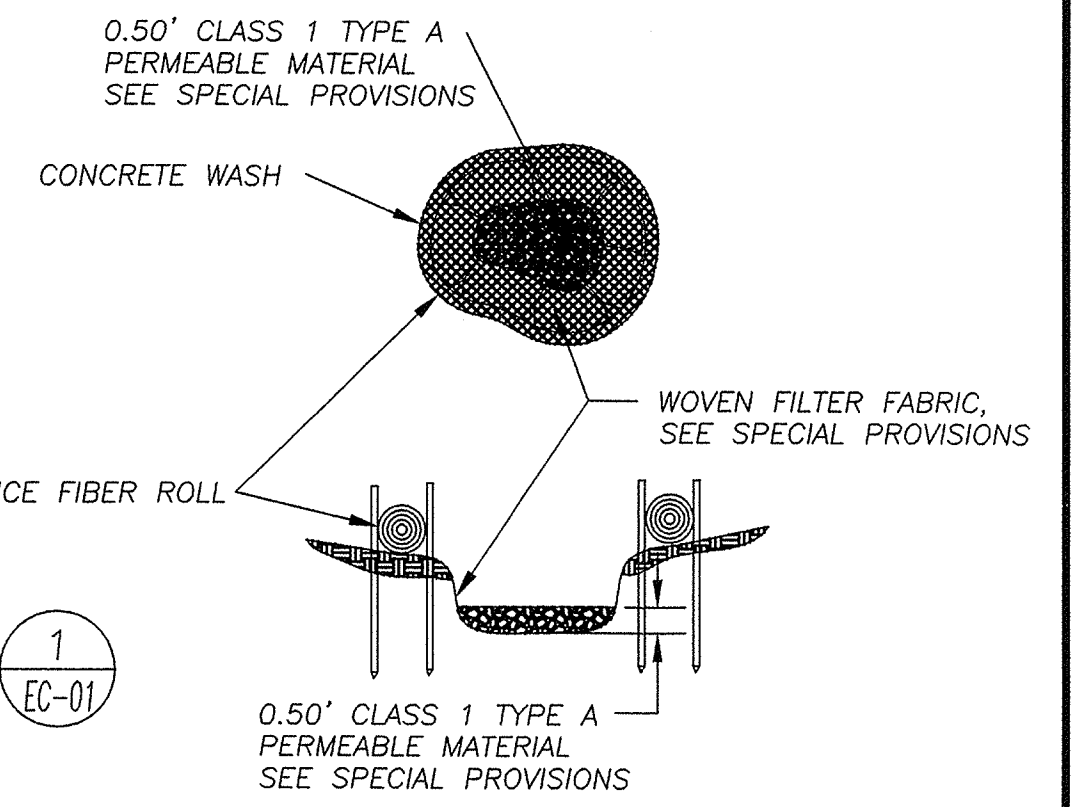


MATCH LINE: STA 165+50
SEE BELOW



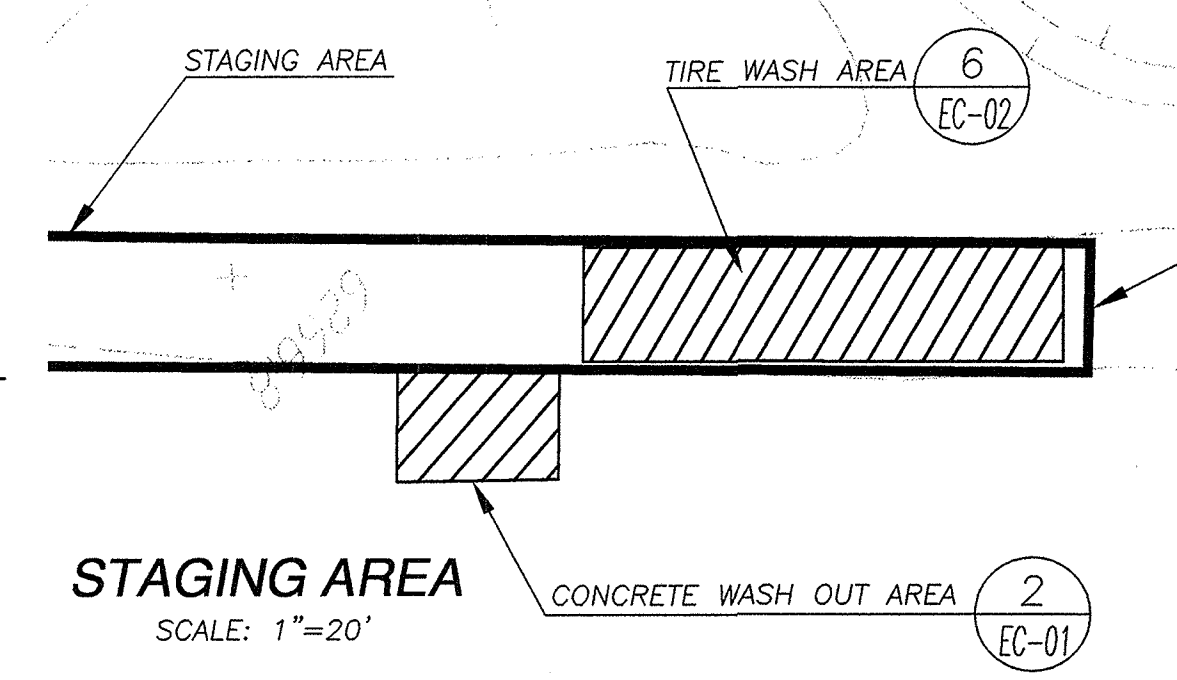
NOTE: 1. INSTALL FIBER ROLL ALONG LEVEL CONTOUR.

1 EC-01 TYPICAL FIBER ROLL INSTALLATION
N.T.S.

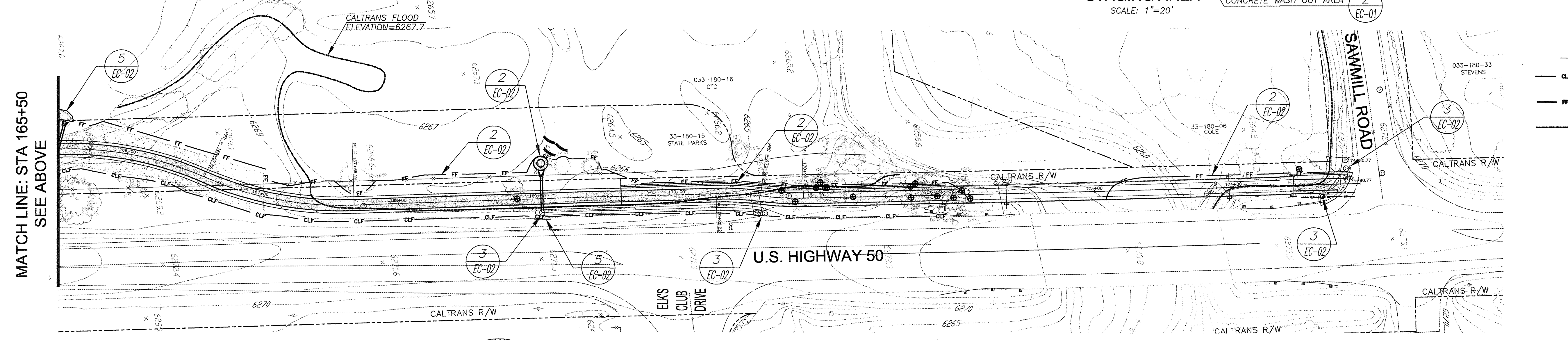


NOTE: CONCRETE WASH SHALL BE SIZED FOR WASHING ALL CONCRETE EQUIPMENT W/O OVER TOPPING BASIN

2 EC-01 TYPICAL CONCRETE WASH AREA
N.T.S.



STAGING AREA
SCALE: 1"=20'



MATCH LINE: STA 165+50
SEE ABOVE

LEGEND

	CLF	CONSTRUCTION LIMIT FENCE AND TREE PROTECTION FENCE
	FF	FILTER FENCE
		CALTRANS FLOOD ELEVATION LINE

QUANTITIES

FENCE TYPE	QUANTITY	UNIT
CLF/TPP	1,567	LF
FF2	1,903	LF
FF3	40	LF
FIBER ROLL	15	LF

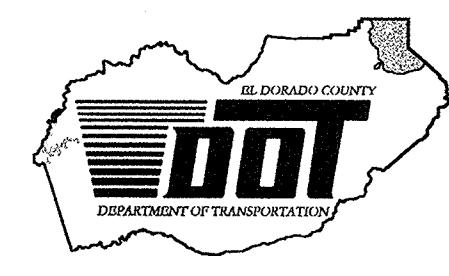
SCALE: (H) 1" = 40'

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
 REGISTERED CIVIL ENGINEER
 DATE:

DESIGNED: JHM
 DRAWN: AEK
 CHECKED: JHM
 DATE: MAR 2008
 ROAD NUMBER: US 50



EL DORADO COUNTY
 DEPARTMENT OF TRANSPORTATION
 TAHOE ENGINEERING DIVISION

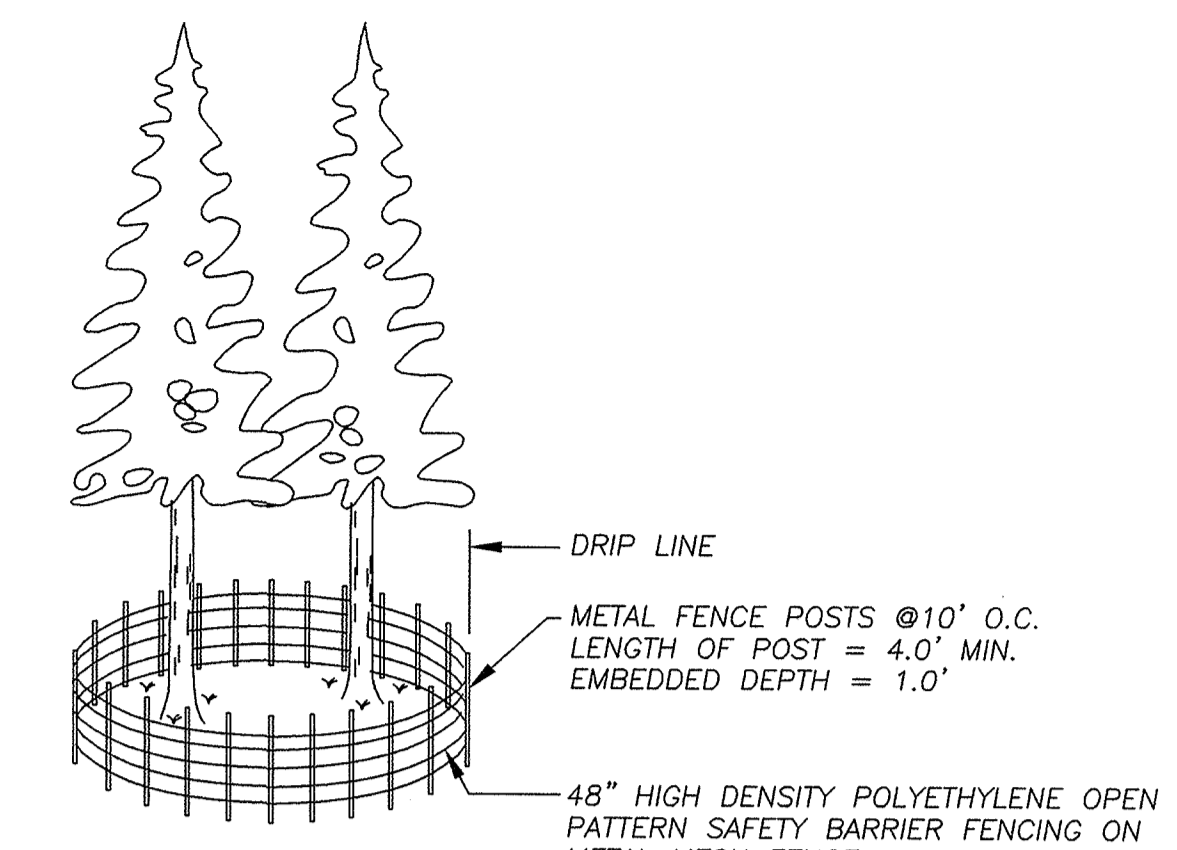
SAWMILL 1B BIKE PATH PROJECT
 ACCESS, STAGING & TEMPORARY EROSION CONTROL PLAN

SHEET
EC-01
 14 OF 28
 W.O. No. 95148

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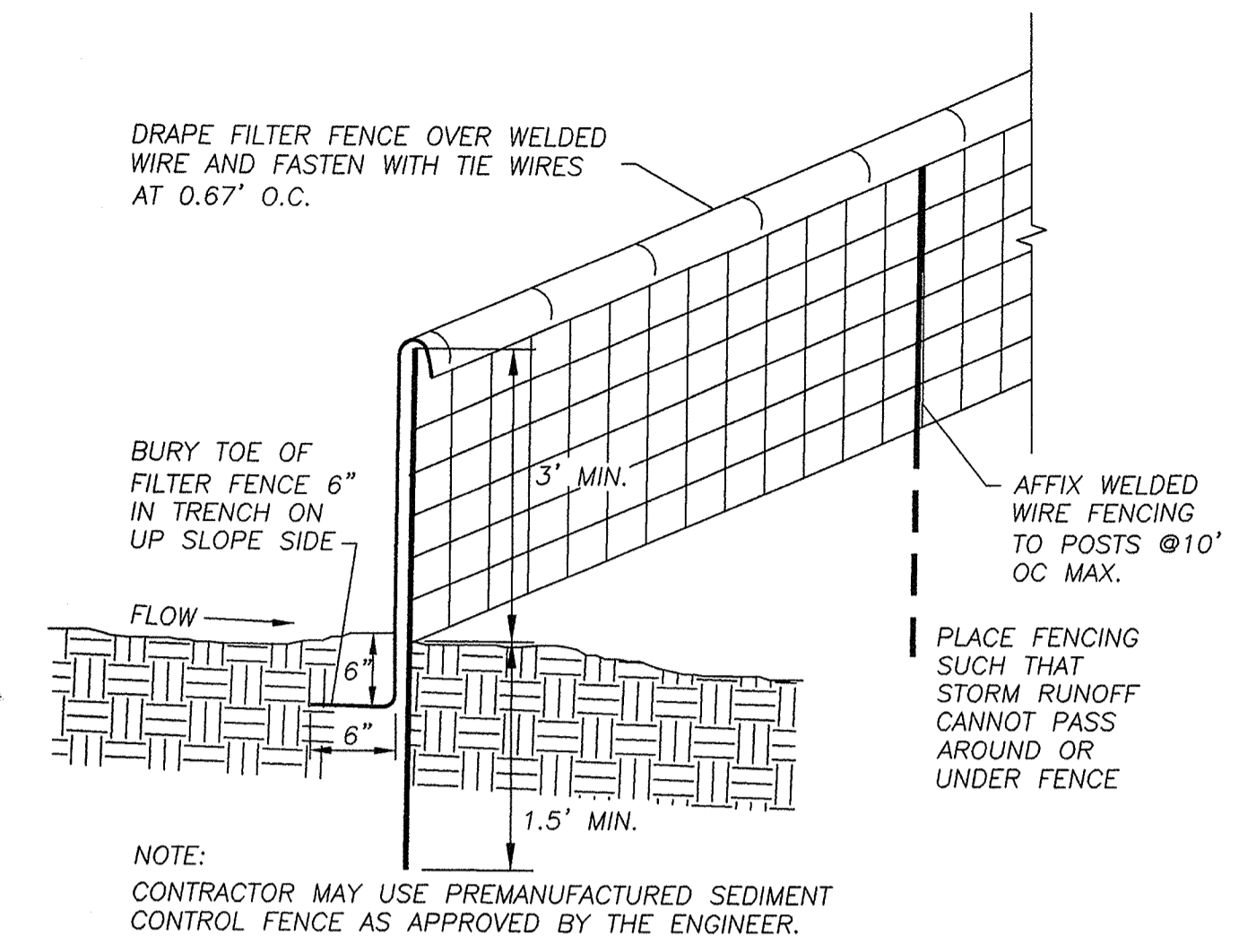
DISTRICT	COUNTY	ROUTE	MILE POST TOTAL PROJECT
3	ED	50	72.1

- NOTES:
- SEE SPECIAL PROVISIONS FOR SPECIFICATIONS REGARDING FILTER FABRIC.
 - FILTER FENCE FOR ROCK-LINED CHANNEL ARE NOT SHOWN. QUANTITIES FOR THESE AREAS ARE INCLUDED IN THE BID SCHEDULE.
 - SPACING INTERVALS FOR TYPE 1 FILTER FENCE SHALL BE AT 50' OC FOR SLOPES GREATER THAN 5% AND AT 100' OC FOR SLOPES LESS THAN OR EQUAL TO 5%.
 - LOCATIONS AND LF OF TYPE 2 FILTER FENCE REQUIRED FOR THE STAGING AREAS ARE NOT SHOWN. QUANTITIES FOR THESE AREAS ARE INCLUDED IN THE BID SCHEDULE. THE CONTRACTOR IS TO INCLUDE THESE AREAS IN HIS TEMPORARY EROSION CONTROL PLAN SUBMITTAL.
 - DIMENSION LIMITS OF FILTER FENCE AND CONSTRUCTION LIMIT FENCE DO NOT INCLUDE MINIMUM LIMITS FOR TREE PROTECTION. TREE PROTECTION FENCING TO BE PER DETAIL AND/OR AS DETERMINED IN THE FIELD.
 - ALL AMOUNTS SHOWN IN BID SCHEDULE ARE ESTIMATES ONLY. CONTRACTOR SHALL MAKE ALL NECESSARY CHANGES TO THE TEMPORARY EROSION CONTROL PLAN WITH HIS/HER SUBMITTAL IN ORDER TO COMPLY WITH TRPA AND LAHONTAN SWPPP REQUIREMENTS
 - CONTRACTOR WILL BE PAID FOR ACTUAL QUANTITIES OR TEMPORARY EROSION CONTROL DEVICES INSTALLED AND SATISFACTORILY MAINTAINED.
 - A FINE OF \$100/DAY WILL BE LEVIED AGAINST THE CONTRACTOR FOR EACH DAY CONTRACTOR DELAYS IN RESPONDING TO ENGINEER'S REQUEST TO INSTALL NEW TEMPORARY EROSION CONTROL DEVICES AND OR MAINTAIN EXISTING TEMPORARY EROSION CONTROL DEVICES.
 - STOCKPILES SHALL BE GRADED TO REDUCE THEIR VISIBILITY, AND WATERED DAILY TO REDUCE FUGITIVE DUST.
 - ALL CONSTRUCTION EQUIPMENT WORKING IN OR NEAR SITE AREAS MUST BE STEAM CLEANED PRIOR TO MOBILIZATION AT THE PROJECT SITE AND MAINTAINED IN CLEAN AND GOOD WORKING ORDER WITH MAINTENANCE LOG MADE AVAILABLE TO TRPA AT THEIR REQUEST.

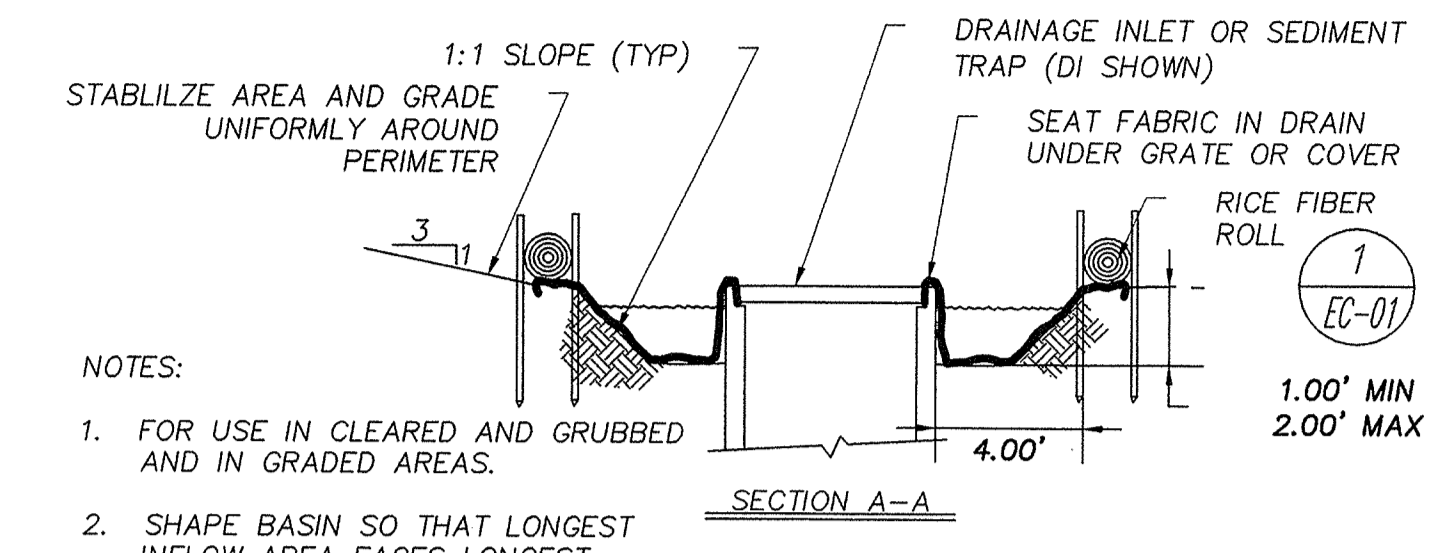


1 TREE PROTECTION CONSTRUCTION LIMIT FENCE
N.T.S.

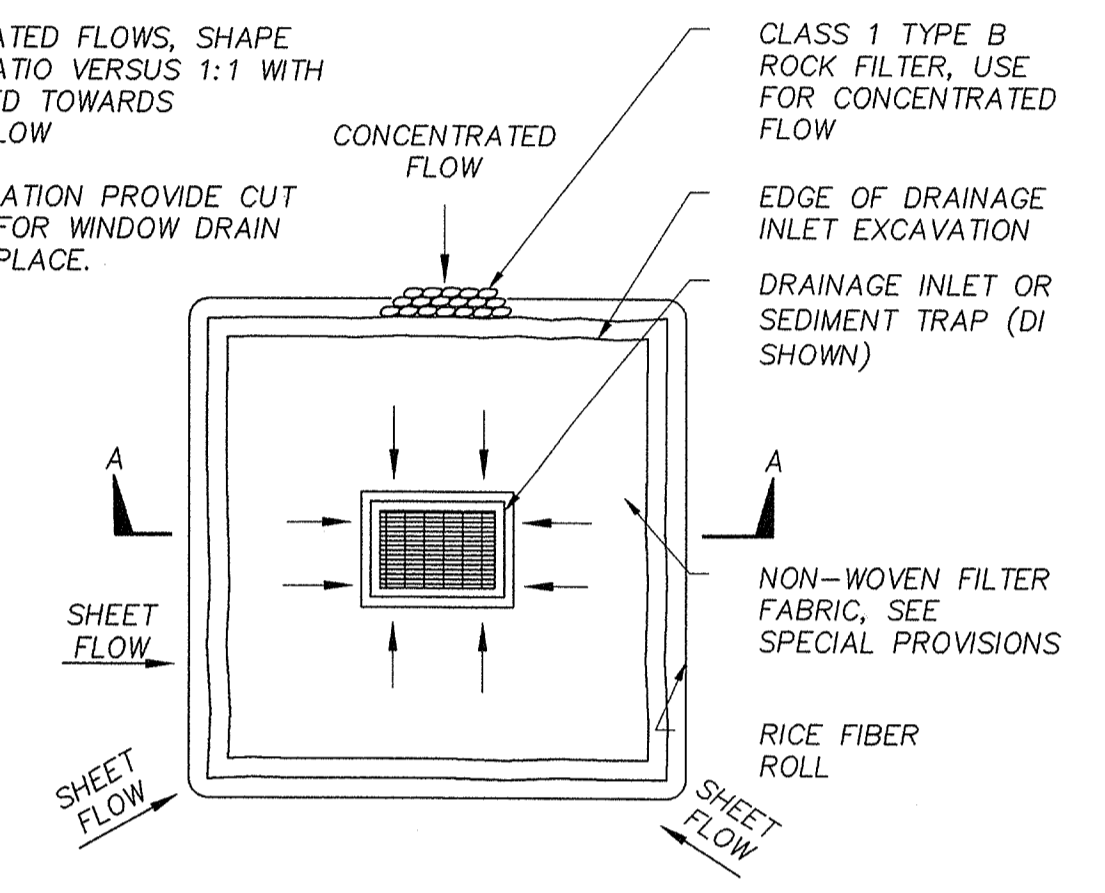
- NOTES:
- LOCATIONS, TYPE, AND LF OF TEMPORARY EROSION CONTROL REQUIRED FOR STAGING AREAS ARE NOT SHOWN. THE CONTRACTOR IS TO INCLUDE THESE AREAS IN HIS TEMPORARY EROSION CONTROL SUBMITTAL.
 - DIMENSIONS SHOWN FOR THE LOCATION OF CONSTRUCTION LIMIT FENCE ARE MAXIMUM DIMENSIONS AND DO NOT CONSIDER THE REDUCTION NECESSARY TO ALLOW FOR TREE PROTECTION.



2 TYPICAL FILTER FENCE DETAIL TYPE 2 AT DOWNHILL EDGE OF CUT AND FILL AREAS
N.T.S.

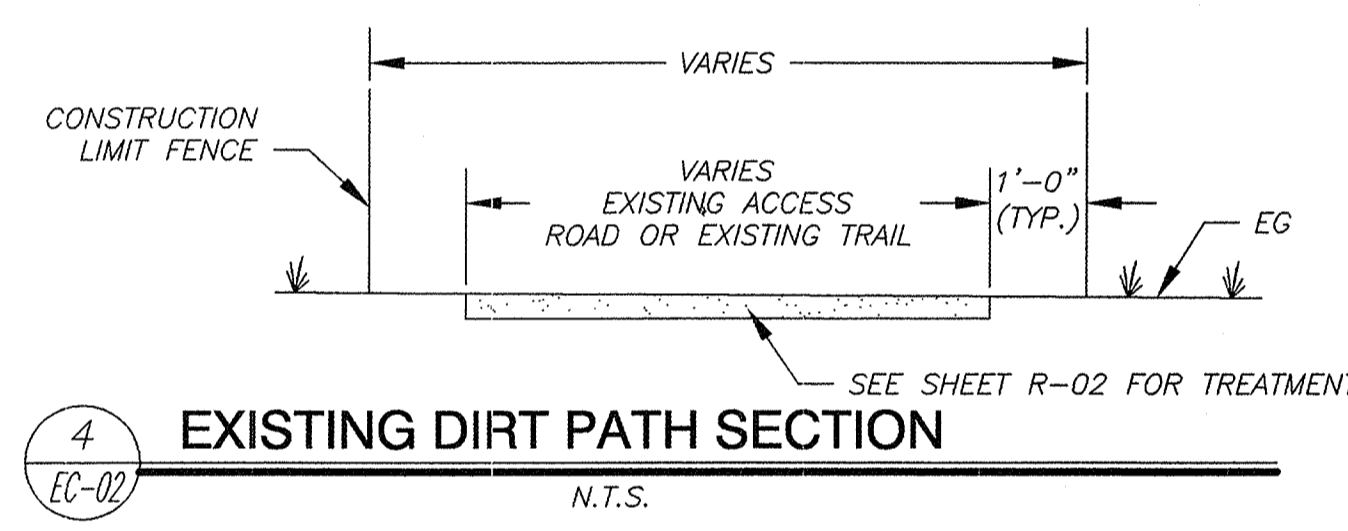


- NOTES:
- FOR USE IN CLEARED AND GRUBBED AND IN GRADED AREAS.
 - SHAPE BASIN SO THAT LONGEST INFLOW AREA FACES LONGEST LENGTH OF TRAP
 - FOR CONCENTRATED FLOWS, SHAPE BASIN IN 2:1 RATIO VERSUS 1:1 WITH LENGTH ORIENTED TOWARDS DIRECTION OF FLOW
 - FOR ST INSTALLATION PROVIDE CUT OUT IN FABRIC FOR WINDOW DRAIN AND CLAMP IN PLACE.

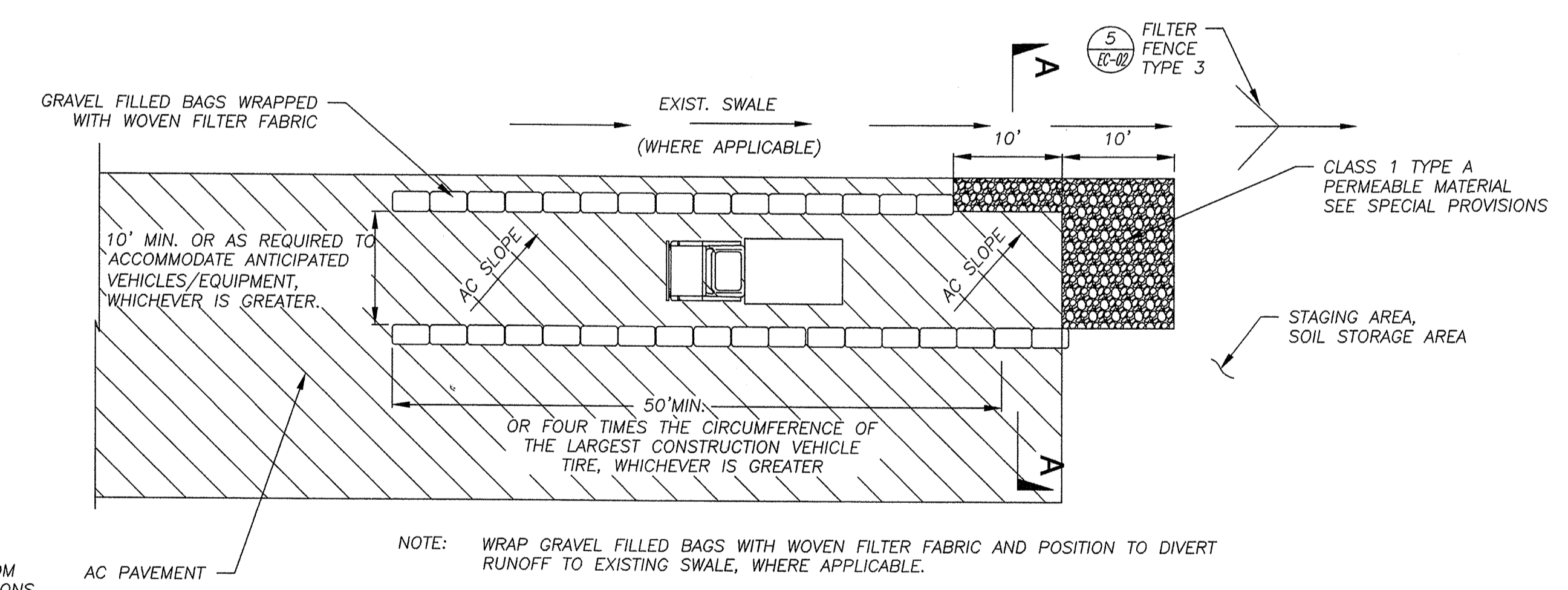


- NOTES:
- SEE SPECIAL PROVISIONS FOR SPECIFICATIONS REGARDING FILTER FABRIC, GRAVEL BAGS, RICE FIBER ROLLS, RICE BALES AND FENCE POSTS.
 - SPACING INTERVALS FOR TYPE 1 FILTER FENCE, RICE BALE SEDIMENT BARRIER, AND C&G SEDIMENT CONTROL SHALL BE AT 50' OC FOR SLOPES GREATER THAN 5% AND AT 100' OC FOR SLOPES LESS THAN OR EQUAL TO 5%.
 - LOCATIONS AND LF OF TYPE 2 FILTER FENCE REQUIRED FOR THE STAGING AREAS ARE NOT SHOWN. THE CONTRACTOR IS TO INCLUDE THESE AREAS IN HIS TEMPORARY EROSION CONTROL PLAN SUBMITTAL.
 - DIMENSION LIMITS OF FILTER FENCE AND CONSTRUCTION LIMIT FENCE DOES NOT INCLUDE MINIMUM LIMITS FOR TREE PROTECTION. TREE PROTECTION FENCING TO BE PER DETAIL THIS SHEET AND/OR AS DETERMINED IN THE FIELD.

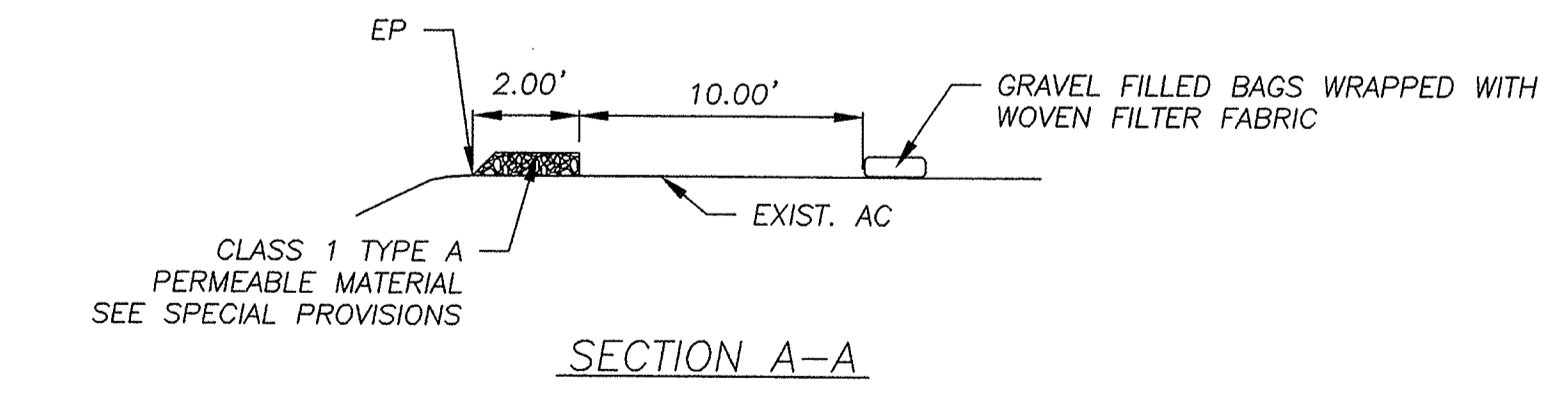
3 TYPICAL INLET PROTECTION, TYPE 1
N.T.S.



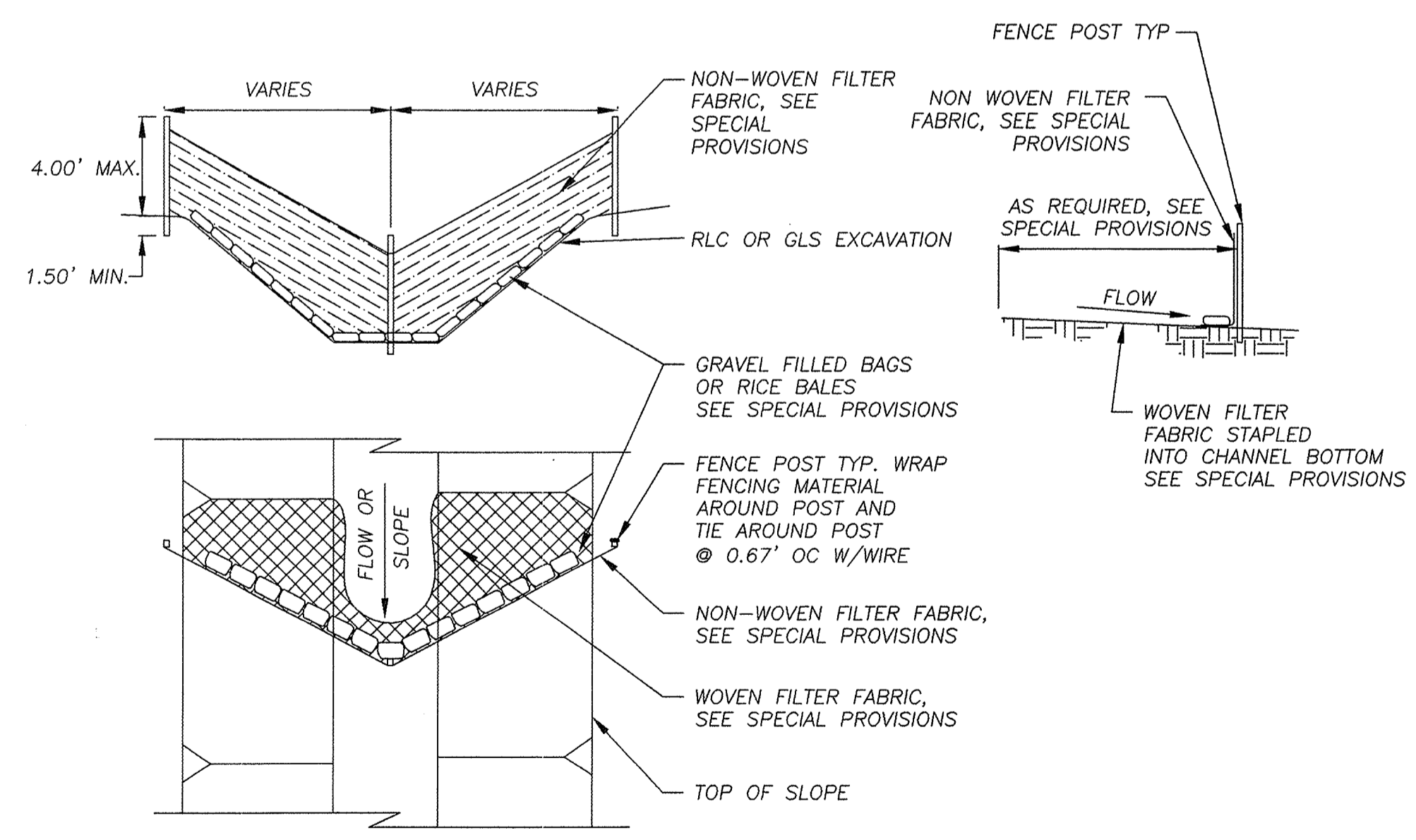
4 EXISTING DIRT PATH SECTION
N.T.S.



NOTE: WRAP GRAVEL FILLED BAGS WITH WOVEN FILTER FABRIC AND POSITION TO DIVERT RUNOFF TO EXISTING SWALE, WHERE APPLICABLE.



6 TYPICAL TIRE WASH AREA TYPE 1 (ON PAVEMENT)
N.T.S.

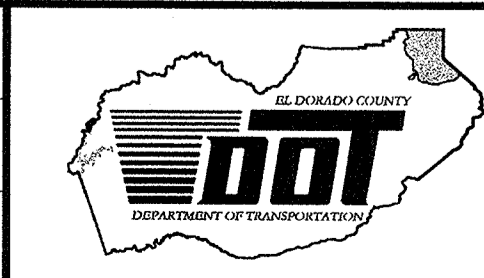


5 TYPICAL FILTER FENCE TYPE 3 AT RLD OR GLS
N.T.S.

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:	DESIGNED:	DRAWN:
REGISTERED CIVIL ENGINEER	JHM	AEK
DATE:	CHECKED:	DATE:
	JHM	MAR 2008
	ROAD NUMBER:	
	US 50	



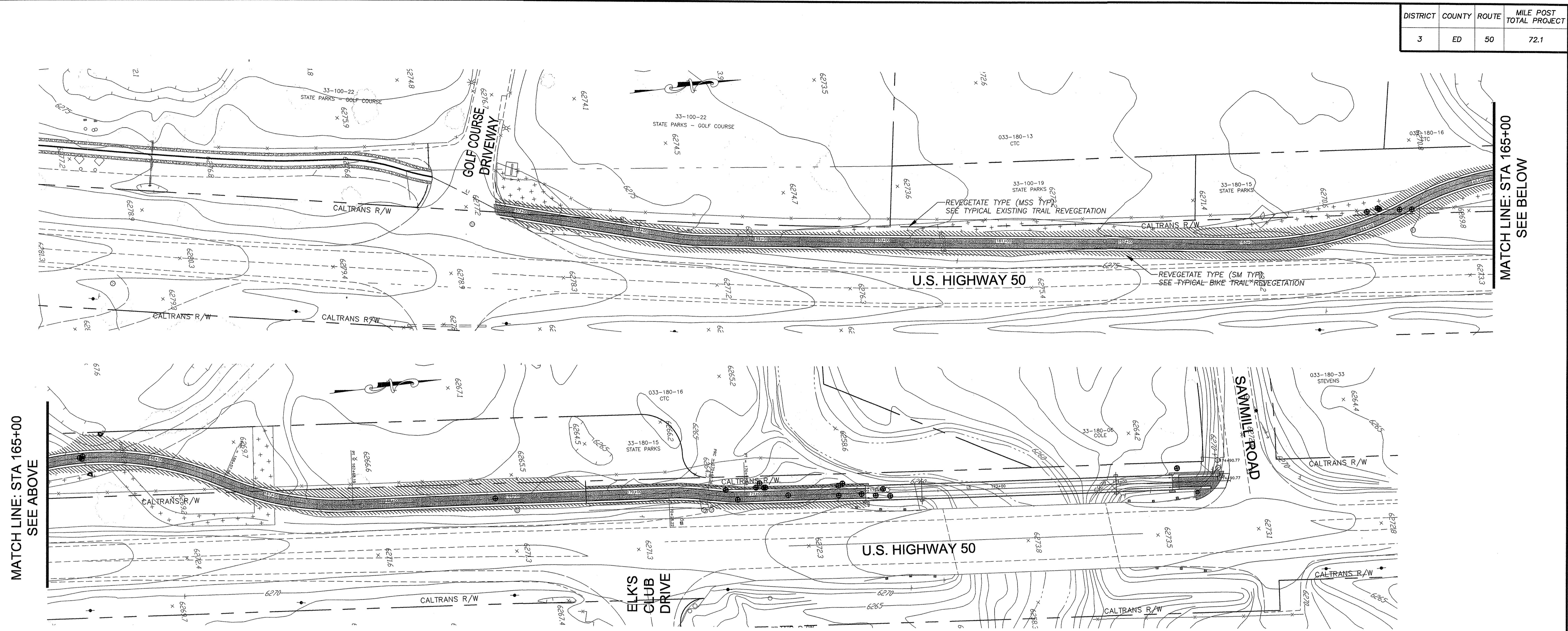
EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION
TAHOE ENGINEERING DIVISION

SAWMILL 1B BIKE PATH PROJECT
ACCESS, STAGING & TEMPORARY EROSION CONTROL DETAILS

SHEET	EC-02
15 OF 28	
W.O. No.	95148

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DISTRICT	COUNTY	ROUTE	MILE POST TOTAL PROJECT
3	ED	50	72.1



MATCH LINE: STA 165+00
SEE ABOVE

MATCH LINE: STA 165+00
SEE BELOW

SEED MIX #1

GRASSES	VARIETY	PLS#/ACRE
MOUNTAIN BROME	BROMAR	5.00
SLENDER WHEATGRASS	SAN LUIS	6.00
BIG BLUEGRASS	SHERMAN	4.00
SHEEP FESCUE	COVAR	4.00
SHRUBS		
SAGEBRUSH BIG		.25
RABBITBRUSH RUBBER		.25
BITTERBRUSH		1.00
FLOWERS		
SIERRA BLEND		.50

REVEGETATION TYPE LEGEND

- TYPE SM - APPLY SEED, HUMUS, INCORPORATE, COMPOST MULCH (SEE NOTES)
- TYPE MSS - APPLY COMPOST MULCH, SCARIFY, SEED, HUMUS, AMENDMENT INCORPORATE (SEE NOTES)
- TREE REMOVAL

SEED - SEE SPECIFICATIONS
 HUMUS - SEE SPECIFICATIONS
 INCORPORATE - SEE SPECIFICATIONS
 COMPOST MULCH - SEE SPECIFICATIONS
 AMENDMENT - SEE SPECIFICATIONS

NOTES:
 1) REVEGETATION TYPE (MSS) FOR AREAS NOTED AS DIRT TRAILS AND DISTURBED AREAS. APPLY 2" OF HUMUS TO IDENTIFIED AREA, SCARIFY AREA 6" DEEP, REGRADE SURFACE; LEAVE ROUGH, APPLY SOIL AMENDMENT, APPLY SEED MIX #1, INCORPORATE TO 1/4", APPLY 1" COMPOSTED MULCH, APPLY TACKIFIER.
 2) REVEGETATION TYPE (SM) FOR AREAS OF CUT AND FILL OF BIKE TRAIL. APPLY 3" (LIGHTLY COMPACTED) OF TOP SOIL MIX, APPLY SOIL AMENDMENT, APPLY SEED MIX #1, INCORPORATE TO 1/4", APPLY 1" COMPOSTED MULCH, APPLY TACKIFIER.

REVEGETATION QUANTITIES

TYPE	QUANTITIES	UNITS
SM	13,497	SF
MSS	8,266	SF

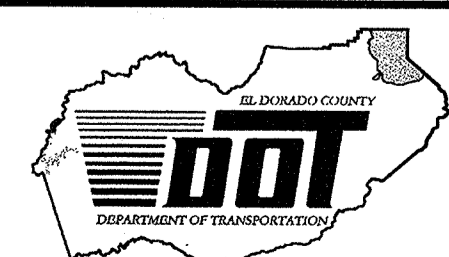
SCALE : (H) 1" = 40'

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
 REGISTERED CIVIL ENGINEER
 DATE:

DESIGNED: JHM
 DRAWN: AEK
 CHECKED: JHM
 DATE: MAR 2008
 ROAD NUMBER: US 50



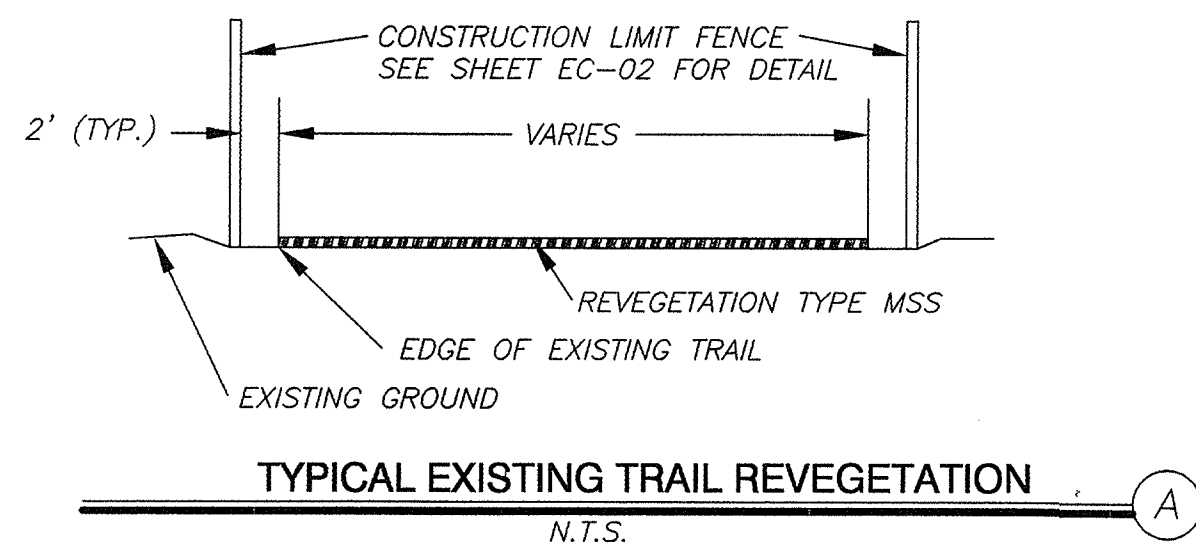
EL DORADO COUNTY
 DEPARTMENT OF TRANSPORTATION
 TAHOE ENGINEERING DIVISION

SAWMILL 1B BIKE PATH PROJECT
 REVEGETATION PLAN

SHEET
R-01
 16 OF 28
 W.O. No. 95148

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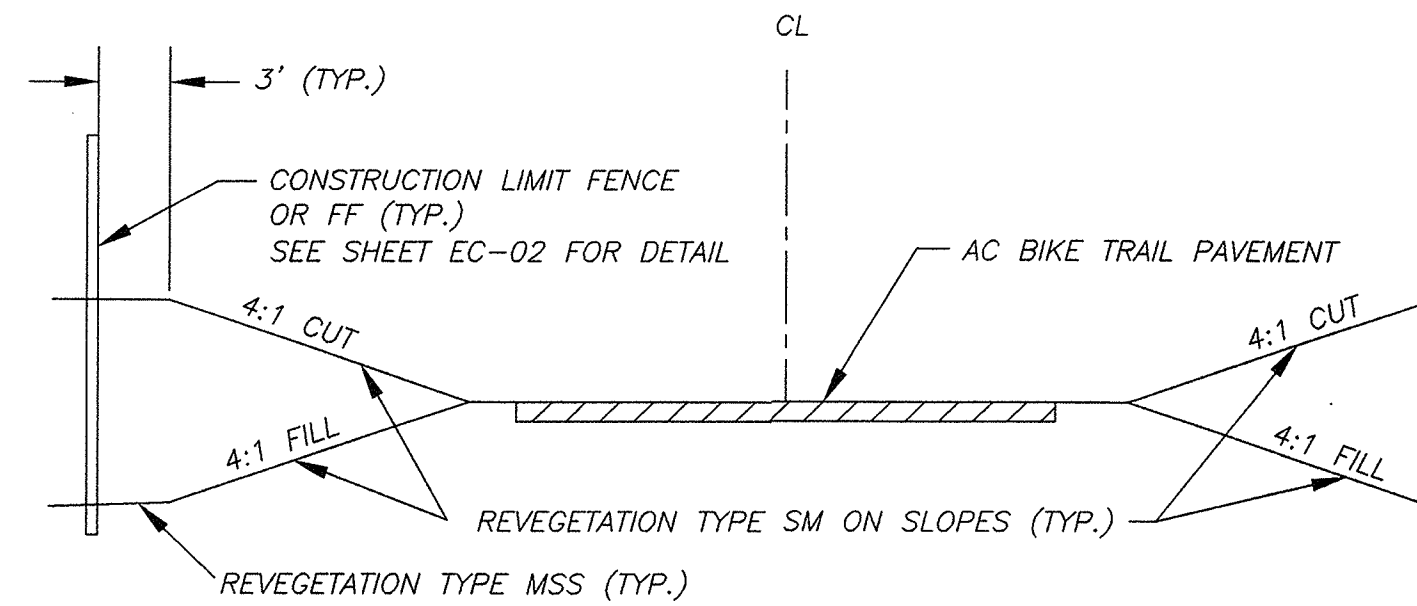
DISTRICT	COUNTY	ROUTE	MILE POST TOTAL PROJECT
3	ED	50	72.1



TYPICAL EXISTING TRAIL REVEGETATION

N.T.S.

(A)

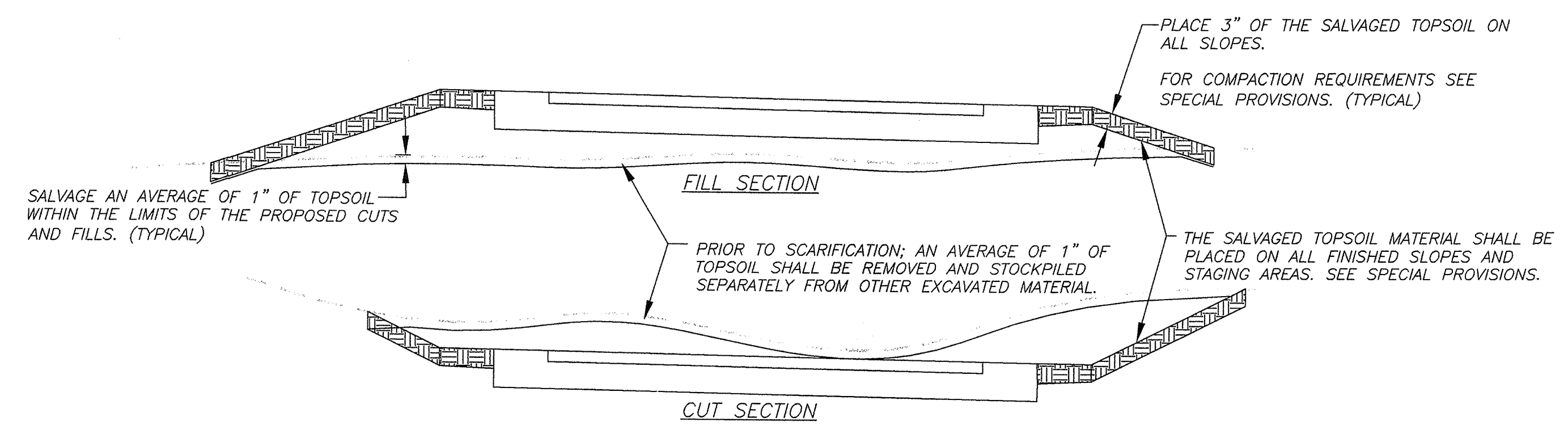


NOTE: DAYLIGHT SLOPES SHOWN ARE TYPICAL.

TYPICAL BIKE TRAIL REVEGETATION

N.T.S.

(B)



NOTE:
SALVAGED TOPSOIL SHOULD BE MIXED 3:1 WITH HUMUS THEN REPLACED AND COMPACTED. (COMPACTED TO A MIN. OF 85% REL. COMP. TO A MAX. OF 90% REL. COMP.)

TOPSOIL SALVAGE DETAIL

N.T.S.

(C)

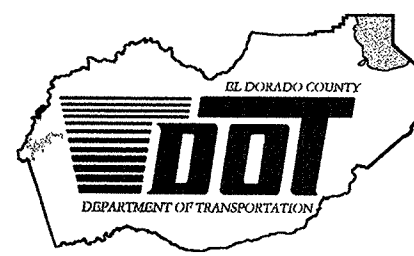
REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF :

REGISTERED CIVIL ENGINEER
DATE: _____

DESIGNED: JHM
DRAWN: AEK
CHECKED: JHM
DATE: MAR 2008
ROAD NUMBER: US 50



EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION
TAHOE ENGINEERING DIVISION

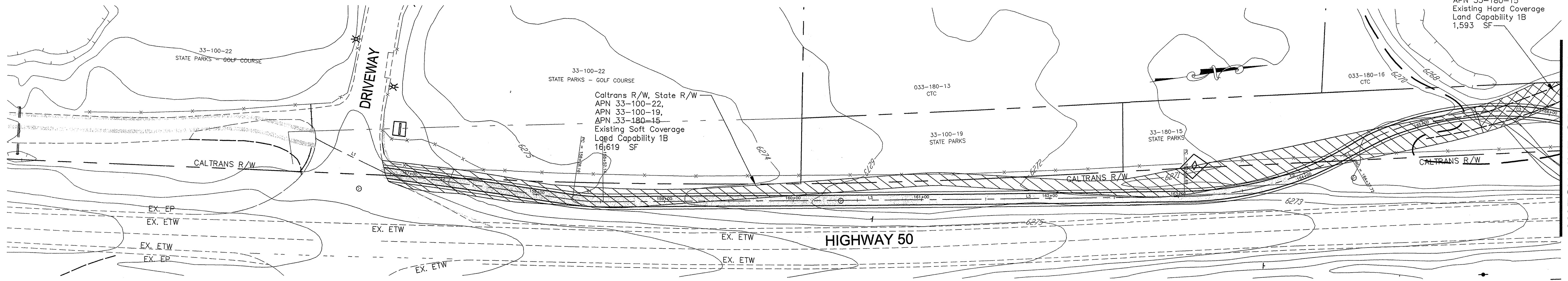
SAWMILL 1B BIKE PATH PROJECT
REVEGETATION PLAN

SHEET
R-02
17 OF 28
W.O. No. **95148**

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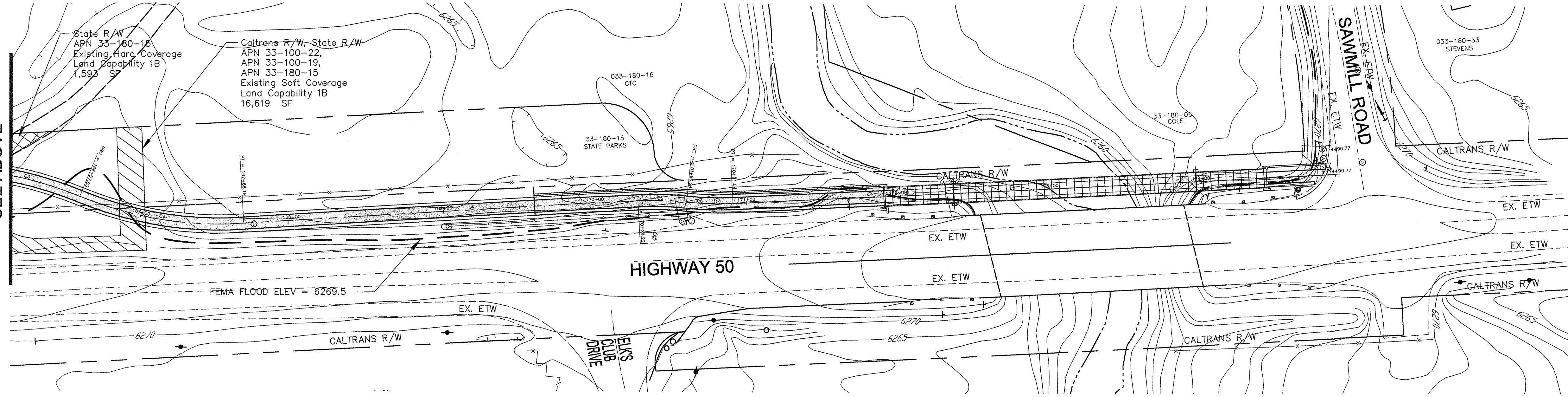
DISTRICT	COUNTY	ROUTE	MILE POST TOTAL PROJECT
3	ED	50	72.1

State R/W
 APN 33-180-15
 Existing Hard Coverage
 Land Capability 1B
 1,593 SF



MATCH LINE: STA 166+00
SEE BELOW

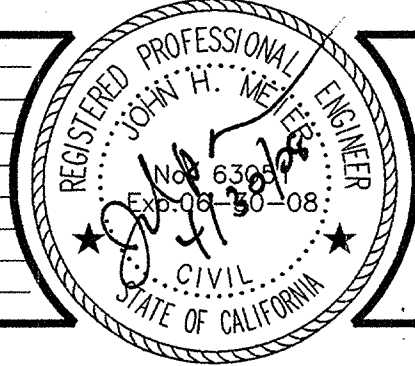
MATCH LINE: STA 166+00
SEE ABOVE



	Sawmill 1A				Sawmill 1B		Combined	
	1b		5		1b		1b	
	Hard SF	Soft SF	Hard SF	Soft SF	Hard SF	Soft SF	Hard SF	Soft SF
Allowable	2,975		65,231		523		3,498	0
Existing	50,529	14,303	6,129	13,510	1,593	16,619	52,122	30,922
Proposed	23,020	0	25,312	0	12,539	0	35,559	0
Coverage Relocation	23,020	0	25,312	0	1,593	0	24,613	0
Banked Coverage	27,509	14,303	-19,183	13,510	0	16,619	27,509	30,922
Permanently Retired Coverage	41,812				16,619		58,431	
Retired Coverage Ratio is	1.82 :1				1.33 :1		1.64 :1	
Project Area	297,515		260,924		52,294		349,809	

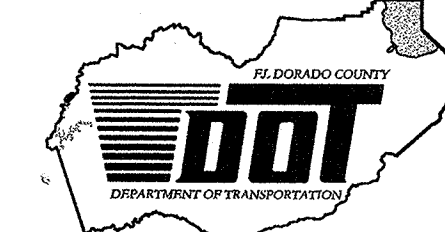
SCALE : (H) 1" = 40'

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF :
 REGISTERED CIVIL ENGINEER
 DATE:

DESIGNED: JHM
 DRAWN: AEK
 CHECKED: DATE: MAR 2008
 ROAD NUMBER: US 50



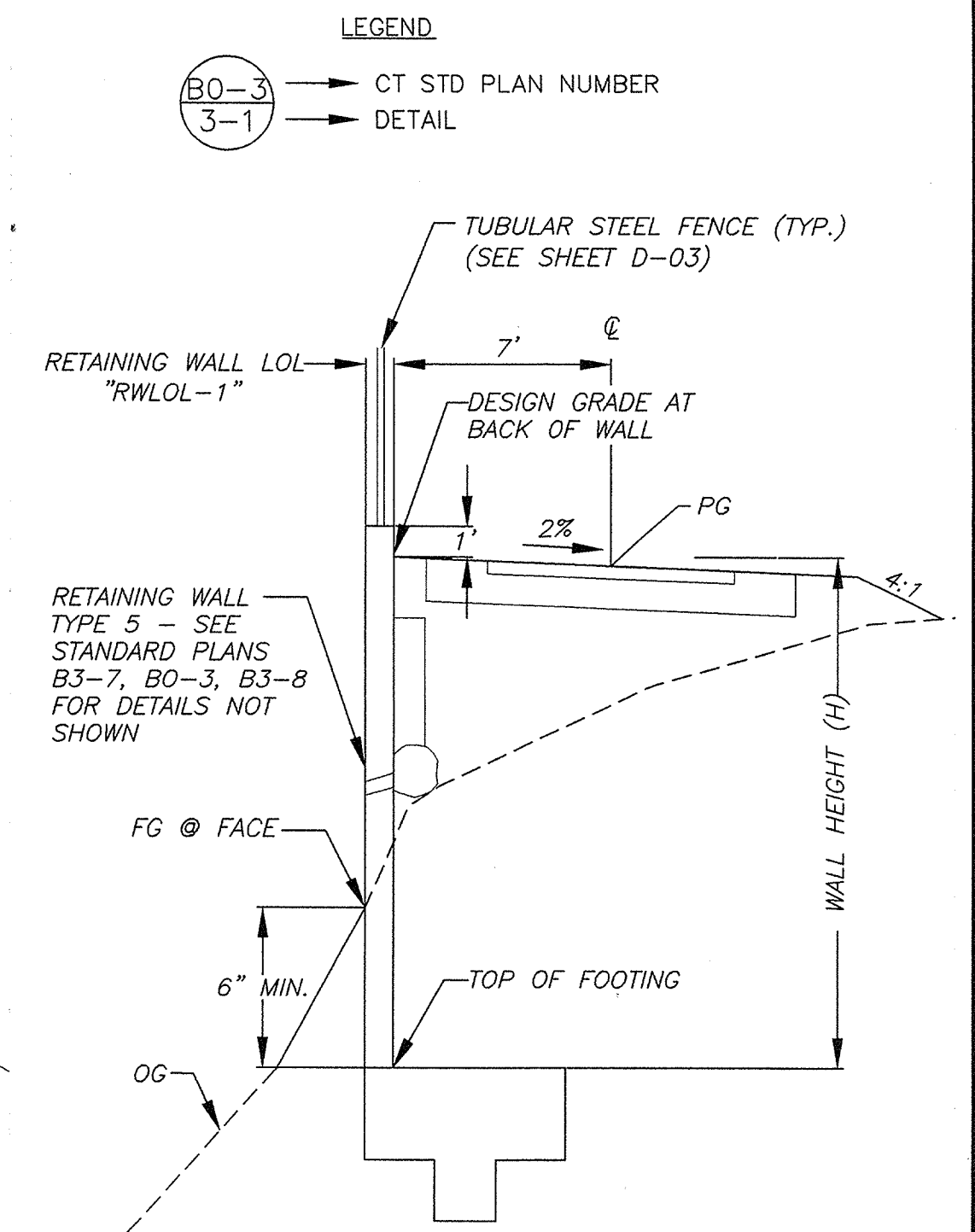
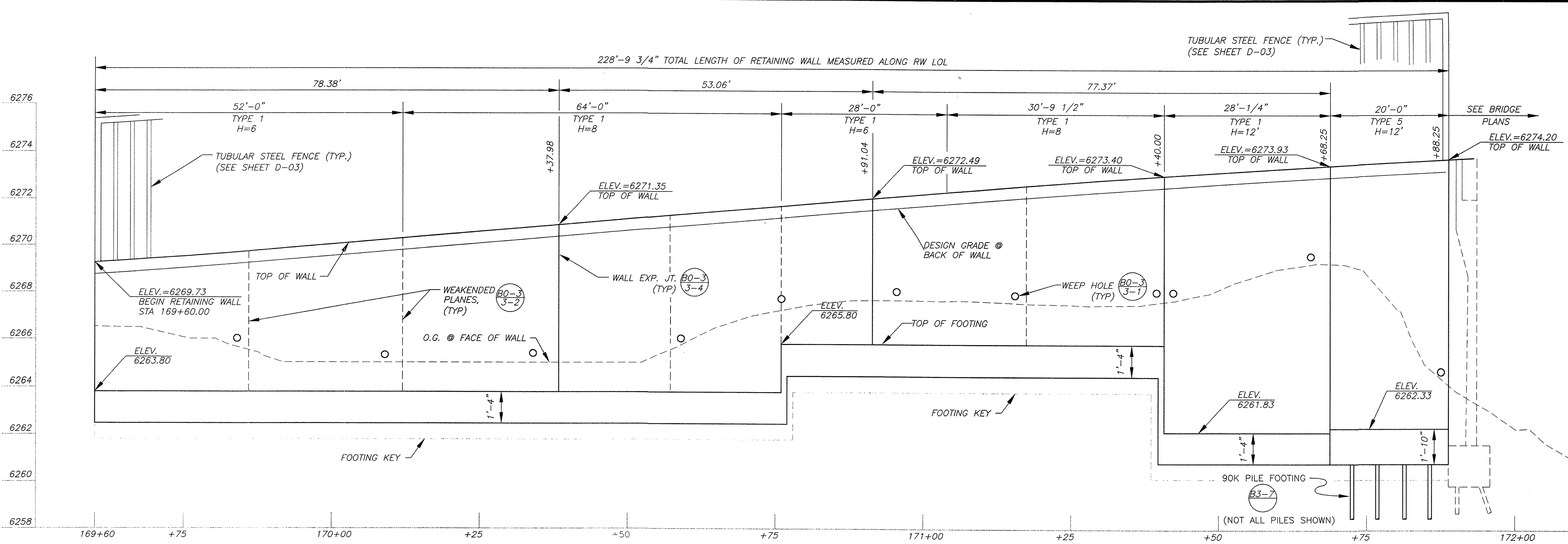
EL DORADO COUNTY
 DEPARTMENT OF TRANSPORTATION
 TAHOE ENGINEERING DIVISION

SAWMILL 1B BIKE PATH PROJECT
 LAND COVERAGE MAP

SHEET
 L-01
 18 OF 28
 W.O. No. 95148

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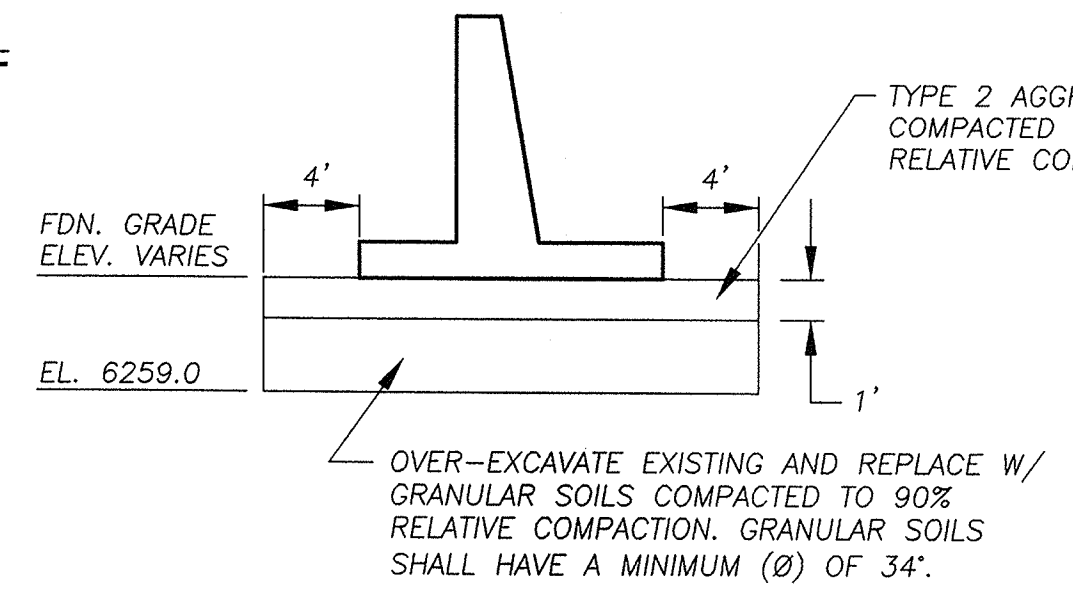
DISTRICT	COUNTY	ROUTE	MILE POST TOTAL PROJECT
3	ED	50	72.1



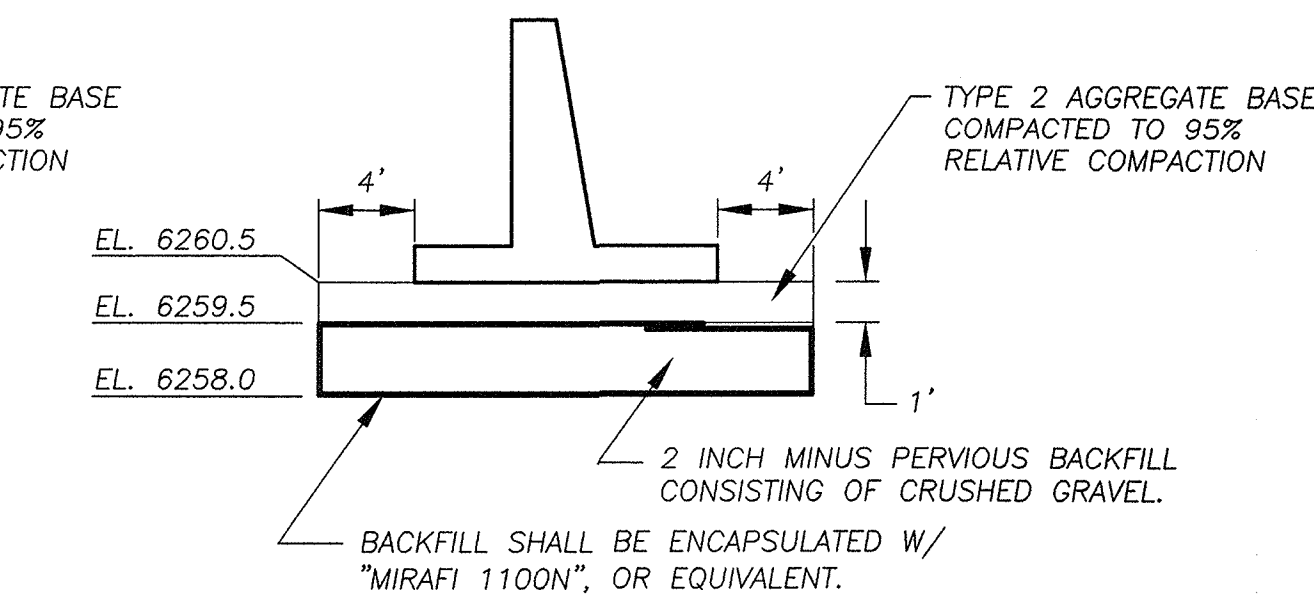
!! WARNING !!
 THE LOCATION AND/OR ELEVATION OF EXISTING UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE ONLY APPROXIMATE. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF ALL EXISTING UNDERGROUND UTILITIES.

- NOTE:
- FOR TREE REMOVAL SEE P-03 AND P-04.
 - TOP OF WALL ELEVATION CONTROLLED BY PG ON BIKE PATH CL.
 - SEE SPECIAL PROVISION FOR DE-WATERING FOR CONSTRUCTION OF RW.

ELEVATION
 SCALE: HORIZ 1"=10'
 VERT 1"=2.5'



FOUNDATION GRADE SOILS DETAIL
 STATION 169+60 TO 171+40
 SCALE: NOT TO SCALE



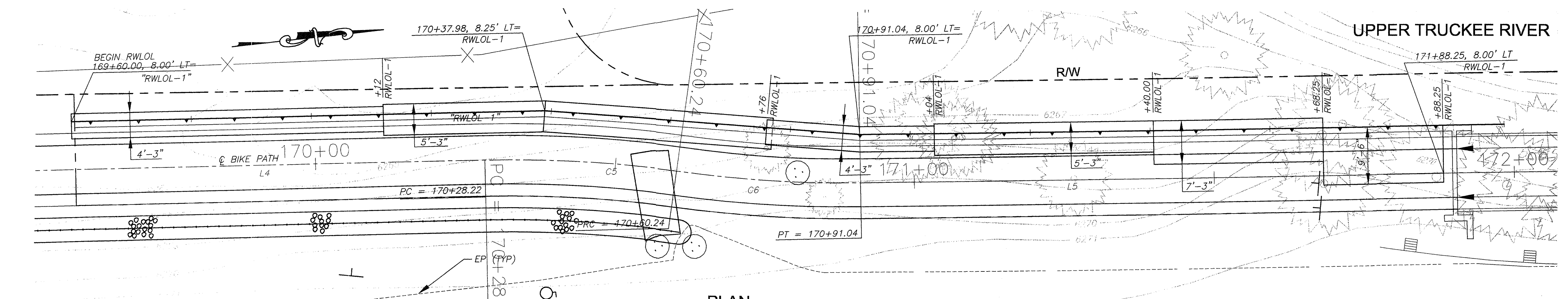
FOUNDATION GRADE SOILS DETAIL
 STATION 171+40 TO 171+88.25 AND 174+45.25 TO 174+82.00
 SCALE: NOT TO SCALE

LINE TABLE

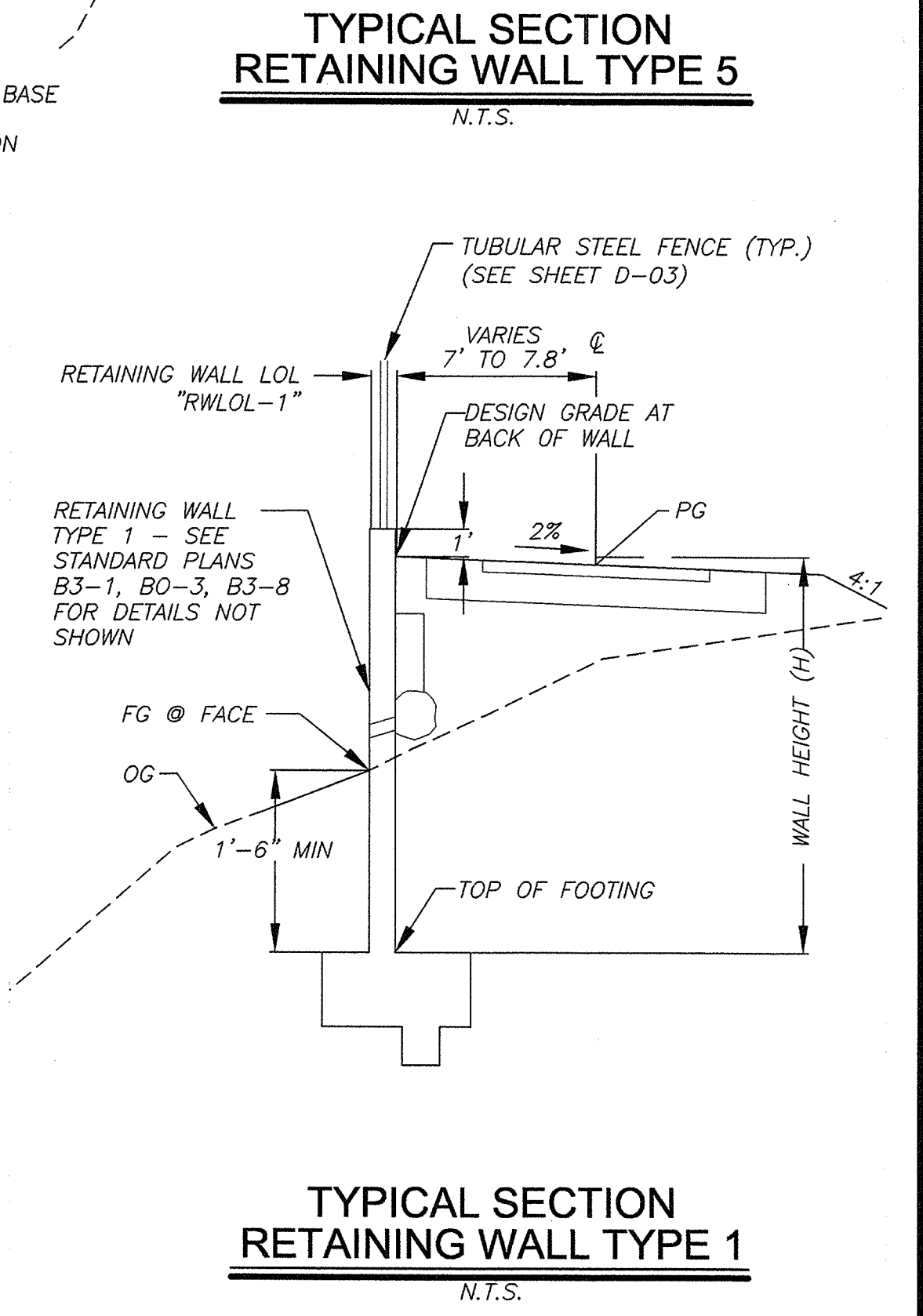
STATION	STATION	LINE	LENGTH	BEARING
168+68.19	170+28.22	L4	260.03	N05°00'36"E
170+91.04	174+90.77	L5	399.73	N05°21'35"E

CURVE TABLE

STATION	STATION	CURVE	RADIUS	DELTA	LENGTH	TANGENT
170+28.22	170+60.27	C5	200.00	9°10'23"	32.02	16.04
170+60.24	170+91.04	C6	200.00	8°49'24"	30.80	15.43



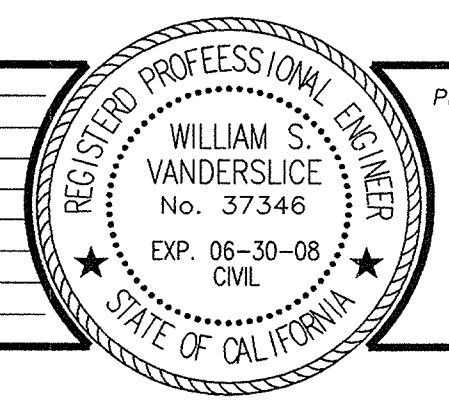
PLAN
 SCALE: 1"=10'



TYPICAL SECTION RETAINING WALL TYPE 1
 N.T.S.

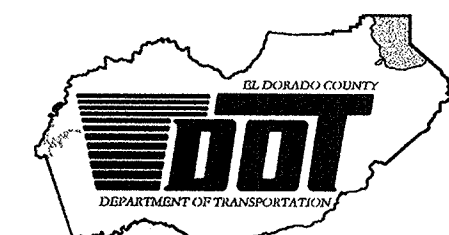
THIS PLAN IS ACCURATE FOR
 RETAINING WALL ONLY

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
 WILLIAM S. VANDERSLUIS
 No. 37346
 EXP. 06-30-08
 CIVIL
 REGISTERED CIVIL ENGINEER
 DATE: 9-29-08

DESIGNED: JHM
 DRAWN: BLG
 CHECKED: DATE: MAR 2008
 ROAD NUMBER: US 50



EL DORADO COUNTY
 DEPARTMENT OF TRANSPORTATION
 TAHOE ENGINEERING DIVISION

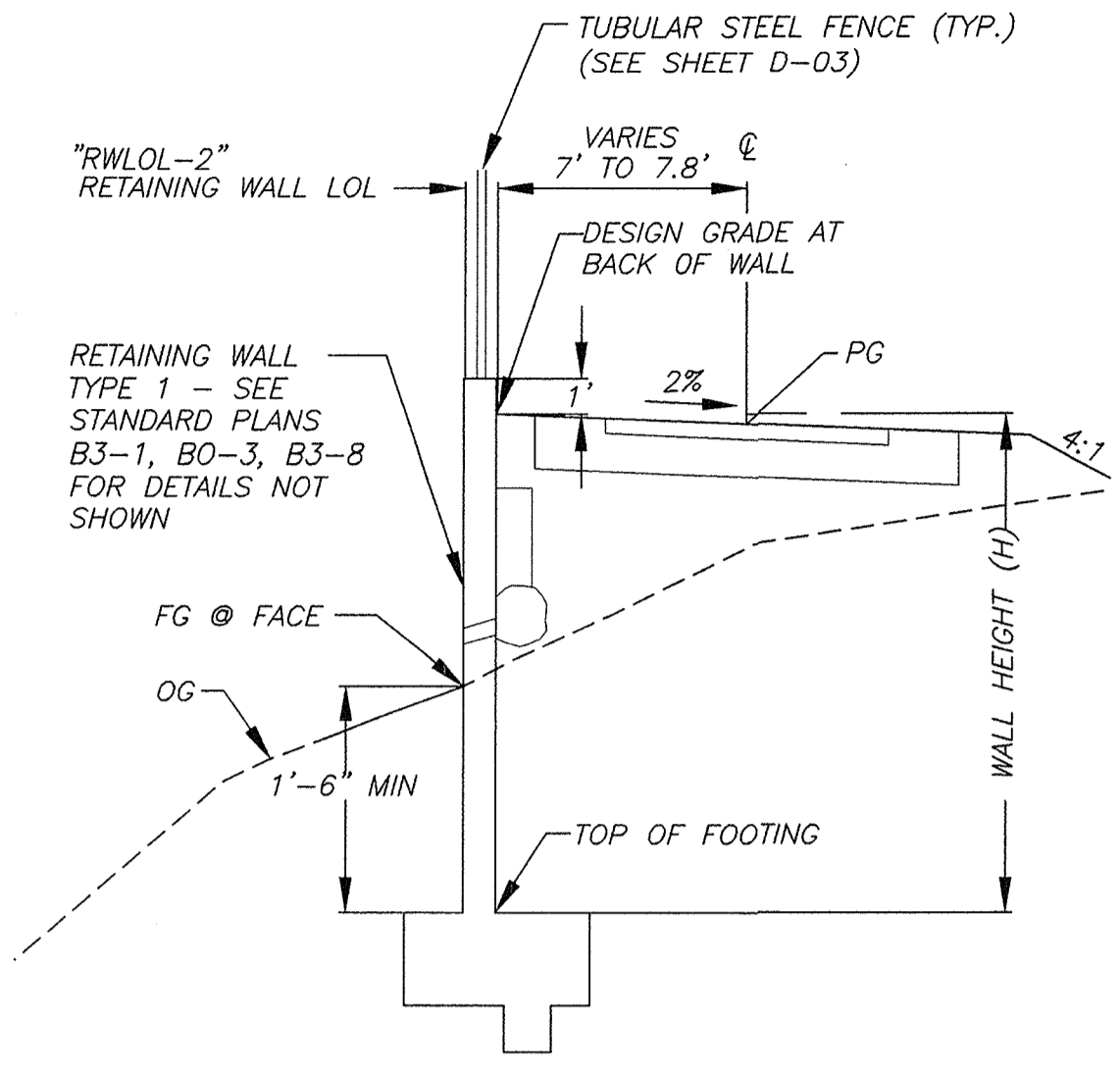
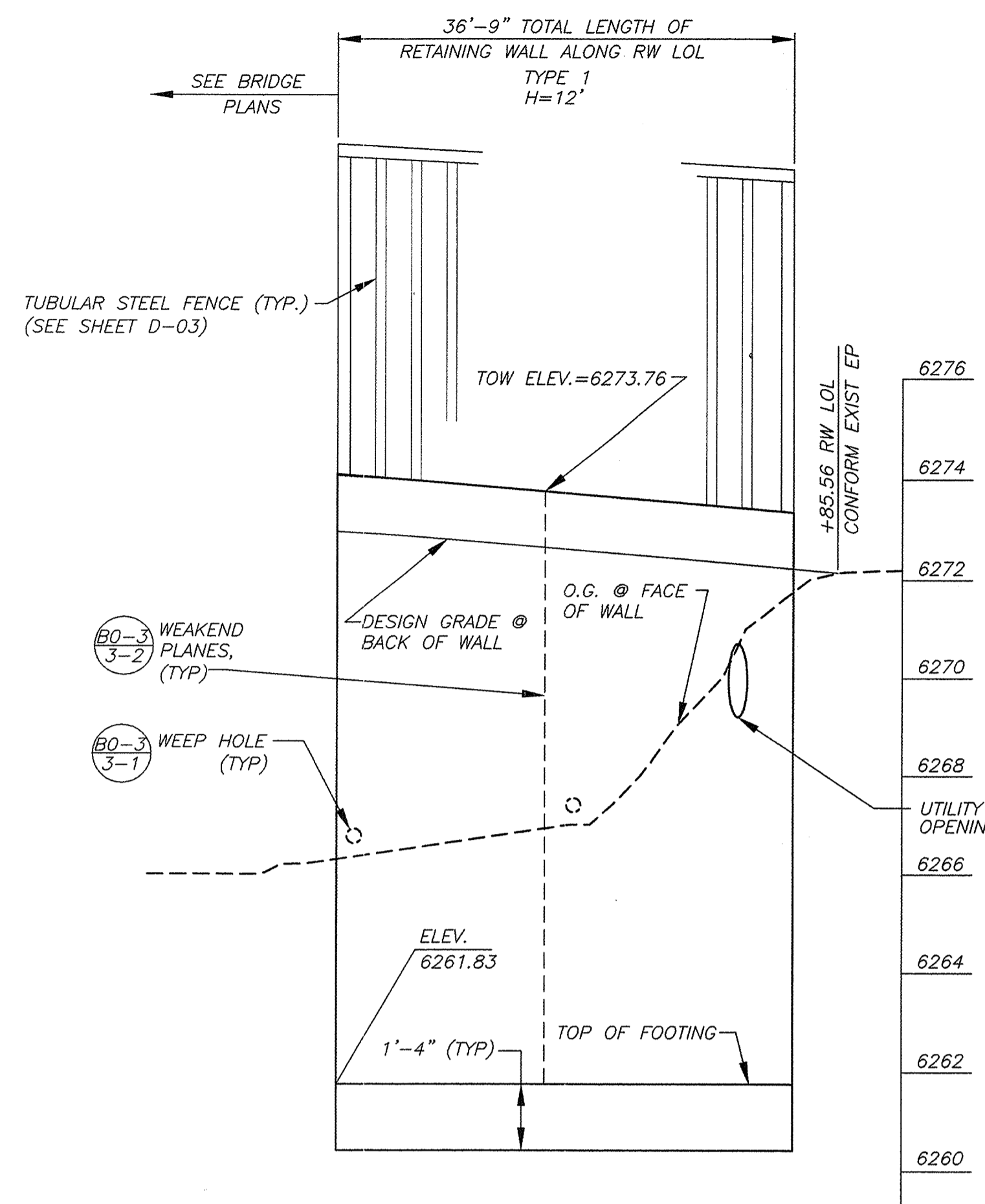
SAWMILL 1B BIKE PATH PROJECT
 RETAINING WALL NO. 1

SHEET
 RW-01
 19 OF 28
 W.O. No. 95148

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DISTRICT	COUNTY	ROUTE	MILE POST TOTAL PROJECT
3	ED	50	72.1

LEGEND
 (B0-3) → CT STD PLAN B-03
 (3-1) → DETAIL



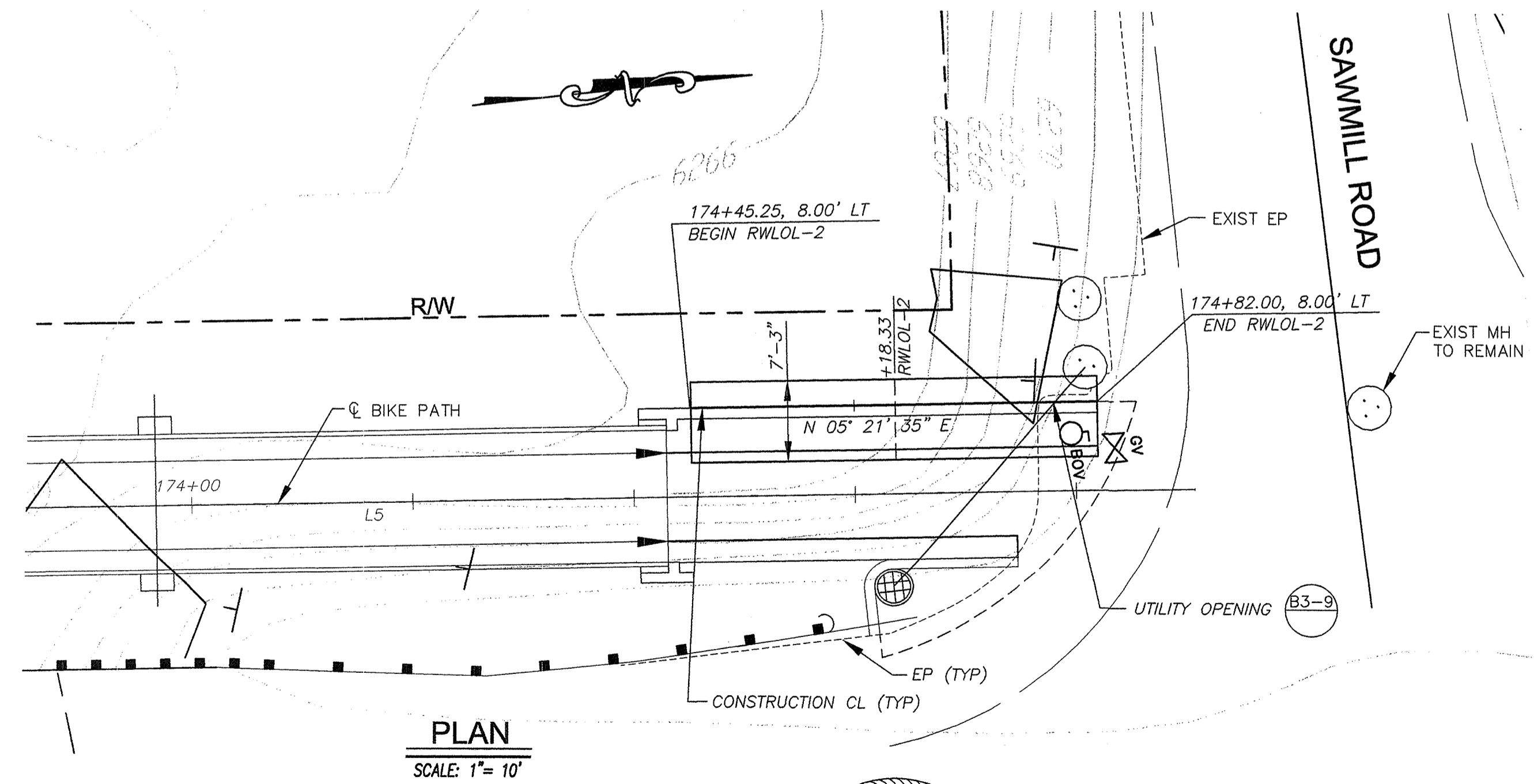
TYPICAL SECTION RETAINING WALL TYPE 1
 N.T.S.

- NOTE:
- FOR TREE REMOVAL SEE P-03 TO P-04.
 - SEE SPECIAL PROVISION FOR DE-WATERING FOR CONSTRUCTION OF RW.
 - SEE FOUNDATION GRADE SOILS DETAIL - SHEET RW-01.

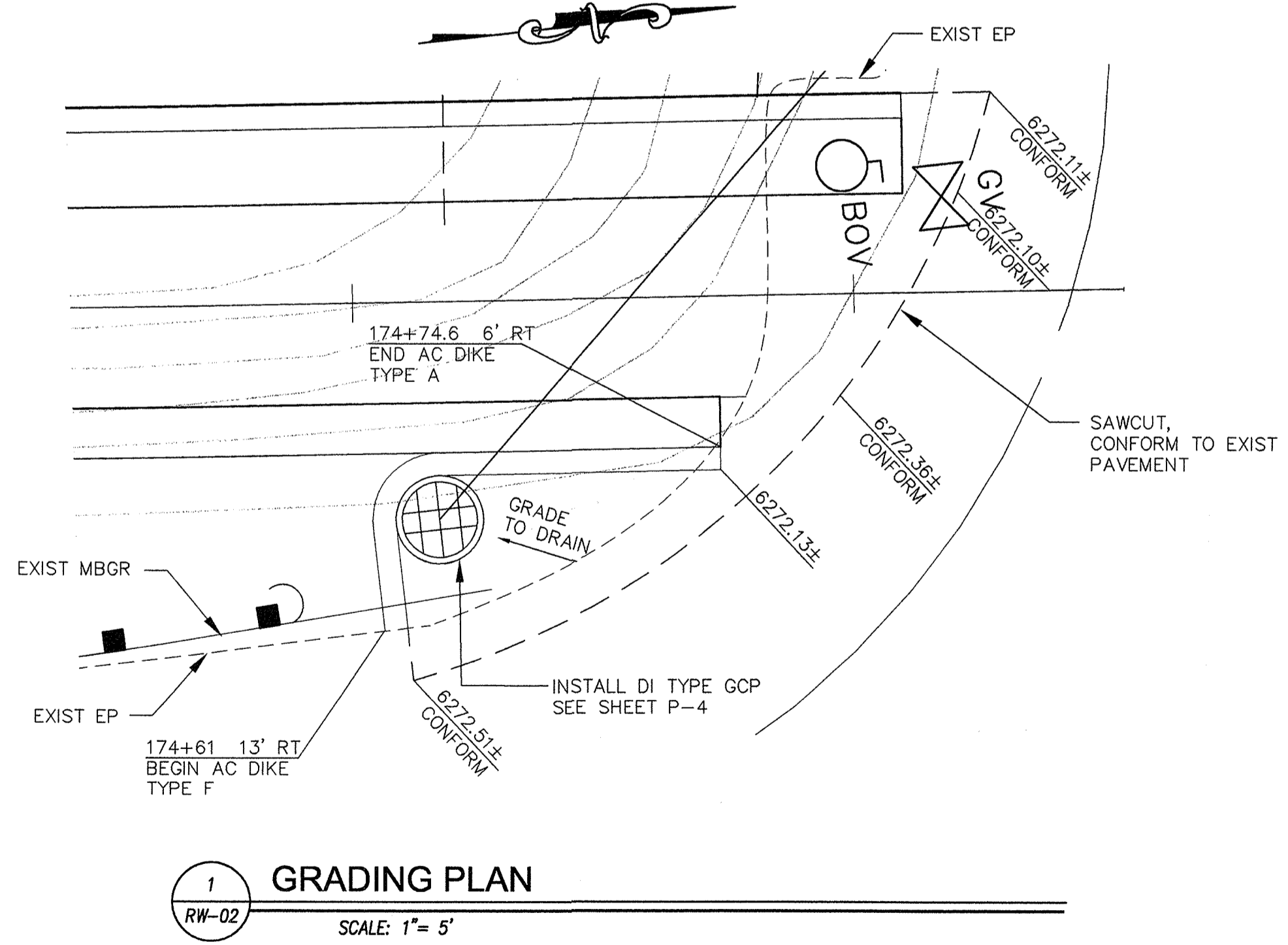
!! WARNING !!
 THE LOCATION AND/OR ELEVATION OF EXISTING UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE ONLY APPROXIMATE. CONTRACTOR TO VERIFY LOCATION AND ELEVATION OF ALL EXISTING UNDERGROUND UTILITIES.

ELEVATION
 SCALE: HORIZ 1"= 10'
 VERT 1"= 2.5'

LINE TABLE				
STATION	STATION	LINE	LENGTH	BEARING
170+91.04	174+90.77	L5	399.73	N05°21'35"E



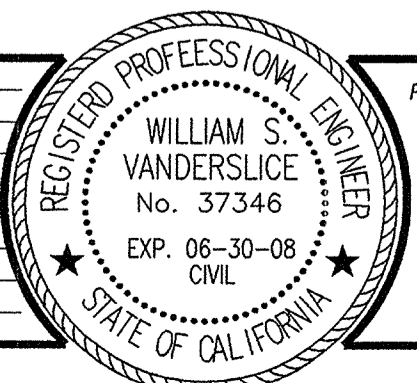
PLAN
 SCALE: 1"= 10'



1 GRADING PLAN
 SCALE: 1"= 5'

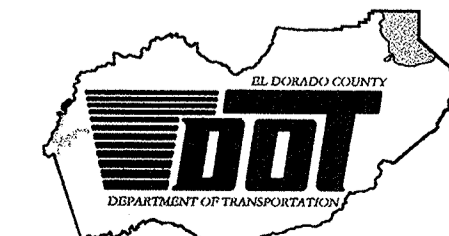
THIS PLAN IS ACCURATE FOR
 RETAINING WALL ONLY

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
William S. Vanderslice
 REGISTERED CIVIL ENGINEER
 DATE: 4-29-08

DESIGNED: WSV
 DRAWN: AEK
 CHECKED: DATE: MAR 2008
 ROAD NUMBER: US 50



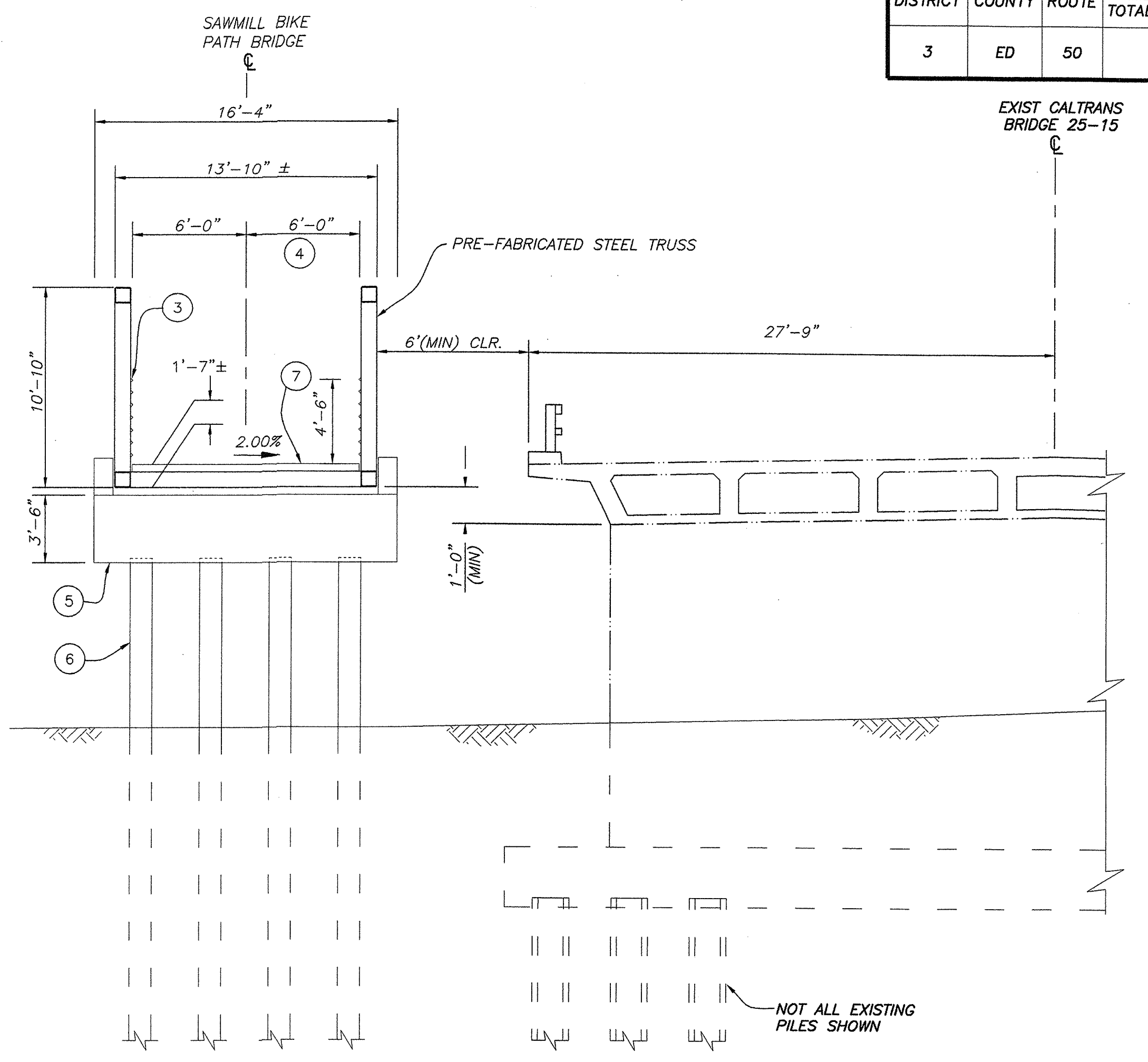
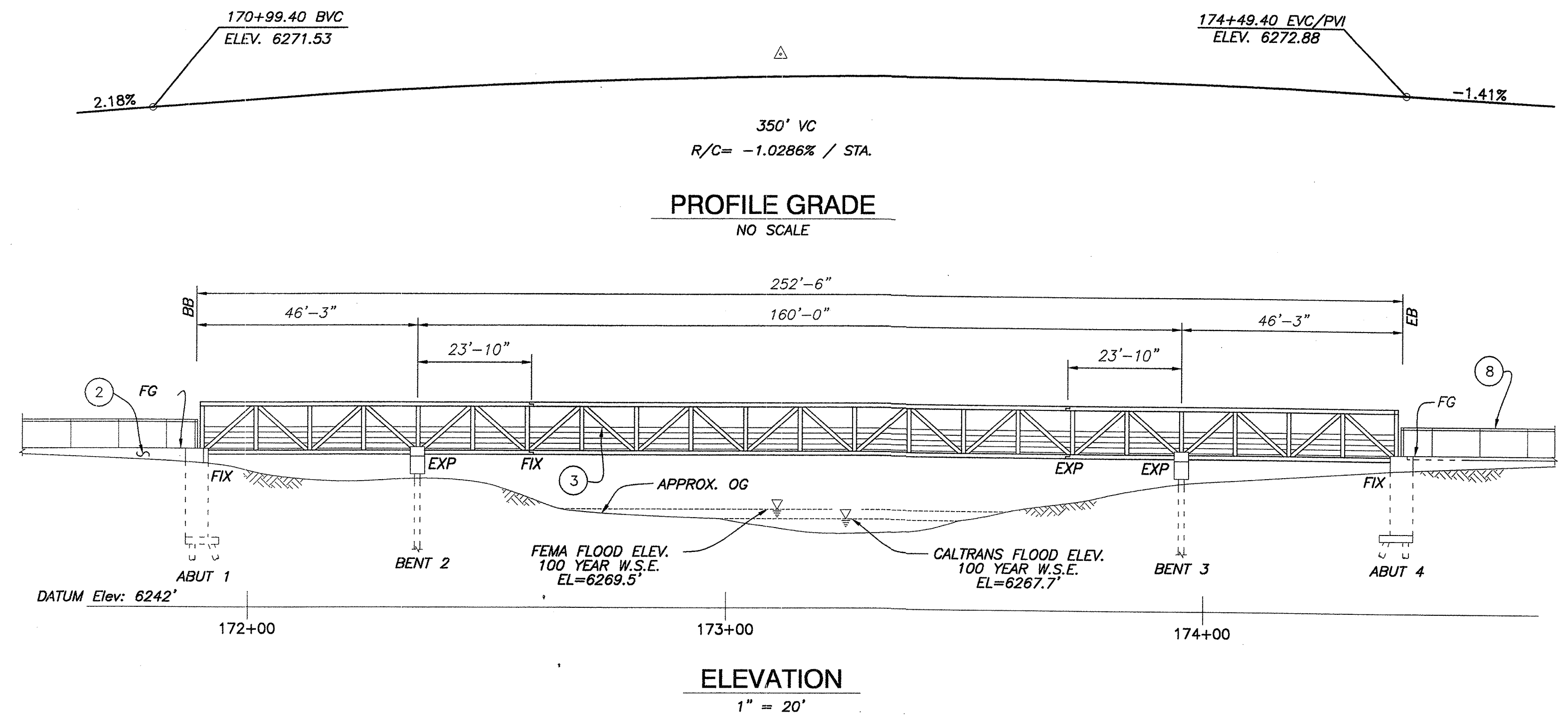
EL DORADO COUNTY
 DEPARTMENT OF TRANSPORTATION
 TAHOE ENGINEERING DIVISION

SAWMILL 1B BIKE PATH PROJECT
 RETAINING WALL NO. 2

SHEET
RW-02
 20 OF 28
 W.O. No. 95148

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DISTRICT	COUNTY	ROUTE	MILE POST TOTAL PROJECT
3	ED	50	72.1



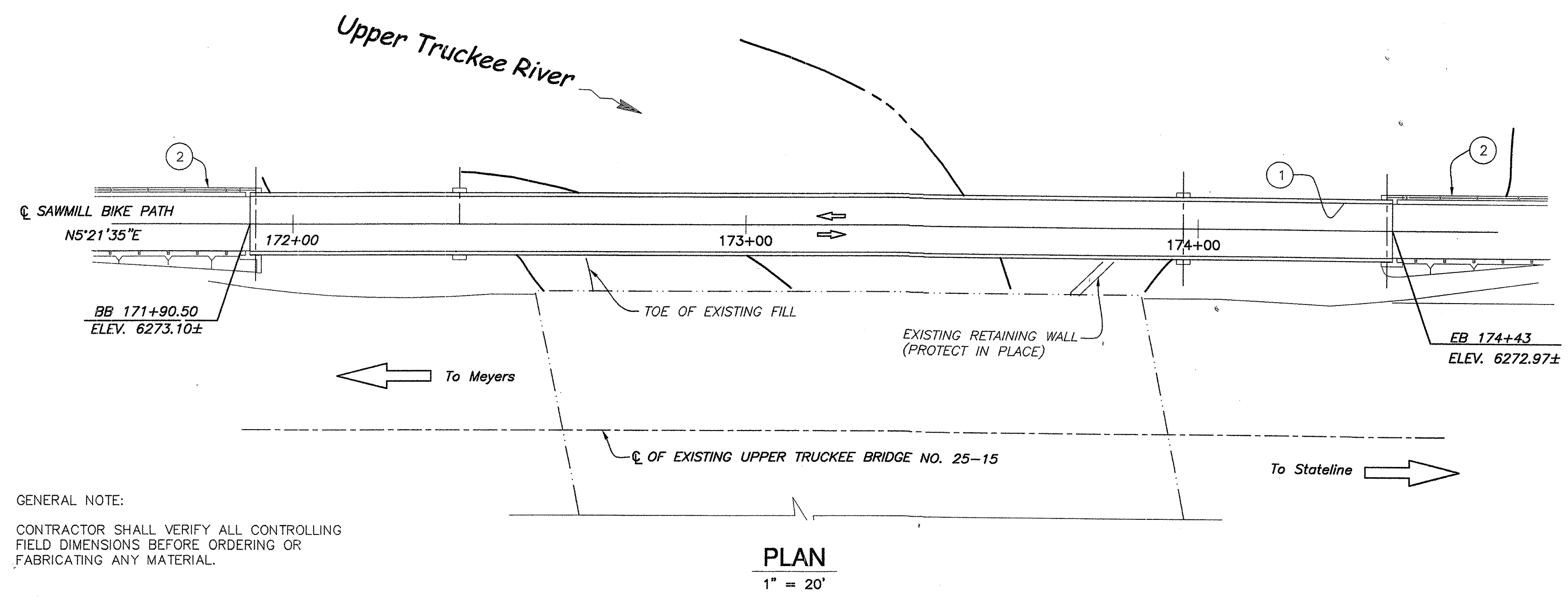
TYPICAL SECTION
3/16" = 1'-0"

- NOTES:**
- 1 PAINT "BR. NO. XX-XX"
 - 2 RETAINING WALL STRUCTURE APPROACH
 - 3 ANGLE SAFETY RAIL
 - 4 BIKE/PEDESTRIAN PATH
 - 5 CONCRETE BENT CAP
 - 6 PRECAST PRESTRESSED PILES
 - 7 CONCRETE DECK
 - 8 CHAIN LINK RAILING

LEGEND:
--- INDICATES EXISTING STRUCTURE

INDEX TO PLAN

SHEET NO.	TITLE
B-01	GENERAL PLAN
B-02	INDEX TO PLAN
B-03	FOUNDATION PLAN
B-04	ABUTMENT 1 LAYOUT
B-05	ABUTMENT 4 LAYOUT
B-06	ABUTMENT DETAILS
B-07	BENT DETAILS
B-08	LOG OF TEST BORINGS

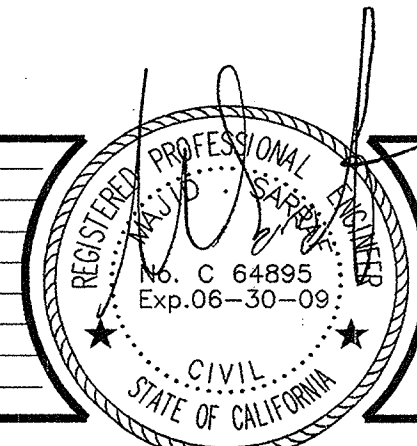


PLAN
1" = 20'

GENERAL NOTE:
CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

SCALE : AS SHOWN

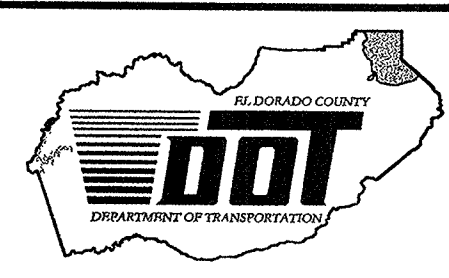
REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
M. SARRAF
REGISTERED CIVIL ENGINEER

DESIGNED: **M. SARRAF**
DRAWN: **A. KAYDEN**
CHECKED: **A. KAYDEN**
DATE: **SEP 2007**

ROAD NUMBER: **US 50**



EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION
TAHOE ENGINEERING DIVISION

SAWMILL 1B BIKE PATH PROJECT
BRIDGE GENERAL PLAN

SHEET
B-01
21 OF 28
W.O. No. **95148**

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DISTRICT	COUNTY	ROUTE	MILE POST TOTAL PROJECT
3	ED	50	72.1

General Notes— Pedestrian Bridge:

- Contractor shall verify all controlling field dimensions before ordering or fabricating any material.
- A pre-fabricated 3-span truss bridge as shown on the plans shall be designed in accordance with the design loads and specifications listed here. Double-cantilever construction with a drop-in span, or 3-span continuous construction are both acceptable alternatives. Slip critical high-strength bolts, or fillet welds performed in horizontal position in easily accessible and inspectable locations are acceptable for field splicing and connections of the truss members and components.
- Contractor shall be responsible for developing construction details for the structure and shall have the approval of the engineer of record for the path and substructure prior to ordering and fabrication of any material.
- Bearings and attachment of the superstructure to the abutments and bent caps shall be designed and detailed to be compatible with the substructure design, and review and approval of engineer of record for the path and substructure.
- Contractor advised to consider proximity of bent foundations to existing highway bridge abutments. Any damage caused by contractor's operation will be contractor's responsibility to remedy.

Design Specifications:

- Caltrans Bridge Design Specifications, ASD 2000, except as noted.
- Caltrans Seismic Design Criteria
- AASHTO Guide Specifications for Design of Pedestrian Bridges, except as noted.

Design Loads:

- Dead Loads including structural members, attachments, and Min. deck of unit weight of 46 psf
- Pedestrian Loads = 85 psf
- Horizontal Wind Load = 75 psf
- Vertical Wind Load = 20 psf (At quarter point)
- Seismic spectral acceleration curve based on 0.4 (g) peak rock acceleration, soil type D and Mw= 7.25

Special Design Loads and Combinations:

- Except as noted, vehicle loading may not be included for superstructure and substructure design. Vehicle loads may be permitted through testing of such material and approval by a licensed engineer.
- Total Vehicle Load = 11,120 Lbs, and wheel load = 2,840 lbs (Corresponding to Bobcat S300) considered for the foundation and support beams.
- AASHTO H-10 Loading is NOT considered.
- Snow Loads = 162 psf (El Dorado County Building Officials), Load Combinations: 100% Snow + 100% Dead
Load Combinations: 50% Snow + 100% Bobcat +100% Dead

Materials:

- Concrete
 - o Abutment wall and bent cap: Normal-weight, $f'c = 3,600$ psi
 - o Superstructure deck: Light weight concrete 110 pcf, $f'c = 3,600$ psi
- Reinforcing Steel: ASTM A 706, Grade 60, $f_y = 60,000$ psi
- Corrugated Steel Stay-In-Place Form Deck (Verco PLN and NFORMLOK) 7.25" with Galvanized A 653 -SS Grade 60, min $f_y = 38$ ksi
- Anchor Rods: ASTM A307, Galvanized Threaded bars

Foundation Pile Data:

15-in Precast Prestressed Piles: Class 45 and Class 70 per B2-5 of Caltrans Standard Plans, Alternative "Y"

PILE DATA TABLE

LOCATION	PILE TYPE	DESIGN LOADING (TONS)	NOMINAL RESISTANCE COMPRESSION (Kips)	TENSION (Kips)	CUT-OFF ELEVATION (FT)	DESIGN TIP ELEVATION (FT)	SPECIFIED TIP ELEVATION (FT)
ABUT #1	15-in Precast Prestressed	45	180	0	6260.13	6228(1) 6240(2)	6225
BENT #2	15-in Precast Prestressed	70	280	66	6268.80	6231(1) 6242(2) 6235(3)	6228
BENT #3	15-in Precast Prestressed	70	280	66	6268.72	6232(1) 6243(2) 6236(3)	6229
ABUT #4	15-in Precast Prestressed	45	180	0	6263.00	6231(1) 6243(2)	6228

Note:
1.Design Tip Elevation based on the following Load condition: (1) Compression, (2) Lateral, and (3) Tension. See Geotechnical Report for pile data

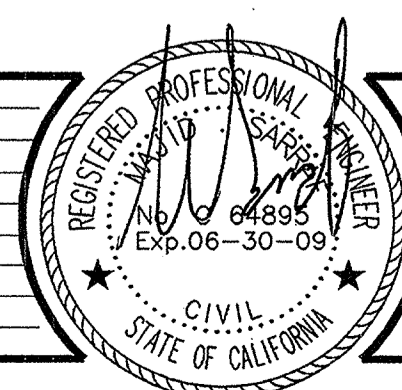
BRIDGE SUPPORT REACTIONS

LOCATION	DEAD (Kips)	LIVE (Kips)	EARTHQUAKE TRANS. (Kips)	EARTHQUAKE LONG. (Kips)	WIND (Kips)
ABUT #1	-7.4	63.2 (Max) -86.6 (Min)	68.8	94.7	7.11
BENT #2	168.6	322.6 (Max) 168.6 (Min)	55.0	0	32.4
BENT #3	168.6	322.6 (Max) 168.6 (Min)	55.0	0	32.4
ABUT #4	-7.4	63.2 (Max) -86.6 (Min)	68.8	94.7	7.11

Note:
1. Reactions are due to service-level loading
2. Live load reactions due to snow load and maintenance vehicle load

INDEX TO PLAN

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
M. SARRAF
REGISTERED CIVIL ENGINEER
DATE:

DESIGNED: **M. SARRAF**
DRAWN: **A. KAYDEN**
CHECKED: **A. KAYDEN**
DATE: **SEP 2007**
ROAD NUMBER: **US 50**



EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION
TAHOE ENGINEERING DIVISION

SAWMILL 1B BIKE PATH PROJECT
BRIDGE INDEX TO PLAN

SHEET
B-02
22 OF 28
W.O. No. **95148**

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DISTRICT	COUNTY	ROUTE	MILE POST TOTAL PROJECT
3	ED	50	72.1

HYDROLOGIC SUMMARY
DRAINAGE AREA: 54 SQUARE MILES

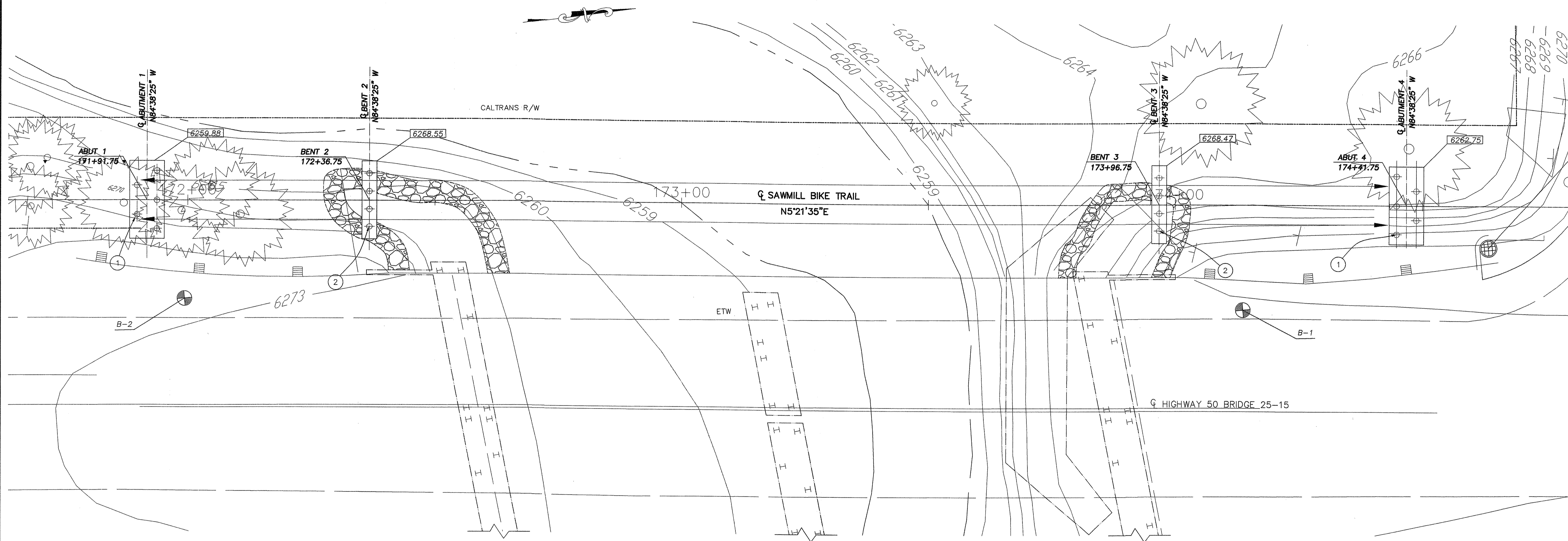
FREQUENCY (YEARS)	DESIGN FLOOD	BASE FLOOD
50	5,565	100
DISCHARGE (CUBIC FEET PER SECOND)	4,565	5,677
WATER SURFACE (ELEVATION AT BRIDGE)	6,266.4	6,267.3

FLOOD PLAIN DATA ARE BASED UPON INFORMATION AVAILABLE WHEN THE PLANS WERE PREPARED AND ARE SHOWN TO MEET FEDERAL REQUIREMENTS. THE ACCURACY OF SAID INFORMATION IS NOT WARRANTED BY THE STATE AND INTERESTED AND AFFECTED PARTIES SHOULD MAKE THEIR OWN INVESTIGATION.

FEB 1963 FLOOD OF RECORD = 2,550 CFS

MONUMENT PROJECT BENCH MARK

DH6451
3 INCH BRASS CAP (ELEVATION = 6276.20 FEET, NGVD 29) STAMPED "GOLF, CA DEPARTMENT OF TRANSPORTATION, CALIFORNIA SPATIAL REFERENCE CENTER, 2004" LOCATED NORTH OF THE ENTRANCE TO LAKE TAHOE GOLF COURSE, 4 FEET EAST OF WOODEN FENCE.



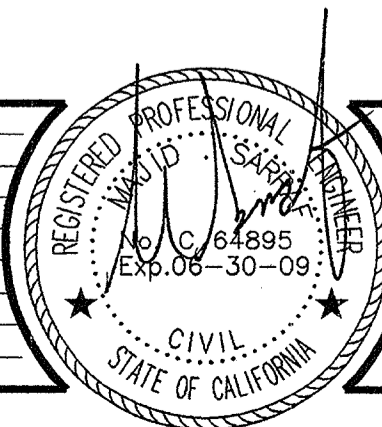
FOUNDATION PLAN
1" = 10'

GENERAL NOTE:
CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

- NOTES:
- ① CLASS 45 PER CALTRAN STANDARD PLAN B2-5
 - ② CLASS 70 PER CALTRAN STANDARD PLAN B2-5

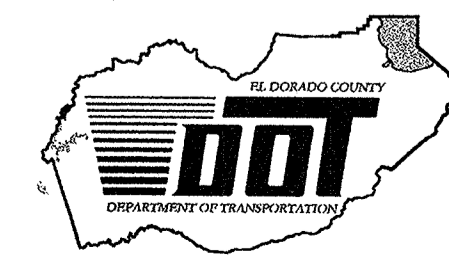
- LEGEND:
- 6265.00 ELEVATION OF THE SOFFIT OF THE PILE CAPS.
 - LOCATION OF TEST BOREHOLES (SEE SHEET B-8).
 - INDICATES EXISTING FOOTING.
 - NORMAL WATER SURFACE ELEVATION (6258').
 - EXTENT OF EXIST. RSP

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
M. SARRAF
REGISTERED CIVIL ENGINEER
DATE: _____

DESIGNED: **M. SARRAF**
DRAWN: **A. KAYDEN**
CHECKED: _____
DATE: **SEP 2007**
ROAD NUMBER: **US 50**

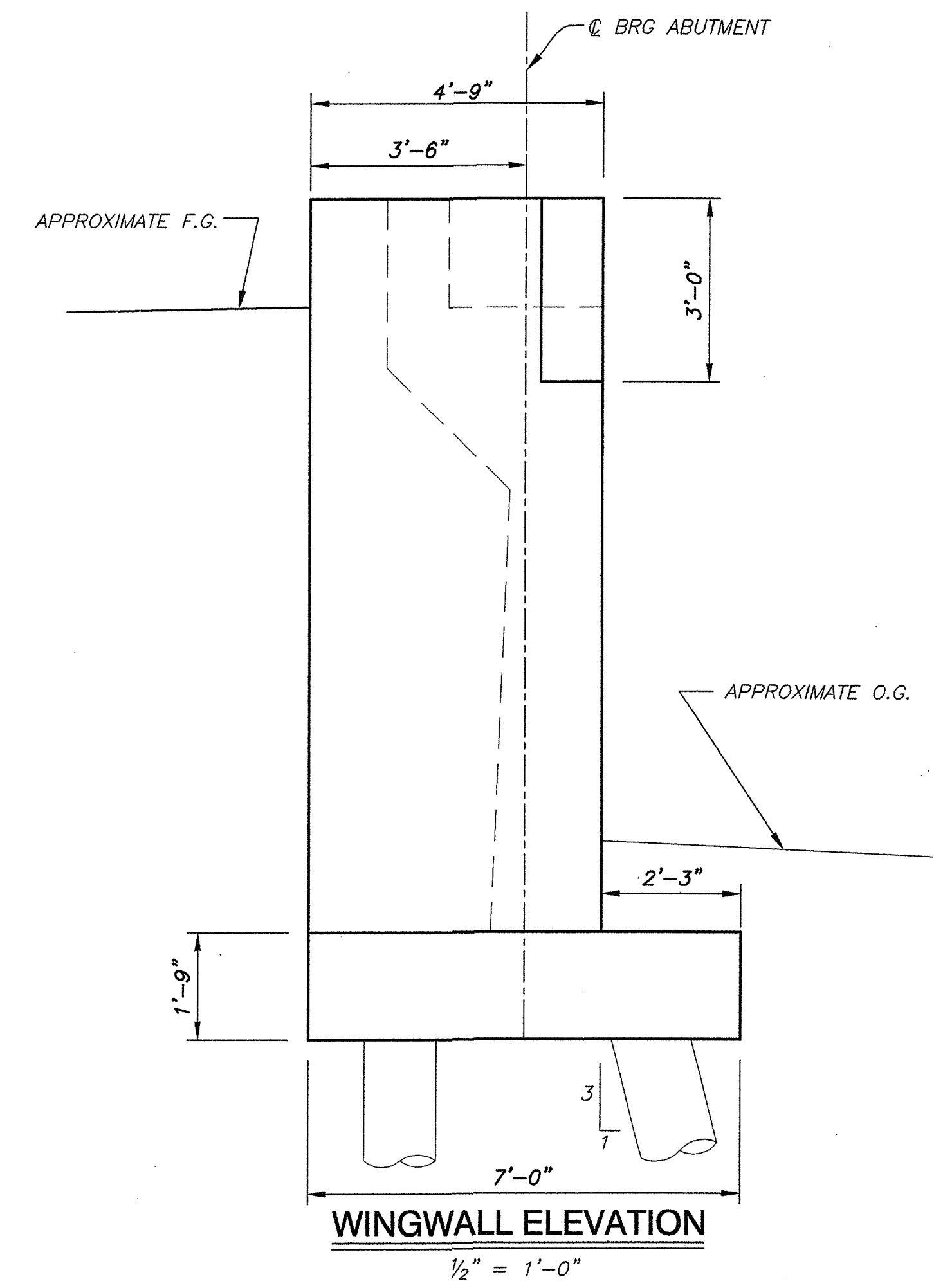
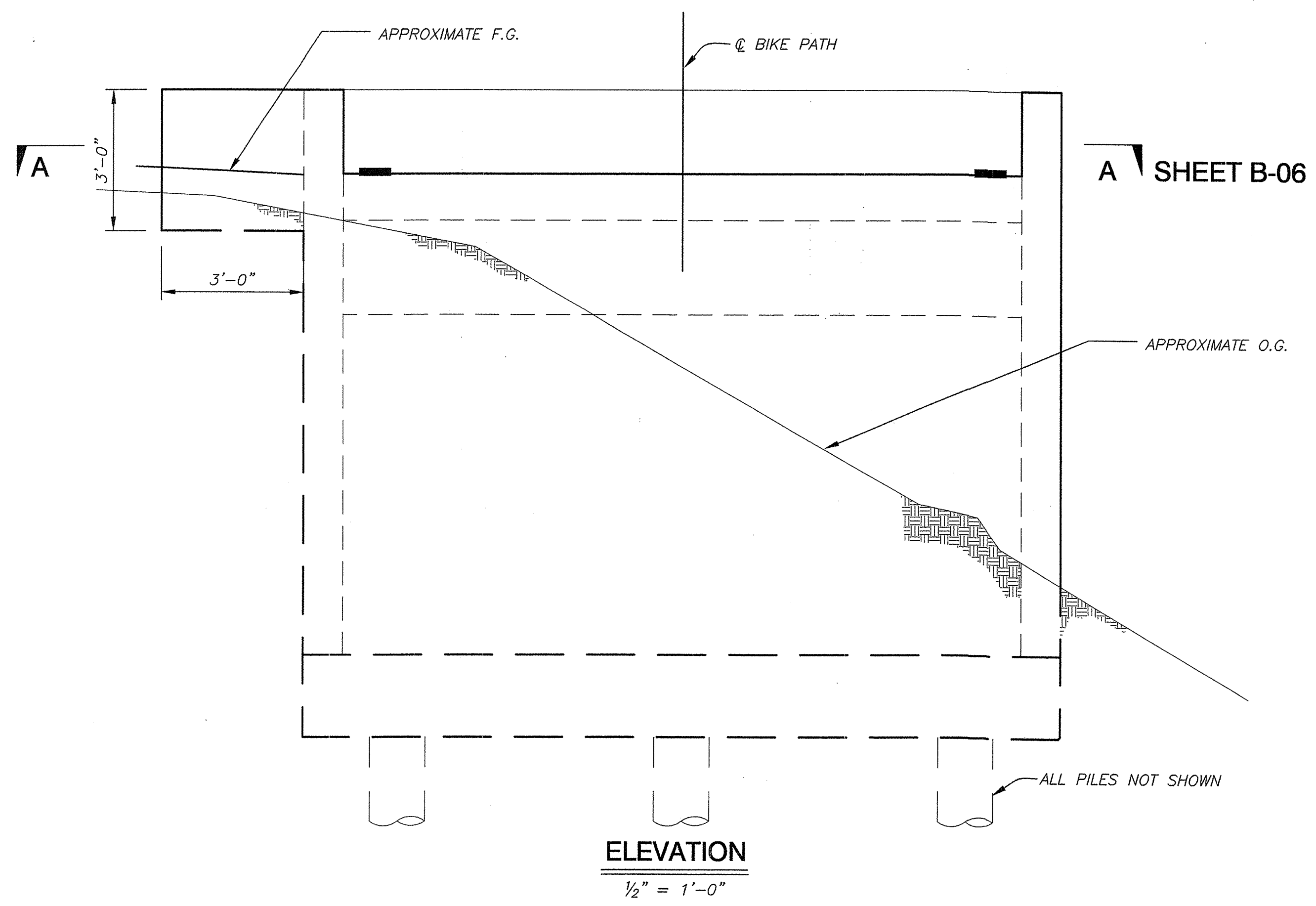
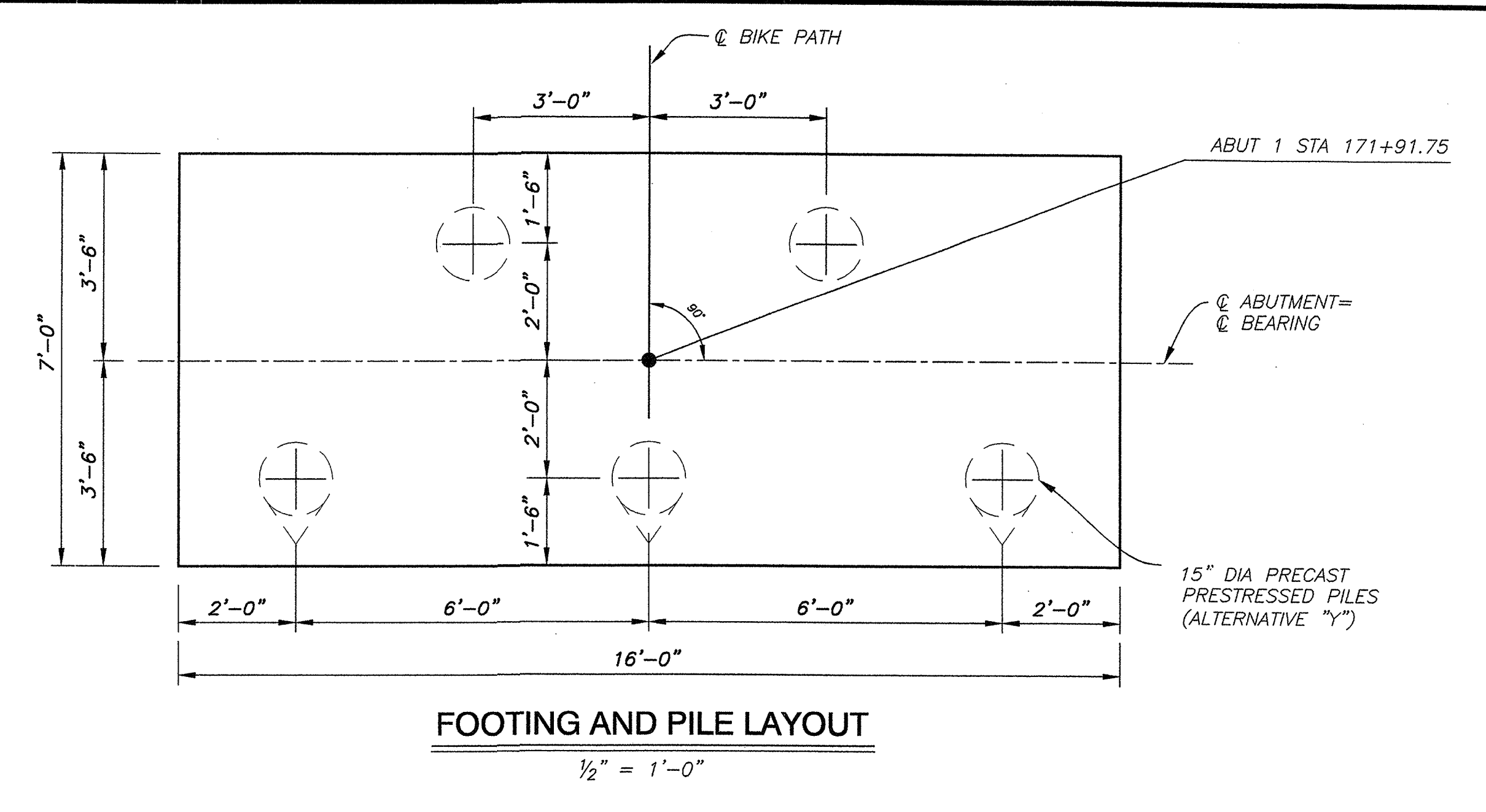
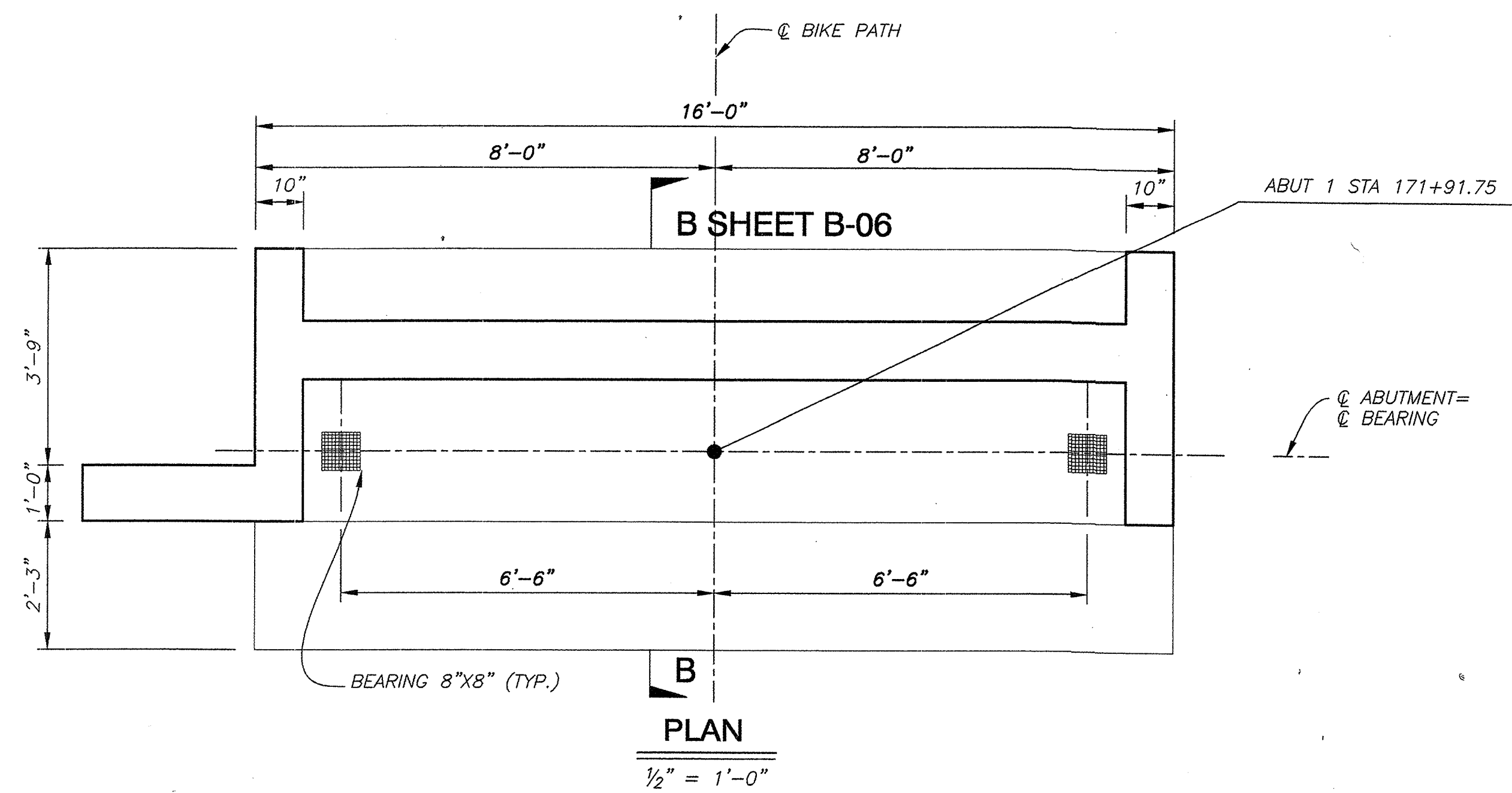


EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION
TAHOE ENGINEERING DIVISION

SAWMILL 1B BIKE PATH PROJECT
BRIDGE FOUNDATION PLAN

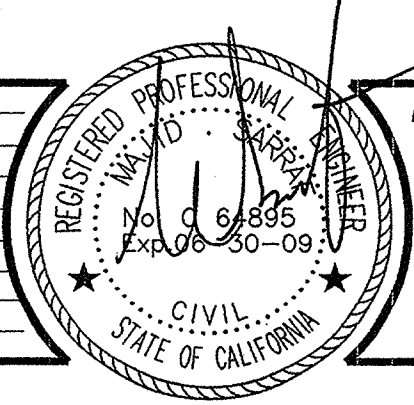
SHEET
B-03
23 OF 28
W.O. No. **95148**

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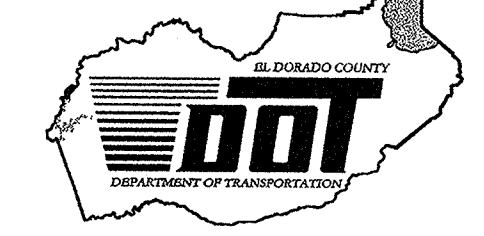
STRUCTURAL PLAN AS SHOWN

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
REGISTERED CIVIL ENGINEER
DATE: _____

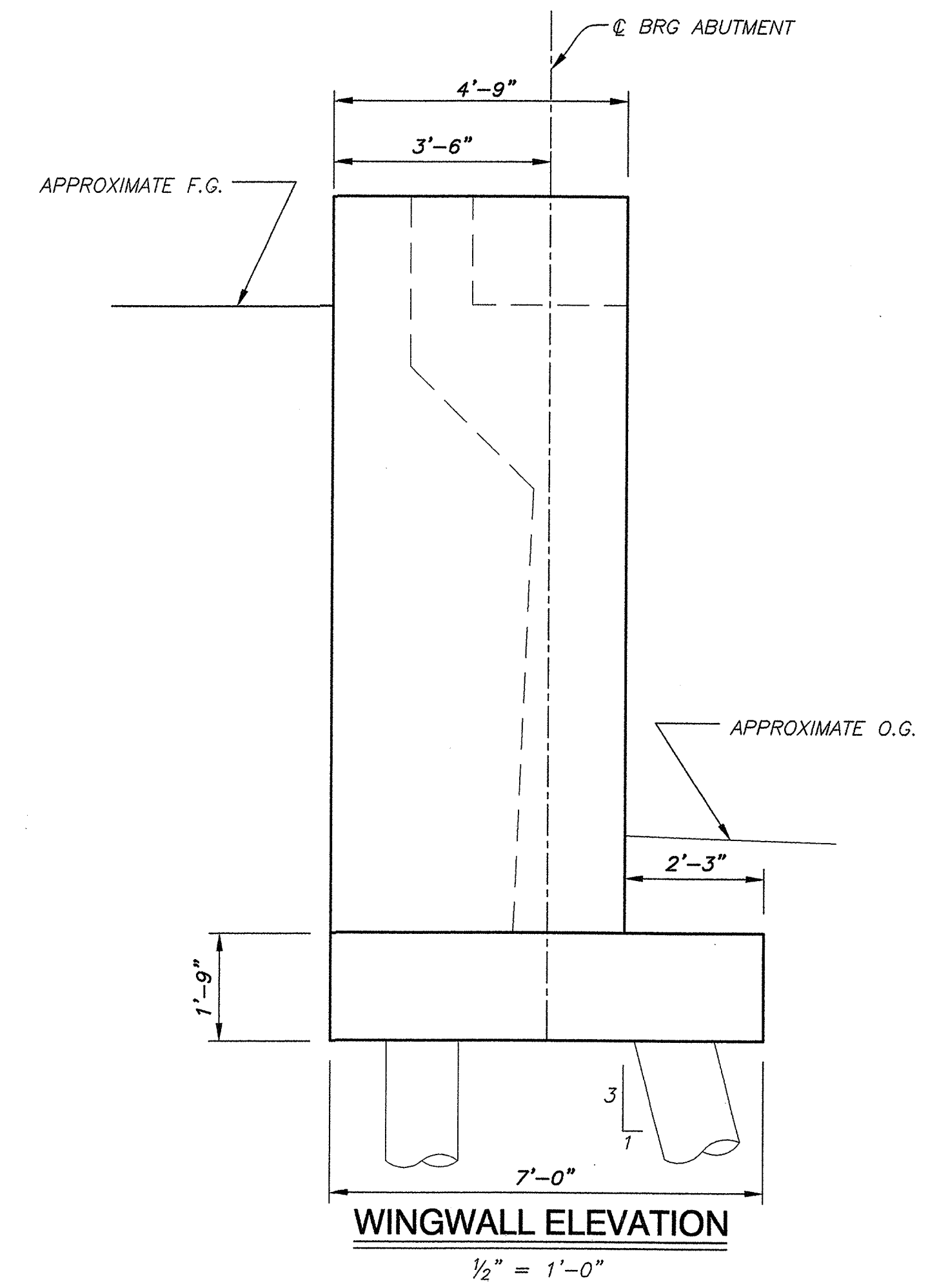
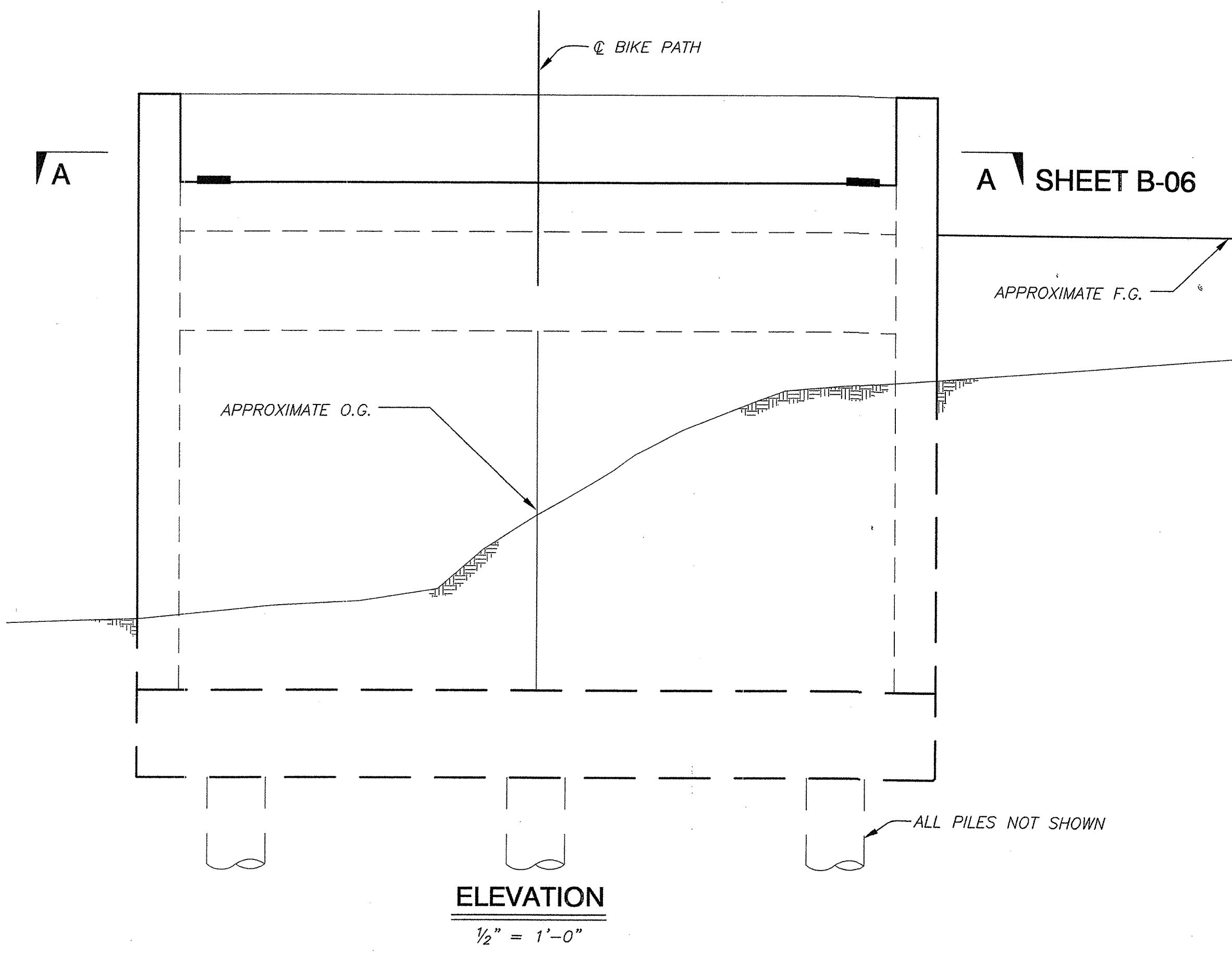
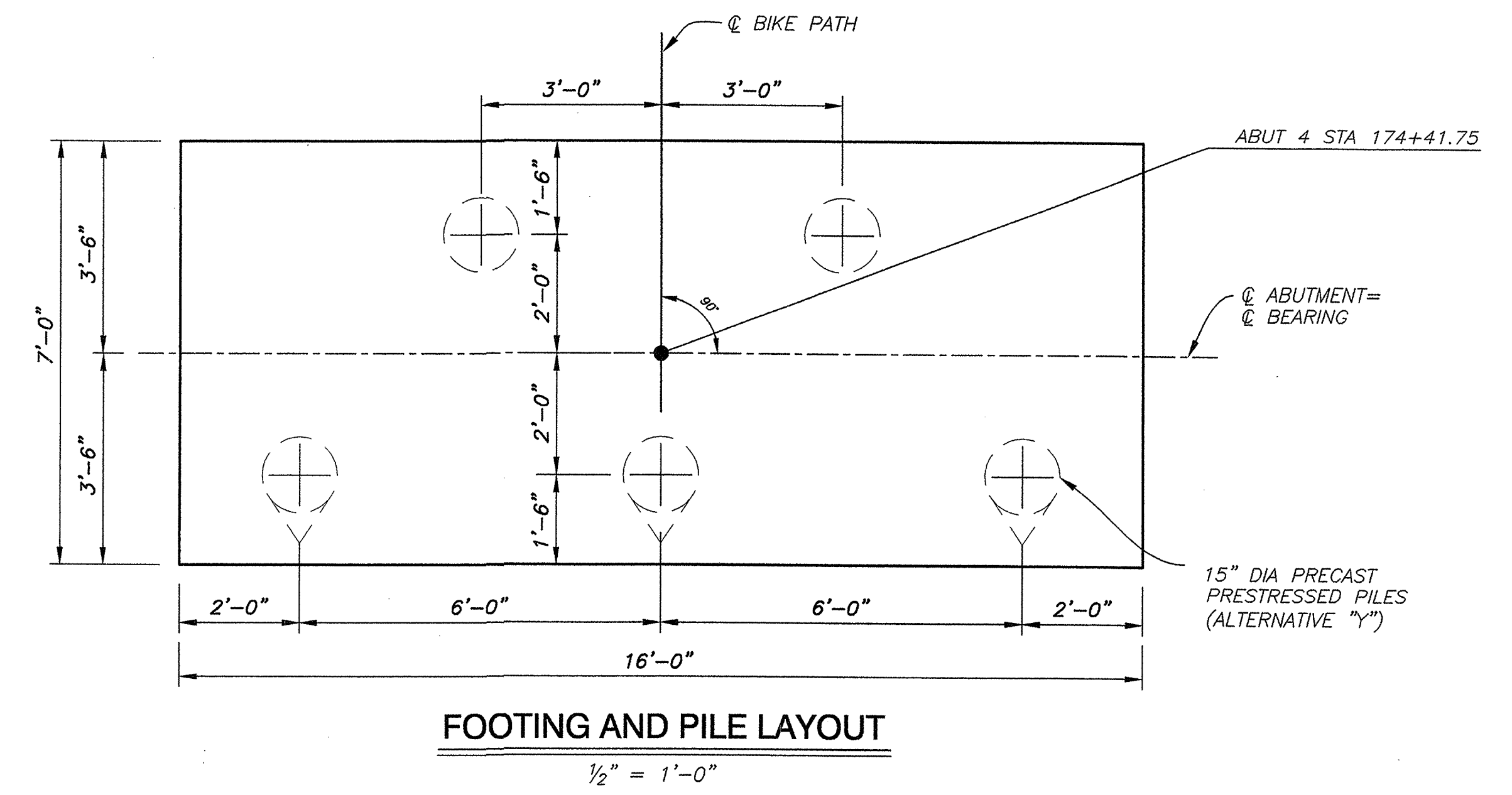
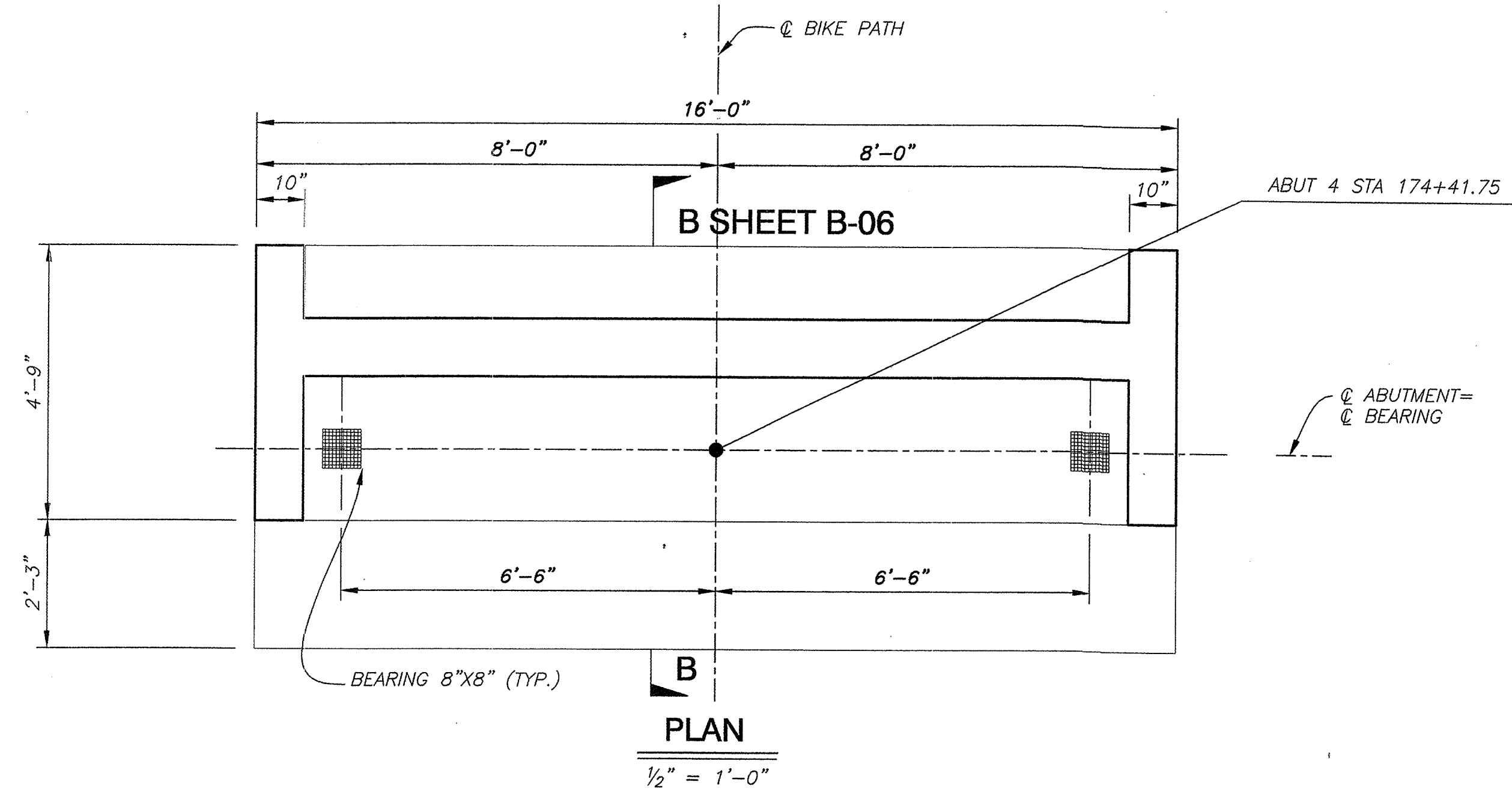
DESIGNED: M. SARRAF
DRAWN: A. KAYDEN
CHECKED: _____
DATE: DEC 2006
ROAD NUMBER: US 50



EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION
TAHOE ENGINEERING DIVISION

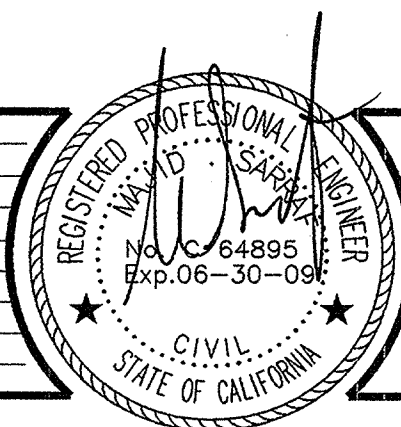
SAWMILL 1B BIKE PATH PROJECT
ABUTMENT 1 LAYOUT

SHEET
B-04
24 OF 28
W.O. No. 95148



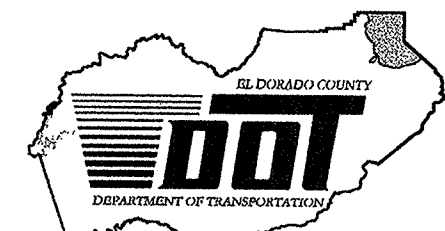
STRUCTURAL PLAN
 AS SHOWN

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
 REGISTERED CIVIL ENGINEER
 DATE:

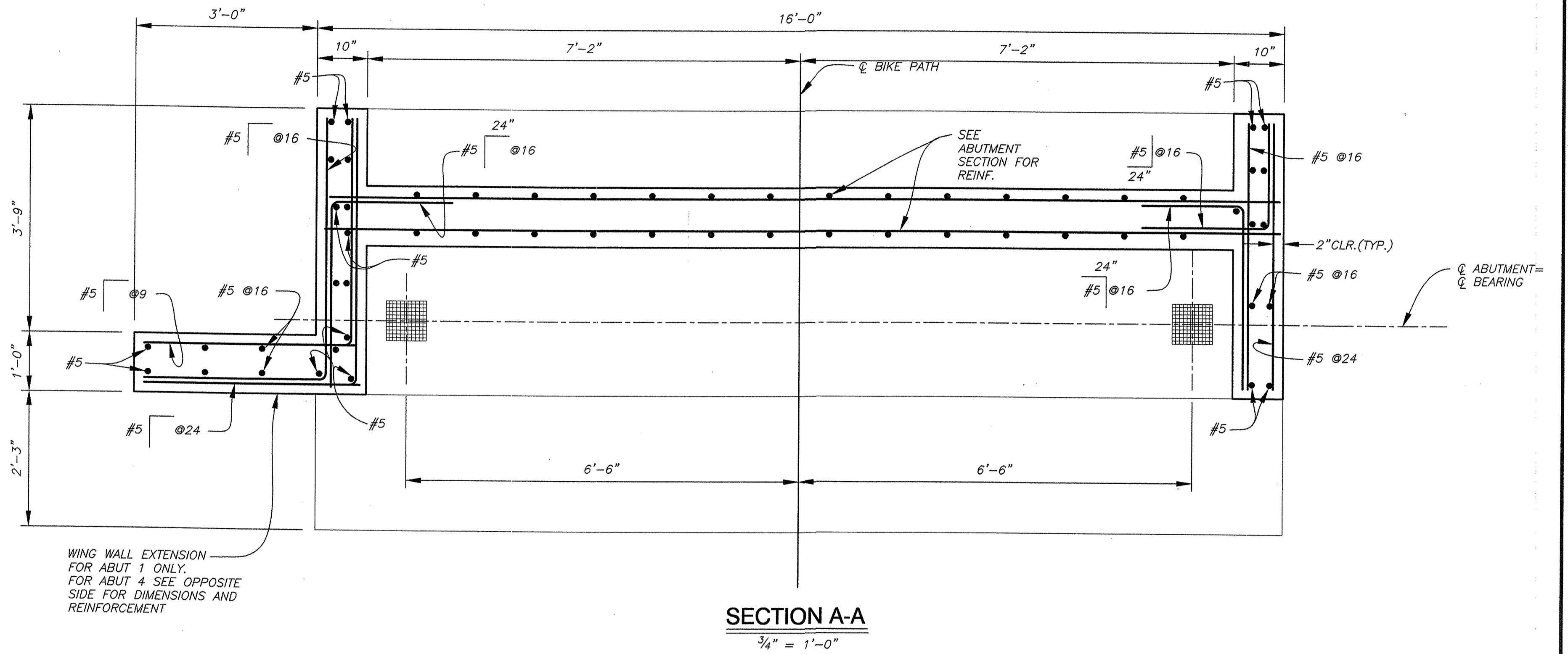
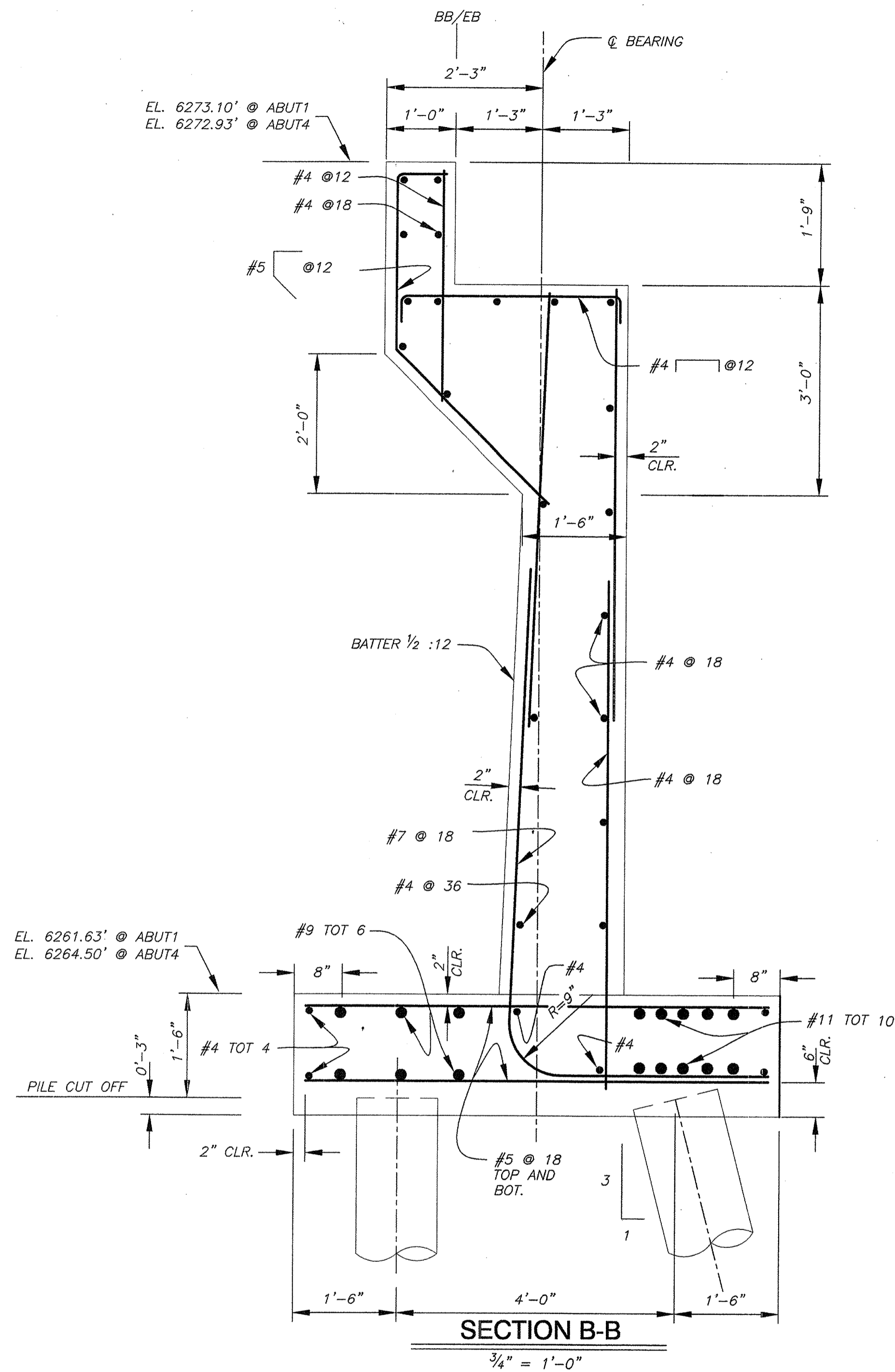
DESIGNED: M. SARRAF
 CHECKED: A. KAYDEN
 DATE: DEC 2006
 ROAD NUMBER: US 50



EL DORADO COUNTY
 DEPARTMENT OF TRANSPORTATION
 TAHOE ENGINEERING DIVISION

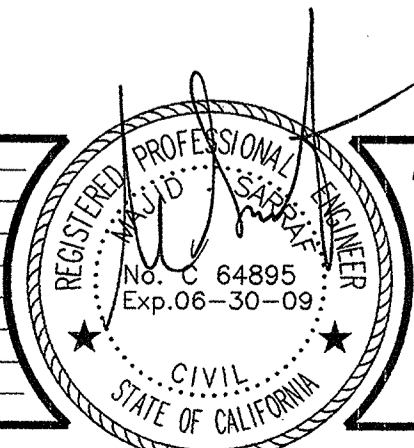
SAWMILL 1B BIKE PATH PROJECT
 ABUTMENT 4 LAYOUT

SHEET
 B-05
 25 OF 28
 W.O. No. 95148



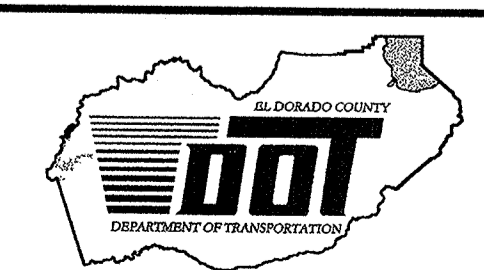
Note: For pile reinforcement see Caltrans Standard Plan B2-5 Alternative "y"

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
 REGISTERED CIVIL ENGINEER
 DATE:

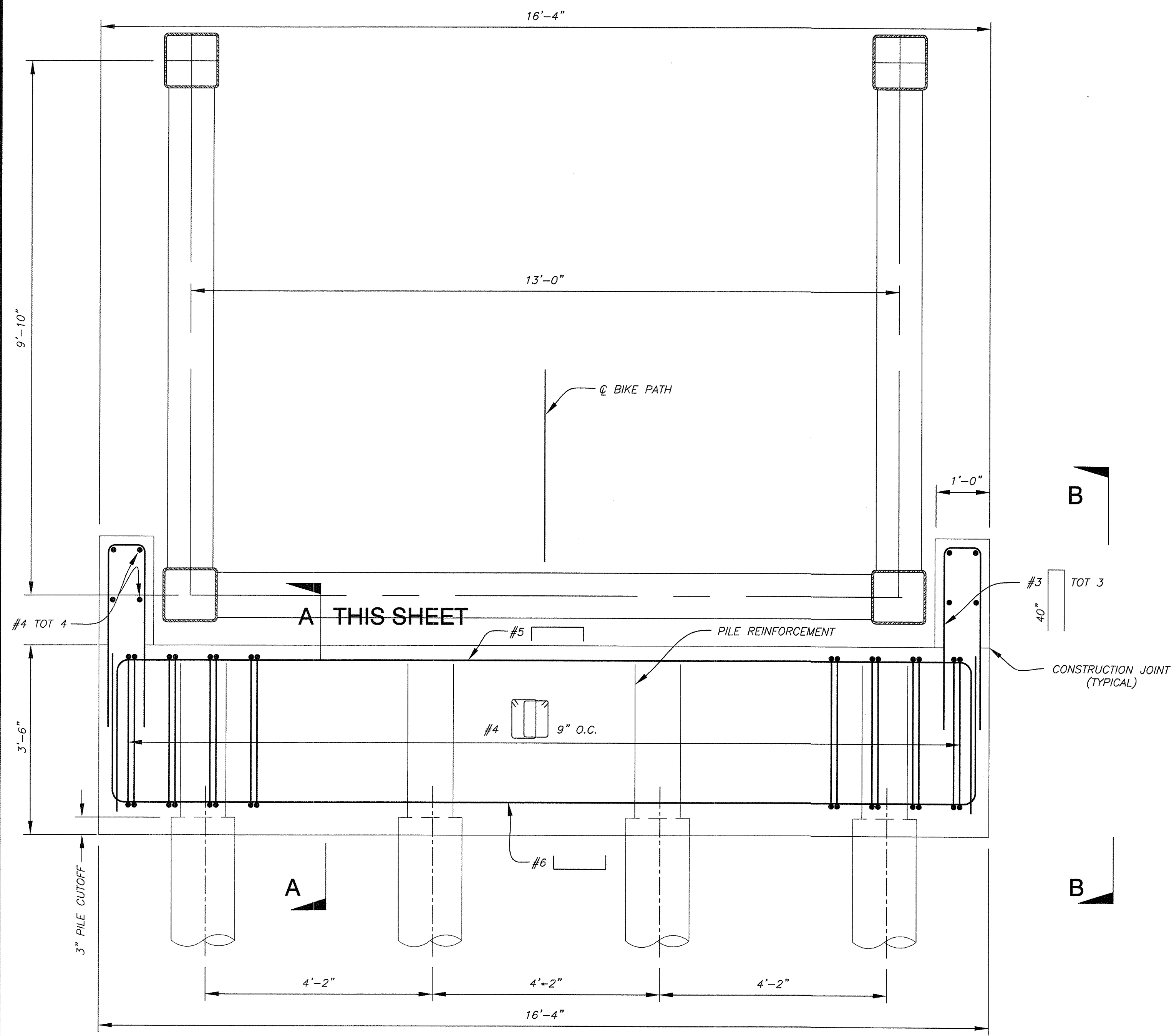
DESIGNED: M. SARRAF
 DRAWN: A. KAYDEN
 CHECKED: DATE: DEC 2006
 ROAD NUMBER: US 50



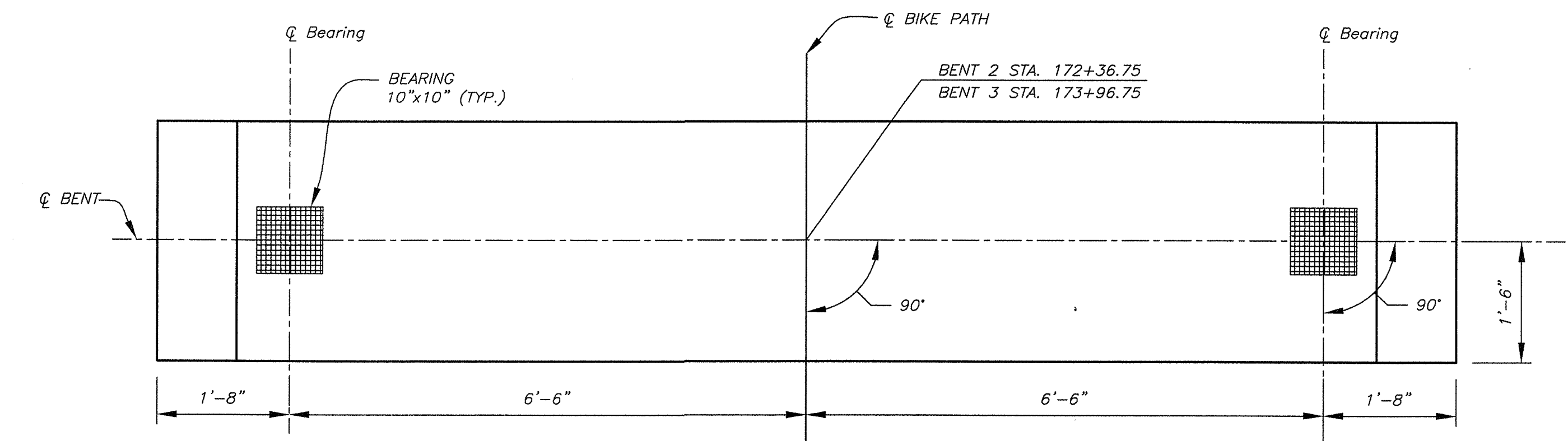
EL DORADO COUNTY
 DEPARTMENT OF TRANSPORTATION
 TAHOE ENGINEERING DIVISION

SAWMILL 1B BIKE PATH PROJECT
 ABUTMENT DETAILS

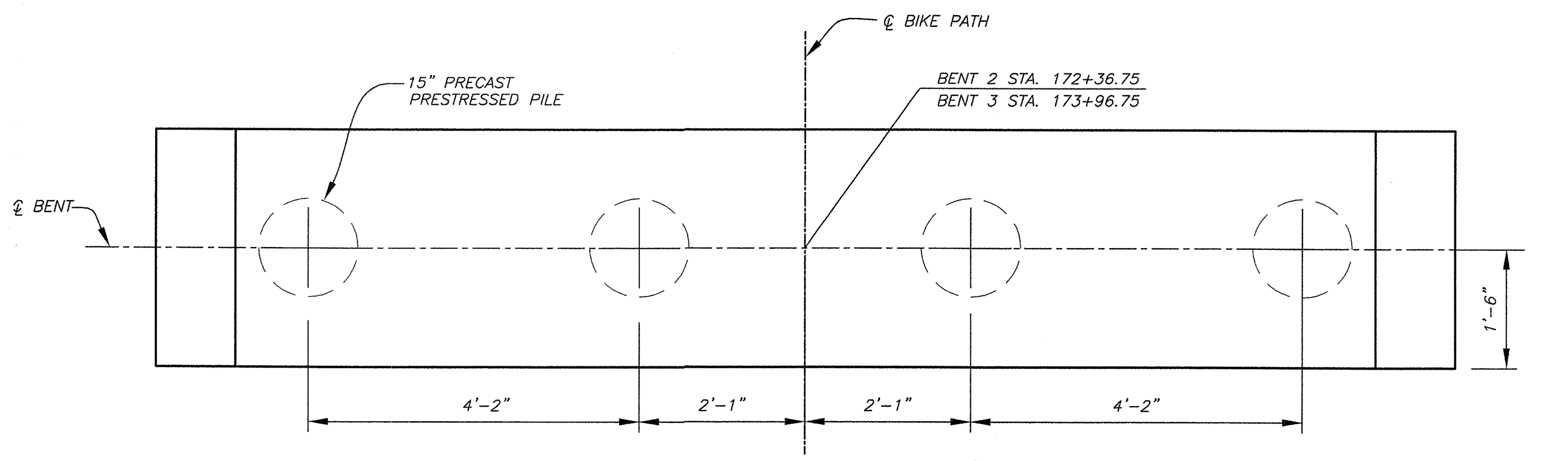
STRUCTURAL PLAN AS SHOWN
 SHEET B-06
 26 OF 28
 W.O. No. 95148



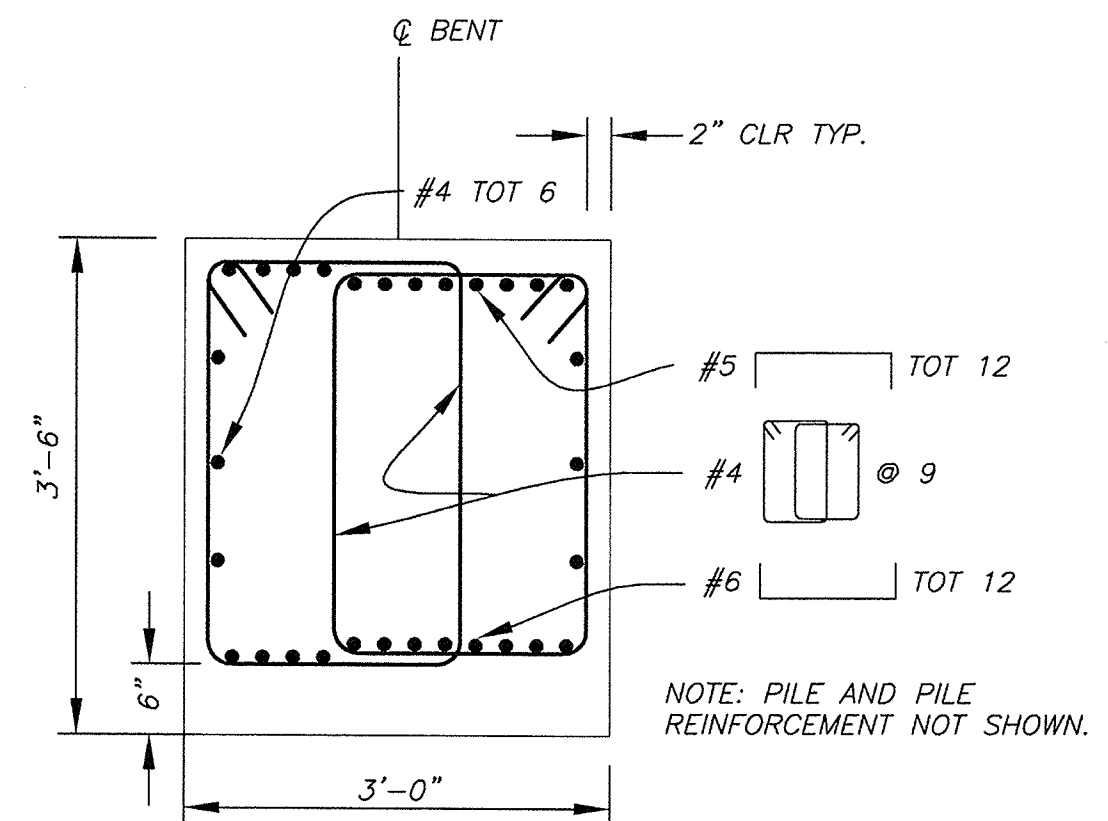
BENT SECTION
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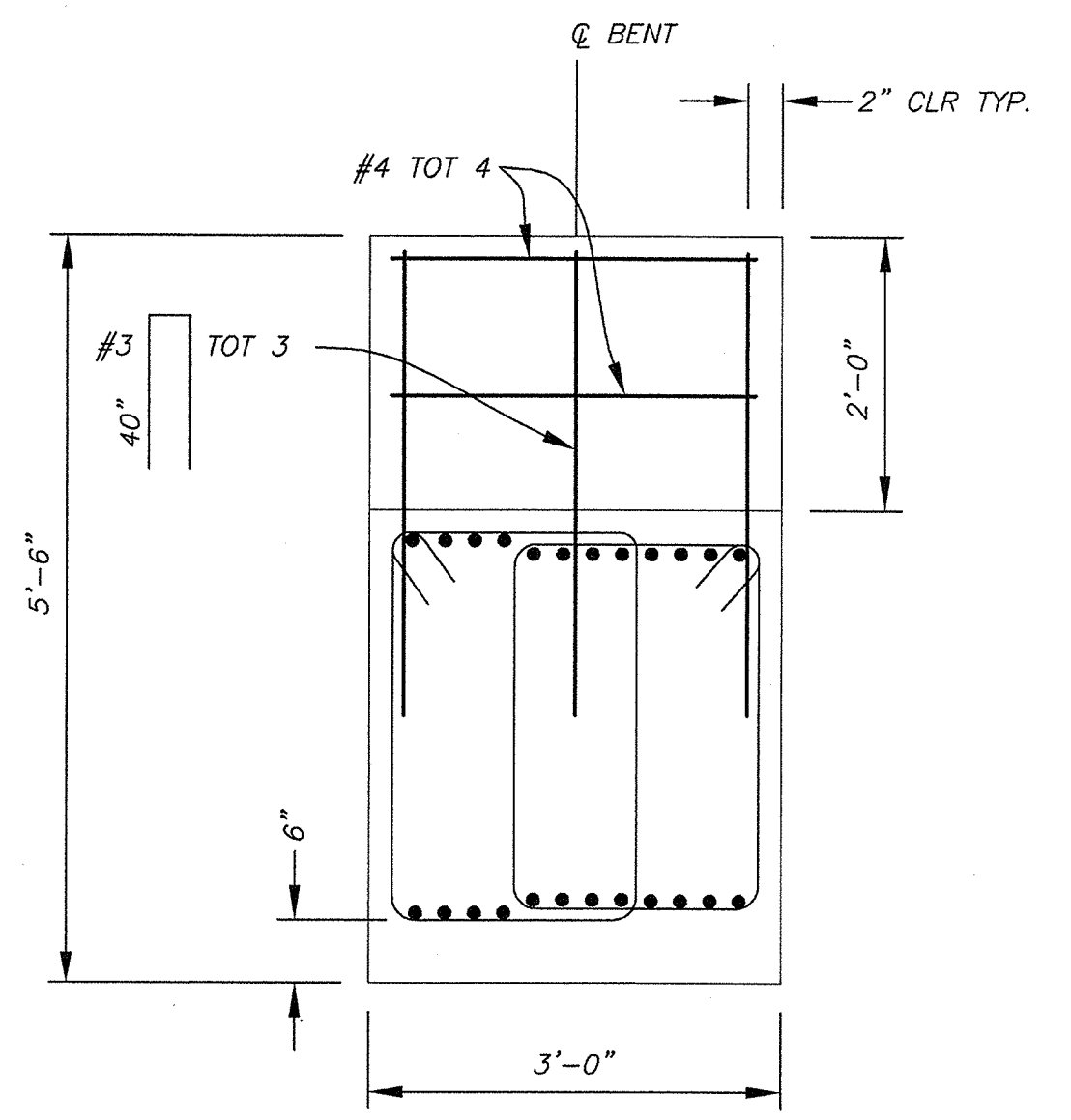
BENT LAYOUT
3/4" = 1'-0"



BENT PILE LAYOUT
3/4" = 1'-0"



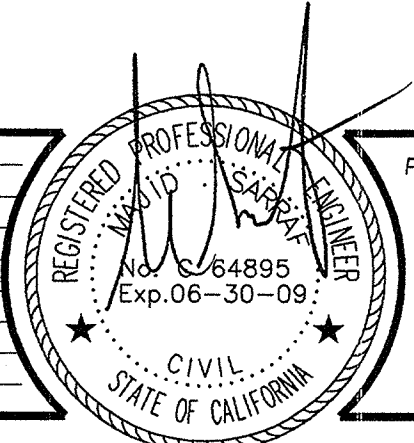
SECTION A-A
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SECTION B-B
3/4" = 1'-0"

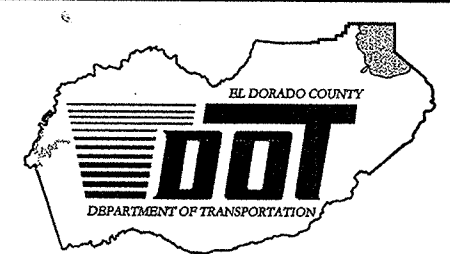
STRUCTURAL PLAN
AS SHOWN

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
M. SARRAF
REGISTERED CIVIL ENGINEER
DATE:

DESIGNED: M. SARRAF
DRAWN: A. KAYDEN
CHECKED: DATE: DEC 2006
ROAD NUMBER: US 50



EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION
TAHOE ENGINEERING DIVISION

SAWMILL 1B BIKE PATH PROJECT
BENT DETAILS

SHEET
B-07
27 OF 28
I.W.O. No. 95148

DIST.	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS
03	ED	50			

REGISTERED ENGINEERING GEOLOGIST

Alfred P. Worcester
No. 2093
Exp. 5/31/08
CERTIFIED ENGINEER VC
GEOLOGIST
STATE OF CALIFORNIA

PLANS APPROVAL DATE _____

BLACKBURN CONSULTING, INC.
2437 Front Street
West Sacramento, CA 95691
BCI Project No. 811.1

LEGEND OF BORING OPERATIONS

2 1/2" CONE PENETRATION BORING

1" CONE PENETRATION BORING

ROTARY SAMPLE BORING (MET)

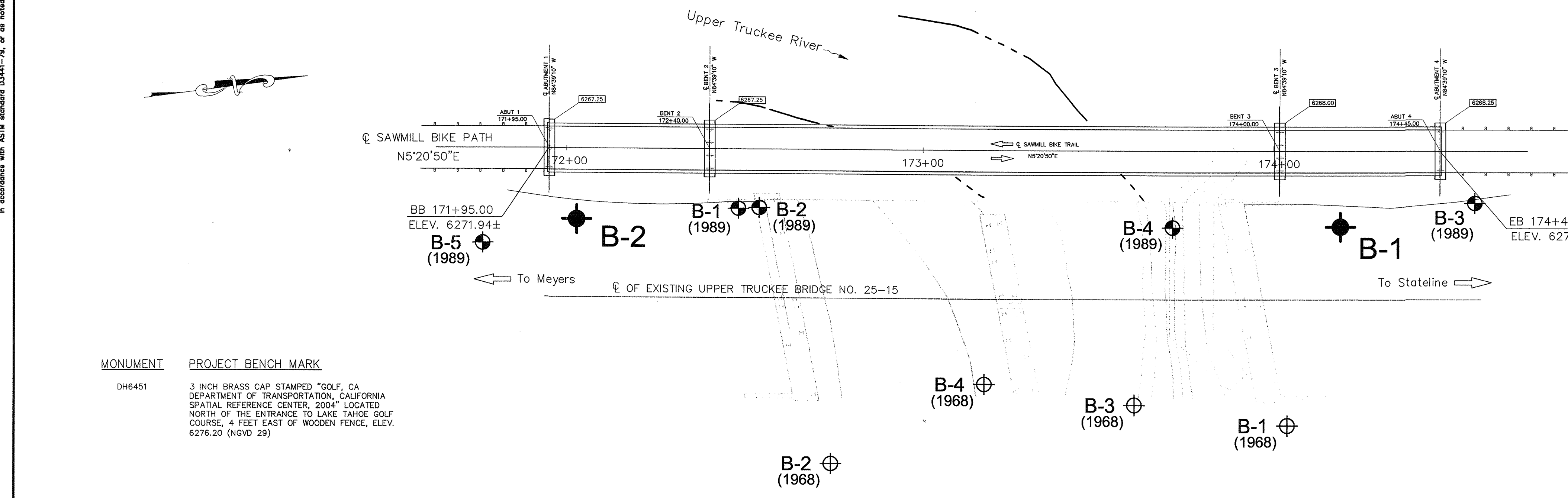
SAMPLE BORING (MET)

PLAN OF ANY BORING

LEGEND OF EARTH MATERIALS

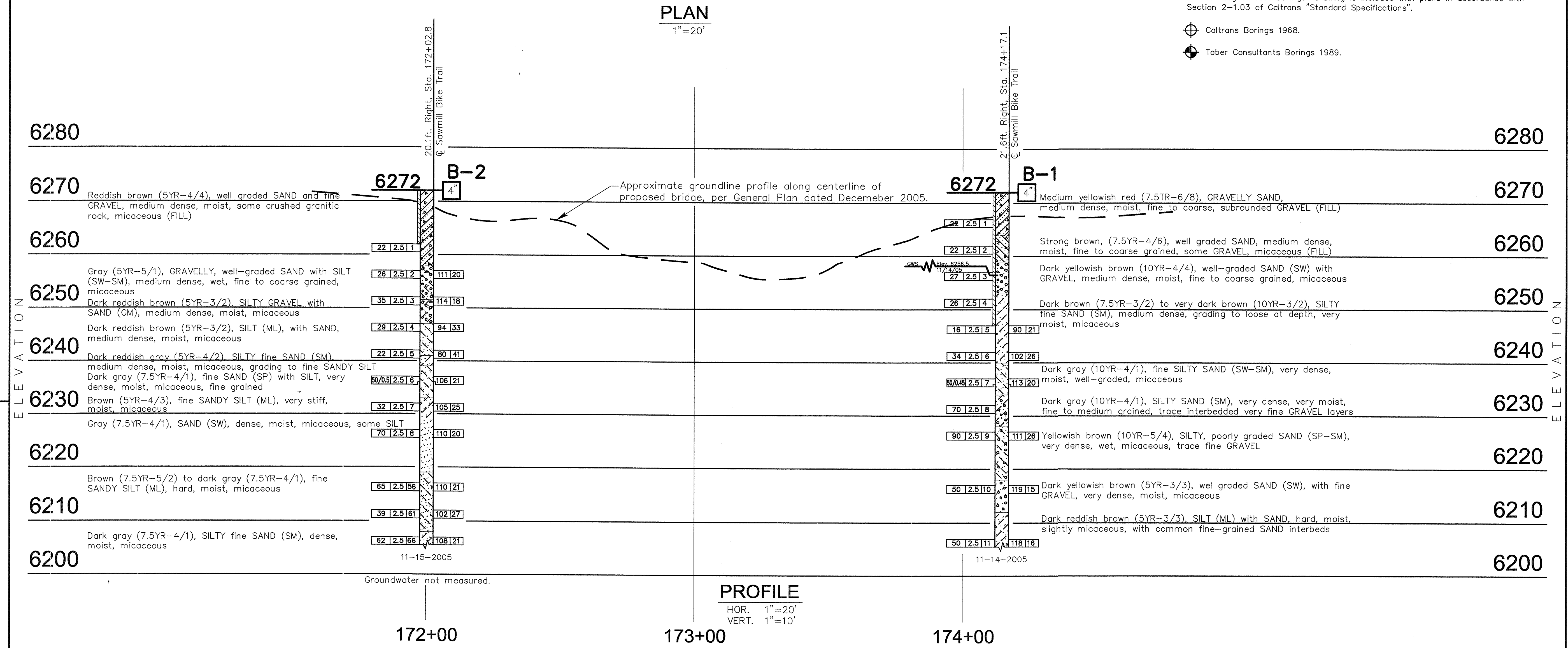
CONSISTENCY CLASSIFICATION FOR SOILS

NOTE: Classification of earth material as shown on this sheet is based upon field inspection and is not to be construed to imply mechanical analysis.



- NOTES:
- Field classification of soils was in accordance with ASTM D 2488-00 "Description and Identification of Soils (Visual-Manual Procedure)".
 - 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 brass liners.
 - "2.5 inch sampler": ID=2.5 inch, OD=2.9 inch. Driven in same manner as SPT ("1.4 inch") sampler.
 - 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 ASTM D1586-99. Where less than 1 foot of penetration is achieved, the blow count shown is for that fraction of the "standard penetration resistance" interval actually penetrated.
 - Groundwater (GWS) levels in the borings indicated on the Log of Test Boring Sheets reflect the fluid level in the borings on the specified date.
 - Groundwater levels are subject to seasonal fluctuations and may occur at higher or lower elevations depending on the conditions at any particular time.
 - Electronic media for plan view provided by Stantec, January 2006.
 - The "Log of Test Borings" drawing is included with plans in accordance with Section 2-1.03 of Caltrans "Standard Specifications".

- ⊕ Caltrans Borings 1968.
- ⊙ Taber Consultants Borings 1989.



DESIGN OVERSIGHT	DRAWN BY	M. D. Robertson	A. P. Worcester	FIELD INVESTIGATOR	BRIDGE NO.	SAWMILL BIKE PATH BRIDGE		SHEET	B-08
SIGN OFF DATE	CHECKED BY	A. P. Worcester	DATE	November 2005	POST MILE	LOG OF TEST BORINGS			

PREPARED FOR
EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION

PROJECT ENGINEER _____

BRIDGE NO. _____
POST MILE _____

DISREGARD PRINTS BEARING EARLIER REVISION DATES

REVISION DATES (PRELIMINARY STAGE ONLY)

2/9/07									
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ORIGINAL SCALE IN INCHES FOR REDUCED PLANS 0 1 2 3

CU EA

SHEET 28 OF 28