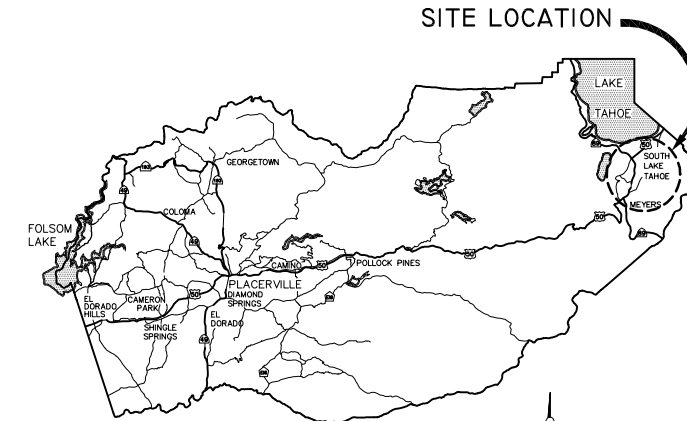


**REDUCED SIZE
NOT TO SCALE**

DEPARTMENT OF TRANSPORTATION
COUNTY OF EL DORADO, CA

PROJECT PLANS FOR THE CONSTRUCTION OF
**CHRISTMAS VALLEY PHASE 2B
EROSION CONTROL PROJECT**

IN THE COUNTY OF EL DORADO, DISTRICT 5
WITHIN THE PORTIONS OF THE TAHOE PARADISE ADDITION UNIT NOS, 52-58,
AND SIERRA PARK 2 SUBDIVISIONS
AND POR. OF SEC 32, T.12N., R.18E., M.D.M.



VICINITY MAP
COUNTY OF EL DORADO

BOARD OF SUPERVISORS
I JOHN R. KNIGHT
II RAY NUTTING
III JAMES SWEENEY
IV RON V. BRIGGS
V NORMA SANTIAGO

COUNTY OF EL DORADO
DEPARTMENT OF
TRANSPORTATION

(530) 573-7900 924 B
EMERALD BAY ROAD
SOUTH LAKE TAHOE, CA
96150

ADOPTED AND APPROVED BY:

NORMA SANTIAGO
CHAIR, EL DORADO COUNTY BOARD OF SUPERVISORS

APPROVED BY:

JAMES W. WARE, RCE NO. 61036
DIRECTOR, EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION

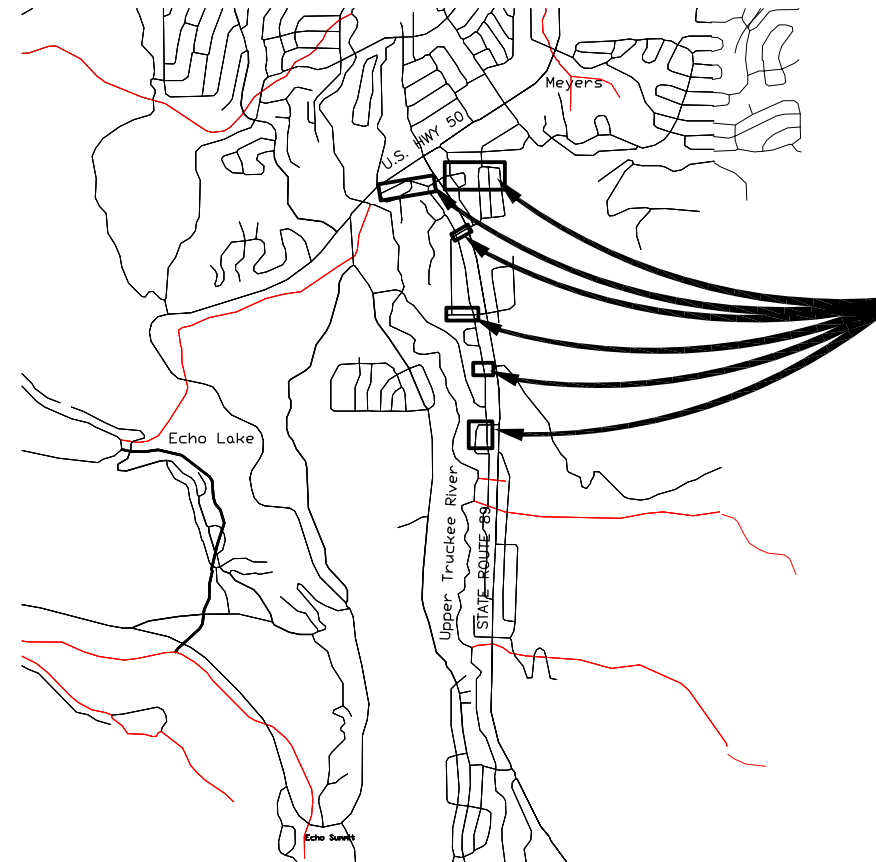
RUSSELL A. NYGARD, RCE NO. 50369
DEPUTY DIRECTOR OF ENGINEERING, EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION

DATE DATE DATE

Sheet List Table

SHEET NO.	SHEET NAME	TITLE
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6	S-3	SAWCUT ALIGNMENTS & LISTING
7	P-1	PLAN & PROFILE, CIRUGU ST STA 10+16.37 TO STA 10+49.44, POMO ST STA 10+48.00 TO STA 12+00.00
8	P-2	POMO ST PLAN & PROFILE, STA 11+04.00 TO STA 15+83.54
9	P-3	PLAN & PROFILE, BLITZEN RD STA 10+28.00 TO STA 12+16.09, CIRUGU ST STA 10+25.00 TO STA 10+55.72
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19	D-2	DETAILS
20	D-3	DETAILS
21	EC-1	TEMPORARY EROSION CONTROL PLAN
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To be supplemented with Standard Plans and Specifications dated May 2006, including the amendments to the May 2006 Standard Specifications, of the California Department of Transportation, unless otherwise noted.



CHRISTMAS VALLEY PHASE 2B
PROJECT AREAS

LOCATION MAP

SCALE: 1" = 2000'

FUNDING AGENCY

USDA FOREST SERVICE



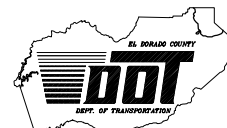
SUBMITTED BY: DONALDO S. PALAROAN P.E. DATE 02/12/10
SENIOR CIVIL ENGINEER
STATE OF CALIFORNIA NO. 66083

REVIEWED BY: STEVE P. KOOYMAN, P.E. DATE
SUPERVISING CIVIL ENGINEER
STATE OF CALIFORNIA NO. 55757

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



CONTRACT NO. PW 09-30488, CIP NO. 95189

CHRISTMAS VALLEY PHASE 2B
EROSION CONTROL PROJECT

TITLE SHEET

SHEET 1 OF 27

GENERAL NOTES

- 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, MAY 2006, 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. THE CONTRACT SPECIAL PROVISIONS SHALL SUPERSEDE THOSE OF THE STANDARD SPECIFICATIONS WHERE DISCREPANCIES OCCUR.

ABBREVIATIONS

Table with columns for symbols and abbreviations. Includes notes like 'NOTE: LOWER CASE TEXT WITHIN PLAN SET INDICATES EXISTING' and lists various engineering terms like DELTA = DEFLECTION ANGLE, ASPEN, AGGREGATE BASE, etc.

LEGEND

Legend table with columns for EXISTING and PROPOSED. Lists symbols for CENTERLINE, SAWCUT (AS NOTED), AC REMOVE, AC D/W REMOVE & REPLACE, MISCELLANEOUS GRADING, MISC PAVING, ELEVATION, etc.

BENCHMARK

VERTICAL CONTROL IS NGVD 29; HORIZONTAL CONTROL IS NAD 83 (FEET): CALTRANS CONTROL POINT "25-275". A BRASS DISK SET IN CONCRETE 2' BELOW THE GROUND SURFACE APPROXIMATELY 115' EAST OF POST #C219 AND 20' NORTH OF WEST BOUND EDGE OF PAVEMENT OF HIGHWAY 50 AND 15' SOUTH OF AN EXISTING DRAIN. THE ELEVATION FOR WHICH WAS ESTABLISHED FROM CONTROL POINT "K924", ESTABLISHED BY THE NATIONAL GEODETIC SURVEY (FORMERLY THE U.S. COAST & GEODETIC SURVEY).

UTILITIES

Table listing utility providers and contact information: CABLE TELEVISION (CHARTER COMMUNICATIONS), NATURAL GAS (SOUTHWEST GAS), ELECTRIC (NV ENERGY), SEWER & WATER (SOUTH TAHOE PUD), TELEPHONE (ATT), STORM DRAIN (EL DORADO COUNTY DOT).

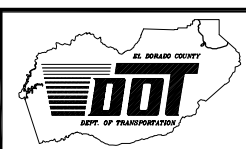
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REDUCED SIZE NOT TO SCALE



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DESIGNED: TA DRAWN: TA CHECKED: DSP DATE: 02/10 ROAD NUMBER: ###

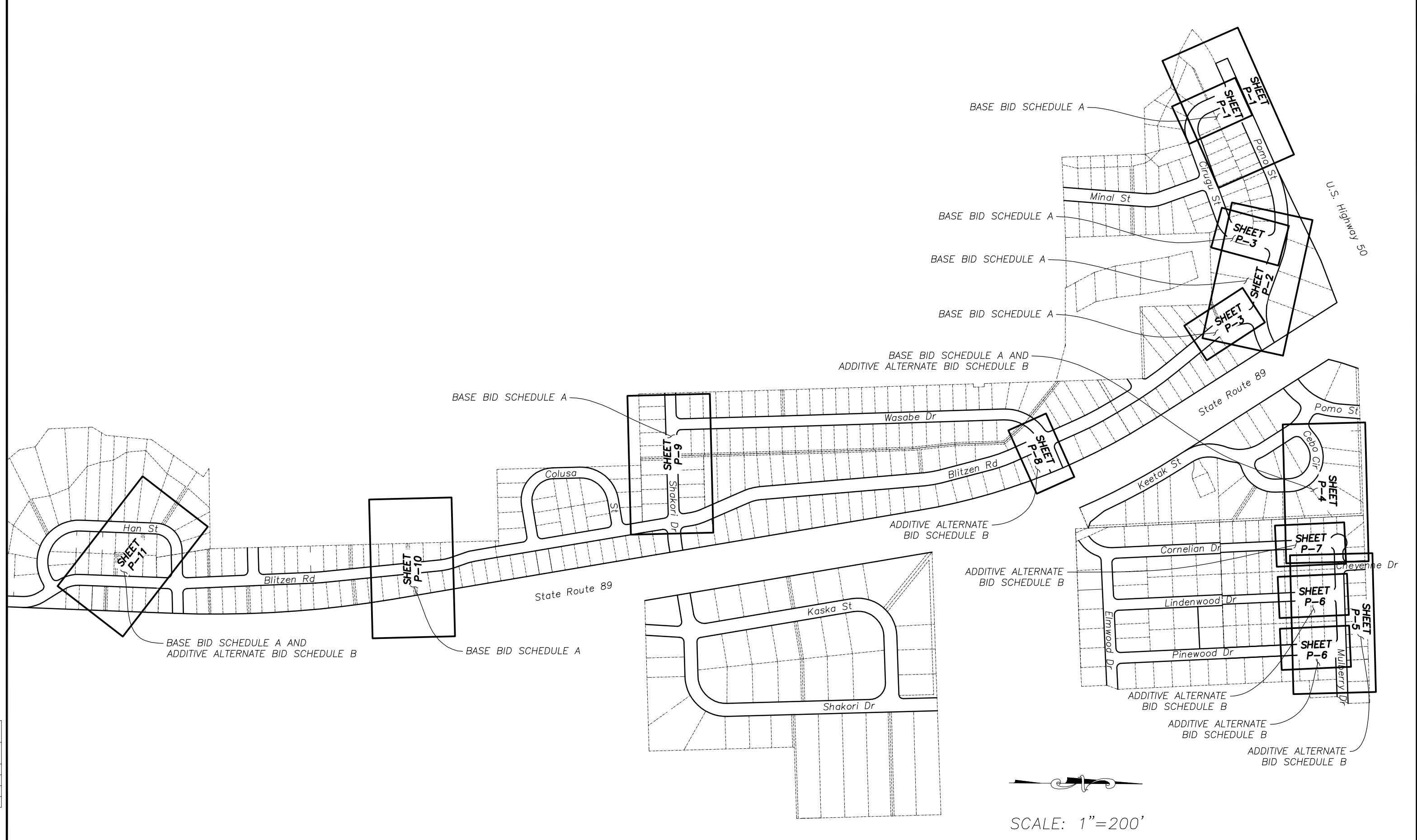


EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION

CHRISTMAS VALLEY PHASE 2B EROSION CONTROL PROJECT GENERAL NOTES, ABBREVIATIONS AND LEGEND

SHEET ii OF 27 CONTRACT NO. PW 09-30488 CIP No. 95189

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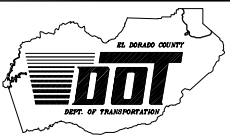
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 REGISTERED CIVIL ENGINEER
 DATE: _____

DESIGNED: TA
 DRAWN: TA
 CHECKED: DSP
 DATE: 02/10
 ROAD NUMBER: ####



EL DORADO COUNTY
 DEPARTMENT OF TRANSPORTATION

CHRISTMAS VALLEY PHASE 2B EROSION CONTROL PROJECT
 INDEX SHEET

SHEET
 iii
 3 OF 27
 CONTRACT NO.
 PW 09-30488
 CIP NO.
 95189

CONTROL POINT LIST				
NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	2077228.5950	7123765.6140	6327.07	2" BRASS DISC
11	2077121.7973	7125994.1251	6354.53	MAG NAIL
13	2077638.1563	7125956.5945	6351.50	MAG NAIL
18	2077647.0840	7126199.3122	6352.60	MAG NAIL
23	2077131.7323	7126460.1805	6379.72	MAG NAIL
24	2076625.1201	7126493.4286	6377.44	MAG NAIL
25	2076528.0612	7125807.3969	6357.44	MAG NAIL
28	2076995.1136	7125550.1802	6353.33	MAG NAIL
29	2077197.1827	7125565.7105	6351.17	MAG NAIL
30	2077502.5001	7125426.2461	6348.32	5/8" CAP RBAR
31	2077487.1129	7125266.2398	6346.87	5/8" CAP RBAR
32	2077346.8121	7125197.4873	6347.87	5/8" CAP RBAR
33	2077275.4142	7125684.5378	6351.88	MAG NAIL
34	2077455.6971	7125711.9877	6350.31	5/8" CAP RBAR
35	2077562.9541	7125608.6644	6349.83	5/8" CAP RBAR

38	2077286.1911	7124861.2476	6345.32	MAG NAIL
41	2076974.9843	7124578.4174	6355.26	HUB AND MAG
44	2077401.9770	7124610.3522	6343.38	5/8" CAP RBAR
45	2077331.2944	7124190.7520	6336.07	5/8" CAP RBAR
46	2077153.4591	7124519.9477	6343.54	MAG NAIL
47	2077059.3739	7124324.7446	6343.99	MAG NAIL
48	2076975.9956	7124009.8455	6342.53	MAG NAIL
49	2077030.0183	7125344.9668	6353.18	MAG NAIL
51	2077578.5878	7125286.0291	6347.05	SPIKE
52	2077569.1142	7125817.7813	6351.09	SPIKE
107	2077697.0403	7126059.9296	6351.31	MAG NAIL
112	2077227.4356	7126221.7976	6358.98	MAG NAIL
114	2076986.4010	7125066.7546	6349.99	MAG NAIL



CONTROL POINT LIST				
NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
6	2076252.9070	7125804.3840	6360.36	2" BRASS DISC
36	2076315.5081	7125508.1384	6355.00	MAG NAIL
63	2076169.8274	7125359.6786	6353.66	5/8" CAP RBAR
117	2076357.4165	7125218.3197	6350.32	3/4" CAP PIPE

BLITZEN AND WASABE

CONTROL POINT LIST				
NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
53	2074655.8420	7126133.5887	6372.06	5/8" CAP RBAR
54	2074569.0468	7125887.6175	6366.05	MAG NAIL
59	2074583.2766	7125404.7015	6316.75	PK NAIL
73	2074347.1598	7125906.9286	6366.84	MAG NAIL

BLITZEN AND SHAKORI

CONTROL POINT LIST				
NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
69	2073244.2806	7126096.5614	6372.39	MAG NAIL
122	2078889.6909	7126627.8147	6340.58	MAG NAIL
123	2075240.7588	7126270.4243	6373.09	HUB AND TACK

BLITZEN

CONTROL POINT LIST				
NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
50	2072051.5780	7125892.0384	6372.46	MAG NAIL
67	2072279.1559	7126148.1825	6377.71	MAG NAIL
102	2072290.8251	7125956.6504	6373.97	MAG NAIL
103	2072181.4466	7125889.1747	6372.37	MAG NAIL
124	2072297.8883	7125783.5445	6364.41	HUB AND TACK
125	2072049.6770	7126036.6133	6371.91	HUB AND TACK
126	2071942.1085	7126146.4007	6375.65	MAG NAIL

HAN AND BLITZEN

02/10

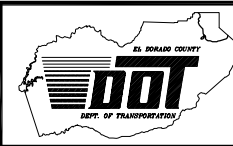
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FOR REDUCED PLANS

REVISION	NUMBER	DATE	DESCRIPTION	BY
REDUCED SIZE NOT TO SCALE				



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REGISTERED CIVIL ENGINEER
DATE:

DESIGNED: DSP
DRAWN: TA
CHECKED: CHK
DATE: 02/10
ROAD NUMBER: ###



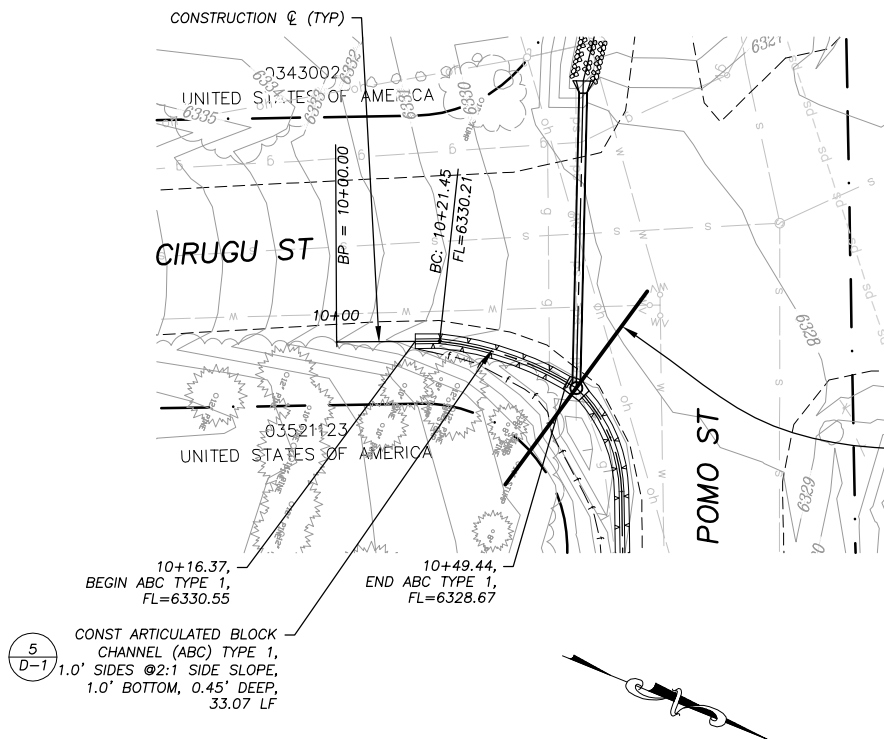
EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION

ECHOVIEW ESTATES 2 EROSION CONTROL PROJECT
CHANNEL ALIGNMENTS & CONTROL POINT LISTING

SHEET
S-1
4 OF 27
CONTRACT NO.
PW 09-30488
CIP No.
95189

09-1359.C.4

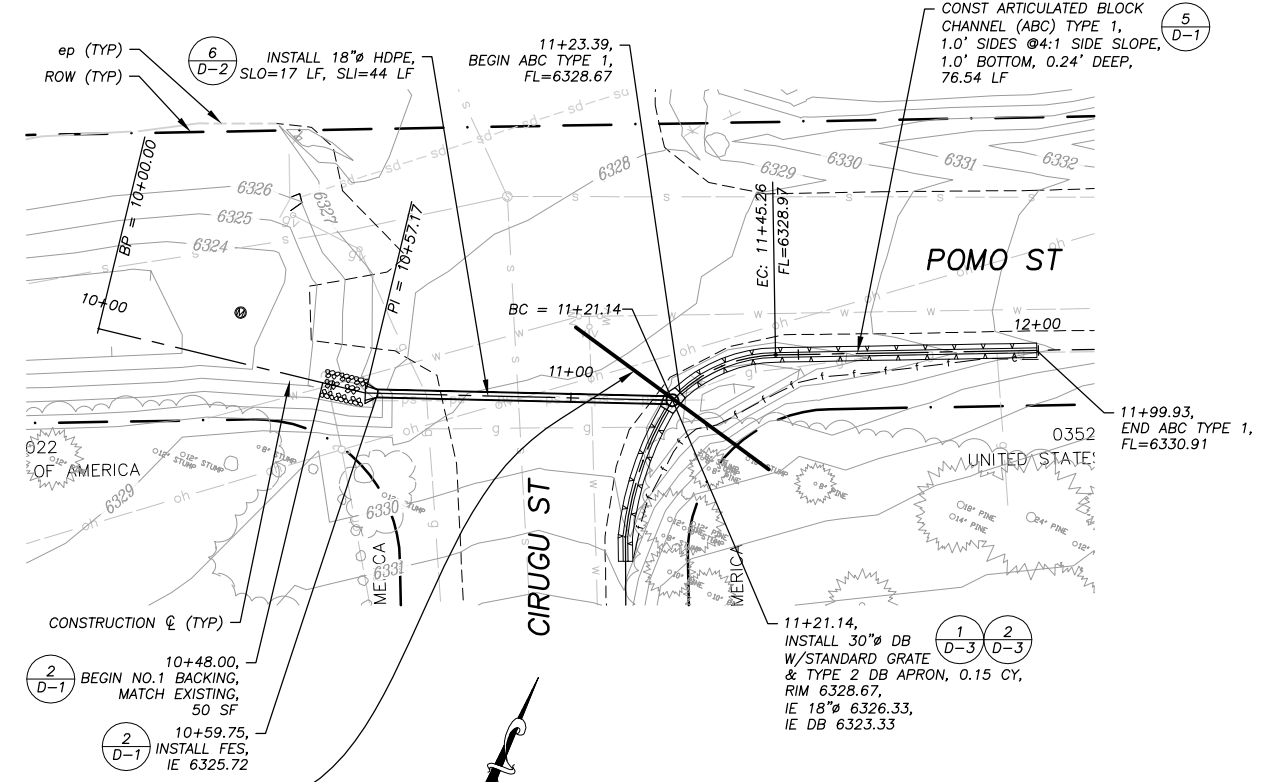
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PLAN & PROFILE
SCALE: HORIZ 1"= 20'
VERT 1"= 10'

MATCH LINE~
10+51.79=11+21.48
THIS SHEET

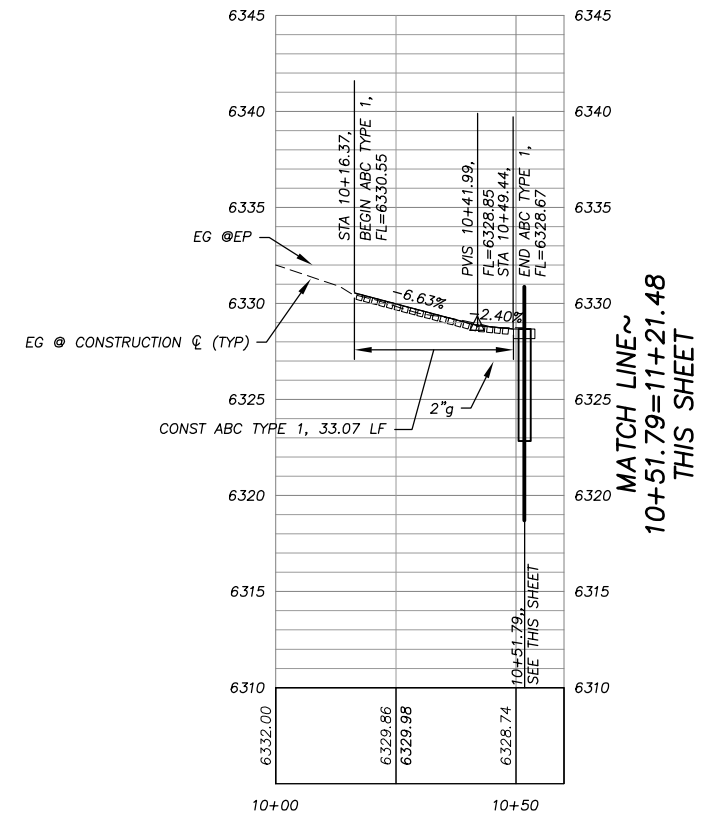
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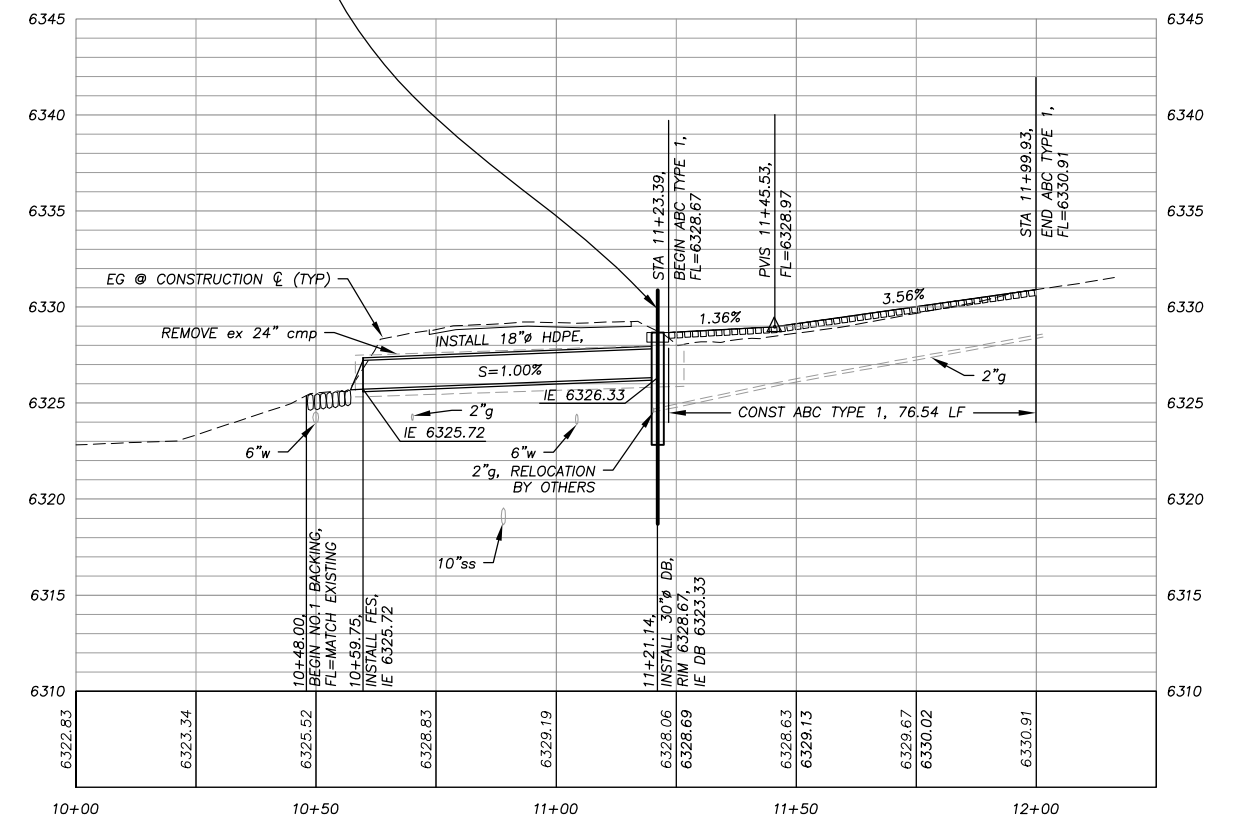
PLAN & PROFILE
SCALE: HORIZ 1"= 20'
VERT 1"= 10'

MATCH LINE~
11+21.48=10+51.79
THIS SHEET

!! 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.



MATCH LINE~
10+51.79=11+21.48
THIS SHEET



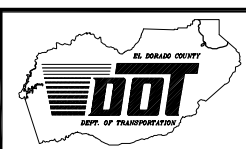
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ROAD NUMBER: #####

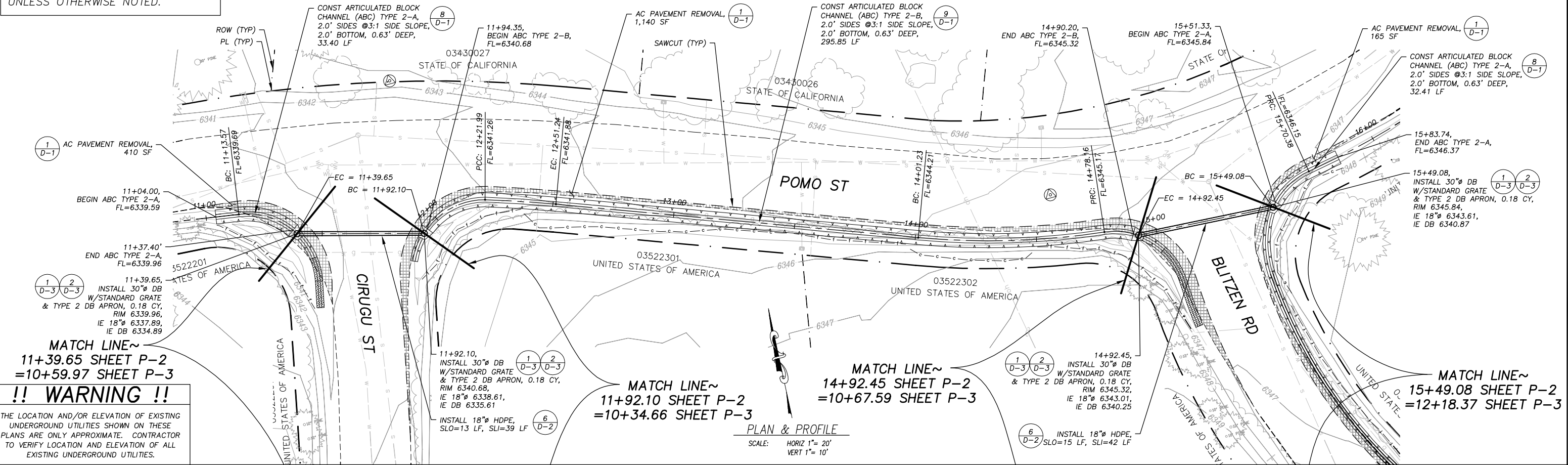


EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION

CHRISTMAS VALLEY PHASE 2B EROSION CONTROL PROJECT
PLAN & PROFILE
CIRUGU ST STA 10+16.37 TO STA 10+49.44
POMO ST STA 10+48.00 TO STA 12+00.00

SHEET P-1
7 OF 27
CONTRACT NO. PW 09-30488
CIP No. 95189

IMPROVEMENTS ON THIS SHEET ARE INCLUDED IN BASE BID SCHEDULE A, UNLESS OTHERWISE NOTED.



MATCH LINE~
11+39.65 SHEET P-2
=10+59.97 SHEET P-3
!! 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.

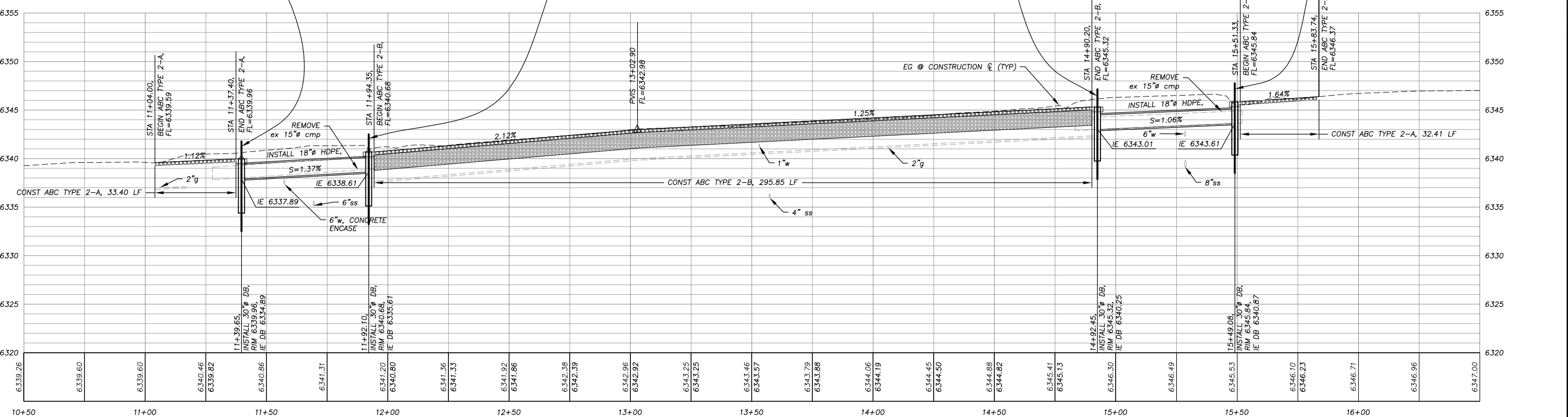
MATCH LINE~
11+92.10 SHEET P-2
=10+34.66 SHEET P-3

MATCH LINE~
14+92.45 SHEET P-2
=10+67.59 SHEET P-3

MATCH LINE~
15+49.08 SHEET P-2
=12+18.37 SHEET P-3

PLAN & PROFILE
 SCALE: HORIZ 1" = 20'
 VERT 1" = 10'

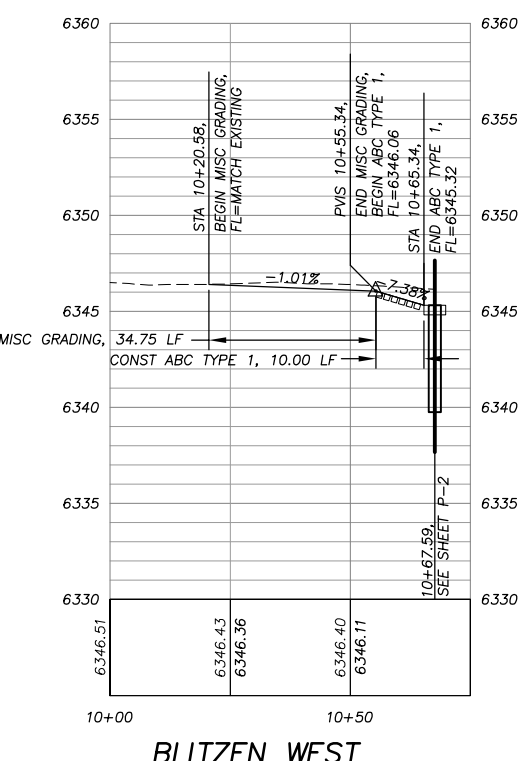
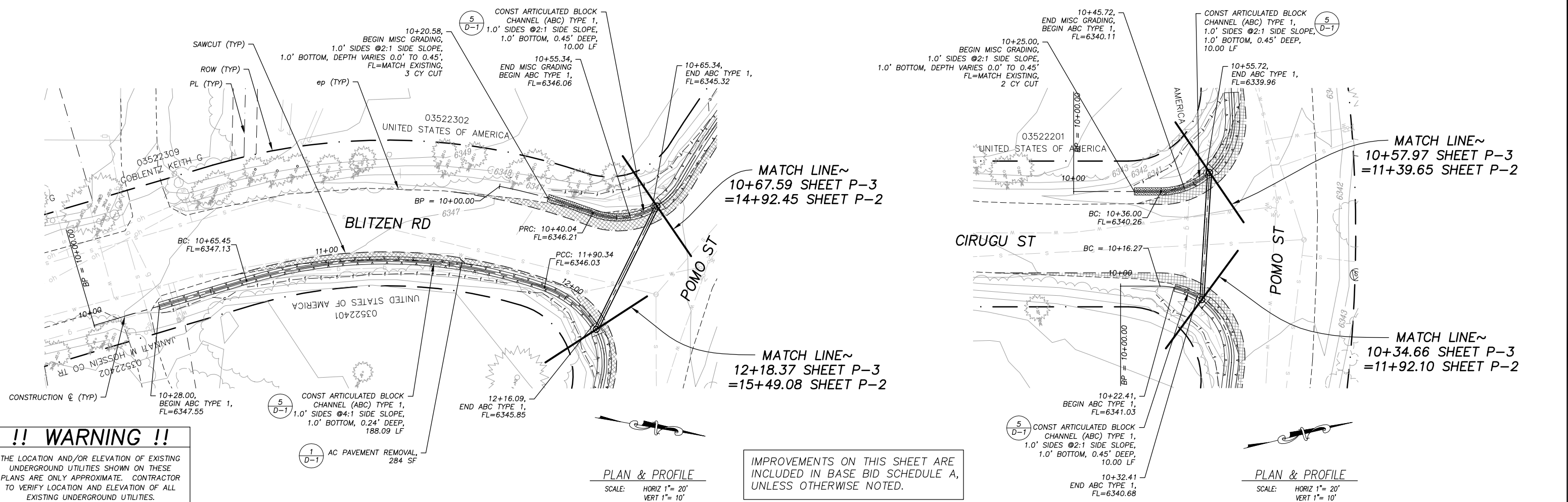
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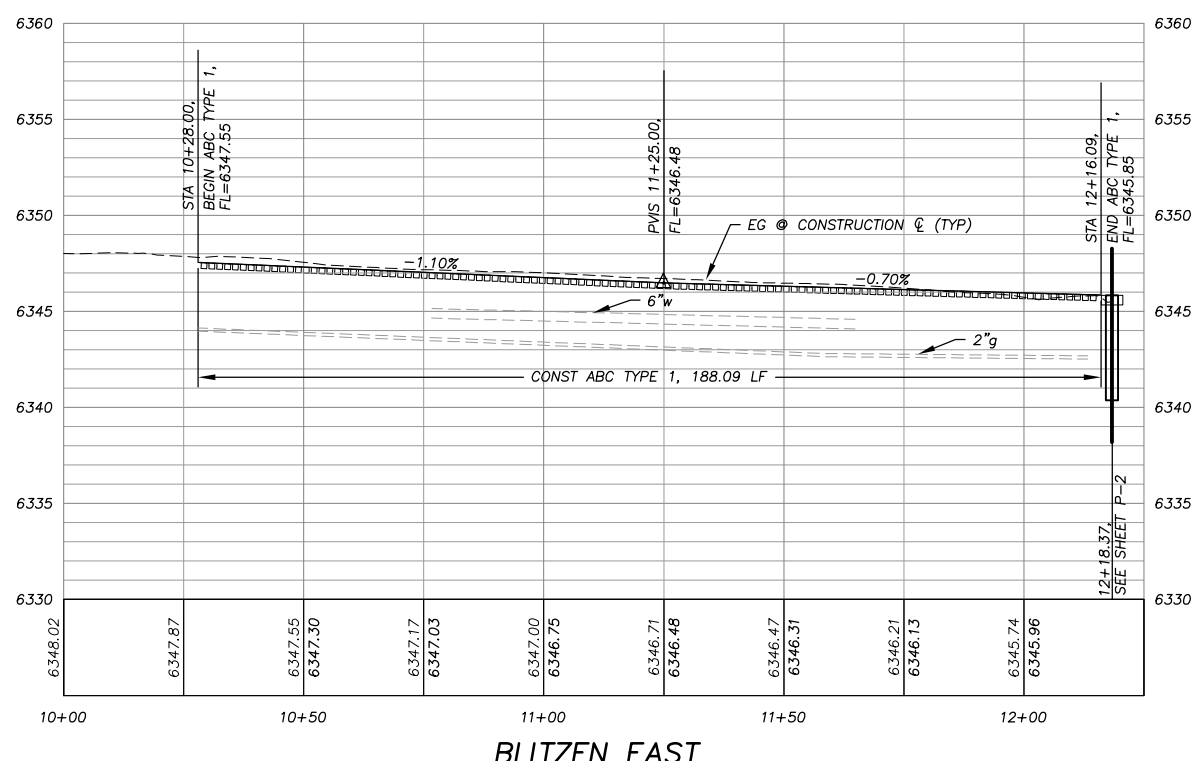
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DESIGNED: TA	DRAWN: TA		
CHECKED: DSP	DATE: 02/10		
ROAD NUMBER: ####	DATE: ####	EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION	
NUMBER	DATE	DESCRIPTION	BY

	PREPARED UNDER THE SUPERVISION OF: REGISTERED CIVIL ENGINEER DATE: _____	DESIGNED: TA DRAWN: TA CHECKED: DSP DATE: 02/10 ROAD NUMBER: ####		EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION	CHRISTMAS VALLEY PHASE 2B EROSION CONTROL PROJECT PLAN & PROFILE POMO ST STA 11+04.00 TO STA 15+83.54	SHEET P-2 8 OF 27 CONTRACT NO. PW 09-30488 CIP No. 95189
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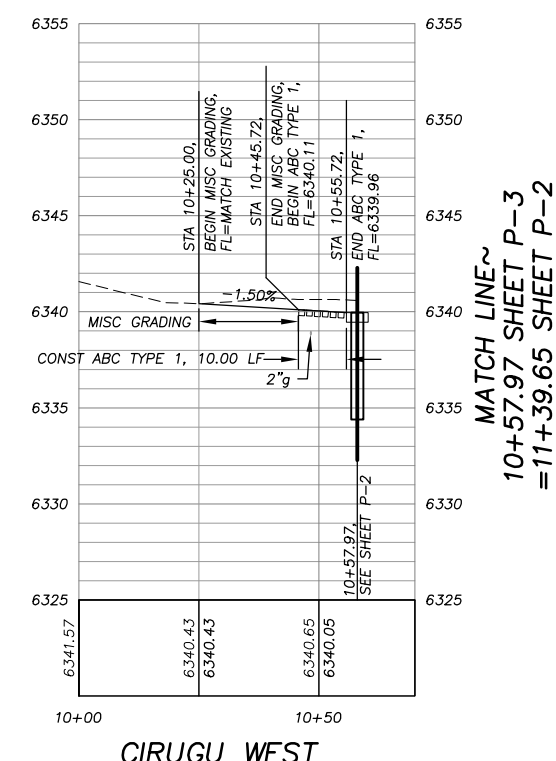
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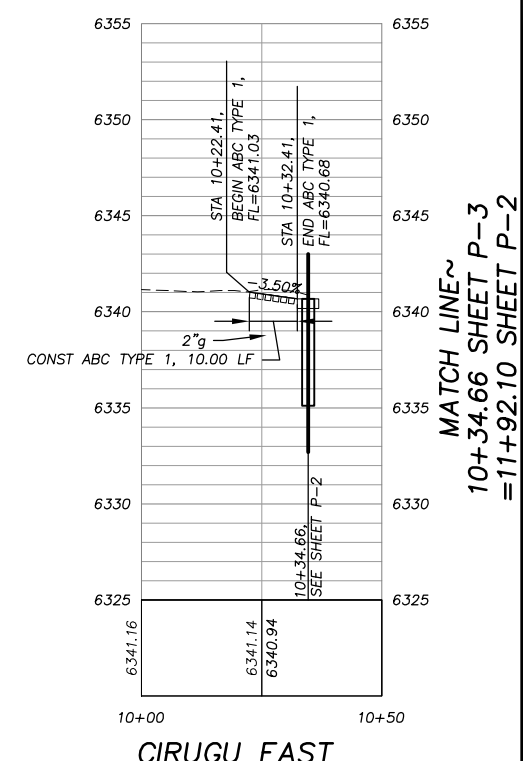
MATCH LINE~
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=14+92.45 SHEET P-2



MATCH LINE~
12+18.37 SHEET P-3
=15+49.08 SHEET P-2



MATCH LINE~
10+57.97 SHEET P-3
=11+39.65 SHEET P-2



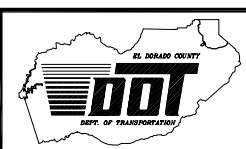
MATCH LINE~
10+34.66 SHEET P-3
=11+92.10 SHEET P-2

REVISION	NUMBER	DATE	DESCRIPTION	BY
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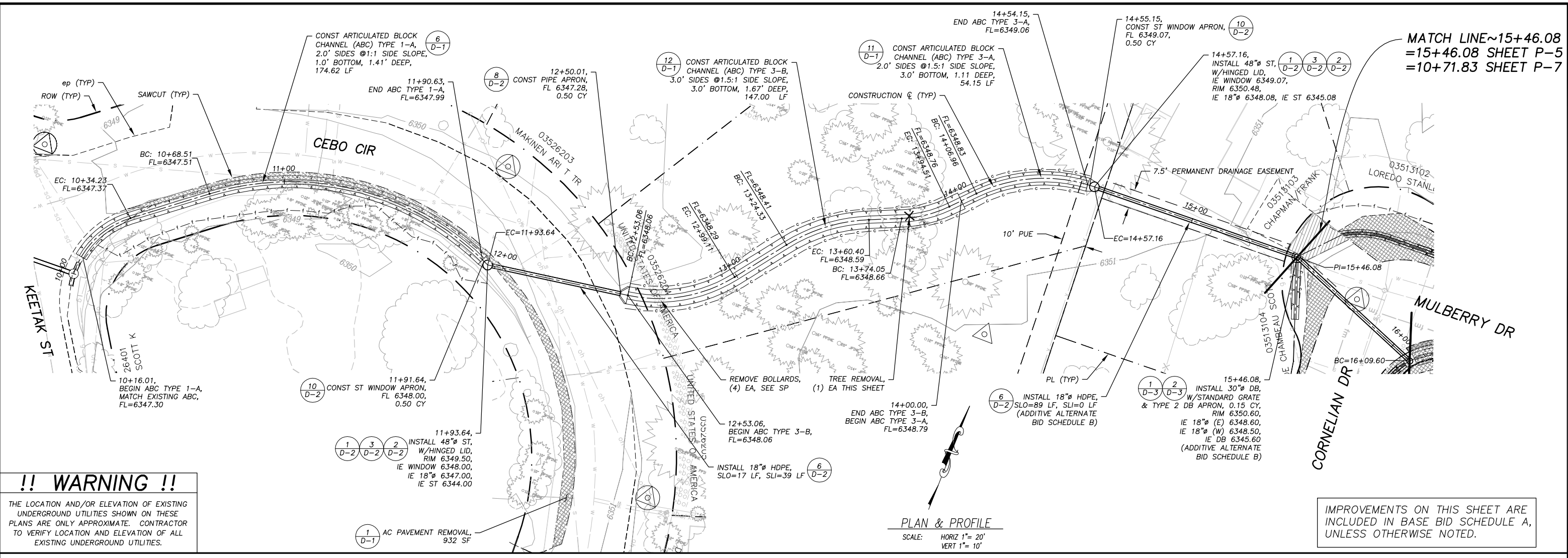


EL DORADO COUNTY
 DEPARTMENT OF TRANSPORTATION

CHRISTMAS VALLEY PHASE 2B EROSION CONTROL PROJECT
 PLAN & PROFILE
 BLITZEN RD STA 10+28.00 TO STA 12+16.09
 CIRUGU ST STA 10+25.00 TO STA 10+55.72

SHEET
P-3
 9 OF 27
 CONTRACT NO.
PW 09-30488
 CIP No.
95189

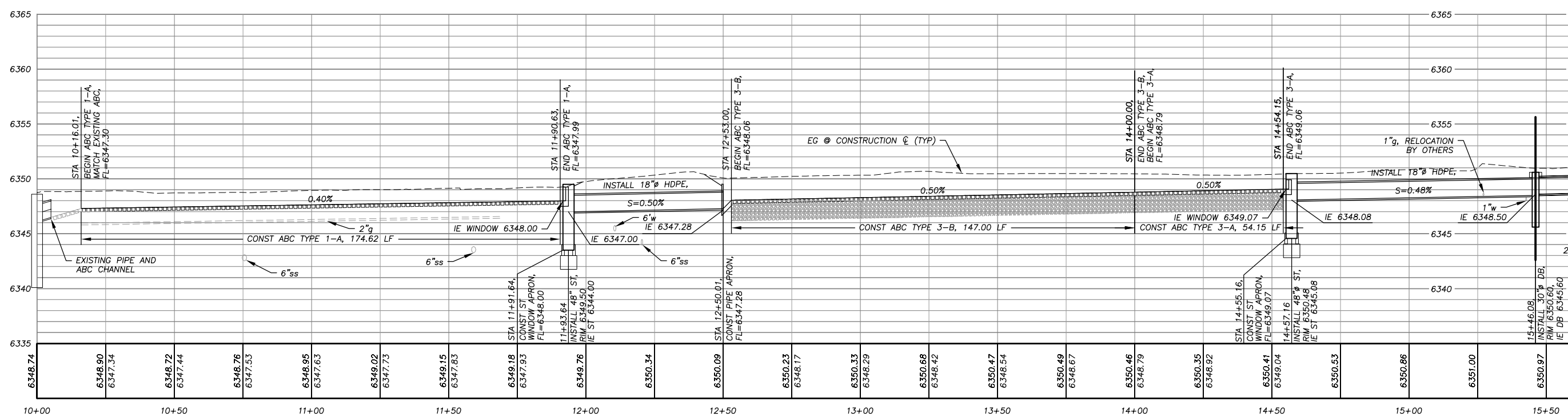
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 FOR REDUCED PLANS
 REVISION



!! WARNING !!
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IMPROVEMENTS ON THIS SHEET ARE INCLUDED IN BASE BID SCHEDULE A, UNLESS OTHERWISE NOTED.

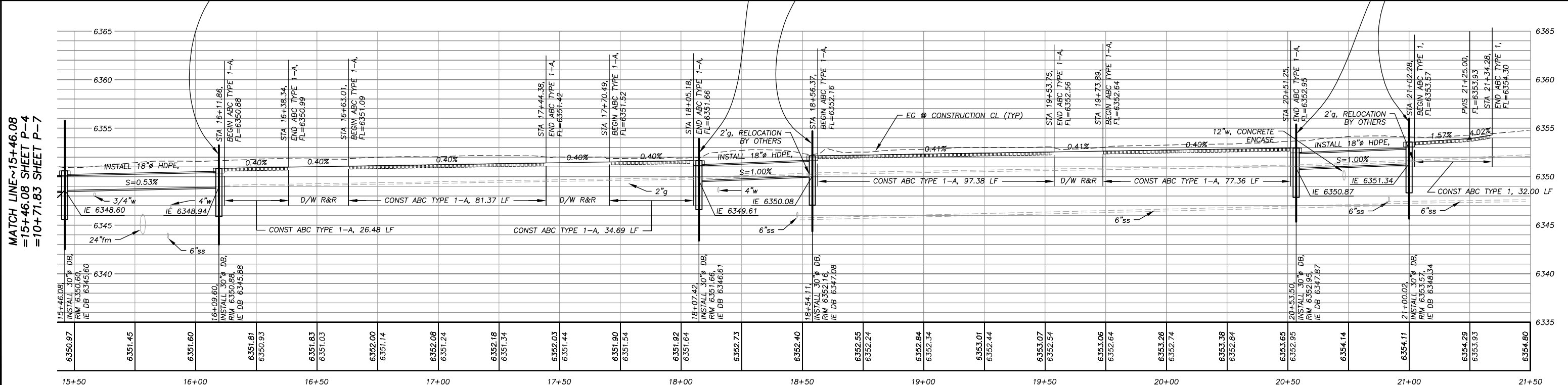
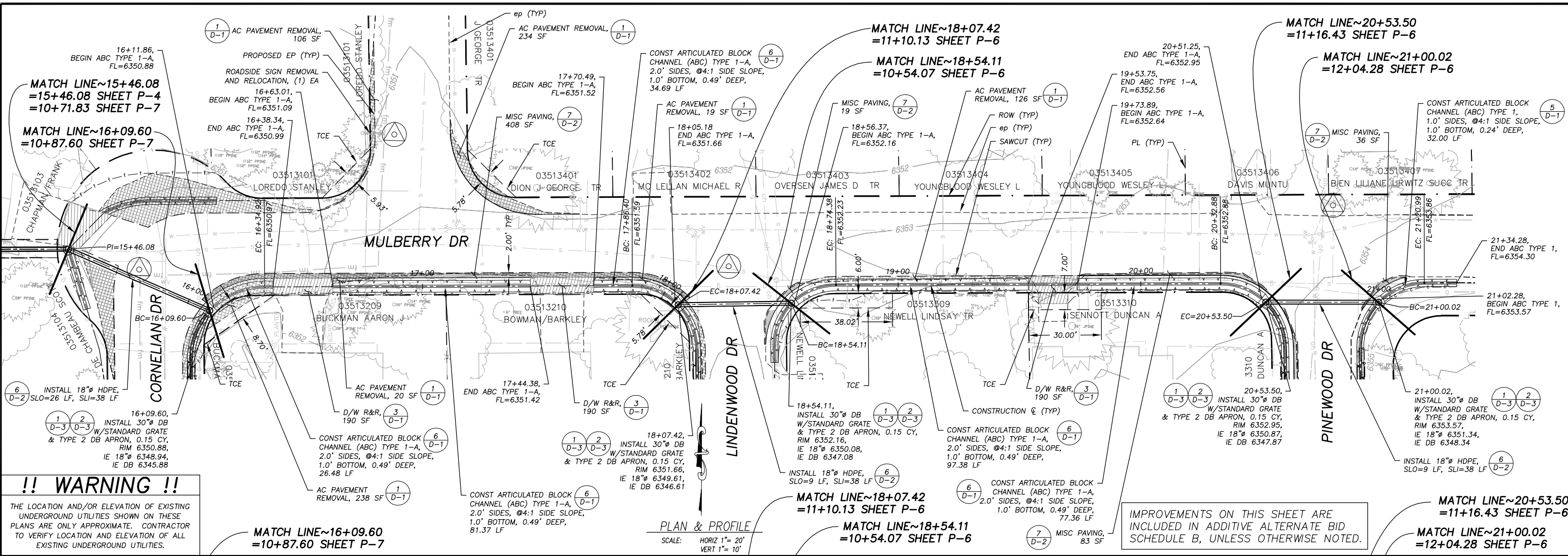
PLAN & PROFILE
 SCALE: HORIZ 1" = 20'
 VERT 1" = 10'



MATCH LINE ~ 15+46.08
 = 15+46.08 SHEET P-5
 = 10+71.83 SHEET P-7

<div style="border: 2px solid red; padding: 5px; color: red; font-weight: bold;"> REDUCED SIZE NOT TO SCALE </div>		PREPARED UNDER THE SUPERVISION OF: REGISTERED CIVIL ENGINEER	DESIGNED: TA CHECKED: DSP ROAD NUMBER: ####	DRAWN: TA DATE: 02/10	<p>EL DORADO COUNTY DEPARTMENT OF TRANSPORTATION</p>	<p>CHRISTMAS VALLEY PHASE 2B EROSION CONTROL PROJECT PLAN & PROFILE CEBO CIR STA 10+16.01 TO STA 15+46.08</p>	SHEET P-4 10 OF 27 CONTRACT NO. PW 09-30488 CIP No. 95189
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FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES



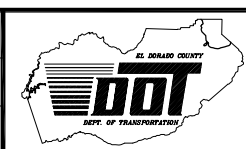
REVISION	NUMBER	DATE	DESCRIPTION	BY

REDUCED SIZE
 NOT TO SCALE



PREPARED UNDER THE SUPERVISION OF:
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 DATE: _____

DESIGNED: TA
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 DATE: 02/10
 ROAD NUMBER: ###

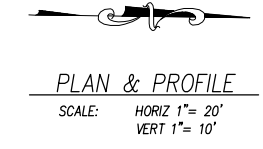
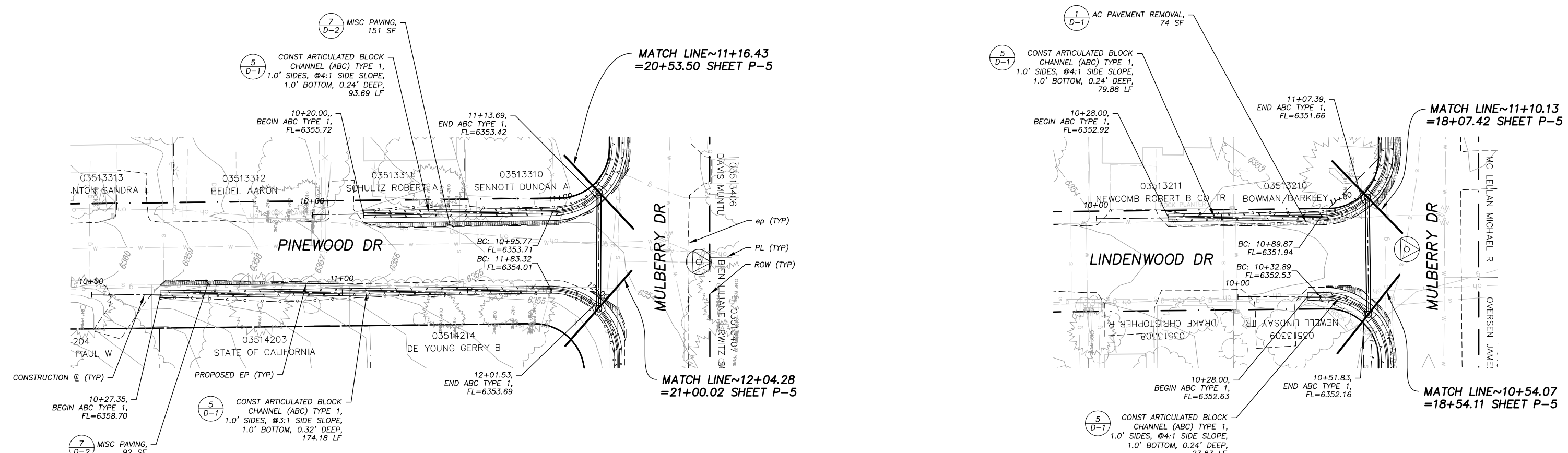


EL DORADO COUNTY
 DEPARTMENT OF TRANSPORTATION

CHRISTMAS VALLEY PHASE 2B EROSION CONTROL PROJECT
 PLAN & PROFILE
 MULBERRY DR STA 15+46.08 TO STA 21+34.28

SHEET
P-5
 11 OF 27
 CONTRACT NO.
PW 09-30488
 CIP No.
95189

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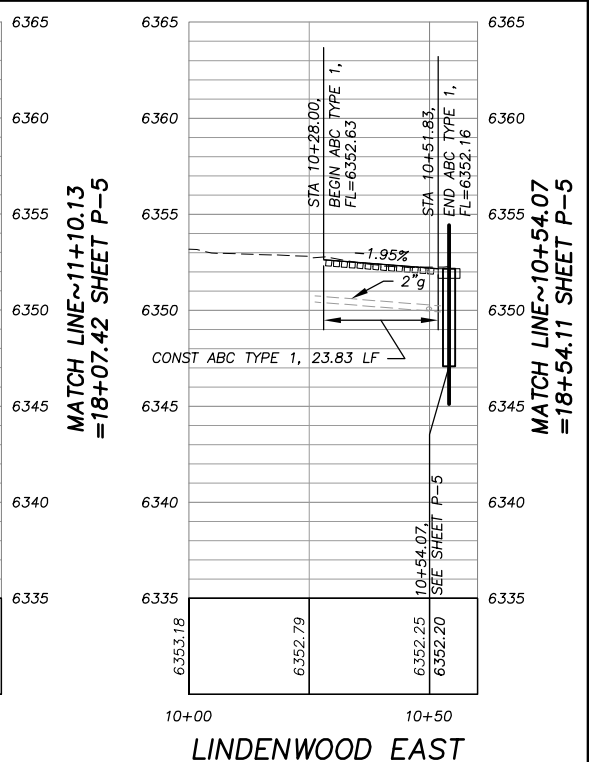
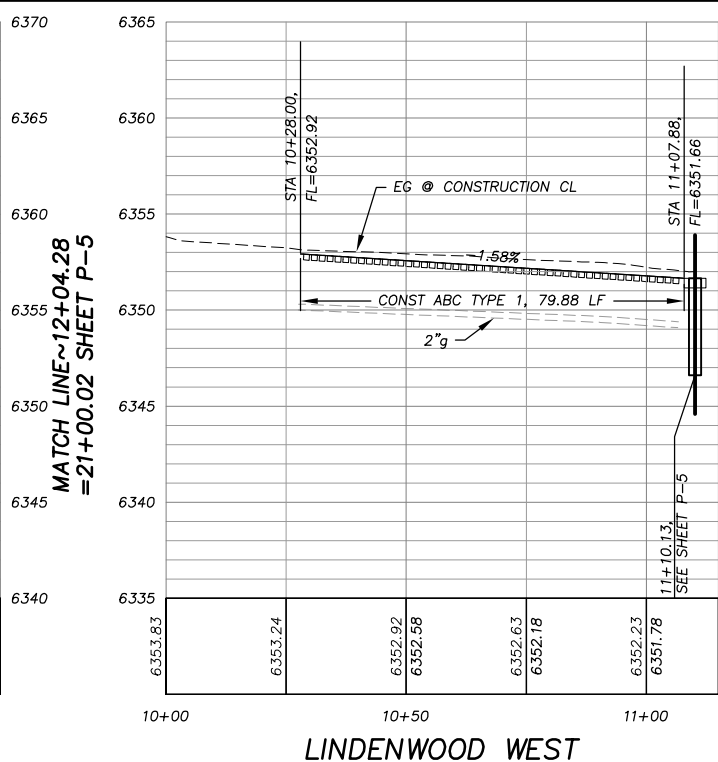
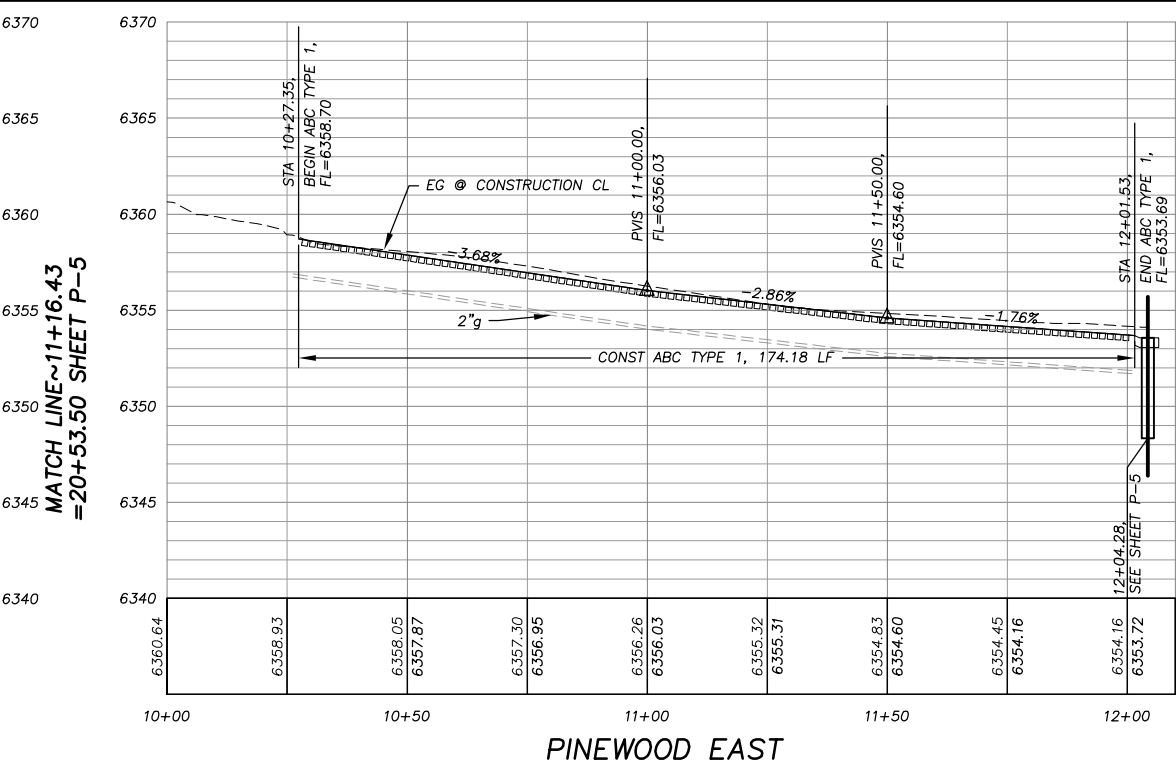
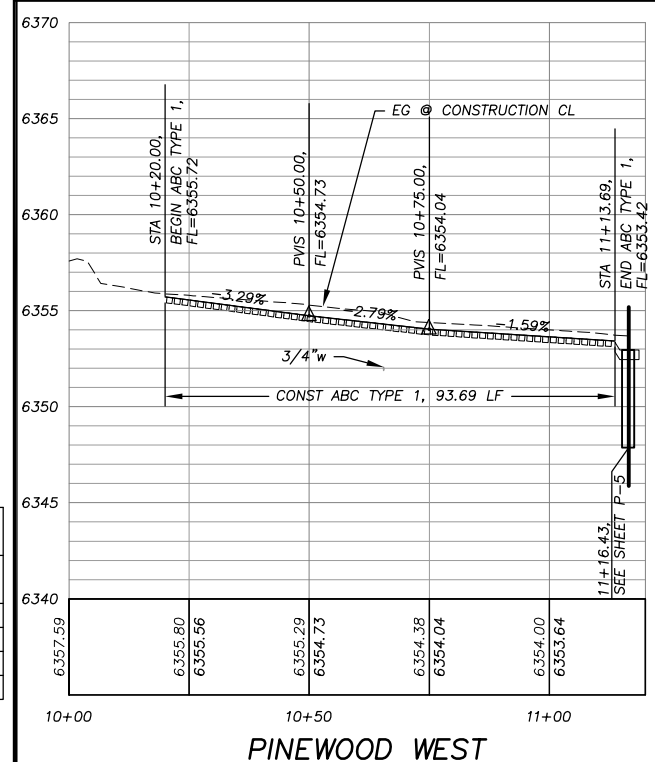


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!! WARNING !!

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.

2 ORIGINAL SCALE IS IN INCHES



REVISION	NUMBER	DATE	DESCRIPTION	BY
REDUCED SIZE NOT TO SCALE				



PREPARED UNDER THE SUPERVISION OF:

REGISTERED CIVIL ENGINEER

DATE:

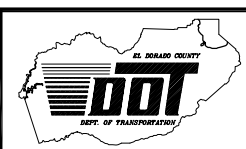
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DRAWN: TA

CHECKED: DSP

DATE: 02/10

ROAD NUMBER: ###



EL DORADO COUNTY

DEPARTMENT OF TRANSPORTATION

CHRISTMAS VALLEY PHASE 2B EROSION CONTROL PROJECT

PLAN & PROFILE

LINDENWOOD DR STA 10+28.00 TO STA 11+07.39

PINWOOD DR STA 10+27.35 TO STA 12+01.53

SHEET **P-6**

12 OF 27

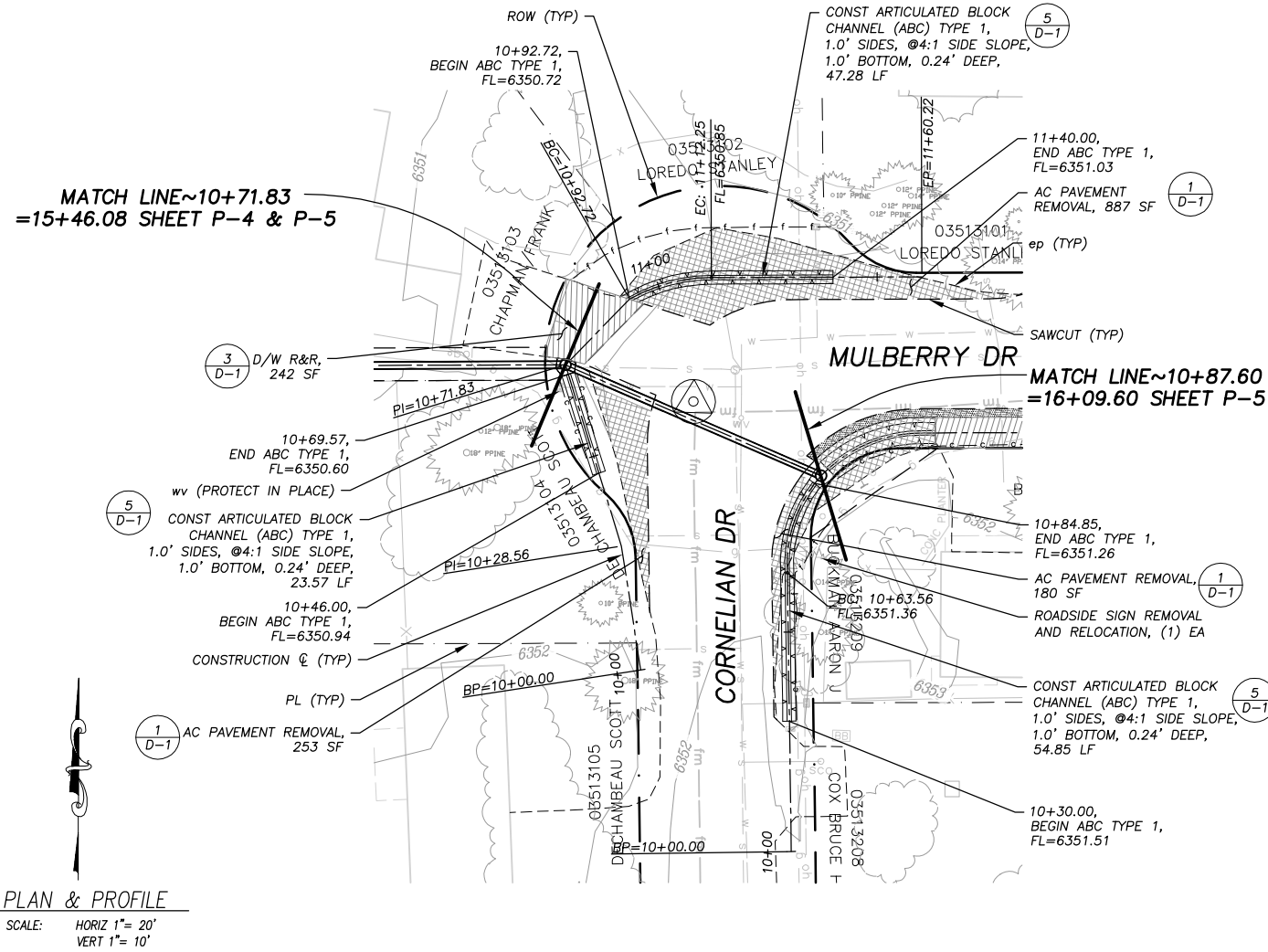
CONTRACT NO. **PW 09-30488**

CIP No. **95189**

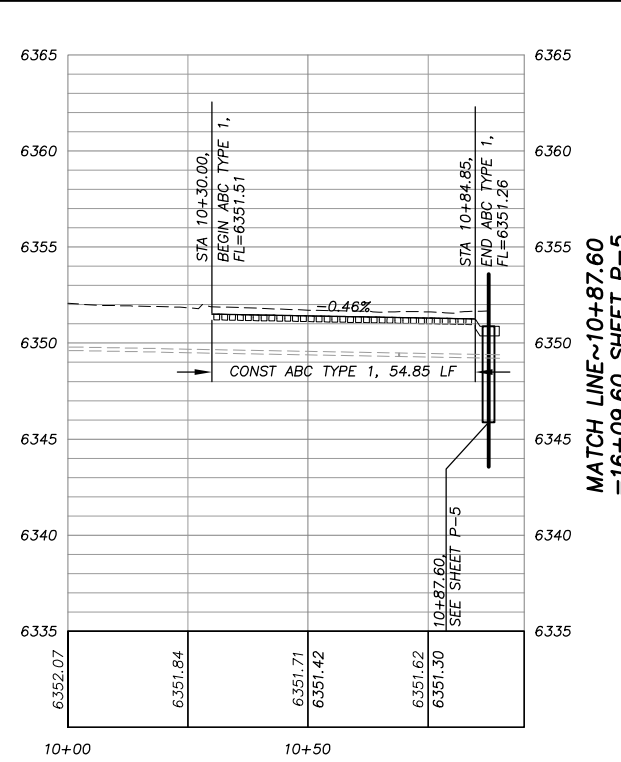
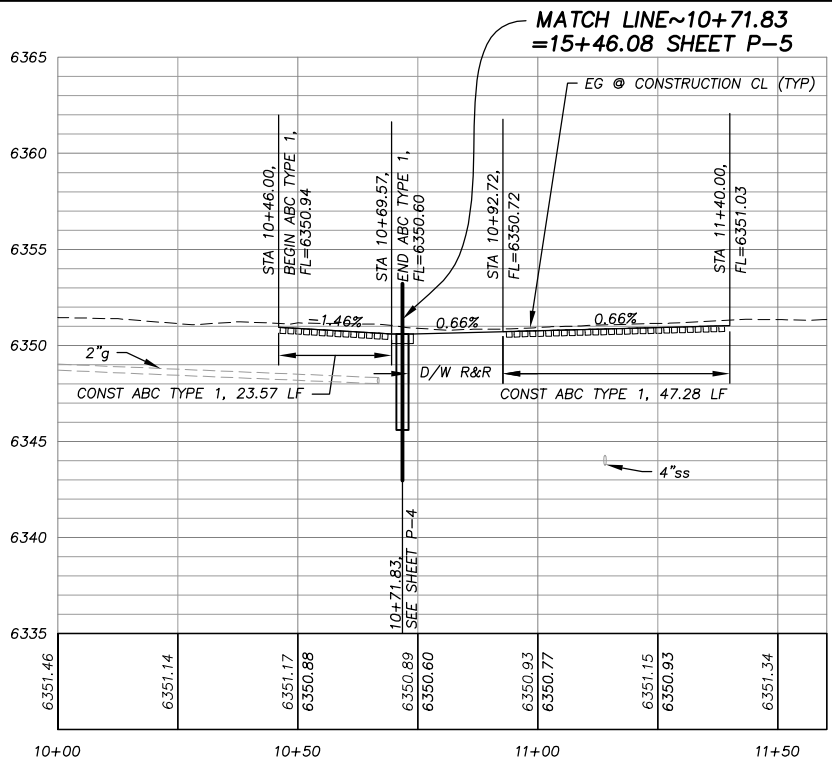
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FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES

!! WARNING !!
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IMPROVEMENTS ON THIS SHEET ARE INCLUDED IN ADDITIVE ALTERNATE BID SCHEDULE B, UNLESS OTHERWISE NOTED.



REDUCED SIZE
NOT TO SCALE



PREPARED UNDER THE SUPERVISION OF:
 REGISTERED CIVIL ENGINEER

DESIGNED: TA
 DRAWN: CAD
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 DATE: 02/10
 ROAD NUMBER: ####

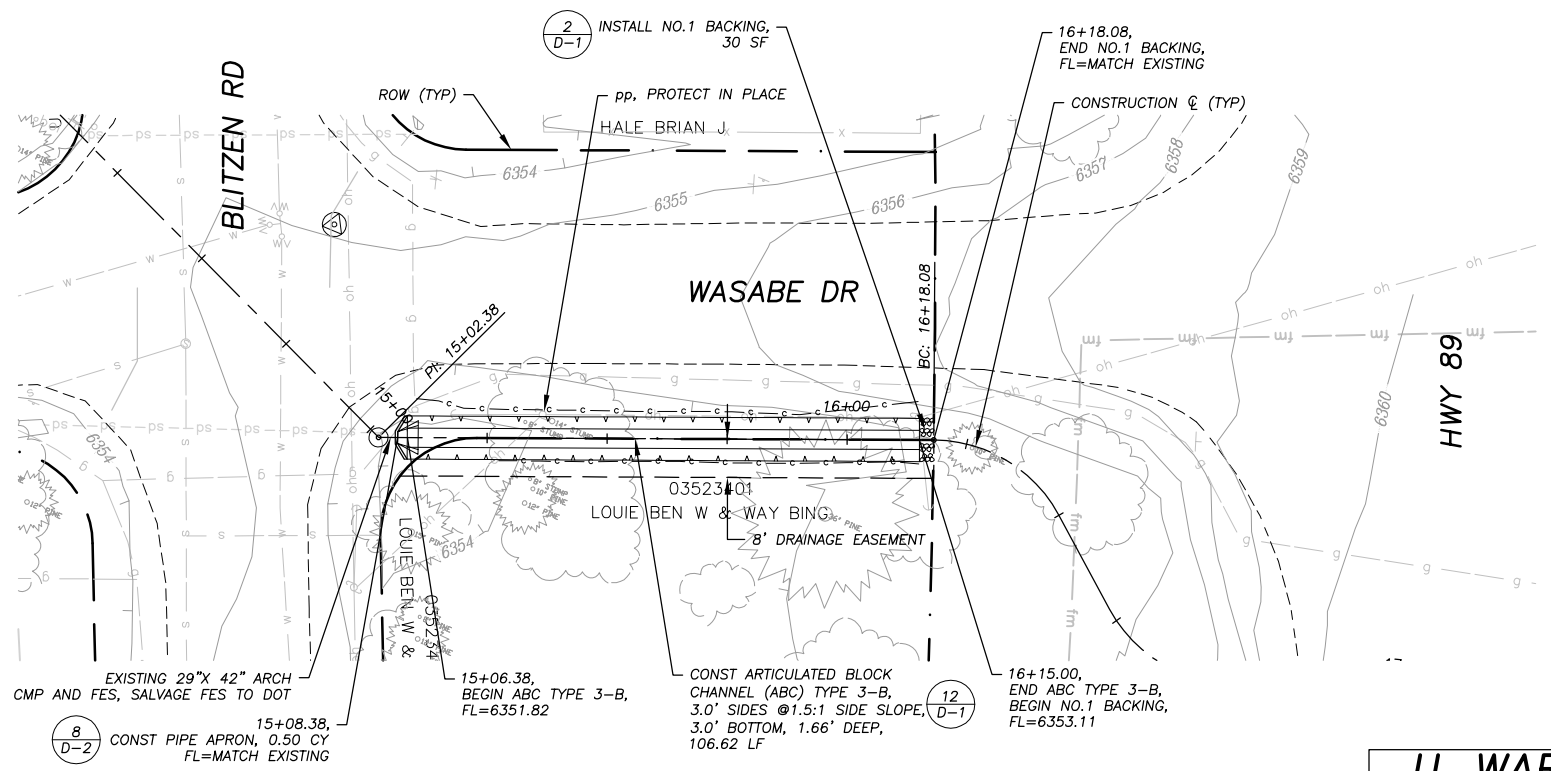


EL DORADO COUNTY
 DEPARTMENT OF TRANSPORTATION

CHRISTMAS VALLEY PHASE 2B EROSION CONTROL PROJECT
 PLAN & PROFILE
 CORNELIAN DR & MULBERRY DR
 STA 10+30.00 TO STA 11+50.00

SHEET P-7
 13 OF 27
 CONTRACT NO. PW 09-30488
 CIP No. 95189

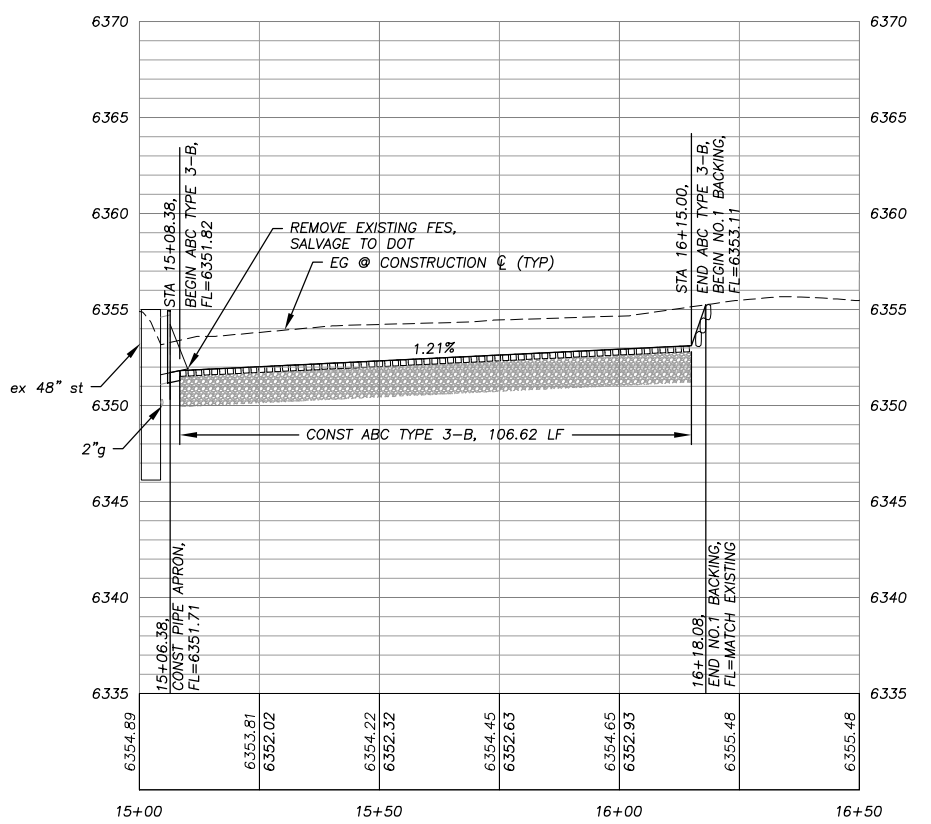
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 ORIGINAL SCALE IS IN INCHES
 FOR REDUCED PLANS
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PLAN & PROFILE
 SCALE: HORIZ 1" = 20'
 VERT 1" = 10'

IMPROVEMENTS ON THIS SHEET ARE INCLUDED IN ADDITIVE ALTERNATE BID SCHEDULE B, UNLESS OTHERWISE NOTED.

!! 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.



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REVISION NUMBER DATE DESCRIPTION BY		

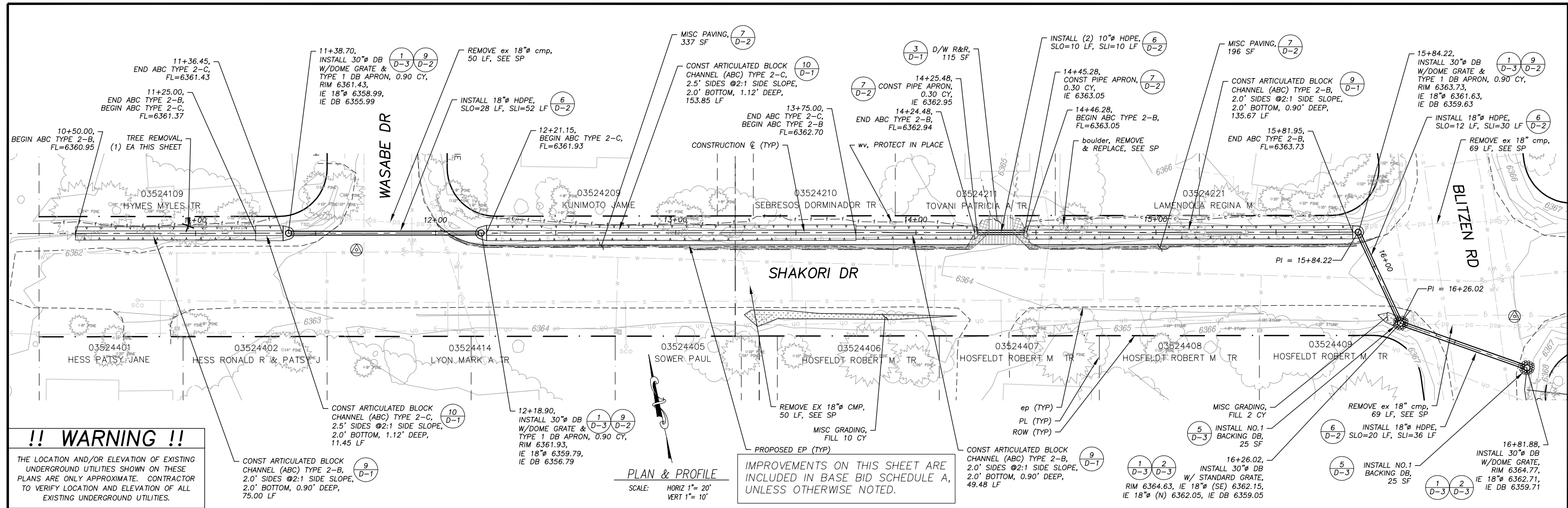
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EL DORADO COUNTY
 DEPARTMENT OF TRANSPORTATION

CHRISTMAS VALLEY PHASE 2B EROSION CONTROL PROJECT
 PLAN & PROFILE
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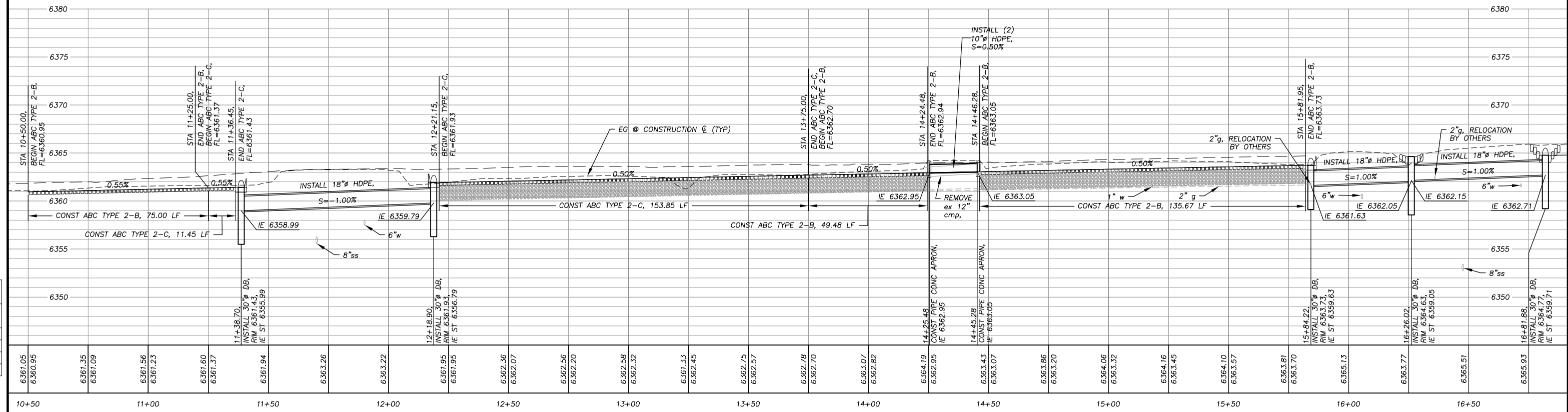
SHEET
P-8
 14 OF 27
 CONTRACT NO.
PW 09-30488
 CIP No.
95189

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 ORIGINAL SCALE IS IN INCHES
 FOR REDUCED PLANS



!! WARNING !!
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IMPROVEMENTS ON THIS SHEET ARE INCLUDED IN BASE BID SCHEDULE A, UNLESS OTHERWISE NOTED.
 SCALE: HORIZ 1" = 20' VERT 1" = 10'

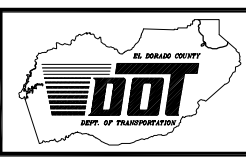


REVISION	NUMBER	DATE	DESCRIPTION	BY



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

DESIGNED: TA
 DRAWN: TA
 CHECKED: DSP
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 ROAD NUMBER: ####



EL DORADO COUNTY
 DEPARTMENT OF TRANSPORTATION

CHRISTMAS VALLEY PHASE 2B EROSION CONTROL PROJECT
 PLAN & PROFILE
 SHAKORI DR STA 10+50.00 TO STA 16+81.88

SHEET P-9
 15 OF 27
 CONTRACT NO. PW 09-30488
 CIP No. 95189

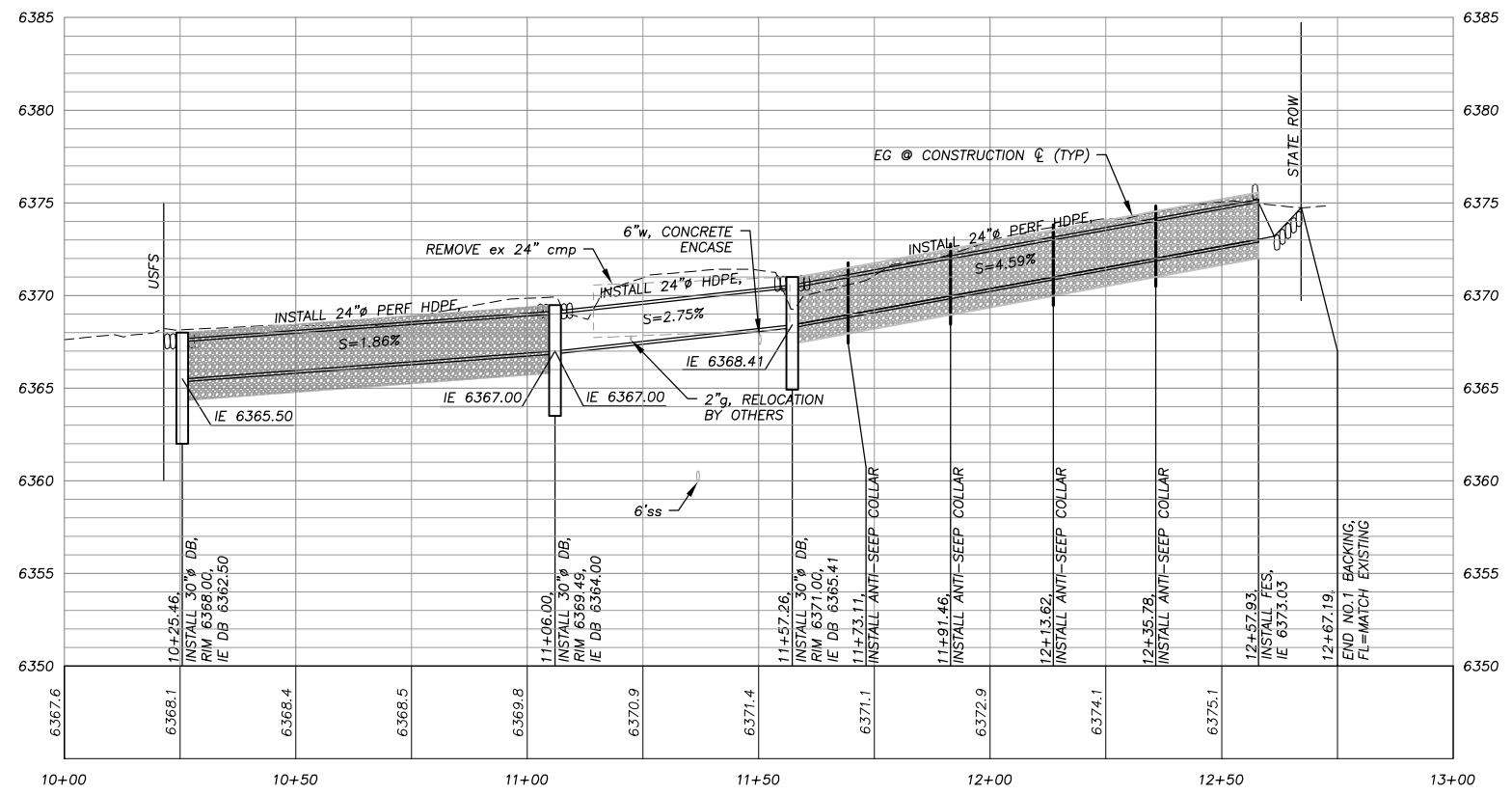
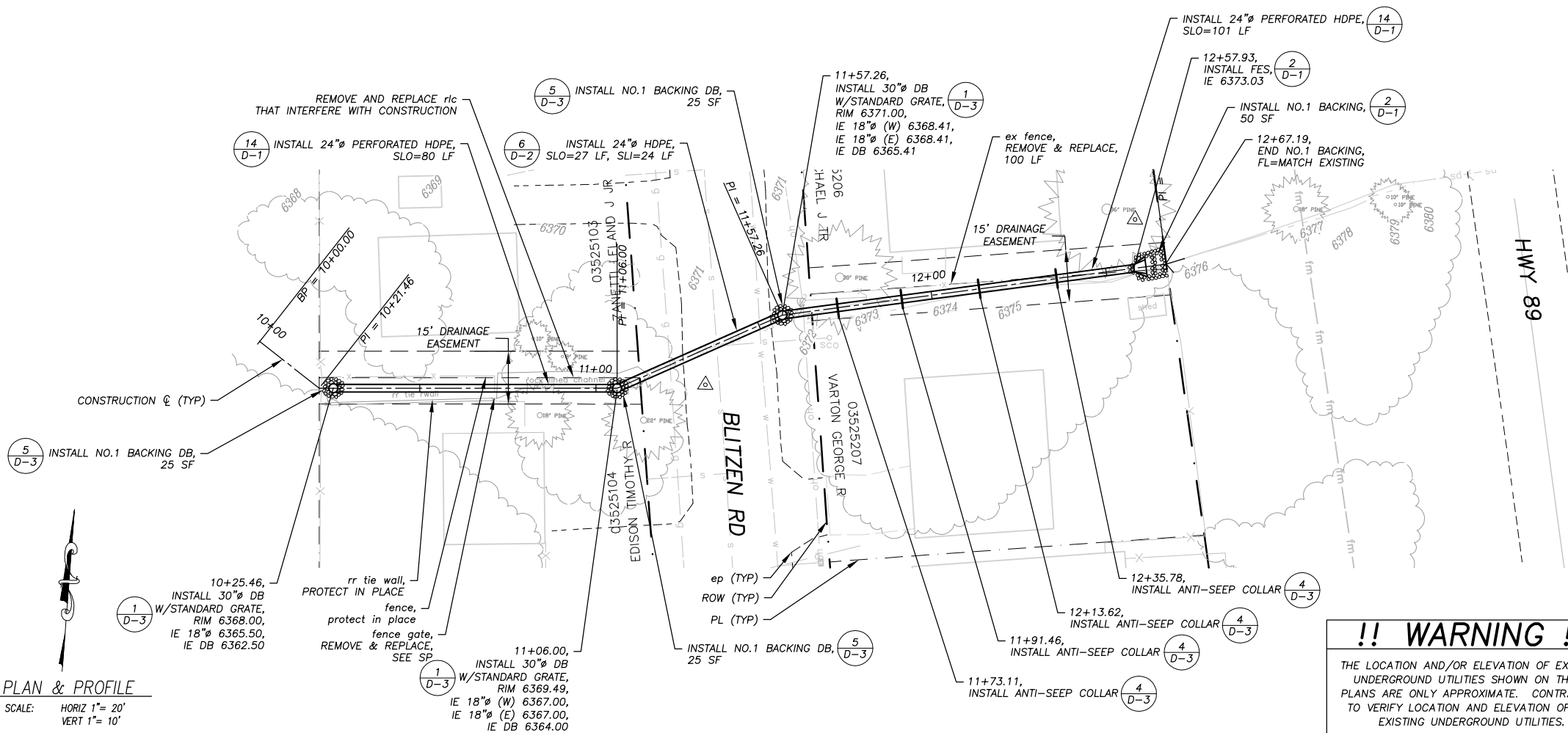
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ORIGINAL SCALE IS IN INCHES

FOR REDUCED PLANS

IMPROVEMENTS ON THIS SHEET ARE INCLUDED IN BASE BID SCHEDULE A, UNLESS OTHERWISE NOTED.

PLAN & PROFILE
SCALE: HORIZ 1" = 20'
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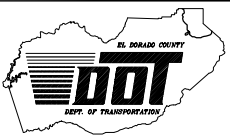


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PREPARED UNDER THE SUPERVISION OF:
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ROAD NUMBER: ####



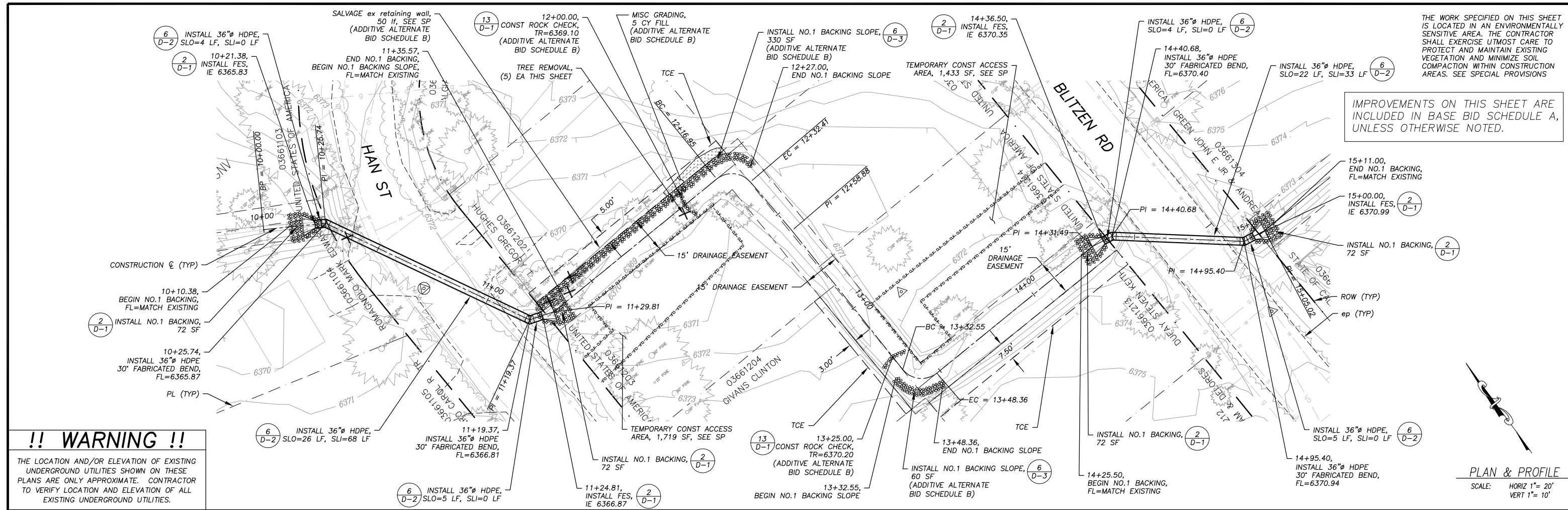
EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION

CHRISTMAS VALLEY PHASE 2B EROSION CONTROL PROJECT
PLAN & PROFILE
BLITZEN RD STA 10+25.46 TO STA 12+67.19

SHEET **P-10**
16 OF 27
CONTRACT NO. **PW 09-30488**
CIP No. **95189**

THE WORK SPECIFIED ON THIS SHEET IS LOCATED IN AN ENVIRONMENTALLY SENSITIVE AREA. THE CONTRACTOR SHALL EXERCISE UTMOST CARE TO PROTECT AND MAINTAIN EXISTING VEGETATION AND MINIMIZE SOIL COMPACTION WITHIN CONSTRUCTION AREAS. SEE SPECIAL PROVISIONS

IMPROVEMENTS ON THIS SHEET ARE INCLUDED IN BASE BID SCHEDULE A, UNLESS OTHERWISE NOTED.

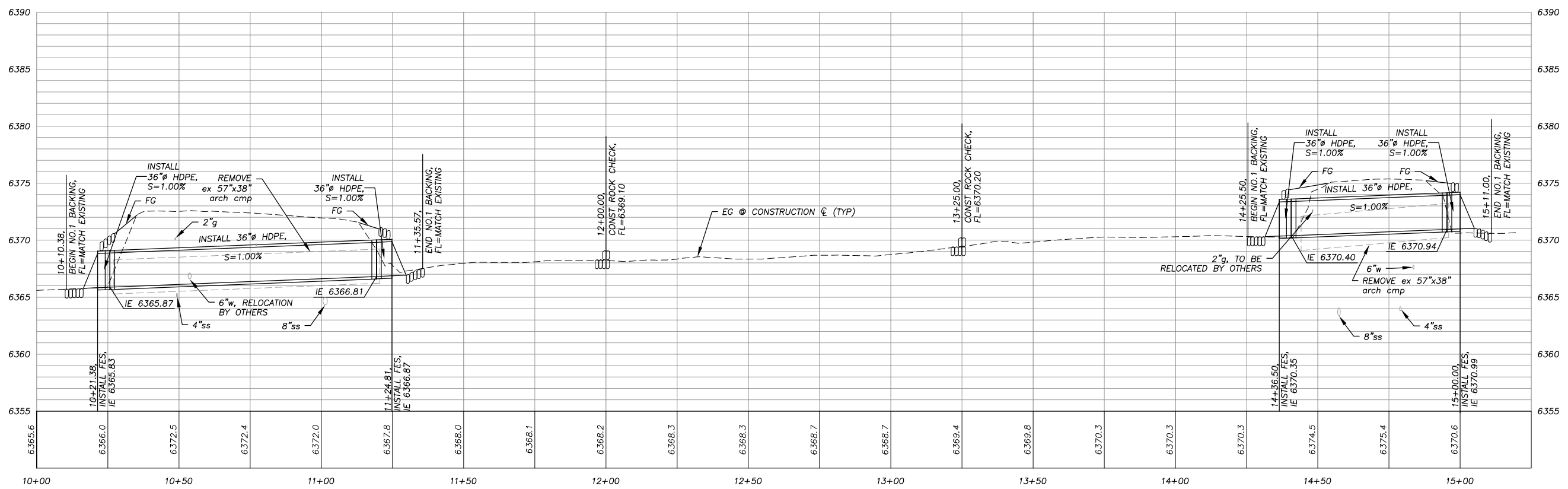


!! WARNING !!

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PLAN & PROFILE
SCALE: HORIZ 1" = 20'
VERT 1" = 10'

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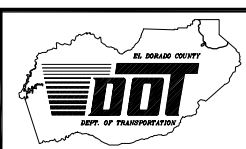


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CHECKED: DSP
DATE: 02/10
ROAD NUMBER: ###

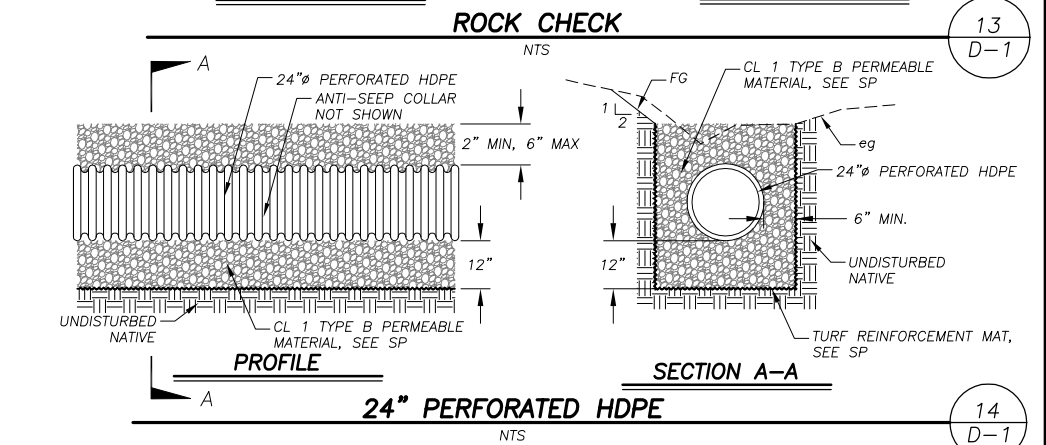
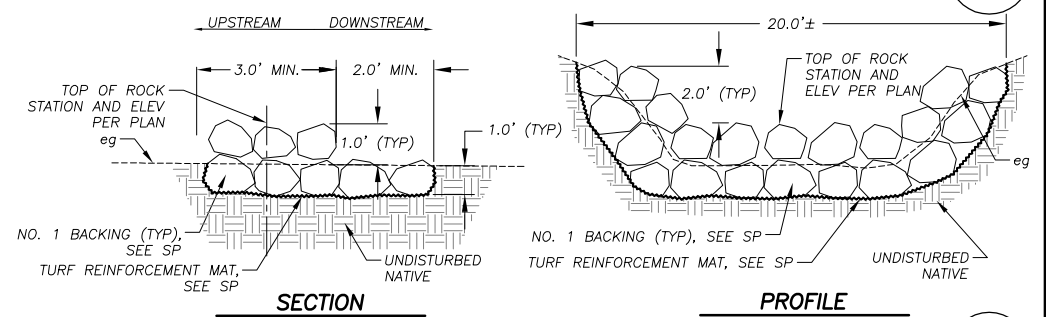
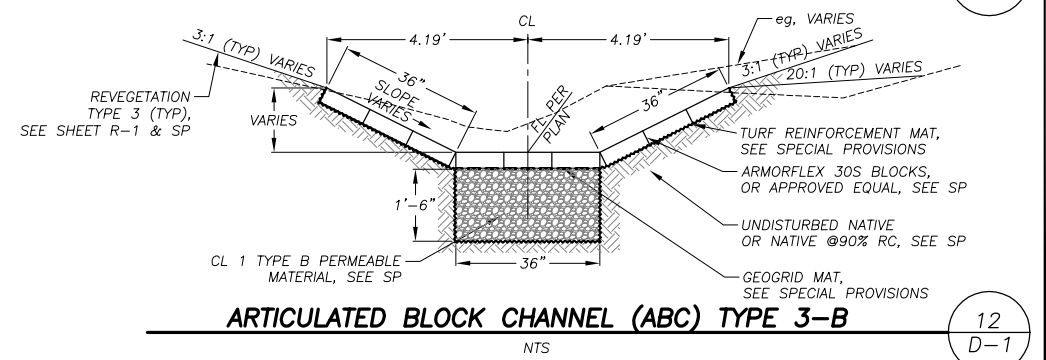
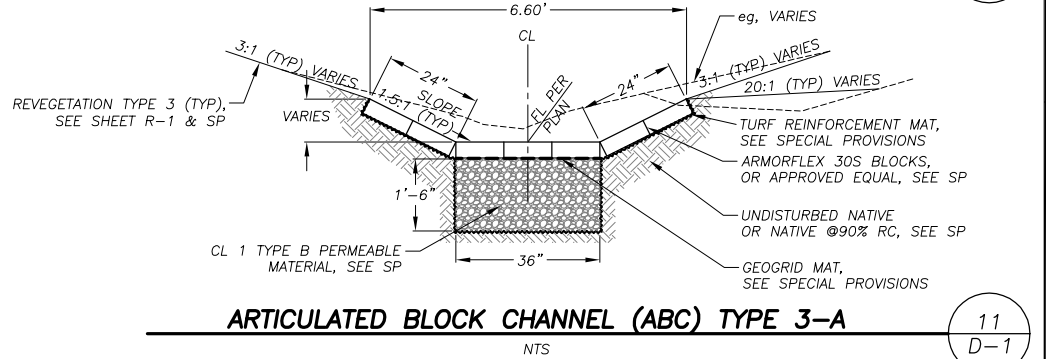
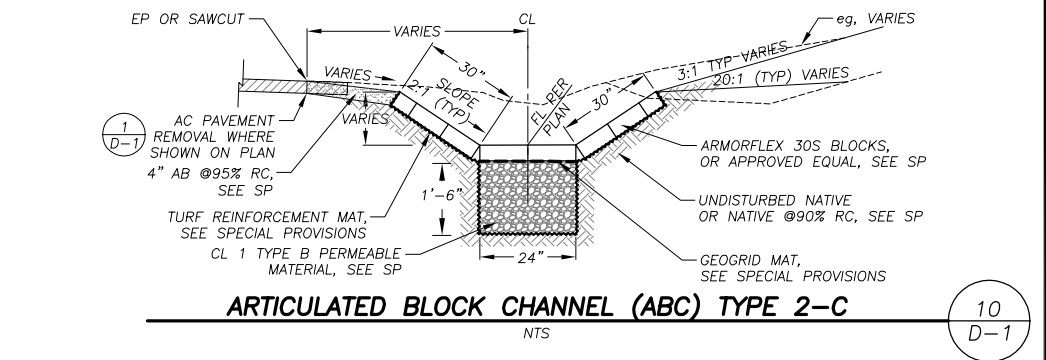
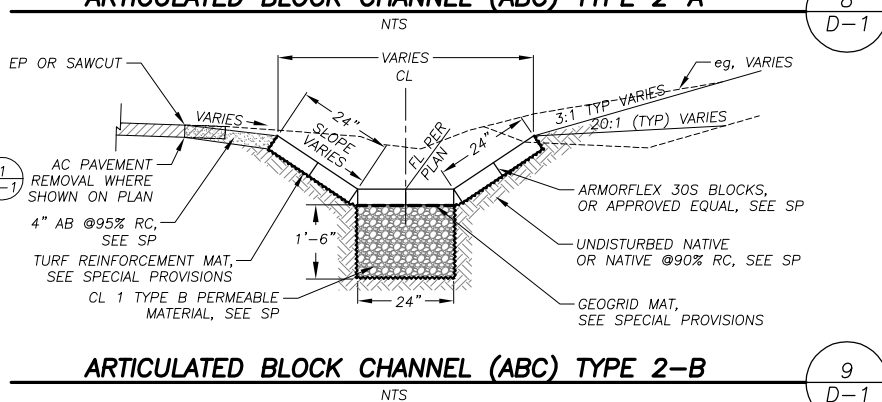
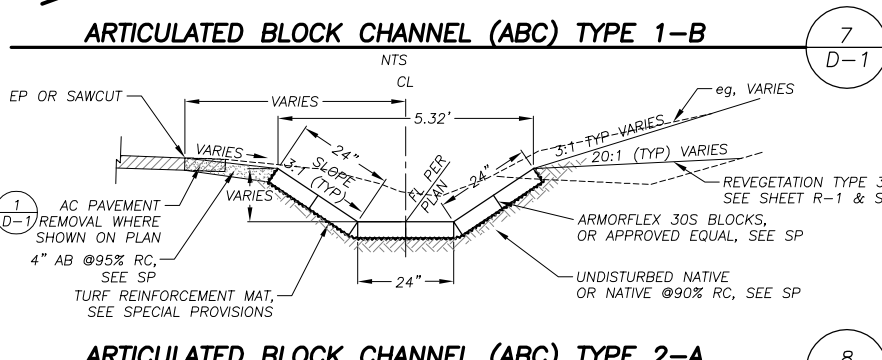
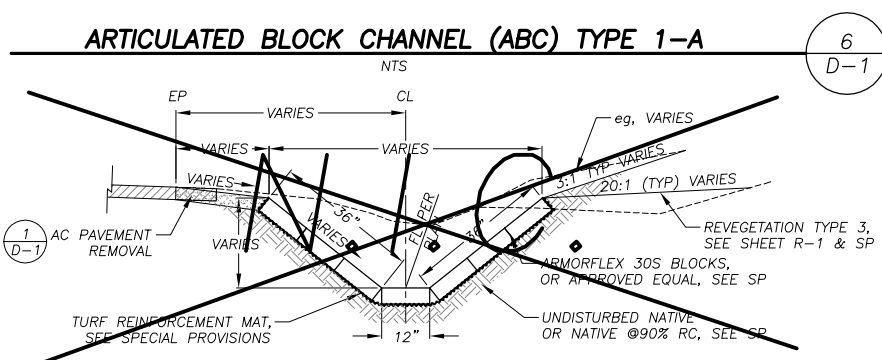
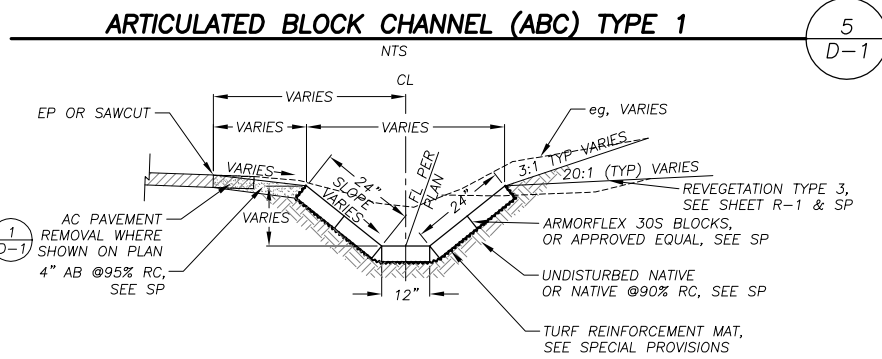
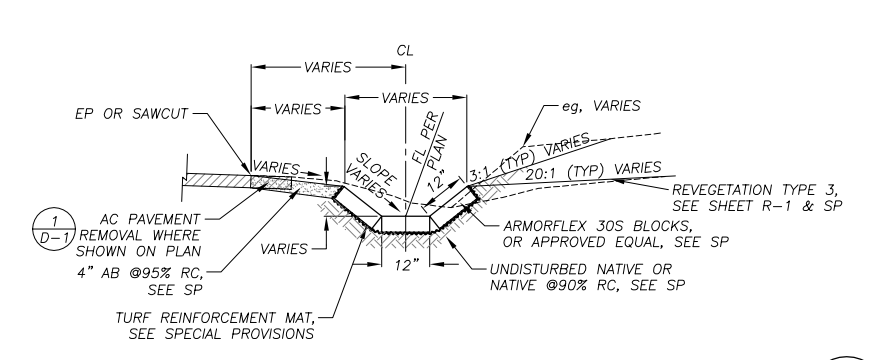
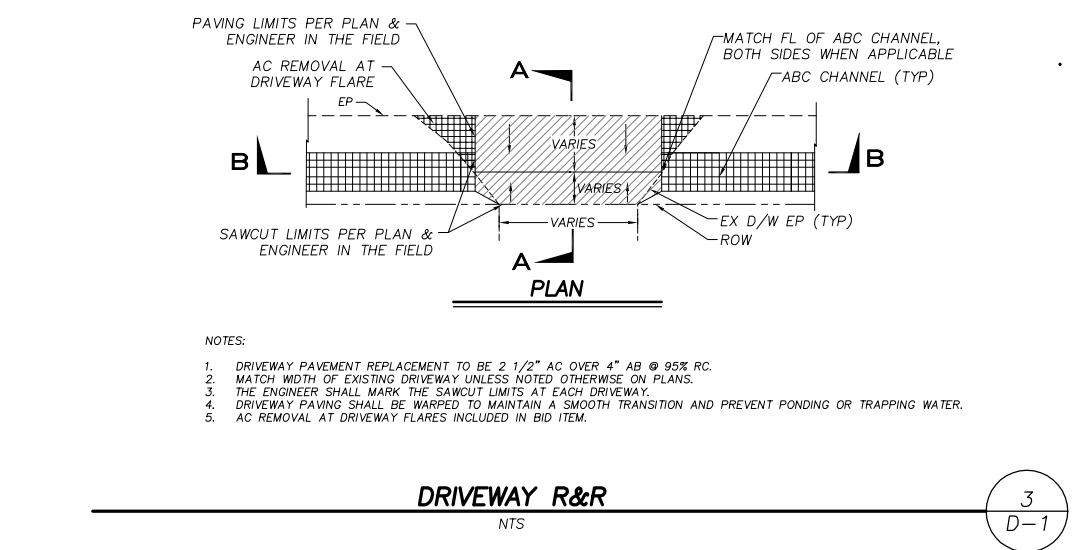
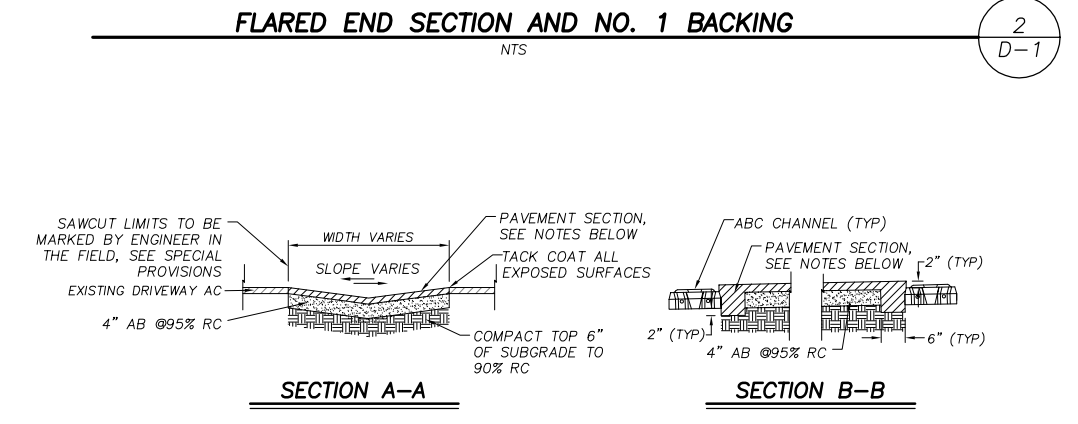
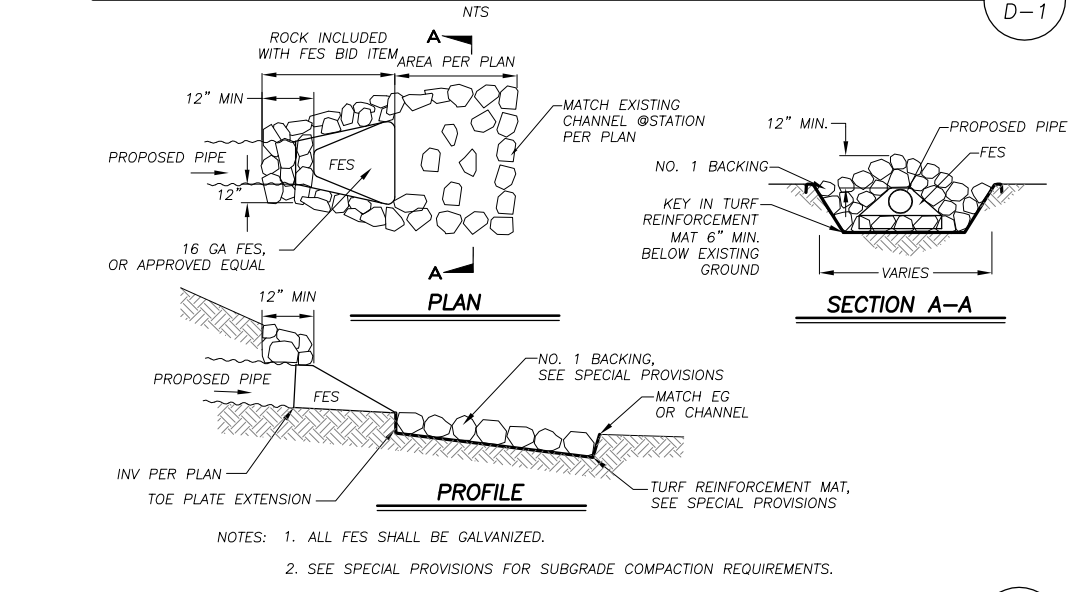
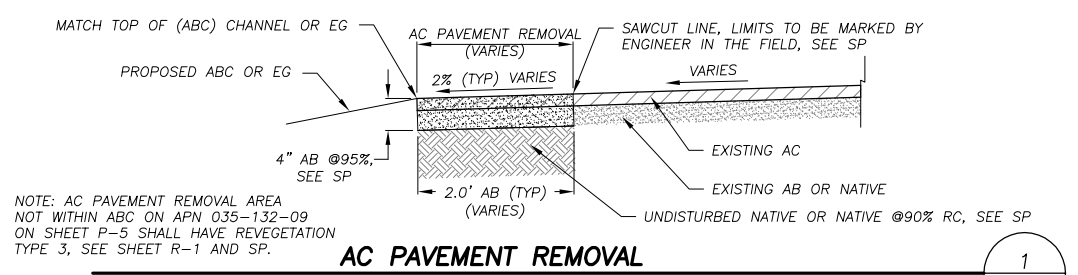


EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION

CHRISTMAS VALLEY PHASE 2B EROSION CONTROL PROJECT
PLAN & PROFILE
HAN ST STA 10+10.38 TO STA 15+11.00

SHEET
P-11
17 OF 27
CONTRACT NO.
PW 09-30488
CIP No.
95189

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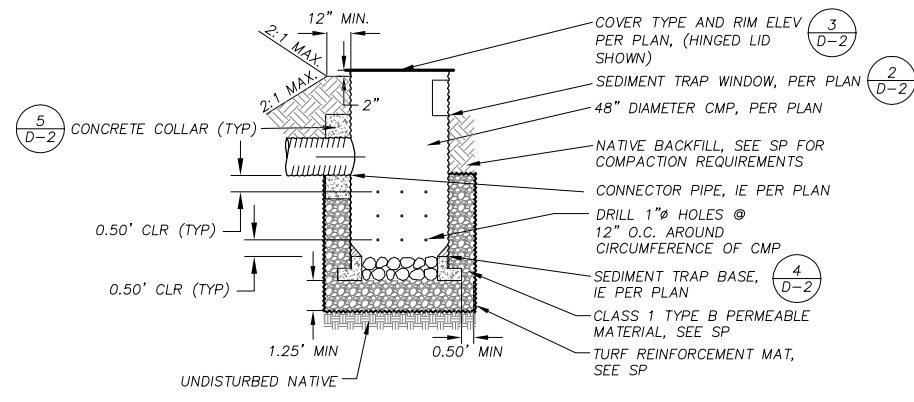


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			REGISTERED CIVIL ENGINEER	CHECKED: DSP	DATE: 02/10
NUMBER	DATE	DESCRIPTION	DATE:	ROAD NUMBER: ####	

EL DORADO COUNTY
 DEPARTMENT OF TRANSPORTATION
 CHRISTMAS VALLEY PHASE 2B EROSION CONTROL PROJECT
 DETAILS

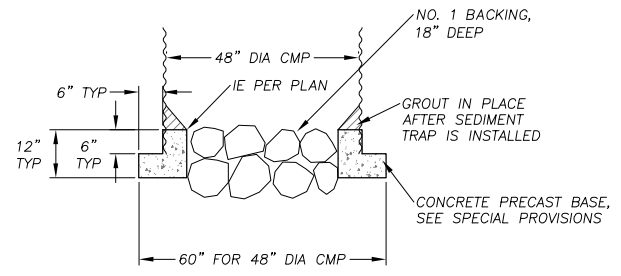
SHEET D-1
 18 OF 27
 CONTRACT NO. PW 09-30488
 CIP No. 95189
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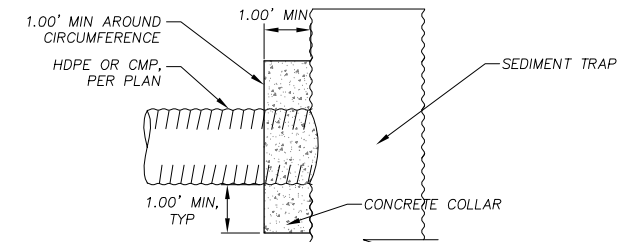
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1
D-2



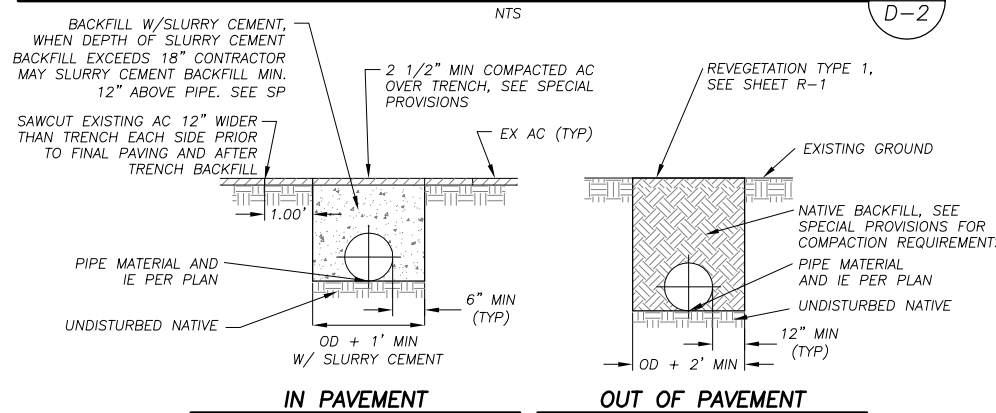
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4
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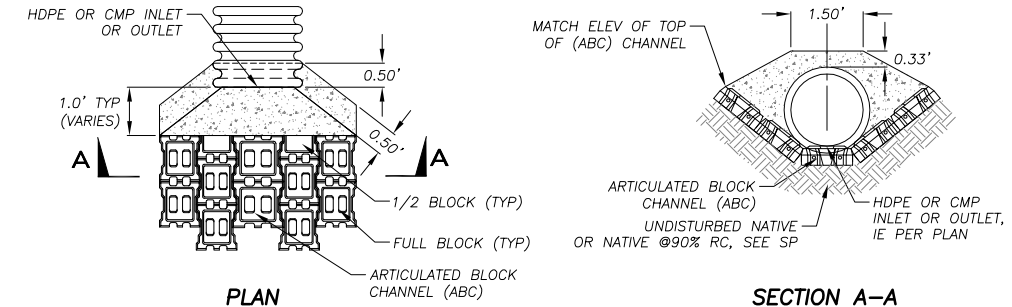
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5
D-2



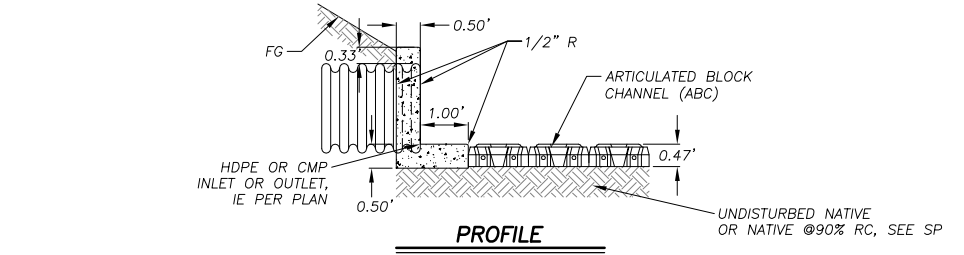
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6
D-2



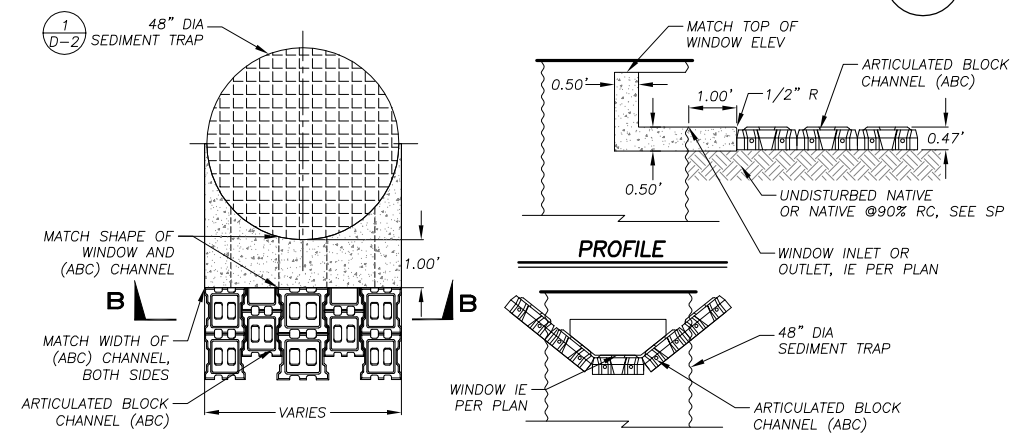
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8
D-2



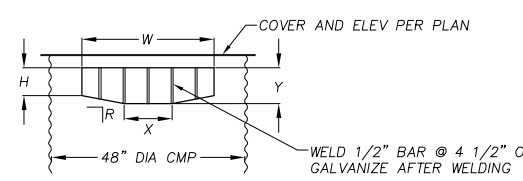
TYPE 1 DRAIN BASIN (DB) GRATE APRON
NTS

9
D-2



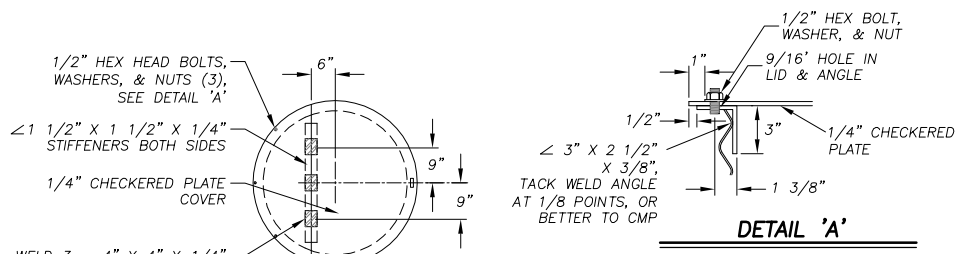
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NTS

10
D-2



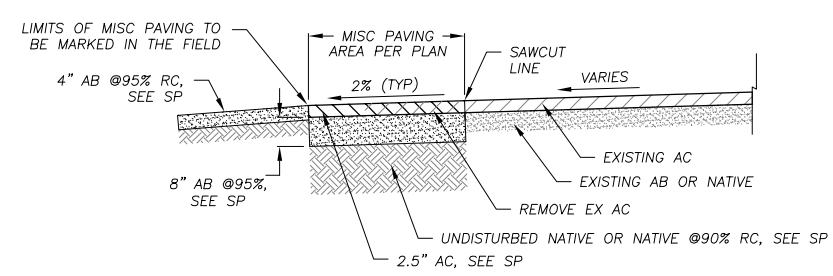
SEDIMENT TRAP (ST) WINDOW
NTS

2
D-2



HINGED LID
NTS

3
D-2



MISCELLANEOUS PAVING
NTS

7
D-2

PLAN SHEET	STREET AND STATION	BOTTOM WIDTH, (X)	DEPTH, (Y)	WIDTH (W)	HEIGHT (H)	SLOPE RATIO, R
P-4	CEBO CIR 11+93.64	1.00'	1.25'	3.50'	0.00'	1:1
P-4	14+57.16	3.00'	1.00'	4.00'	0.67'	1.5:1

REDUCED SIZE
 NOT TO SCALE



PREPARED UNDER THE SUPERVISION OF:
 REGISTERED CIVIL ENGINEER
 DATE:

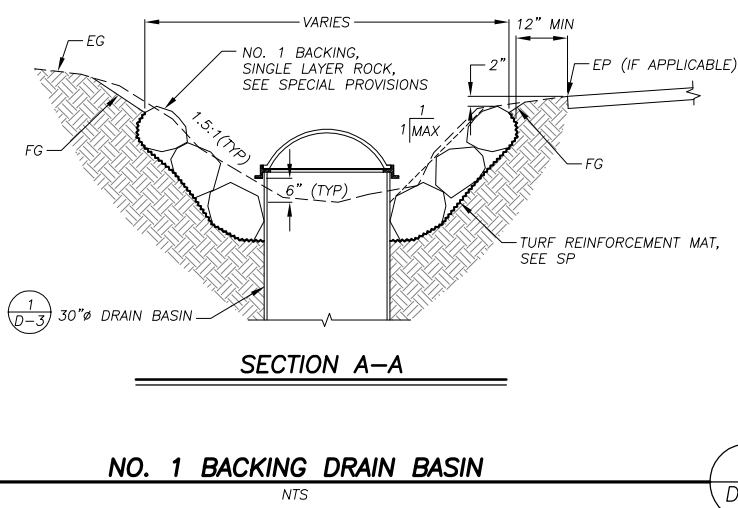
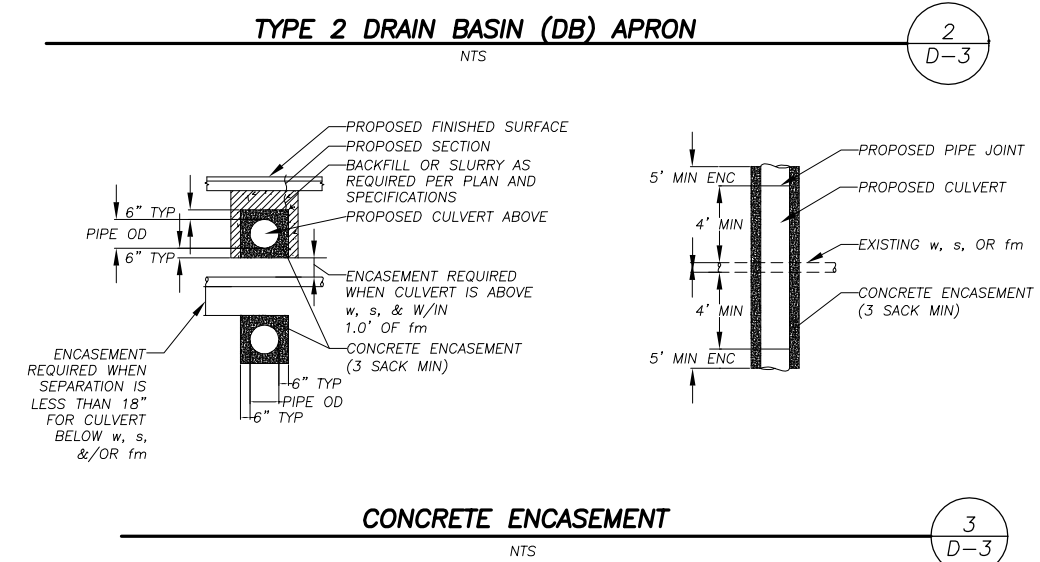
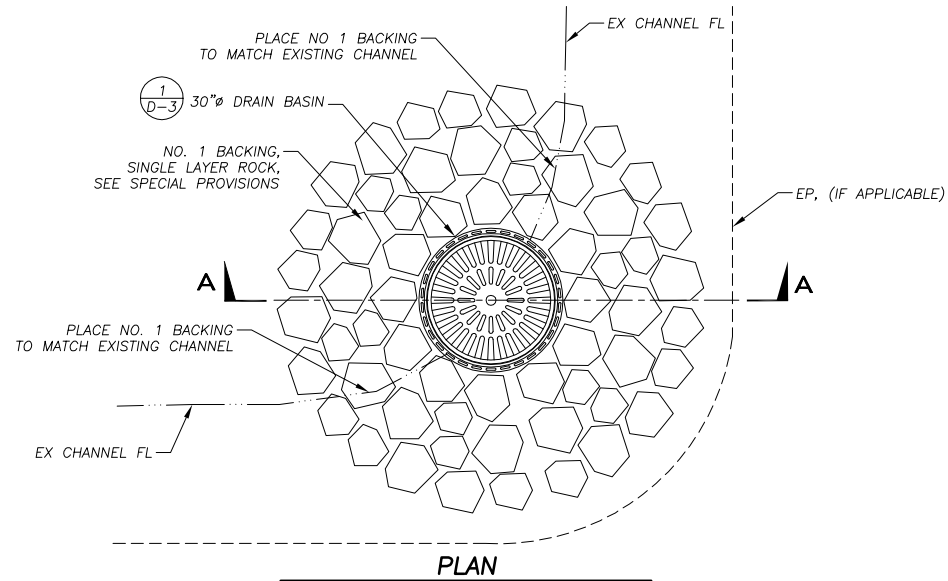
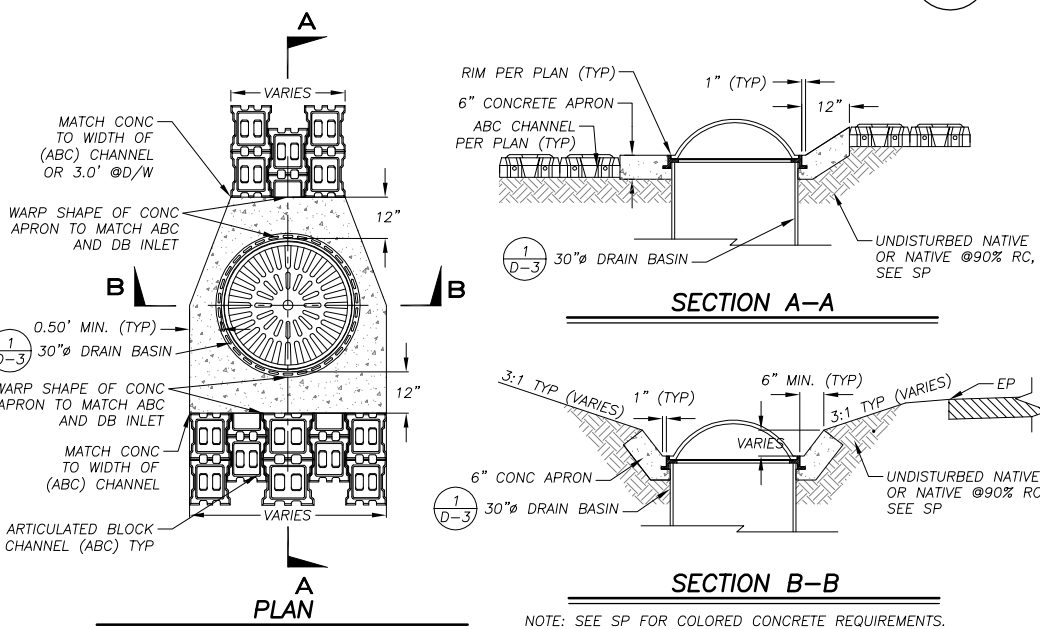
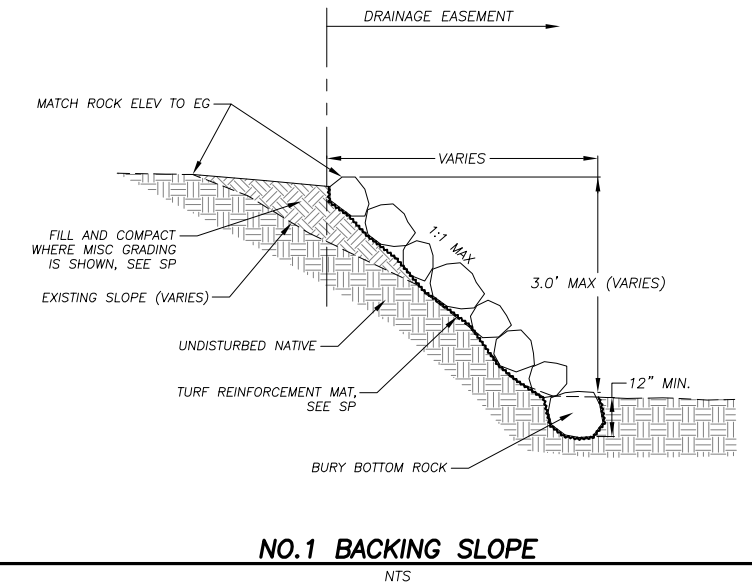
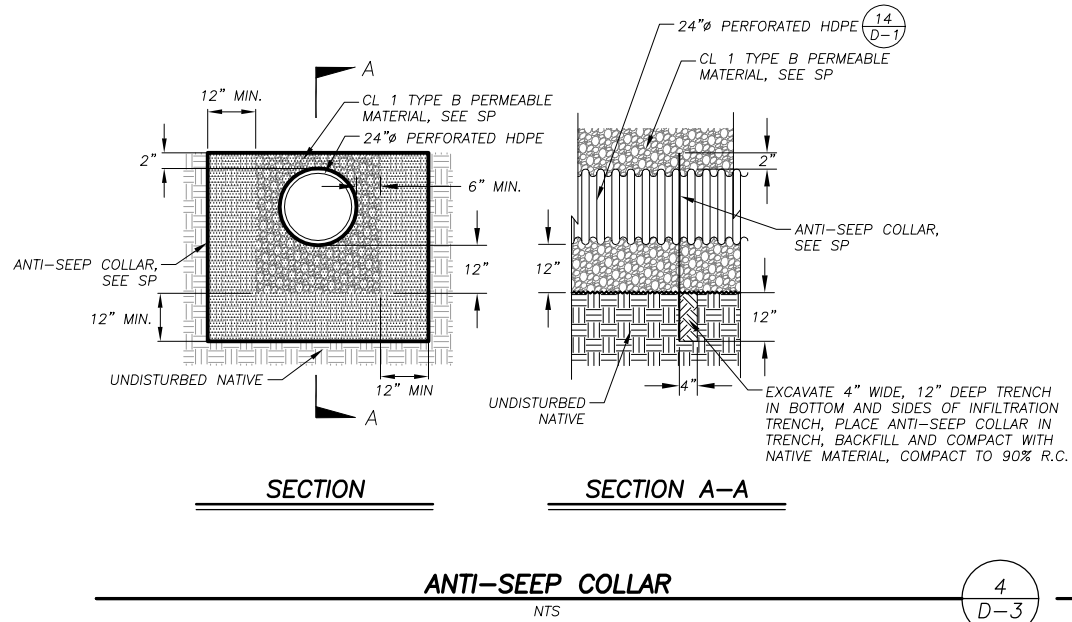
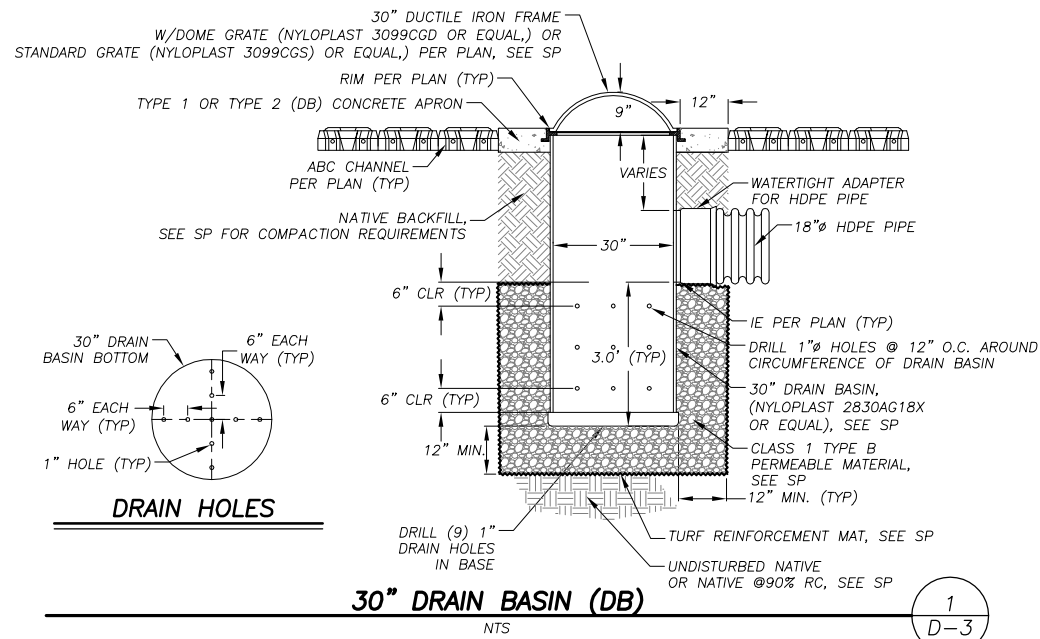
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 DATE: 02/10
 ROAD NUMBER: ####



EL DORADO COUNTY
 DEPARTMENT OF TRANSPORTATION

CHRISTMAS VALLEY PHASE 2B EROSION CONTROL PROJECT
 DETAILS

SHEET
 D-2
 19 OF 27
 CONTRACT NO.
 PW 09-30488
 CIP No.
 95189



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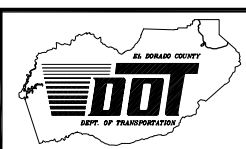
FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES

REDUCED SIZE
NOT TO SCALE



PREPARED UNDER THE SUPERVISION OF:
REGISTERED CIVIL ENGINEER
DATE:

DESIGNED: TA
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DATE: 02/10
ROAD NUMBER: ###



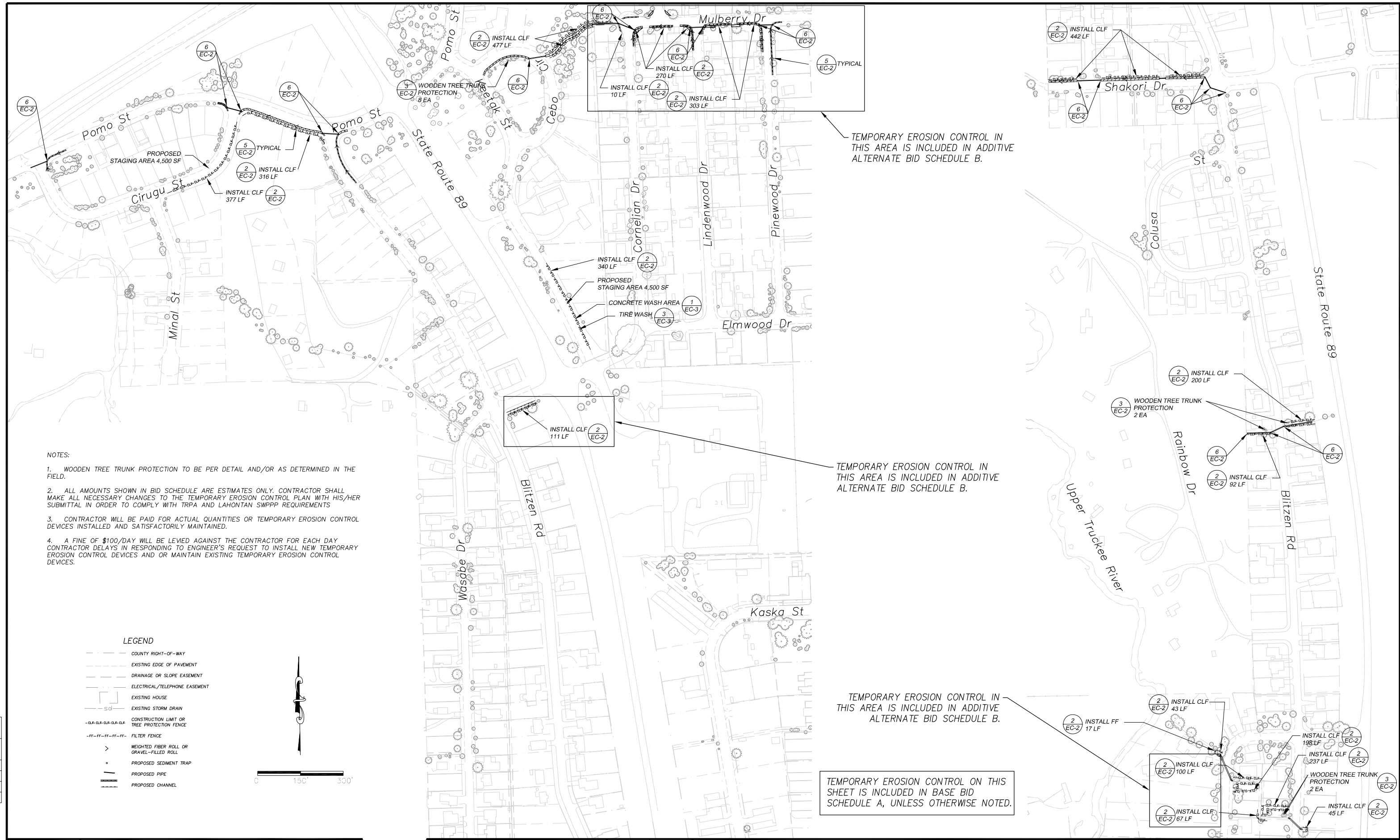
EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION

CHRISTMAS VALLEY PHASE 2B EROSION CONTROL PROJECT
DETAILS

SHEET
D-3
20 OF 27
CONTRACT NO.
PW 09-30488
CIP No.
95189

Drawing name: S:\CIVIL 3D PROJECTS\95189\Engineering\PLAN\CHR23_EC.dwg

FOR REDUCED PLANS
REVISION
NUMBER DATE DESCRIPTION BY



- NOTES:
1. WOODEN TREE TRUNK PROTECTION TO BE PER DETAIL AND/OR AS DETERMINED IN THE FIELD.
 2. 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
 3. CONTRACTOR WILL BE PAID FOR ACTUAL QUANTITIES OR TEMPORARY EROSION CONTROL DEVICES INSTALLED AND SATISFACTORILY MAINTAINED.
 4. 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.

TEMPORARY EROSION CONTROL IN THIS AREA IS INCLUDED IN ADDITIVE ALTERNATE BID SCHEDULE B.

TEMPORARY EROSION CONTROL IN THIS AREA IS INCLUDED IN ADDITIVE ALTERNATE BID SCHEDULE B.

TEMPORARY EROSION CONTROL IN THIS AREA IS INCLUDED IN ADDITIVE ALTERNATE BID SCHEDULE B.

TEMPORARY EROSION CONTROL ON THIS SHEET IS INCLUDED IN BASE BID SCHEDULE A, UNLESS OTHERWISE NOTED.

REDUCED SIZE
NOT TO SCALE



PREPARED UNDER THE SUPERVISION OF:
REGISTERED CIVIL ENGINEER
DATE:

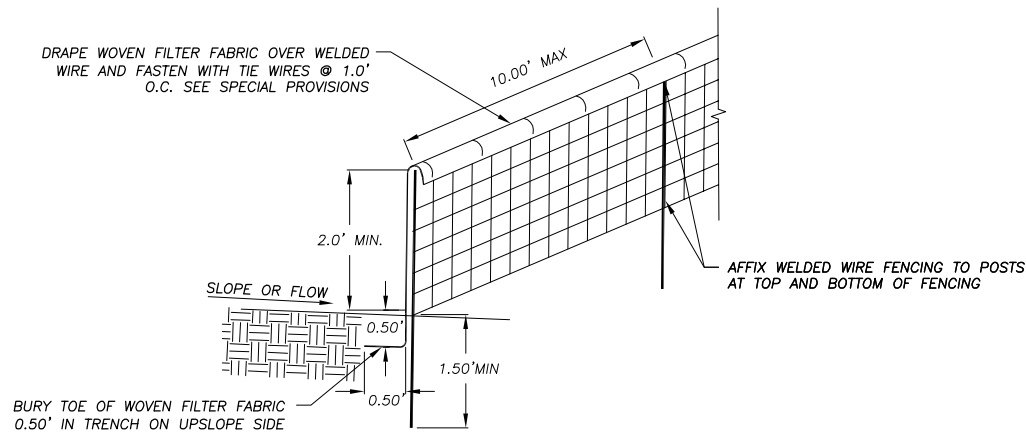
DESIGNED: TA
DRAWN: TA
CHECKED: DSP
DATE: 02/10
ROAD NUMBER: ###



EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION

CHRISTMAS VALLEY PHASE 2B EROSION CONTROL PROJECT
TEMPORARY EROSION CONTROL PLAN

SHEET
EC-1
21 of 27
CONTRACT NO.
PW 09-30488
CIP No.
95189

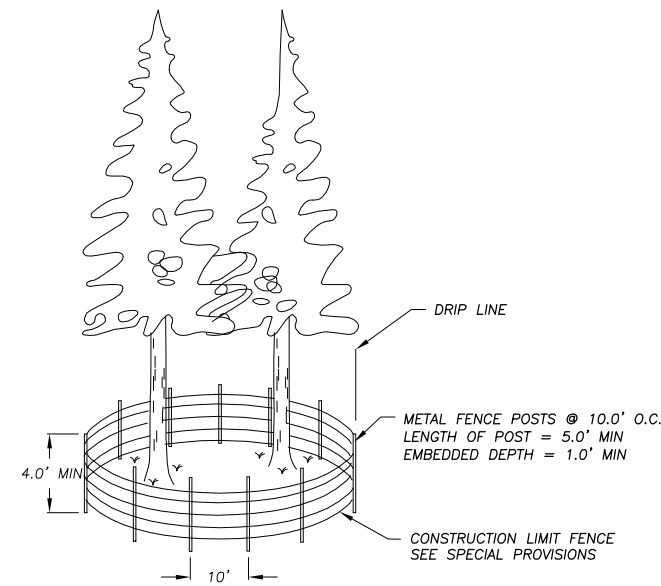


- NOTES:
1. CONTRACTOR MAY USE PRE MANUFACTURED SEDIMENT CONTROL FENCE AS APPROVED BY THE ENGINEER, SEE SPECIAL PROVISIONS.
 2. PLACE FENCING SUCH THAT STORM RUNOFF CANNOT PASS AROUND OR UNDER FENCE.

FILTER FENCE (FF)

NTS

1
EC-2

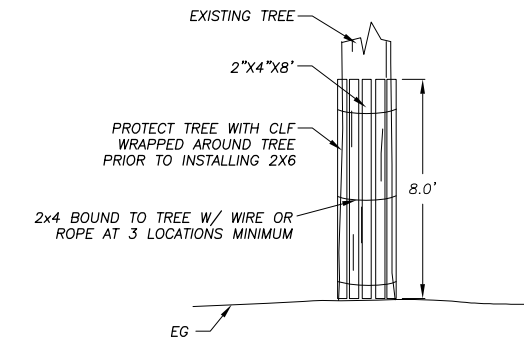


NOTE:
DETAIL ABOVE IS TYPICAL FOR SOME DRIPLINE LOCATIONS, CONSTRUCTION LIMIT FENCE SHALL BE STAKED IN THE FIELD BY ENGINEER.

CONSTRUCTION LIMIT FENCE (CLF)

NTS

2
EC-2

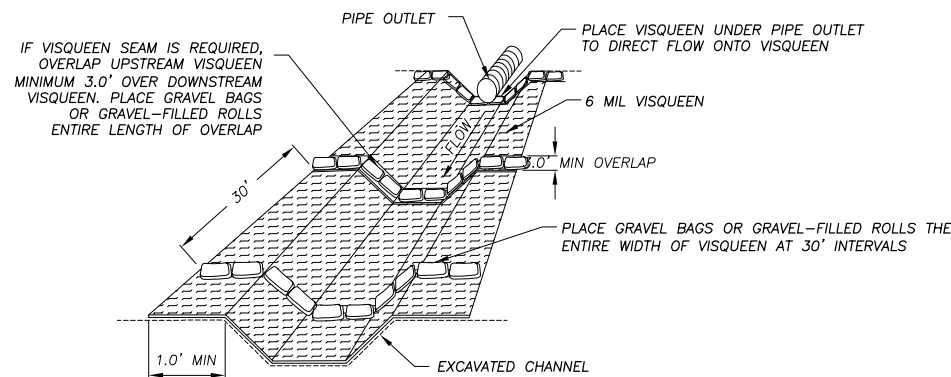


NOTE:
DETAIL ABOVE SHALL BE INSTALLED FOR TREE PROTECTION AT LOCATIONS WHERE CONSTRUCTION LIMIT FENCE INTERFERES WITH CONSTRUCTION ACTIVITIES AND WHERE NOTED ON EC-1.

WOODEN TREE TRUNK PROTECTION

NTS

3
EC-2



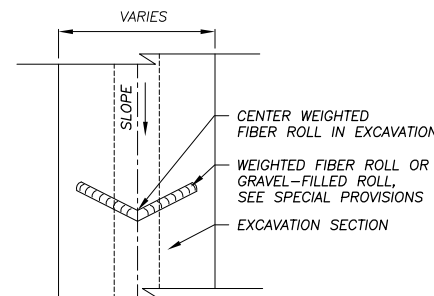
VISQUEEN WITH GRAVEL BAGS OR GRAVEL-FILLED ROLLS

NTS

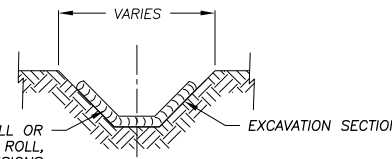
4
EC-2

GENERAL NOTES:

1. SEE SPECIAL PROVISIONS FOR SPECIFICATIONS REGARDING FILTER FABRIC, GRAVEL BAGS, GRAVEL-FILLED ROLLS, RICE STRAW FIBER ROLLS, AND FENCE POSTS.
2. 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 STAKED IN THE FIELD.



ON GRADE



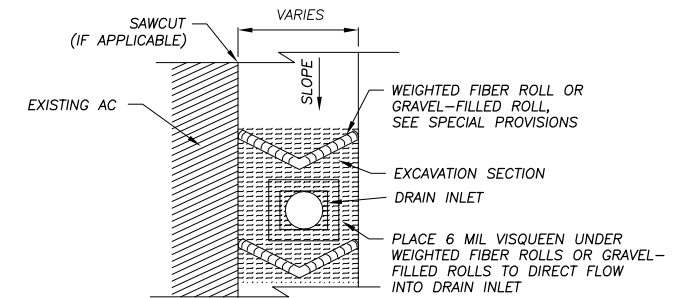
SECTION

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%

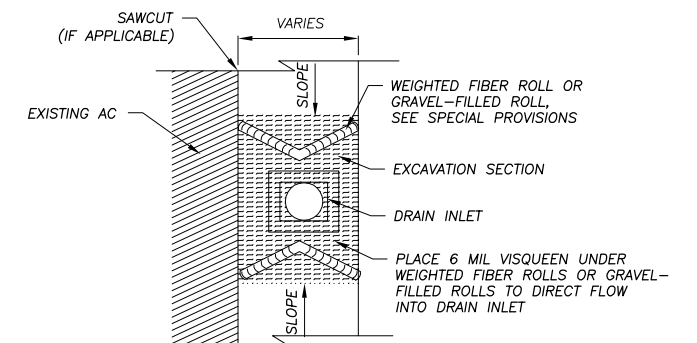
WEIGHTED FIBER ROLLS OR GRAVEL-FILLED ROLLS

NTS

5
EC-2



DRAIN INLET ON GRADE



DRAIN INLET @SAG

DRAIN INLET PROTECTION

NTS

6
EC-2

Drawing name: S:\CIVIL 3D PROJECTS\95189\Engineering\MPLAN\CH23 EC-2.dwg

ORIGINAL SCALE IS IN INCHES

FOR REDUCED PLANS

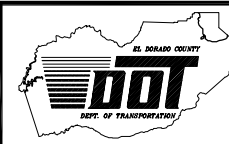
REVISION	NUMBER	DATE	DESCRIPTION	BY

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REGISTERED CIVIL ENGINEER
DATE:

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DRAWN: TA
CHECKED: DSP
DATE: 02/10
ROAD NUMBER: ###

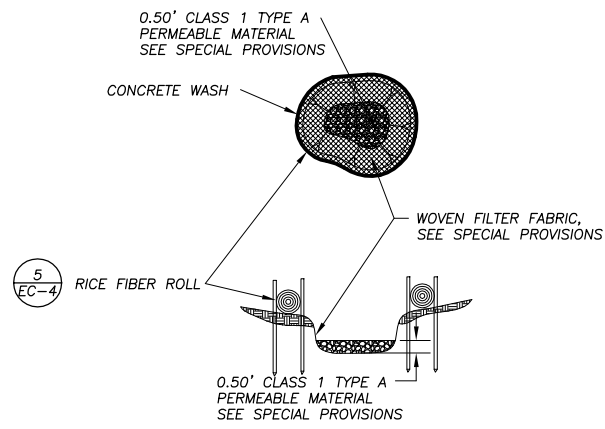


EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION

CHRISTMAS VALLEY PHASE 2B EROSION CONTROL PROJECT
TEMPORARY EROSION CONTROL DETAILS

SHEET
EC-2
22 OF 27
CONTRACT NO.
PW 09-30488
CIP No.
95189

Drawing name: S:\CIVIL 3D PROJECTS\95189\Engineering\MPLAN\CH23 EC-2.dwg
ORIGINAL SCALE IS IN INCHES
FOR REDUCED PLANS

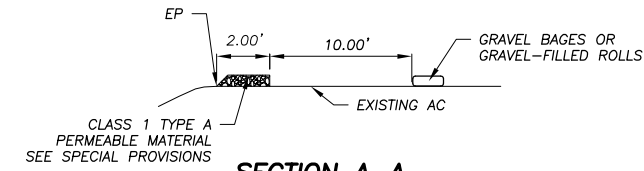
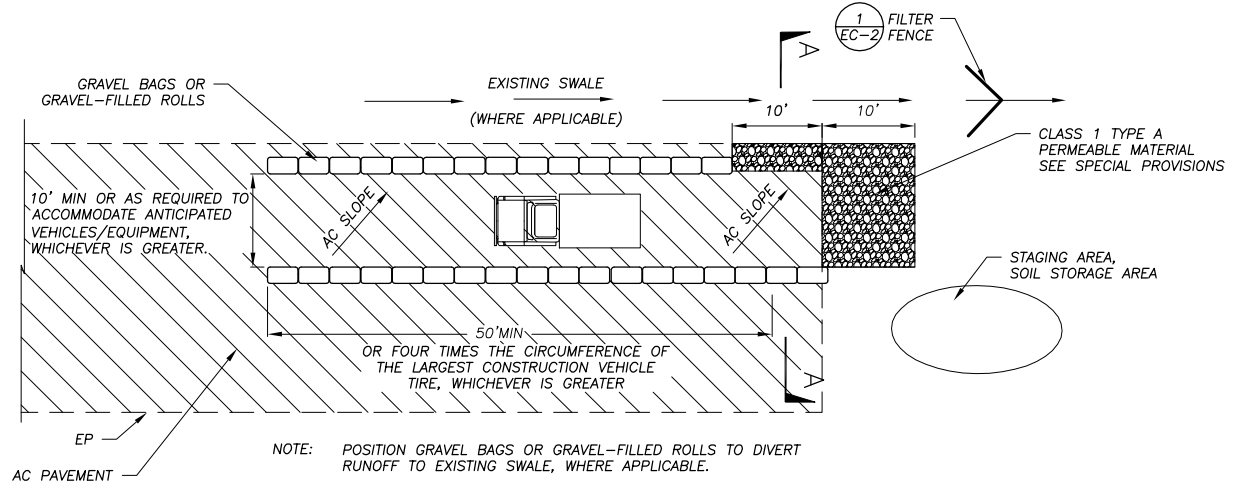


NOTE: CONCRETE WASH SHALL BE SIZED FOR WASHING ALL CONCRETE EQUIPMENT W/O OVER TOPPING BASIN.

CONCRETE WASH AREA

NTS

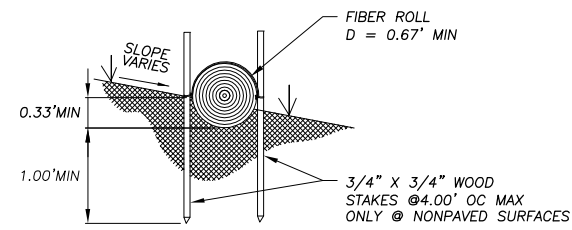
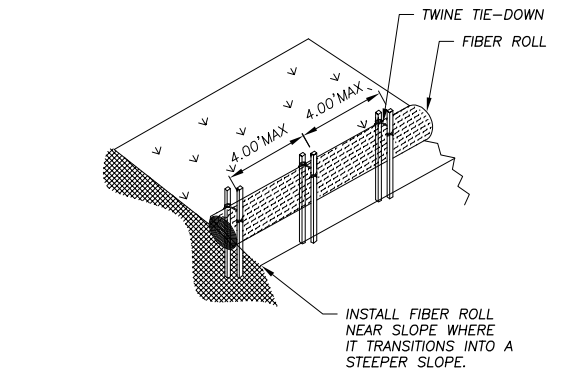
1
EC-3



TIRE WASH AREA (ON PAVEMENT)

NTS

3
EC-3



NOTE: INSTALL FIBER ROLL ALONG LEVEL CONTOUR.

RICE STRAW FIBER ROLLS

NTS

2
EC-3

REVISION	NUMBER	DATE	DESCRIPTION	BY

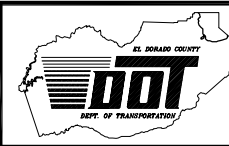
REDUCED SIZE
NOT TO SCALE



PREPARED UNDER THE SUPERVISION OF :

REGISTERED CIVIL ENGINEER
DATE: _____

DESIGNED: TA
DRAWN: TA
CHECKED: DSP
DATE: 02/10
ROAD NUMBER: ####

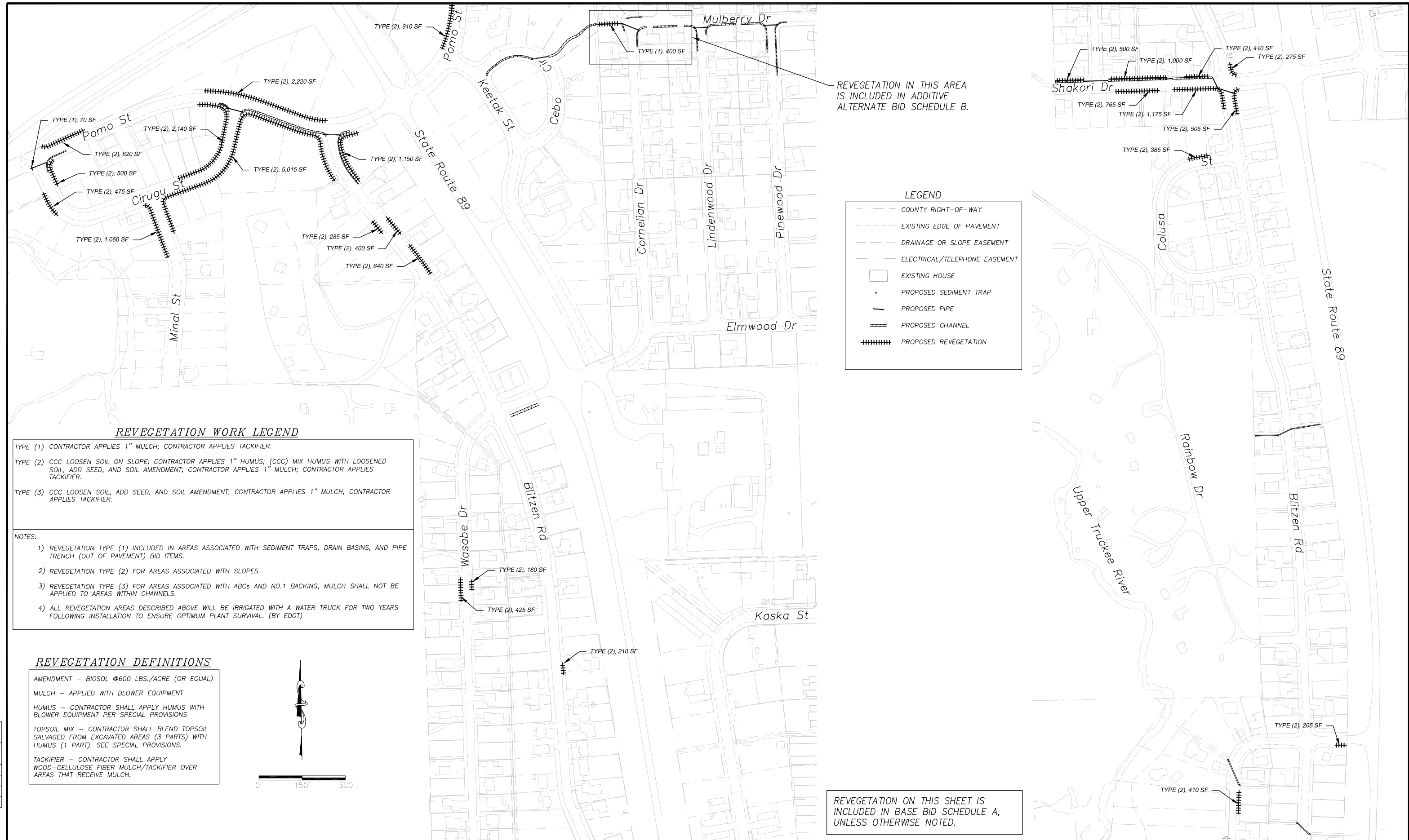


EL DORADO COUNTY
DEPARTMENT OF TRANSPORTATION

CHRISTMAS VALLEY PHASE 2B EROSION CONTROL PROJECT
TEMPORARY EROSION CONTROL DETAILS

SHEET
EC-3
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CONTRACT NO.
PW 09-30488
CIP No.
95189

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 ORIGINAL SCALE IS IN INCHES
 FOR REDUCED PLANS
 REVISION



REVEGETATION IN THIS AREA IS INCLUDED IN ADDITIVE ALTERNATE BID SCHEDULE B.

LEGEND

- COUNTY RIGHT-OF-WAY
- - - EXISTING EDGE OF PAVEMENT
- - - DRAINAGE OR SLOPE EASEMENT
- - - ELECTRICAL/TELEPHONE EASEMENT
- EXISTING HOUSE
- PROPOSED SEDIMENT TRAP
- PROPOSED PIPE
- === PROPOSED CHANNEL
- ++++ PROPOSED REVEGETATION

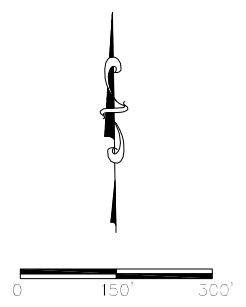
REVEGETATION WORK LEGEND

- TYPE (1) CONTRACTOR APPLIES 1" MULCH; CONTRACTOR APPLIES TACKIFIER.
- TYPE (2) CCC LOOSEN SOIL ON SLOPE; CONTRACTOR APPLIES 1" HUMUS; (CCC) MIX HUMUS WITH LOOSENED SOIL, ADD SEED, AND SOIL AMENDMENT; CONTRACTOR APPLIES 1" MULCH; CONTRACTOR APPLIES TACKIFIER.
- TYPE (3) CCC LOOSEN SOIL, ADD SEED, AND SOIL AMENDMENT, CONTRACTOR APPLIES 1" MULCH, CONTRACTOR APPLIES TACKIFIER.

- NOTES:**
- 1) REVEGETATION TYPE (1) INCLUDED IN AREAS ASSOCIATED WITH SEDIMENT TRAPS, DRAIN BASINS, AND PIPE TRENCH (OUT OF PAVEMENT) BID ITEMS.
 - 2) REVEGETATION TYPE (2) FOR AREAS ASSOCIATED WITH SLOPES.
 - 3) REVEGETATION TYPE (3) FOR AREAS ASSOCIATED WITH ABCs AND NO.1 BACKING, MULCH SHALL NOT BE APPLIED TO AREAS WITHIN CHANNELS.
 - 4) ALL REVEGETATION AREAS DESCRIBED ABOVE WILL BE IRRIGATED WITH A WATER TRUCK FOR TWO YEARS FOLLOWING INSTALLATION TO ENSURE OPTIMUM PLANT SURVIVAL. (BY EDOT)

REVEGETATION DEFINITIONS

AMENDMENT - BIOSOL @600 LBS./ACRE (OR EQUAL)
 MULCH - APPLIED WITH BLOWER EQUIPMENT
 HUMUS - CONTRACTOR SHALL APPLY HUMUS WITH BLOWER EQUIPMENT PER SPECIAL PROVISIONS
 TOPSOIL MIX - CONTRACTOR SHALL BLEND TOPSOIL SALVAGED FROM EXCAVATED AREAS (3 PARTS) WITH HUMUS (1 PART). SEE SPECIAL PROVISIONS.
 TACKIFIER - CONTRACTOR SHALL APPLY WOOD-CELLULOSE FIBER MULCH/TACKIFIER OVER AREAS THAT RECEIVE MULCH.



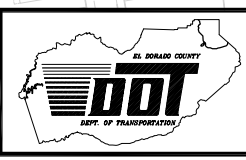
REVEGETATION ON THIS SHEET IS INCLUDED IN BASE BID SCHEDULE A, UNLESS OTHERWISE NOTED.

REVISION		REDUCED SIZE NOT TO SCALE	
NUMBER	DATE	DESCRIPTION	BY



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 REGISTERED CIVIL ENGINEER
 DATE: _____

DESIGNED: TA
 DRAWING: TA
 CHECKED: DSP
 DATE: 02/10
 ROAD NUMBER: ####



EL DORADO COUNTY
 DEPARTMENT OF TRANSPORTATION

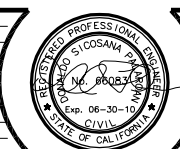
CHRISTMAS VALLEY PHASE 2B EROSION CONTROL PROJECT
 REVEGETATION PLAN

SHEET
R-1
 24 OF 27
 CONTRACT NO.
PW 09-30488
 CIP No.
95189

Drawing name: S:\CIVIL 3D PROJECTS\95899\Engineering\PLAN\CH2B T-1 TRAFFIC.dwg
 ORIGINAL SCALE IS IN INCHES
 FOR REDUCED PLANS
 REVISION

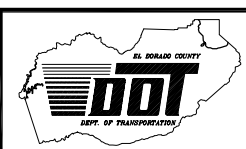
1. THIS PLAN HAS BEEN PREPARED AS A GUIDE TO THE CONTRACTOR IN PREPARATION OF A COMPLETE TRAFFIC CONTROL PLAN AND TO AID IN THE CONTRACTOR'S PLANNING FOR STAGING/STORAGE OF MATERIALS AND EQUIPMENT. THE SIGNING FOR THE DETOURS SHOWN ARE EXAMPLES AND ARE TYPICAL FOR ALL DETOURS THE CONTRACTOR PROPOSES TO IMPLEMENT. THE CONTRACTOR'S TRAFFIC CONTROL PLAN SHALL INCLUDE DETAILED CONTROLS FOR ALL DETOURS PROPOSED, INCLUDING FLAGGERS, LANE CLOSURES AND SIGNS, DETOURS AND SIGNS, AS APPLICABLE, ROAD CLOSURES AND SIGNS, AS APPLICABLE, FOR ALL ITEMS OF ROAD WORK WHICH WILL REQUIRE ALTERATION OF EXISTING TRAFFIC PATTERNS.
2. THE CONTRACTOR'S TRAFFIC CONTROL PLAN SHALL ADDRESS EACH PHASE OF CONSTRUCTION (e.g. PIPE INSTALLATION, ROCK PLACEMENT, STRUCTURES ADJACENT TO AND/OR AFFECTING THE ROADWAY, ETC.) AND SHALL CONFORM TO THE CALIFORNIA MUTCD (FHWA MUTCD 2003 REVISION 1 PART 6, TEMPORARY TRAFFIC CONTROL, AS AMENDED FOR USE IN CALIFORNIA). THE CONTRACTOR'S TRAFFIC CONTROL PLAN SHALL ALSO INCLUDE ALL SIGNING REQUIRED AT INTERSECTING STREETS WITHIN THE AREA THAT WILL REQUIRE TRAFFIC CONTROL.
3. DETOURS WILL BE ALLOWED FOR THE INSTALLATION OF ALL CULVERTS EXCEPT THE CULVERT SHOWN ON SHEET P-10. AT ALL OTHER TIMES, TWO LANES OF TRAFFIC SHALL BE MAINTAINED.
4. CLOSURE FOR DETOURS WILL BE ALLOWED ONLY DURING WORKING HOURS AND ONLY WHEN WORK IN THE AREA REQUIRING A DETOUR IS IN PROGRESS. AT THE END OF EACH WORK DAY A MINIMUM OF TWO 10 FOOT LANES SHALL BE OPENED TO PUBLIC TRAFFIC. NO DETOUR SHALL PREVENT RESIDENTS FROM ACCESS TO THEIR PROPERTY.
5. WHEN DETOURS ARE REMOVED AND ROADS ARE OPEN TO PUBLIC TRAFFIC, ALL DRIVEWAYS WITHIN THE WORK AREA SHALL BE ACCESSIBLE AND OPERATIONAL.
6. THE CONTRACTOR SHALL NOT EXCAVATE MORE THAN CAN BE INSTALLED AND BACKFILLED IN ONE WORKING DAY.
7. CONTRACTOR'S ATTENTION IS DIRECTED TO SHEET EC-1 OF THESE PLANS AND THE SPECIAL PROVISIONS REGARDING TEMPORARY EROSION CONTROL REQUIREMENTS FOR STAGING AREAS.
8. STAGING AREAS SHOWN ARE FOR THE TEMPORARY STORAGE OF CONSTRUCTION MATERIAL AND EQUIPMENT WHICH ARE TO BE USED ON THIS PROJECT. SEE SPECIAL PROVISIONS.

REDUCED SIZE
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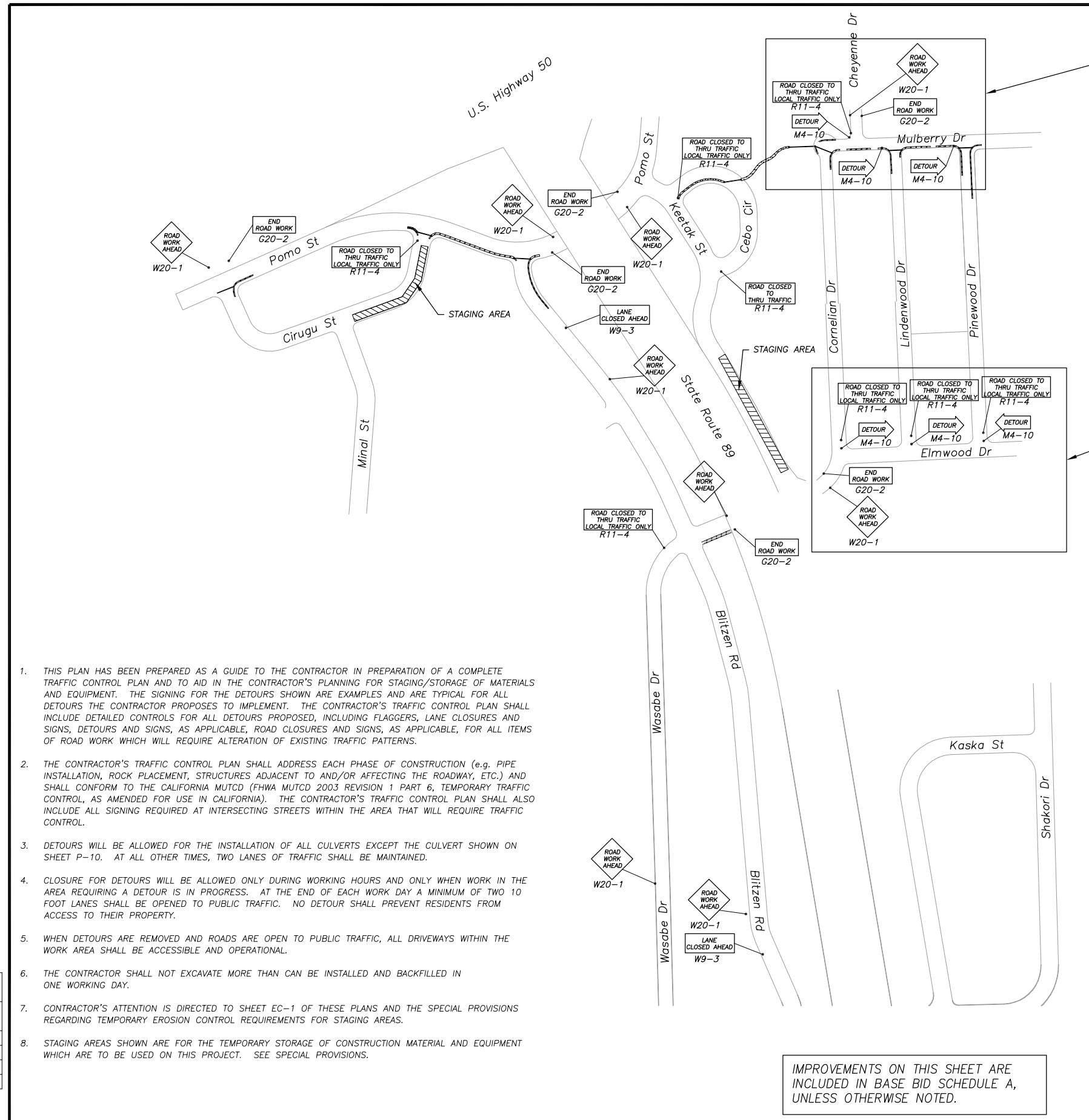
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 ROAD NUMBER: ####
 DRAWN: TA
 DATE: 02/10



EL DORADO COUNTY
 DEPARTMENT OF TRANSPORTATION

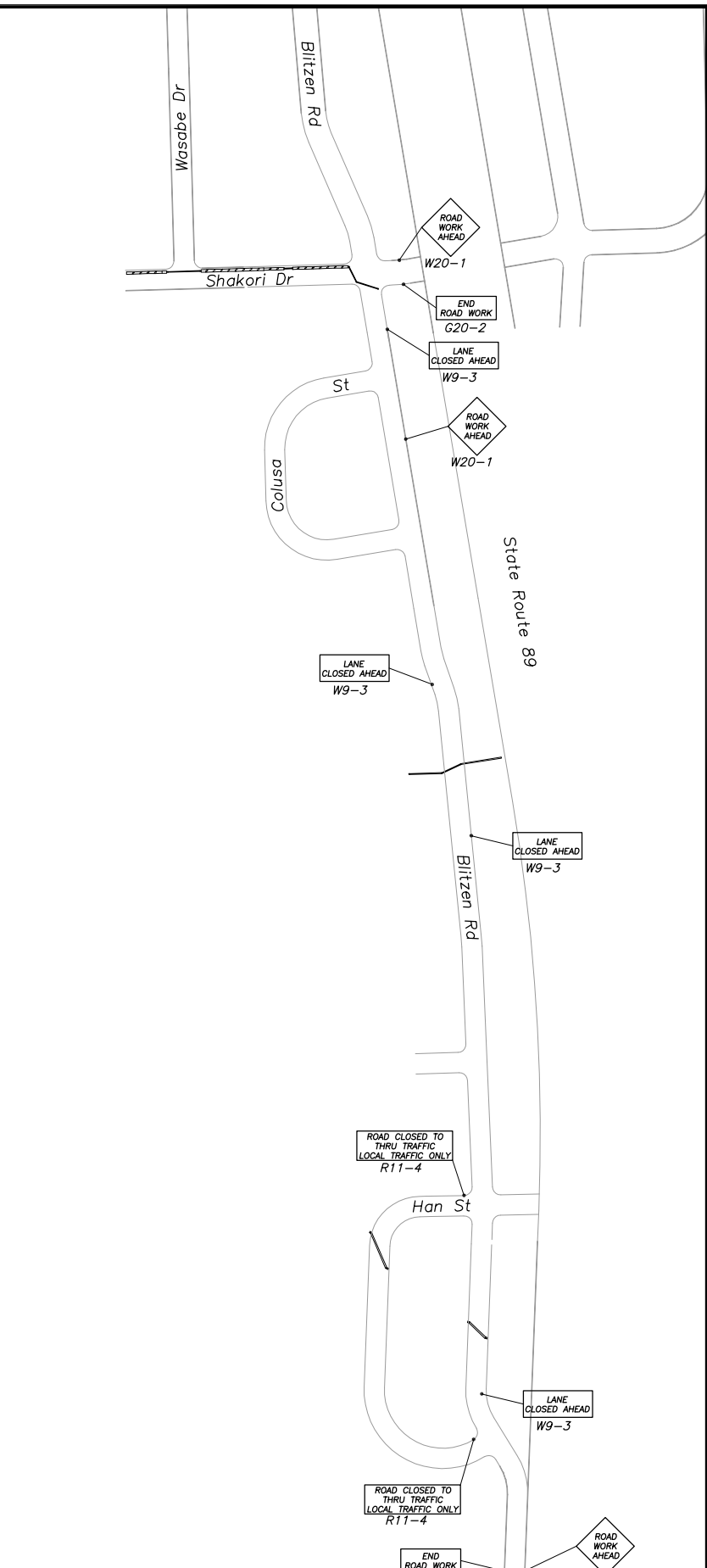
CHRISTMAS VALLEY PHASE 2B EROSION CONTROL PROJECT
 TRAFFIC CONTROL PLAN

SHEET
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 CONTRACT NO.
PW 09-30488
 CIP No.
95189



TRAFFIC CONTROL IN THIS AREA IS INCLUDED IN ADDITIVE ALTERNATE BID SCHEDULE B.

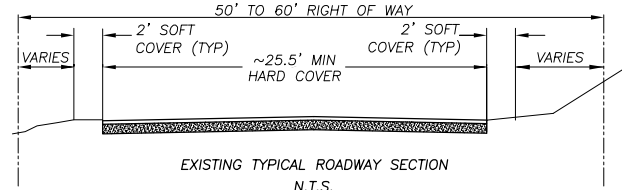
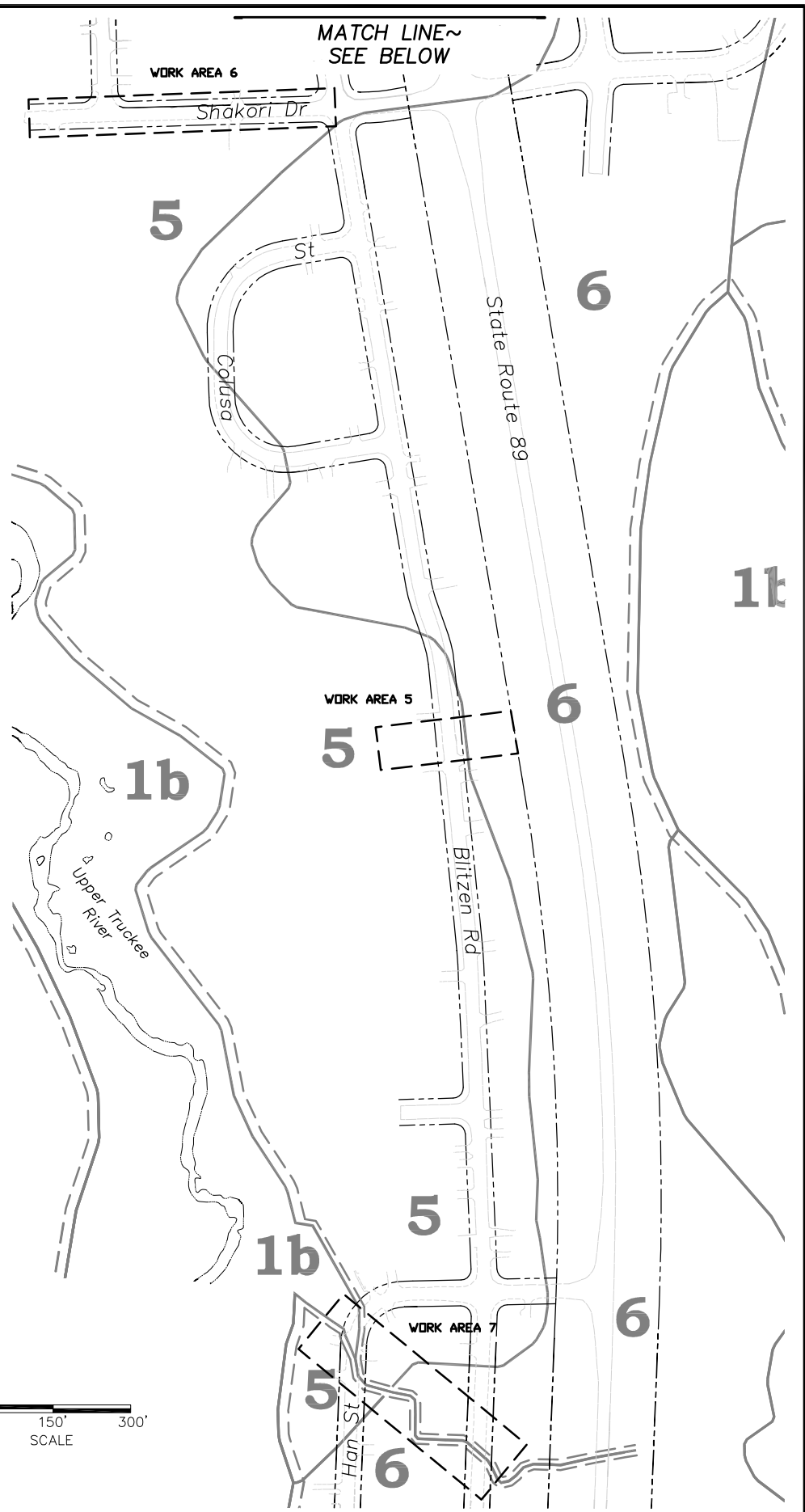
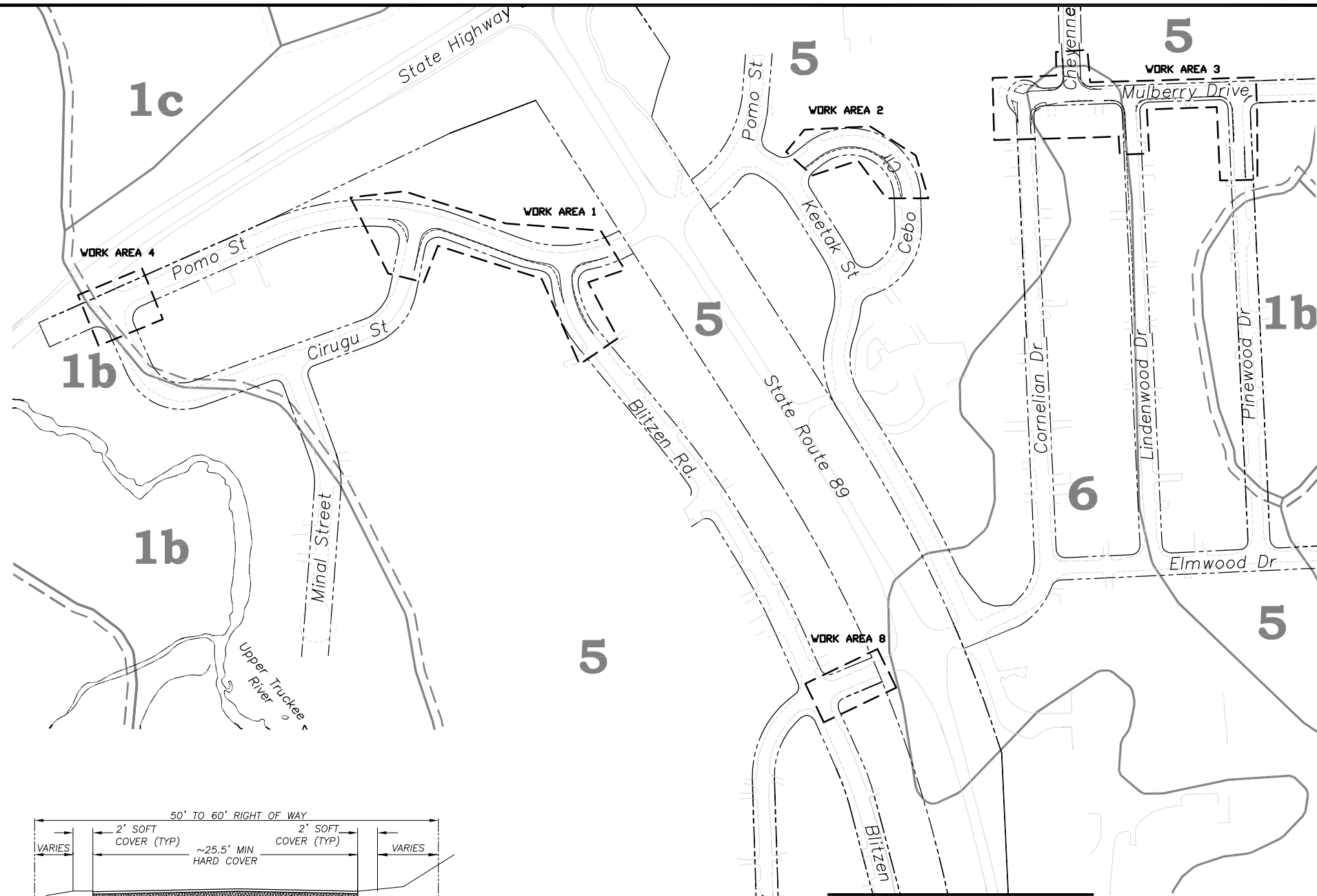
TRAFFIC CONTROL IN THIS AREA IS INCLUDED IN ADDITIVE ALTERNATE BID SCHEDULE B.



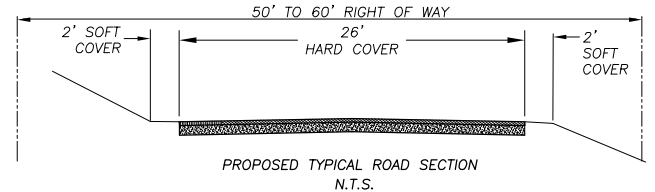
IMPROVEMENTS ON THIS SHEET ARE INCLUDED IN BASE BID SCHEDULE A, UNLESS OTHERWISE NOTED.

Drawing name: S:\CIVIL 3D PROJECTS\95189\Engineering\PLAN\CH23 COVERAGE_L-1.dwg

FOR REDUCED PLANS REVISION ORIGINAL SCALE IS IN INCHES



NOTES:
 1. A 2 FT ROAD SHOULDER WIDTH AS SHOWN ON THE ROAD SECTION DETAIL, WAS DEFINED AS SOFT COVER THROUGHOUT THE PROJECT AREA.
 2. LAND CAPABILITY WAS VERIFIED BY TRPA 10/07.



NOTES:
 1. NO ADDITIONAL COVERAGE PROPOSED WITHIN AN SEZ AREA, THEREFORE NO MITIGATION NEEDED. TRPA CODE 20.3.C(2)(e).
 2. A BANKING REQUEST FORM WILL BE SUBMITTED FOR ALL LAND COVERAGE TRANSFERS.

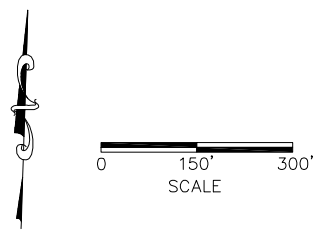
		COVERAGE TABLE			
		Land Capability Class			
AREA		5		6	
		Hard	Soft	Hard	Soft
EXISTING	1	28,392	3,816	0	0
	2	10,438	1,324	0	0
	3	29,612	2,978	12,532	686
	6	17,467	2,400	0	0
TOTAL		85,909	10,518	12,532	686
PROPOSED	1	26,393	3,816	0	0
	2	9,506	1,324	0	0
	3	25,827	2,978	10,000	686
	6	17,739	2,400	0	0
TOTAL		79,465	10,518	10,000	686
COVERAGE TRANSFER (IN)/OUT		6,444	0	0	0

NOTE: WORK AREAS 4, 5, 7, & 8 NOT SHOWN DUE TO NO COVERAGE CHANGES

MATCH LINE~
SEE ABOVE

LEGEND

- RIGHT OF WAY (ROW)
- EXISTING HARD (COVERAGE)
- LAND CAPABILITY BOUNDARY
- PROPOSED HARD (COVERAGE)
- - - WORK AREA
- 5 LAND CAPABILITY CLASSIFICATION
- EXISTING EDGE OF PAVEMENT



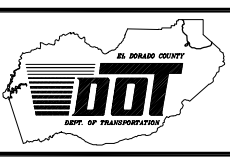
REVISION			
NUMBER	DATE	DESCRIPTION	BY

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PREPARED UNDER THE SUPERVISION OF:
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 DATE:

DESIGNED: TA
 DRAWN: TA
 CHECKED: DSP
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 ROAD NUMBER: ###



EL DORADO COUNTY
 DEPARTMENT OF TRANSPORTATION

CHRISTMAS VALLEY PHASE 2B EROSION CONTROL PROJECT
 EXISTING & PROPOSED LAND COVERAGE

SHEET
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 CONTRACT NO.
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95189

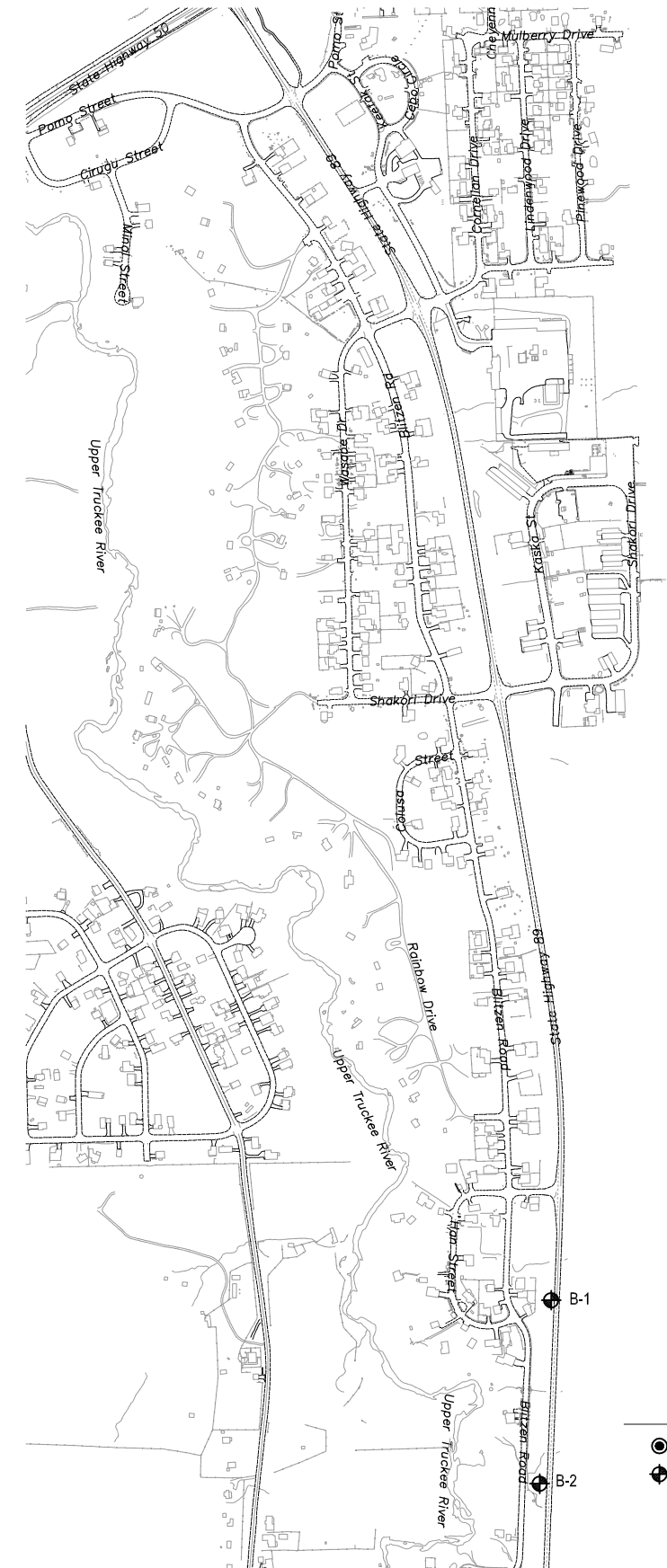
Project Name: Christmas Valley II
 Location: El Dorado County, California
 Exploration Method: Hollow Stem Auger
 Surface Elevation Estimated from 40-Ft Contour Map:
 Project No: 95159
 El Dorado County Department of Transportation
 Date Excavated: 6/03/2008
 Depth to Groundwater, Feet: Not Encountered

DEPTH FT.	SAMPLE TYPE	REMARKS	MOISTURE %	DRY DENSITY PCF	UNCONSOLIDATED STRENGTH PSF
0.5	GRAVELLY SAND (SP); loose, dark gray brown (2.5YR 4/2), dry.		18		
1.0	SILTY SAND (SM); medium dense, dark brown (7.5YR 3/3), moist. SILTY SAND (SM); medium dense, brown (7.5YR 4/4), moist. Slight mottling at 2.7 feet. Cobble at 3 feet.		33		
4.5	GRAVELLY SAND (SP); dense, brown (7.5YR 4/4), moist, subangular gravel up to 1/2 inch in diameter.		17		
6.5	SILTY SAND (SM); dense, dark yellowish brown (10YR 4/6), moist. Yellowish red (5YR 5/8) mottling at 7.8 feet.		17		
8.0	GRAVELLY SAND (SP); dense, yellowish brown (10YR 5/6), moist, coarse sand.		36		
10.0	SILTY SAND (SM); dense, dark gray (5Y 5/1), moist. Light yellowish brown (2.5YR 6/4) mottled layer at 10.3 feet. GRAVELLY SAND (SP); dense, grayish brown (2.5YR 5/2), very moist, rounded up to 2 inches in diameter.		42		
12.5	GRAVELLY SAND (SP); dense, olive brown (2.5YR 5/2), very moist. Mottled layer at 13 feet.		26		
15.0	SANDY (SP); medium dense, light yellowish brown (2.5YR 6/3), very moist, fine sand. Bottom of hole at 15.0 ft on 6-3-08		31		
			29		

Project Name: Christmas Valley II
 Location: El Dorado County, California
 Exploration Method: Hollow Stem Auger
 Surface Elevation Estimated from 40-Ft Contour Map:
 Project No: 95159
 El Dorado County Department of Transportation
 Date Excavated: 6/03/2008
 Depth to Groundwater, Feet: Not Encountered

DEPTH FT.	SAMPLE TYPE	REMARKS	MOISTURE %	DRY DENSITY PCF	UNCONSOLIDATED STRENGTH PSF
0.5	GRAVELLY SAND (SP); medium dense, very dark grayish brown (10YR 3/2), moist.		28		
4.5	SILTY SAND (SM); loose, very dark gray (10YR 3/1), moist. Color change to very dark grayish brown (10YR 3/2).		34		
8.0	Dark redish brown (5YR 3/4) mottled layer at 7.9 feet.		16		
8.5	SILTY SAND (SM); loose, dark brown (7.5YR 3/4), moist.		25		
9.5	SILTY SAND (SM); loose, dark brown (7.5YR 3/6), moist.		21		
9.8	Cobble at 9.8 feet. SAND (SP); Dense, yellowish brown (10YR 5/6), very moist.		33		
12.0	Dark redish brown (2.5YR 3/4) mottled layer at 11.5 feet. GRAVELLY SAND (SP); dense, light olive brown (2.5YR 5/3), moist cobbles up to 3 inches in diameter. Bottom of hole at 12.8 ft on 6-3-08		44		

SOIL BORING LOGS



SOIL BORINGS LOCATION MAP

Drawing name: S:\CIVIL 3D PROJECTS\95159\Engineering\MPLAN\CHRE23 G-1.dwg

FOR REDUCED PLANS ORIGINAL SCALE IS IN INCHES

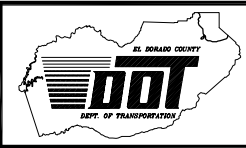
REVISION	NUMBER	DATE	DESCRIPTION	BY

REDUCED SIZE
NOT TO SCALE



PREPARED UNDER THE SUPERVISION OF:
 REGISTERED CIVIL ENGINEER
 DATE:

DESIGNED: TA
 DRAWN: TA
 CHECKED: DSP
 DATE: 02/10
 ROAD NUMBER: ###



EL DORADO COUNTY
 DEPARTMENT OF TRANSPORTATION

CHRISTMAS VALLEY PHASE 2B EROSION CONTROL PROJECT
 GEOTECHNICAL GEOPHYSICAL SURVEY RESULTS

SHEET
G-1
 27 OF 27
 CONTRACT NO.
PW 09-30488
 CIP No.
95189