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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 at the time bids are submitted shall constitute a failure to execute the Contract, and forfeiture as provided under that section.

REVISIONS

MARK	DATE	BY

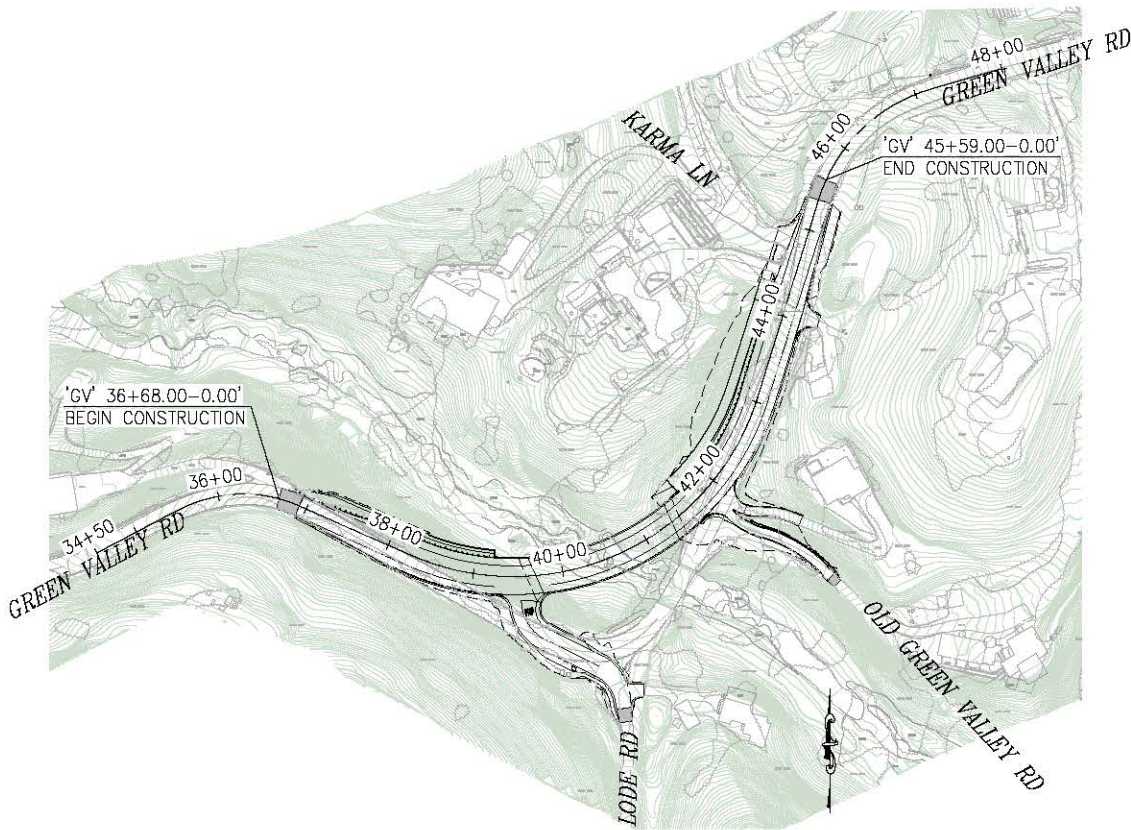


COUNTY OF EL DORADO, CA
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION

PROJECT PLANS FOR THE CONSTRUCTION OF
GREEN VALLEY RD AT WEBER CREEK
BRIDGE REPLACEMENT

IN THE COUNTY OF EL DORADO, DISTRICT 3
0.66 MILES WEST OF THE GREEN VALLEY RD/PLACERVILLE DR INTERSECTION

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.

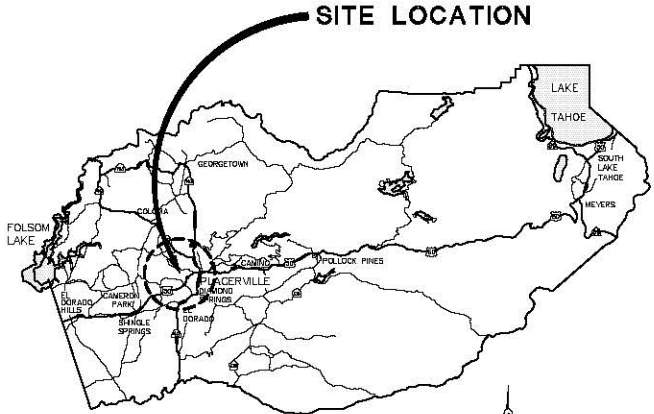


SITE PLAN

SCALE: 1"=100'

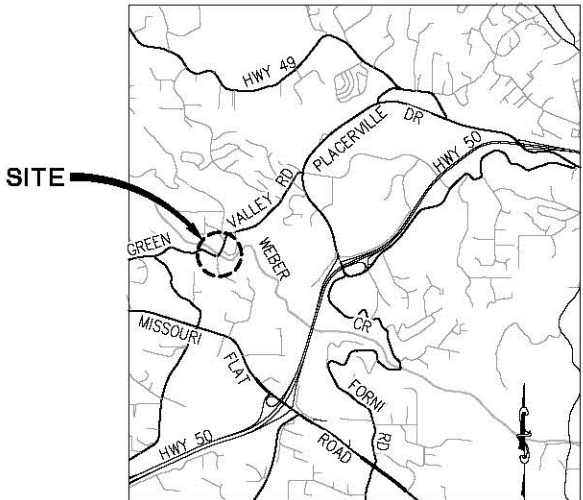
ABBREVIATIONS

AP	ANGLE POINT
BOF	BOTTOM OF FOOTING
DE	DRAINAGE EASEMENT
R&PUE	ROAD AND PUBLIC UTILITY EASEMENT
SDE	SLOPE & DRAINAGE EASEMENT
UFO	UNDERGROUND FIBER OPTIC



VICINITY MAP

COUNTY OF EL DORADO



LOCATION MAP

NOT TO SCALE

FEDERAL AID PROJECT
BRLS 5925 (046)



DUSTIN HARRINGTON
PROJECT ENGINEER
REGISTERED CIVIL ENGINEER NO. C71517
DATE 09/19/14

BOARD OF SUPERVISORS

I	RON MIKULACO
II	SHIVA FRENTZEN
III	BRIAN VEERKAMP
IV	RON V. BRIGGS
V	NORMA SANTIAGO

COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION
(530) 621-5900
2850 FAIRLANE CT
PLACERVILLE, CA 95667

ADOPTED AND APPROVED BY:

DATE	DATE	DATE
NORMA SANTIAGO CHAIR, EL DORADO COUNTY BOARD OF SUPERVISORS	STEVEN W. PEDRETTI, DIRECTOR COMMUNITY DEVELOPMENT AGENCY	MATTHEW D. SWEETZER P.E. NO. C06832 DEPUTY DIRECTOR, ENGINEERING

GREEN VALLEY RD AT
WEBER CREEK BRIDGE
REPLACEMENT
TITLE SHEET

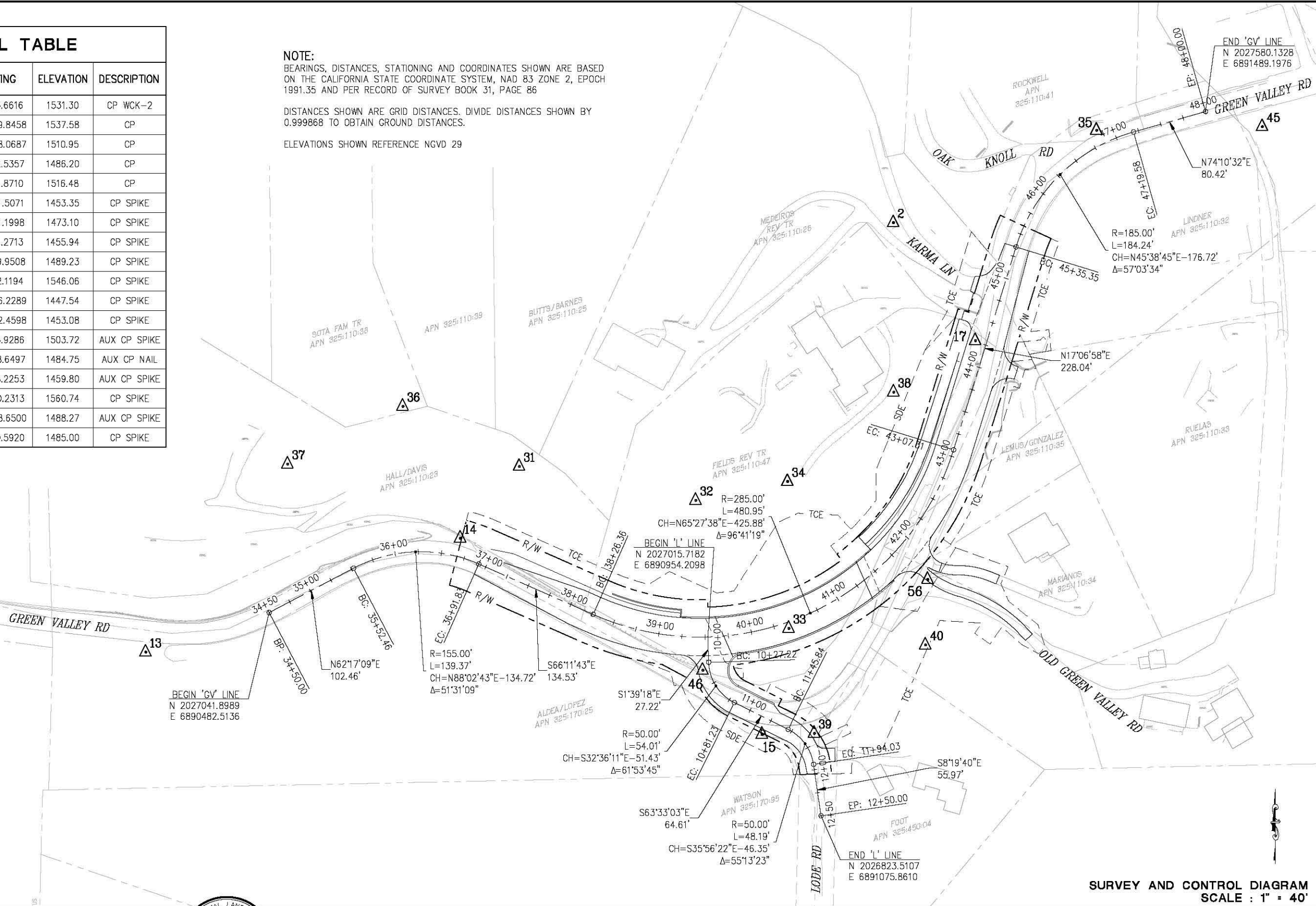
PW NO. 13-30685 PROJECT NO. 77114

SHEET 1 OF 78

FOR REDUCED PLANS
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Drawing name: C:\Civil 3D Projects\77114 Weber Cr at GVRD\CADD Files\Sheets\CD-1.dwg Layout Tab: CD-1 Sep 18, 2014 - 6:29am S:\weber

CONTROL TABLE				
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2	2027460.6891	6891153.6616	1531.30	CP WCK-2
13	2026999.3624	6890349.8458	1537.58	CP
14	2027121.6373	6890688.0687	1510.95	CP
15	2026911.0627	6891012.5357	1486.20	CP
17	2027333.9344	6891241.8710	1516.48	CP
31	2027198.8169	6890751.5071	1453.35	CP SPIKE
32	2027162.4202	6890941.1998	1473.10	CP SPIKE
33	2027024.8618	6891041.2713	1455.94	CP SPIKE
34	2027182.6444	6891039.9508	1489.23	CP SPIKE
35	2027560.0028	6891372.1194	1546.06	CP SPIKE
36	2027263.4134	6890626.2289	1447.54	CP SPIKE
37	2027201.3649	6890502.4598	1453.08	CP SPIKE
38	2027278.5983	6891153.9286	1503.72	AUX CP SPIKE
39	2026912.1434	6891068.6497	1484.75	AUX CP NAIL
40	2027007.1053	6891188.2253	1459.80	AUX CP SPIKE
45	2027563.8334	6891550.2313	1560.74	CP SPIKE
46	2026979.7700	6890948.6500	1488.27	AUX CP SPIKE
56	2027077.4816	6891190.5920	1485.00	CP SPIKE

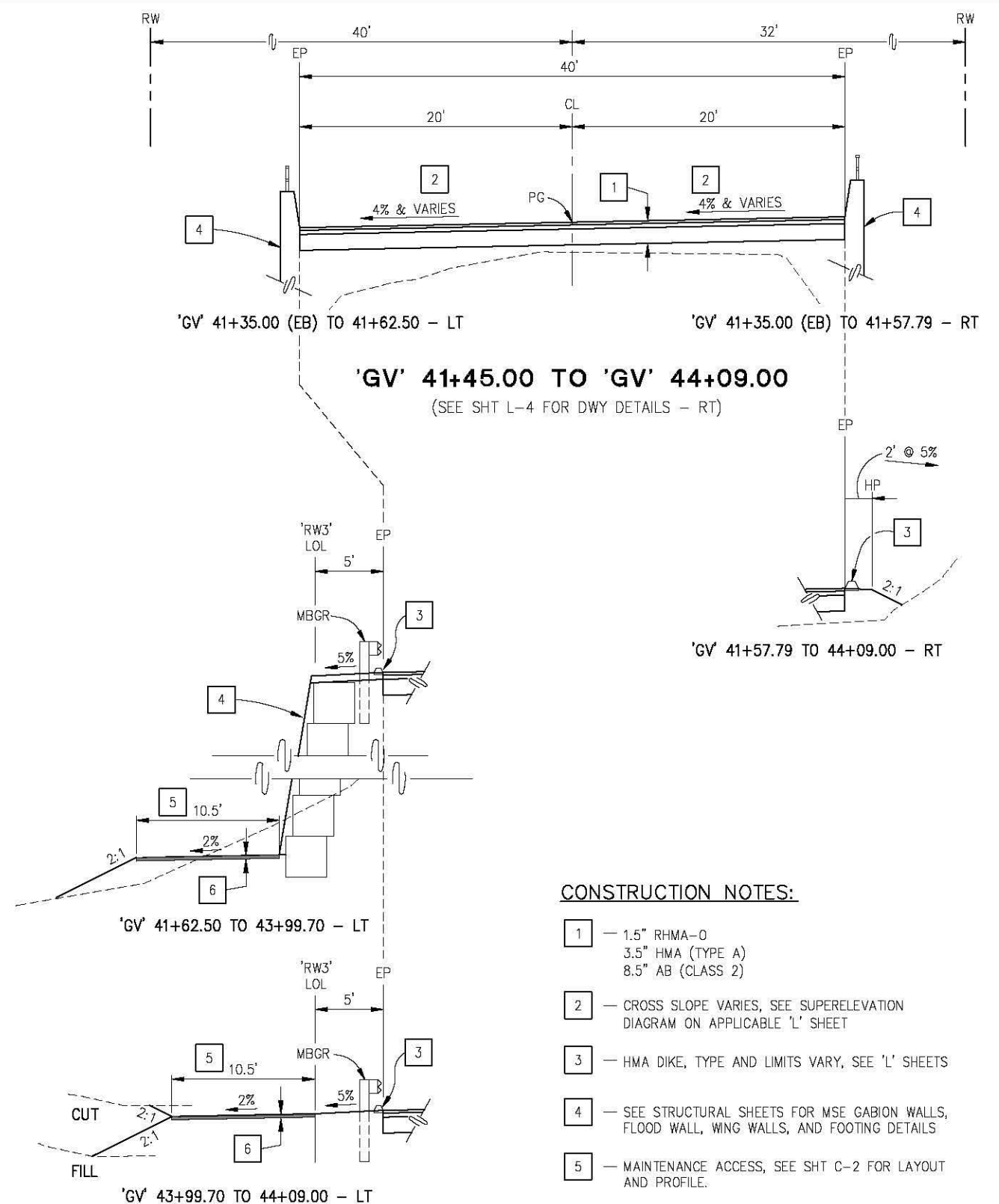
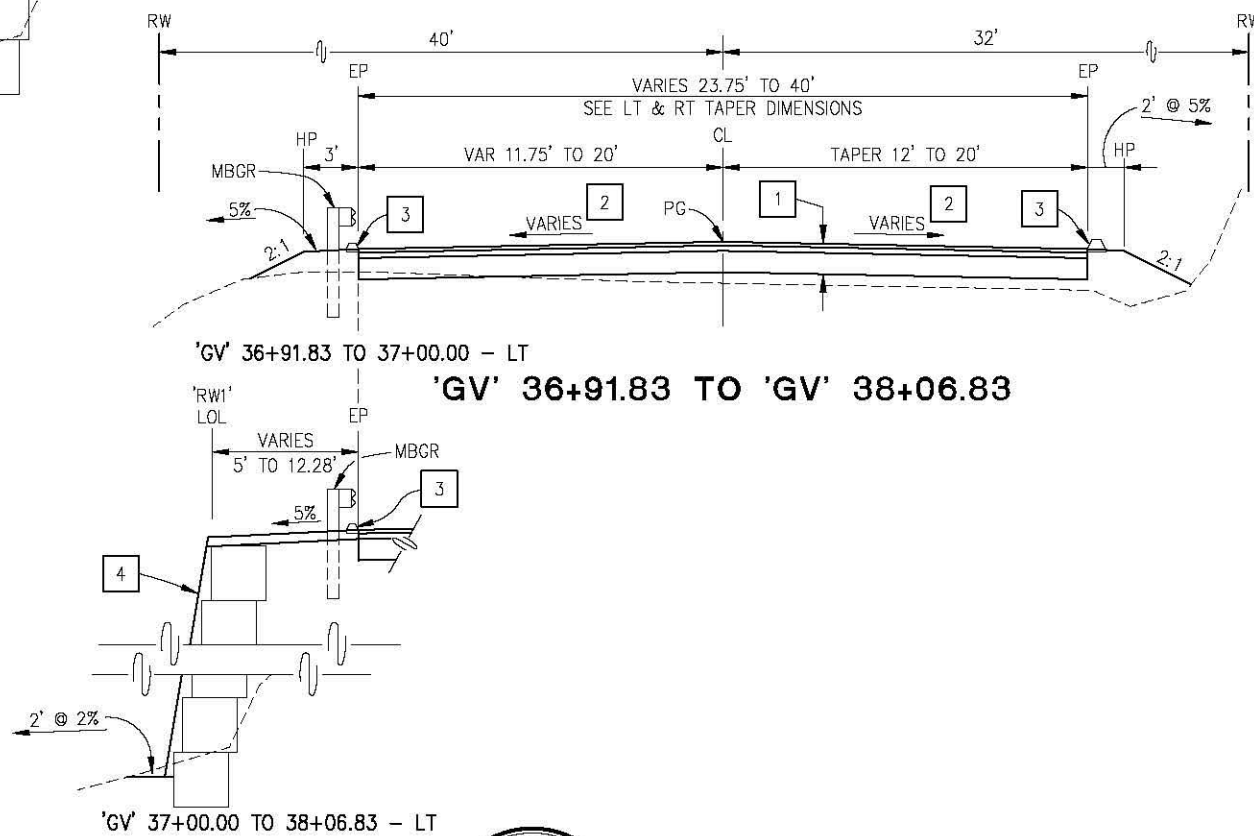
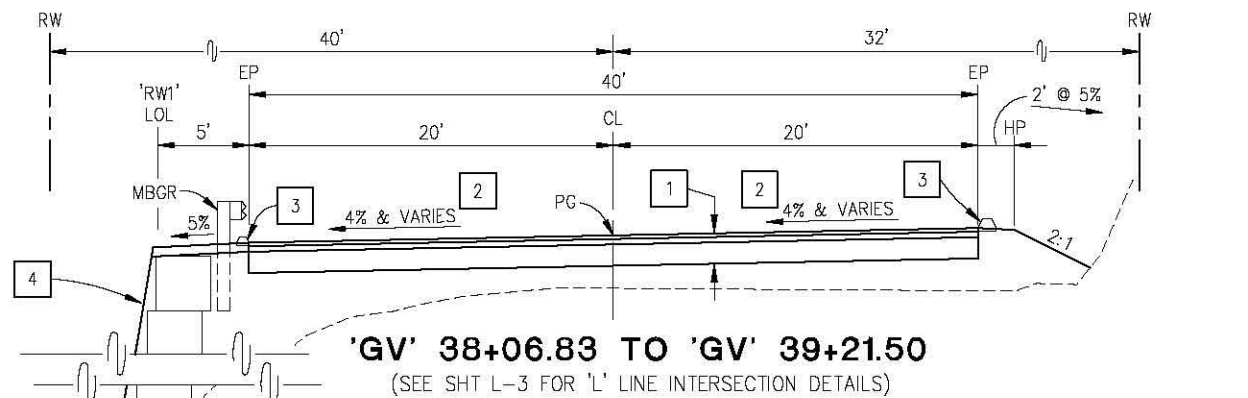
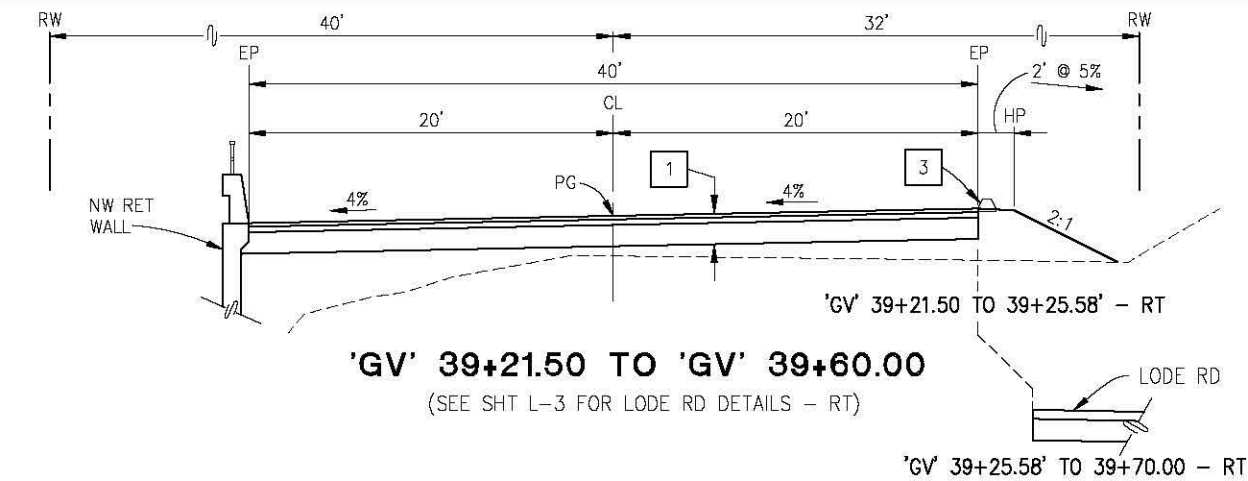
NOTE:
BEARINGS, DISTANCES, STATIONING AND COORDINATES SHOWN ARE BASED ON THE CALIFORNIA STATE COORDINATE SYSTEM, NAD 83 ZONE 2, EPOCH 1991.35 AND PER RECORD OF SURVEY BOOK 31, PAGE 86
DISTANCES SHOWN ARE GRID DISTANCES. DIVIDE DISTANCES SHOWN BY 0.999868 TO OBTAIN GROUND DISTANCES.
ELEVATIONS SHOWN REFERENCE NGVD 29



SURVEY AND CONTROL DIAGRAM
SCALE : 1" = 40'

REVISION	DESIGNED: JN	DRAWN: SGM	COUNTY OF EL DORADO COMMUNITY DEVELOPMENT AGENCY TRANSPORTATION DIVISION	GREEN VALLEY RD AT WEBER CREEK BRIDGE REPLACEMENT	SHEET CD-1 2 OF 78 W.O. No. 77114
	CHECKED: JN	DATE: 06/11/2014			
	ROAD NUMBER: 002				
PREPARED UNDER THE SUPERVISION OF: <i>Joseph C. Neely</i> PROFESSIONAL LAND SURVEYOR No. LS 9026 License Expires 09-30-15 DATE: 09/19/14					

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FOR REDUCED PLANS
0 1 2



'GV' 41+45.00 TO 'GV' 44+09.00
(SEE SHT L-4 FOR DWY DETAILS - RT)

'GV' 41+57.79 TO 44+09.00 - RT

CONSTRUCTION NOTES:

- 1 - 1.5" RHMA-0
3.5" HMA (TYPE A)
8.5" AB (CLASS 2)
- 2 - CROSS SLOPE VARIES, SEE SUPERELEVATION
DIAGRAM ON APPLICABLE 'L' SHEET
- 3 - HMA DIKE, TYPE AND LIMITS VARY, SEE 'L' SHEETS
- 4 - SEE STRUCTURAL SHEETS FOR MSE GABION WALLS,
FLOOD WALL, WING WALLS, AND FOOTING DETAILS
- 5 - MAINTENANCE ACCESS, SEE SHT C-2 FOR LAYOUT
AND PROFILE.
- 6 - 3" CRUSHED GRAVEL (3/4" MINUS)

TYPICAL SECTIONS
SCALE : NONE

REVISION	NUMBER	DATE	DESCRIPTION	BY

REGISTERED PROFESSIONAL ENGINEER
DUSTIN W. HARRINGTON
No. C71517
Licenses Expires
12-31-15
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE SUPERVISION OF:

REGISTERED CIVIL ENGINEER
09/19/14
DATE:

DESIGNED:
DWH

DRAWN:
SGM

CHECKED:
DWH

DATE:
06/11/14

ROAD NUMBER:
002

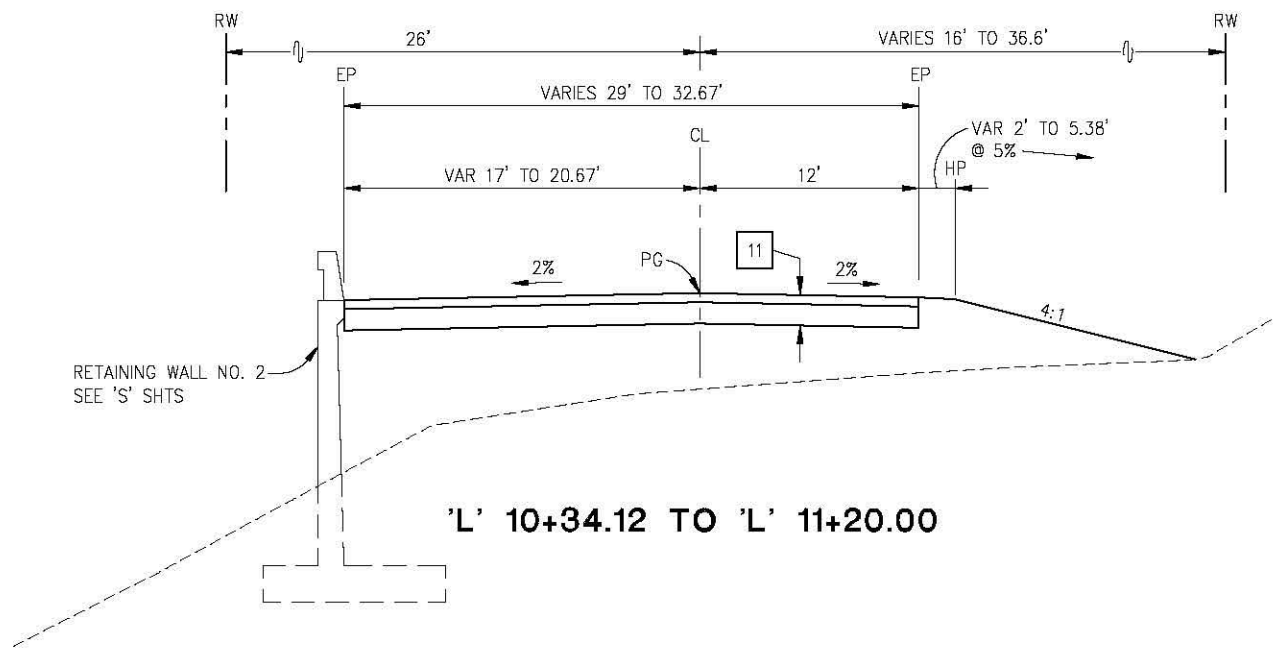


COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION

GREEN VALLEY RD AT WEBER CREEK
BRIDGE REPLACEMENT

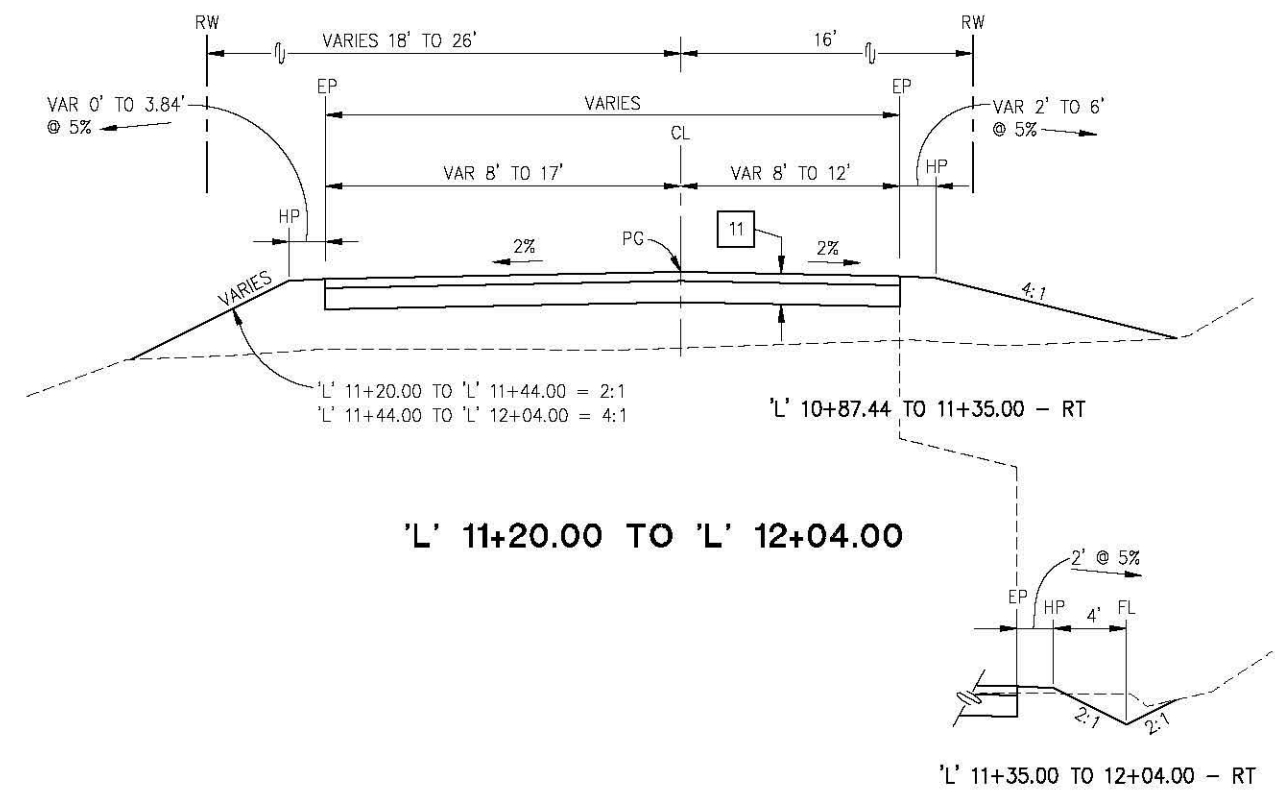
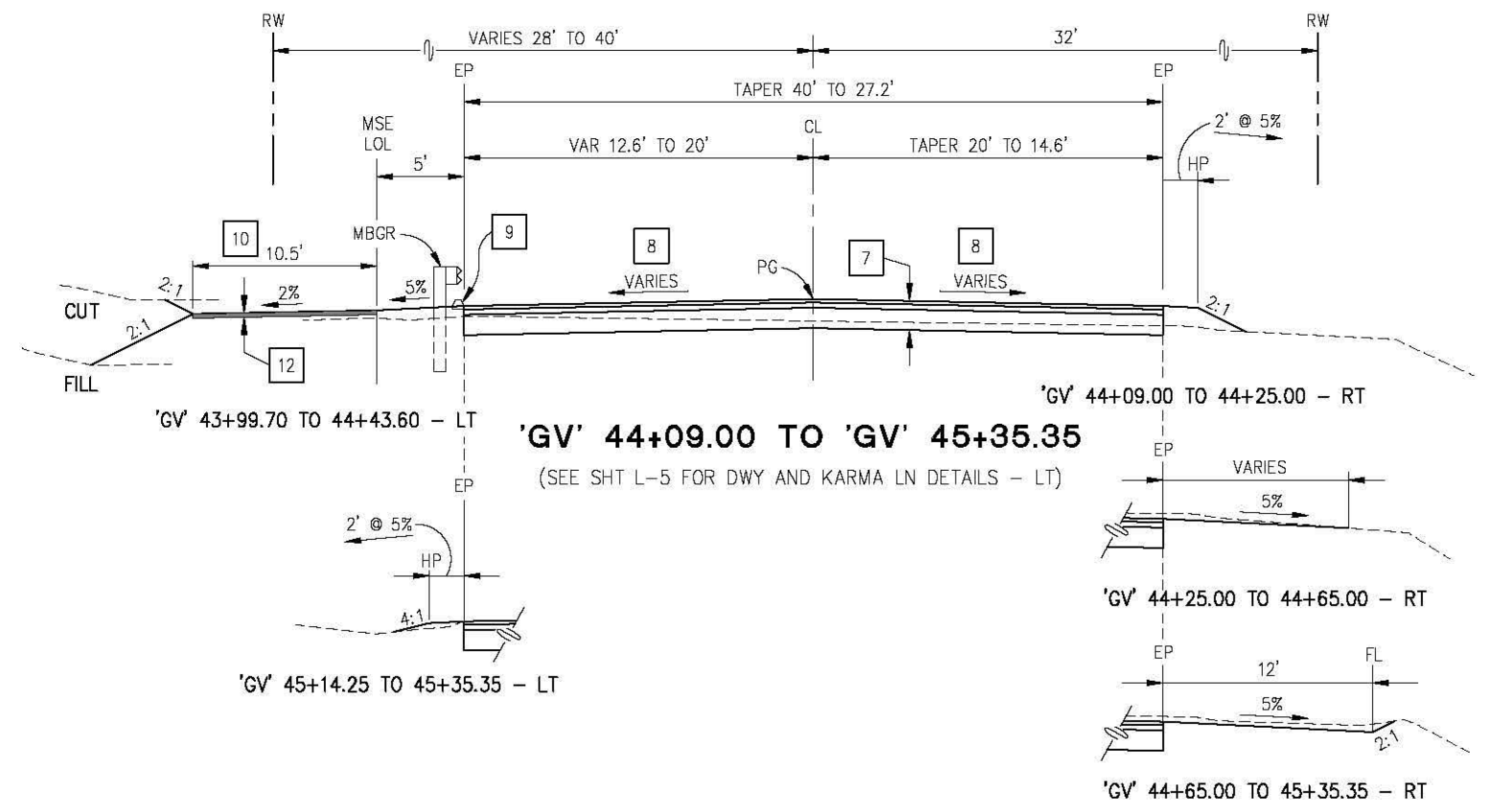
SHEET X-1
3 OF 78
W.O. No. 77114

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CONSTRUCTION NOTES:

- 7 — 1.5" RHMA-0
3.5" HMA (TYPE A)
8.5" AB (CLASS 2)
- 8 — CROSS SLOPE VARIES, SEE SUPERELEVATION
DIAGRAM ON APPLICABLE 'L' SHEET
- 9 — HMA DIKE, TYPE AND LIMITS
VARY, SEE 'L' SHEETS
- 10 — MAINTENANCE ACCESS, SEE SHT C-2 FOR
LAYOUT AND PROFILE.
- 11 — 2.5" HMA (TYPE A)
6" AB (CLASS 2)
- 12 — 3" CRUSHED GRAVEL (3/4" MINUS)



TYPICAL SECTIONS
SCALE : NONE

REVISION	NUMBER	DATE	DESCRIPTION	BY

REGISTERED PROFESSIONAL ENGINEER
JUSTIN W. HARRISON
No. C71517
License Expires 12-31-15
STATE OF CALIFORNIA

PREPARED UNDER THE SUPERVISION OF:

[Signature]
REGISTERED CIVIL ENGINEER
09/19/14
DATE:

DESIGNED: DWH
CHECKED: DWH
ROAD NUMBER: 002

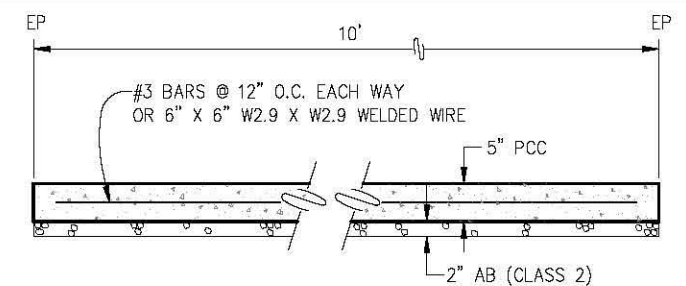
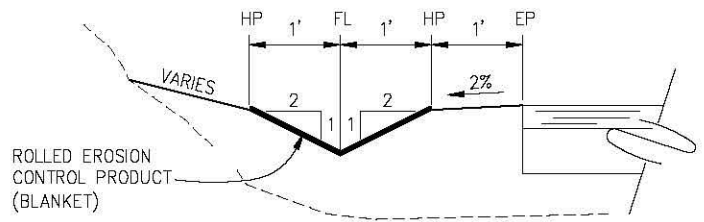
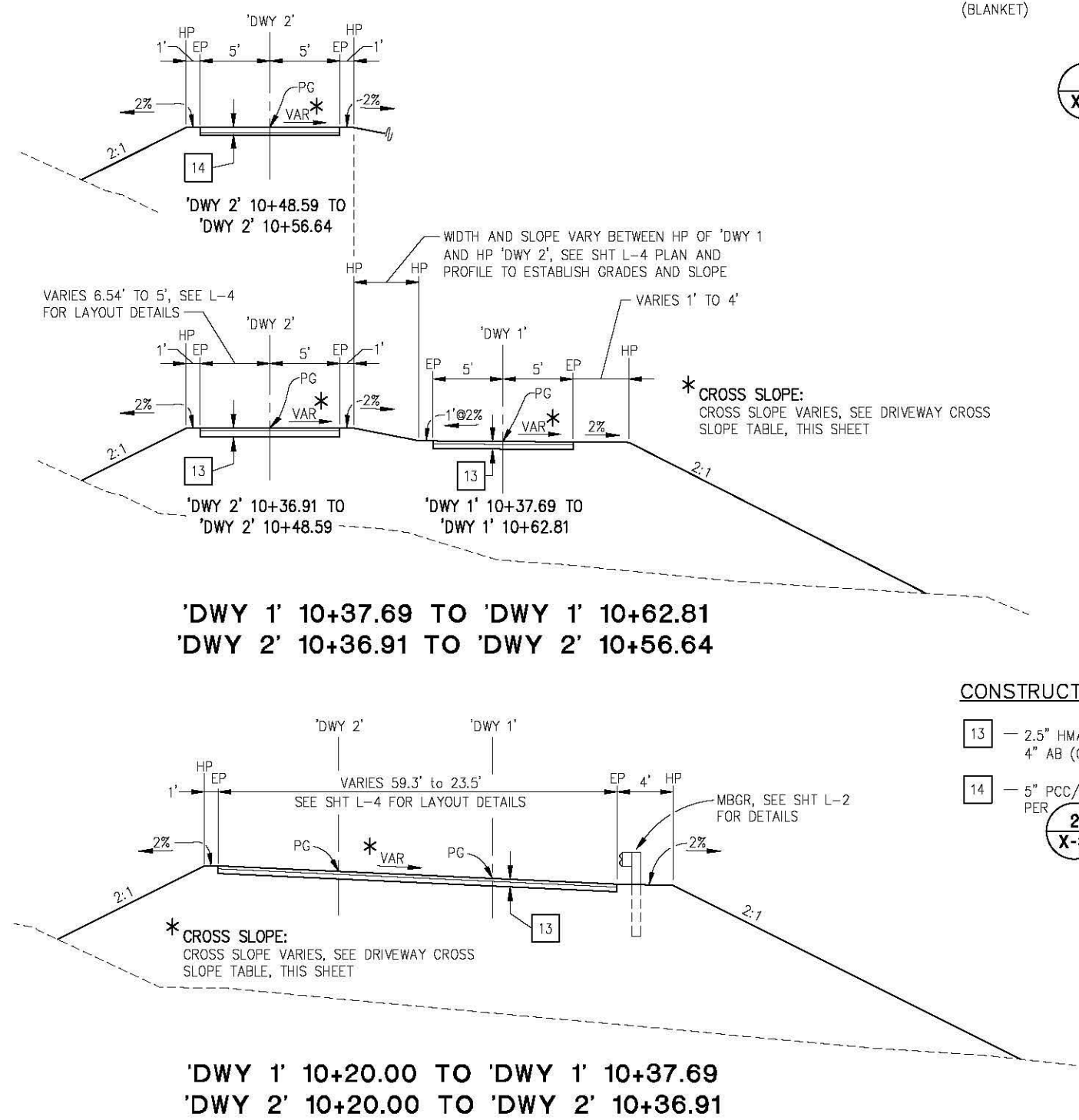
DRAWN: SGM
DATE: 06/11/14

COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION

GREEN VALLEY RD AT WEBER CREEK
BRIDGE REPLACEMENT

SHEET
X-2
4 OF 78
W.O. No. 77114

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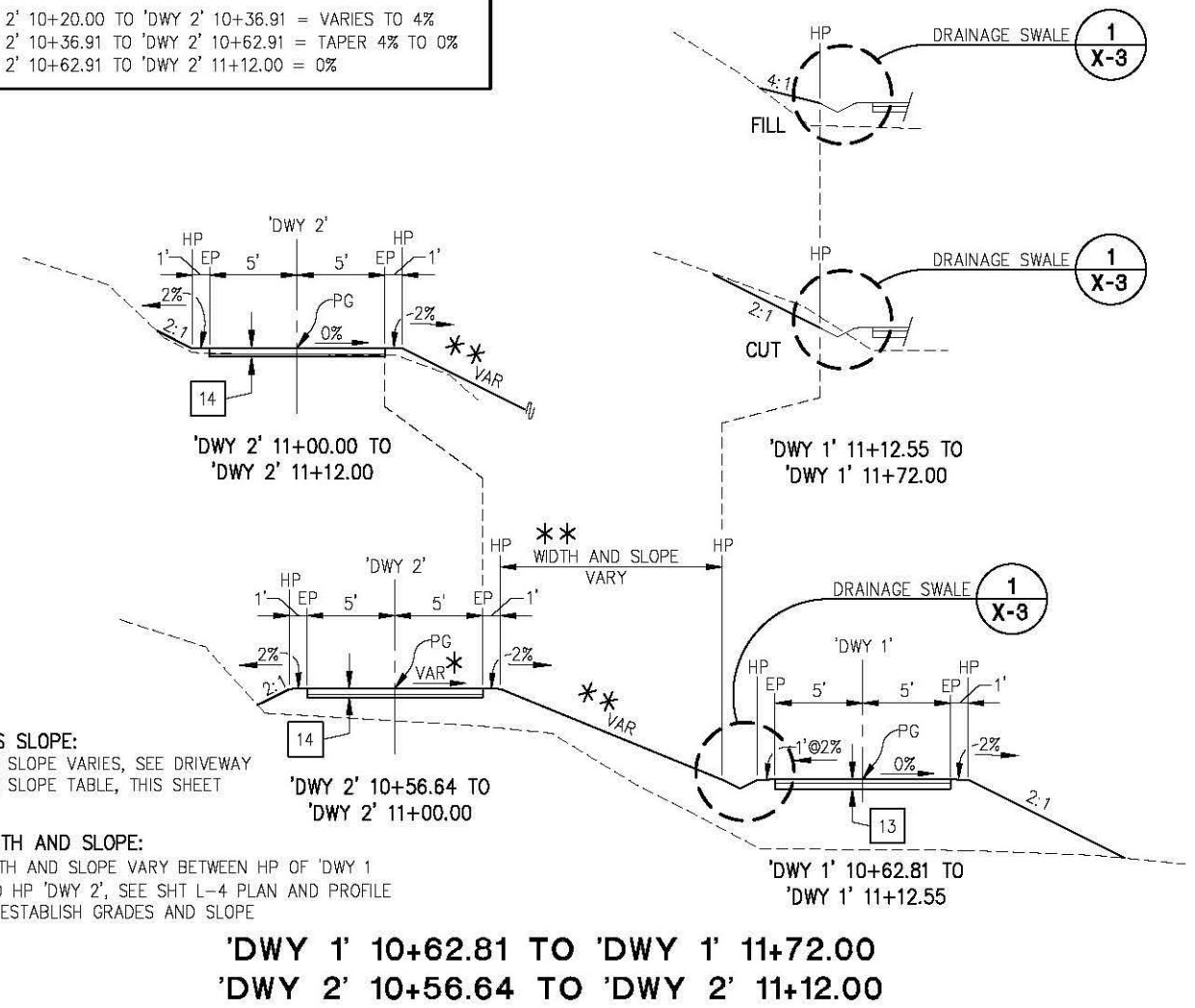
* DRIVEWAY CROSS SLOPE TABLE (SEE SHT L-4 FOR LAYOUT AND GRADING DETAILS)	
DWY 1 - STA 'DWY 1' 10+20.00 TO 'DWY 1' 10+38.78 = VARIES TO 4%	
STA 'DWY 1' 10+38.78 TO 'DWY 1' 10+62.81 = TAPER 4% TO 0%	
STA 'DWY 1' 10+62.81 TO 'DWY 1' 11+72.00 = 0%	
DWY 2 - STA 'DWY 2' 10+20.00 TO 'DWY 2' 10+36.91 = VARIES TO 4%	
STA 'DWY 2' 10+36.91 TO 'DWY 2' 10+62.91 = TAPER 4% TO 0%	
STA 'DWY 2' 10+62.91 TO 'DWY 2' 11+12.00 = 0%	

CONSTRUCTION NOTES:

- 13 - 2.5" HMA (TYPE A)
4" AB (CLASS 2)
 - 14 - 5" PCC/2" AB (CLASS 2)
PER
- 2
X-3

* CROSS SLOPE:
CROSS SLOPE VARIES, SEE DRIVEWAY
CROSS SLOPE TABLE, THIS SHEET

** WIDTH AND SLOPE:
WIDTH AND SLOPE VARY BETWEEN HP OF 'DWY 1
AND HP 'DWY 2', SEE SHT L-4 PLAN AND PROFILE
TO ESTABLISH GRADES AND SLOPE



TYPICAL SECTIONS
SCALE : NONE

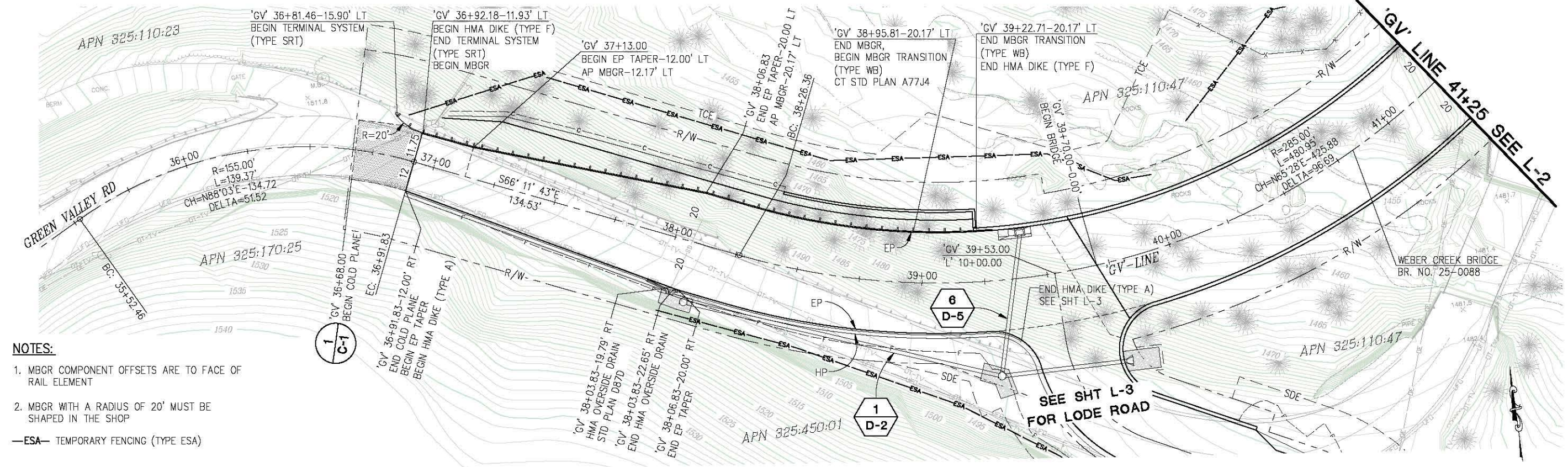
REVISION	DESIGNED: DWH	DRAWN: SGM	COUNTY OF EL DORADO COMMUNITY DEVELOPMENT AGENCY TRANSPORTATION DIVISION	GREEN VALLEY RD AT WEBER CREEK BRIDGE REPLACEMENT	SHEET X-3 5 OF 78 W.O. No. 77114
	CHECKED: DWH	DATE: 06/11/14			
NUMBER	DATE	DESCRIPTION	BY		

REGISTERED PROFESSIONAL ENGINEER
DUSTIN W. HARRINGTON
No. C71517
License Expires 12-31-15
CIVIL
STATE OF CALIFORNIA

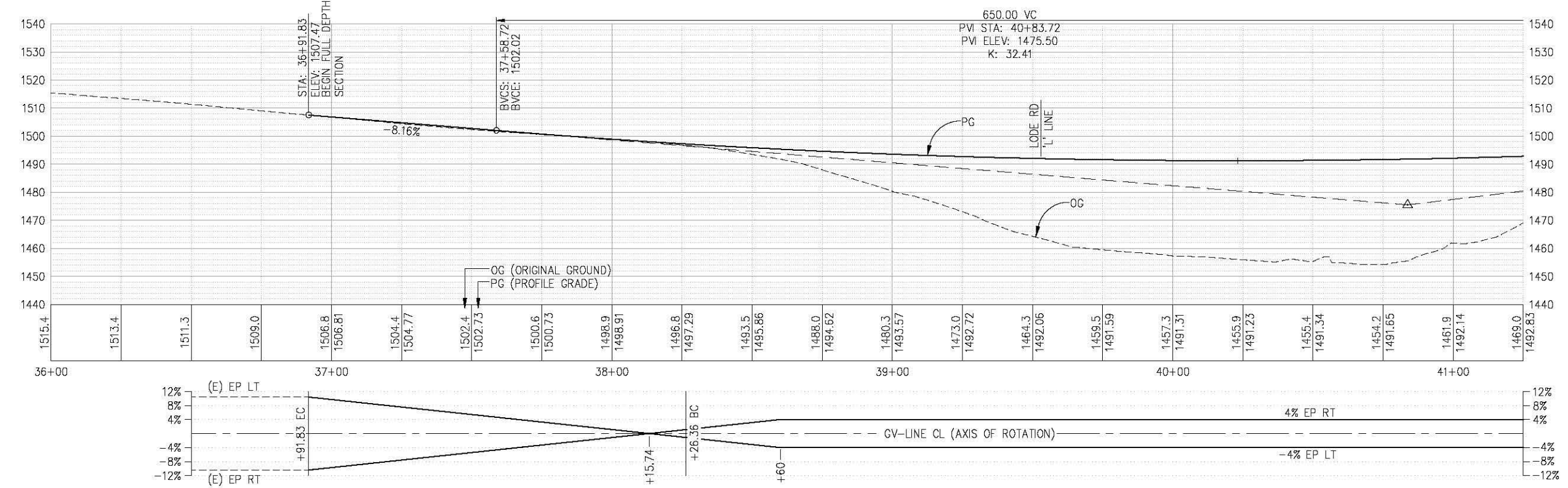
PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
09/19/14
DATE:

EL DORADO COUNTY
CALIFORNIA

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FOR REDUCED PLANS
0 1 2



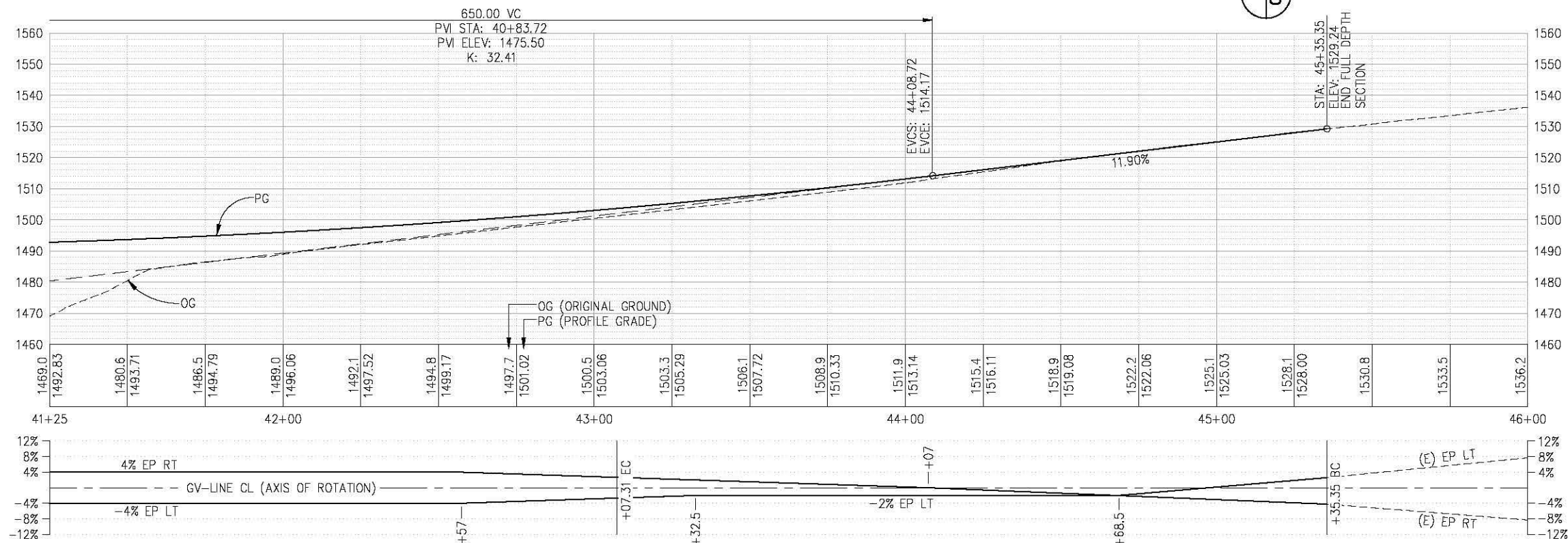
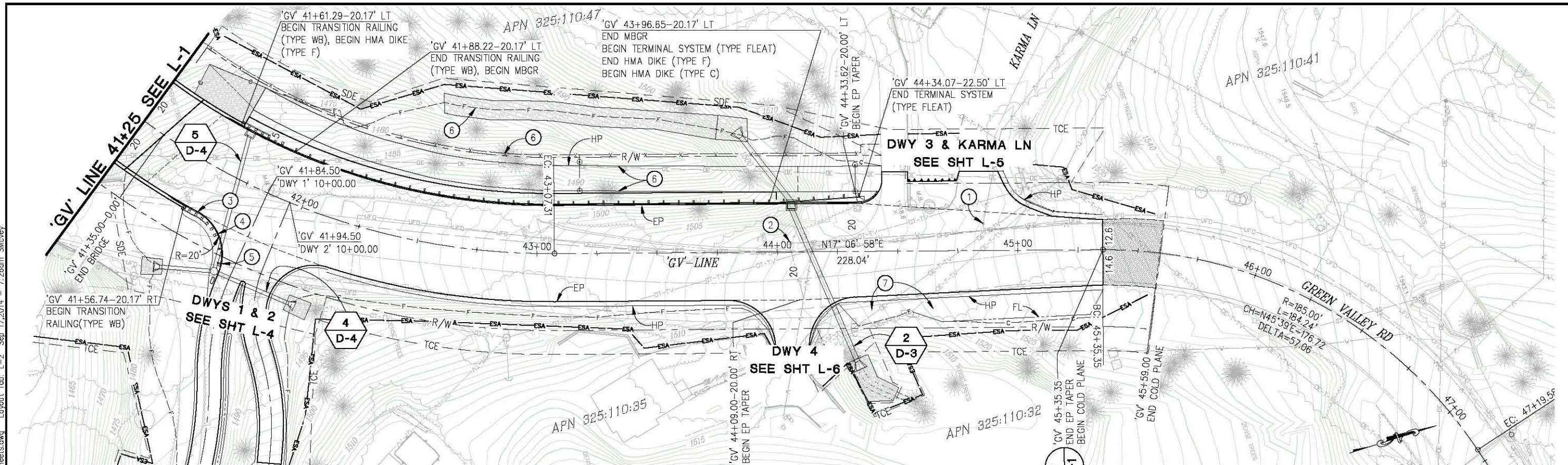
- NOTES:**
- 1. MBGR COMPONENT OFFSETS ARE TO FACE OF RAIL ELEMENT
 - 2. MBGR WITH A RADIUS OF 20' MUST BE SHAPED IN THE SHOP
- ESA— TEMPORARY FENCING (TYPE ESA)



LAYOUT-GREEN VALLEY RD
SCALE : 1" = 20' H,V

REVISION			PREPARED UNDER THE SUPERVISION OF: REGISTERED CIVIL ENGINEER DATE: 09/19/14	DESIGNED: DWH	DRAWN: SGM		COUNTY OF EL DORADO COMMUNITY DEVELOPMENT AGENCY TRANSPORTATION DIVISION	GREEN VALLEY RD AT WEBER CREEK BRIDGE REPLACEMENT	SHEET L-1 6 OF 78 W.O. No. 77114
NUMBER	DATE			DESCRIPTION	BY				

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FOR REDUCED PLANS
2
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NOTES:

1. MBGR COMPONENT OFFSETS ARE TO FACE OF RAIL ELEMENT.
2. MBGR WITH A RADIUS OF 20' MUST BE SHAPED IN THE SHOP.

—ESA— TEMPORARY FENCING (TYPE ESA)

CONSTRUCTION NOTES:

- 1 — ADJUST EXISTING VALVE BOX AND COVER TO GRADE.
- 2 — EXISTING EID 2" BLOW-OFF, TO BE RAISED TO GRADE BY EL DORADO IRRIGATION DISTRICT FORCES.
- 3 — 'GV' 41+62.56-20.17' RT BC TRANSITION RAILING (TYPE WB)
- 4 — 'GV' 41+73.32-24.50' RT END TRANSITION (TYPE WB), BEGIN TERMINAL SYSTEM (TYPE SRT)
- 5 — 'GV' 41+79.49-34.83' RT END TERMINAL SYSTEM (TYPE SRT)
- 6 — MAINTENANCE ACCESS, FENCE, & ROCK LINED DITCH, SEE SHT C-2.
- 7 — GRADE TO DRAIN

**LAYOUT-GREEN VALLEY RD
SCALE : 1" = 20' H,V**

REVISION				DESIGNED: DWH		DRAWN: SGM		CHECKED: DWH		DATE: 06/11/14		ROAD NUMBER: 002	
NUMBER	DATE	DESCRIPTION	BY	DESIGNED: DWH		DRAWN: SGM		CHECKED: DWH		DATE: 06/11/14		ROAD NUMBER: 002	

REGISTERED PROFESSIONAL ENGINEER
No. C71517
License Expires 12-31-15
STATE OF CALIFORNIA

PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
DATE: 09/19/14

COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION

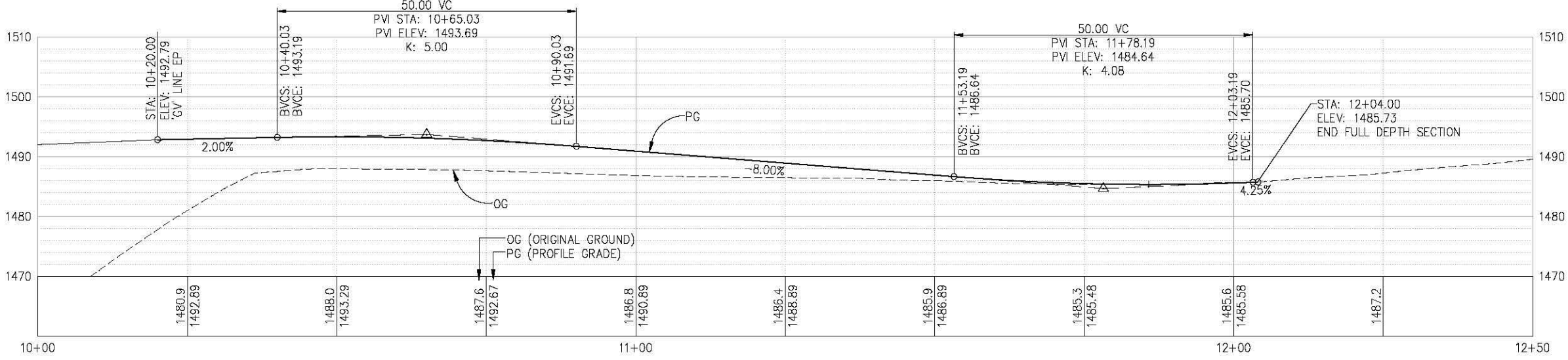
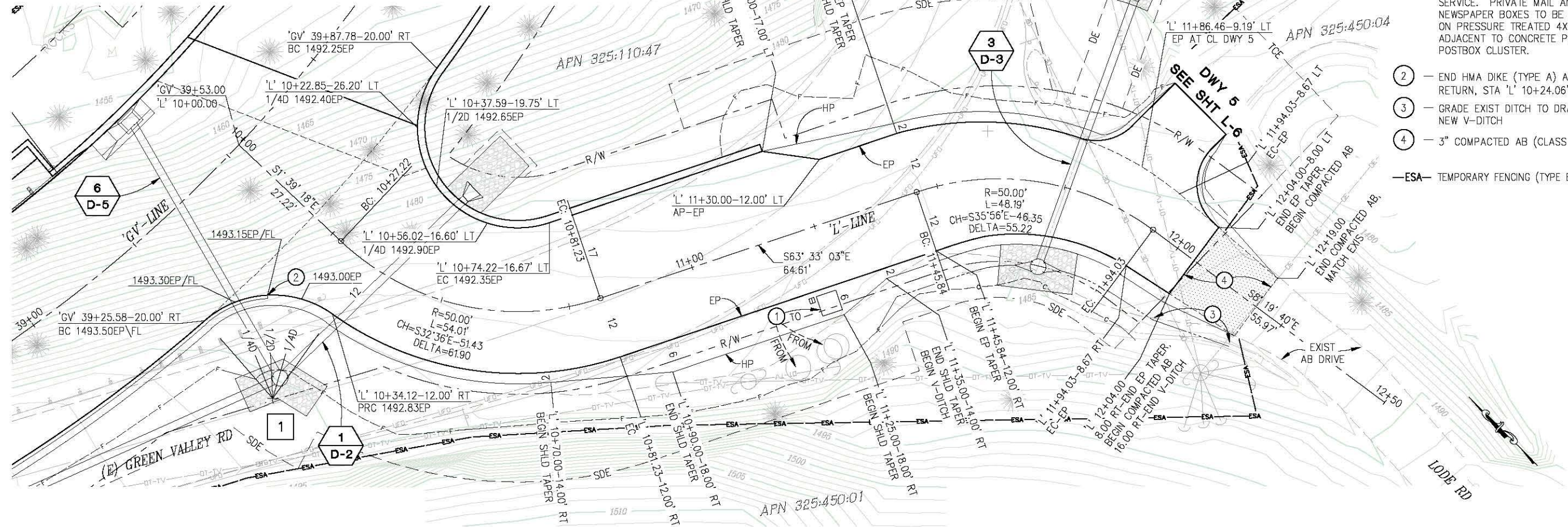
GREEN VALLEY RD AT WEBER CREEK
BRIDGE REPLACEMENT

SHEET
L-2
7 OF 78
W.O. No. **77114**

INTERSECTION CURVE DATA					
REFERENCE NUMBER	LOCATION	LENGTH	RADIUS	DELTA	CHORD
1	'GV' 39+25.58-40.00 Rt 'L' 10+34.12-32.00 Rt	26.73	20 TO EP	76°34'53"	N47°51'07"W 24.79

CONSTRUCTION NOTES:

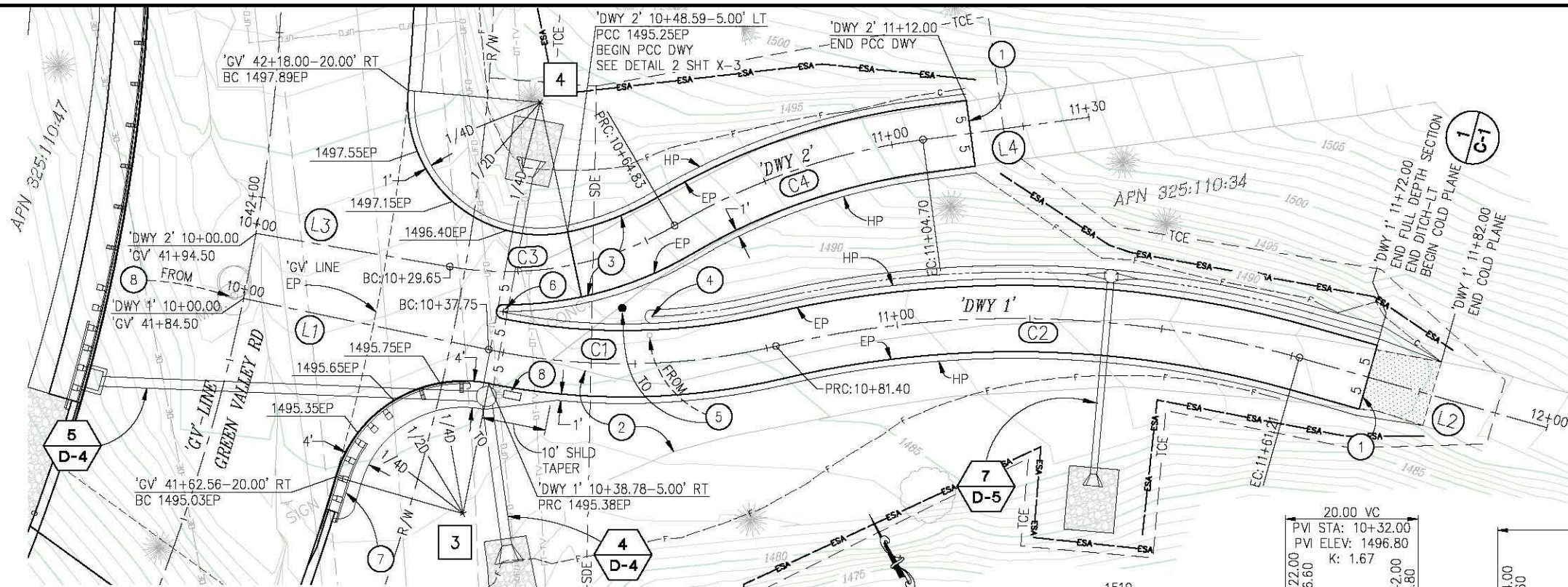
- ① — EXISTING MAIL BOXES TO BE RELOCATED TO END OF NEW SHOULDER TAPER, 'L' ±11+25.00 RT. COORDINATE INSTALLATION AND PLACEMENT WITH LOCAL U.S. POSTAL SERVICE. PRIVATE MAIL AND NEWSPAPER BOXES TO BE INSTALLED ON PRESSURE TREATED 4X4 POST, ADJACENT TO CONCRETE PAD OF POSTBOX CLUSTER.
- ② — END HMA DIKE (TYPE A) AT 1/2D OF RETURN, STA 'L' 10+24.06'-17.38' RT
- ③ — GRADE EXIST DITCH TO DRAIN INTO NEW V-DITCH
- ④ — 3" COMPACTED AB (CLASS 2)
- ESA— TEMPORARY FENCING (TYPE ESA)



LAYOUT-LODE RD
SCALE : 1" = 10' H,V

REVISION NUMBER DATE DESCRIPTION BY				PREPARED UNDER THE SUPERVISION OF: REGISTERED CIVIL ENGINEER DATE: 09/19/14		DESIGNED: DWH CHECKED: DWH ROAD NUMBER: 002		DRAWN: SGM DATE: 06/11/14				COUNTY OF EL DORADO COMMUNITY DEVELOPMENT AGENCY TRANSPORTATION DIVISION		GREEN VALLEY RD AT WEBER CREEK BRIDGE REPLACEMENT		SHEET L-3 8 OF 78 W.O. No. 77114	
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FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
Drawing name: C:\Civil 3D Projects\77114 Weber Cr at GVRD\CADD Files\Sheets\L Sheets.dwg Layout Tab: L-4 Sep 17, 2014 - 7:29am S:\mvey



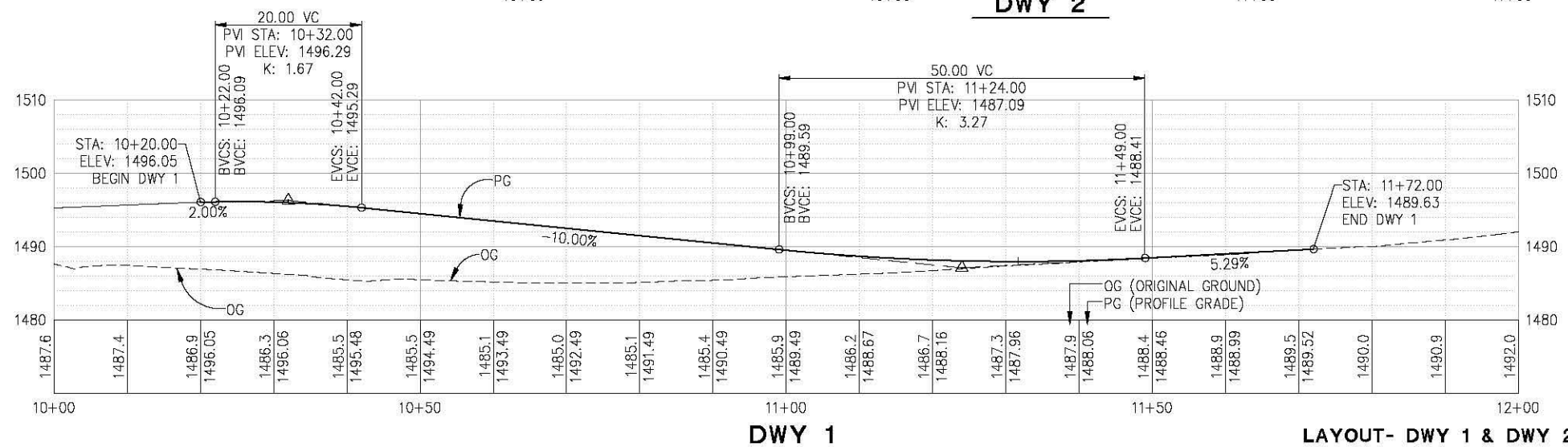
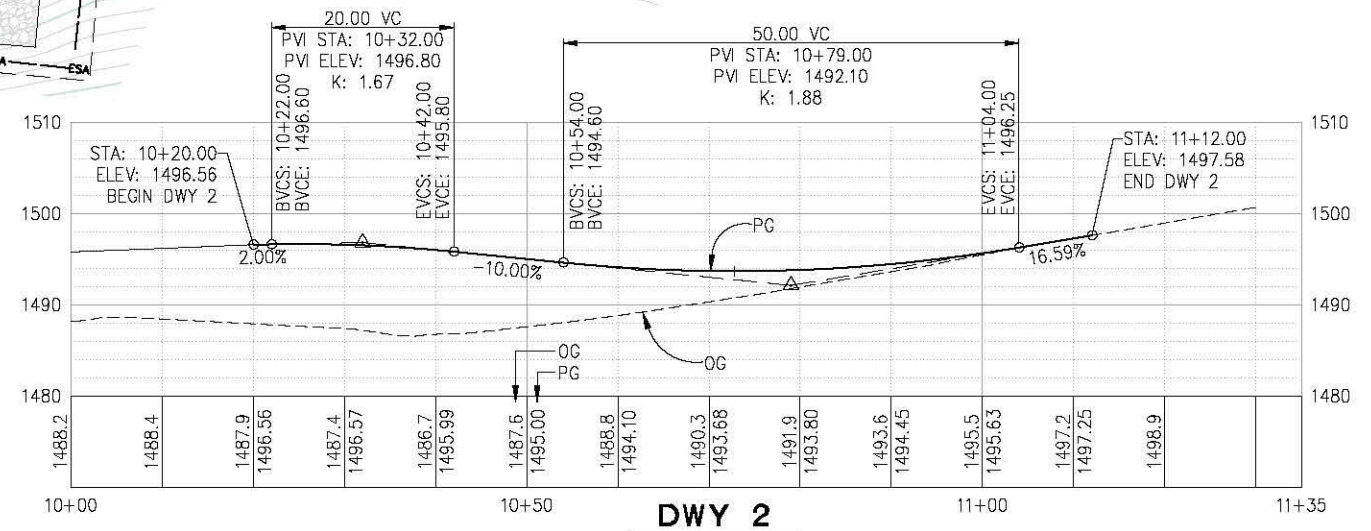
'DWY 2' & ALIGNMENT DATA				
NUMBER	LENGTH	RADIUS	LINE / CHORD DIRECTION	
L3	29.649		S50° 12' 20.23"E	
C3	35.182	50.00	S70° 21' 47"E - 34.46	
C4	39.874	100.00	S79° 05' 51"E - 39.61	
L4	25.295		S67° 40' 28.18"E	

'DWY 1' & ALIGNMENT DATA				
NUMBER	LENGTH	RADIUS	LINE / CHORD DIRECTION	
L1	37.747		S48° 11' 42.84"E	
C1	43.649	100.00	S60° 41' 59"E - 43.30	
C2	79.810	158.00	S58° 44' 01"E - 78.96	
L2	38.793		S44° 15' 45.91"E	

DWY 1 AND DWY 2 CURVE RETURN DATA					
REFERENCE NUMBER	LOCATION	LENGTH	RADIUS	DELTA	CHORD
3	'DWY 1' 10+38.78-25.00 Rt 'GV' 41+62.56-40.00 Rt	29.67	20	84°59'53"	N88°42'52"E 27.02
4	'DWY 2' 10+48.59-25.00 Lt 'GV' 42+18.00-40.00 Rt	37.14	20	106°58'54"	S18°25'18"E 32.15

CONSTRUCTION NOTES:

- 1 — SAWCUT EXISTING DWY TO A CLEAN UNIFORM LINE.
 - 2 — REMOVE EXISTING AC APPROACH AND DWY TO STA 'DWY 1' 11+72.00.
 - 3 — REMOVE EXISTING AC APPROACH AND PCC DWY TO STA 'DWY 2' 11+12.00.
 - 4 — BEGIN DRAINAGE SWALE STA 'DWY 1' 10+62.80-7.00 LT SEE DETAIL 1, SHT X-3.
 - 5 — RELOCATE EXISTING ADDRESS SIGN POST TO STA 'DWY 1' 10+58.00-8.38 LT.
 - 6 — EP RADIUS POINT, R=1.05, ELEV=1495.80 STA 'DWY 1' 10+38.81-6.05 LT.
 - 7 — SEE SHT L-2 FOR MBGR PLACEMENT.
 - 8 — RELOCATE MAILBOXES TO LOCATION SHOWN.
- ESA— TEMPORARY FENCING (TYPE ESA)



LAYOUT- DWY 1 & DWY 2
SCALE : 1" = 10' H,V

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
DATE: 09/19/14

DESIGNED: DWH
DRAWN: SGM
CHECKED: DWH
DATE: 06/11/14
ROAD NUMBER: 002

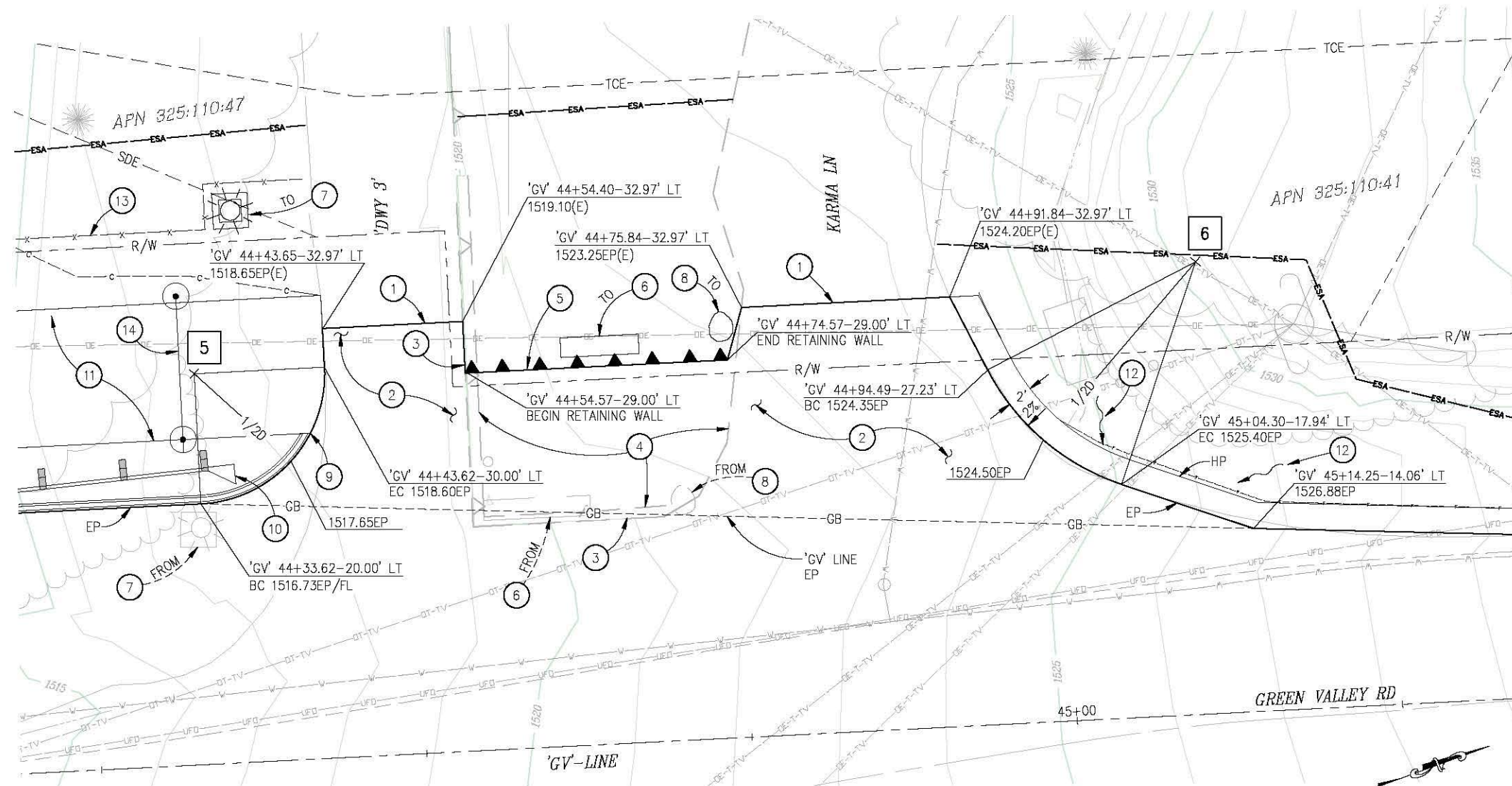


COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION

GREEN VALLEY RD AT WEBER CREEK
BRIDGE REPLACEMENT

SHEET
L-4
9 OF 78
W.O. No. 77114

DWY 3 AND KARMA LN CURVE RETURN DATA					
REFERENCE NUMBER	LOCATION	LENGTH	RADIUS	DELTA	CHORD
5	'GV' 44+33.62-30.00 Lt	15.71	10	90°00'02"	N27°53'01"W 14.14
6	'GV' 45+10.84-34.71 Lt	13.87	18	44°09'05"	N60°29'42"E 13.53



CONSTRUCTION NOTES:

- SAWCUT EXISTING AC TO A CLEAN UNIFORM LINE.
 - REMOVE EXISTING AC AND AB, REPLACE WITH 3" HMA (TYPE A) OVER 6" AB (CLASS 2). LIMITS ARE FROM 'GV' LINE EP TO STATIONS AND OFFSETS INDICATED.
 - SAWCUT EXISTING WALL AT STA 'GV' 44+54.40-29.65 LT AND REMOVE ±26 LF OF WALL.
 - EXCAVATE ±18 CY OF DIRT AND REPLACE WITH 3" HMA (TYPE A) OVER 6" AB (CLASS 2) TO GRADES SHOWN.
 - CONSTRUCT CMU BLOCK RETAINING WALL, MATCH EXISTING STONE FACIA. SEE C-1 FOR RETAINING WALL DETAILS.
 - RELOCATE EXISTING MAIL BOXES TO LOCATION CENTERED BEHIND NEW BLOCK WALL.
 - RELOCATE OR REMOVE EXISTING STONE LIGHT COLUMN AND RECONSTRUCT AT APPROXIMATE STA 'GV' 44+37.00-42.35 LT. COORDINATE EXACT LOCATION WITH ENGINEER AND PROPERTY OWNER. UTILIZE EXISTING LIGHT ASSEMBLY AND ELECTRICAL RUN. MATCH EXISTING STONE FACIA.
 - RELOCATE EXISTING LANDSCAPE BOULDER TO LOCATION BEHIND NEW RETAINING WALL ALONG EDGE OF PAVEMENT AS SHOWN.
 - END HMA DIKE (TYPE C) AT 'GV' 44+42.28-25.00 LT
 - MBGR TERMINAL SYSTEM (TYPE FLEAT) SEE SHT L-2 FOR PLACEMENT.
 - MAINTENANCE ACCESS, SEE SHT C-2.
 - GRADE AREA TO DRAIN
 - CHAIN LINK FENCE, SEE SHT C-2.
 - MAINTENANCE ACCESS GATE, SEE SHT C-2.
- ESA— TEMPORARY FENCING (TYPE ESA)

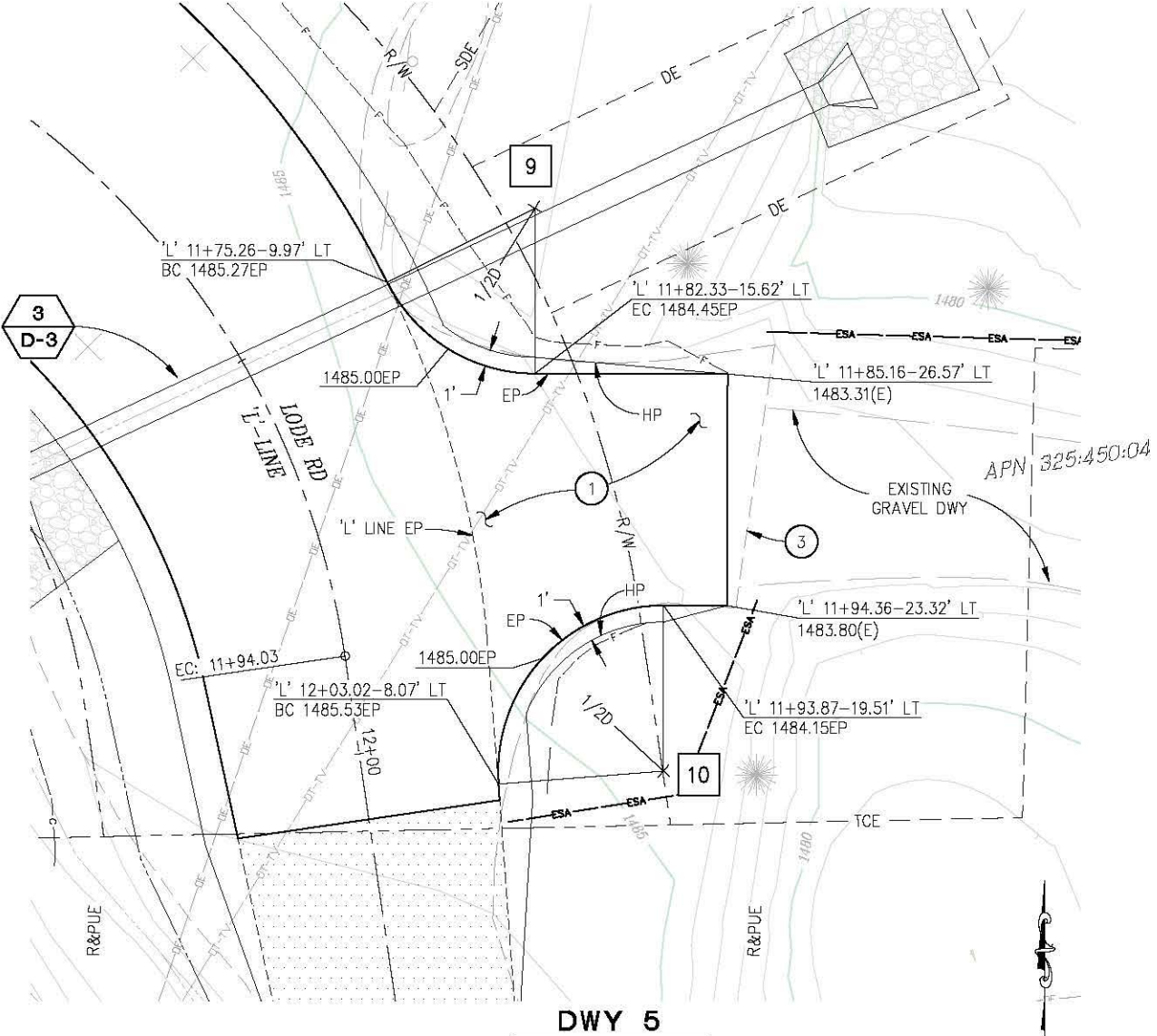
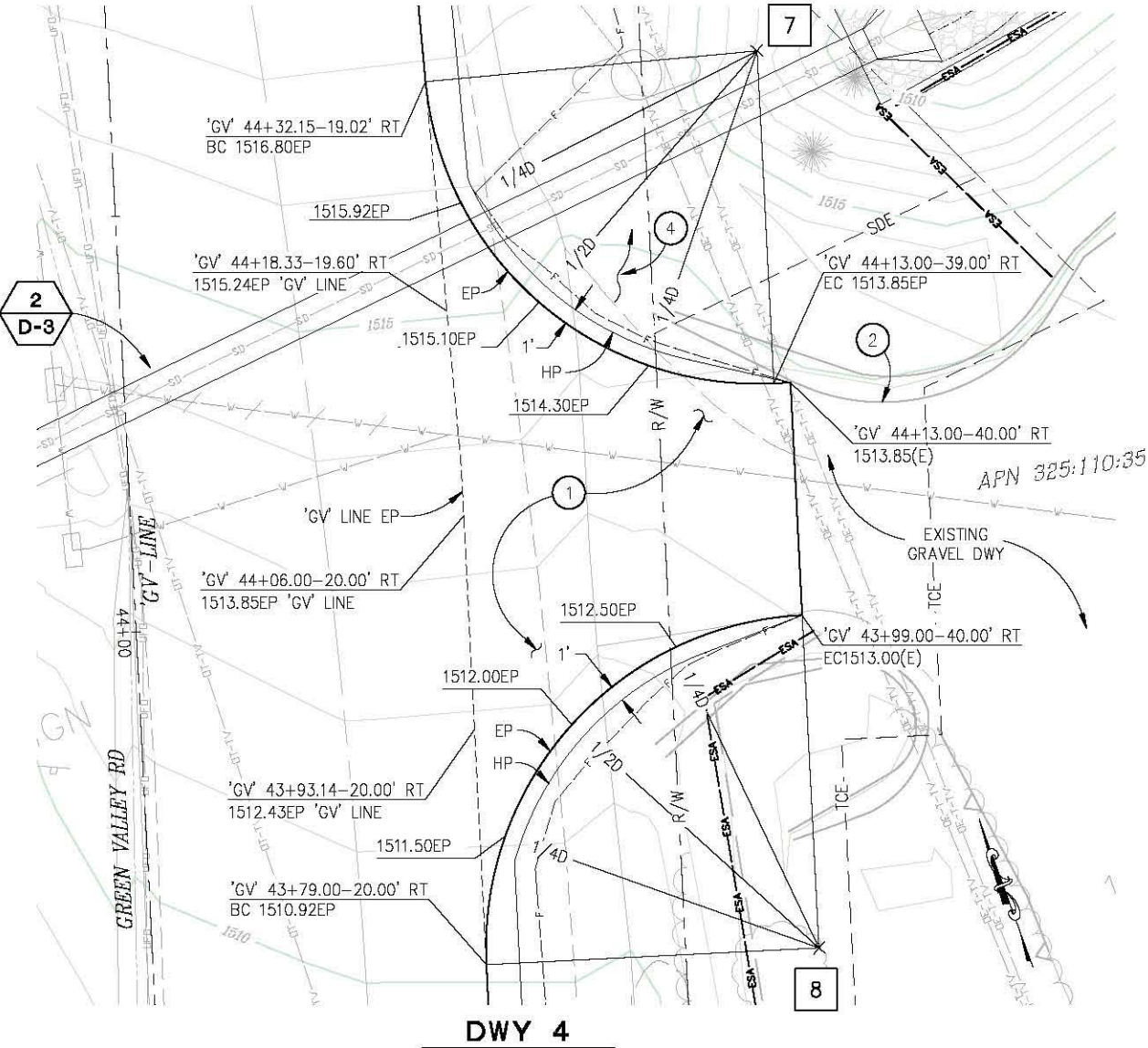
LAYOUT-DWY 3 & KARMA LN
SCALE : 1" = 5'

REVISION NUMBER DATE DESCRIPTION BY		PREPARED UNDER THE SUPERVISION OF: REGISTERED CIVIL ENGINEER No. C71517 LICENSE EXPIRES 12-31-15 STATE OF CALIFORNIA		DESIGNED: DWH CHECKED: DWH ROAD NUMBER: 002		DRAWN: SGM DATE: 06/11/14		 COUNTY OF EL DORADO COMMUNITY DEVELOPMENT AGENCY TRANSPORTATION DIVISION		GREEN VALLEY RD AT WEBER CREEK BRIDGE REPLACEMENT		SHEET L-5 10 OF 78 W.O. No. 77114	
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DWY 4 CURVE RETURN DATA					
REFERENCE NUMBER	LOCATION	LENGTH	RADIUS	DELTA	CHORD
7	'GV' 44+33.00-39.00 Rt	30.57	20	87°34'18"	S29°05'53"E 27.68
8	'GV' 43+79.00-40.00 Rt	31.42	20	90°00'00"	N62°06'58"E 28.28

- CONSTRUCTION NOTES:
- ① — 3" HMA OVER 6" AB (CLASS 2)
 - ② — EXISTING ROCK WALL, PROTECT IN PLACE.
 - ③ — EXISTING CHAIN LINK GATE, PROTECT IN PLACE.
 - ④ — GRADE AREA TO DRAIN.
- ESA— TEMPORARY FENCING (TYPE ESA)

DWY 5 CURVE RETURN DATA					
REFERENCE NUMBER	LOCATION	LENGTH	RADIUS	DELTA	CHORD
9	'L' 11+75.67-19.96 Lt	11.06	10	63°22'42"	S58°13'45"E 10.51
10	'L' 12+03.69-18.04 Lt	16.50	10	94°33'50"	N42°48'00"E 14.69



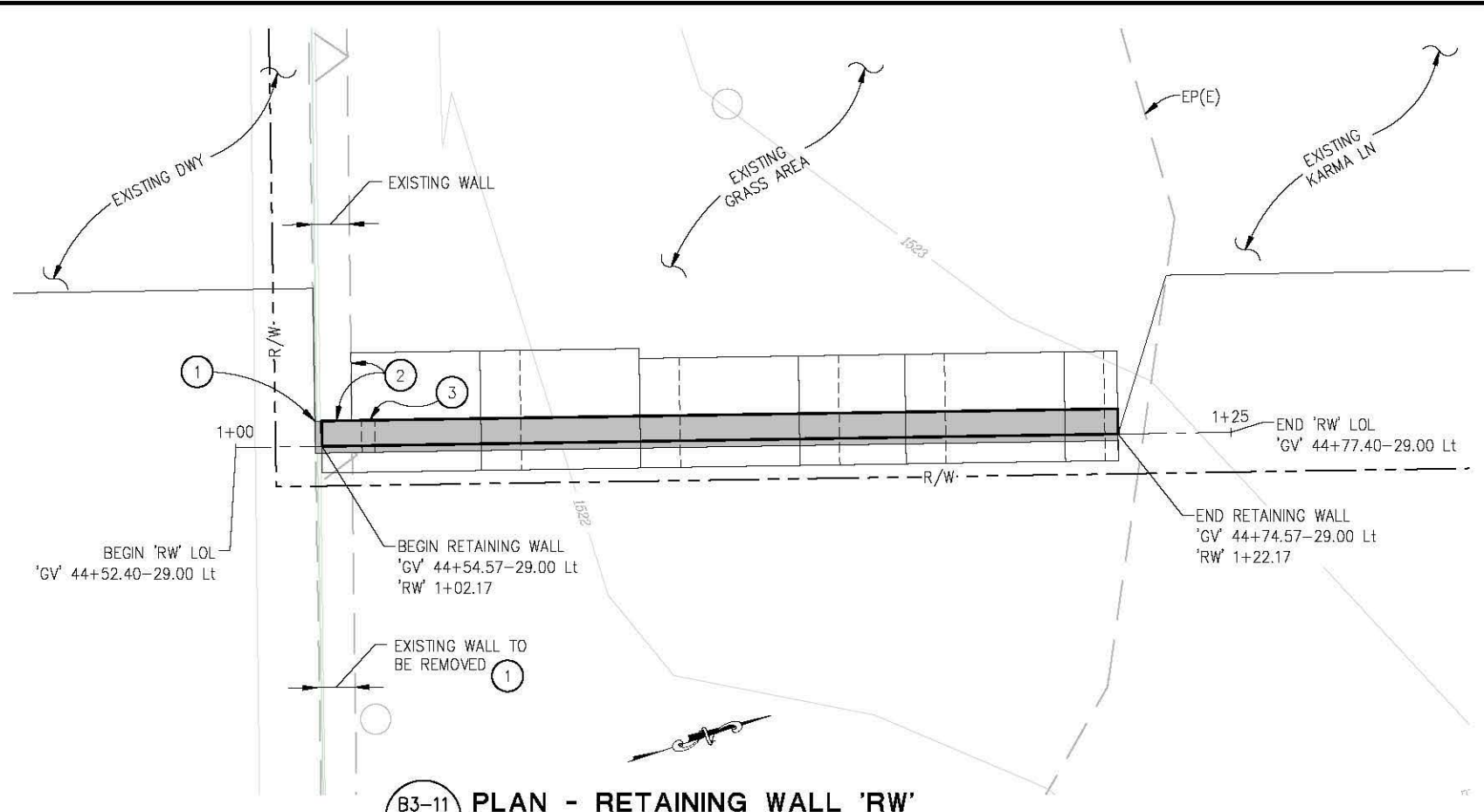
LAYOUT-DWY 4 AND DWY 5
SCALE : 1" = 5'

REVISION	DESIGNED: DWH	DRAWN: SGM	COUNTY OF EL DORADO COMMUNITY DEVELOPMENT AGENCY TRANSPORTATION DIVISION	SHEET L-6 11 OF 78 W.O. No. 77114
NUMBER	CHECKED: DWH	DATE: 06/11/14		
DATE	ROAD NUMBER: 002			
DESCRIPTION				
BY				

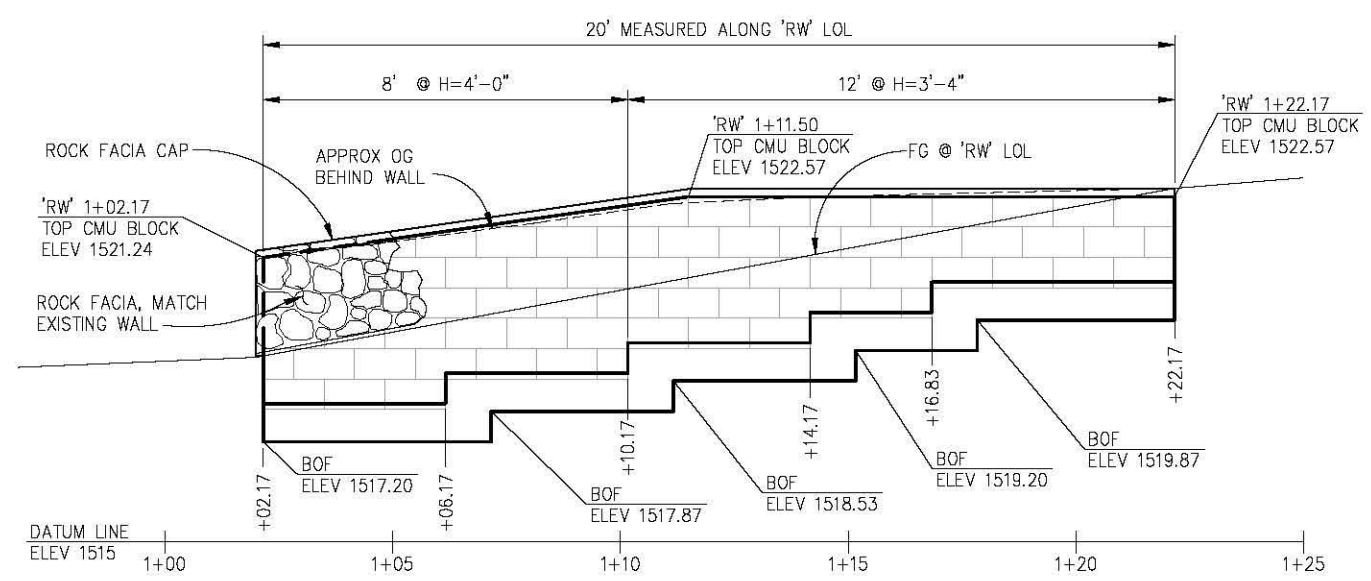
REGISTERED PROFESSIONAL ENGINEER
DUSTIN W. HARRINGTON
No. C71517
License Expires 12-31-15
STATE OF CALIFORNIA

PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
09/19/14
DATE:

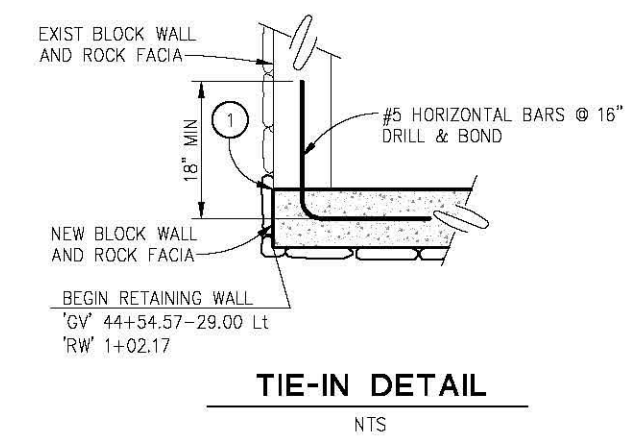
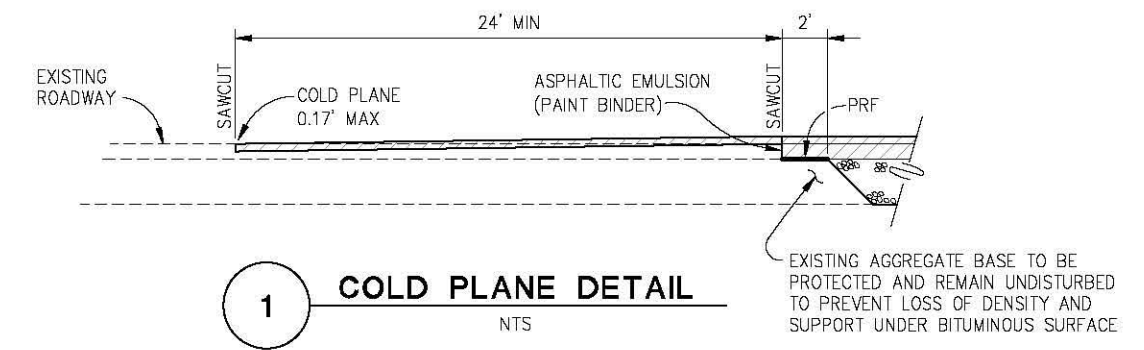
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B3-11 PLAN - RETAINING WALL 'RW'
SCALE: 1"=2'

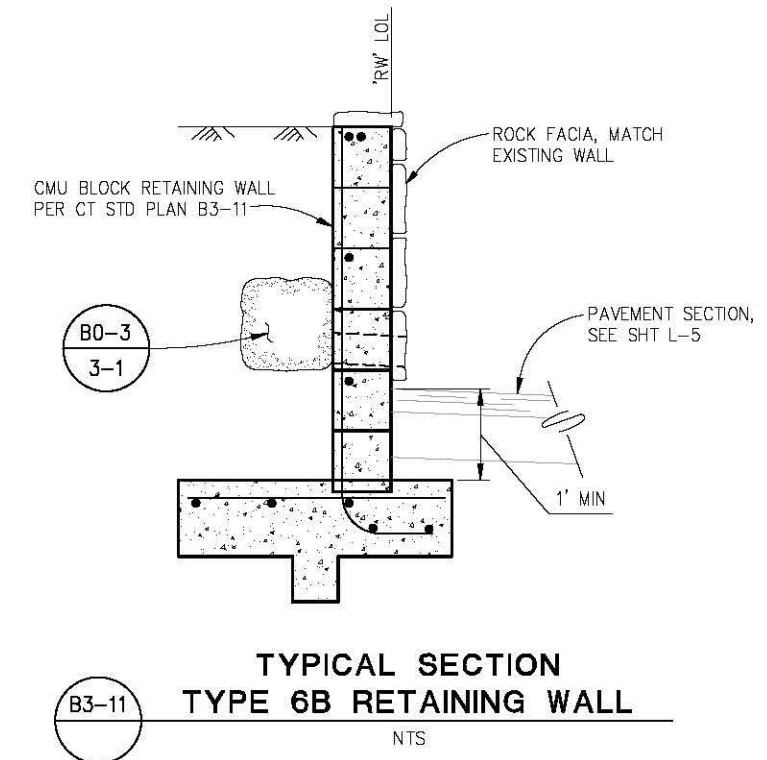


B3-11 ELEVATION - RETAINING WALL 'RW'
SCALE: 1"=2' H,V



- GENERAL NOTES:**
1. REFER TO CALTRANS STD PLANS FOR ADDITIONAL RETAINING WALL DETAILS.
 2. SEE LAYOUT SHEETS FOR ROADWAY AND DRIVEWAY DETAILS.

- CONSTRUCTION NOTES:**
- 1 - SAWCUT EXISTING WALL AT STA 'GV' 44+54.40-29.65 LT AND REMOVE ±26 LF OF WALL. SEE TIE-IN DETAIL THIS SHEET.
 - 2 - FORM NEW RETAINING WALL FOOTING AROUND EXISTING WALL AND FOOTING.
 - 3 - PERVIOUS BACKFILL AND WEEP HOLE PER **B0-3 3-1**



CONSTRUCTION DETAILS
SCALE : AS SHOWN

REVISION	DESIGNED:	DWH	DRAWN:	SGM	
	CHECKED:	DWH	DATE:	06/11/14	
NUMBER	DATE	DESCRIPTION	BY	ROAD NUMBER:	002

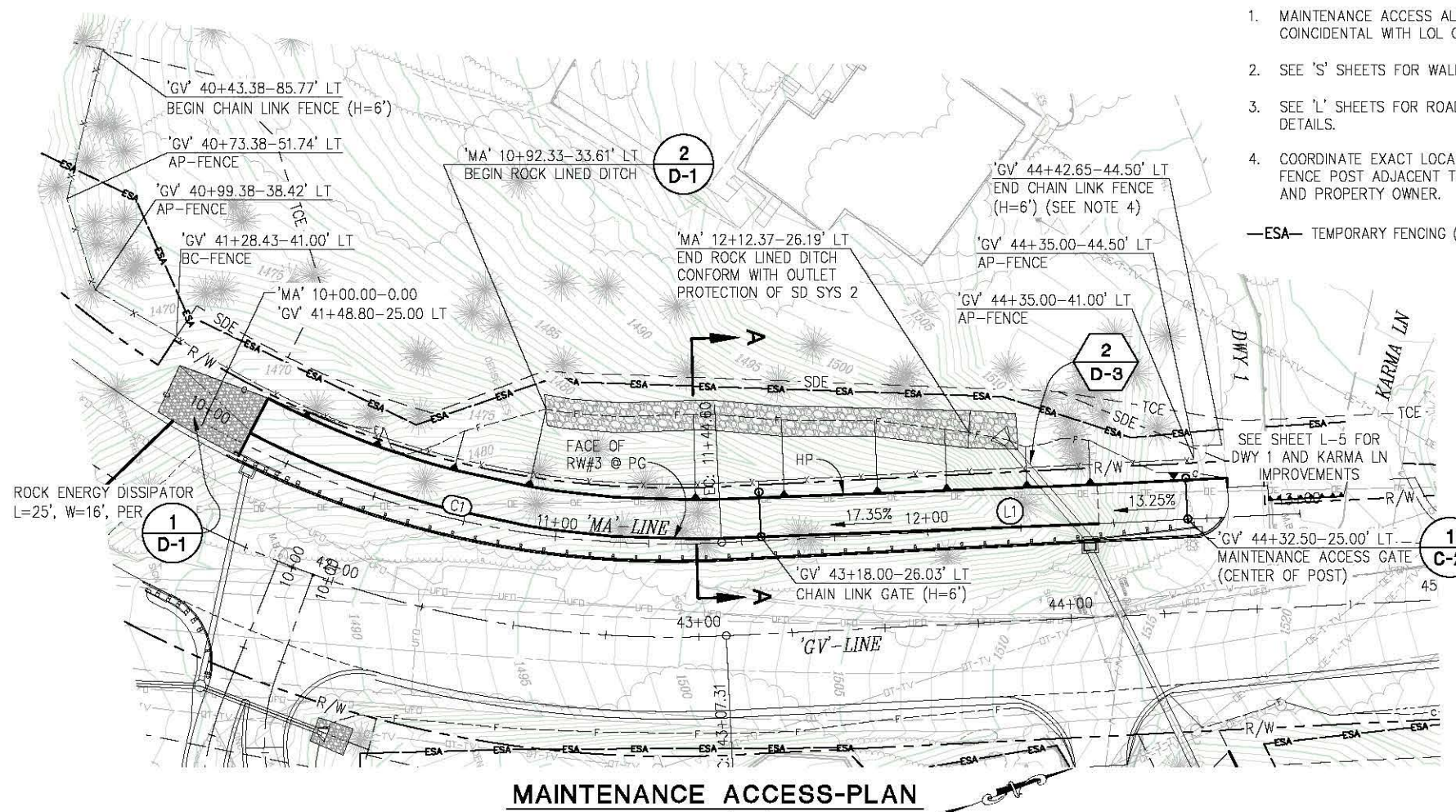
PREPARED UNDER THE SUPERVISION OF:
Justin W. Harrington
REGISTERED CIVIL ENGINEER
DATE: 09/19/14

COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION

GREEN VALLEY RD AT WEBER CREEK
BRIDGE REPLACEMENT

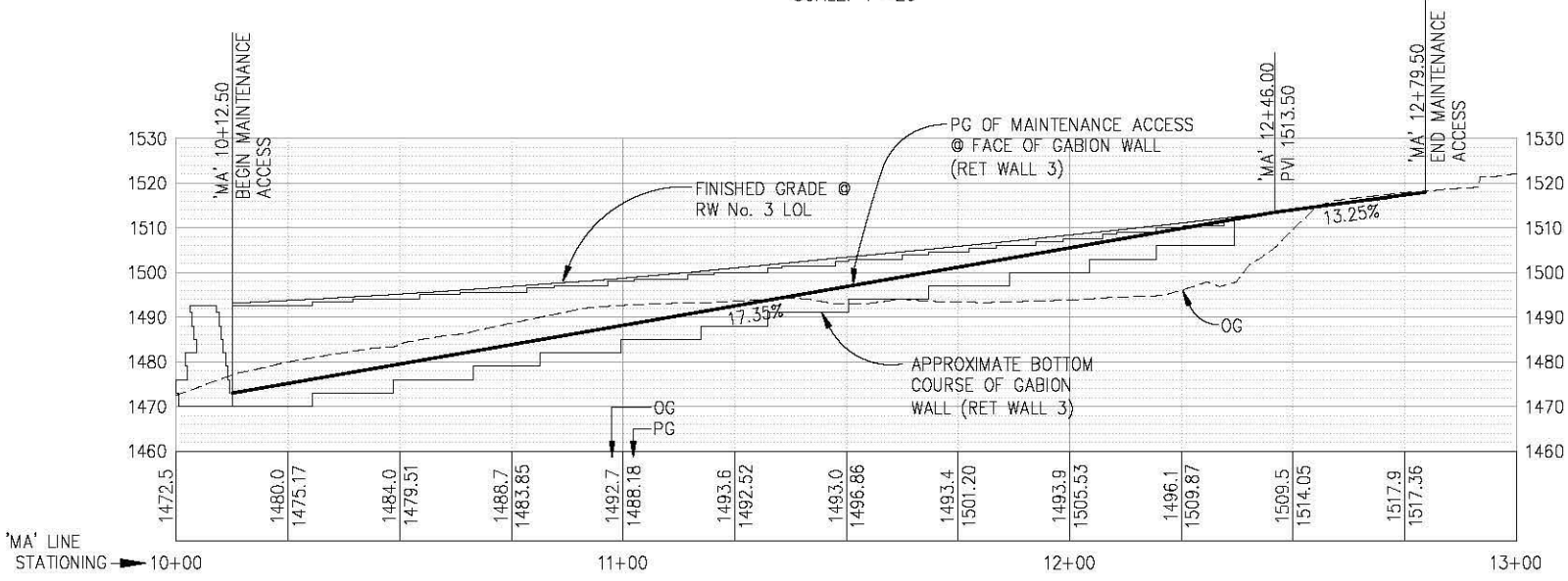
SHEET
C-1
12 OF 78
W.O. No. **77114**

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MAINTENANCE ACCESS-PLAN

SCALE: 1"=20'



MAINTENANCE ACCESS-PROFILE

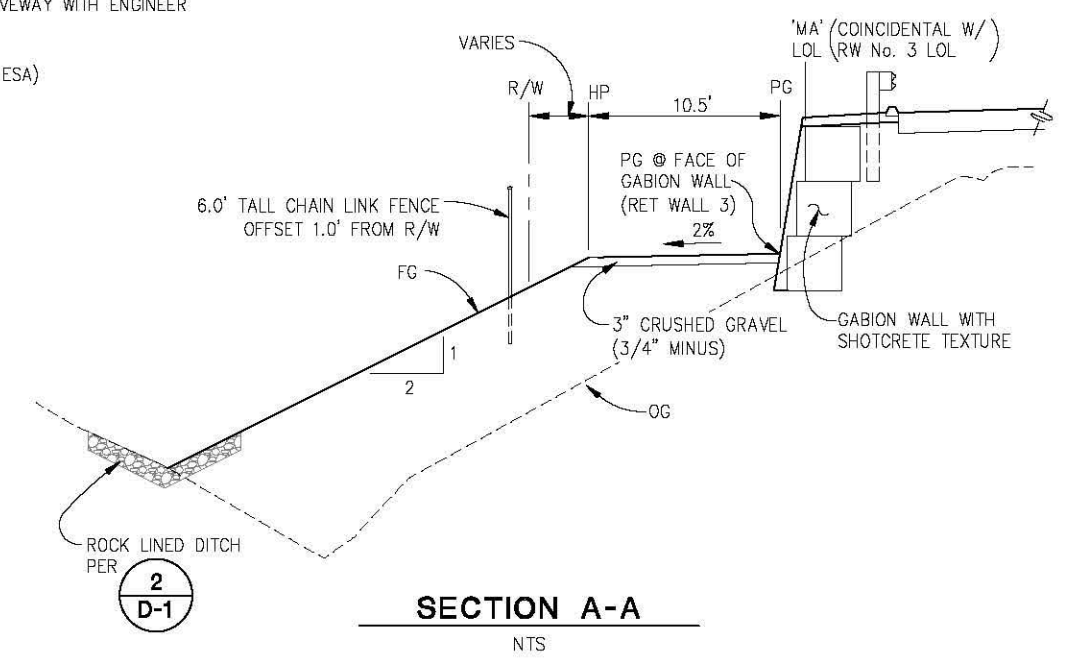
SCALE: 1"=20' H,V

GENERAL NOTES:

1. MAINTENANCE ACCESS ALIGNMENT ('MA' LINE) IS COINCIDENTAL WITH LOL OF RETAINING WALL NO. 3.
2. SEE 'S' SHEETS FOR WALL DETAILS.
3. SEE 'L' SHEETS FOR ROADWAY AND DRIVEWAY DETAILS.
4. COORDINATE EXACT LOCATION OF END CHAIN LINK FENCE POST ADJACENT TO DRIVEWAY WITH ENGINEER AND PROPERTY OWNER.

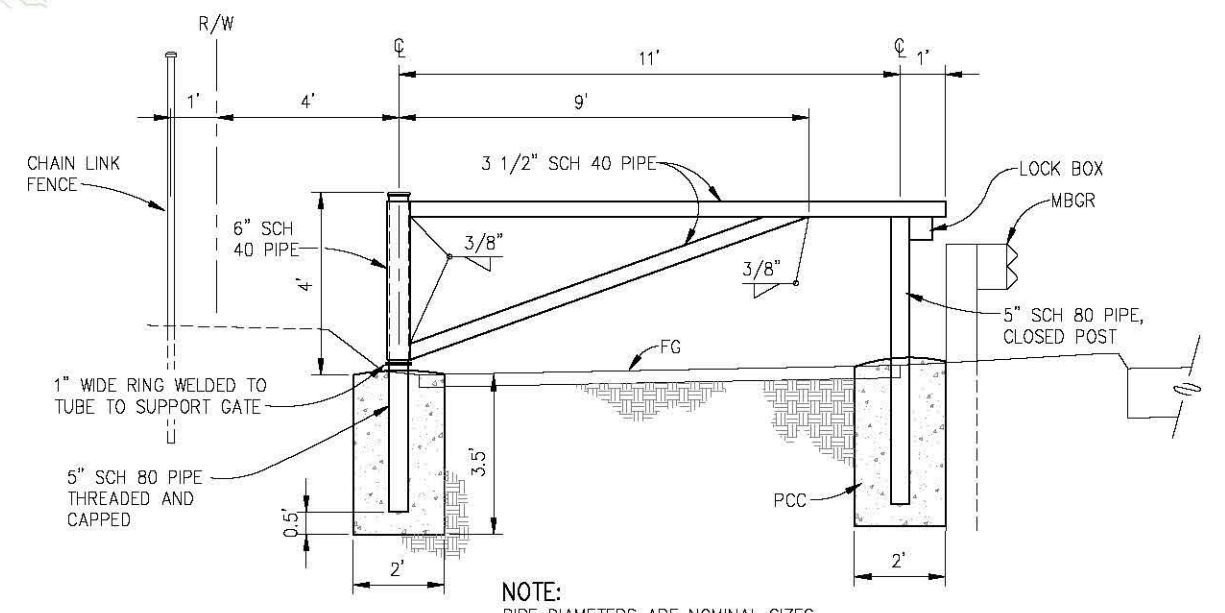
—ESA— TEMPORARY FENCING (TYPE ESA)

'MA' LINE				
NUMBER	LENGTH	RADIUS	LINE / CHORD DIRECTION & LENGTH	DELTA
C1	144.60	260.00	N 33° 02' 57" E - 142.75	31° 51' 59"
L1	155.40		N 17° 06' 58" E	



SECTION A-A

NTS



NOTE:
PIPE DIAMETERS ARE NOMINAL SIZES

MAINTENANCE ACCESS GATE

NTS

CONSTRUCTION DETAILS
SCALE : AS SHOWN

REVISION	DESIGNED: DWH	DRAWN: SGM	DATE: 06/11/14	ROAD NUMBER: 002	COUNTY OF EL DORADO COMMUNITY DEVELOPMENT AGENCY TRANSPORTATION DIVISION	GREEN VALLEY RD AT WEBER CREEK BRIDGE REPLACEMENT	SHEET C-2 13 OF 78 W.O. No. 77114
NUMBER	DATE	DESCRIPTION	BY	DATE: 09/19/14			

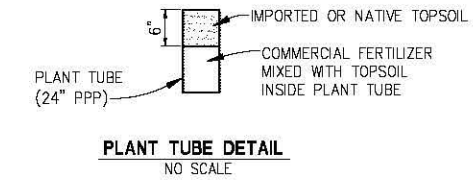
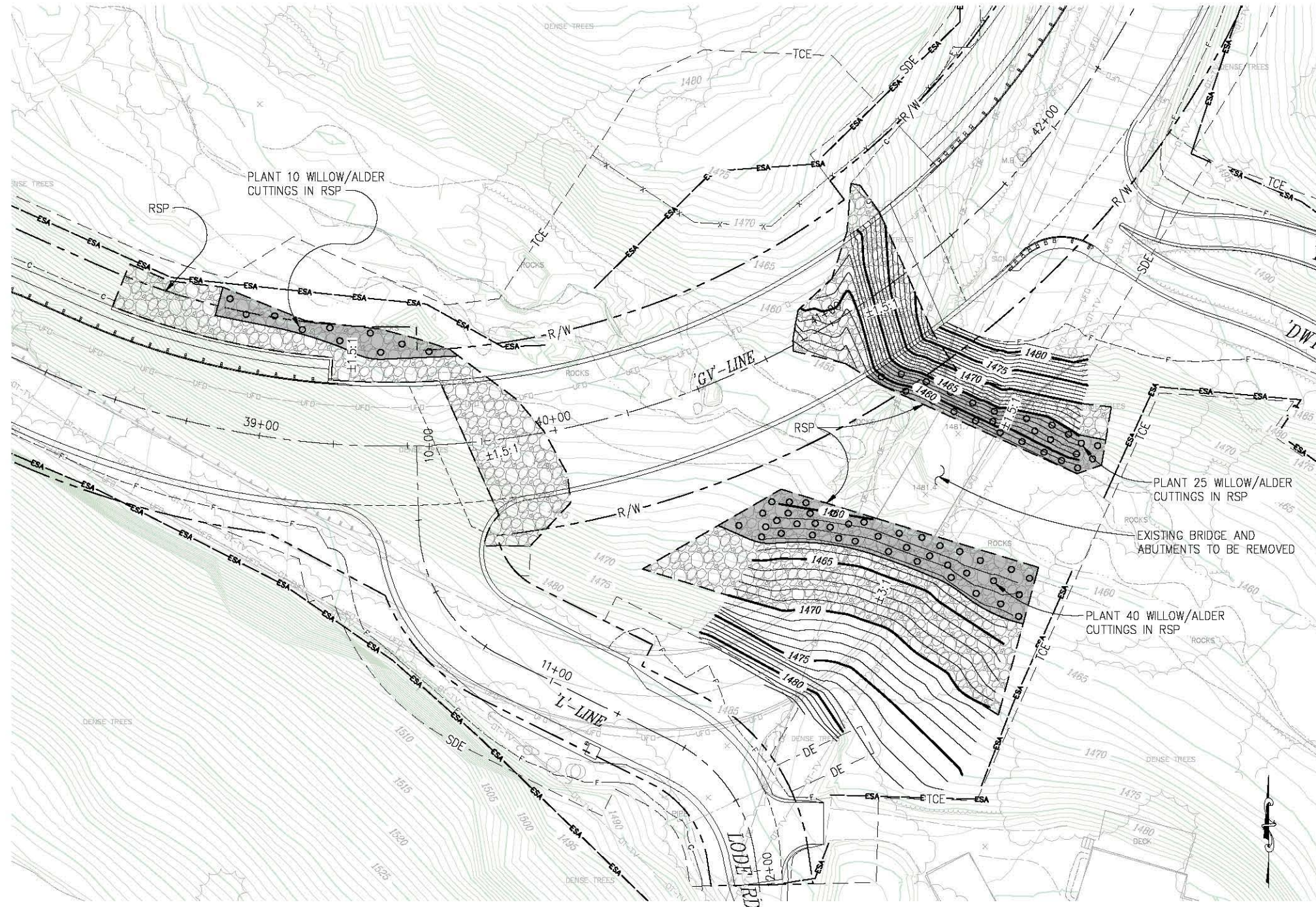
REGISTERED PROFESSIONAL ENGINEER
No. C71517
License Expires 12-31-15
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE SUPERVISION OF:

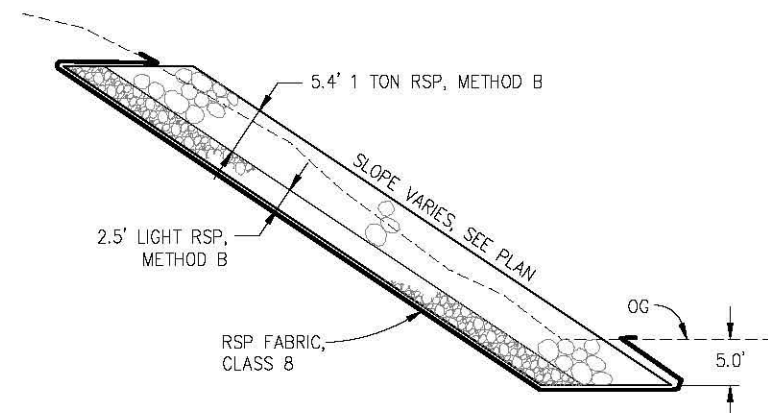
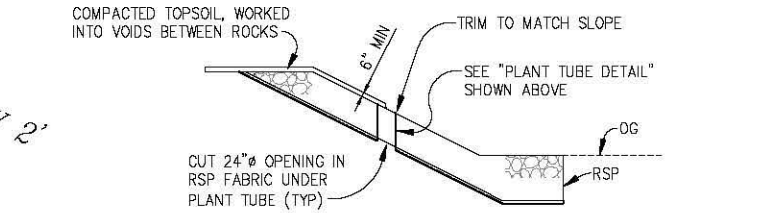
REGISTERED CIVIL ENGINEER
DATE: 09/19/14

EL DORADO COUNTY
CALIFORNIA

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ORIGINAL SCALE IS IN INCHES
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WILLOW CUTTINGS PLANT TUBE LOCATION DETAIL
NO SCALE



ROCK SLOPE PROTECTION
NTS

THIS PLAN ACCURATE FOR CONTOUR GRADING, SLOPE PROTECTION, AND PLANT ESTABLISHMENT WORK ONLY

CONTOUR GRADING AND SLOPE PROTECTION
SCALE : 1" = 20'

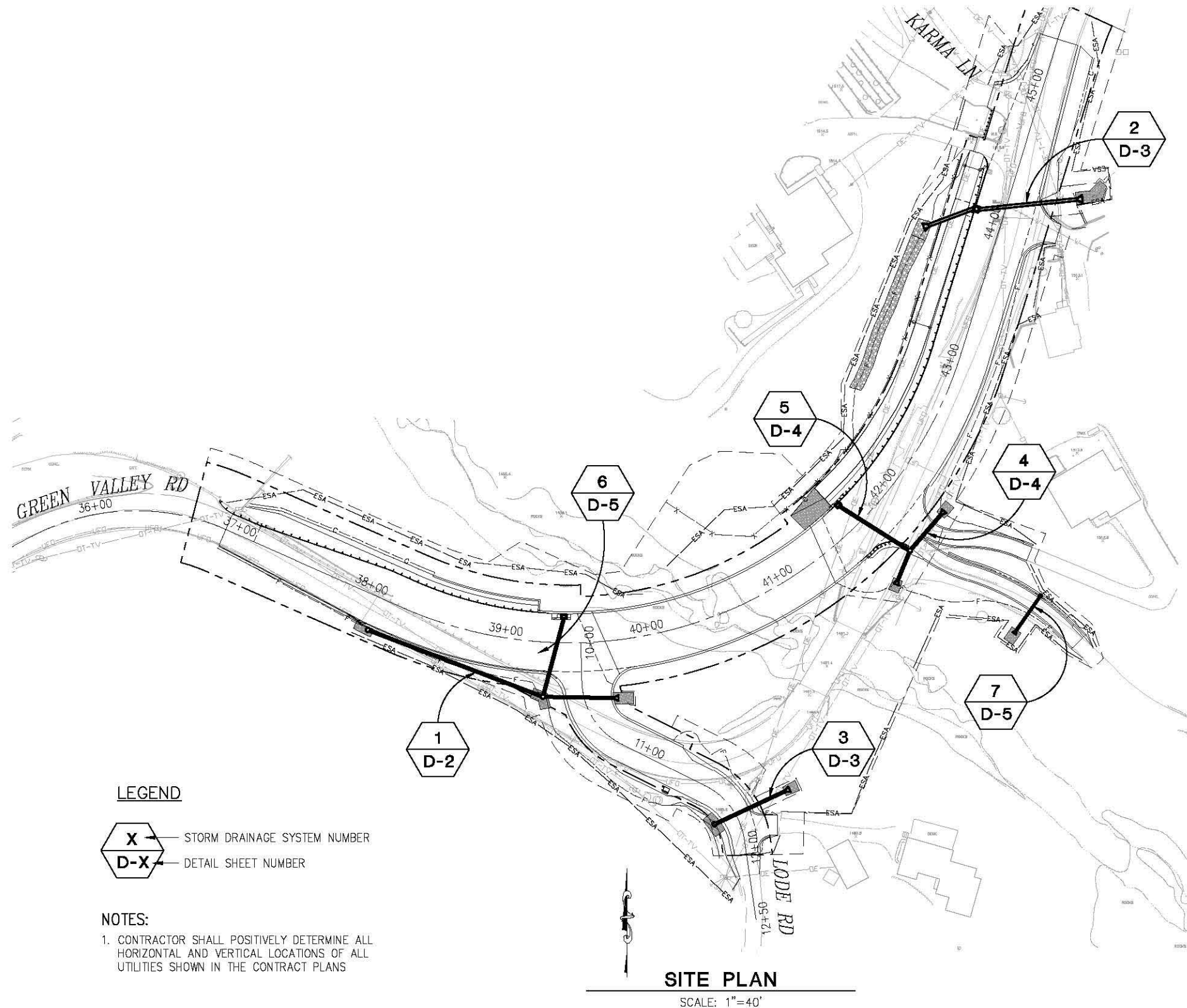
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	CHECKED: DWH			DATE: 08/06/14							
NUMBER			DATE			DESCRIPTION			BY		

PREPARED UNDER THE SUPERVISION OF:

REGISTERED CIVIL ENGINEER
DATE: 09/19/14

DESIGNED: DWH
CHECKED: DWH
ROAD NUMBER: 002

FOR REDUCED PLANS
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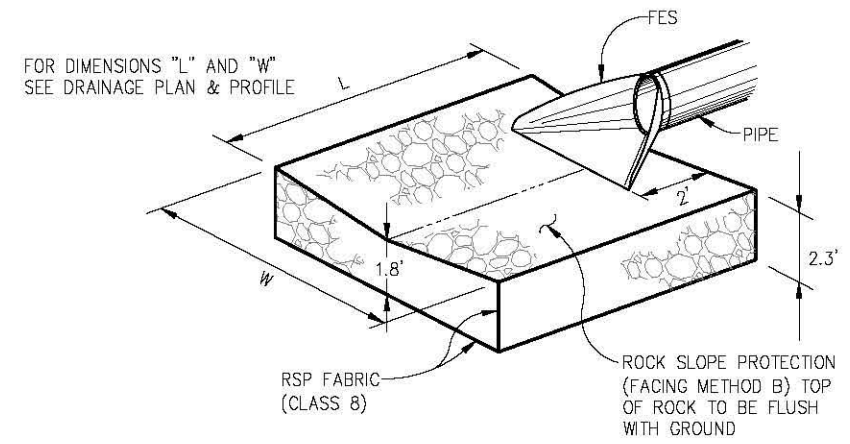
LEGEND

X → STORM DRAINAGE SYSTEM NUMBER
D-X → DETAIL SHEET NUMBER

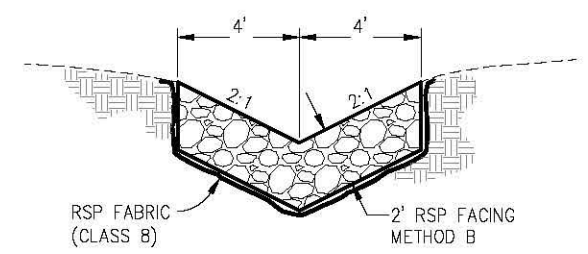
NOTES:

1. CONTRACTOR SHALL POSITIVELY DETERMINE ALL HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES SHOWN IN THE CONTRACT PLANS

SITE PLAN
SCALE: 1"=40'



1 ROCK ENERGY DISSIPATOR
D-1 NTS



2 ROCK LINED DITCH
D-1 NTS

NOTE:
WIDTH OF DITCH VARIES WHERE CONFORMING WITH SYSTEM 2 ENERGY DISSIPATOR

THIS PLAN ACCURATE FOR DRAINAGE WORK ONLY

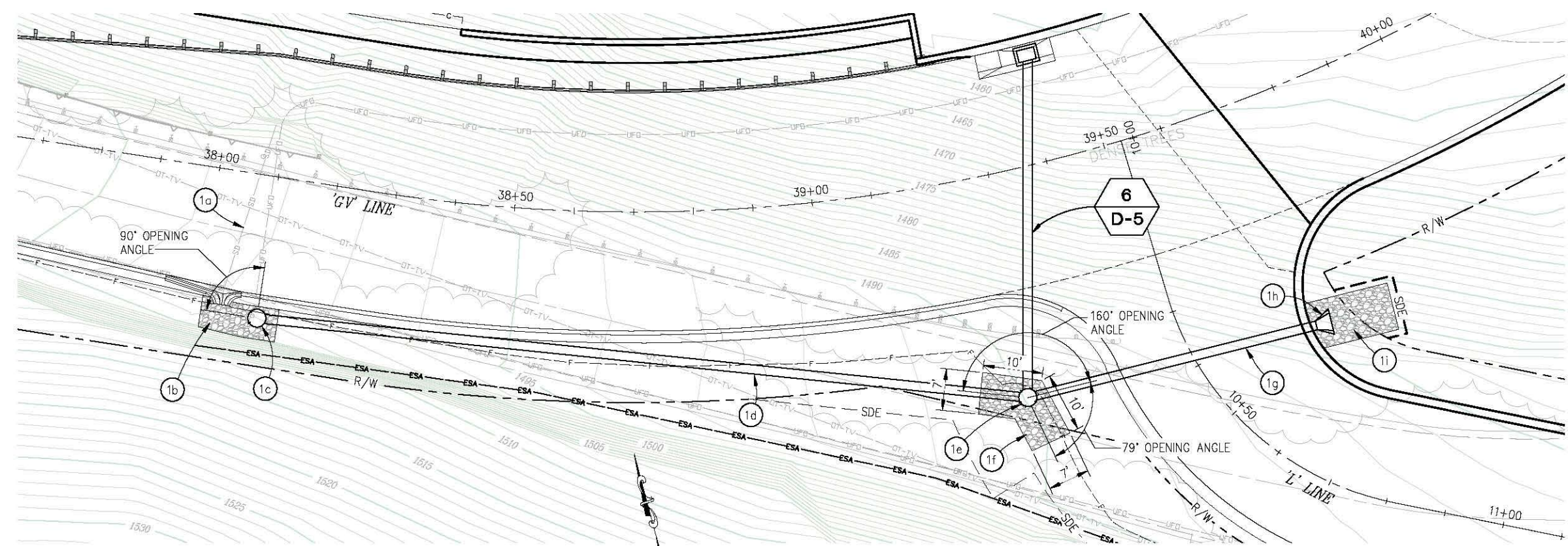
DRAINAGE SITE PLAN
SCALE : AS SHOWN

REVISION	DESIGNED: CG	DRAWN: SGM		COUNTY OF EL DORADO COMMUNITY DEVELOPMENT AGENCY TRANSPORTATION DIVISION	GREEN VALLEY RD AT WEBER CREEK BRIDGE REPLACEMENT	SHEET D-1 15 OF 78 W.O. No. 77114
	CHECKED: CG	DATE: 06/13/14				
NUMBER	DATE	DESCRIPTION	BY	PREPARED UNDER THE SUPERVISION OF: REGISTERED CIVIL ENGINEER No. C71517 License Expires 12-31-15 STATE OF CALIFORNIA DATE: 09/19/14		

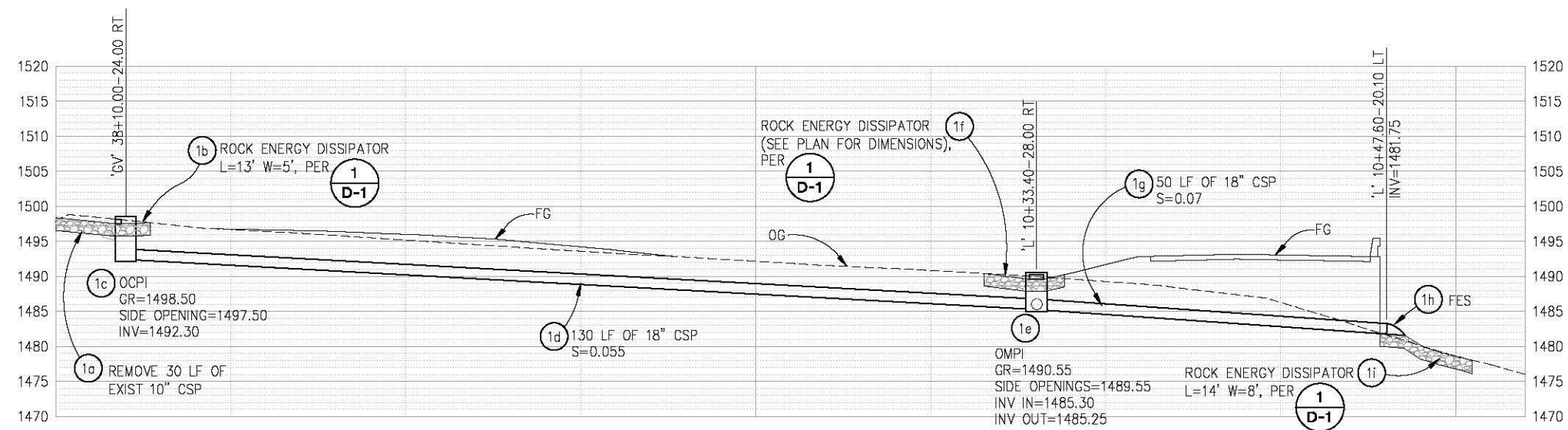
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FOR REDUCED PLANS

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PLAN-SD SYSTEM 1
SCALE: 1"=10'



PROFILE-SD SYSTEM 1
SCALE: 1"=10' H,V

NOTES:
1. CONTRACTOR SHALL POSITIVELY DETERMINE ALL HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES SHOWN IN THE CONTRACT PLANS

THIS PLAN ACCURATE FOR DRAINAGE WORK ONLY

DRAINAGE LAYOUT
SCALE : AS SHOWN

REVISION	DESIGNED: CG	DRAWN: SGM	COUNTY OF EL DORADO COMMUNITY DEVELOPMENT AGENCY TRANSPORTATION DIVISION	GREEN VALLEY RD AT WEBER CREEK BRIDGE REPLACEMENT	SHEET D-2 16 OF 78 W.O. No. 77114
	CHECKED: CG	DATE: 06/13/14			
NUMBER	DATE	DESCRIPTION	BY		

REGISTERED PROFESSIONAL ENGINEER
JUSTIN W. HARRINGTON
No. C71517
License Expires 12-31-15
CIVIL
STATE OF CALIFORNIA

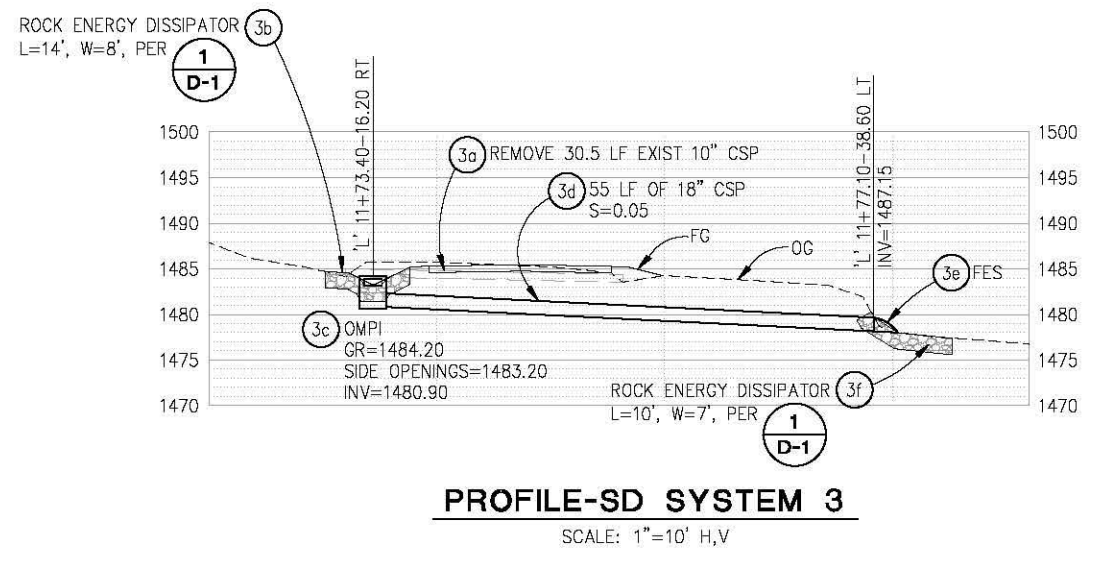
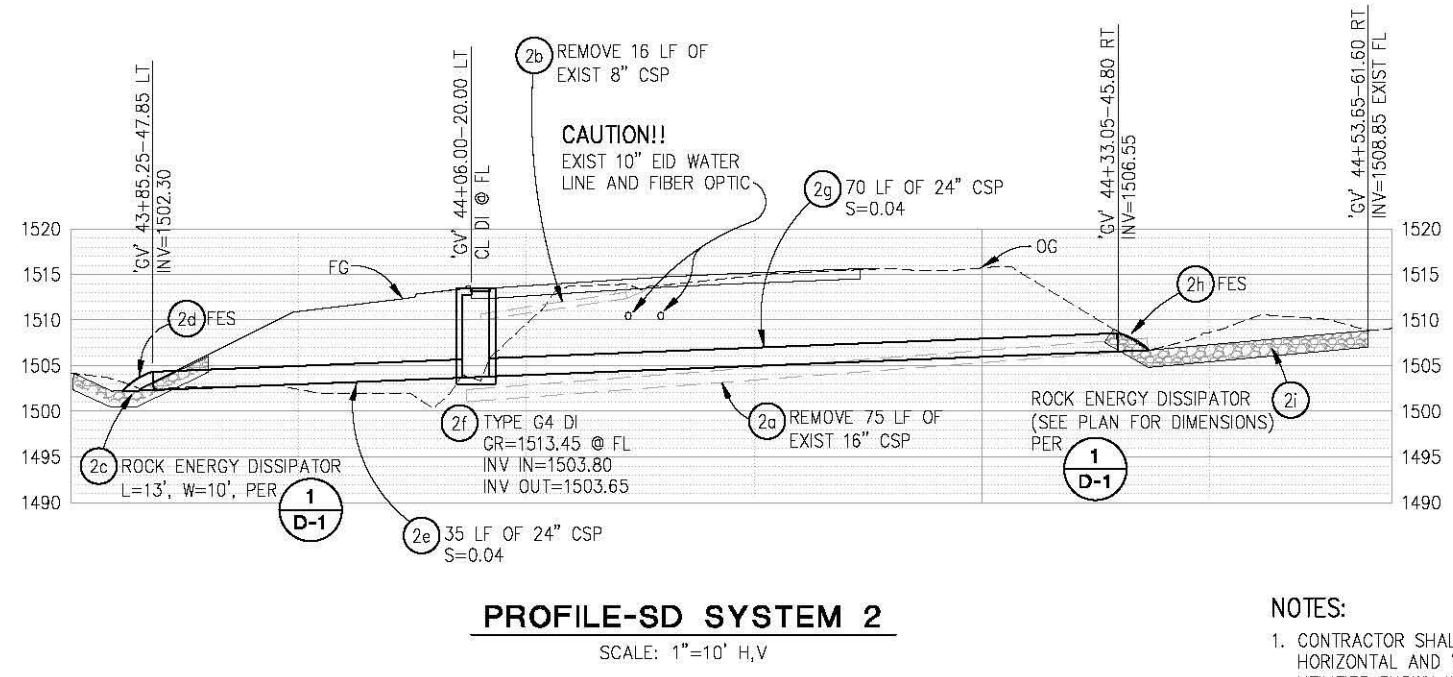
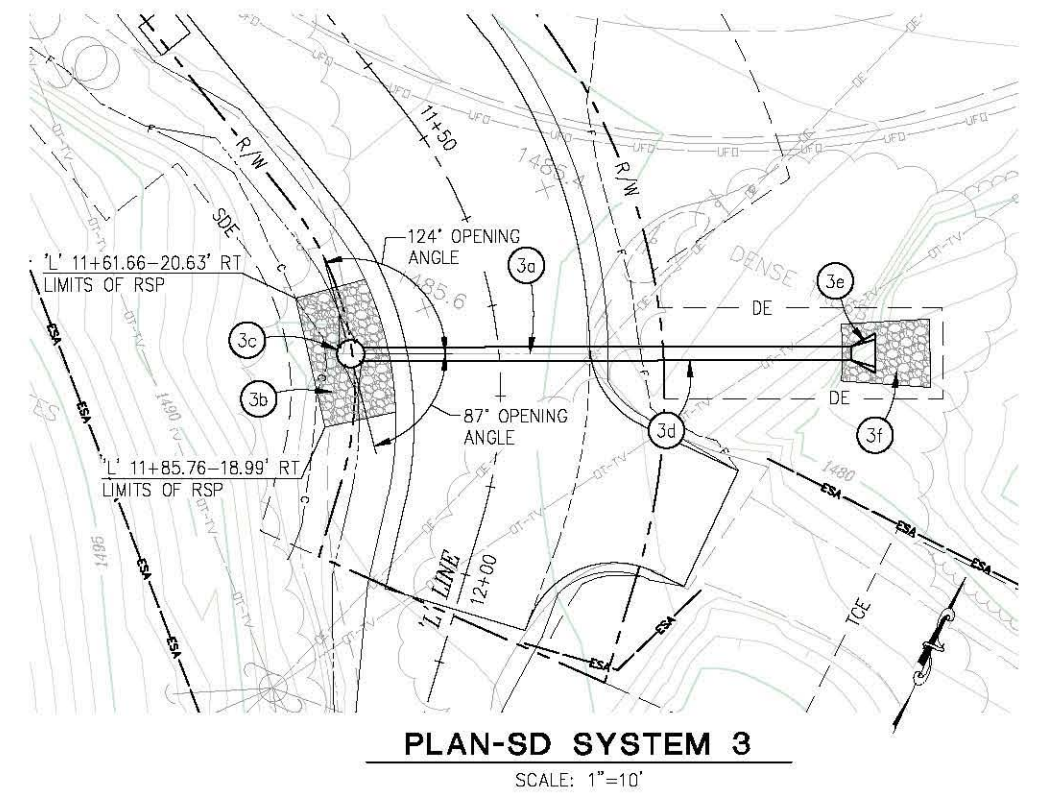
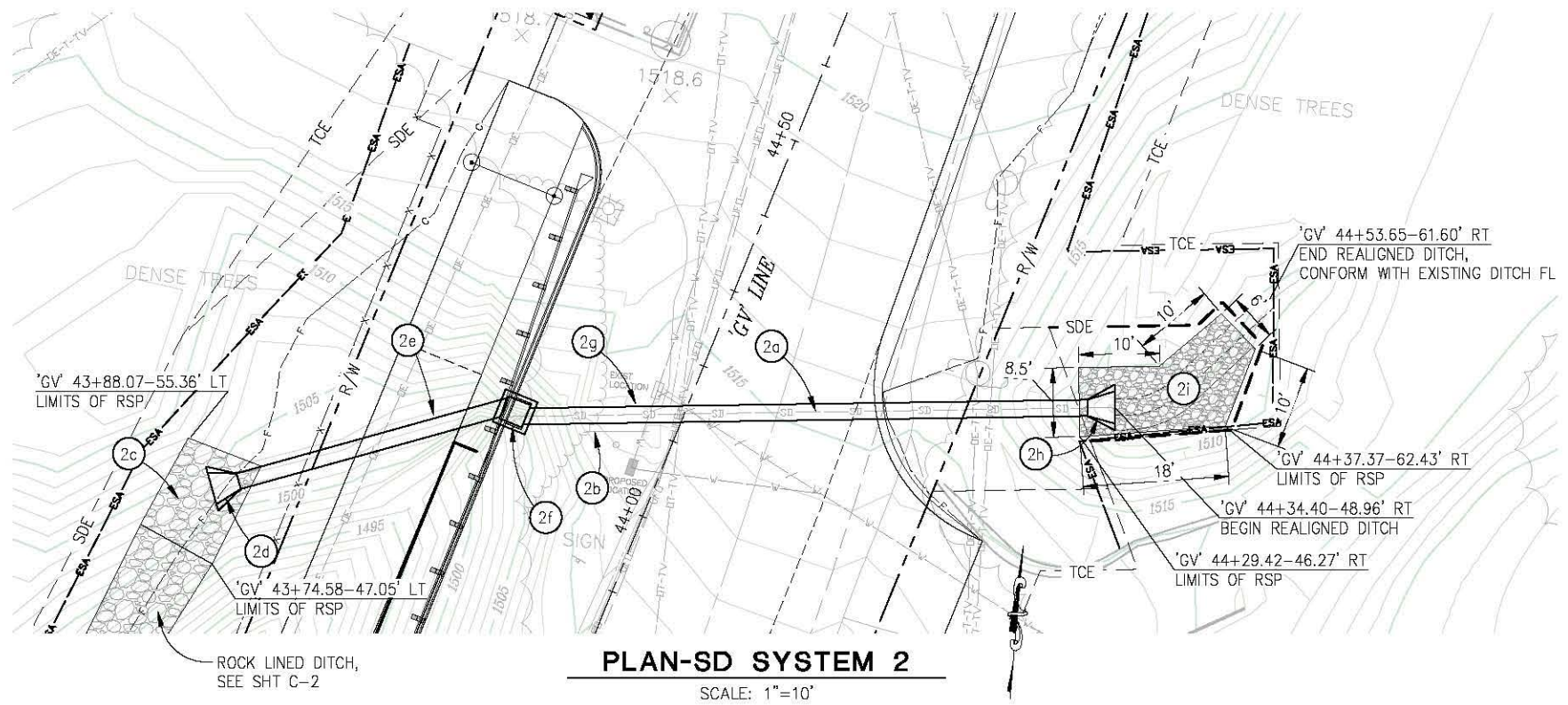
PREPARED UNDER THE SUPERVISION OF:

REGISTERED CIVIL ENGINEER
DATE: 09/19/14

DESIGNED: CG
CHECKED: CG
ROAD NUMBER: 002

EL DORADO COUNTY
CALIFORNIA

ORIGINAL SCALE IS IN INCHES
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FOR REDUCED PLANS
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NOTES:
1. CONTRACTOR SHALL POSITIVELY DETERMINE ALL HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES SHOWN IN THE CONTRACT PLANS

THIS PLAN ACCURATE FOR DRAINAGE WORK ONLY

DRAINAGE LAYOUT
SCALE : AS SHOWN

REVISION	DESIGNED: CG			DRAWN: SGM		
	CHECKED: CG			DATE: 06/13/14		
ROAD NUMBER: 002			DATE: 09/19/14			
NUMBER			DATE			
DESCRIPTION			BY			

PREPARED UNDER THE SUPERVISION OF:

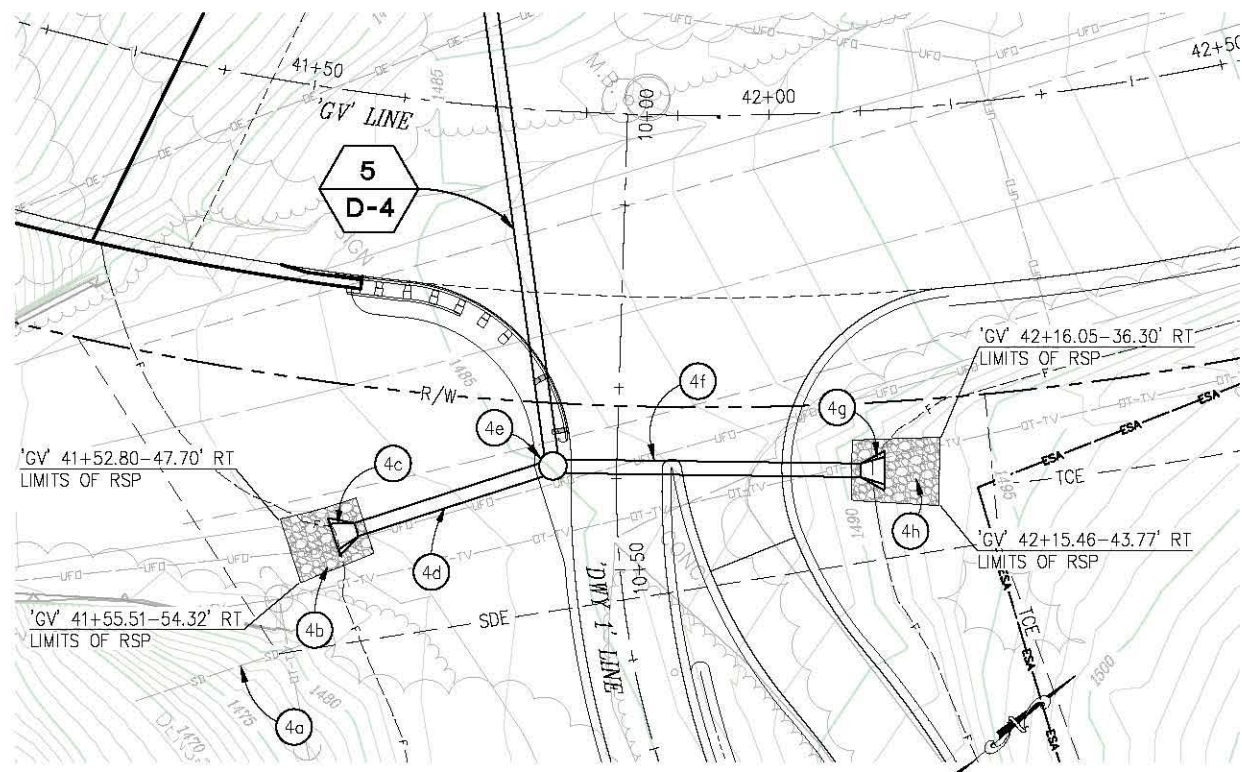
REGISTERED CIVIL ENGINEER
DATE: 09/19/14

COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION

GREEN VALLEY RD AT WEBER CREEK
BRIDGE REPLACEMENT

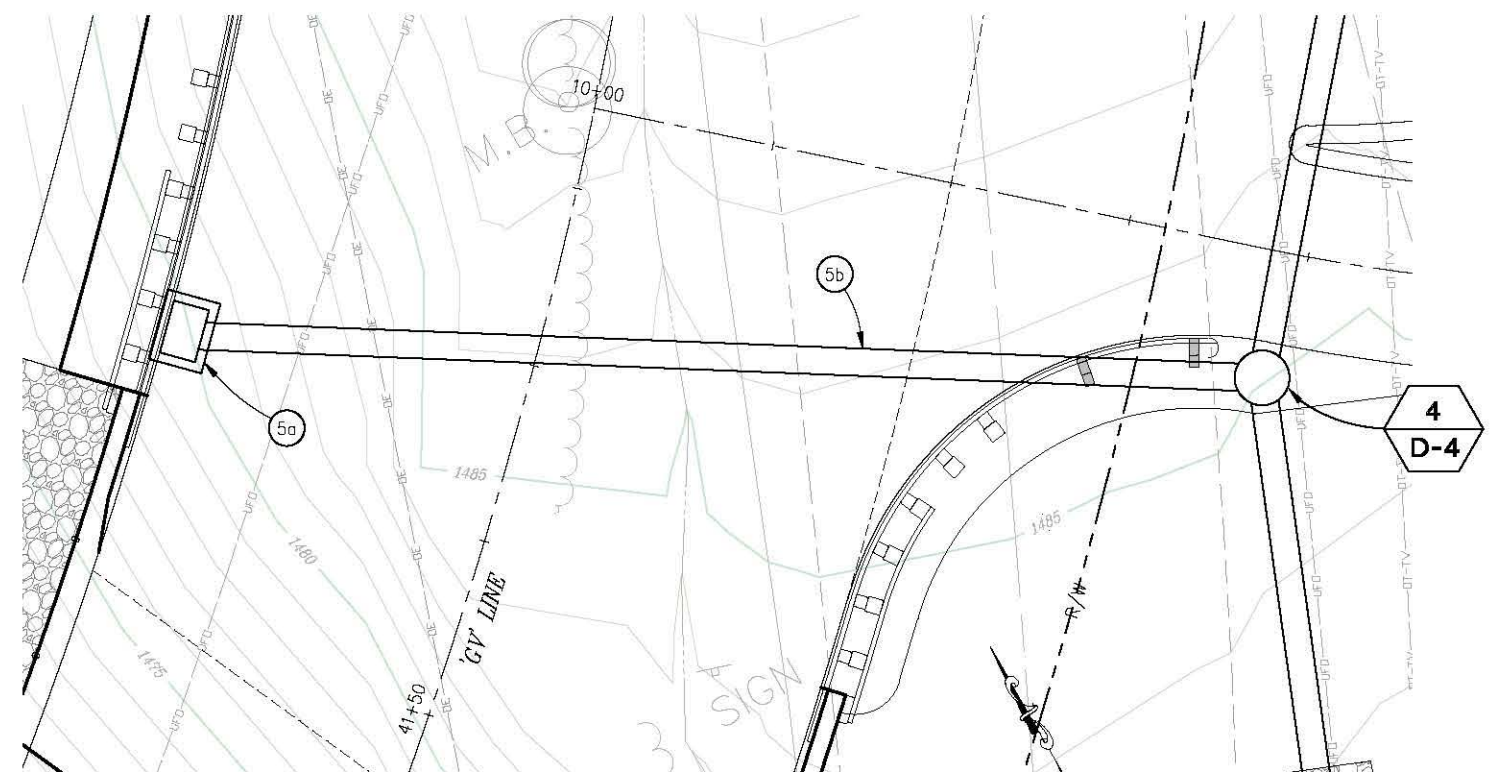
SHEET
D-3
17 OF 78
W.O. No. 77114

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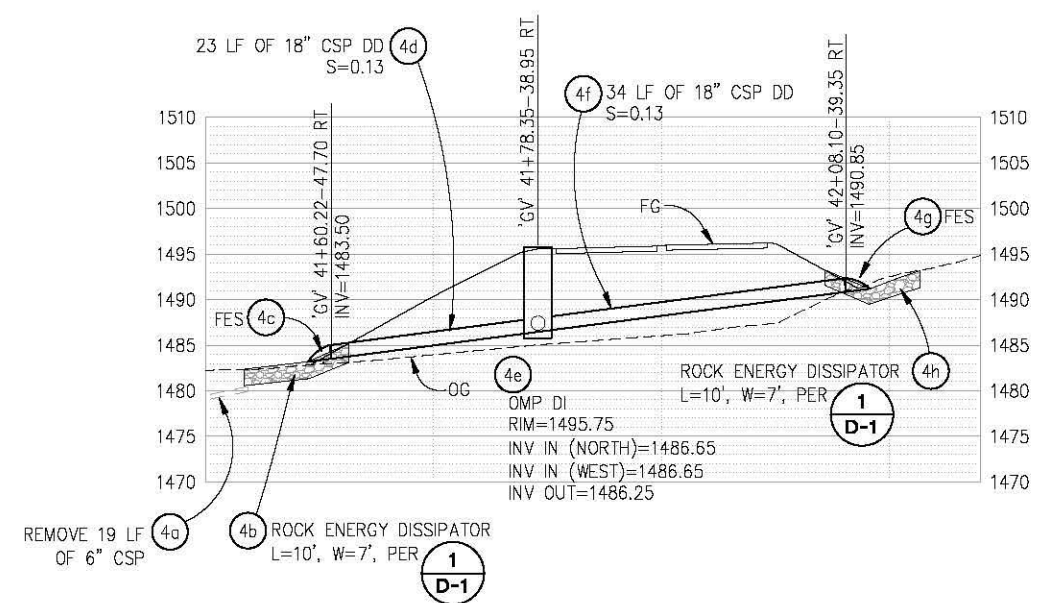
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SCALE: 1"=10'



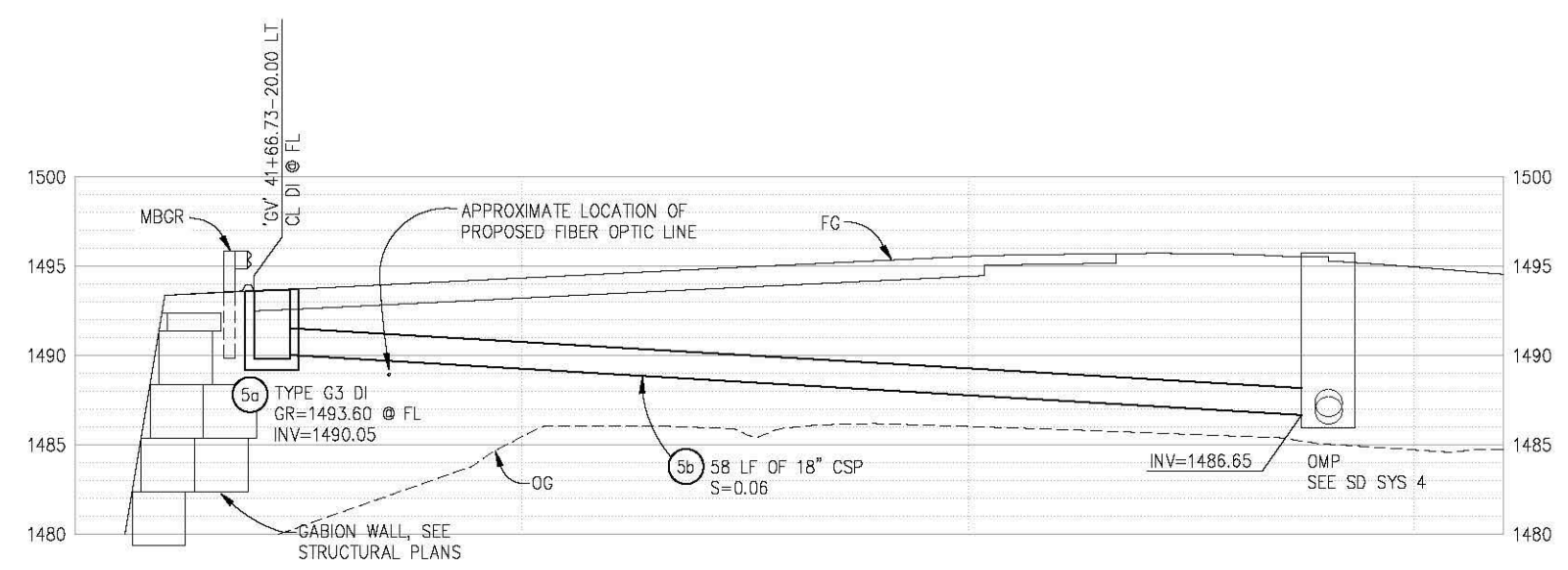
PLAN-SD SYSTEM 5

SCALE: 1"=5'



PROFILE-SD SYSTEM 4

SCALE: 1"=10' H,V



PROFILE-SD SYSTEM 5

SCALE: 1"=5' H,V

NOTES:
1. CONTRACTOR SHALL POSITIVELY DETERMINE ALL HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES SHOWN IN THE CONTRACT PLANS

THIS PLAN ACCURATE FOR DRAINAGE WORK ONLY

DRAINAGE LAYOUT
SCALE : AS SHOWN

REVISION	DESIGNED: CG			DRAWN: SGM			COUNTY OF EL DORADO COMMUNITY DEVELOPMENT AGENCY TRANSPORTATION DIVISION	GREEN VALLEY RD AT WEBER CREEK BRIDGE REPLACEMENT	SHEET D-4 18 OF 78 W.O. No. 77114		
	CHECKED: CG			DATE: 06/13/14							
NUMBER			DATE			DESCRIPTION			BY		

REGISTERED PROFESSIONAL ENGINEER
JUSTIN W. HARRINGTON
No. C71517
License Expires 12-31-15
STATE OF CALIFORNIA

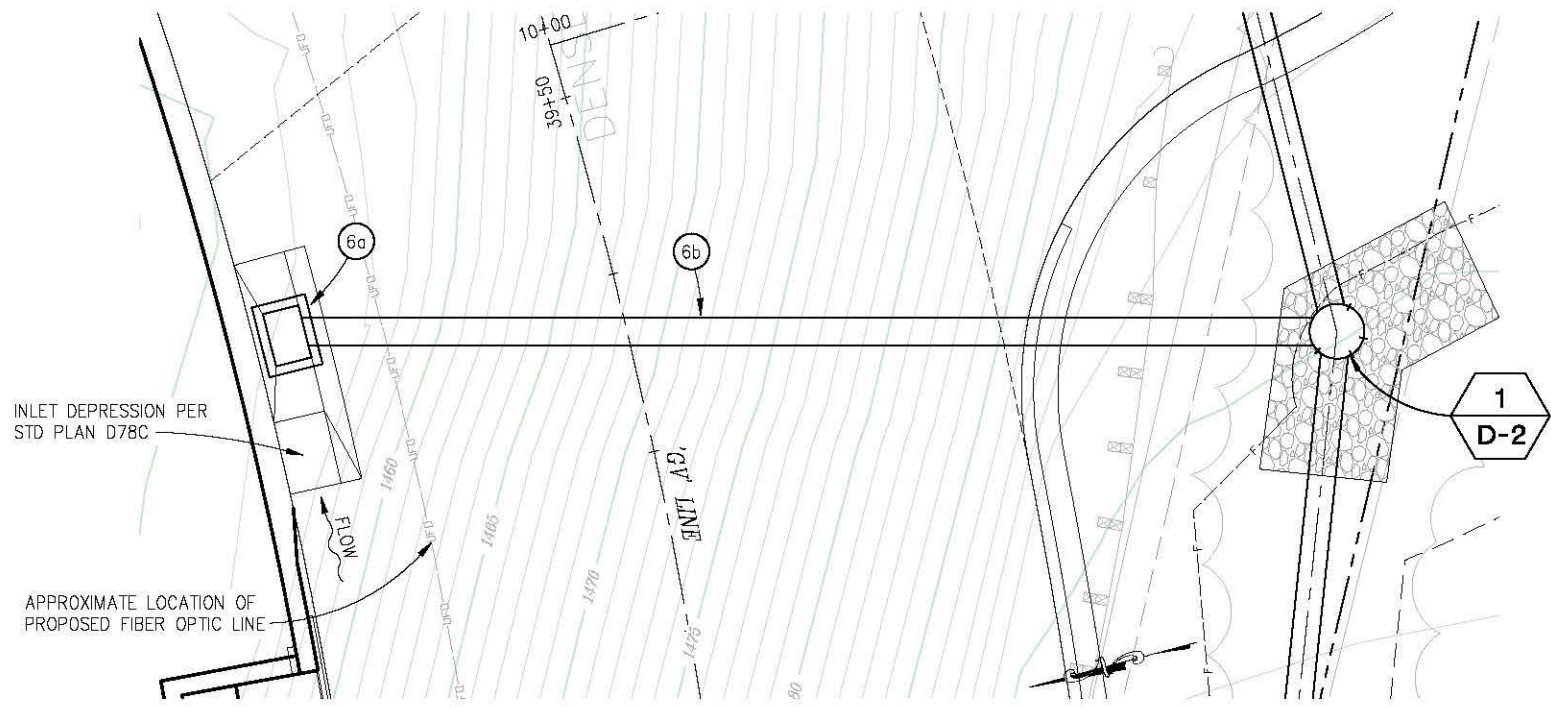
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REGISTERED CIVIL ENGINEER
DATE: 09/19/14

ROAD NUMBER: 002

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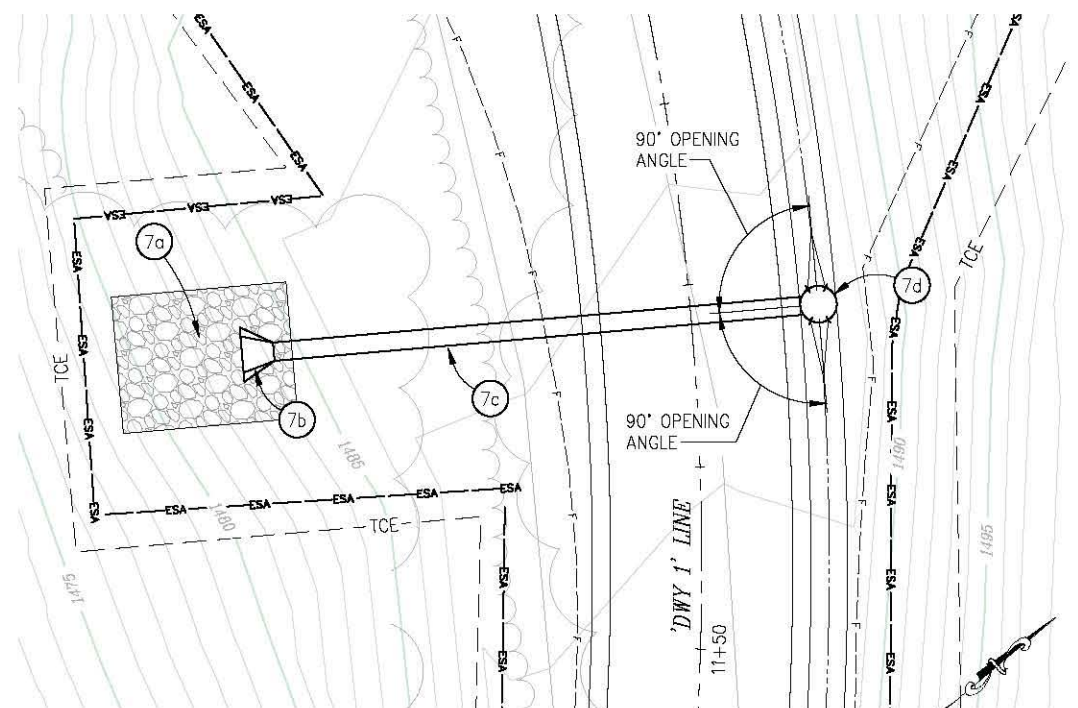
FOR REDUCED PLANS

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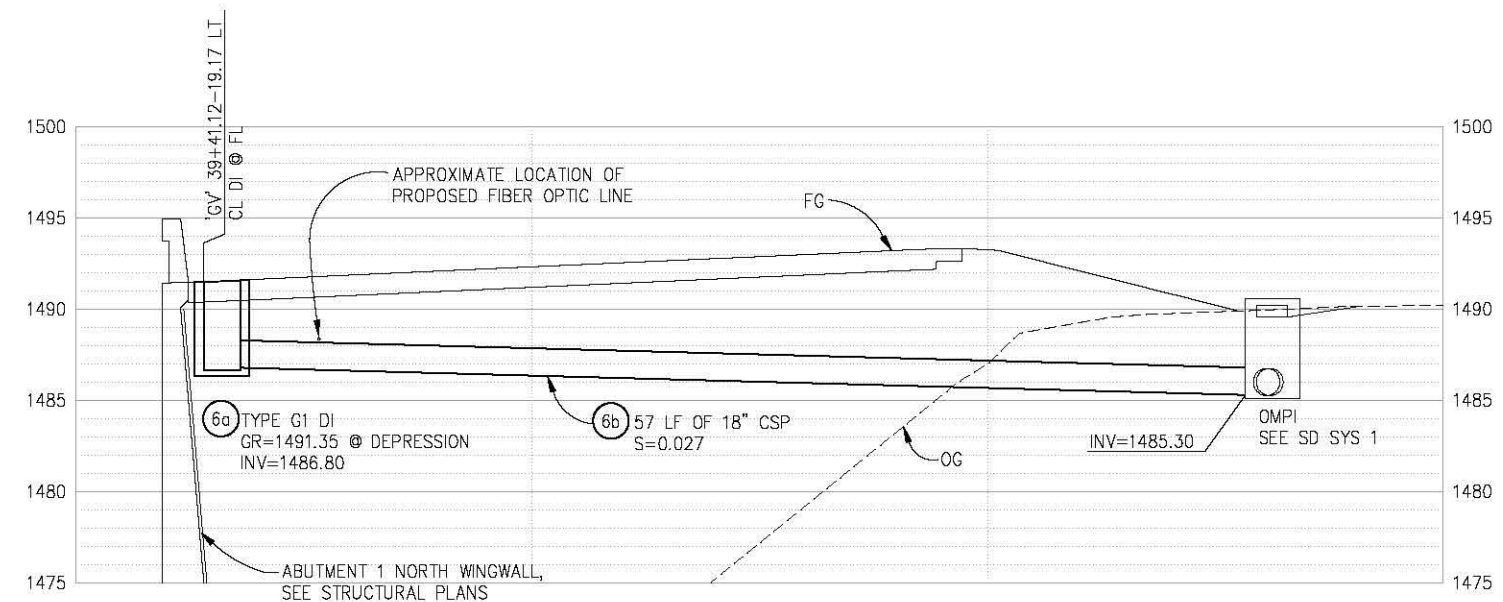
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SCALE: 1"=5'



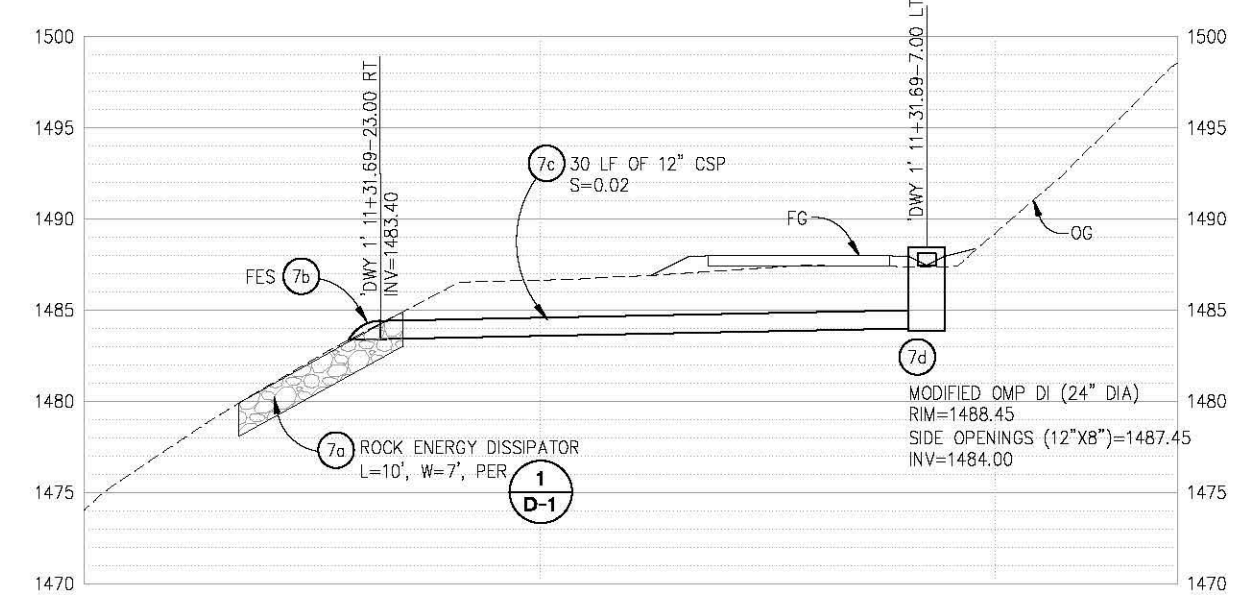
PLAN-SD SYSTEM 7

SCALE: 1"=5'



PROFILE-SD SYSTEM 6

SCALE: 1"=5' H,V



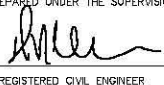
PROFILE-SD SYSTEM 7

SCALE: 1"=5' H,V

- NOTES:**
- 1. CONTRACTOR SHALL POSITIVELY DETERMINE ALL HORIZONTAL AND VERTICAL LOCATIONS OF ALL UTILITIES SHOWN IN THE CONTRACT PLANS

THIS PLAN ACCURATE FOR DRAINAGE WORK ONLY

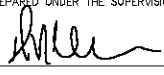
**DRAINAGE LAYOUT
SCALE : AS SHOWN**

REVISION					PREPARED UNDER THE SUPERVISION OF:  REGISTERED CIVIL ENGINEER	DESIGNED: CG	DRAWN: SGM		COUNTY OF EL DORADO COMMUNITY DEVELOPMENT AGENCY TRANSPORTATION DIVISION	GREEN VALLEY RD AT WEBER CREEK BRIDGE REPLACEMENT	SHEET D-5 19 OF 78 W.O. No. 77114
						CHECKED: CG	DATE: 06/13/14				
					DATE: 09/19/14						

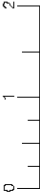
DRAINAGE PLAN SHEET NO.	DRAINAGE SYSTEM NO.	DRAINAGE UNIT	36" OCPI INLET	36" OMPI INLET	36" OMP INLET	TYPE G4 INLET	H INLET DEPTH [N]	18" CSP	24" CSP	18" FES (STEEL)	24" FES (STEEL)	RSP (FACING METHOD B)	RSP FABRIC (CLASS 8)	MINOR CONCRETE (BACKFILL)	REMOVE 6" CSP	REMOVE 8" CSP	REMOVE 10" CSP	REMOVE 16" CSP	DESCRIPTION	STATION	DRAINAGE UNIT	DRAINAGE SYSTEM NO.	DRAINAGE PLAN SHEET NO.	
D-2	1		EA	EA	EA	EA	FT	FT	FT	EA	EA	CF	SY	CY	FT	FT	FT	FT					1	D-2
		a										117	15					30				a		
		b																		TYPE 36R GRATED COVER	'GV' 38+10.00-24.00 RT	b		
		c	1				6.05													S=0.055		c		
		d						130.0												TYPE 36R GRATED COVER	'L' 10+33.40-28.00 RT	d		
		e		1			5.25															e		
		f										202	33							S=0.07		f		
		g						50.0														g		
		h								1											'L' 10+47.20-19.55 LT	h		
D-3	2	a																75				a	2	D-3
		b														16						b		
		c										234	24									c		
		d									1										'GV' 43+85.25-47.85 LT	d		
		e							35.0											S=0.04		e		
		f				1	9.8			70.0										BICYCLE PROOF GRATE	'GV' 44+06.00-20.00 LT	f		
		g												12.5						S=0.04		g		
		h									1										'GV' 44+33.05-45.80 RT	h		
		i										370	36									i		
D-3	3	a										202	22					30.5				a	3	D-3
		b																				b		
		c		1			3.5													TYPE 36R GRATED COVER	'L' 11+73.40-16.20 RT	c		
		d						55.0												S=0.05		d		
		e								1											'L' 11+77.10-38.60 LT	e		
		f										297	29									f		
D-4	4	a										107	13		19							a	4	D-4
		b																				b		
		c								1											'GV' 41+60.22-47.70 RT	c		
		d						23.0												S=0.13		d		
		e			1		9.8													1/4" CHECKERED PLATE COVER	'GV' 41+78.35-38.95 RT	e		
		f						34.0												S=0.13		f		
		g								1											'GV' 42+08.10-39.35 RT	g		
		h										135	16									h		
TOTAL			1	2	1	1		292	105	4	2	1866	210	12.5	19	16	60.5	75						

- NOTES:
1. CONTRACTOR SHALL POTHOLE TO VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION OF STORM DRAINAGE SYSTEMS.
2. [N] NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

DRAINAGE QUANTITIES

REVISION						PREPARED UNDER THE SUPERVISION OF :  REGISTERED CIVIL ENGINEER DATE: 09/19/14	DESIGNED: CG	DRAWN: SGM		COUNTY OF EL DORADO COMMUNITY DEVELOPMENT AGENCY TRANSPORTATION DIVISION	GREEN VALLEY RD AT WEBER CREEK BRIDGE REPLACEMENT	SHEET D-6
								20 OF 78				
	NUMBER	DATE	DESCRIPTION	BY			ROAD NUMBER: 002	W.O. No. 77114				

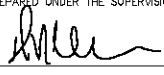
FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
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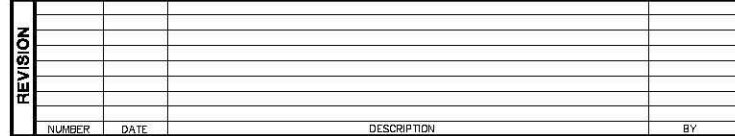


DRAINAGE PLAN SHEET NO.	DRAINAGE SYSTEM NO.	DRAINAGE UNIT	TYPE G1 INLET	TYPE G3 INLET	OMP INLET (MODIFIED 24")	H INLET DEPTH [N]	12" CSP	18" CSP	RSP (FACING METHOD B)	RSP FABRIC (CLASS 8)	12" FES (STEEL)	DESCRIPTION	STATION	DRAINAGE UNIT	DRAINAGE SYSTEM NO.	DRAINAGE PLAN SHEET NO.
D-4	5		EA	EA	EA	FT	FT	FT	CF	SY	EA	BICYCLE PROOF GRATE S=0.06	'GV' 41+66.73-20.00 LT		5	D-4
D-5	6		1			4.55		57				BICYCLE PROOF GRATE S=0.027	'GV' 39+41.12-19.17 LT		6	D-5
D-5	7						30		120	14	1	S=0.02	'DWY 1' 11+31.69-23.00 RT		7	D-5
					1	4.45						24" DIA CSP W/ 2 EA (12"x8") OPENINGS 1/4" CHECKERED PLATE COVER	'DWY 1' 11+31.69-7.00 LT			
TOTAL			1	1	1		30	115	120	14	1					

- NOTES:
- 1. CONTRACTOR SHALL POTHOLE TO VERIFY HORIZONTAL AND VERTICAL LOCATION OF ALL UTILITIES PRIOR TO CONSTRUCTION OF STORM DRAINAGE SYSTEMS.
 - 2. [N] NOT A SEPARATE PAY ITEM, FOR INFORMATION ONLY.

DRAINAGE QUANTITIES

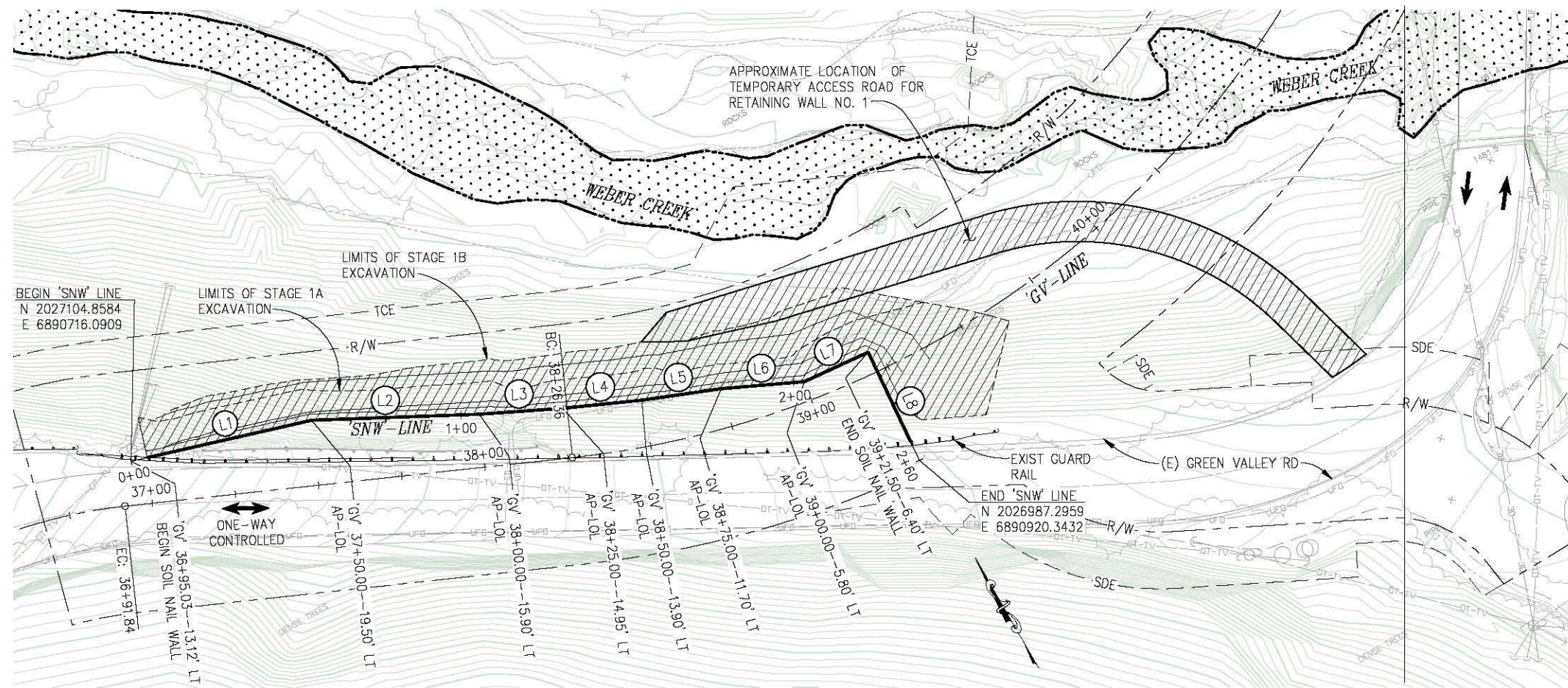
REVISION	NUMBER	DATE	DESCRIPTION	BY		PREPARED UNDER THE SUPERVISION OF:  REGISTERED CIVIL ENGINEER	DATE: 09/19/14	DESIGNED: CG	DRAWN: SGM		COUNTY OF EL DORADO COMMUNITY DEVELOPMENT AGENCY TRANSPORTATION DIVISION	GREEN VALLEY RD AT WEBER CREEK BRIDGE REPLACEMENT	SHEET D-7
													21 OF 78
													W.O. No. 77114



GREEN VALLEY RD AT WEBER CREEK
BRIDGE REPLACEMENT

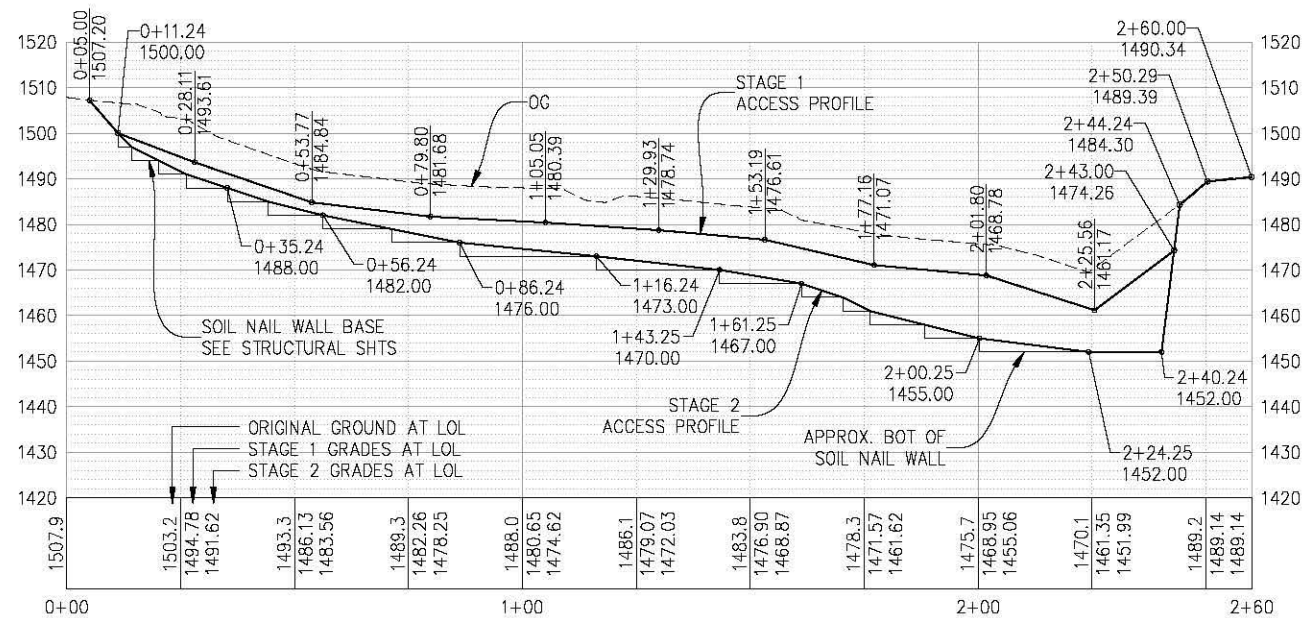
SHEET
U-1
22 OF 78
W.O. No. **77114**

- ① — WATER VALVE TO BE RAISED TO GRADE BY EID
(TBDBO) (DC)
- ② — BLOW-OFF VALVE TO BE RELOCATED BY EID
(TBDBO) (DC)



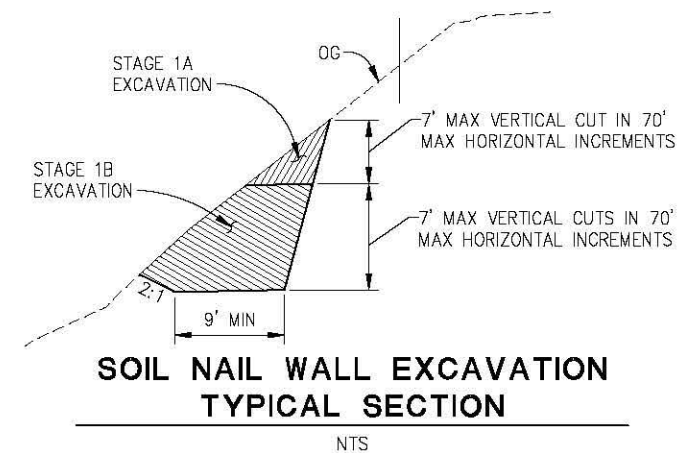
STAGE 1 CONSTRUCTION PLAN

SCALE: 1"=20'



'SNW' LINE-SOIL NAIL WALL EXCAVATION PROFILE

SCALE: 1"=20' H,V



SOIL NAIL WALL EXCAVATION TYPICAL SECTION

NT

LEGEND:

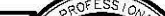
1. CONSTRUCT ACCESS ROAD FOR RETAINING WALL NO. 1.
2. EXCAVATE FOR, AND CONSTRUCT SOIL NAIL WALL.
3. TEMPORARY TRAFFIC CONTROL MAY BE NECESSARY DURING SOIL NAIL WALL EXCAVATION AND CONSTRUCTION WORK.

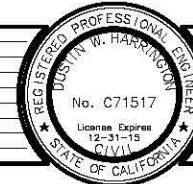
 — STAGE 1 CONSTRUCTION

➔ — DIRECTION OF TRAFFIC

THIS SHEET ACCURATE FOR STAGE CONSTRUCTION ONLY

STAGE CONSTRUCTION
SCALE : AS SHOWN

REVISION							PREPARED UNDER THE SUPERVISION OF :	 REGISTERED CIVIL ENGINEER	09/19/14 DATE:
	NUMBER	DATE	DESCRIPTION	BY					



PREPARED UNDER THE SUPERVISION OF :

REGISTERED CIVIL ENGINEER

09/19/14

DESIGNED: DWH	DRAWN: SGM
CHECKED: DWH	DATE: 06/13/14
ROAD NUMBER: 000	



COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION

GREEN VALLEY RD AT WEBER CREEK
BRIDGE REPLACEMENT

SHEET
SC-1
23 OF 78
W.O. No. **77114**

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ORIGINAL SCALE IS IN INCHES
Drawing name: C:\Civil 3D Projects\77114 Weber Cr at GVRD\CADD Files\Sheets\SC Sheets.dwg Layout Tab: SC-2 Sep 17 2014 - 8:46am SMCvey

GENERAL STAGE CONSTRUCTION NOTES:

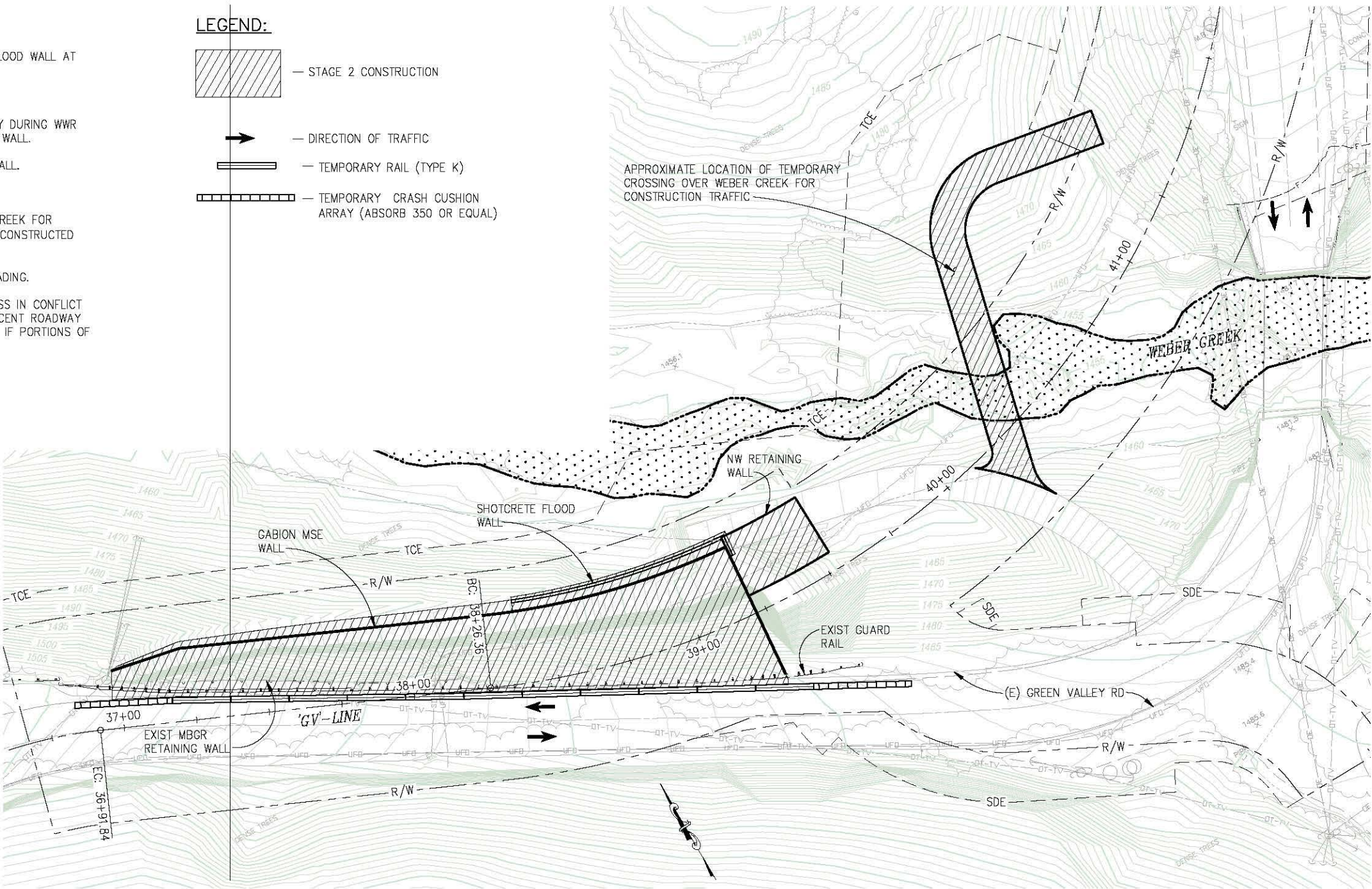
SEE SHEET SC-1 FOR GENERAL STAGE CONSTRUCTION NOTES

STAGE 2 CONSTRUCTION NOTES:

1. CONSTRUCT GABION MSE WALL AND SHOTCRETE FLOOD WALL AT RETAINING WALL NO. 1
2. BACKFILL AT RETAINING WALL NO. 1.
3. TEMPORARY TRAFFIC CONTROL MAY BE NECESSARY DURING WWR MAT PLACEMENT AT TOP LAYERS OF GABION MSE WALL.
4. EXCAVATE FOR, AND CONSTRUCT NW RETAINING WALL.
5. CONSTRUCT SD SYSTEM 6.
6. CONSTRUCT TEMPORARY CROSSING OVER WEBER CREEK FOR CONSTRUCTION TRAFFIC, (MAY BE ALTERNATIVELY CONSTRUCTED DURING STAGE 1).
7. CONTOURS SHOWN REPRESENT POST-STAGE 1 GRADING.
8. EXISTING MBGR RETAINING WALL TO REMAIN, UNLESS IN CONFLICT WITH RETAINING WALL NO. 1 CONSTRUCTION. ADJACENT ROADWAY SHALL BE ADEQUATELY SUPPORTED WITH SHORING IF PORTIONS OF EXISTING WALL ARE REMOVED.
9. INSTALL K-RAIL PRIOR TO GUARD RAIL REMOVAL.

LEGEND:

-  — STAGE 2 CONSTRUCTION
-  — DIRECTION OF TRAFFIC
-  — TEMPORARY RAIL (TYPE K)
-  — TEMPORARY CRASH CUSHION ARRAY (ABSORB 350 OR EQUAL)



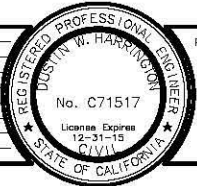
STAGE 2 CONSTRUCTION PLAN

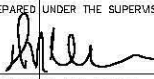
SCALE: 1"=20'

THIS SHEET ACCURATE FOR STAGE CONSTRUCTION ONLY

STAGE CONSTRUCTION
SCALE : AS SHOWN

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

REGISTERED CIVIL ENGINEER
DATE: 09/19/14

DESIGNED: DWH
DRAWN: SGM
CHECKED: DWH
DATE: 06/13/14
ROAD NUMBER: 002

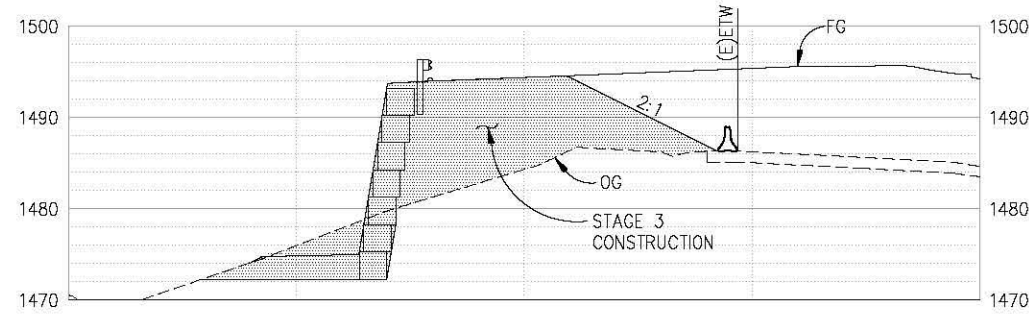


COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION

GREEN VALLEY RD AT WEBER CREEK
BRIDGE REPLACEMENT

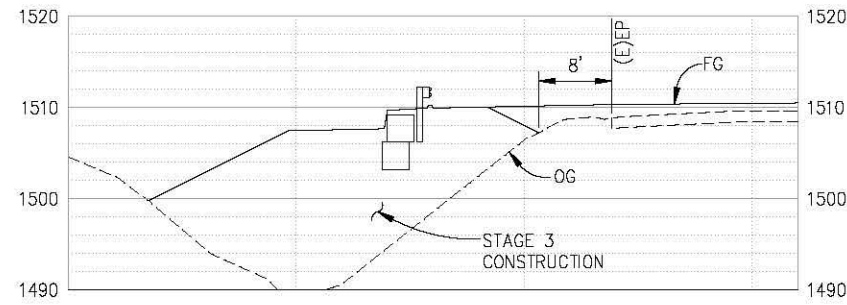
SHEET
SC-2
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W.D. No. 77114

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ORIGINAL SCALE IS IN INCHES
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STAGE 3 SECTION A-A

SCALE: 1"=10' H,V



STAGE 3 SECTION B-B

SCALE: 1"=10' H,V

GENERAL STAGE CONSTRUCTION NOTES:

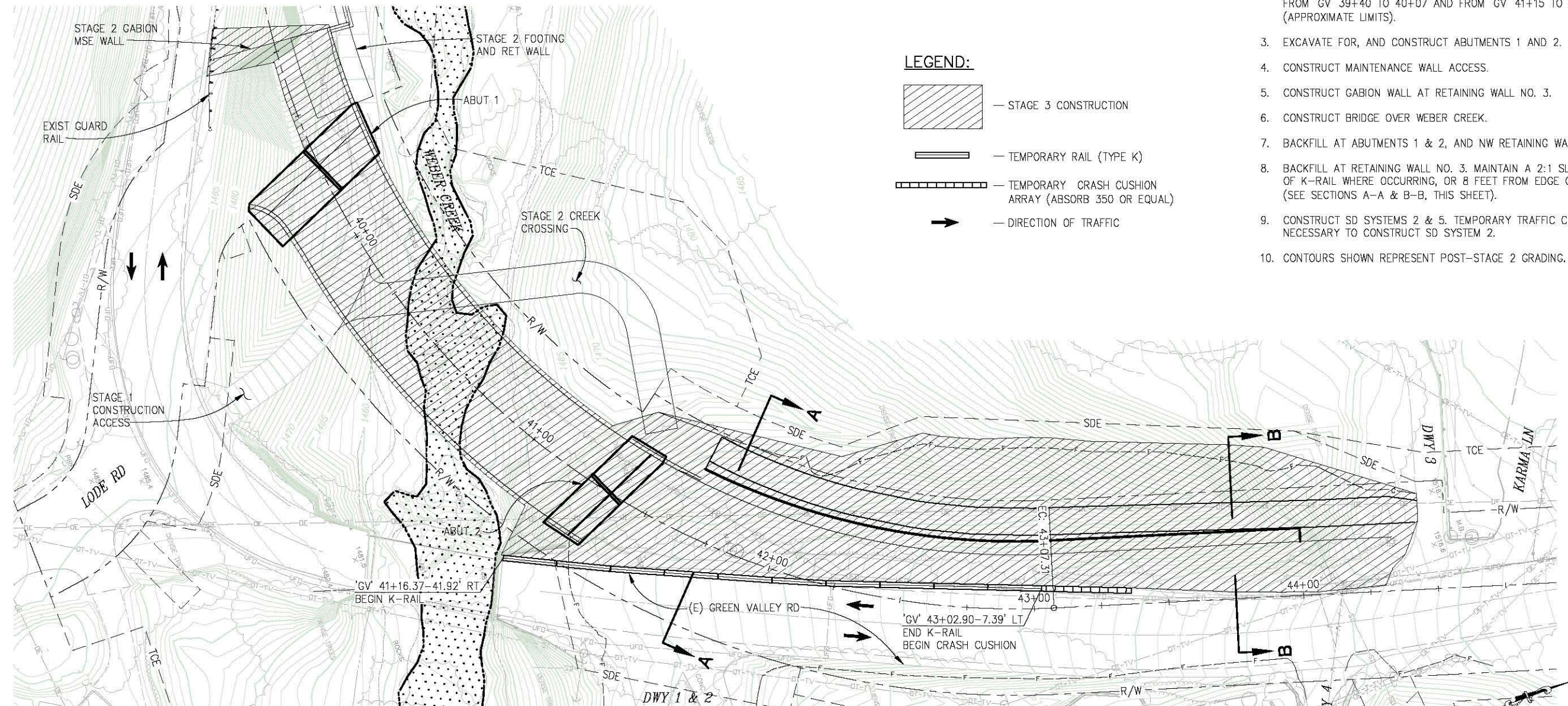
SEE SHEET SC-1 FOR GENERAL STAGE CONSTRUCTION NOTES

STAGE 3 CONSTRUCTION NOTES:

1. PLACE K-RAIL AS SHOWN.
2. TEMPORARY SHORING MAY BE NECESSARY TO RETAIN EXISTING ROADWAY FROM 'GV' 39+40 TO 40+07 AND FROM 'GV' 41+15 TO 41+50 (APPROXIMATE LIMITS).
3. EXCAVATE FOR, AND CONSTRUCT ABUTMENTS 1 AND 2.
4. CONSTRUCT MAINTENANCE WALL ACCESS.
5. CONSTRUCT GABION WALL AT RETAINING WALL NO. 3.
6. CONSTRUCT BRIDGE OVER WEBER CREEK.
7. BACKFILL AT ABUTMENTS 1 & 2, AND NW RETAINING WALL.
8. BACKFILL AT RETAINING WALL NO. 3. MAINTAIN A 2:1 SLOPE FROM BACK OF K-RAIL WHERE OCCURRING, OR 8 FEET FROM EDGE OF EXISTING EP. (SEE SECTIONS A-A & B-B, THIS SHEET).
9. CONSTRUCT SD SYSTEMS 2 & 5. TEMPORARY TRAFFIC CONTROL WILL BE NECESSARY TO CONSTRUCT SD SYSTEM 2.
10. CONTOURS SHOWN REPRESENT POST-STAGE 2 GRADING.

LEGEND:

- STAGE 3 CONSTRUCTION
- TEMPORARY RAIL (TYPE K)
- TEMPORARY CRASH CUSHION ARRAY (ABSORB 350 OR EQUAL)
- DIRECTION OF TRAFFIC



STAGE 3 CONSTRUCTION PLAN

SCALE: 1"=20'

THIS SHEET ACCURATE FOR STAGE CONSTRUCTION ONLY

**STAGE CONSTRUCTION
SCALE : AS SHOWN**

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

REGISTERED CIVIL ENGINEER
DATE: 09/19/14

DESIGNED: DWH
DRAWN: SGM
CHECKED: DWH
DATE: 06/13/14
ROAD NUMBER: 002



**COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION**

**GREEN VALLEY RD AT WEBER CREEK
BRIDGE REPLACEMENT**

SHEET
SC-3
25 OF 78
W.O. No. **77114**

GENERAL STAGE CONSTRUCTION NOTES:

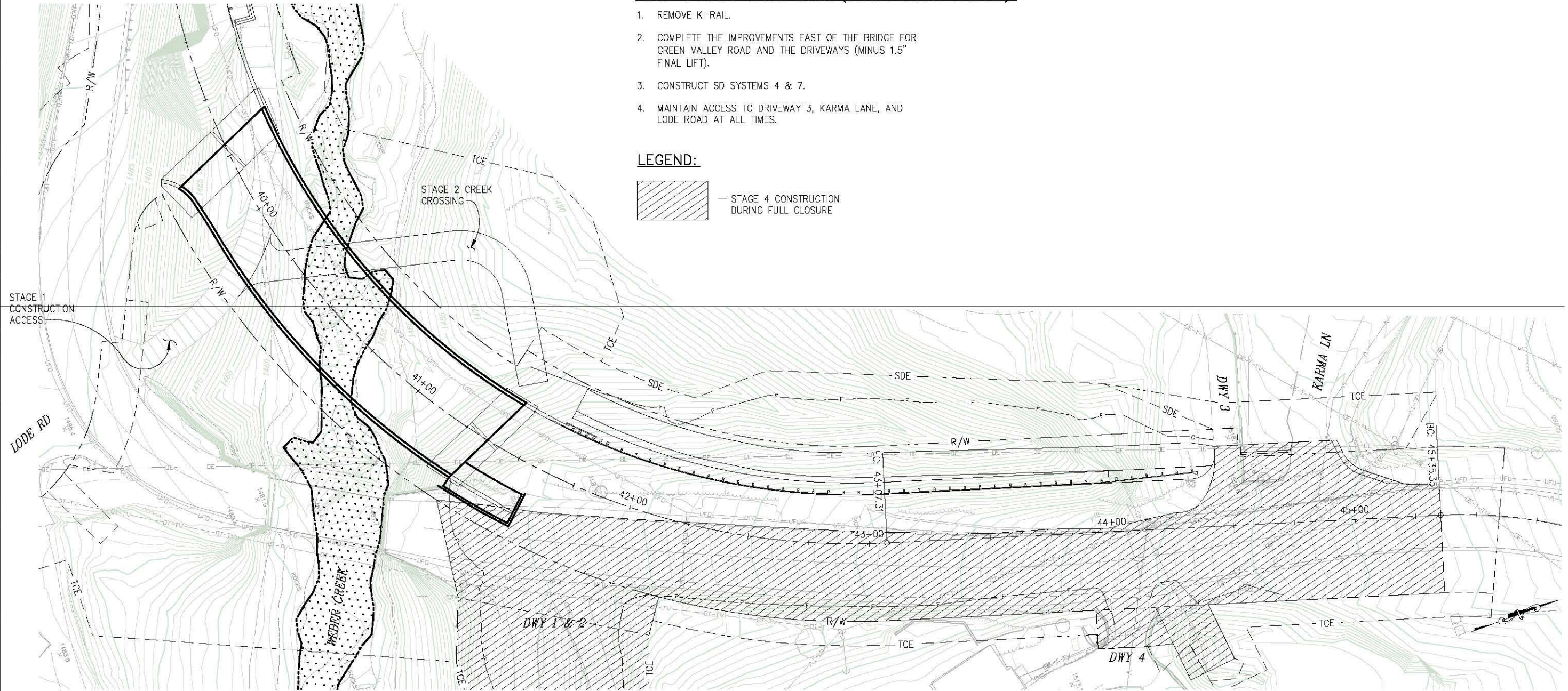
SEE SHEET SC-1 FOR GENERAL STAGE CONSTRUCTION NOTES

STAGE 4 CONSTRUCTION NOTES (DURING CLOSURE PERIOD):

1. REMOVE K-RAIL.
2. COMPLETE THE IMPROVEMENTS EAST OF THE BRIDGE FOR GREEN VALLEY ROAD AND THE DRIVEWAYS (MINUS 1.5" FINAL LIFT).
3. CONSTRUCT SD SYSTEMS 4 & 7.
4. MAINTAIN ACCESS TO DRIVEWAY 3, KARMA LANE, AND LODGE ROAD AT ALL TIMES.

LEGEND:

 — STAGE 4 CONSTRUCTION DURING FULL CLOSURE



STAGE 4 CONSTRUCTION PLAN

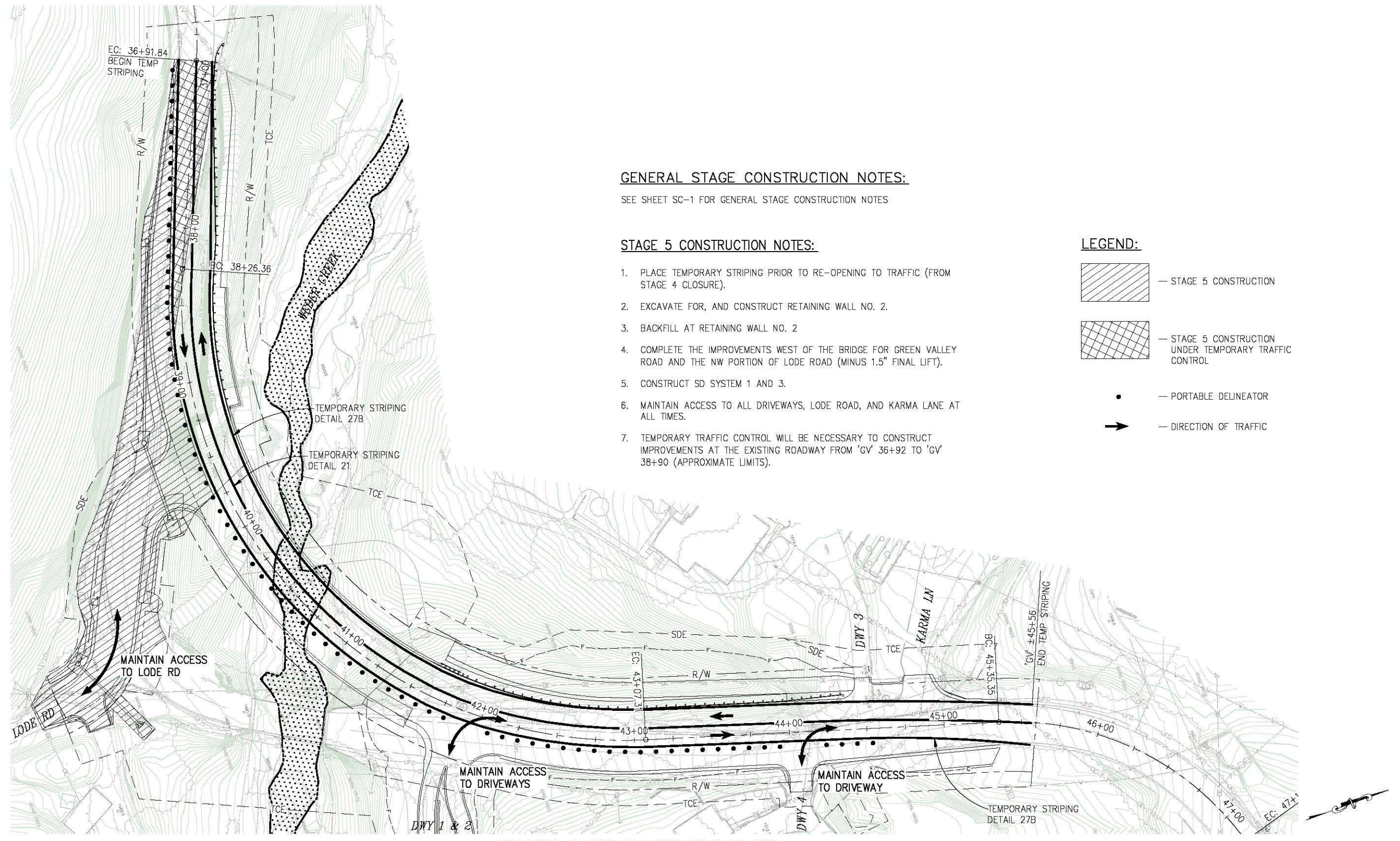
SCALE: 1" = 20'

THIS SHEET ACCURATE FOR STAGE CONSTRUCTION ONLY

STAGE CONSTRUCTION
SCALE : 1" = 40'

REVISION				DESIGNED: DWH		DRAWN: SGM		CHECKED: DWH		DATE: 06/13/14		ROAD NUMBER: 002		COUNTY OF EL DORADO COMMUNITY DEVELOPMENT AGENCY TRANSPORTATION DIVISION		GREEN VALLEY RD AT WEBER CREEK BRIDGE REPLACEMENT		SHEET SC-4	
NUMBER	DATE	DESCRIPTION	BY	PREPARED UNDER THE SUPERVISION OF:		DATE: 09/19/14		REGISTERED CIVIL ENGINEER		DATE: 09/19/14		26 OF 78		W.O. No. 77114					

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
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GENERAL STAGE CONSTRUCTION NOTES:

SEE SHEET SC-1 FOR GENERAL STAGE CONSTRUCTION NOTES

STAGE 5 CONSTRUCTION NOTES:

1. PLACE TEMPORARY STRIPING PRIOR TO RE-OPENING TO TRAFFIC (FROM STAGE 4 CLOSURE).
2. EXCAVATE FOR, AND CONSTRUCT RETAINING WALL NO. 2.
3. BACKFILL AT RETAINING WALL NO. 2
4. COMPLETE THE IMPROVEMENTS WEST OF THE BRIDGE FOR GREEN VALLEY ROAD AND THE NW PORTION OF LODE ROAD (MINUS 1.5" FINAL LIFT).
5. CONSTRUCT SD SYSTEM 1 AND 3.
6. MAINTAIN ACCESS TO ALL DRIVEWAYS, LODE ROAD, AND KARMA LANE AT ALL TIMES.
7. TEMPORARY TRAFFIC CONTROL WILL BE NECESSARY TO CONSTRUCT IMPROVEMENTS AT THE EXISTING ROADWAY FROM 'GV' 36+92 TO 'GV' 38+90 (APPROXIMATE LIMITS).

LEGEND:

-  — STAGE 5 CONSTRUCTION
-  — STAGE 5 CONSTRUCTION UNDER TEMPORARY TRAFFIC CONTROL
-  — PORTABLE DELINEATOR
-  — DIRECTION OF TRAFFIC

STAGE 5 CONSTRUCTION PLAN

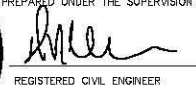
SCALE: 1"=30'

THIS SHEET ACCURATE FOR STAGE CONSTRUCTION ONLY

STAGE CONSTRUCTION SCALE : AS SHOWN

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

REGISTERED CIVIL ENGINEER
DATE: 09/19/14

DESIGNED: DWH	DRAWN: SGM
CHECKED: DWH	DATE: 06/13/14
ROAD NUMBER: 002	

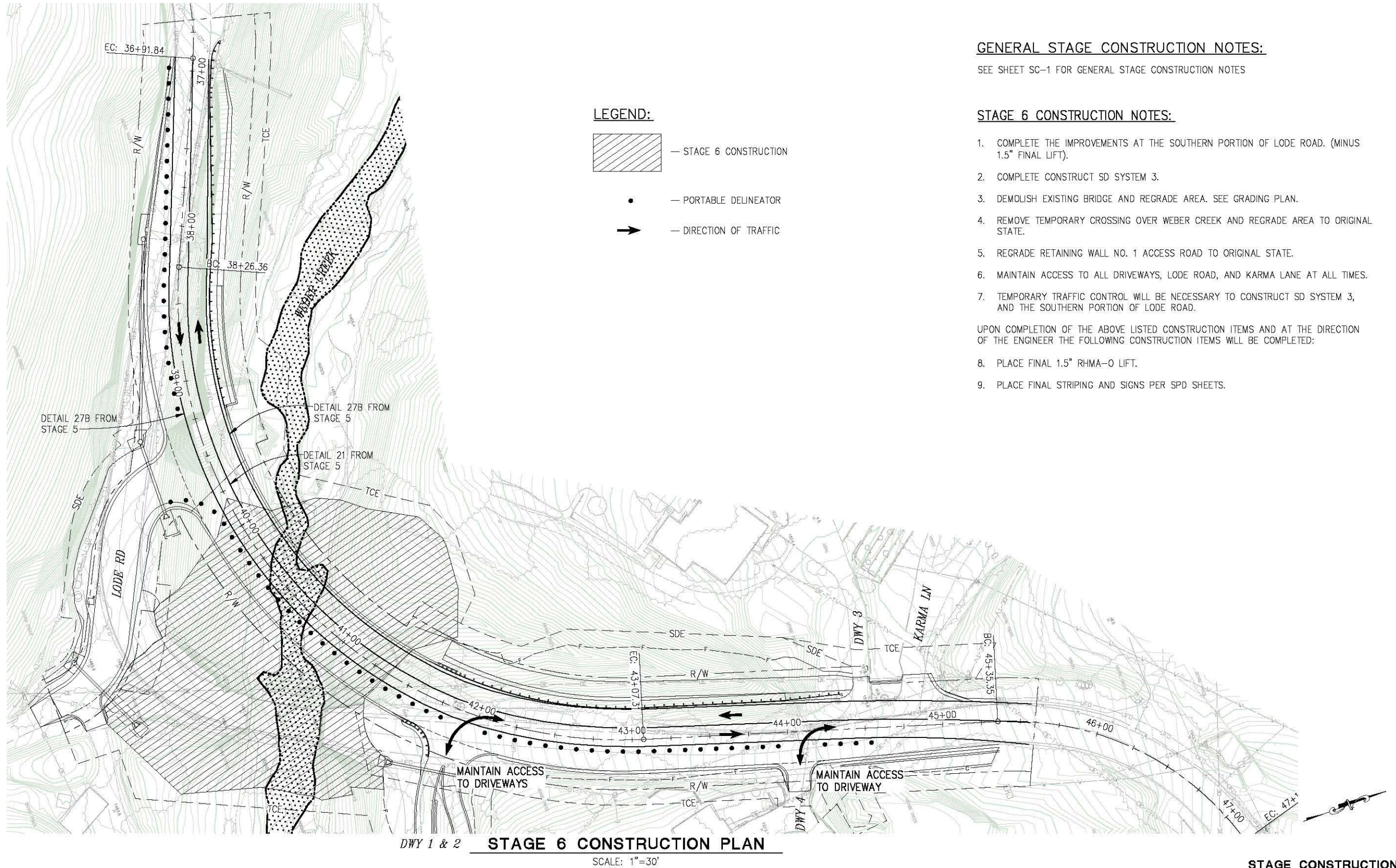


COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION

GREEN VALLEY RD AT WEBER CREEK
BRIDGE REPLACEMENT

SHEET
SC-5
27 OF 78
W.O. No. **77114**

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ORIGINAL SCALE IS IN INCHES
Drawing name: C:\Civil 3D Projects\77114 Weber Cr at GVRD\CADD Files\Sheets\SC Sheets.dwg Layout Tab: SC-6 Sep 17, 2014 - 8:59am SKMvey



THIS SHEET ACCURATE FOR STAGE CONSTRUCTION ONLY

STAGE CONSTRUCTION
SCALE : AS SHOWN

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
DATE: 09/19/14

DESIGNED: DWH
DRAWN: SGM
CHECKED: DWH
DATE: 06/13/14
ROAD NUMBER: 002

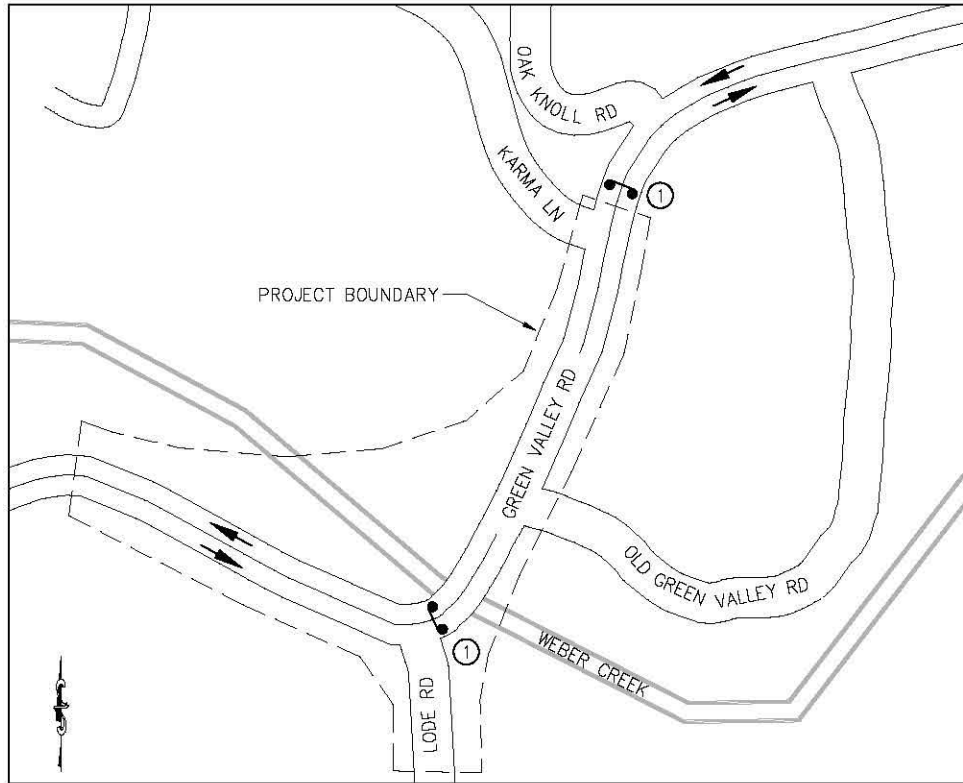


COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION

GREEN VALLEY RD AT WEBER CREEK
BRIDGE REPLACEMENT

SHEET
SC-6
28 OF 78
W.O. No. 77114

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
Drawing name: C:\Civil 3D Projects\77114 Weber Cr at GVRD\CADD Files\Sheets\DE Sheets.dwg Layout Tab: DE-1 Sep 17, 2014 - 9:07am Shvey



DETAIL "A"
NTS

PCMS No.	FIRST FLASH	SECOND FLASH	THIRD FLASH
A	WEBER CREEK BRIDGE CLOSED	(DATES CLOSED)	USE ALTERNATE ROUTE
1	WEBER CREEK BRIDGE CLOSED	USE MISSOURI FLAT RD	TO US 50
2	WEBER CREEK BRIDGE CLOSED	USE PLACERVILLE DR	TO US 50
3 4	WEBER CREEK BRIDGE CLOSED	LOCAL TRAFFIC ONLY	--

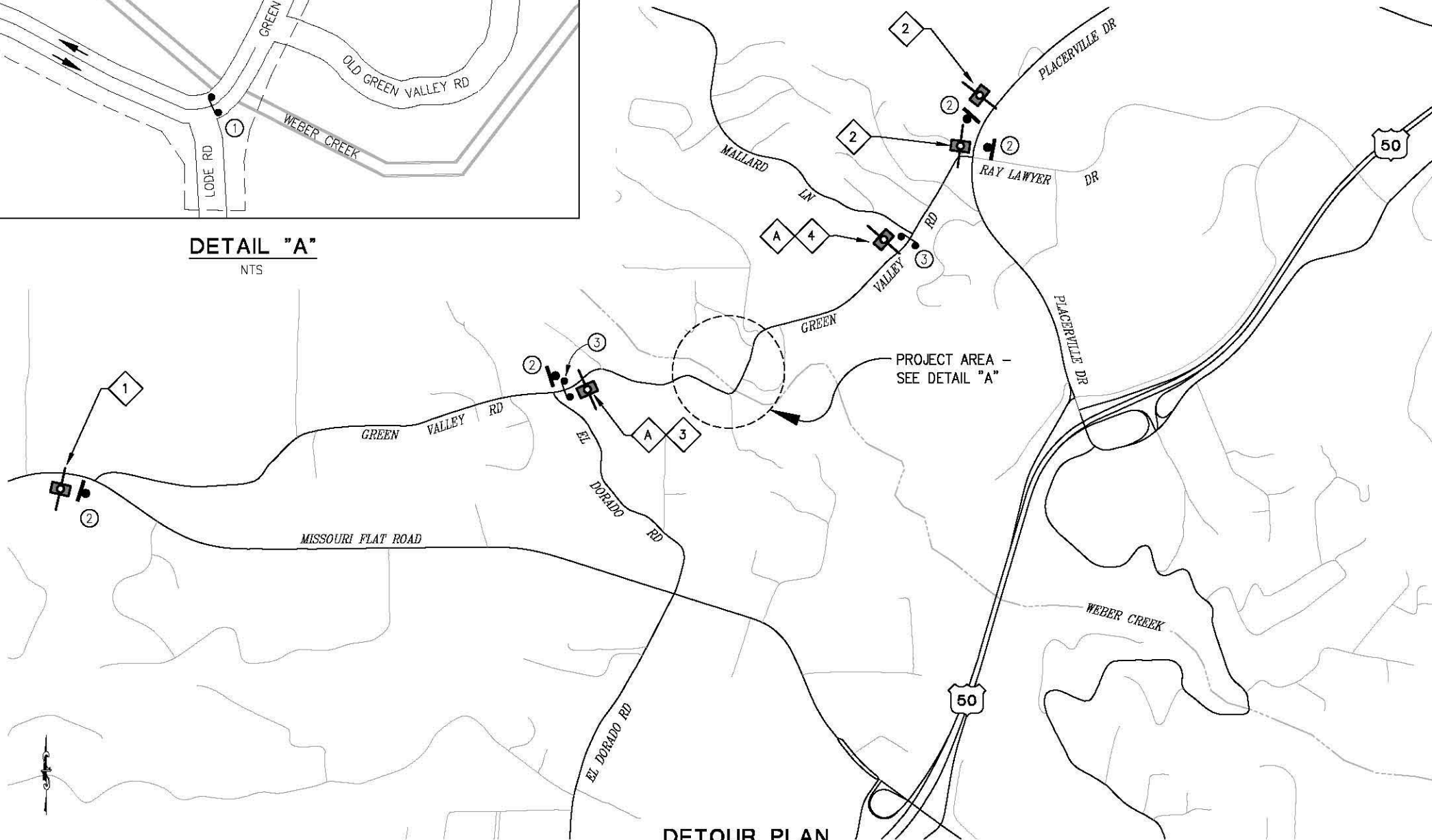
LEGEND

- DIRECTION OF TRAVEL
- PCMS - PORTABLE CHANGABLE MESSAGE SIGN
- ADVANCED PLACEMENT PCMS - TO BE POSTED SEVEN (7) DAYS PRIOR TO CLOSURE PERIOD
- PCMS No. (POSTED DURING CLOSURE PERIOD)
- TYPE III BARRICADE w/ FLASHING BEACON
- TEMPORARY SIGN

ADVANCED WARNING SIGNS TO BE PLACED PER CALIFORNIA MANUAL ON TRAFFIC CONTROL DEVICES. EXACT LOCATION OF SIGNS, BARRICADES AND RAILING TO BE DETERMINED BY THE ENGINEER.

SIGN LEGEND

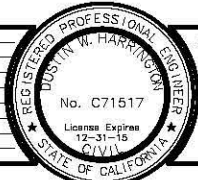
- 1 R11-2 "ROAD CLOSED"
- 2 M4-10 "DETOUR" (ARROW)
- 3 "ROAD CLOSED LOCAL TRAFFIC ONLY"



DETOUR PLAN
NTS

DETOUR PLAN
SCALE : AS SHOWN

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
DATE: 09/19/14

DESIGNED: DWH
CHECKED: DWH
DATE: 08/29/14
ROAD NUMBER: 002



COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION

GREEN VALLEY RD AT WEBER CREEK
BRIDGE REPLACEMENT

SHEET
DE-1
29 OF 78
W.O. No. 77114

CONSTRUCTION NOTES

1. THIS PLAN IS ACCURATE FOR FINAL SIGNING AND PAVEMENT DELINEATION ONLY. SEE "SC" SHEETS FOR STAGE CONSTRUCTION SIGNING AND STRIPING.

2. ALL STRIPING SHALL BE SPRAYED THERMOPLASTIC AND ALL PAVEMENT MARKINGS, CROSSWALKS, AND LIMIT LINES SHALL BE THERMOPLASTIC, UNLESS OTHERWISE NOTED.

3. ALL PAVEMENT MARKINGS AT INTERSECTIONS SHALL BE PLACED 8' BEHIND LIMIT LINE.

4. ALL PAVEMENT MARKINGS ARE PER CALTRANS STANDARD PLANS.

5. LOCATIONS OF SIGNS SHOWN ARE APPROXIMATE. EXACT LOCATION TO BE DETERMINED BY THE ENGINEER IN THE FIELD.

6. VERIFY HORIZONTAL AND VERTICAL LOCATION OF EXISTING UTILITIES PRIOR TO SIGN POST INSTALLATION.
7. ALL CONSTRUCTION AND PERMANENT SIGNS WILL HAVE 4" X 4" PRESSURE TREATED DOUGLAS FUR WOOD POSTS UNLESS OTHERWISE NOTED..

8. SIGNS SHALL BE LOCATED PER "SIGN LOCATION DETAIL", DETAIL 1, SHT SPD-1.

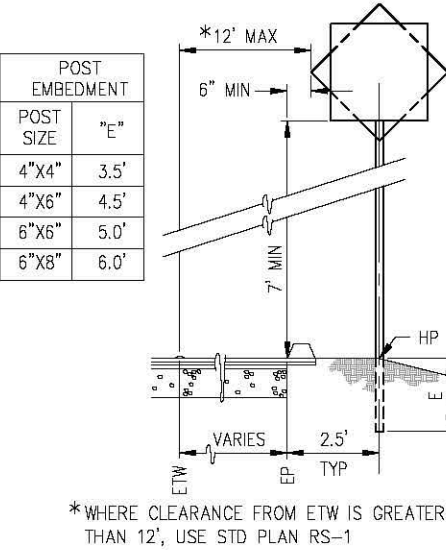
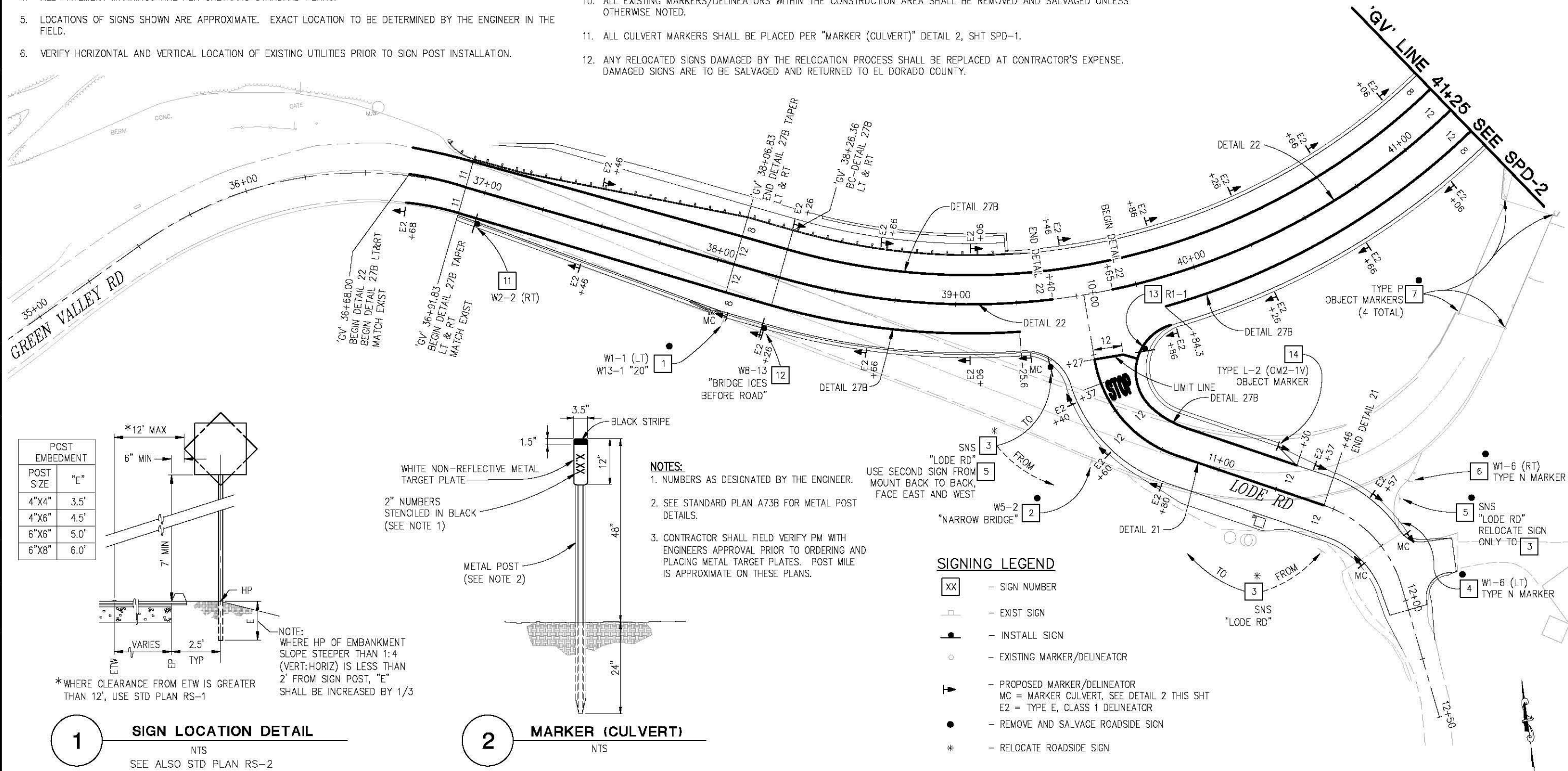
9. ALL PERMANENT SIGNS SHALL BE 12 GAUGE (0.078") ALUMINUM PANELS WITH HIGH INTENSITY PRISMATIC SHEETING (HIP), ASTM 4956 TYPE III,IV, OR X.

10. ALL EXISTING MARKERS/DELINEATORS WITHIN THE CONSTRUCTION AREA SHALL BE REMOVED AND SALVAGED UNLESS OTHERWISE NOTED.

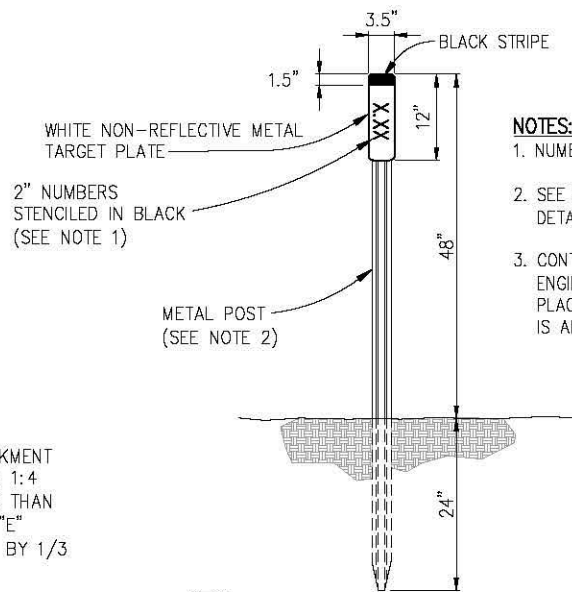
11. ALL CULVERT MARKERS SHALL BE PLACED PER "MARKER (CULVERT)" DETAIL 2, SHT SPD-1.

12. ANY RELOCATED SIGNS DAMAGED BY THE RELOCATION PROCESS SHALL BE REPLACED AT CONTRACTOR'S EXPENSE. DAMAGED SIGNS ARE TO BE SALVAGED AND RETURNED TO EL DORADO COUNTY.

ORIGINAL SCALE IS IN INCHES
Drawing name: C:\Civil 3D Projects\77114 Weber Cr at GVRD\CADD Files\SPD Sheets.dwg Layout Tab: SPD-1 Sep 17 2014 - 9:11am Sivey



1 SIGN LOCATION DETAIL
NTS
SEE ALSO STD PLAN RS-2



2 MARKER (CULVERT)
NTS

- NOTES:
- NUMBERS AS DESIGNATED BY THE ENGINEER.
 - SEE STANDARD PLAN A73B FOR METAL POST DETAILS.
 - CONTRACTOR SHALL FIELD VERIFY PM WITH ENGINEERS APPROVAL PRIOR TO ORDERING AND PLACING METAL TARGET PLATES. POST MILE IS APPROXIMATE ON THESE PLANS.

USE SECOND SIGN FROM MOUNT BACK TO BACK, FACE EAST AND WEST

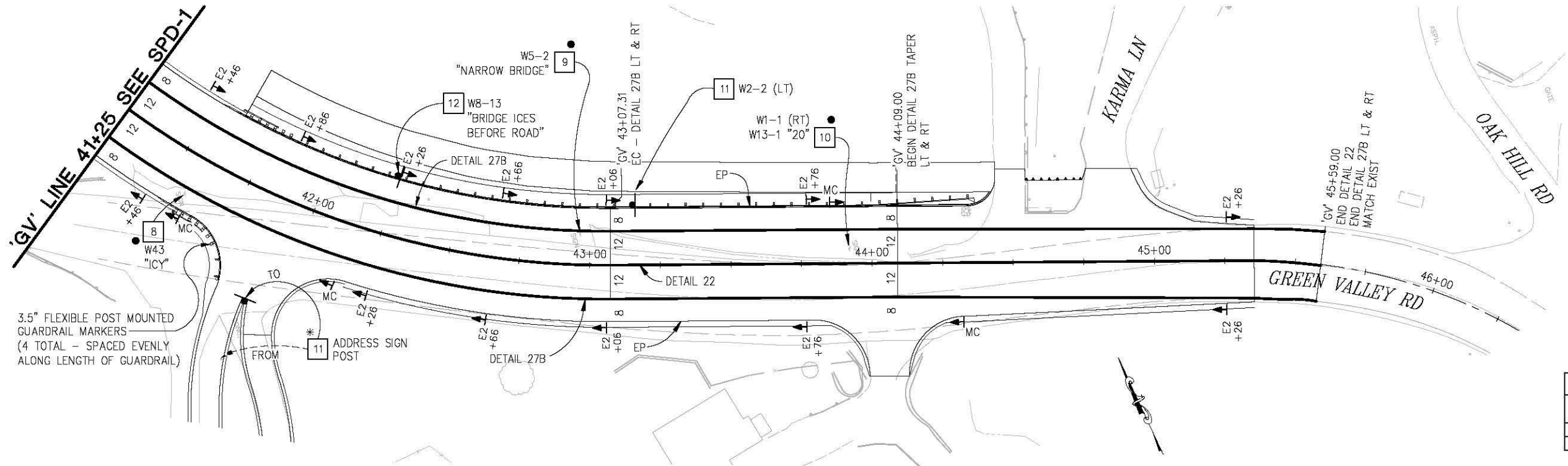
- SIGNING LEGEND
- XX - SIGN NUMBER
 - EXIST SIGN
 - INSTALL SIGN
 - EXISTING MARKER/DELINEATOR
 - PROPOSED MARKER/DELINEATOR
 - MC = MARKER CULVERT, SEE DETAIL 2 THIS SHT
 - E2 = TYPE E, CLASS 1 DELINEATOR
 - REMOVE AND SALVAGE ROADSIDE SIGN
 - * - RELOCATE ROADSIDE SIGN

THIS PLAN ACCURATE FOR SIGNING AND PAVEMENT DELINEATION WORK ONLY

SIGNING AND PAVEMENT DELINEATION
SCALE : 1" = 40'

REVISION	DESIGNED: DWH	DRAWN: SGM	COUNTY OF EL DORADO COMMUNITY DEVELOPMENT AGENCY TRANSPORTATION DIVISION	GREEN VALLEY RD AT WEBER CREEK BRIDGE REPLACEMENT	SHEET SPD-1 30 OF 78 W.O. No. 77114
	CHECKED: DWH	DATE: 06/13/14			
PREPARED UNDER THE SUPERVISION OF: DUSTIN W. HARRINGTON No. C71517 REGISTERED CIVIL ENGINEER DATE: 09/19/14					

ORIGINAL SCALE IS IN INCHES
Drawing name: C:\Civil 3D Projects\77114 Weber Cr at GVRD\CADD Files\Sheets\SPD Sheets.dwg Layout Tab: SPD-2 Sep 17, 2014 - 9:11am Survey
FOR REDUCED PLANS



GUARDRAIL MARKERS		
LOCATION	3.5"	
'GV' 41+57 TO 'GV' 41+80 RT	FLEXIBLE	4
TOTAL		4

SIGN QUANTITIES										
SIGN NO.	SIGN	CALIFORNIA MUTCD CODE	PANEL SIZE (INCHES)	SQUARE PERFORATED GALVANIZED STEEL TUBE (12 GA)	STEEL POST SIZE & LENGTH	WOOD POST SIZE & LENGTH	ROADSIDE SIGNS			REMARKS
				2" X 2"	3" X 2"	3.5" X 5.5"	ONE POST EA	RELOCATE EA	REMOVE EA	
1	ADVANCED WARNING CURVE AHEAD	W1-1							1	'GV' 38+09.20 RT
	'20 MPH'	W13-1							1	
2	ADVANCED WARNING 'NARROW BRIDGE'	W5-2							1	'GV' 39+46.55 RT
3	STREET NAME SIGN "LODE RD"							1		'L' 11+53.75 RT
4	ADVANCED WARNING DIRECTIONAL ARROW (LT)	W1-6							1	'L' 11+72.75 LT
	TYPE 'N' MARKER								1	
5	STREET NAME SIGN "LODE RD"							1		'L' 11+67.35 LT
6	ADVANCED WARNING DIRECTIONAL ARROW (RT)	W1-6							1	'L' 11+65.90 LT
	TYPE 'N' MARKER								1	
7	TYPE 'P' MARKER								4	EXISTING BRIDGE
8	ADVANCED WARNING 'ICY'								1	'GV' 41+96.95 RT
9	ADVANCED WARNING 'NARROW BRIDGE'	W5-2							1	'GV' 42+96.25 LT
10	ADVANCED WARNING CURVE AHEAD	W1-1							1	'GV' 43+91.95 LT
	'20 MPH'	W13-1							1	
11	ADVANCED WARNING 'T' INTERSECTION	W2-2	30 X 30			15	1			'GV' 37+00 RT
12	ADVANCED WARNING 'BRIDGE ICES BEFORE ROAD'	W8-13	30 X 30	14		15	1			'GV' 43+15 LT
13	STOP SIGN	R1-1	30 X 30	14			1			'GV' 38+26 RT
14	OBJECT MARKER	TYPE L-2 (OM2-1V)	6 X 12							'GV' 42+25 LT
										'L' 10+26 LT
										'L' 11+20 LT
										MOUNT ON END OF RETAINING WALL
TOTAL							5	2	15	

THERMOPLASTIC STRIPING & PAVEMENT MARKERS						
STANDARD PLAN NO.	FROM	TO	SPRAYABLE THERMOPLASTIC		PAVEMENT MARKER (RETROREFLECTIVE)	
			WHITE FT	YELLOW FT	TYPE D EA	TYPE G EA
DETAIL 22	'GV' 36+68	'GV' 39+40		272	24	
	'GV' 39+65	'GV' 45+59		594	50	
DETAIL 21	'L' 10+27	'GV' 11+46		119		
DETAIL 27B	'GV' 36+91.83 LT	'GV' 45+59.00 LT	848			
	'GV' 36+91.83 RT	'GV' 39+25.60 RT	238			
	'GV' 39+84.30 RT	'GV' 45+59.00 RT	589			
	'GV' 39+84.30 RT	'L' 11+30.00 LT	108			
SUBTOTAL			1,783	985	74	
TOTAL			2,768		74	

MARKER (CULVERT)					
NUMERAL ON TARGET ON PLATE	FACING TRAFFIC		FACING TRAFFIC		LOCATION
	EA		EA		
	E	W	S	N	
16.70		1			'GV' 38+10 RT
16.72		1			'GV' 39+29 RT
16.77		1			'GV' 41+60 RT
16.78		1			'GV' 42+14 RT
16.81	1				'GV' 43+85 LT
16.82		1			'GV' 44+32 RT
0.19			1		'L' 11+77 LT
0.19				1	'L' 11+77 RT
SUBTOTAL	1	5	1	1	
TOTAL	8				

PAVEMENT MARKING			
DESCRIPTION	THERMOPLASTIC FT2	STANDARD DRAWING	REMARKS
LIMIT LINE	18	A24E	18 @ 1 WDE
'STOP'	66	A24D	1 @ 22 FT2
TOTAL	84		

DELINEATORS	
LOCATION	TYPE E CLASS 2
'GV' 36+68 RT	1
'GV' 37+46 LT & RT	2
'GV' 38+26 LT & RT	2
'GV' 38+66 LT & RT	2
'GV' 39+06 LT & RT	2
'GV' 39+46 LT	1
'GV' 39+86 LT & RT	2
'GV' 40+26 LT & RT	2
'GV' 40+66 LT & RT	2
'GV' 41+06 LT & RT	2
'GV' 41+46 LT & RT	2
'GV' 41+86 LT	1
'GV' 42+26 LT & RT	2
'GV' 42+66 LT & RT	2
'GV' 43+06 LT & RT	2
'GV' 43+76 LT & RT	2
'GV' 45+26 LT & RT	2
'L' 10+40 RT	1
'L' 10+60 RT	1
'L' 10+80 RT	1
'L' 11+37 LT	1
'L' 11+57 LT	1
TOTAL	36

SIGNING AND PAVEMENT DELINEATION
SCALE : 1" = 40'

THIS PLAN ACCURATE FOR SIGNING AND PAVEMENT DELINEATION WORK ONLY

REVISION	NUMBER	DATE	DESCRIPTION	BY

REGISTERED PROFESSIONAL ENGINEER
DUSTIN W. HARRINGTON
No. C71517
License Expires 12-31-15
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE SUPERVISION OF:

REGISTERED CIVIL ENGINEER
09/19/14
DATE:

DESIGNED: DWH
CHECKED: DWH
ROAD NUMBER: 002

DRAWN: SGM
DATE: 06/13/14

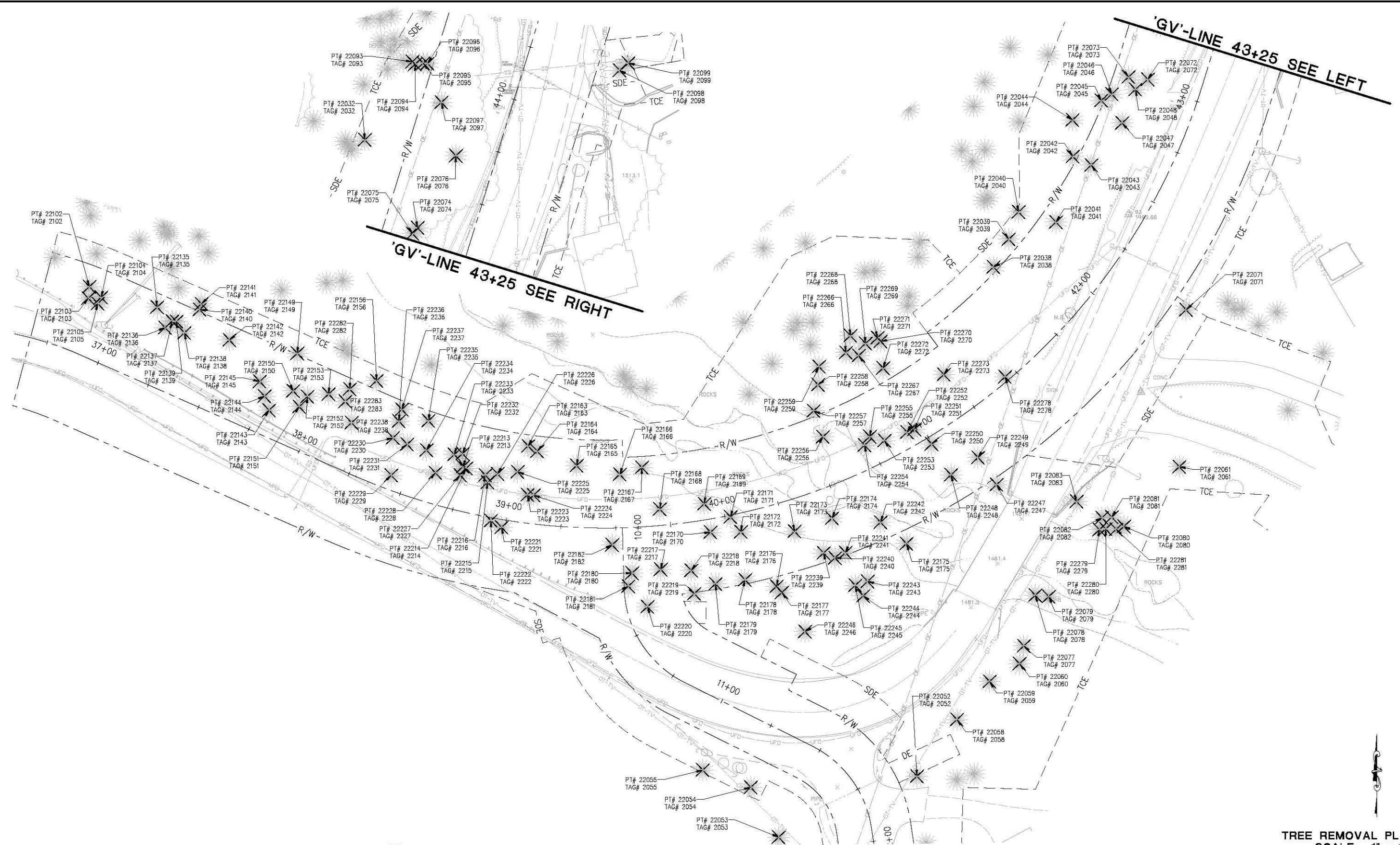


COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION

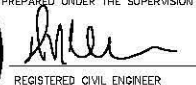
GREEN VALLEY RD AT WEBER CREEK
BRIDGE REPLACEMENT

SHEET
SPD-2
31 OF 78
W.O. No. 77114

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
Drawing name: C:\Civil 3D Projects\77114 Weber Cr at GVRD\CADD Files\Sheets\TR Sheets.dwg Layout Tab: TR-1 Sep 17, 2014 - 11:09am SMCvey



TREE REMOVAL PLAN
SCALE : 1" = 20'

REVISION					PREPARED UNDER THE SUPERVISION OF:  REGISTERED CIVIL ENGINEER DATE: 09/19/14	DESIGNED: DWH	DRAWN: SGM		COUNTY OF EL DORADO COMMUNITY DEVELOPMENT AGENCY TRANSPORTATION DIVISION	GREEN VALLEY RD AT WEBER CREEK BRIDGE REPLACEMENT	SHEET
						CHECKED: DWH	DATE: 06/13/14				TR-1
						ROAD NUMBER: 002					32 OF 78
											W.O. No. 77114

0 1 2
FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
Drawing name: C:\Civil 3D Projects\77114 Weber Cr at GVRD\CADD Files\Sheets\TR Sheets.dwg Layout Tab: TR-2 Sep 17, 2014 - 9:18am S:\weber

TREE REMOVAL TABLE				
POINT NUMBER	TAG NUMBER	STATION	OFFSET	DESCRIPTION
22032	2032	'GV' 43+62.43	59.66' LT	LIVE OAK
22038	2038	'GV' 41+77.88	41.97' LT	LIVE OAK--FORKED
22039	2039	'GV' 41+94.52	45.17' LT	OAK
22040	2040	'GV' 42+09.52	49.35' LT	GREY PINE
22041	2041	'GV' 42+16.86	32.84' LT	LIVE OAK
22042	2042	'GV' 42+50.78	42.13' LT	LIVE OAK--CLUSTER (7)
22043	2043	'GV' 42+51.36	32.88' LT	OAK
22044	2044	'GV' 42+68.39	49.73' LT	COTTONWOOD--FORKED
22045	2045	'GV' 42+84.26	41.20' LT	LIVE OAK
22046	2046	'GV' 42+89.42	37.77' LT	LIVE OAK
22047	2047	'GV' 42+77.58	28.51' LT	LIVE OAK--FORKED
22048	2048	'GV' 42+95.84	28.38' LT	LIVE OAK
22052	2052	'GV' 40+42.75	137.70' RT	COTTONWOOD--FORKED
22053	2053	'GV' 39+97.33	148.11' RT	LIVE OAK
22054	2054	'GV' 39+91.52	123.53' RT	LIVE OAK
22055	2055	'GV' 39+76.96	112.72' RT	LIVE OAK
22058	2058	'GV' 40+60.90	120.39' RT	LIVE OAK--CLUSTER (4)
22059	2059	'GV' 40+75.69	110.89' RT	COTTONWOOD--CLUSTER (3)
22060	2060	'GV' 40+87.10	110.00' RT	LIVE OAK--FORKED
22061	2061	'GV' 41+71.31	82.09' RT	LIVE OAK--CLUSTER (3)
22071	2071	'GV' 42+18.35	38.62' RT	LIVE OAK--FORKED
22072	2072	'GV' 43+02.62	24.55' LT	LIVE OAK--FORKED
22073	2073	'GV' 43+00.74	33.19' LT	LIVE OAK--FORKED
22074	2074	'GV' 43+31.25	24.90' LT	LIVE OAK--FORKED
22075	2075	'GV' 43+28.04	26.31' LT	BUCKEYE
22076	2076	'GV' 43+67.70	17.86' LT	GREY PINE
22077	2077	'GV' 40+91.21	103.88' RT	LIVE OAK
22078	2078	'GV' 41+03.39	86.71' RT	COTTONWOOD
22079	2079	'GV' 41+07.10	90.49' RT	COTTONWOOD
22080	2080	'GV' 41+42.72	84.93' RT	COTTONWOOD
22081	2081	'GV' 41+41.49	78.11' RT	COTTONWOOD
22082	2082	'GV' 41+38.61	75.52' RT	COTTONWOOD
22083	2083	'GV' 41+35.09	62.52' RT	BUCKEYE--FORKED
22093	2093	'GV' 44+02.78	49.40' LT	LIVE OAK
22094	2094	'GV' 44+02.07	47.86' LT	BUCKEYE
22095	2095	'GV' 44+03.59	44.49' LT	LIVE OAK--FORKED
22096	2096	'GV' 44+04.08	42.55' LT	LIVE OAK
22097	2097	'GV' 43+89.00	31.31' LT	LIVE OAK
22098	2098	'GV' 44+26.79	42.01' RT	LIVE OAK
22099	2099	'GV' 44+31.14	44.82' RT	OAK
22102	2102	'GV' 36+83.91	30.34' LT	OAK
22103	2103	'GV' 36+85.12	25.19' LT	BUCKEYE--CLUSTER (3)
22104	2104	'GV' 36+89.65	27.84' LT	OAK
22105	2105	'GV' 36+89.37	24.64' LT	OAK
22135	2135	'GV' 37+14.37	34.04' LT	LIVE OAK
22136	2136	'GV' 37+21.45	26.94' LT	LIVE OAK
22137	2137	'GV' 37+23.21	30.94' LT	LIVE OAK
22138	2138	'GV' 37+30.44	28.33' LT	BUCKEYE
22139	2139	'GV' 37+25.06	31.60' LT	LIVE OAK
22140	2140	'GV' 37+32.54	40.84' LT	BUCKEYE
22141	2141	'GV' 37+32.19	43.53' LT	BUCKEYE
22142	2142	'GV' 37+50.57	33.61' LT	BUCKEYE--FORKED
22143	2143	'GV' 37+79.96	11.63' LT	LIVE OAK
22144	2144	'GV' 37+75.48	16.67' LT	BUCKEYE
22145	2145	'GV' 37+70.80	21.93' LT	LIVE OAK
22149	2149	'GV' 37+81.31	40.58' LT	LIVE OAK

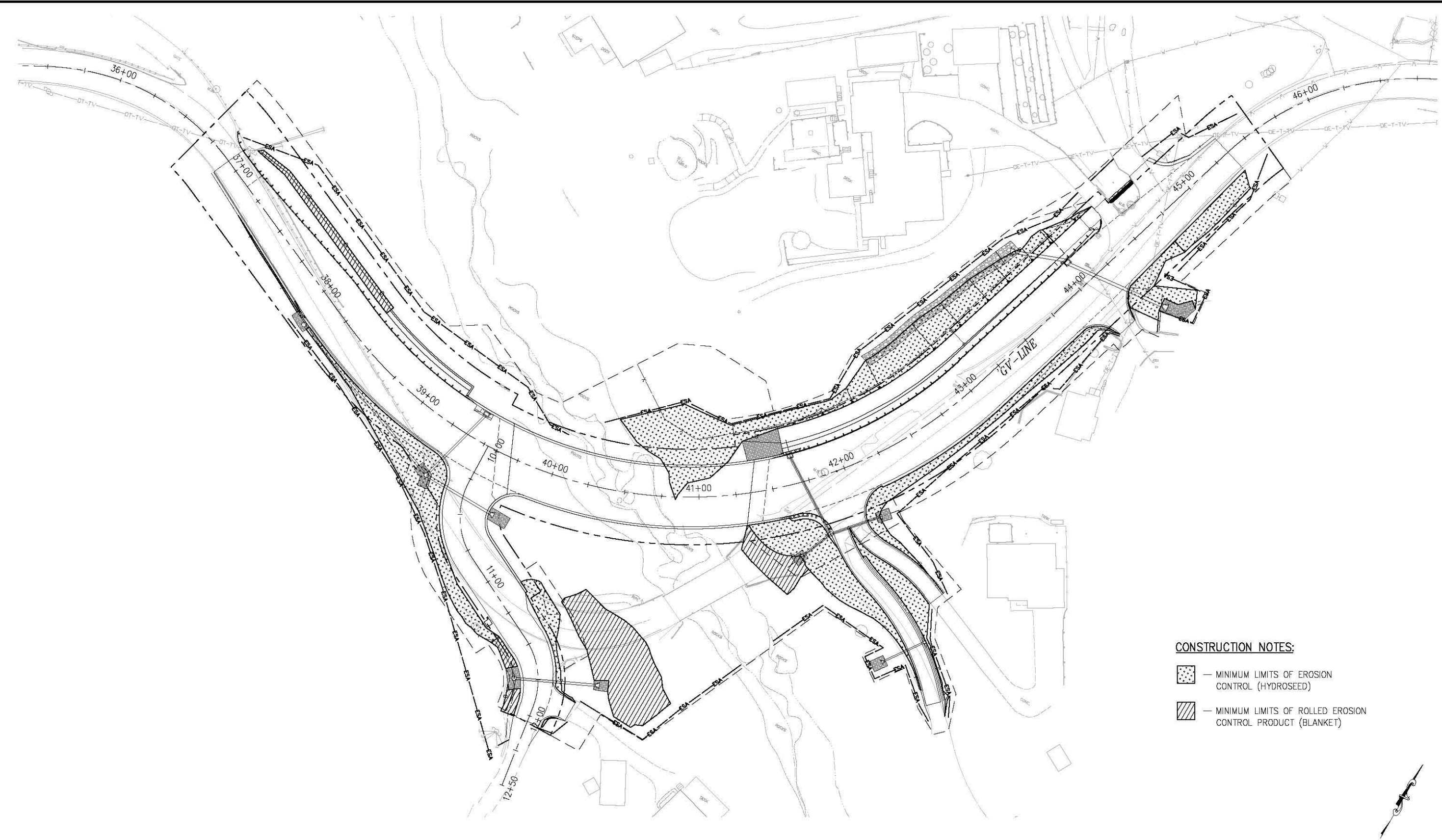
TREE REMOVAL TABLE				
POINT NUMBER	TAG NUMBER	STATION	OFFSET	DESCRIPTION
22150	2150	'GV' 37+86.49	24.14' LT	COTTONWOOD
22151	2151	'GV' 37+91.92	18.71' LT	BUCKEYE
22152	2152	'GV' 37+93.43	24.41' LT	COTTONWOOD--FORKED
22153	2153	'GV' 38+01.84	29.40' LT	COTTONWOOD--CLUSTER (4)
22156	2156	'GV' 38+19.38	43.72' LT	LIVE OAK
22163	2163	'GV' 39+05.09	34.94' LT	COTTONWOOD
22164	2164	'GV' 39+10.11	33.12' LT	COTTONWOOD
22165	2165	'GV' 39+30.78	28.13' LT	COTTONWOOD
22166	2166	'GV' 39+52.48	24.35' LT	COTTONWOOD
22167	2167	'GV' 39+63.68	26.99' LT	COTTONWOOD
22168	2168	'GV' 39+70.75	7.47' LT	COTTONWOOD
22169	2169	'GV' 39+91.72	7.27' LT	COTTONWOOD
22170	2170	'GV' 39+92.41	5.97' RT	COTTONWOOD
22171	2171	'GV' 40+02.49	0.82' RT	COTTONWOOD
22172	2172	'GV' 40+05.71	8.42' RT	COTTONWOOD
22173	2173	'GV' 40+28.53	14.33' RT	COTTONWOOD
22174	2174	'GV' 40+45.74	14.07' RT	COTTONWOOD
22175	2175	'GV' 40+70.30	37.93' RT	COTTONWOOD
22176	2176	'GV' 40+15.08	36.28' RT	COTTONWOOD
22177	2177	'GV' 40+16.56	39.57' RT	COTTONWOOD
22178	2178	'GV' 40+03.17	30.16' RT	COTTONWOOD
22179	2179	'GV' 39+90.88	29.52' RT	COTTONWOOD
22180	2180	'GV' 39+56.56	20.76' RT	COTTONWOOD
22181	2181	'GV' 39+54.78	26.67' RT	OAK
22182	2182	'GV' 39+48.25	7.68' RT	OAK
22213	2213	'GV' 38+74.77	20.03' LT	LIVE OAK
22214	2214	'GV' 38+76.50	19.64' LT	LIVE OAK
22215	2215	'GV' 38+88.17	15.50' LT	BLACK OAK
22216	2216	'GV' 38+86.30	18.52' LT	LIVE OAK
22217	2217	'GV' 39+68.81	19.91' RT	LIVE OAK
22218	2218	'GV' 39+81.64	21.88' RT	LIVE OAK
22219	2219	'GV' 39+81.67	32.51' RT	LIVE OAK
22220	2220	'GV' 39+62.21	36.42' RT	GREY PINE
22221	2221	'GV' 38+98.32	3.50' RT	LIVE OAK
22222	2222	'GV' 38+93.04	1.31' RT	LIVE OAK
22223	2223	'GV' 39+08.02	12.88' LT	BUCKEYE
22224	2224	'GV' 39+10.94	13.05' LT	BUCKEYE
22225	2225	'GV' 39+01.65	22.61' LT	LIVE OAK
22226	2226	'GV' 38+92.08	20.18' LT	BUCKEYE
22227	2227	'GV' 38+74.47	15.96' LT	BUCKEYE
22228	2228	'GV' 38+62.71	13.97' LT	BUCKEYE--FORKED
22229	2229	'GV' 38+43.25	6.56' LT	LIVE OAK
22230	2230	'GV' 38+37.60	22.77' LT	LIVE OAK
22231	2231	'GV' 38+45.30	22.28' LT	LIVE OAK
22232	2232	'GV' 38+73.00	25.72' LT	LIVE OAK
22233	2233	'GV' 38+69.13	24.35' LT	BUCKEYE
22234	2234	'GV' 38+55.26	22.67' LT	LIVE OAK
22235	2235	'GV' 38+51.51	35.62' LT	LIVE OAK
22236	2236	'GV' 38+37.29	30.79' LT	LIVE OAK
22237	2237	'GV' 38+36.49	36.25' LT	LIVE OAK
22238	2238	'GV' 38+16.67	21.63' LT	LIVE OAK--CLUSTER (3)
22239	2239	'GV' 40+37.42	27.76' RT	COTTONWOOD
22240	2240	'GV' 40+41.26	31.56' RT	COTTONWOOD
22241	2241	'GV' 40+46.01	30.89' RT	COTTONWOOD
22242	2242	'GV' 40+64.29	24.15' RT	COTTONWOOD--FORKED
22243	2243	'GV' 40+50.22	46.74' RT	LIVE OAK

TREE REMOVAL TABLE				
POINT NUMBER	TAG NUMBER	STATION	OFFSET	DESCRIPTION
22244	2244	'GV' 40+46.66	52.17' RT	GREEN ASH
22245	2245	'GV' 40+45.13	46.44' RT	LIVE OAK
22246	2246	'GV' 40+21.33	59.47' RT	LIVE OAK--FORKED
22247	2247	'GV' 41+13.79	34.87' RT	COTTONWOOD
22248	2248	'GV' 40+99.96	19.91' RT	COTTONWOOD
22249	2249	'GV' 41+13.67	19.90' RT	LIVE OAK--CLUSTER (4)
22250	2250	'GV' 40+99.73	3.33' RT	COTTONWOOD--FORKED
22251	2251	'GV' 40+96.43	6.47' LT	COTTONWOOD--FORKED
22252	2252	'GV' 40+92.74	6.97' LT	COTTONWOOD
22253	2253	'GV' 40+81.61	8.57' LT	COTTONWOOD
22254	2254	'GV' 40+72.24	10.76' LT	COTTONWOOD
22255	2255	'GV' 40+76.20	13.23' LT	COTTONWOOD
22256	2256	'GV' 40+55.45	21.96' LT	COTTONWOOD--FORKED
22257	2257	'GV' 40+56.08	34.46' LT	GREEN ASH
22258	2258	'GV' 40+63.68	44.62' LT	BUCKEYE--FLUSTER (4)
22259	2259	'GV' 40+68.23	51.99' LT	LIVE OAK--FORKED
22266	2266	'GV' 40+85.17	52.20' LT	LIVE OAK--CLUSTER (3)
22267	2267	'GV' 40+90.53	48.19' LT	LIVE OAK
22268	2268	'GV' 40+92.00	57.95' LT	LIVE OAK
22269	2269	'GV' 40+97.16	51.44' LT	LIVE OAK
22270	2270	'GV' 41+04.88	48.66' LT	LIVE OAK
22271	2271	'GV' 41+04.53	50.82' LT	LIVE OAK
22272	2272	'GV' 40+98.52	37.70' LT	COTTONWOOD
22273	2273	'GV' 41+22.47	20.02' LT	COTTONWOOD--FORKED
22278	2278	'GV' 41+44.68	2.03' LT	LIVE OAK--FORKED
22279	2279	'GV' 41+35.21	79.07' RT	BUCKEYE
22280	2280	'GV' 41+37.15	80.57' RT	COTTONWOOD
22281	2281	'GV' 41+39.92	83.72' RT	COTTONWOOD--CLUSTER (4)
22282	2282	'GV' 38+09.74	35.30' LT	LIVE OAK
22283	2283	'GV' 38+10.15	29.35' LT	LIVE OAK

TREE REMOVAL PLAN

REVISION						PREPARED UNDER THE SUPERVISION OF :	DESIGNED: DWH	DRAWN: SGM		COUNTY OF EL DORADO COMMUNITY DEVELOPMENT AGENCY TRANSPORTATION DIVISION	GREEN VALLEY RD AT WEBER CREEK BRIDGE REPLACEMENT	SHEET TR-2 33 OF 78 W.O. No. 77114
							CHECKED: DWH	DATE: 06/13/14				
							ROAD NUMBER: 002					
	NUMBER	DATE	DESCRIPTION	BY								

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
Drawing name: C:\Civil 3D Projects\77114 Weber Cr at GVRD\CADD Files\Sheets\EC Sheets.dwg Layout Tab: EC-1 Sep 17, 2014 - 9:20am SMCvey



CONSTRUCTION NOTES:

- [Stippled pattern] — MINIMUM LIMITS OF EROSION CONTROL (HYDROSEED)
- [Hatched pattern] — MINIMUM LIMITS OF ROLLED EROSION CONTROL PRODUCT (BLANKET)



EROSION CONTROL PLAN
SCALE : 1" = 30'

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
DATE: 09/19/14

DESIGNED: DWH
CHECKED: DWH
DRAWN: DWH
DATE: 08/06/14
ROAD NUMBER: 002

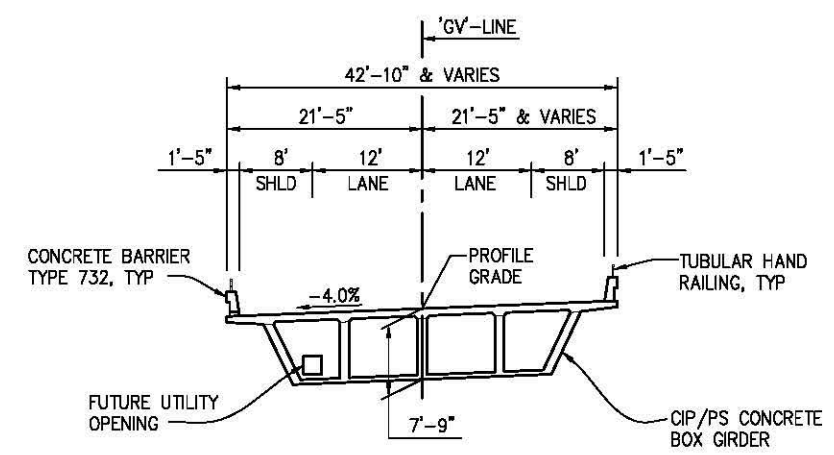
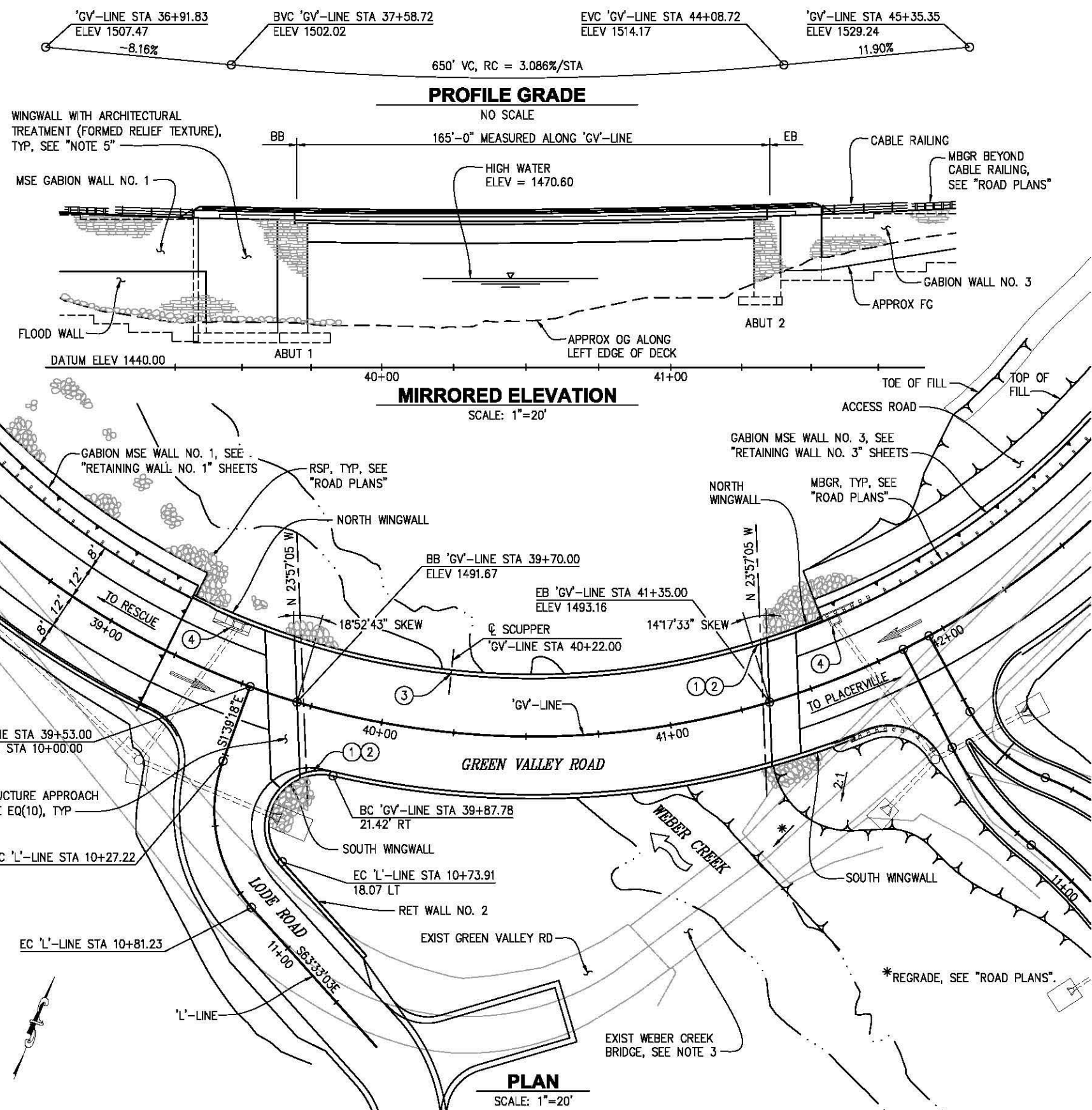


COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION

GREEN VALLEY RD AT WEBER CREEK
BRIDGE REPLACEMENT

SHEET
EC-1
34 OF 78
W.O. No. 77114

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
Drawing name: C:\pwworking\src\lms99384\S-01.dwg Layout Tab: Layout1 Aug 19, 2014 - 6:37am jvoight



TYPICAL SECTION
SCALE: 1"=10'

QUANTITIES:

BRIDGE REMOVAL	1	LS
STRUCTURE EXCAVATION (BRIDGE)	1,016	CY
STRUCTURE EXCAVATION (RETAINING WALL)	155	CY
ROCK EXCAVATION	339	CY
STRUCTURE BACKFILL (BRIDGE)	2,310	CY
STRUCTURE BACKFILL (RETAINING WALL)	225	CY
PRESTRESSED CAST IN PLACE CONCRETE	1	LS
STRUCTURAL CONCRETE, BRIDGE FOOTING	315	CY
STRUCTURAL CONCRETE, BRIDGE	1,210	CY
STRUCTURAL CONCRETE, APPROACH SLAB (TYPE EQ10)	30	CY
STRUCTURAL CONCRETE, RETAINING WALL	65	CY
BAR REINFORCING STEEL (BRIDGE)	354,000	LB
BAR REINFORCING STEEL (RETAINING WALL)	5,900	LB
ARCHITECTURAL TREATMENT	1	LS
ANTI-GRAFFITI PROTECTIVE COATING	1	LS
JOINT SEAL (TYPE B - MR=2")	94	LF
CONCRETE BARRIER TYPE 732	330	LF
CONCRETE BARRIER TYPE 732A	165	LF
TUBULAR HAND RAILING	495	LF
WELDED STEEL PIPE CASING (BRIDGE)	58	LF

NOTES:

- THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIALS.
- FOR HYDROLOGIC SUMMARY TABLE, SEE "FOUNDATION PLAN" SHEET.
- EXISTING BRIDGE TO BE REMOVED.
- FOR 'GV'-LINE & 'L'-LINE CURVE DATA, SEE "ROAD PLANS".
- FOR ARCHITECTURAL TREATMENT DETAILS, SEE "ABUTMENT DETAILS NO. 3" SHEET.

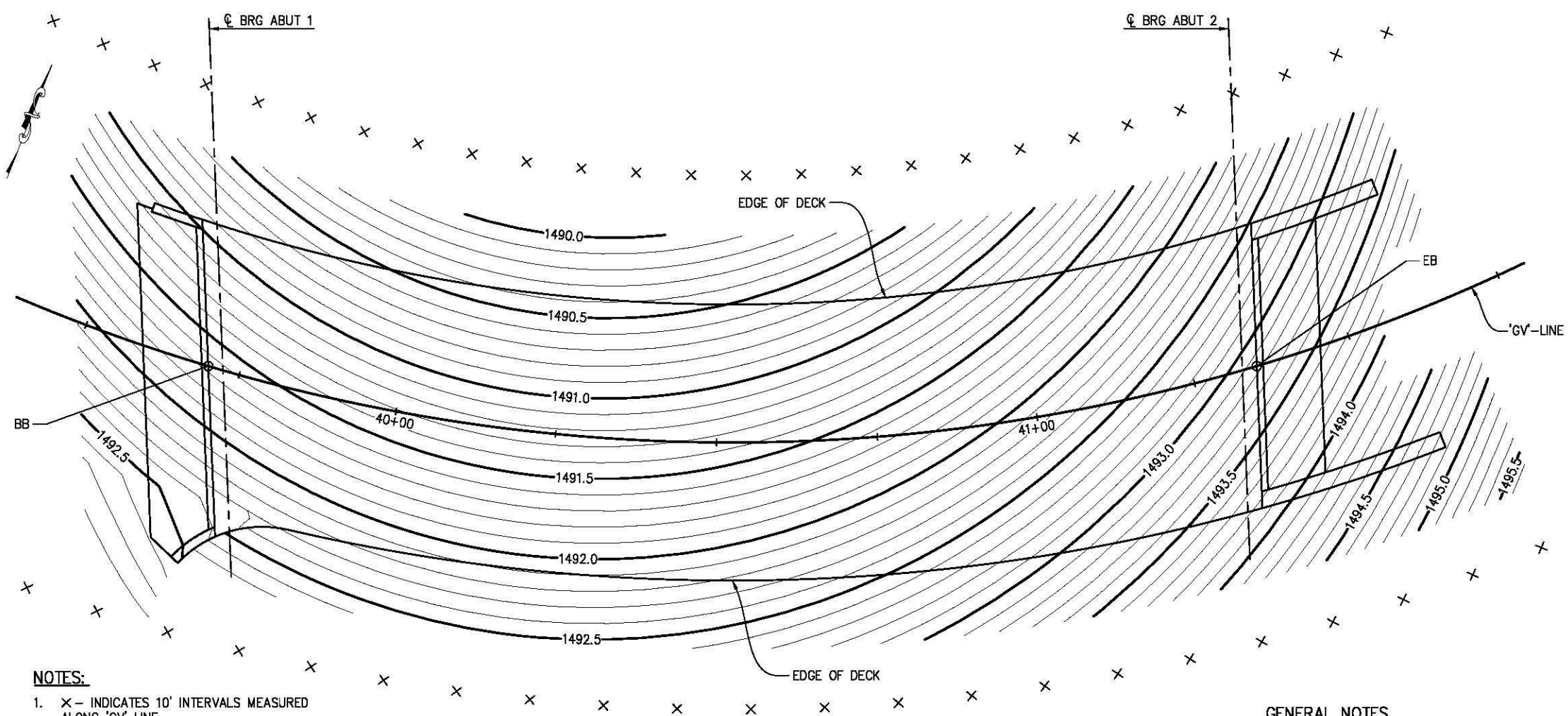
LEGEND:

- ① PAINT "BRIDGE NO. 25-0088 & YEAR OF CONSTRUCTION".
- ② PAINT "WEBER CREEK BRIDGE".
- ③ SCUPPER (B7-8)
- ④ □ DRAINAGE INLET, SEE "ROAD PLANS".
- INDICATES NEW STRUCTURE.
- INDICATES EXISTING FEATURES.

**WEBER CREEK BRIDGE
GENERAL PLAN
SCALE: AS SHOWN**

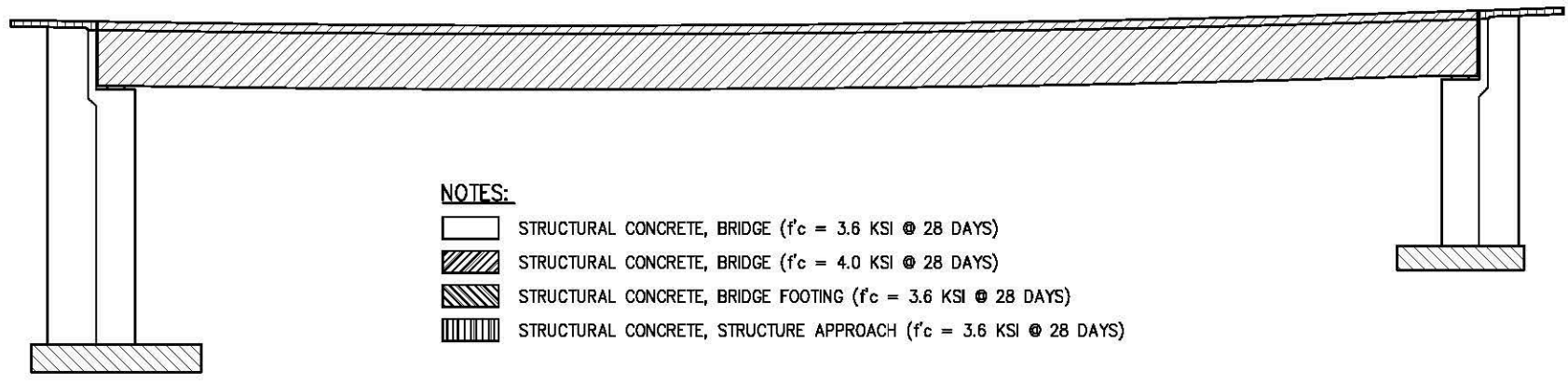
REVISION	DESIGNED: TK			DRAWN: JDV		
	CHECKED: SP			DATE: 7/31/12		
ROAD NUMBER: 002			DATE: 8/19/14			
REGISTERED PROFESSIONAL ENGINEER TITUS KENG No. 45226 Exp. 9-30-14 CIVIL STATE OF CALIFORNIA PREPARED UNDER THE SUPERVISION OF: <i>Titus Keng</i> REGISTERED CIVIL ENGINEER DATE: 8/19/14 COUNTY OF EL DORADO COMMUNITY DEVELOPMENT AGENCY TRANSPORTATION DIVISION GREEN VALLEY RD AT WEBER CREEK BRIDGE REPLACEMENT SHEET S-1 35 OF 78 W.O. No. 77114						

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
Drawing name: C:\pwworking\src\dm99384\S-02.dwg Layout Tab: Layout1 Aug 19, 2014 - 6:41pm jvought



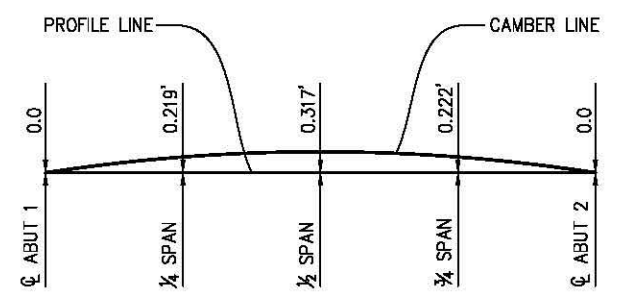
- NOTES:**
1. X - INDICATES 10' INTERVALS MEASURED ALONG 'GV' LINE.
 2. CONTOUR INTERVAL = 0.1'
 3. CONTOURS DO NOT INCLUDE CAMBER OR ALLOWANCE FOR FALSEWORK SETTLEMENT.

CONCRETE STRENGTH AND TYPE LIMITS
SCALE: 1"=10'



- NOTES:**
- STRUCTURAL CONCRETE, BRIDGE ($f'_c = 3.6$ KSI @ 28 DAYS)
 - STRUCTURAL CONCRETE, BRIDGE ($f'_c = 4.0$ KSI @ 28 DAYS)
 - STRUCTURAL CONCRETE, BRIDGE FOOTING ($f'_c = 3.6$ KSI @ 28 DAYS)
 - STRUCTURAL CONCRETE, STRUCTURE APPROACH ($f'_c = 3.6$ KSI @ 28 DAYS)

CONCRETE STRENGTH AND TYPE LIMITS
NO SCALE



CAMBER DIAGRAM
NO SCALE
(DOES NOT INCLUDE ALLOWANCE FOR FALSEWORK SETTLEMENT)

- BRIDGE INDEX TO PLANS:**
- S-1. GENERAL PLAN
 - S-2. DECK CONTOURS
 - S-3. FOUNDATION PLAN
 - S-4. ABUTMENT 1 LAYOUT
 - S-5. ABUTMENT 2 LAYOUT
 - S-6. ABUTMENT DETAILS NO. 1
 - S-7. ABUTMENT DETAILS NO. 2
 - S-8. ABUTMENT DETAILS NO. 3
 - S-9. RETAINING WALL NO. 2 DETAILS
 - S-10. TYPICAL SECTION
 - S-11. GIRDER LAYOUT
 - S-12. STRUCTURE APPROACH TYPE EQ(10)
 - S-13. STRUCTURE APPROACH DRAINAGE DETAILS
 - S-14. EXPLORATORY BORING LOG 1 OF 3
 - S-15. EXPLORATORY BORING LOG 2 OF 3
 - S-16. EXPLORATORY BORING LOG 3 OF 3

GENERAL NOTES
LOAD AND RESISTANCE FACTOR DESIGN
DESIGN:
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 4TH EDITION AND THE CALTRANS AMENDMENTS, 4TH EDITION.
SEISMIC DESIGN:
CALTRANS SEISMIC DESIGN CRITERIA (SDC), VERSION 1.6 NOV 2010.
DEAD LOAD:
INCLUDES 35 PSF FOR FUTURE WEARING SURFACE.
LIVE LOADING:
HL93 W/"LOW BOY" AND PERMIT DESIGN VEHICLE.
SEISMIC LOADING:
CALTRANS SDC ARS CURVE: FIGURE B.4 (SOIL PROFILE TYPE C) MAGNITUDE = 6.5 ± 0.25 (SPECTRUM PEAK ROCK ACCELERATION = 0.5 g)
REINFORCED CONCRETE:
 $f_y = 60$ KSI
 $f'_c = 3.6$ KSI, UNLESS OTHERWISE NOTED.
 $n = 8$
PRESTRESSED CONCRETE:
SEE "PRESTRESSING NOTES" ON "GIRDER LAYOUT" SHEET.

- CALTRANS STANDARD PLANS DATED 2006**
- A10A ABBREVIATIONS (SHEET 1 OF 2)
 - A10B ABBREVIATIONS (SHEET 2 OF 2)
 - A10C LINES AND SYMBOLS (SHEET 1 OF 3)
 - A10D LINES AND SYMBOLS (SHEET 2 OF 3)
 - A10E LINES AND SYMBOLS (SHEET 3 OF 3)
 - A62B LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL BRIDGE SURCHARGE AND WALL
 - A62C LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL BRIDGE
 - B0-1 BRIDGE DETAILS
 - B0-3 BRIDGE DETAILS
 - B0-5 BRIDGE DETAILS
 - B0-13 BRIDGE DETAILS
 - B3-1 RETAINING WALL TYPE 1 H=4' THROUGH 30'
 - B3-9 RETAINING WALL DETAILS NO. 2
 - B6-21 JOINT SEALS (MAXIMUM MOVEMENT RATING = 2")
 - B7-1 BOX GIRDER DETAILS
 - B7-7 DECK DRAIN TYPE D-3
 - B7-8 DECK DRAINAGE DETAILS
 - B7-10 UTILITY OPENING - BOX GIRDER
 - B8-5 CAST-IN-PLACE PRESTRESSED GIRDER DETAILS
 - B11-51 CONCRETE BARRIER TYPE 732
 - B11-55 TUBULAR HAND RAILING

STANDARD PLAN SHEET NO.
DETAIL NO.

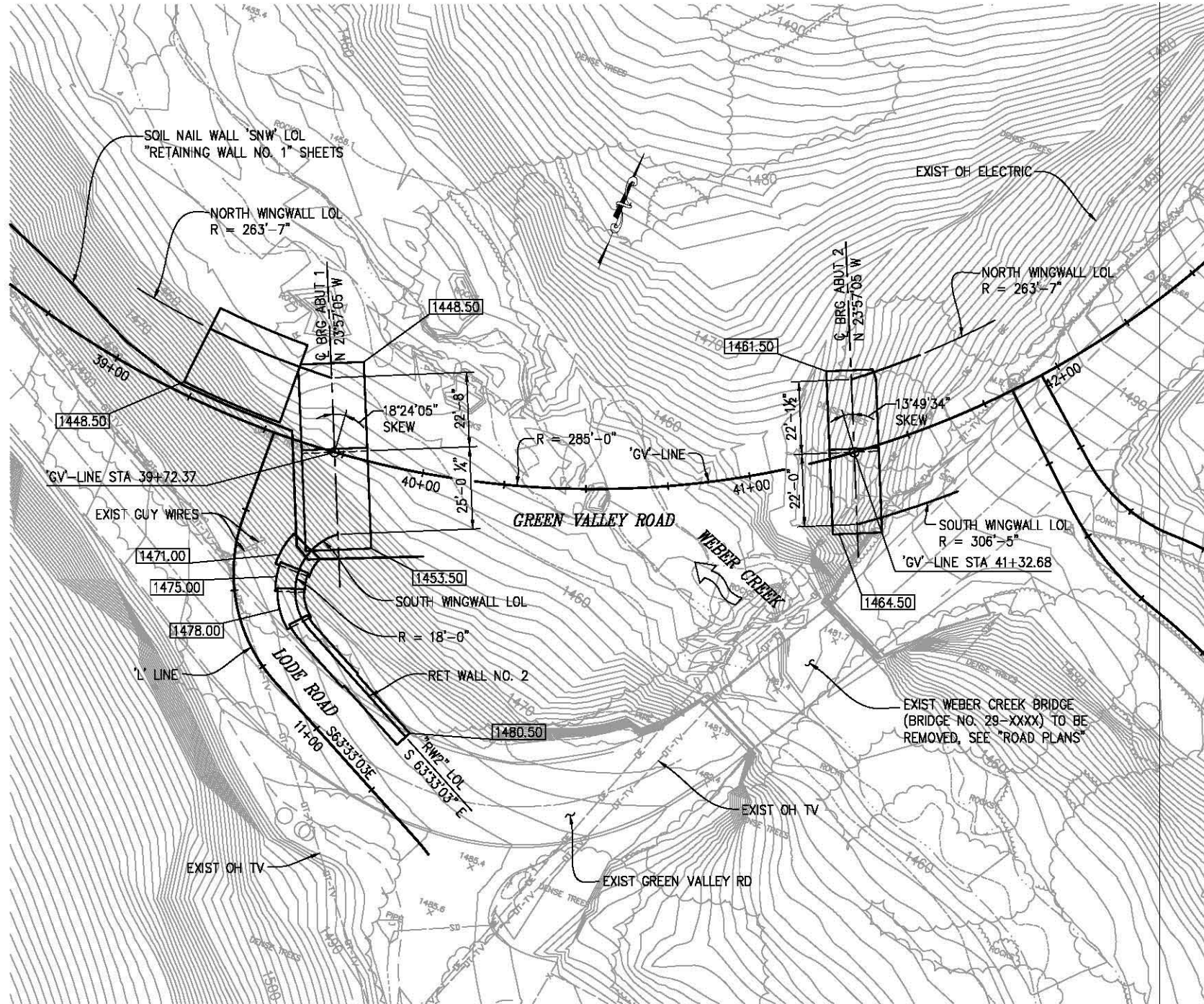
WEBER CREEK BRIDGE DECK CONTOURS
SCALE : AS SHOWN

REVISION		DESIGNED: TK		DRAWN: JDV		CHECKED: SP		DATE: 7/31/12		ROAD NUMBER: 002		COUNTY OF EL DORADO COMMUNITY DEVELOPMENT AGENCY TRANSPORTATION DIVISION		GREEN VALLEY RD AT WEBER CREEK BRIDGE REPLACEMENT		SHEET S-2 36 OF 78 W.O. No. 77114	
NUMBER		DATE		DESCRIPTION		BY		DATE		DATE		DATE		DATE		DATE	

REGISTERED PROFESSIONAL ENGINEER
TITUS KENG
No. 45226
Exp. 9-30-14
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE SUPERVISION OF:
Titus Keng
REGISTERED CIVIL ENGINEER
8/19/14

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
Drawing name: C:\pwworking\src\lms99384\S-03.dwg Layout Tab: Layout1 Aug 19, 2014 - 6:42am jvaught



PLAN

SCALE: 1"=20'

HYDROLOGIC SUMMARY TABLE			
DRAINAGE AREA 35.3 SQ MILES			
	DESIGN FLOOD	BASE FLOOD	OVER TOPPING
FREQUENCY	50 YR	100 YR	N/A
DISCHARGE	14,608 CFS	16,526 CFS	
WATER SURFACE ELEV AT BRIDGE	1469.76 FT	1470.60 FT	

FLOODPLAIN 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 EL DORADO COUNTY, OR HDR ENGINEERING INC. INTERESTED OR AFFECTED PARTIES SHOULD MAKE THEIR OWN INVESTIGATION.

NOTES:

1. FOR SURVEY CONTROL, SEE "ROAD PLANS".
2. CONTOURS SHOWN ARE EXISTING GROUND.
3. SEE "ROAD PLANS" FOR TYPE AND LOCATIONS OF ALL EXISTING AND PROPOSED UTILITIES.
4. LOCATION OF EXISTING UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY LOCATIONS OF ALL AFFECTED UTILITIES PRIOR TO PERFORMING ANY EXCAVATION.
5. REMOVE EXISTING BRIDGE SUPERSTRUCTURE AND ABUTMENTS INCLUDING WALLS AND FOUNDATIONS.
6. TOPOGRAPHIC SURVEY AND INFORMATION PROVIDED BY COUNTY.

LEGEND:

- INDICATES BOTTOM OF FOOTING ELEVATION.
- INDICATES NEW STRUCTURE.
- INDICATES EXISTING FEATURES.

**WEBER CREEK BRIDGE
FOUNDATION PLAN
SCALE : AS SHOWN**

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF :

Titus Keng
REGISTERED CIVIL ENGINEER
DATE: 8/19/14

DESIGNED: TK
CHECKED: SP
DRAWN: JDV
DATE: 7/31/12
ROAD NUMBER: 002

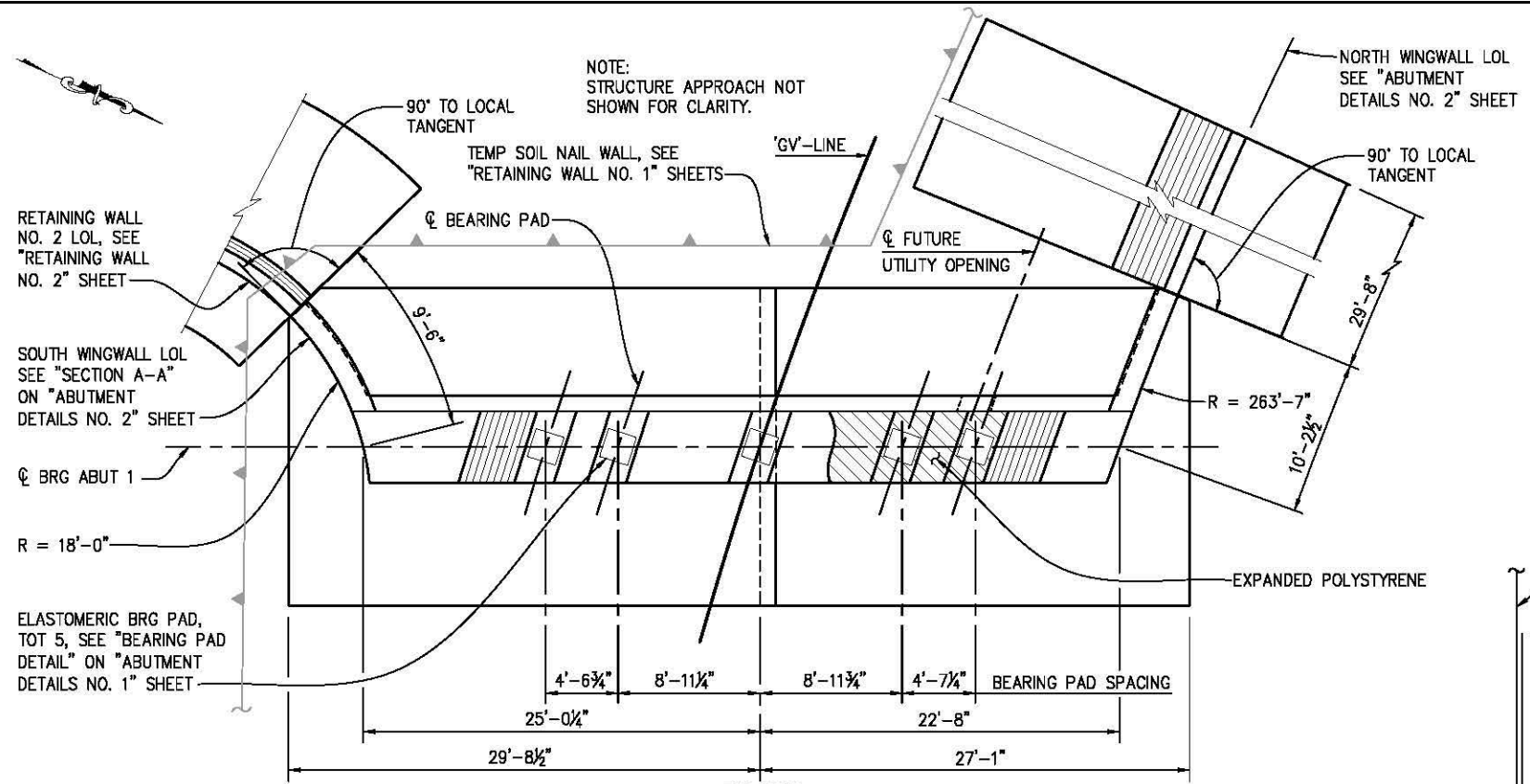


**COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION**

**GREEN VALLEY RD AT WEBER CREEK
BRIDGE REPLACEMENT**

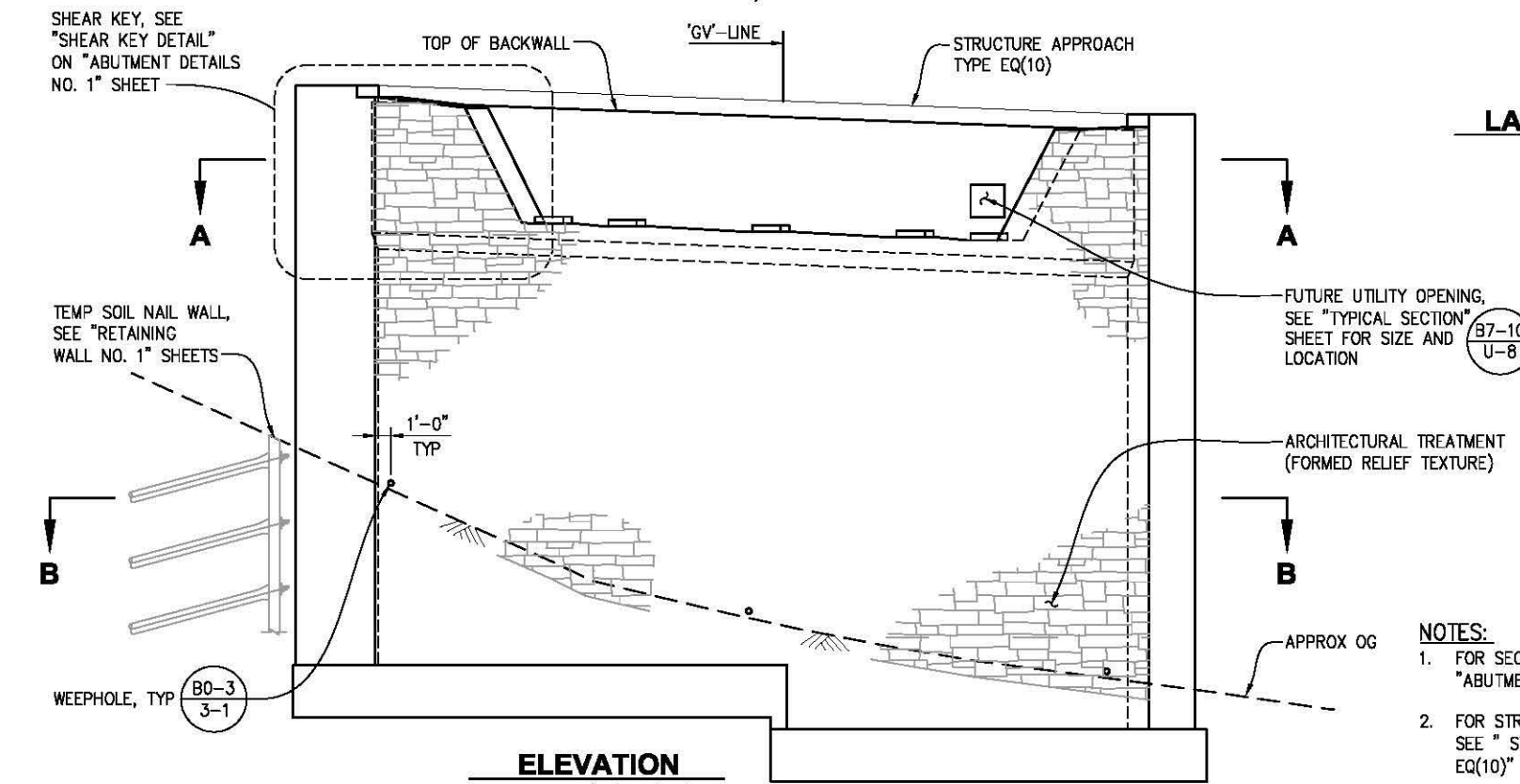
SHEET
S-3
37 OF 78
W.O. No. 77114

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
Drawing name: C:\pwworking\src\lms99384\S-04.dwg Layout Tab: Layout1 Aug 19, 2014 - 6:44pm jvaught



PLAN

SCALE: 3/16" = 1'-0"



ELEVATION

SCALE: 3/16" = 1'-0"

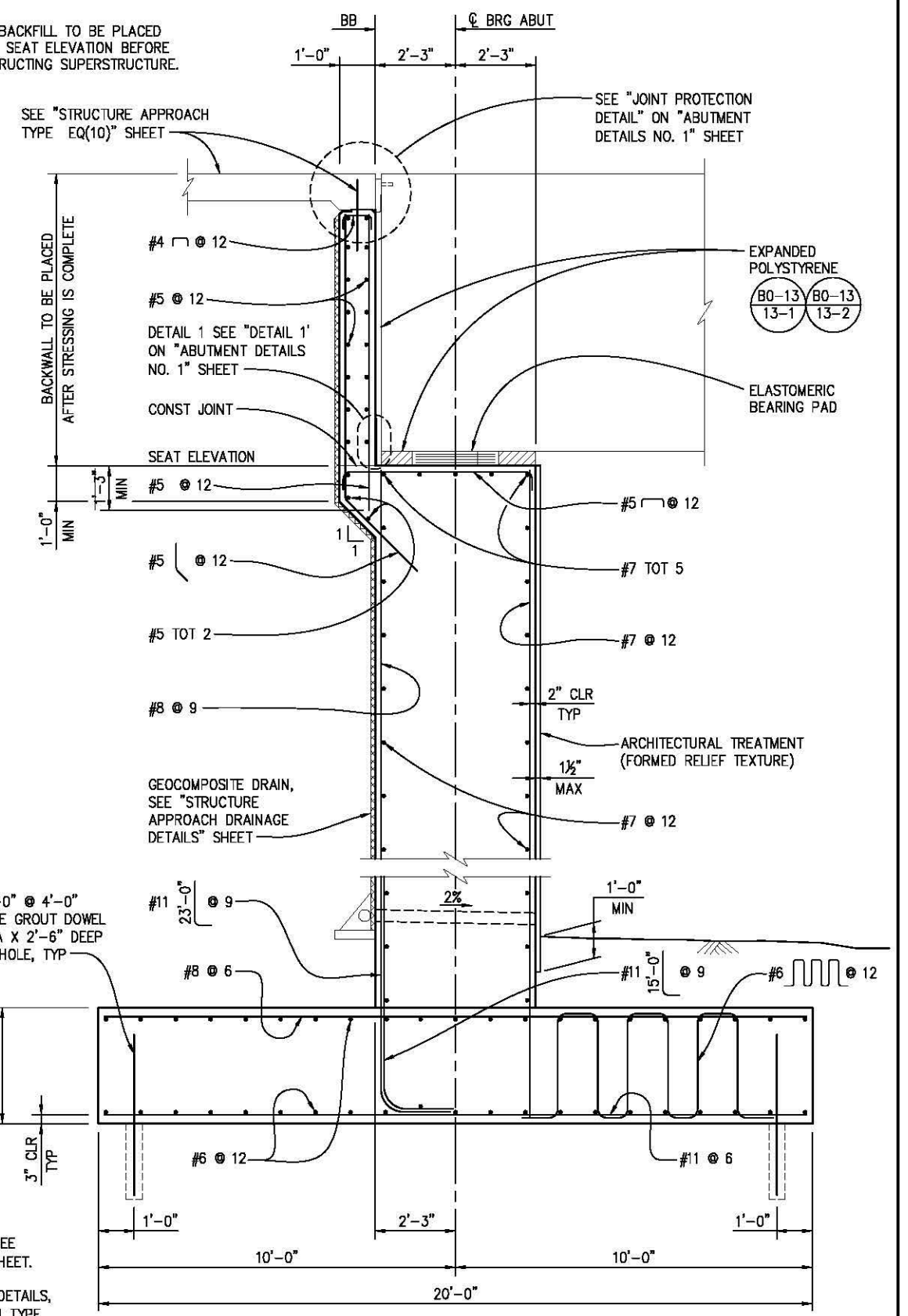
LAP DETAIL

NO SCALE

#6 X 5'-0" @ 4'-0" PRESSURE GROUT DOWEL IN 3" DIA X 2'-6" DEEP DRILLED HOLE, TYP

NOTES:

1. FOR SECTION A-A & B-B, SEE "ABUTMENT DETAILS NO. 1" SHEET.
2. FOR STRUCTURE APPROACH DETAILS, SEE "STRUCTURE APPROACH TYPE EQ(10)" SHEET.



TYPICAL SECTION ABUTMENT 1

SCALE: 1/2" = 1'-0"

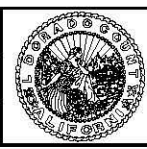
WEBER CREEK BRIDGE
ABUTMENT 1 LAYOUT
SCALE: AS SHOWN

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
Titus Keng
REGISTERED CIVIL ENGINEER
DATE: 8/19/14

DESIGNED: TK
CHECKED: SP
ROAD NUMBER: 002

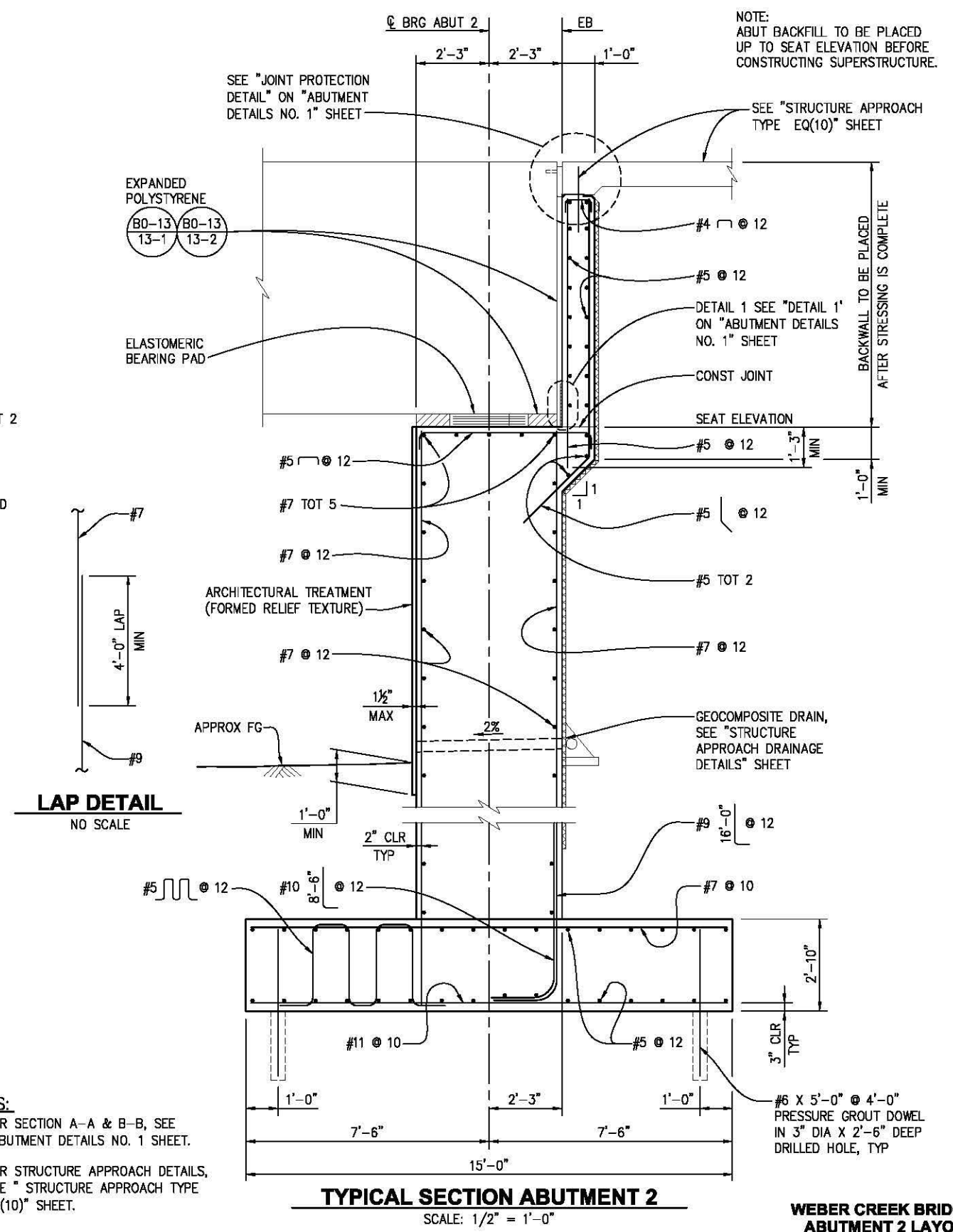
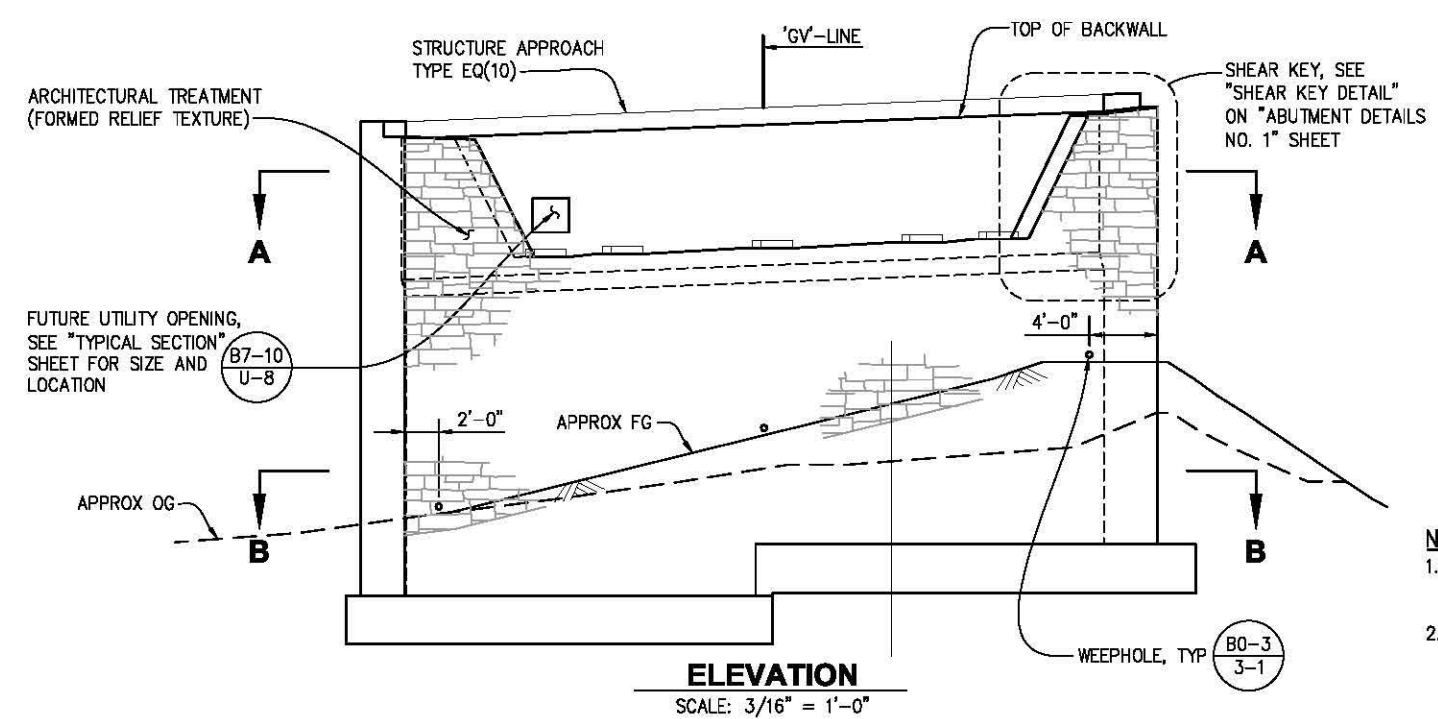
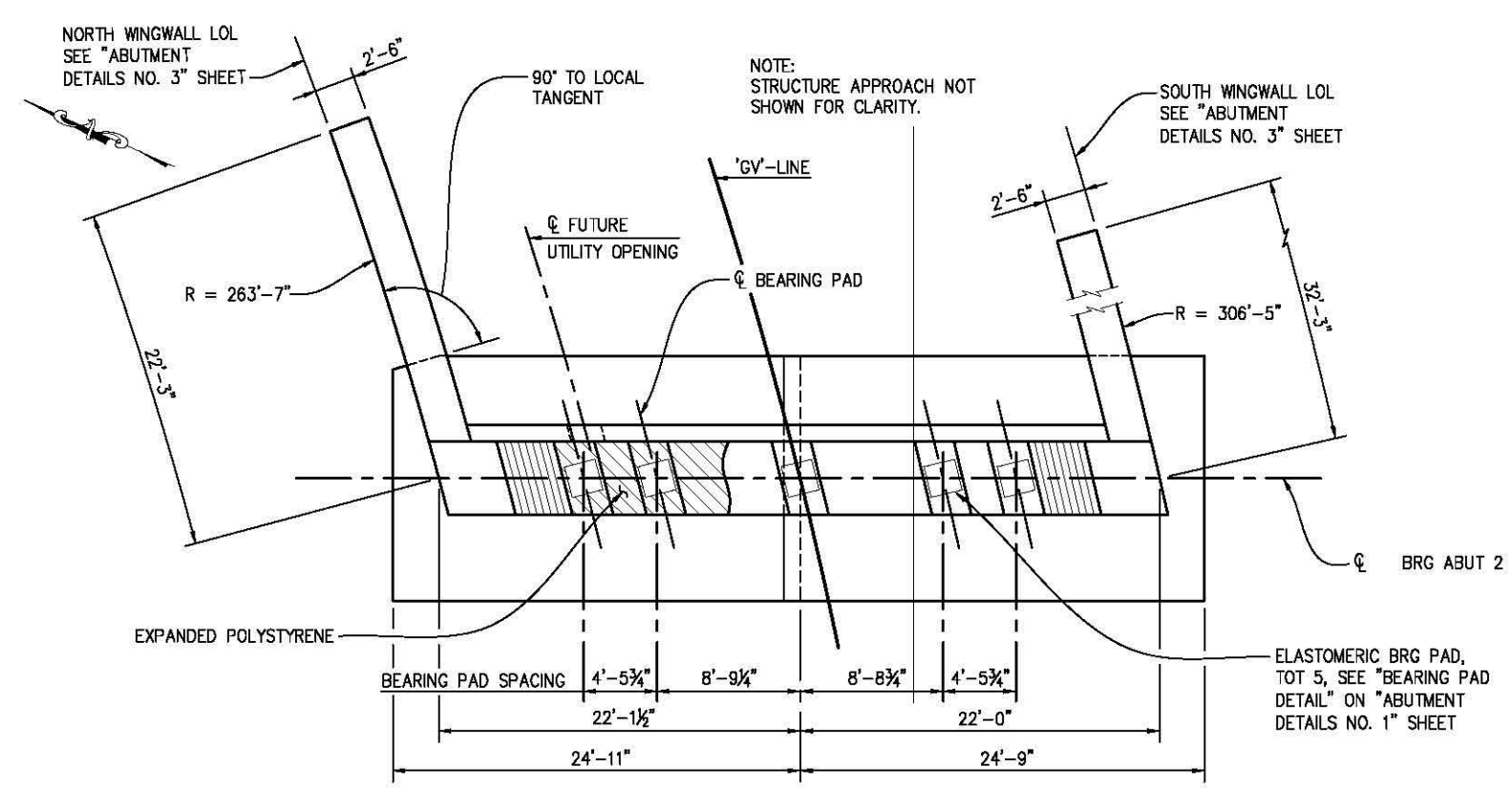


COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION

GREEN VALLEY RD AT WEBER CREEK
BRIDGE REPLACEMENT

SHEET
S-4
38 OF 78
W.O. No. 77114

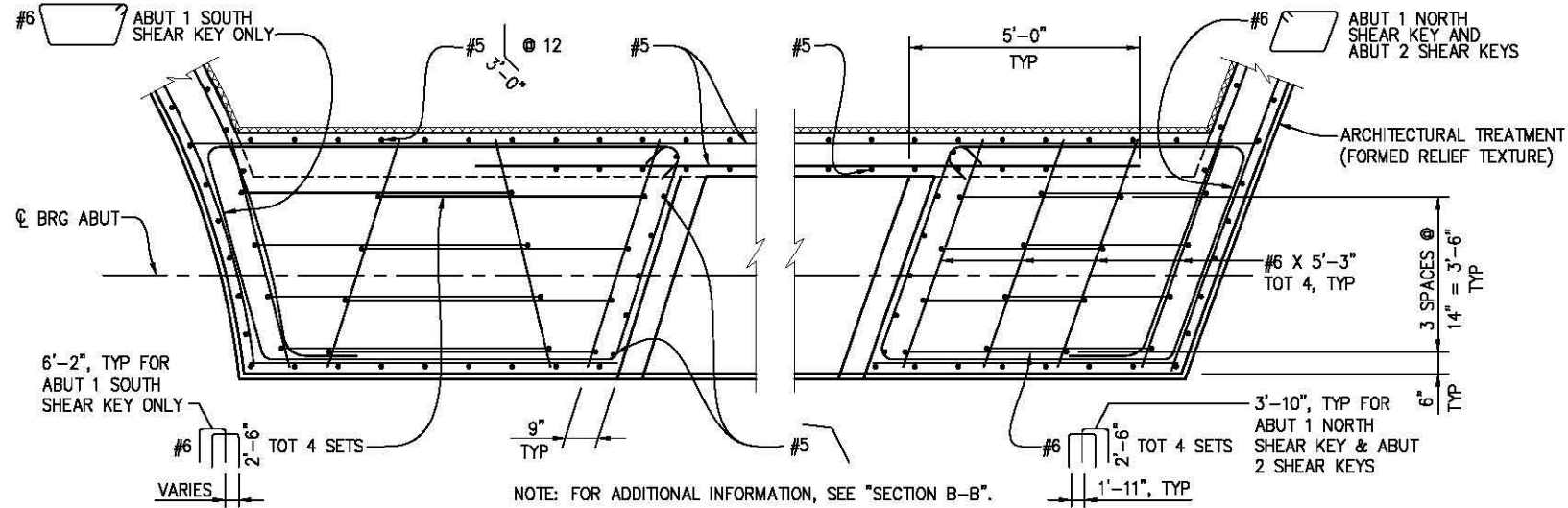
FOR REDUCED PLANS
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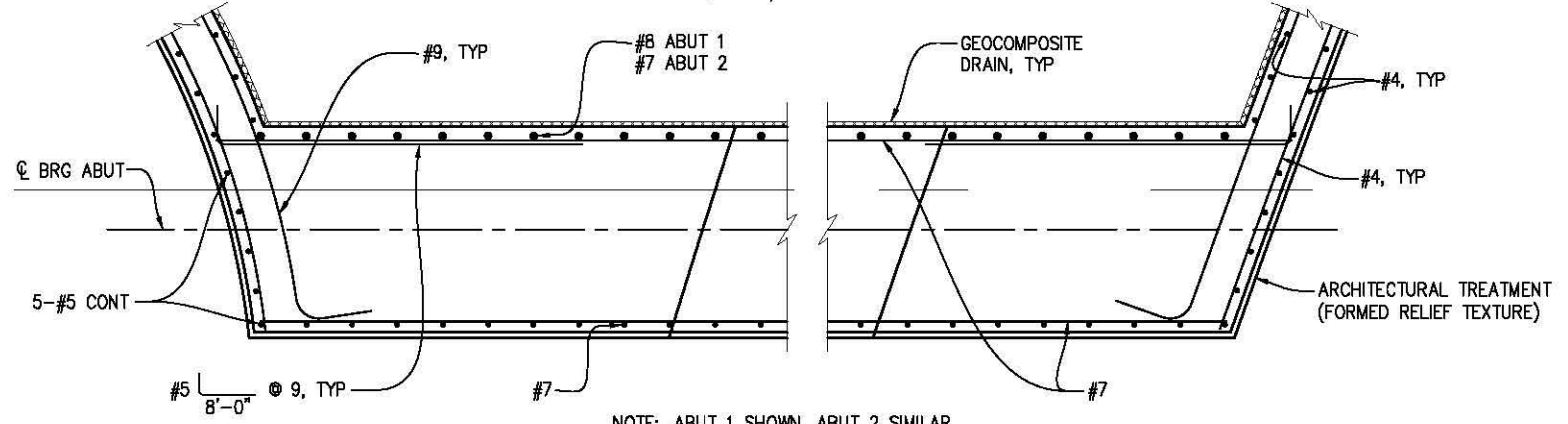
- NOTES:**
1. FOR SECTION A-A & B-B, SEE "ABUTMENT DETAILS NO. 1" SHEET.
 2. FOR STRUCTURE APPROACH DETAILS, SEE "STRUCTURE APPROACH TYPE EQ(10)" SHEET.

REVISION			PREPARED UNDER THE SUPERVISION OF: REGISTERED CIVIL ENGINEER DATE: 8/19/14	DESIGNED: TK	DRAWN: JDV		COUNTY OF EL DORADO COMMUNITY DEVELOPMENT AGENCY TRANSPORTATION DIVISION	GREEN VALLEY RD AT WEBER CREEK BRIDGE REPLACEMENT	SHEET S-5 39 OF 78 W.O. No. 77114
NUMBER	DATE			DESCRIPTION	BY				

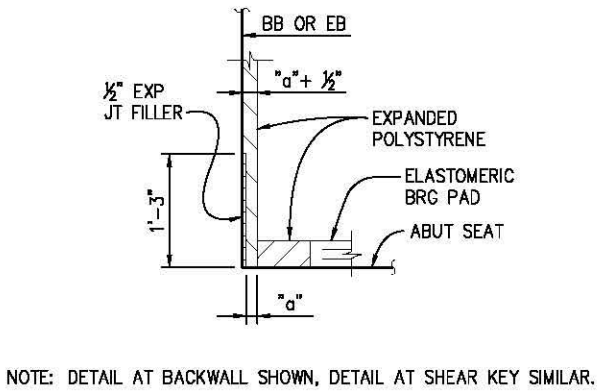
FOR REDUCED PLANS
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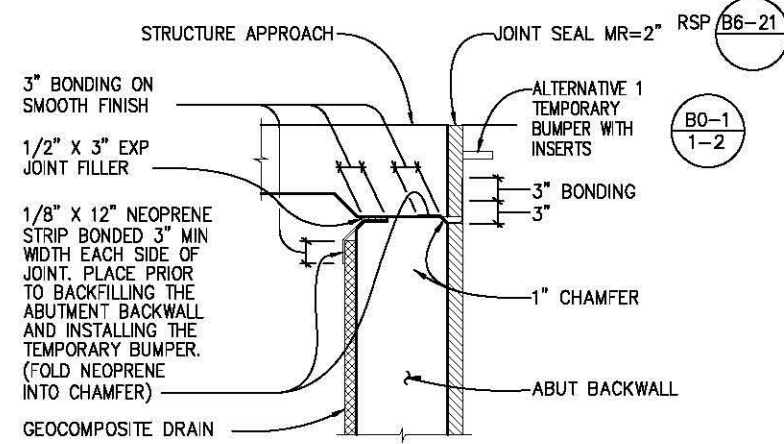
SECTION A-A
SCALE: 1/2" = 1'-0"



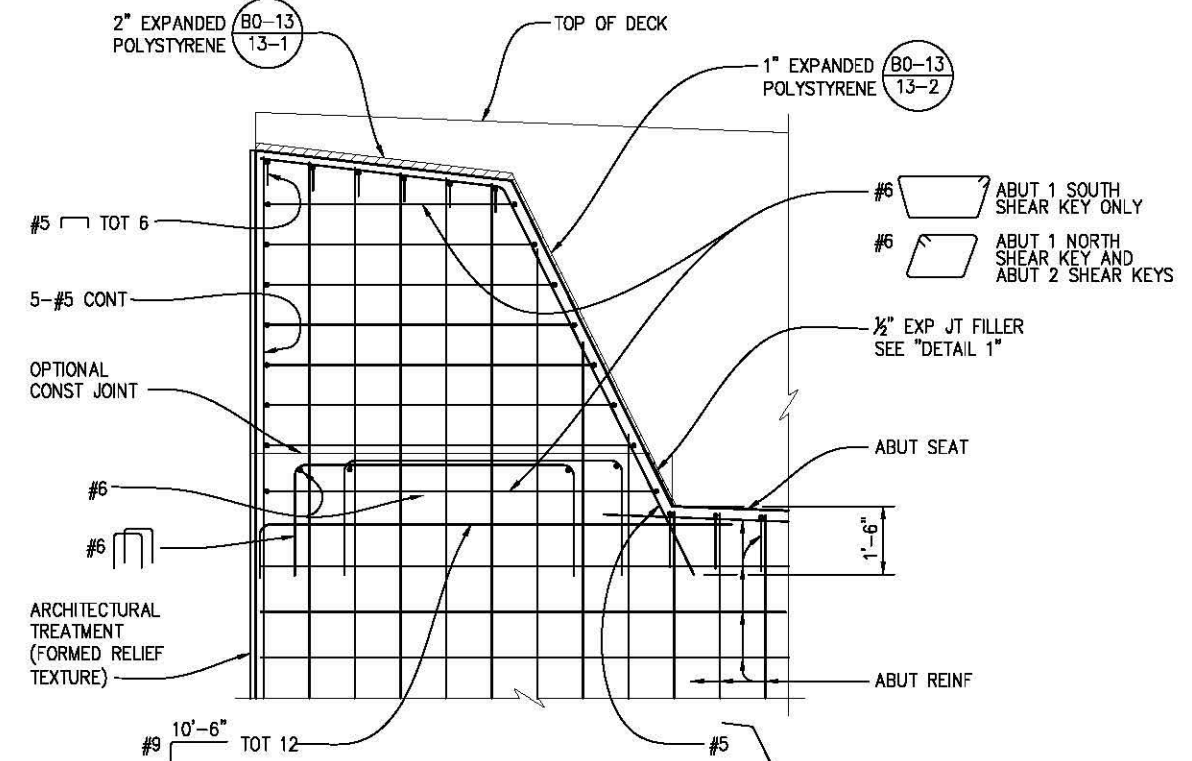
SECTION B-B
SCALE: 1/2" = 1'-0"



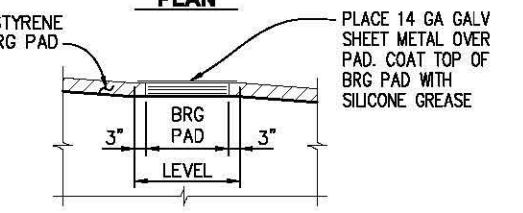
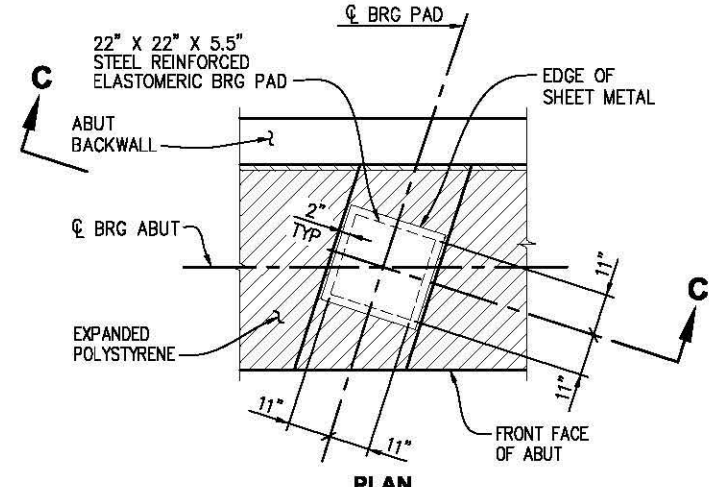
DETAIL 1
NO SCALE



JOINT PROTECTION DETAIL
SCALE: 1" = 1'-0"



SHEAR KEY DETAIL
SCALE: 1/2" = 1'-0"



SECTION C-C
BEARING PAD DETAIL
1/2" = 1'-0"

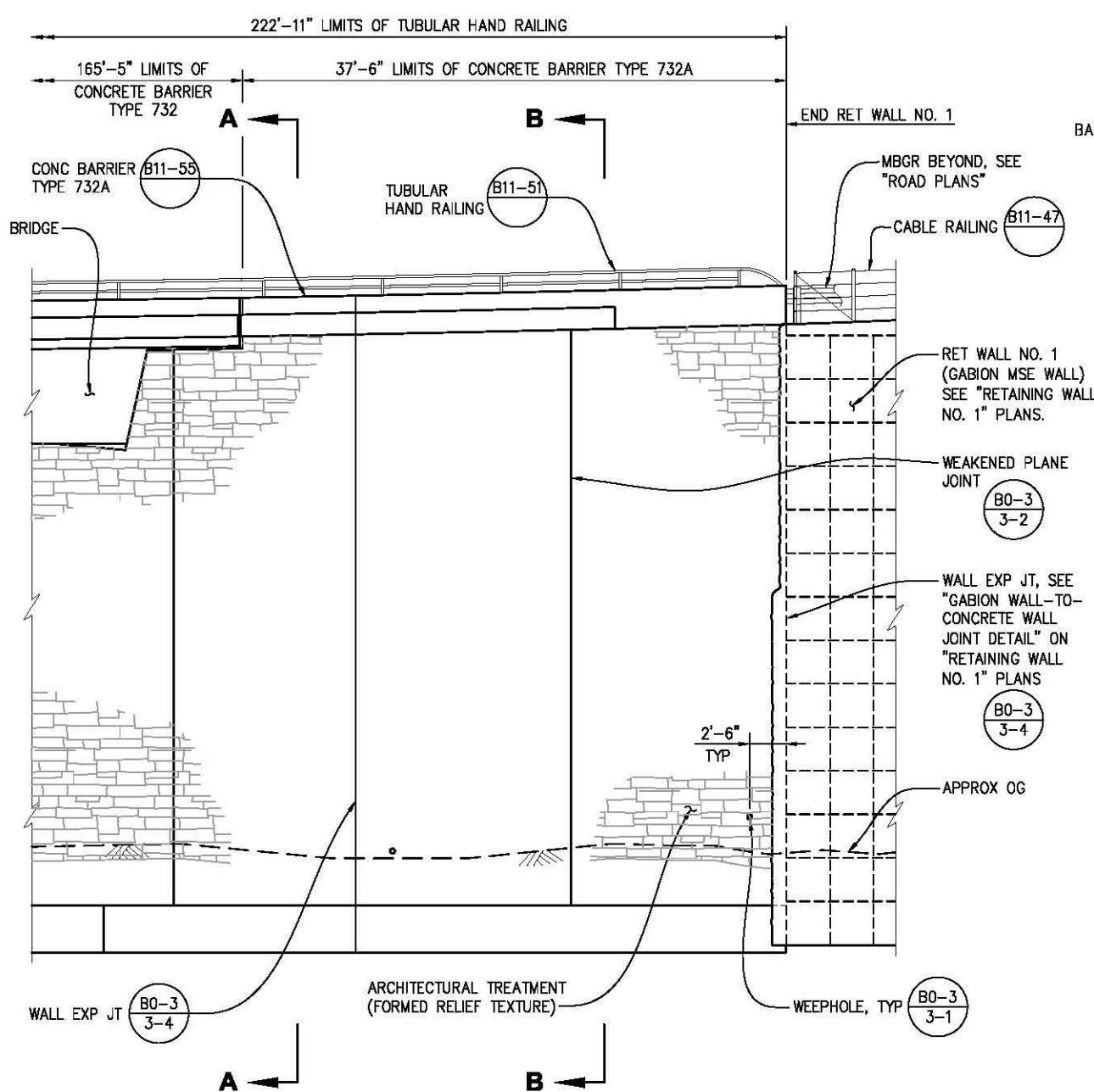
WEBER CREEK BRIDGE
ABUTMENT DETAILS NO. 1
SCALE : AS SHOWN

REVISION	PREPARED UNDER THE SUPERVISION OF :				DESIGNED: TK	DRAWN: JDV	CHECKED: SP	DATE: 7/31/12	ROAD NUMBER: 002	COUNTY OF EL DORADO COMMUNITY DEVELOPMENT AGENCY TRANSPORTATION DIVISION	GREEN VALLEY RD AT WEBER CREEK BRIDGE REPLACEMENT	SHEET S-6 40 OF 78 W.O. No. 77114
	NUMBER	DATE	DESCRIPTION	BY								

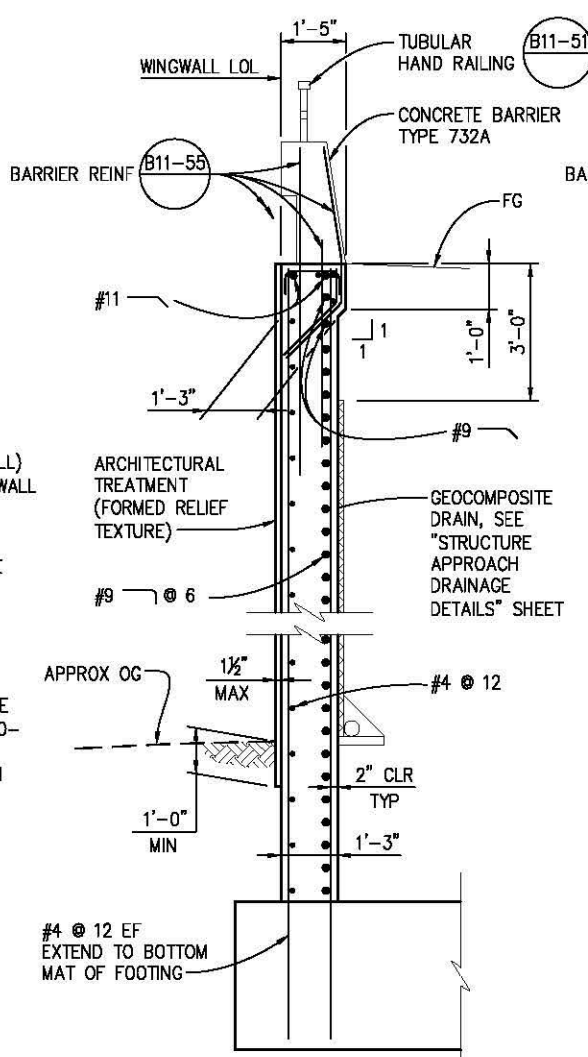
REGISTERED PROFESSIONAL ENGINEER
TITUS KENG
No. 45226
Exp. 9-30-14
CIVIL
STATE OF CALIFORNIA

REGISTERED CIVIL ENGINEER
8/19/14
DATE:

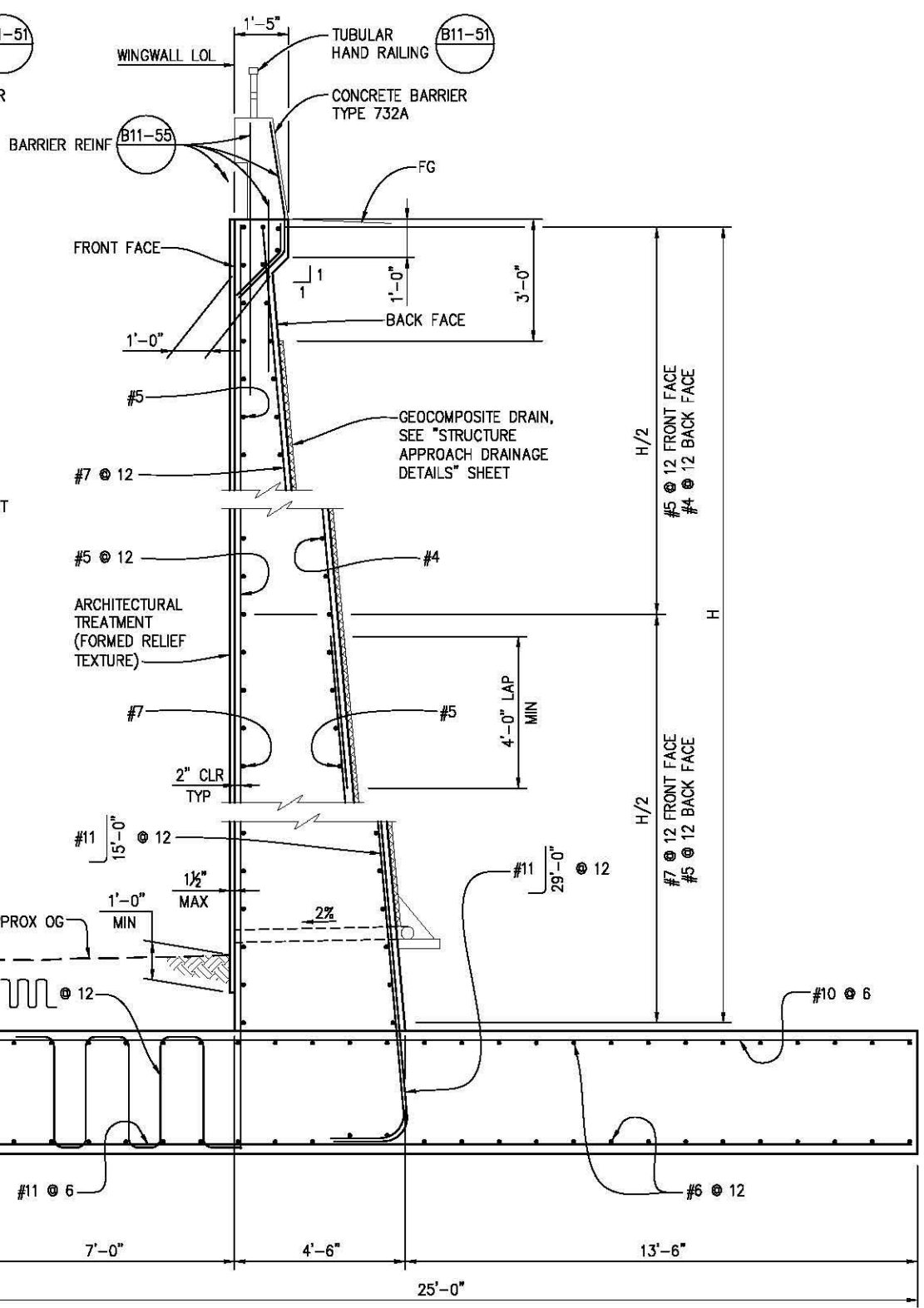
FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
Drawing name: C:\pwworking\src\dm9384\S-07.dwg Layout Tab Layout1 Aug 19, 2014 - 6:51pm jvought



ELEVATION - ABUTMENT 1 NORTH WINGWALL
SCALE: 3/16" = 1'-0"



SECTION A-A
SCALE: 1/2" = 1'-0"



SECTION B-B
SCALE: 1/2" = 1'-0"

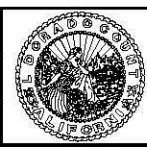
**WEBER CREEK BRIDGE
ABUTMENT DETAILS NO. 2
SCALE : AS SHOWN**

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF :
Titus Keng
REGISTERED CIVIL ENGINEER
DATE: 8/19/14

DESIGNED: TK
CHECKED: SP
DRAWN: JDV
DATE: 7/31/12
ROAD NUMBER: 002

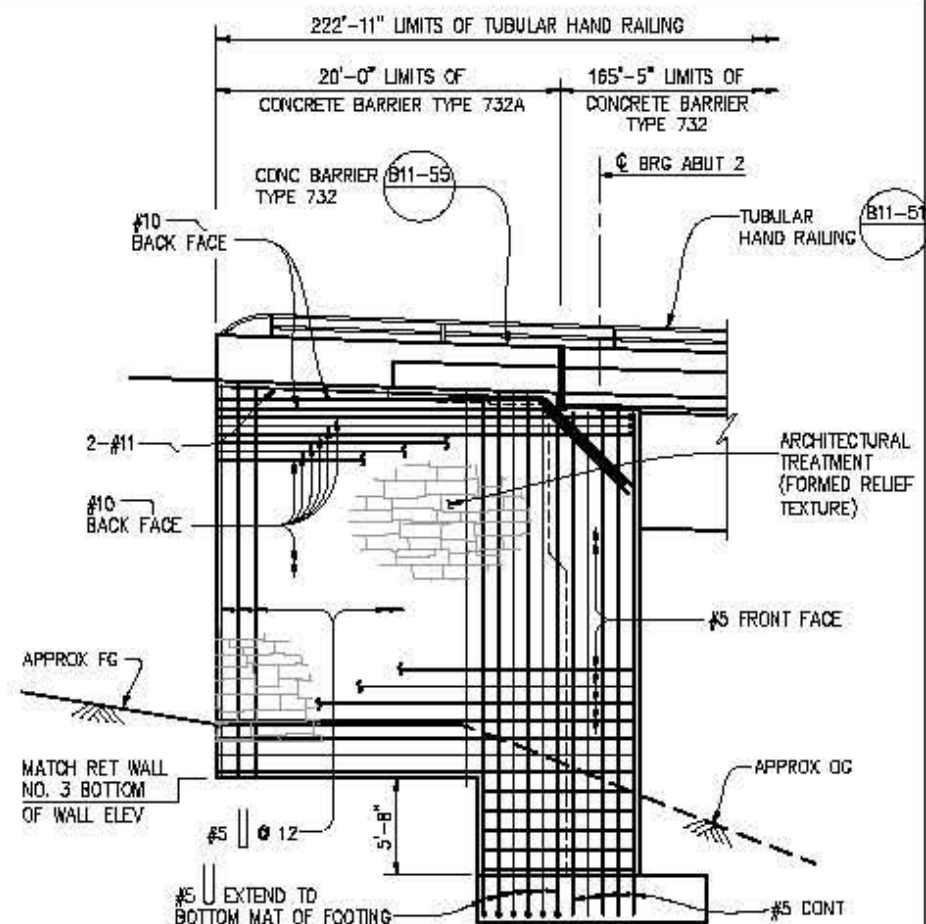


**COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION**

**GREEN VALLEY RD AT WEBER CREEK
BRIDGE REPLACEMENT**

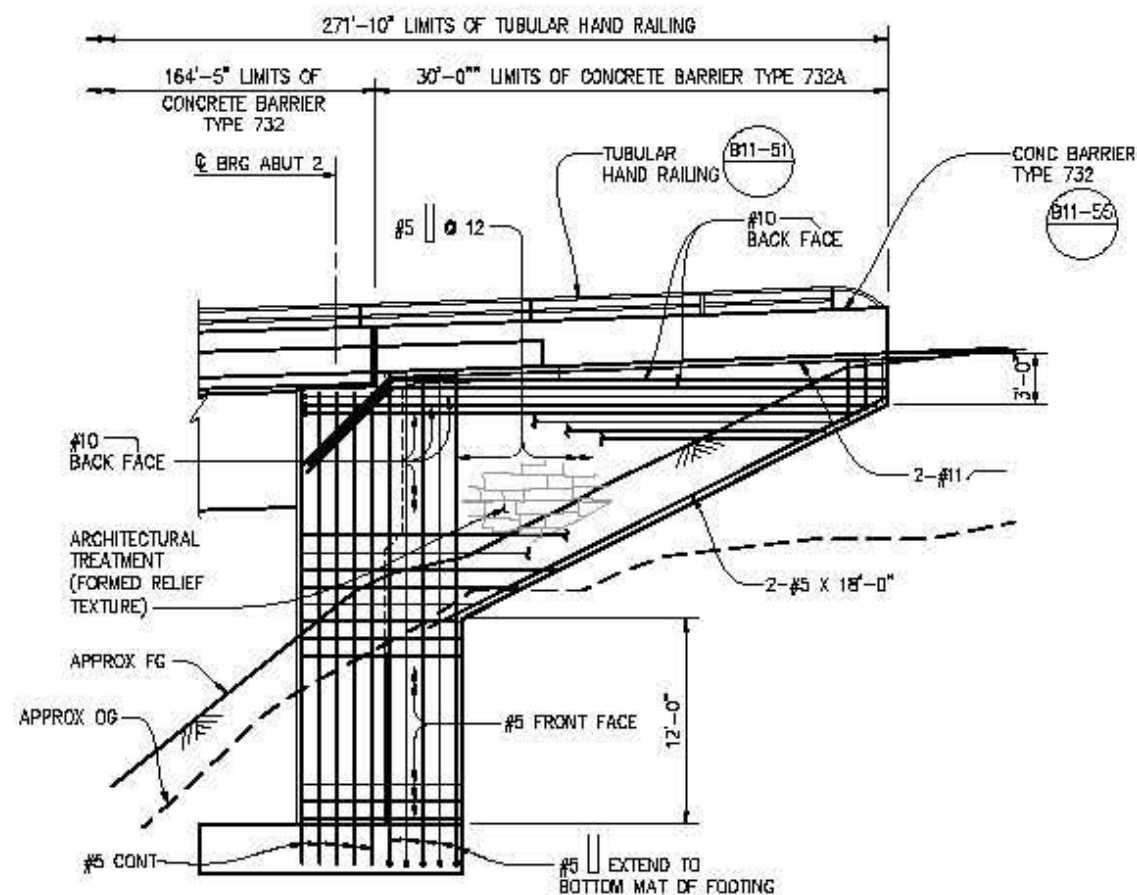
SHEET
S-7
41 OF 78
W.O. No. 77114

ORIGINAL SCALE IS IN INCHES
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 FOR REDUCED PLANS



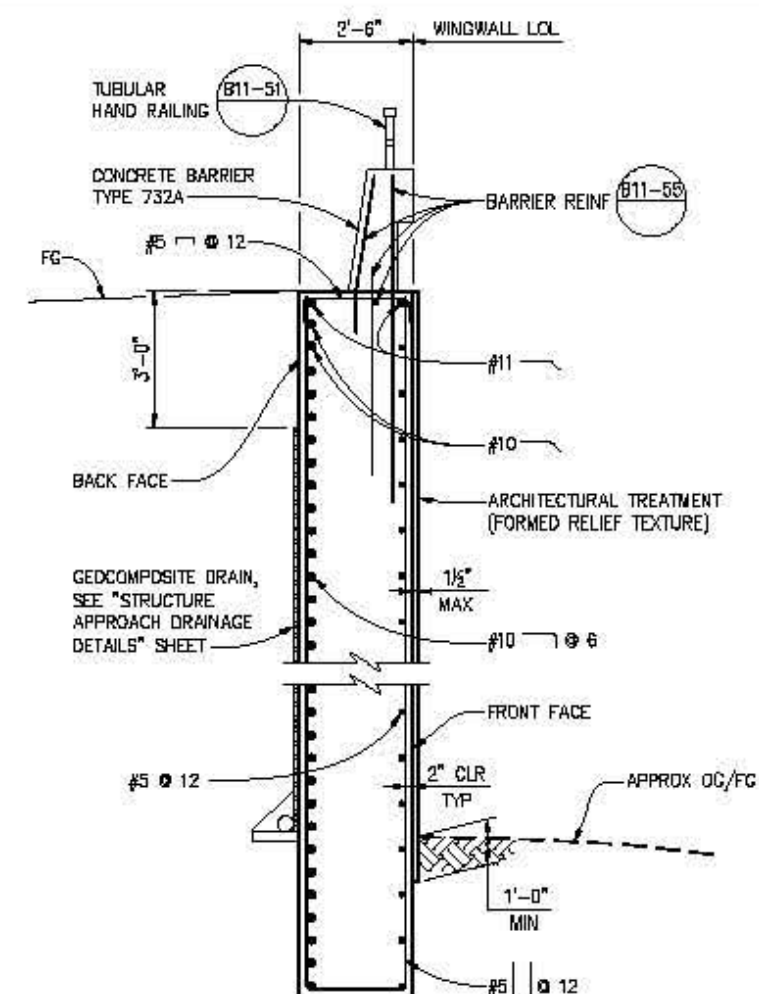
ABUTMENT 2 NORTH WINGWALL ELEVATION

SCALE: 3/16" = 1'-0"



ABUTMENT 2 SOUTH WINGWALL ELEVATION

SCALE: 3/16" = 1'-0"

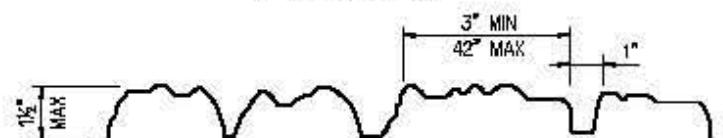


TYPICAL SECTION THRU WINGWALL

SCALE: 1/2" = 1'-0"



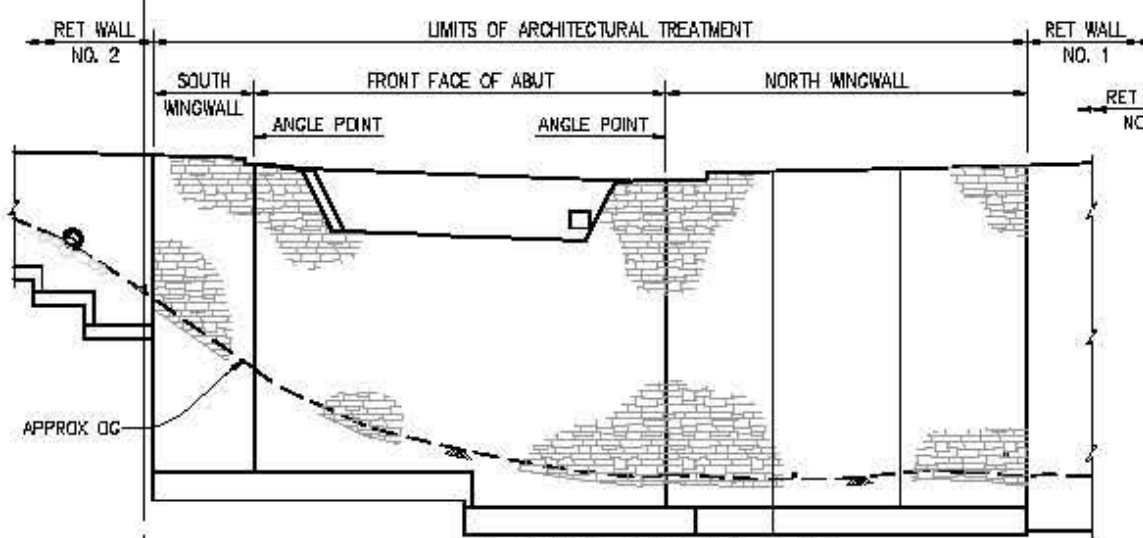
ELEVATION



SECTION A-A

**ARCHITECTURAL TREATMENT DETAIL
(FORMED RELIEF TEXTURE)**

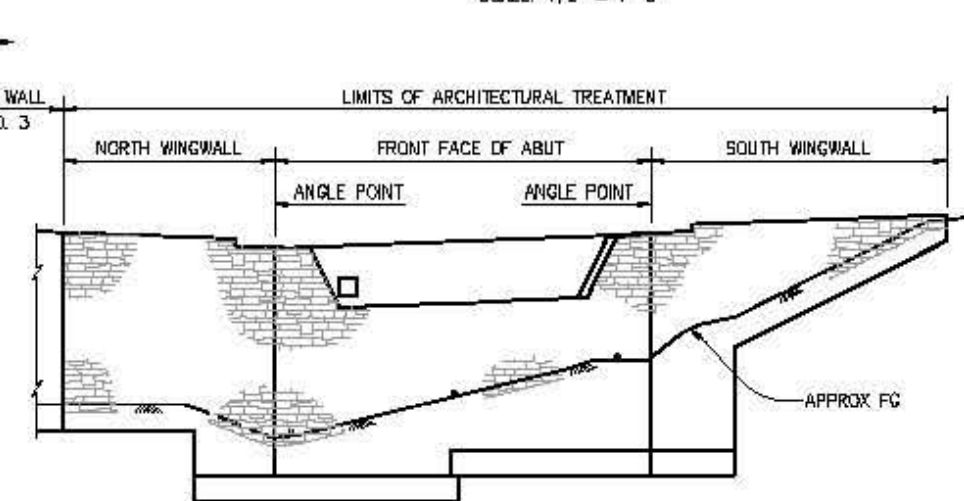
NO SCALE



ABUTMENT 1 DEVELOPED ELEVATION

LIMITS OF ARCHITECTURAL TREATMENT

NO SCALE



ABUTMENT 2 DEVELOPED ELEVATION

**WEBER CREEK BRIDGE
ABUTMENT DETAILS NO. 3
SCALE: AS SHOWN**



PREPARED UNDER THE SUPERVISION OF:

Titus Keno
REGISTERED CIVIL ENGINEER

DATE: 8/19/14

DESIGNED:	TIC	DRAWN:	JDV
CHECKED:	SP	DATE:	7/31/12
ROAD NUMBER:	002		

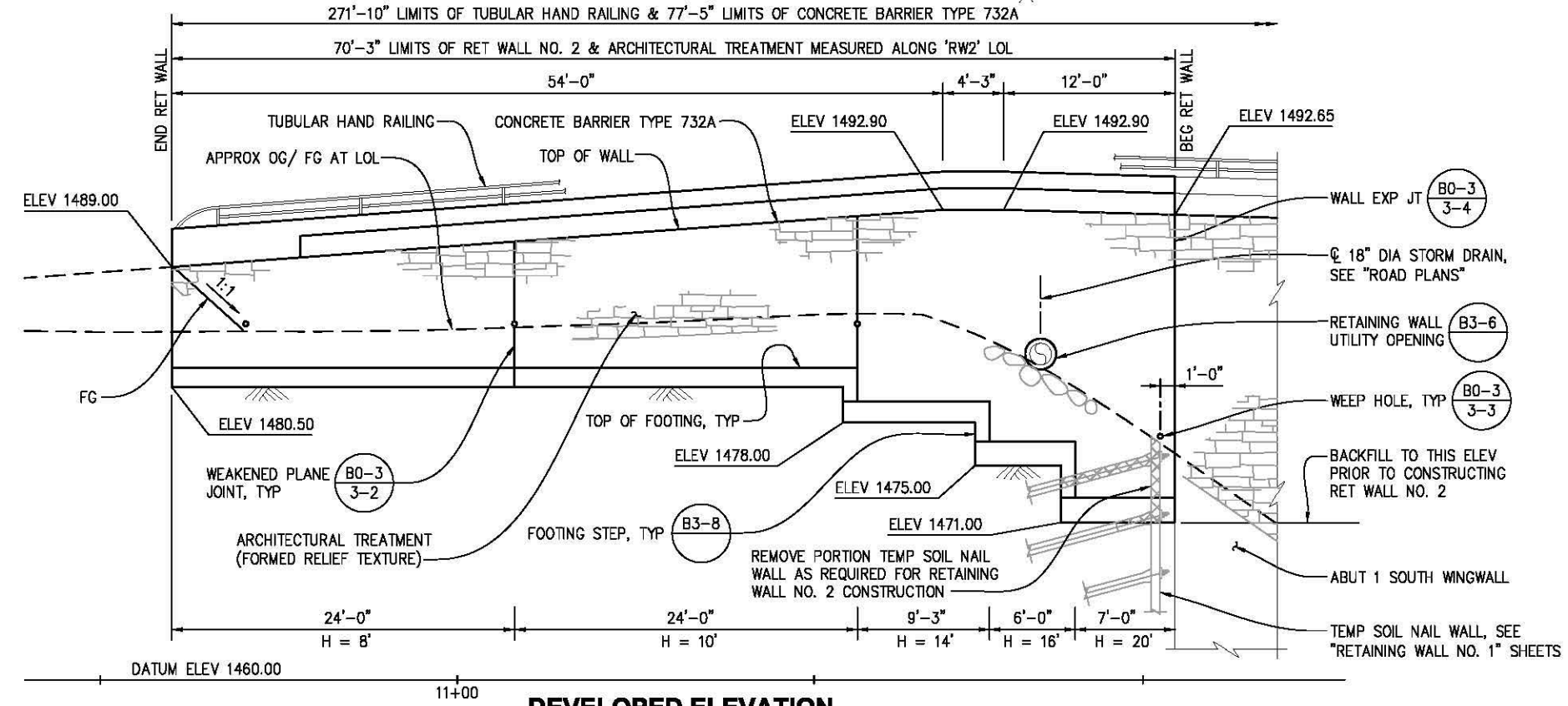
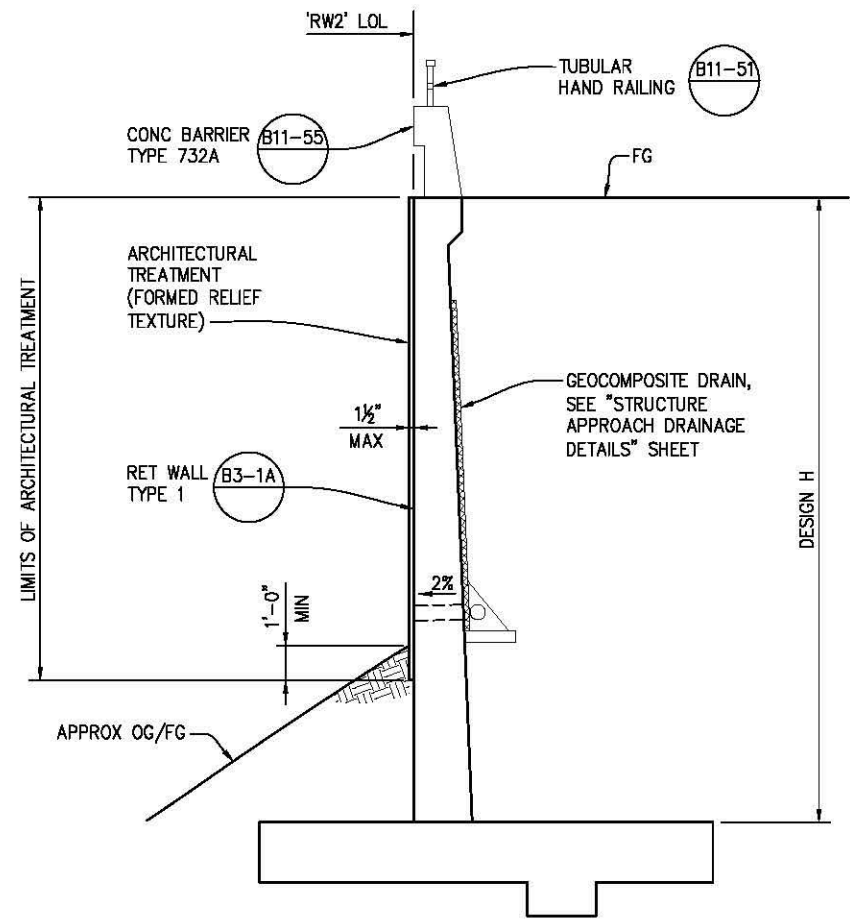
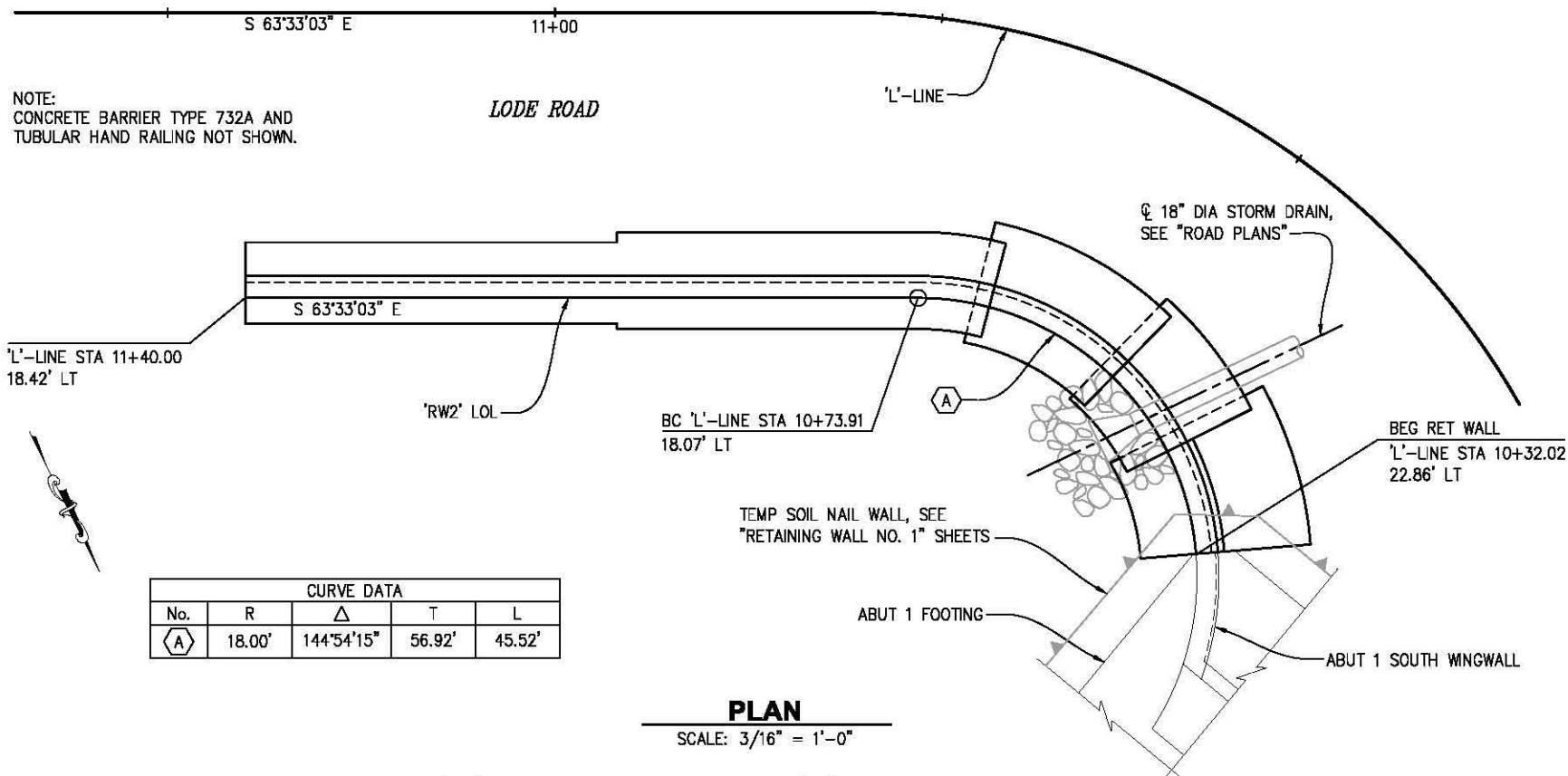


**COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION**

**GREEN VALLEY RD AT WEBER CREEK
BRIDGE REPLACEMENT**

SHEET	8-8
42 OF 78	
FIG. No.	77114

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
Drawing name: C:\pwworking\src\lms9384\S-09.dwg Layout Tab Layout1 Aug 19, 2014 - 6:55pm jvaught



LEGEND:

INDICATES TEMP SOIL NAIL WALL REMOVAL (PORTION)

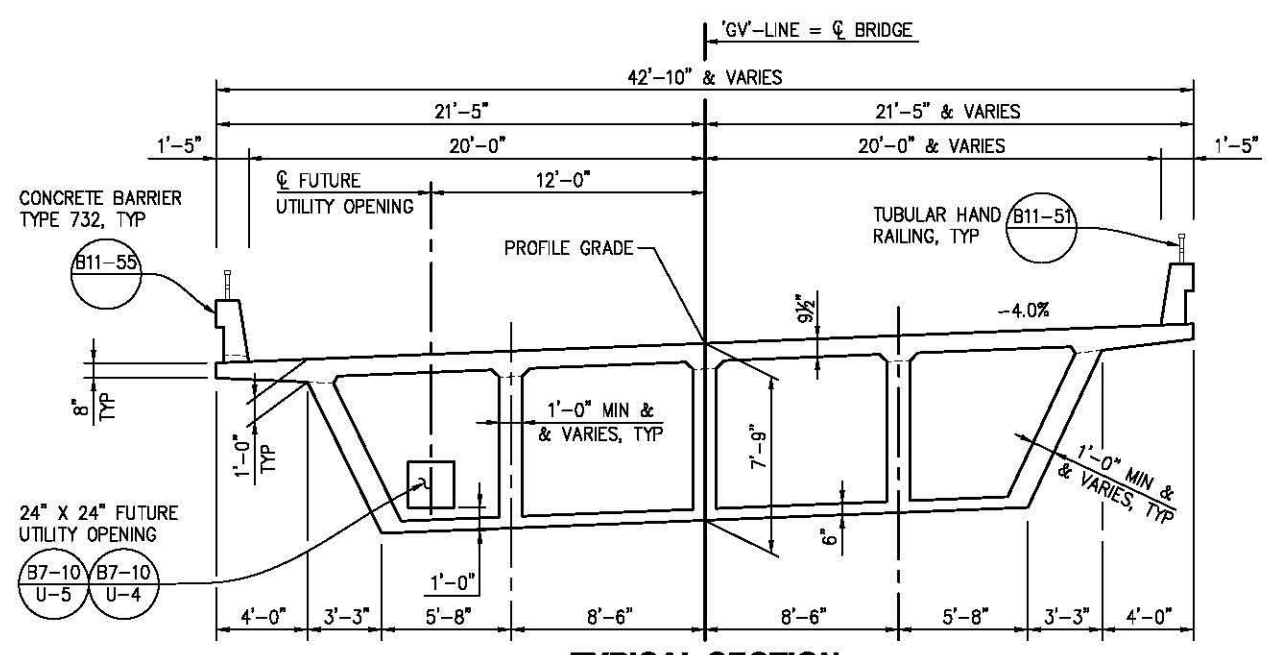
**WEBER CREEK BRIDGE
RETAINING WALL NO. 2 DETAILS
SCALE : AS SHOWN**

REVISION	DESIGNED: TK	DRAWN: JDV	ROAD NUMBER: 002	COUNTY OF EL DORADO COMMUNITY DEVELOPMENT AGENCY TRANSPORTATION DIVISION	GREEN VALLEY RD AT WEBER CREEK BRIDGE REPLACEMENT	SHEET S-9 43 OF 78 W.O. No. 77114
	CHECKED: SP	DATE: 7/31/12				
NUMBER	DATE	DESCRIPTION	BY			

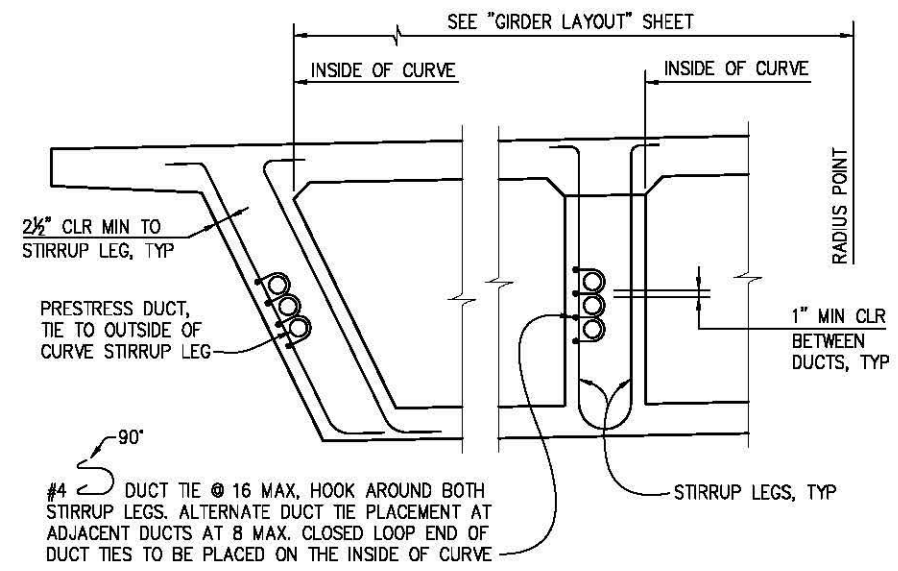
REGISTERED PROFESSIONAL ENGINEER
TITUS KENG
No. 45226
Exp. 9-30-14
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE SUPERVISION OF:
Titus Keng
REGISTERED CIVIL ENGINEER
DATE: 8/19/14

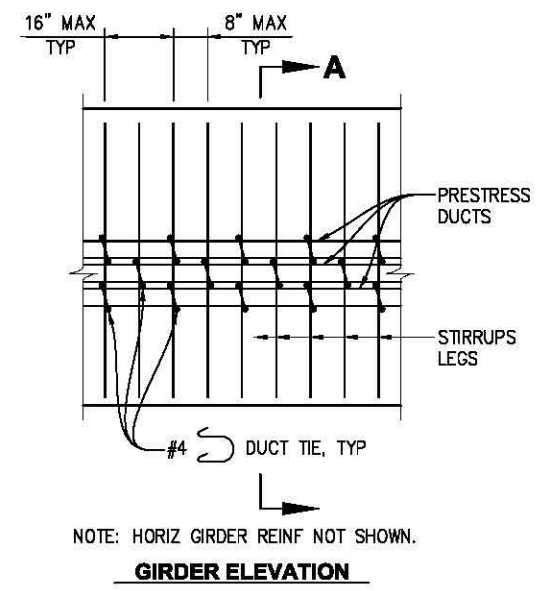
FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
Drawing name: C:\pwworking\src\dm99384\S-10.dwg Layout Tab Layout1 Aug 19, 2014 - 6:57am jought



TYPICAL SECTION
SCALE: 1/4" = 1'-0"

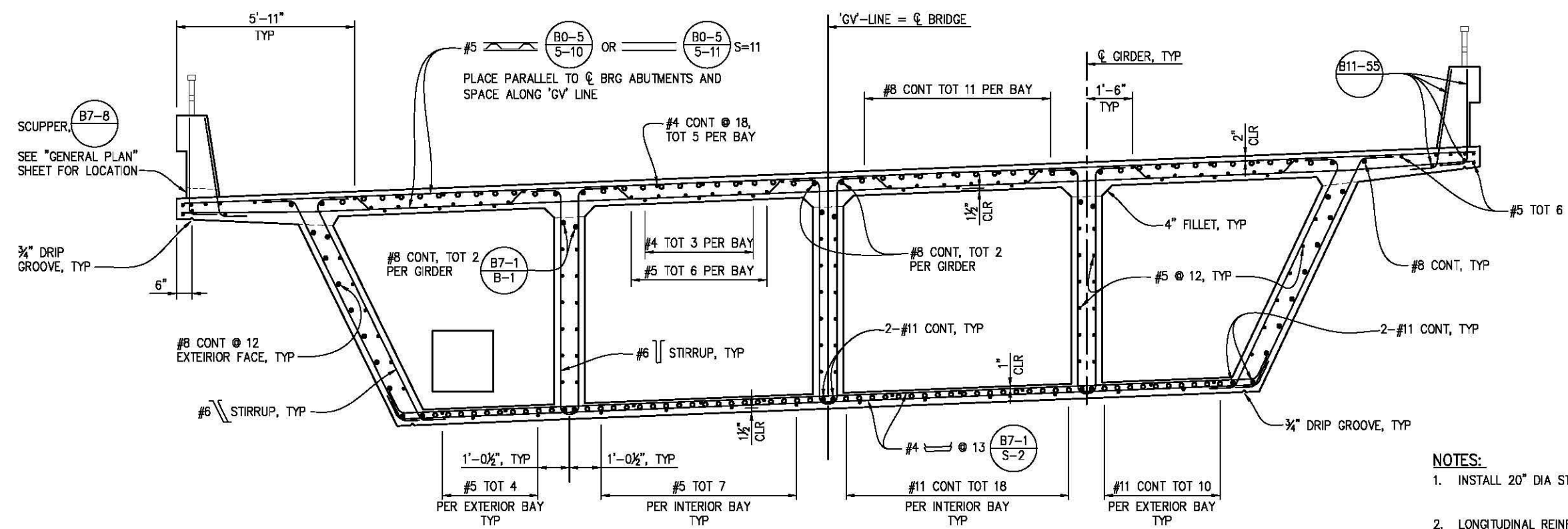


PRESTRESS DUCT ARRANGEMENT AT HORIZONTAL CURVED GIRDERS



GIRDER ELEVATION

NO SCALE
B8-5 SUPERSEDES THIS DETAIL AT GIRDER FLARES.



TYPICAL SECTION
SCALE: 1/2" = 1'-0"

- NOTES:**
1. INSTALL 20" DIA STEEL CASING FOR FUTURE UTILITIES PER (B7-10 U-8).
 2. LONGITUDINAL REINFORCEMENT TO MEET SERVICE LEVEL SPLICE REQUIREMENTS.

**WEBER CREEK BRIDGE
TYPICAL SECTION
SCALE : AS SHOWN**

REVISION		DESIGNED: TK		DRAWN: JDV		CHECKED: SP		DATE: 7/31/12		ROAD NUMBER: 002	
NUMBER		DATE		DESCRIPTION		BY		DATE		DATE	
1		8/19/14		TITUS KENG		No. 45226		Exp. 9-30-14		CIVIL	
2		8/19/14		TITUS KENG		No. 45226		Exp. 9-30-14		CIVIL	
3		8/19/14		TITUS KENG		No. 45226		Exp. 9-30-14		CIVIL	
4		8/19/14		TITUS KENG		No. 45226		Exp. 9-30-14		CIVIL	
5		8/19/14		TITUS KENG		No. 45226		Exp. 9-30-14		CIVIL	
6		8/19/14		TITUS KENG		No. 45226		Exp. 9-30-14		CIVIL	
7		8/19/14		TITUS KENG		No. 45226		Exp. 9-30-14		CIVIL	
8		8/19/14		TITUS KENG		No. 45226		Exp. 9-30-14		CIVIL	
9		8/19/14		TITUS KENG		No. 45226		Exp. 9-30-14		CIVIL	
10		8/19/14		TITUS KENG		No. 45226		Exp. 9-30-14		CIVIL	

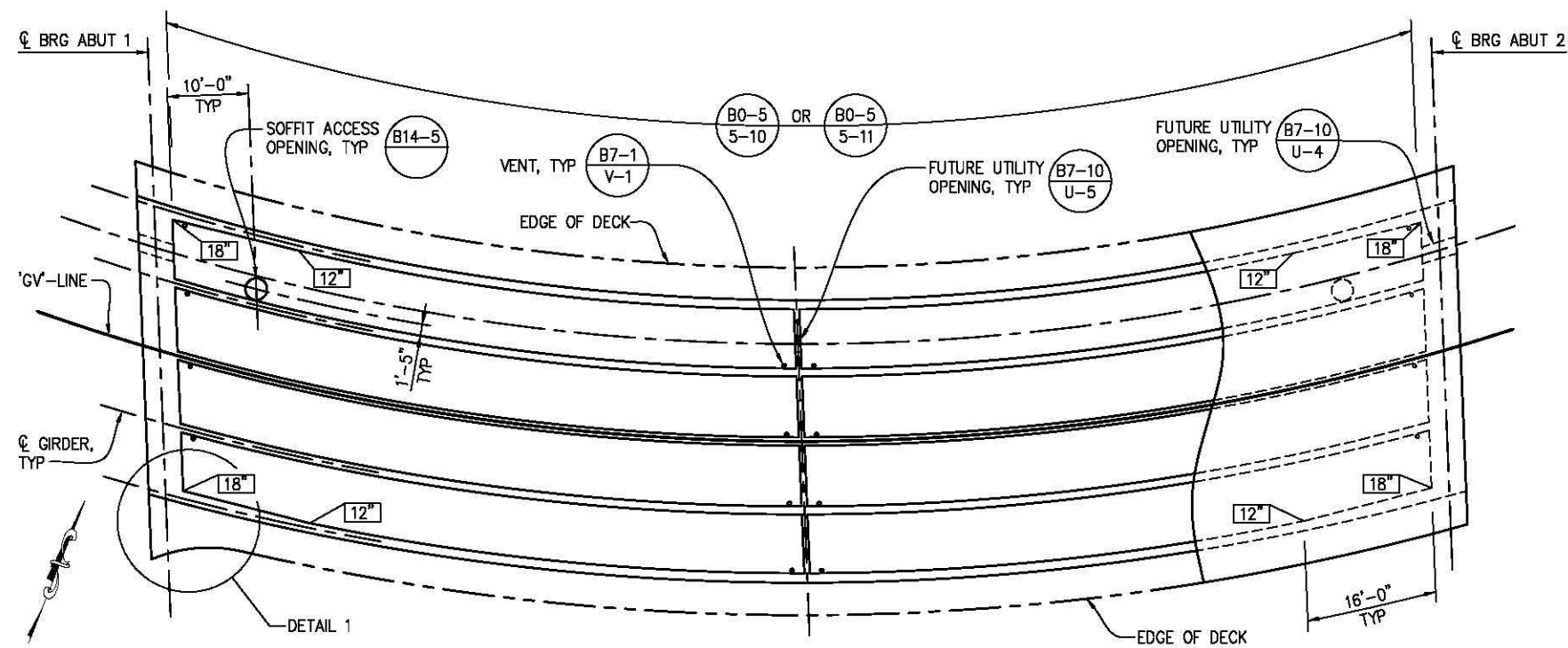
PREPARED UNDER THE SUPERVISION OF: **TITUS KENG**
REGISTERED CIVIL ENGINEER
DATE: 8/19/14

COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION

GREEN VALLEY RD AT WEBER CREEK
BRIDGE REPLACEMENT

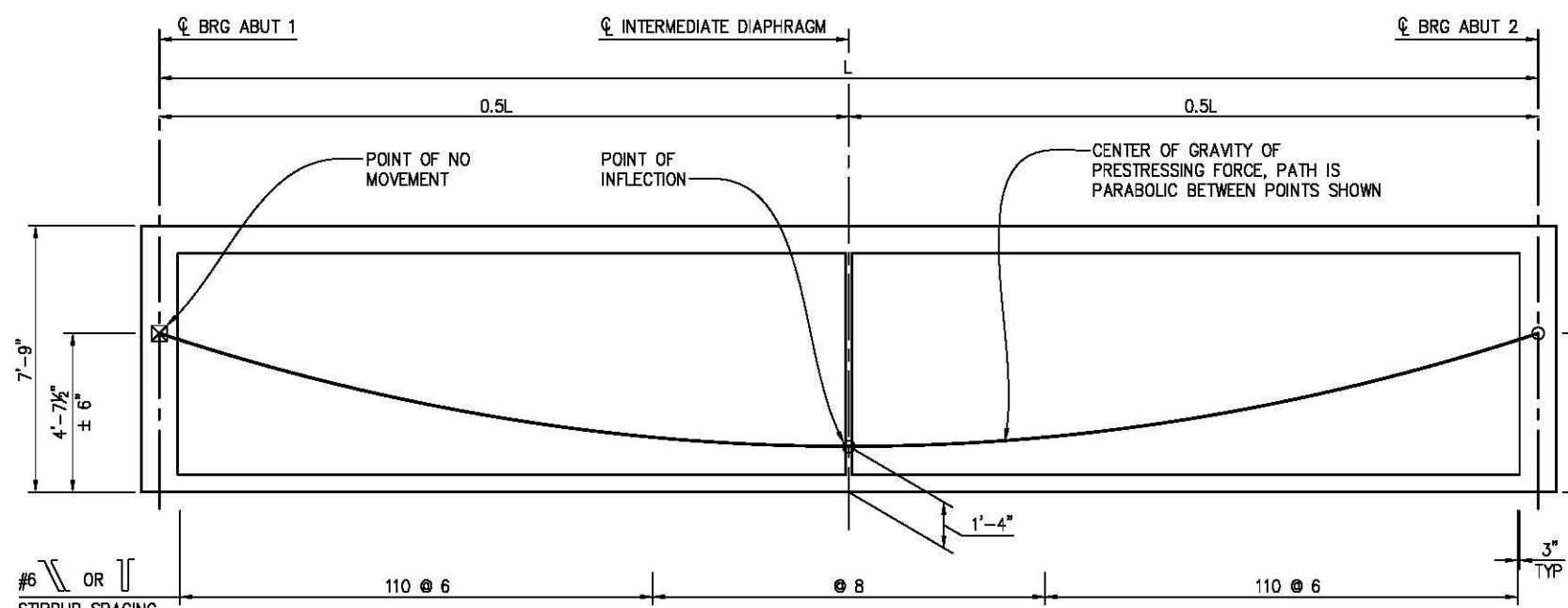
SHEET
S-10
44 OF 78
W.O. No. 77114

ORIGINAL SCALE IS IN INCHES
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FOR REDUCED PLANS

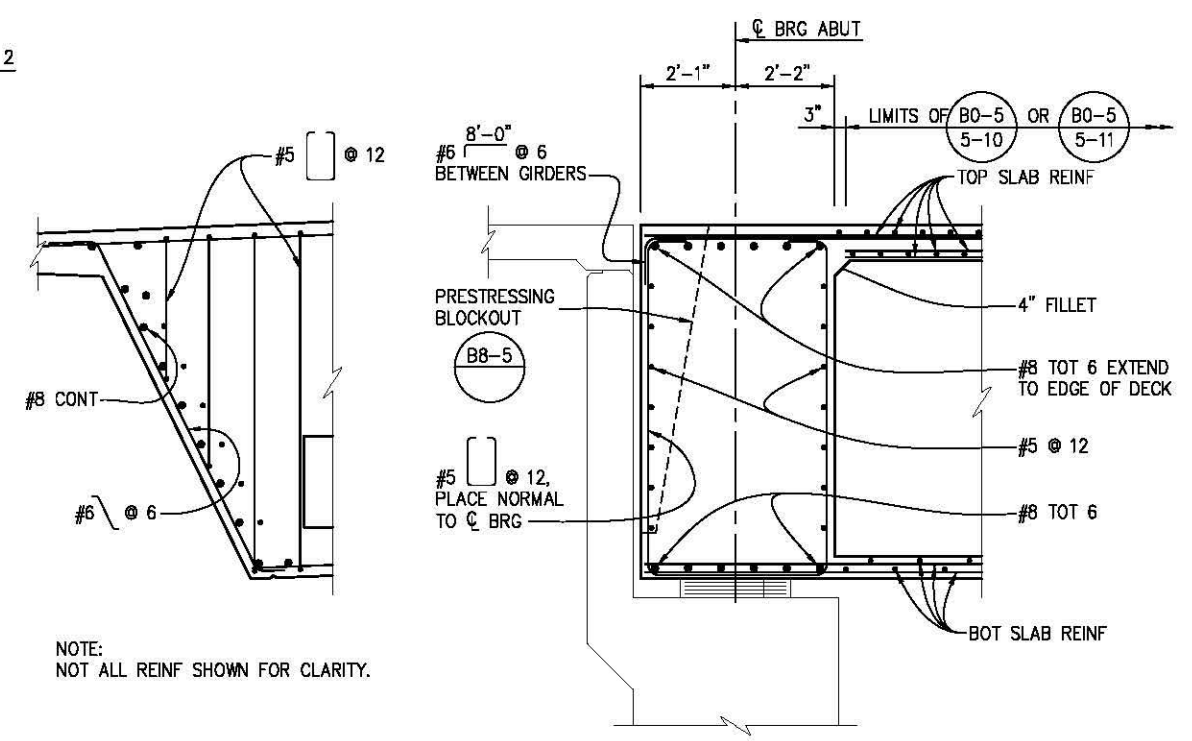


LEGEND:
[Symbol] INDICATES GIRDER FLARE WIDTH (B7-1 S-3)

GIRDER LAYOUT
SCALE: 1"=10'
(B8-5)

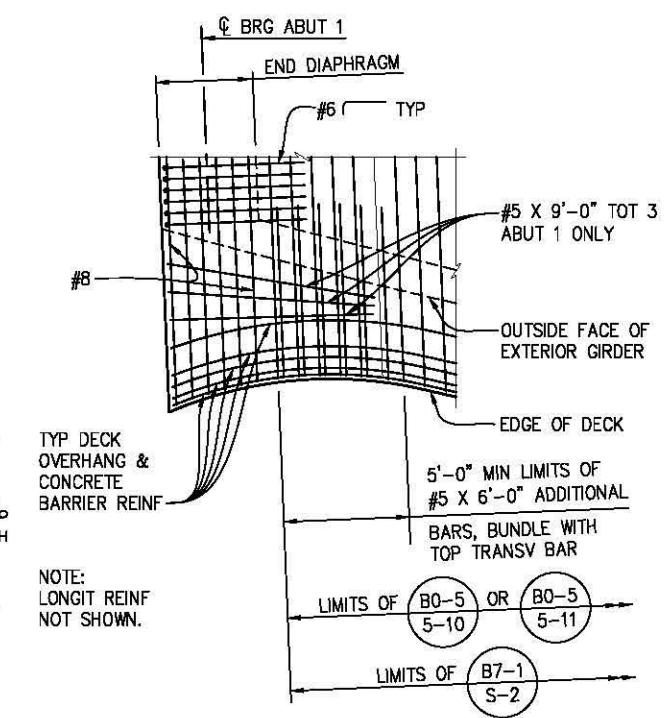


LONGITUDINAL SECTION
SCALE: 1"=10'
(B0-5 B7-1 B8-5)



PARTIAL LONGITUDINAL SECTION THRU END DIAPHRAGM
SCALE: 1/2"=1'-0"

END DIAPHRAGM SECTION
SCALE: 1/2"=1'-0"



NOTE: SW CORNER SHOWN, OTHER CORNERS SIMILAR.

DETAIL 1
SCALE: 1/4"=1'-0"

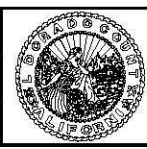
PRESTRESSING NOTES:
270 KSI LOW RELAXATION STRAND:
PJACK = 14500 KIPS
ANCHOR SET = 3/8"
TOTAL NUMBERS OF GIRDERS = 5
DISTRIBUTION OF PRESTRESS FORCE (PJACK) BETWEEN GIRDERS SHALL NOT EXCEED THE RATIO OF 3:2. MAXIMUM FINAL FORCE VARIATION BETWEEN GIRDERS SHALL NOT EXCEED 725 KIPS.
CONCRETE: f'c = 4000 PSI @ 28 DAYS
f'ci = 3500 PSI @ TIME OF STRESSING
CONTRACTOR SHALL SUBMIT ELONGATION CALCULATIONS BASED ON INITIAL STRESS AT POINT OF NO MOVEMENT AT $\mu = 0.882$ TIMES JACKING STRESS. ONE END-STRESSING SHALL BE PERFORMED FROM ABUTMENT 2. DESIGN IS BASED ON $\mu = 0.15$ AND $K = 0.0002$.

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
Titus Keng
REGISTERED CIVIL ENGINEER
DATE: 8/19/14

DESIGNED: TK
CHECKED: SP
DRAWN: JDV
DATE: 7/31/12
ROAD NUMBER: 002

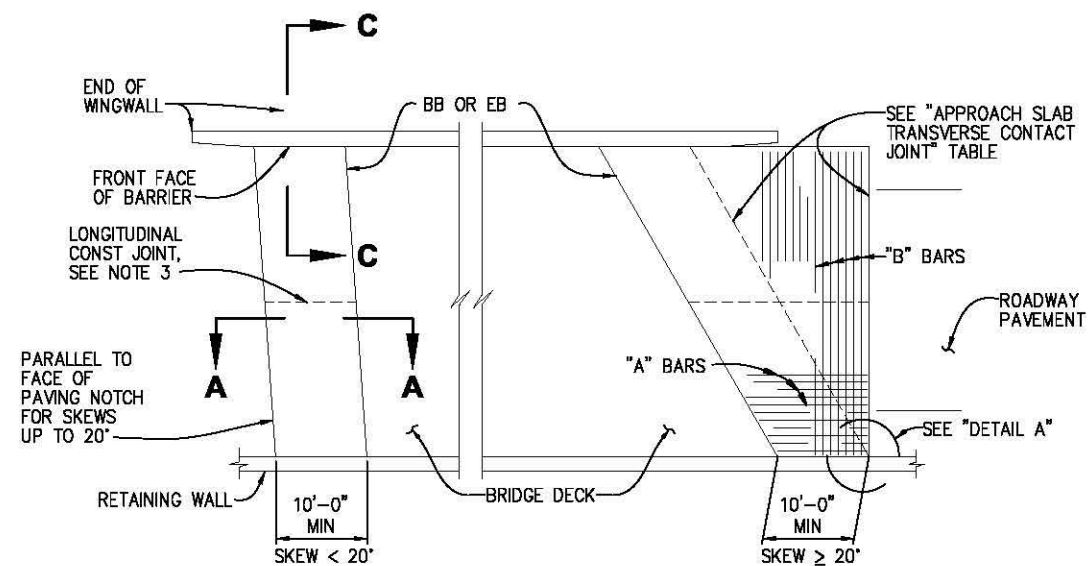


**COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION**

**WEBER CREEK BRIDGE
GIRDER LAYOUT
SCALE: AS SHOWN**

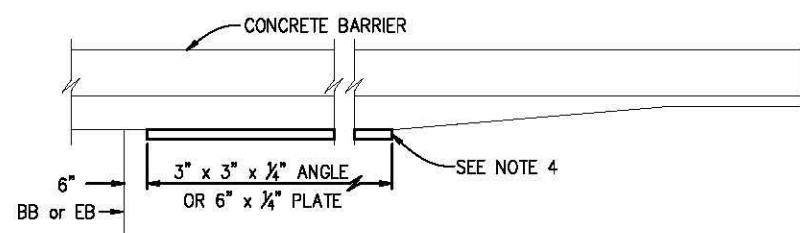
**GREEN VALLEY RD AT WEBER CREEK
BRIDGE REPLACEMENT**

SHEET
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45 OF 78
W.O. No. **77114**



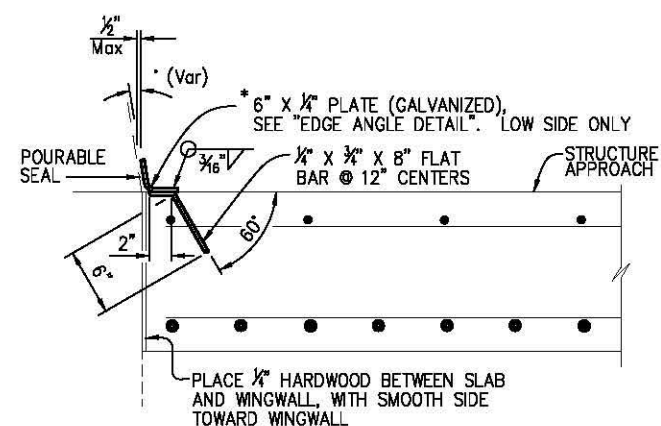
PLAN

SCALE: 1" = 10'



EDGE ANGLE DETAIL

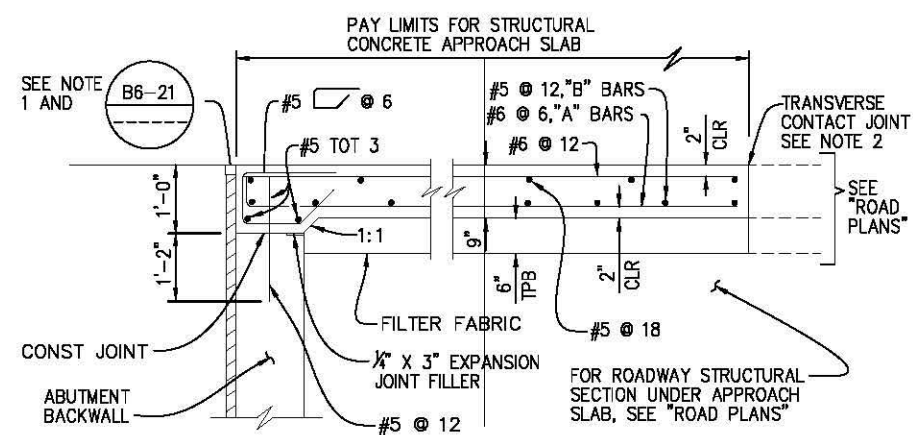
SCALE: 1/2" = 1'-0"



* (TO BE USED WITH CONCRETE BARRIER
WITH SLOPING FACE)

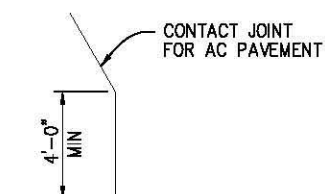
DETAIL B

SCALE: 1 1/2" = 1'-0"

 $MR \leq 2''$

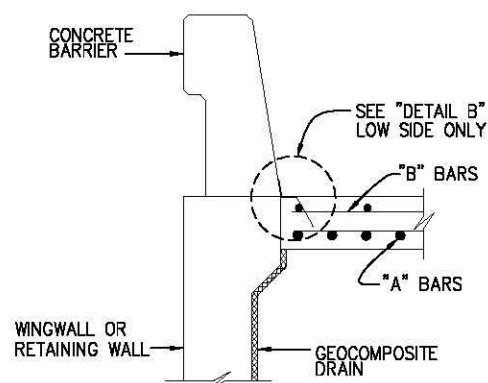
SEAT TYPE ABUTMENT SECTION A-A

SCALE: $\frac{3}{4}" = 1'-0"$



DETAIL A

NO SCALE



SECTION C-C

SCALE: $3/4" = 1'-0"$

NOTES:

1. FOR DETAILS NOT NOTED OR SHOWN, SEE STRUCTURE PLANS. ADJUST BAR REINFORCING TO CLEAR A SAWCUT FOR SEALED JOINT, WHEN REQUIRED.
2. FOR TRANSVERSE CONTACT JOINT WITH NEW PCC PAVING, REFER TO STANDARD PLAN P10.
3. LONGITUDINAL CONSTRUCTION JOINTS, WHEN PERMITTED BY THE ENGINEER, SHALL BE LOCATED ON LANE LINES.
4. END ANGLE OR PLATE AT BEGINNING OF BARRIER TRANSITION, END OF WINGWALL OR END OF STRUCTURE APPROACH AS APPLICABLE.
5. AT THE CONTRACTOR'S OPTION, APPROACH SLAB TRANSVERSE REINFORCEMENT MAY BE PLACED PARALLEL TO PAVING NOTCH. SPACING OF TRANSVERSE REINFORCEMENT IS MEASURED ALONG ϕ ROADWAY.
6. FOR DRAINAGE DETAILS, SEE STRUCTURE PLANS.

**WEBER CREEK BRIDGE
STRUCTURE APPROACH TYPE EQ(10)
SCALE : AS SHOWN**

[illegible]

PREPARED UNDER THE SUPERVISION OF :

REGISTERED CIVIL ENGINEER 8/19/14
DATE:

DESIGNED: TK	DRAWN: JDV
CHECKED: SP	DATE: 7/31/12
ROAD NUMBER: 002	

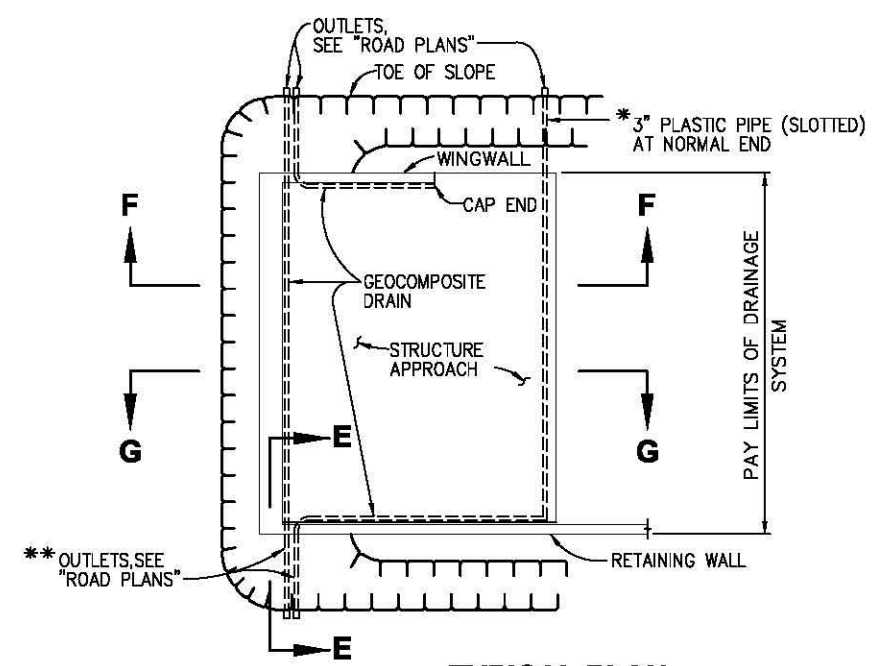


**COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION**

GREEN VALLEY RD AT WEBER CREEK BRIDGE REPLACEMENT

SHEET
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W.O. No. 77114

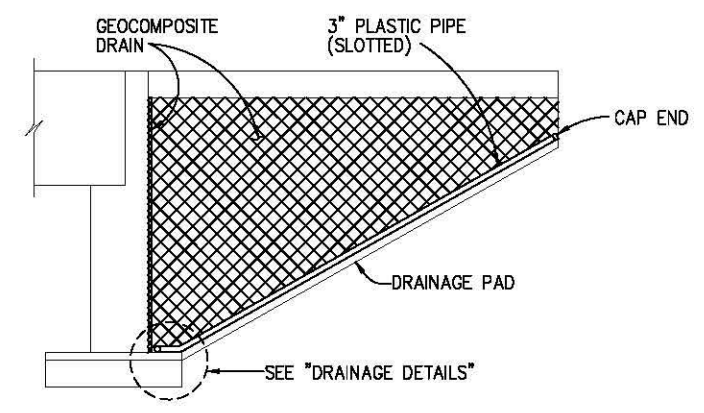
FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
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TYPICAL PLAN

SCALE: 1" = 10'

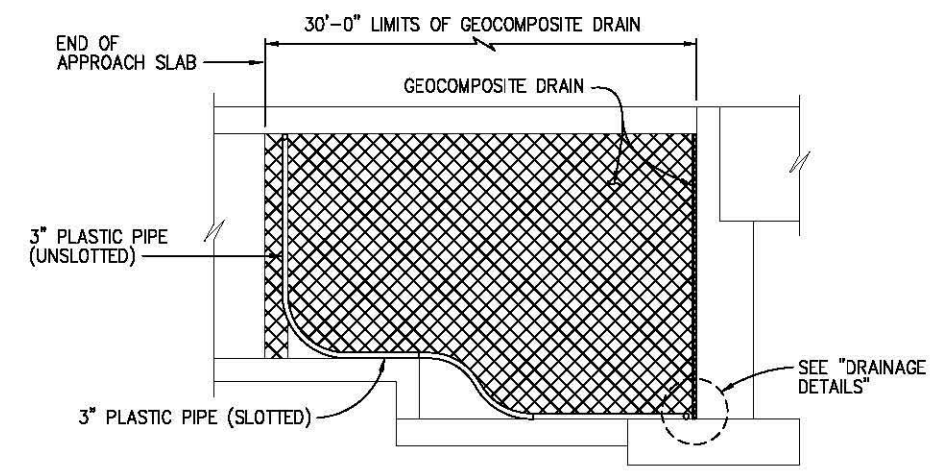
* FOR PIPE LAYOUT AT STAGGERED END, SEE "DETAIL B"



CANTILEVER WINGWALL

SECTION F-F

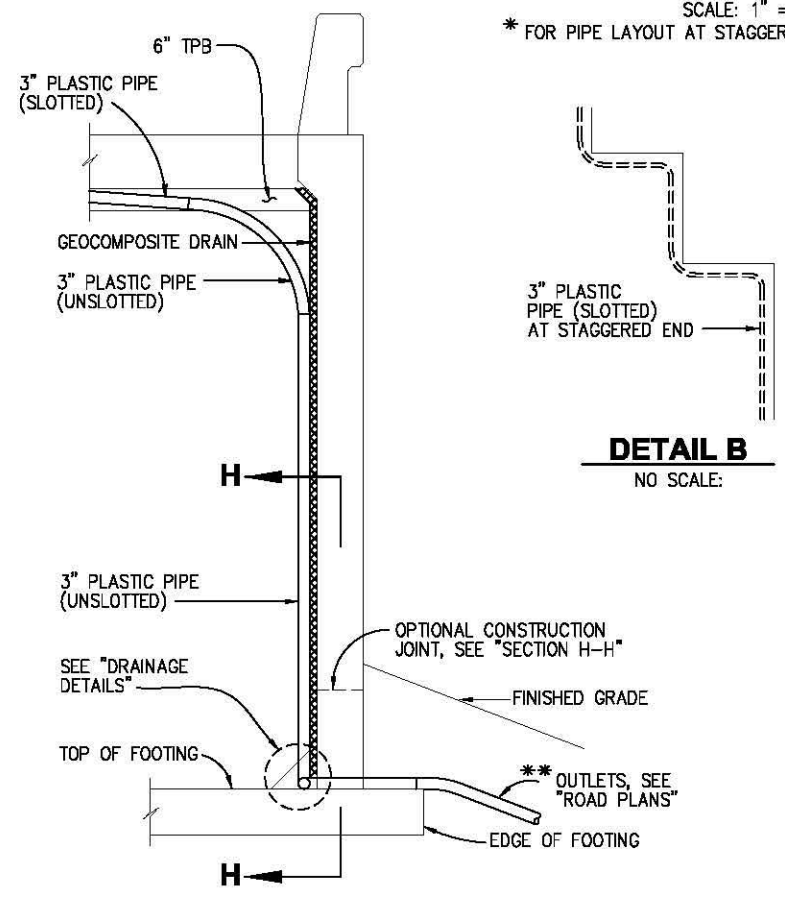
SCALE: 1/4" = 1'-0"



RETAINING WALL WINGWALL DRAINAGE DETAILS

SECTION G-G

SCALE: 1/4" = 1'-0"



SECTION E-E

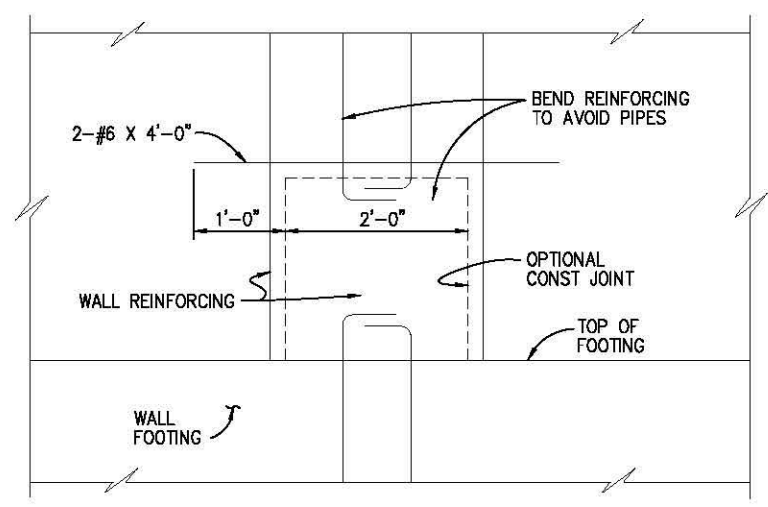
SCALE: 1/2" = 1'-0"

NOTE: BENDS AND JUNCTIONS IN 3" PLASTIC PIPE ARE 30" RADIUS MIN

DETAIL B

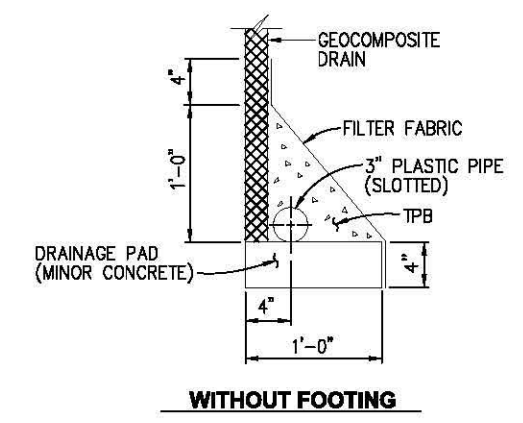
NO SCALE:

** OUTLET PIPES SHALL EXTEND 3" FROM FACE OF CONCRETE WHEN EXITING INTO RSP.

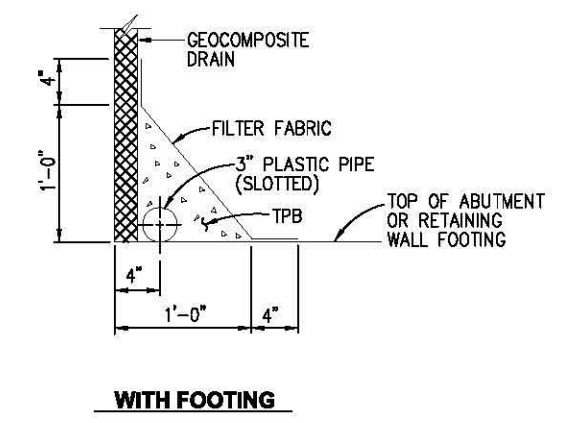


SECTION H-H

SCALE: 1" = 1'-0"



WITHOUT FOOTING



WITH FOOTING

DRAINAGE DETAILS

SCALE: 1/2" = 1'-0"

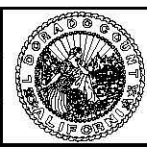
**WEBER CREEK BRIDGE
STRUCTURE APPROACH DRAINAGE DETAILS
SCALE : AS SHOWN**

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF :
Titus Keng
REGISTERED CIVIL ENGINEER
DATE: 8/19/14

DESIGNED: TK
DRAWN: JDV
CHECKED: SP
DATE: 7/31/12
ROAD NUMBER: 002



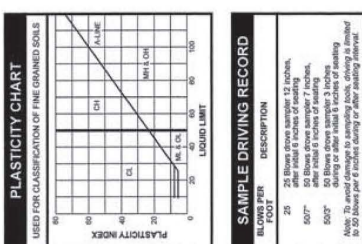
**COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION**

**GREEN VALLEY RD AT WEBER CREEK
BRIDGE REPLACEMENT**

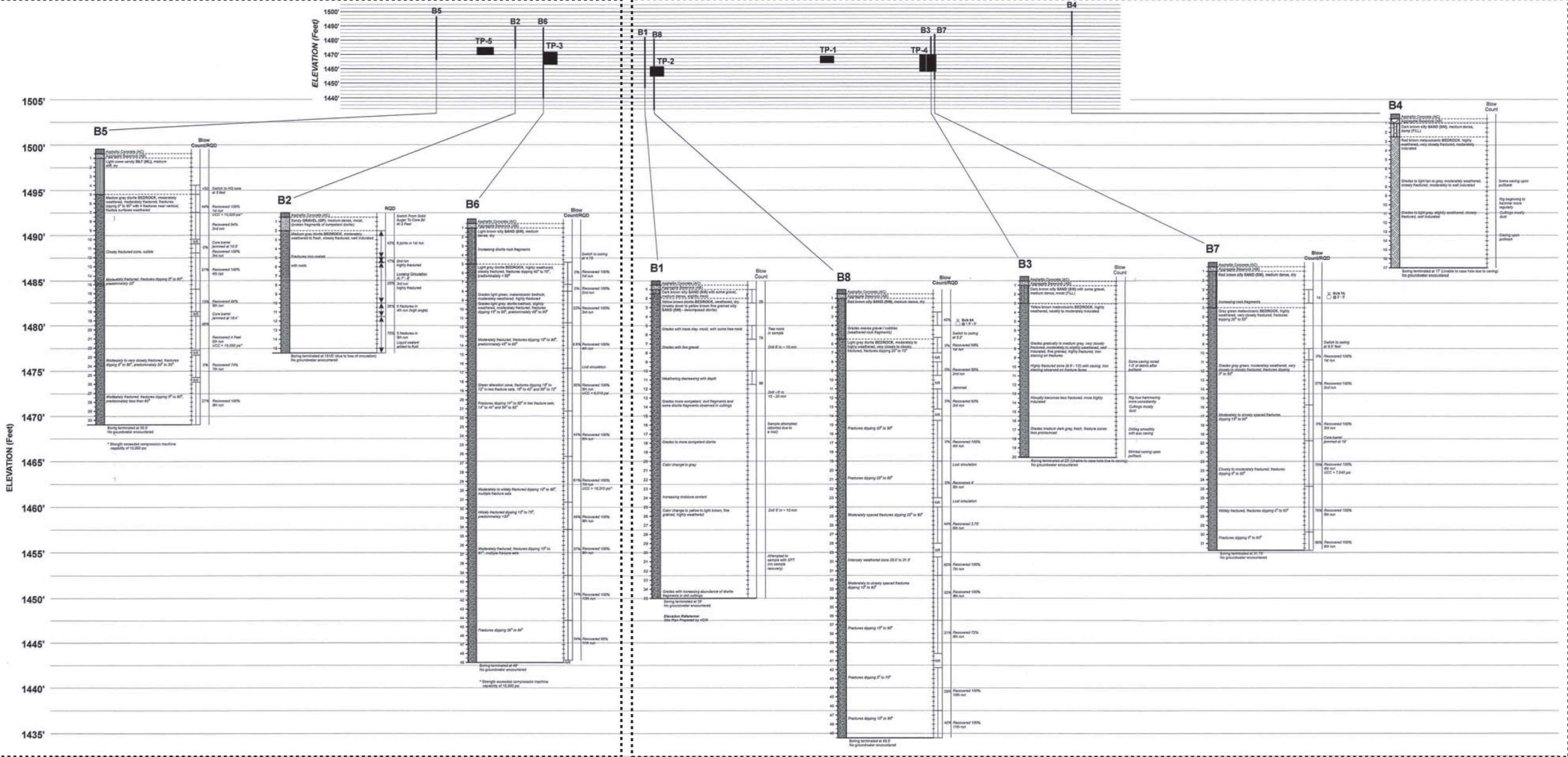
SHEET
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W.O. No. 77114

Note: The boring log indicates subsurface conditions only at the specific location and time noted. Subsurface conditions, including groundwater levels, at other locations of the subject site may differ significantly from conditions which, in the opinion of Youngdahl Consulting Group, Inc., exist at the sampling locations. Note, too, that the passage of time may affect conditions at the sampling locations.

U.S. STANDARD SIZE									
SOIL GRAIN SIZE									
KEY TO TEST DATA									
Standard Penetration Test									
2.5" O.D. Modified California Sampler									
3" O.D. Modified California Sampler									
Shelby Tube Sampler									
2.5" Hand Driven Lier									
Bulk Sample									
Water Level At Time Of Drilling									
Water Level After Time Of Drilling									
Perched Water									



UNIFIED SOIL CLASSIFICATION SYSTEMS		TYPICAL NAMES	
GW	Coarse Grained, Well-Sorted, Clean, Gravelly	GW	Coarse Grained, Well-Sorted, Clean, Gravelly
GP	Coarse Grained, Poorly Sorted, Gravelly	GP	Coarse Grained, Poorly Sorted, Gravelly
GM	Coarse Grained, Well-Sorted, Silty	GM	Coarse Grained, Well-Sorted, Silty
GC	Coarse Grained, Well-Sorted, Clayey	GC	Coarse Grained, Well-Sorted, Clayey
ML	Medium Grained, Well-Sorted, Silty	ML	Medium Grained, Well-Sorted, Silty
CL	Medium Grained, Well-Sorted, Clayey	CL	Medium Grained, Well-Sorted, Clayey
CH	Medium Grained, Well-Sorted, Clayey	CH	Medium Grained, Well-Sorted, Clayey
OH	Medium Grained, Well-Sorted, Clayey	OH	Medium Grained, Well-Sorted, Clayey
PT	Medium Grained, Well-Sorted, Clayey	PT	Medium Grained, Well-Sorted, Clayey



REVISIONS				PROJECT ENGINEER: Martha McDonnell, P.E.		DATE 10/09	
MARK	DESCRIPTION	DATE	CHKD	DESIGNED BY: Scott Youngdahl		10/09	
Δ				DRAWN BY:			
Δ				CHECKED BY:			

YOUNGDAHL
CONSULTING GROUP, INC.
GEOTECHNICAL • ENVIRONMENTAL • MATERIALS TESTING

Project No.: E08307.001
October 2009

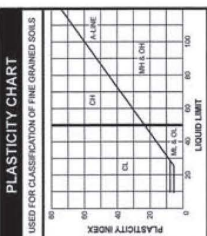
GREEN VALLEY ROAD AT WEBER BRIDGE
EXPLORATORY BORING LOG
Green Valley Road At Weber Bridge
El Dorado County, California

S-14
SHEET 48 OF 78

SOIL GRAIN SIZE									
U.S. STANDARD SIEVE	6"	3"	4	10	40	200			
ROUNDER	COBBLE	GRAVEL		SAND					
		COARSE	FINE	COARSE	MEDIUM	FINE	SILT	CLAY	
	150	75	19	4.75	2.0	0.425	0.075	0.002	
SOIL GRAIN SIZE IN MILLIMETERS									

KEY TO TEST DATA	
	Standard Penetration test
	2.5' O.D. Modified California Sampler
	3' O.D. Modified California Sampler
	Shelby Tube Sampler
	2.5' Hand Driven Lamer
	Bulk Sample
	Water Level At Time Of Drilling
	Water Level After Time Of Drilling
	Perched Water

KEY TO TEST DATA	
q_1	Water Seepage
	Moisture Density Test
NPVE	No Free Water Encountered
REF	Reference Material
DD	Sampling Refusal
MC	Dry Density (pcf)
MI	Moisture Content (%)
PI	Plasticity Index
PP	Pocket Penetrometer
UCC	Unclassified Compression
UC	Unified Compression (ASTM D2166)
EI	Expansion Index (ASTM D4529)



SAMPLE DRIVING RECORD	
BILGINS PER FOOT	DESCRIPTION
25	25 Bilgins drove sampler 12 inches, after initial 6 inches of seating
50/7"	50 Bilgins drove sampler 7 inches, after initial 6 inches of seating
50/3"	50 Bilgins drove sampler 3 inches during or after initial 6 inches of seating

Note: The wrecked damages to sampling tools, driving is limited to 50 bilgins per 6 inches during or after seating interval.

[illegible]

REVISIONS				DATE
MARK	DESCRIPTION	DATE	CHKD	
△				PROJECT ENGINEER: <u>Martha McDonnell, P.E.</u> 10/09
△				DESIGNED BY: _____ --/--
△				DRAWN BY: <u>Scott Youngdahl</u> 10/09
△				CHECKED BY: _____ --/--



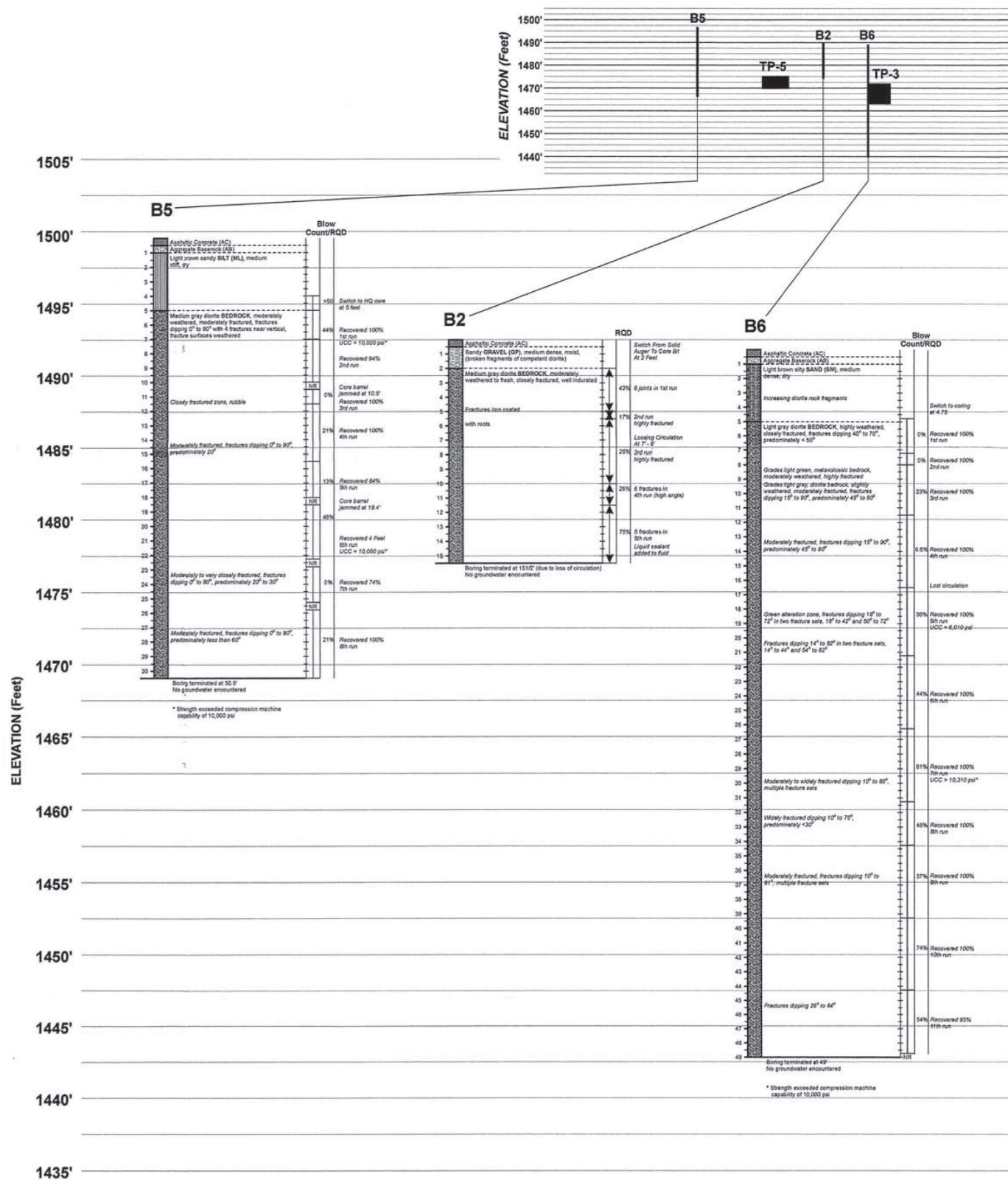
YOUNGDAHL
CONSULTING GROUP, INC.
GEOTECHNICAL • ENVIRONMENTAL • MATERIALS TESTING

Project No.:
E08307.001

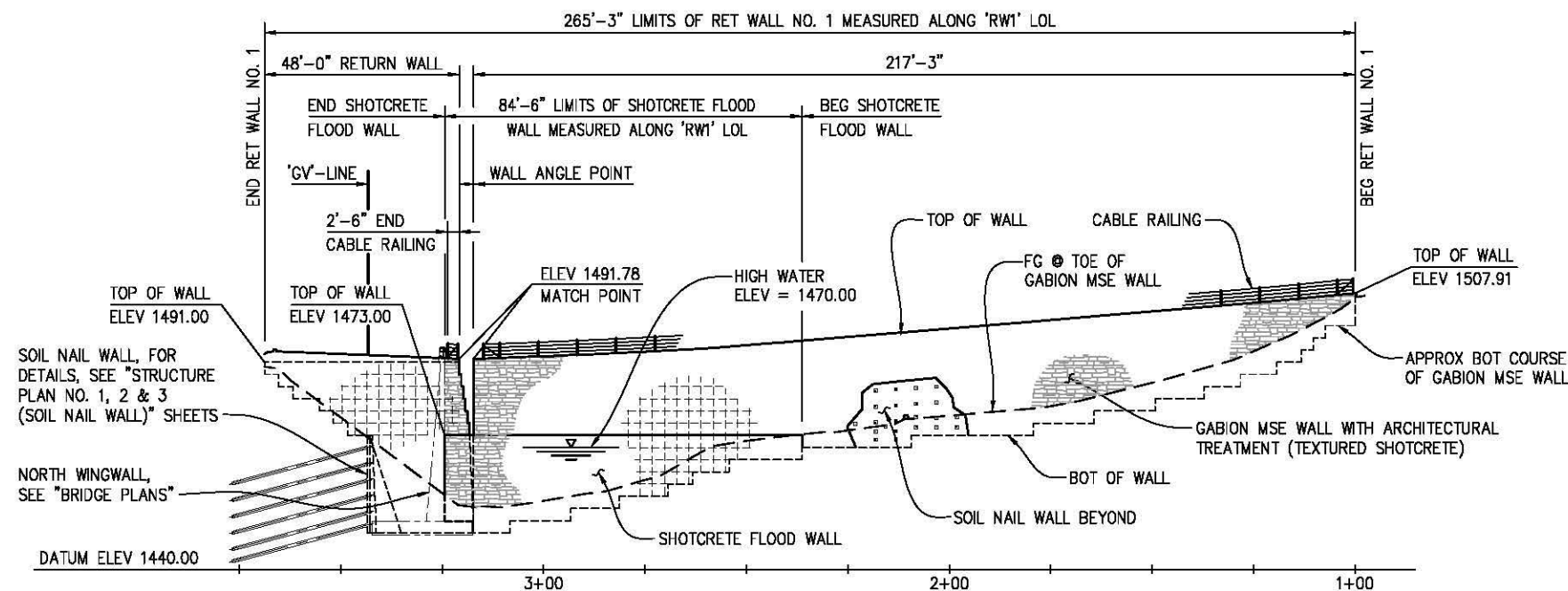
October 2009

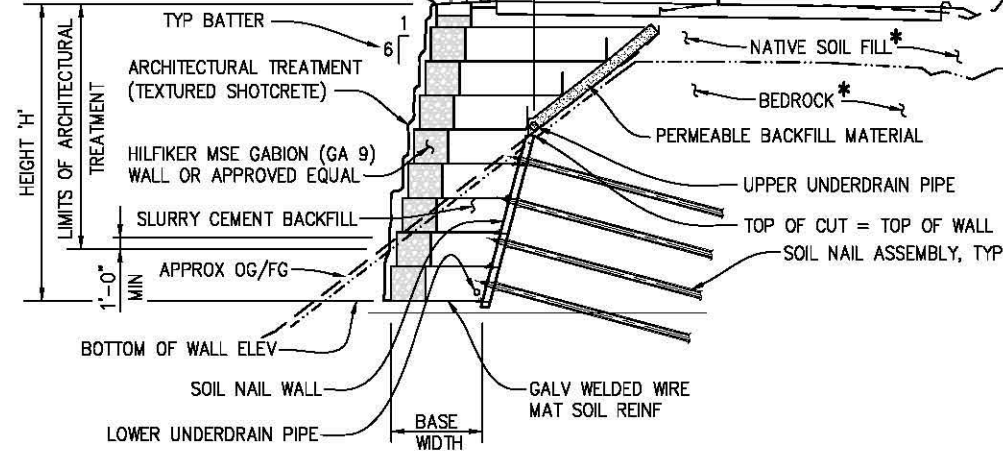
GREEN VALLEY ROAD AT WEBER BRIDGE
EXPLORATORY BORING LOG
 Green Valley Road At Weber Bridge
 El Dorado County, California

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SHEET
49
OF
78



[illegible]





SCALE: 1/8"=1'-0"

- ROCK EXCAVATION (CONTROLLED BLASTING)
- STRUCTURE EXCAVATION (SOIL NAIL WALL)
- EARTH RETAINING STRUCTURE (GABION MSE WALL)
- SOIL NAIL ASSEMBLY (#8 NAILS)
- SOIL NAIL ASSEMBLY (#10 NAILS)
- DRILL AND BOND DOWEL
- BAR REINFORCING STEEL (RETAINING WALL)
- SHOTCRETE
- ARCHITECTUREAL TREATMENT (SCULPTED SHOTCRETE)
- PREPARE AND STAIN CONCRETE
- MINOR CONCRETE (CONCRETE APRON)
- MISCELLANEOUS METAL (RETAINING WALL)
- CABLE RAILING

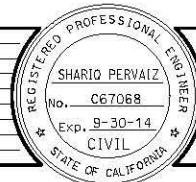
TEMPORARY WALL: 21 KIPS

MATERIAL	UNIT WEIGHT (pcf)	FRICTION ANGLE Degree	COHESION (psf)	DESIGN PULL OUT RESISTANCE (Kips/Lft) (Qd)
NATIVE SOIL FILL	125	24	0	8.5
BEDROCK	145	38	0	20

MATERIAL	UNIT WEIGHT (pcf)	FRICTION ANGLE Degree	COHESION (psf)	DESIGN PULL OUT RESISTANCE (Kips/Lft) (Qd)
NATIVE SOIL FILL	125	24	0	8.5
BEDROCK	145	38	0	20

SHEET
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D. No. **77114**

REVISION				
NUMBER	DATE	DESCRIPTION	BY	



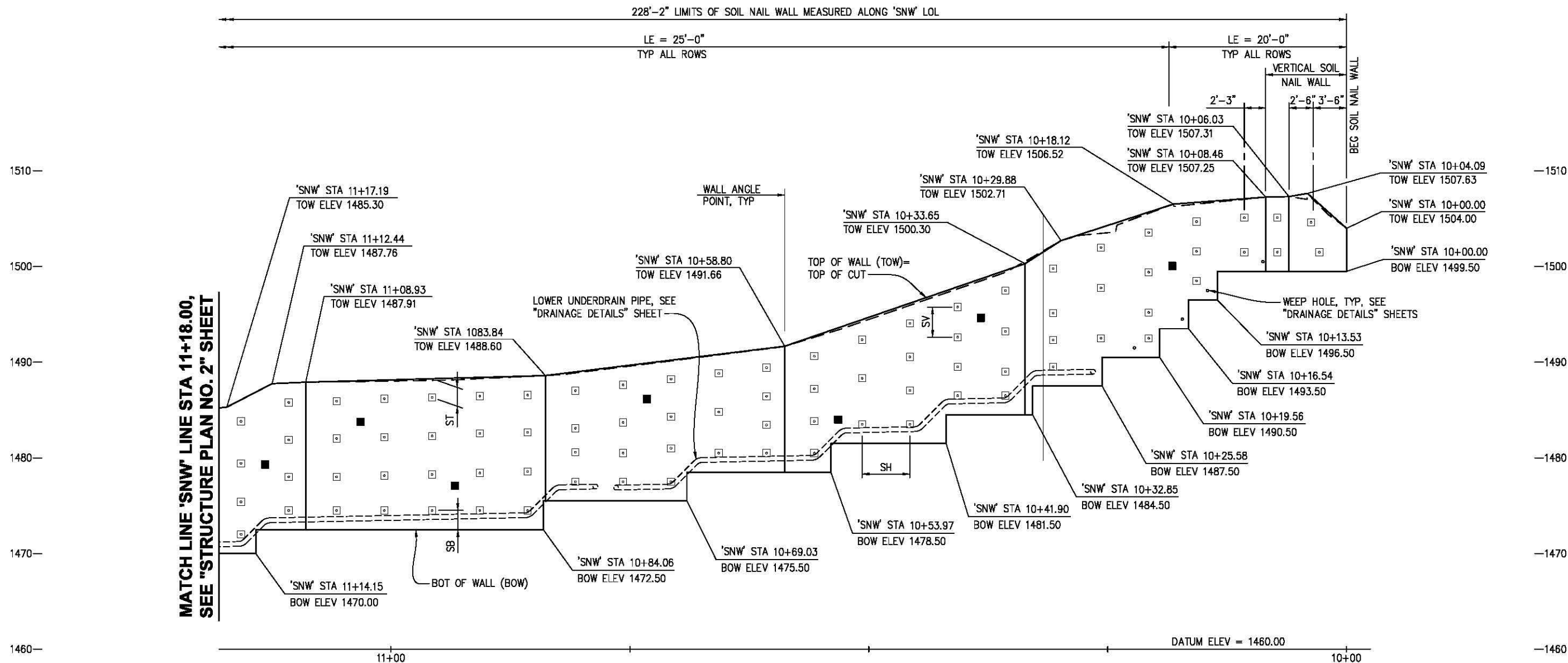
REGISTERED CIVIL ENGINEER  8/19/14
DATE:

DESIGNED: SP	DRAWN: JDV
CHECKED: TK	DATE: 7/31/12
ROAD NUMBER: 002	



**COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION**

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
Drawing name: C:\pwworking\src\dm99384\RW1-04.dwg Layout Tab: Layout1 Aug 19, 2014 - 6:00pm jvought



LEGEND:

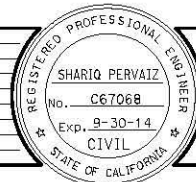
- = LOCATION OF SOIL NAIL ASSEMBLY.
- = LOCATION OF PROOF TEST NAIL ASSEMBLY.
- ST = VERTICAL DISTANCE FROM OG AT TOP OF WALL ELEVATION TO FIRST ROW OF SOIL NAILS, ST = 1'-0" MIN, ST = 2'-0" MAX.
- SV = VERTICAL SPACING OF SOIL NAIL ASSEMBLY SV = 4'-0" MAX, UON.
- SB = VERTICAL DISTANCE FROM BOTTOM OF WALL ELEVATION TO FIRST ROW OF SOIL NAILS, SB = 1'-6" MIN, SB = 2'-0" MAX, UON.
- SH = HORIZONTAL SPACING OF SOIL NAIL ASSEMBLY SH = 5'-0" MAX, UON.
- LE = NAIL EMBEDMENT LENGTH
- TOW = INDICATES TOP OF WALL.
- BOW = INDICATES BOTTOM OF WALL.

NOTES:

1. THE EXACT LOCATION OF THE TEST SOIL NAIL TO BE DETERMINED BY THE ENGINEER. THE TEST SOIL NAILS CAN BE RELOCATED AT THE ENGINEERS DISCRETION.
2. ALL SOIL NAIL PROFILE LINES ARE PARALLEL TO TOP OF WALL EXCEPT THE BOTTOM ROW WHICH IS PARALLEL TO THE BOTTOM OF THE WALL.
3. SOIL NAILS SHALL BE PLACED NORMAL TO SHOTCRETE SURFACE IN THE PLAN VIEW, UON.
4. FOR DETAILS OF WALL DRAINAGE, SEE "DRAINAGE DETAILS NO. 1 & 2" SHEET.
5. FOR GENERAL NOTES, SOIL/ROCK DESIGN PARAMETERS AND LEGEND, SEE "TYPICAL SECTION AND GENERAL NOTES" SHEET.
6. WALL CONSTRUCTION SHALL PROCEED IN INCREMENT OF MAX 7'-0" EXCAVATION LIFT FOR A HORIZONTAL SECTION OF MAXIMUM 70'-0".
7. WALL SOIL NAIL ZONE IS ENTIRE WALL.

**RETAINING WALL NO. 1
STRUCTURE PLAN NO. 1 (SOIL NAIL WALL)
SCALE : AS SHOWN**

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF :

REGISTERED CIVIL ENGINEER
DATE: 8/19/14

DESIGNED: SP
DRAWN: JDV
CHECKED: TK
DATE: 7/31/12
ROAD NUMBER: 002

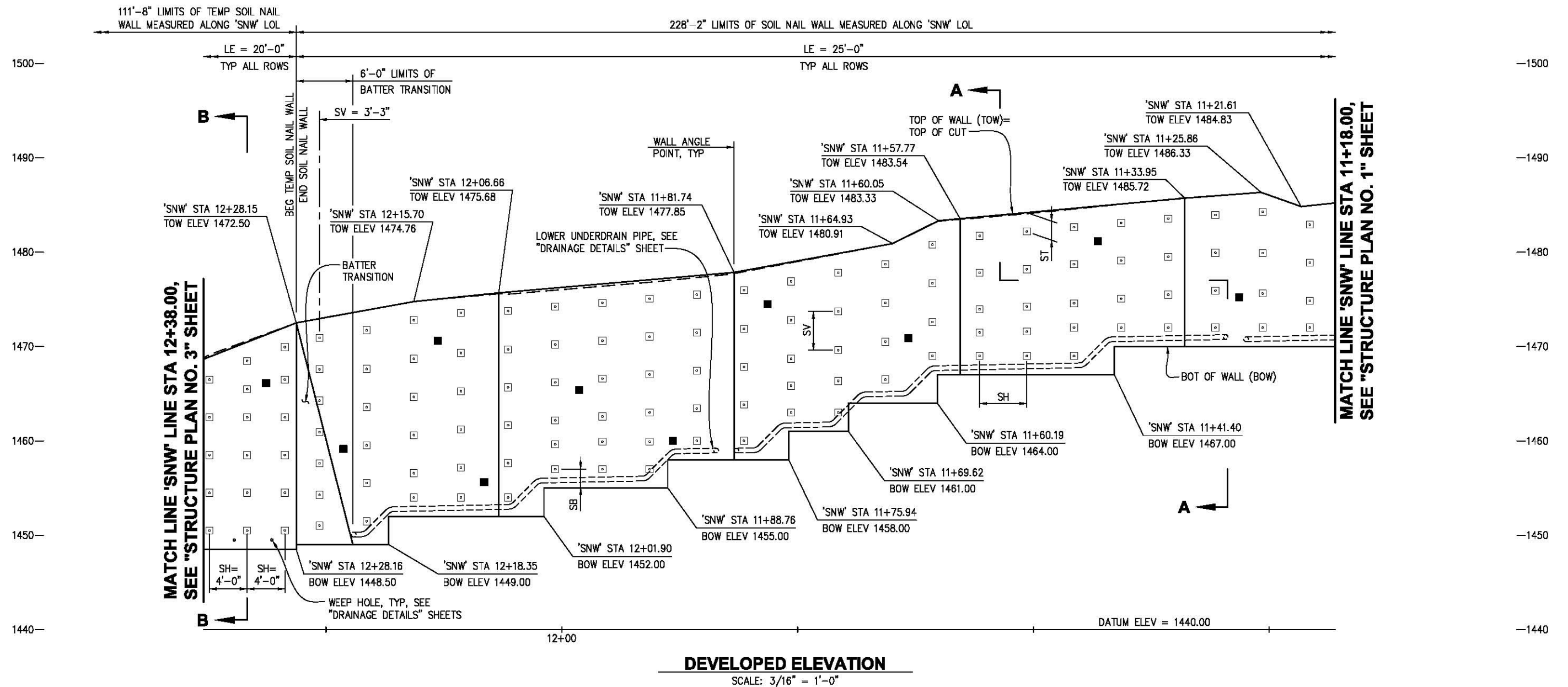


**COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION**

**GREEN VALLEY RD AT WEBER CREEK
BRIDGE REPLACEMENT**

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W.O. No. 77114

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
Drawing name: C:\pwworking\src\dmag9384\RW1-05.dwg Layout Tab: Layout1 Aug 19, 2014 - 6:02pm jvought



LEGEND:

- = LOCATION OF SOIL NAIL ASSEMBLY.
- = LOCATION OF PROOF TEST NAIL ASSEMBLY.
- ST = VERTICAL DISTANCE FROM OG AT TOP OF WALL ELEVATION TO FIRST ROW OF SOIL NAILS, ST = 1'-0" MIN, ST = 2'-0" MAX.
- SV = VERTICAL SPACING OF SOIL NAIL ASSEMBLY SV = 4'-0" MAX, UON.
- SB = VERTICAL DISTANCE FROM BOTTOM OF WALL ELEVATION TO FIRST ROW OF SOIL NAILS, SB = 1'-6" MIN, SB = 2'-0" MAX, UON.
- SH = HORIZONTAL SPACING OF SOIL NAIL ASSEMBLY SH = 5'-0" MAX, UON.
- LE = NAIL EMBEDMENT LENGTH
- TOW = INDICATES TOP OF WALL.
- BOW = INDICATES BOTTOM OF WALL.

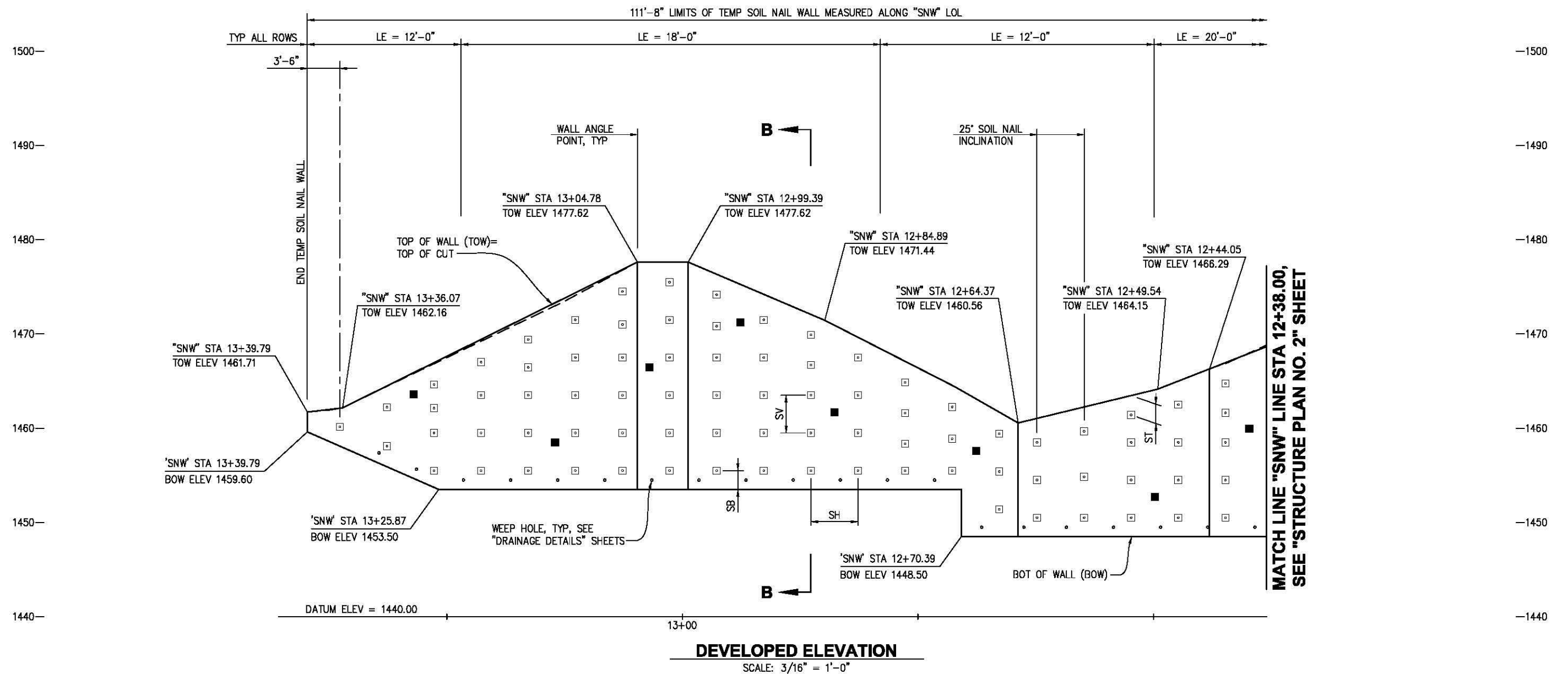
NOTES:

1. FOR NOTES, SEE "STRUCTURE PLAN NO. 1 (SOIL NAIL WALL)" SHEET.
2. FOR "SECTION A-A & B-B", SEE "SOIL NAIL WALL DETAILS NO. 1" SHEET.

RETAINING WALL NO. 1
STRUCTURE PLAN NO. 2 (SOIL NAIL WALL)
SCALE : AS SHOWN

REVISION	SHARIQ PERVAIZ No. C67068 Exp. 9-30-14 CIVIL STATE OF CALIFORNIA				DESIGNED: SP	DRAWN: JDV	CHECKED: TK	DATE: 7/31/12	ROAD NUMBER: 002	COUNTY OF EL DORADO COMMUNITY DEVELOPMENT AGENCY TRANSPORTATION DIVISION	GREEN VALLEY RD AT WEBER CREEK BRIDGE REPLACEMENT	SHEET S-21 55 OF 78 W.O. No. 77114
	NUMBER	DATE	DESCRIPTION	BY								

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
Drawing name: C:\pwworking\src\dmag99384\RW1-06.dwg Layout Tab: Layout1 Aug 19, 2014 - 6:04pm j.yought



LEGEND:

- = LOCATION OF SOIL NAIL ASSEMBLY.
- = LOCATION OF PROOF TEST NAIL ASSEMBLY.
- ST = VERTICAL DISTANCE FROM OG AT TOP OF WALL ELEVATION TO FIRST ROW OF SOIL NAILS, ST = 1'-0" MIN, ST = 2'-0" MAX.
- SV = VERTICAL SPACING OF SOIL NAIL ASSEMBLY SV = 4'-0" MAX, UON.
- SB = VERTICAL DISTANCE FROM BOTTOM OF WALL ELEVATION TO FIRST ROW OF SOIL NAILS, SB = 1'-6" MIN, SB = 2'-0" MAX, UON.
- SH = HORIZONTAL SPACING OF SOIL NAIL ASSEMBLY SH = 5'-0" MAX, UON.
- LE = NAIL EMBEDMENT LENGTH
- TOW = INDICATES TOP OF WALL.
- BOW = INDICATES BOTTOM OF WALL.

NOTES:

1. FOR NOTES, SEE "STRUCTURE PLAN NO. 1 (SOIL NAIL WALL)" SHEET.
2. FOR "SECTION B-B", SEE "SOIL NAIL WALL DETAILS NO. 1" SHEET.

RETAINING WALL NO. 1
STRUCTURE PLAN NO. 3 (SOIL NAIL WALL)
SCALE : AS SHOWN

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF :

REGISTERED CIVIL ENGINEER
DATE: 8/19/14

DESIGNED: SP
DRAWN: JDV
CHECKED: TK
DATE: 7/31/12
ROAD NUMBER: 002



COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION

GREEN VALLEY RD AT WEBER CREEK
BRIDGE REPLACEMENT

SHEET
S-22
56 OF 78
W.O. No. 77114

ORIGINAL SCALE IS IN INCHES
Drawing name: C:\pwworking\src\dms99384\RW1-08.dwg Layout Tab: Layout1 Aug 19, 2014 - 6:07pm jvought

FOR REDUCED PLANS



- RETAINING WALL NO. 1
STRUCTURE PLAN NO. 5 (GABION MSE WALL)
SCALE : AS SHOWN**

H	INDICATES NOMINAL TOTAL HEIGHT OF GABION MSE WALL AT EACH SEGMENT.
Bw	INDICATES BASE WIDTH OF SHORED MSE WALL
TOW	INDICATES TOP OF WALL.
BOW	INDICATES BOTTOM OF WALL.

INDICATES INSPECTION WIRE PANEL.

—INDICATES LOCATION OF INSPECTION WIRE
REPLACEMENT, SEE "GABION MSE WALL
DETAILS NO. 2" SHEET.

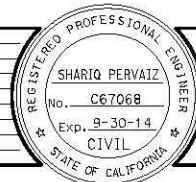
—INDICATES INTERVAL IN YEARS FROM
CONSTRUCTION TO REMOVAL OF INSPECTION WIRE.

SCALE: $3/16" = 1'-0"$

2 @ W11xW11 + 6"x9"

- Transverse wire spacing
- Longitudinal wire spacing
- Transverse wire size
- Longitudinal wire size
- Number of layers of the type of welded wire mat required

REVISION				
NUMBER	DATE	DESCRIPTION	BY	



PREPARED UNDER THE SUPERVISION OF :

REGISTERED CIVIL ENGINEER

8/19/14

DESIGNED: SP	DRAWN: JDV
CHECKED: TK	DATE: 7/31/12
ROAD NUMBER: 002	

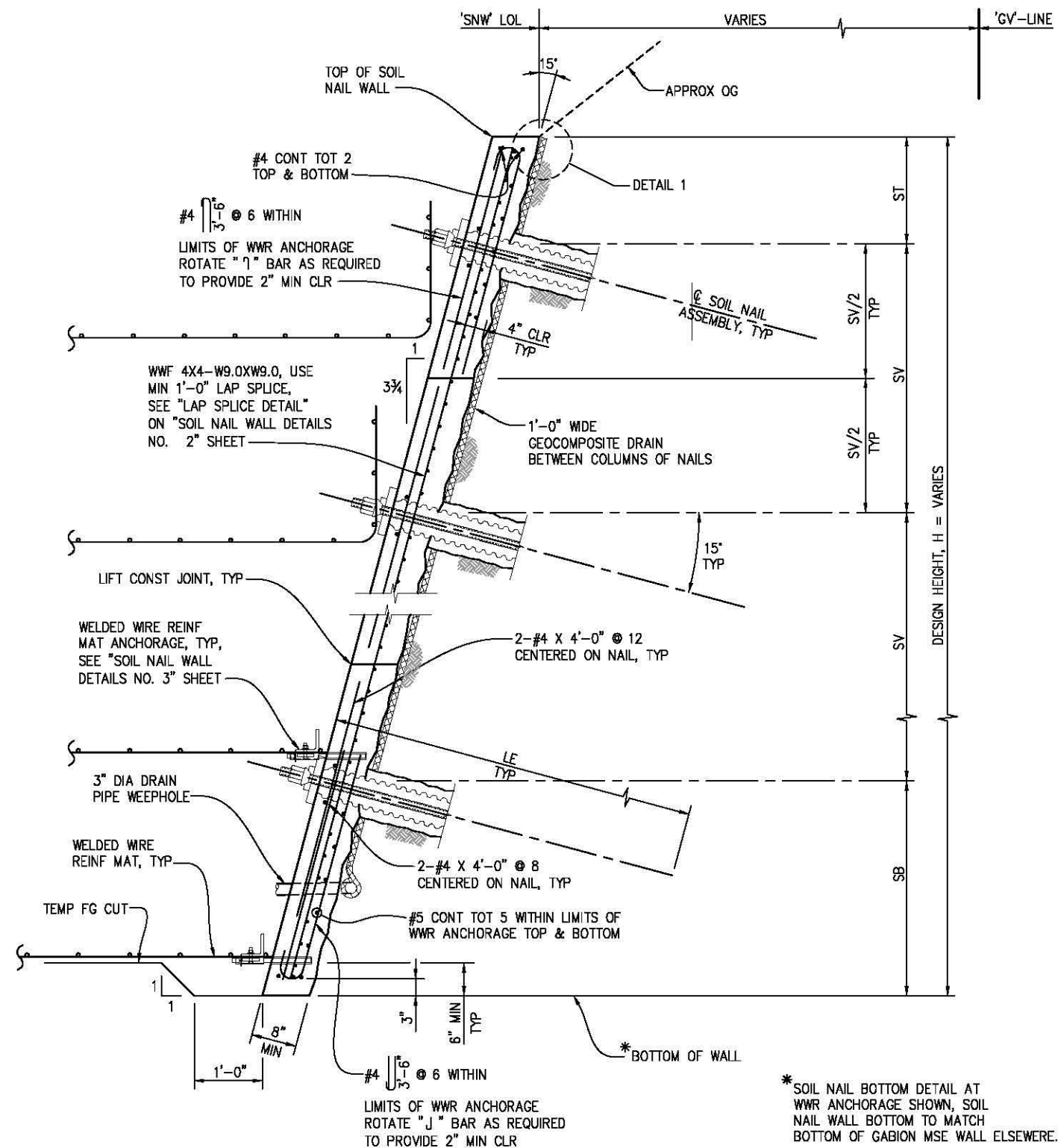


**COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION**

GREEN VALLEY RD AT WEBER CREEK BRIDGE REPLACEMENT

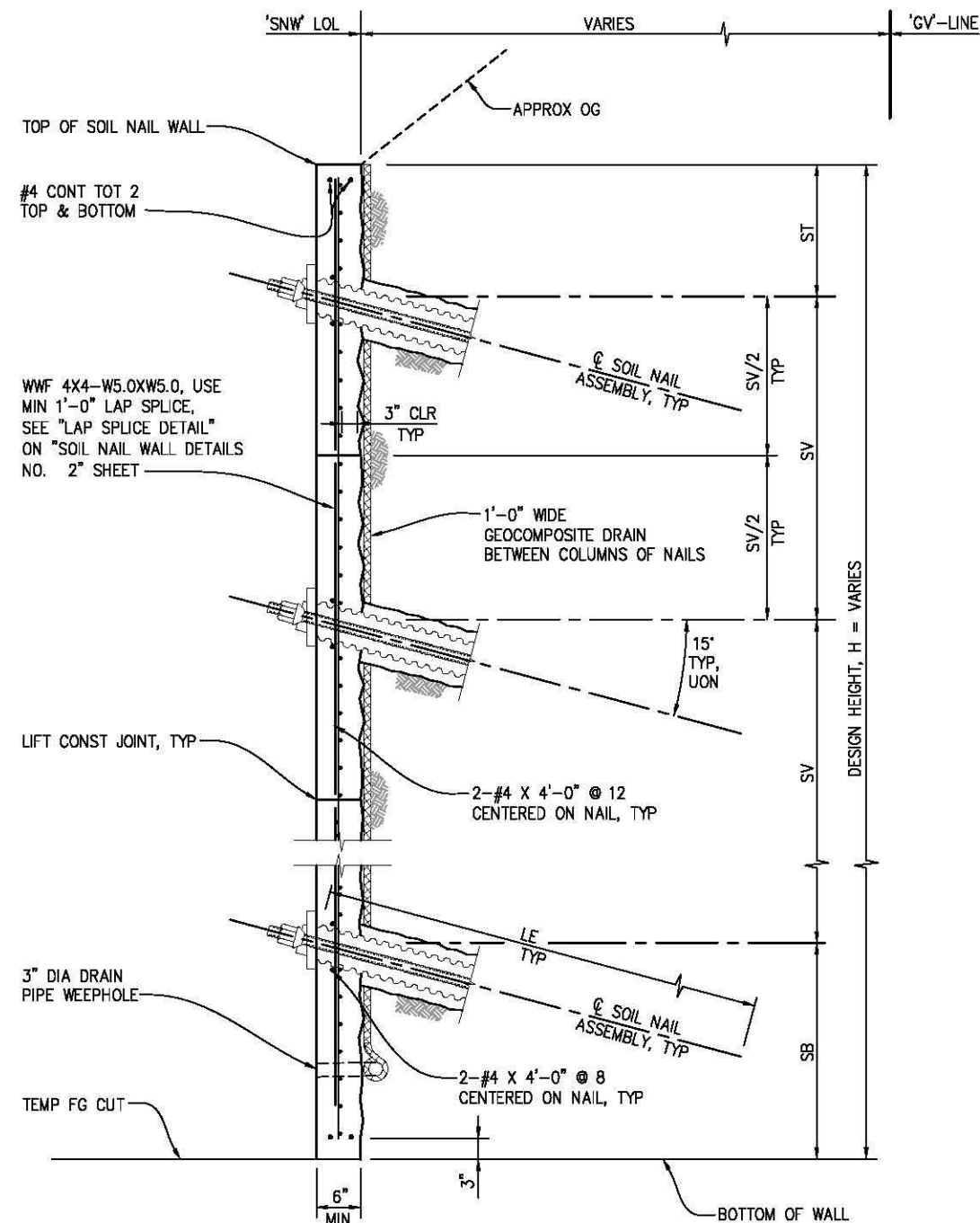
SHEET
S-24
58 OF 78
D. No. **77114**

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
Drawing name: C:\pwworking\src\dm99384\RW1-09.dwg Layout Tab: Layout1 Aug 19, 2014 - 6:08pm jought



SECTION A-A
SCALE: 1" = 1'-0"

*SOIL NAIL BOTTOM DETAIL AT WWR ANCHORAGE SHOWN, SOIL NAIL WALL BOTTOM TO MATCH BOTTOM OF GABION MSE WALL ELSEWHERE.



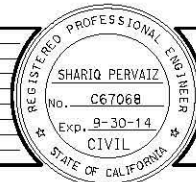
SECTION B-B
SCALE: 1" = 1'-0"

NOTES:

1. FOR GEOCOMPOSITE DRAIN DETAILS, SEE "DRAINAGE DETAILS" SHEETS
2. FOR "DETAIL 1", SEE "SOIL NAIL DETAILS NO. 2" SHEET.

RETAINING WALL NO. 1
SOIL NAIL WALL DETAILS NO. 1
SCALE : AS SHOWN

REVISION	NUMBER	DATE	DESCRIPTION	BY



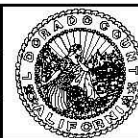
PREPARED UNDER THE SUPERVISION OF :

SHARIQ PERVAITZ
No. C67068
Exp. 9-30-14
CIVIL
STATE OF CALIFORNIA

REGISTERED CIVIL ENGINEER

DATE: 8/19/14

DESIGNED: SP
DRAWN: JDV
CHECKED: TK
DATE: 7/31/12
ROAD NUMBER: 002

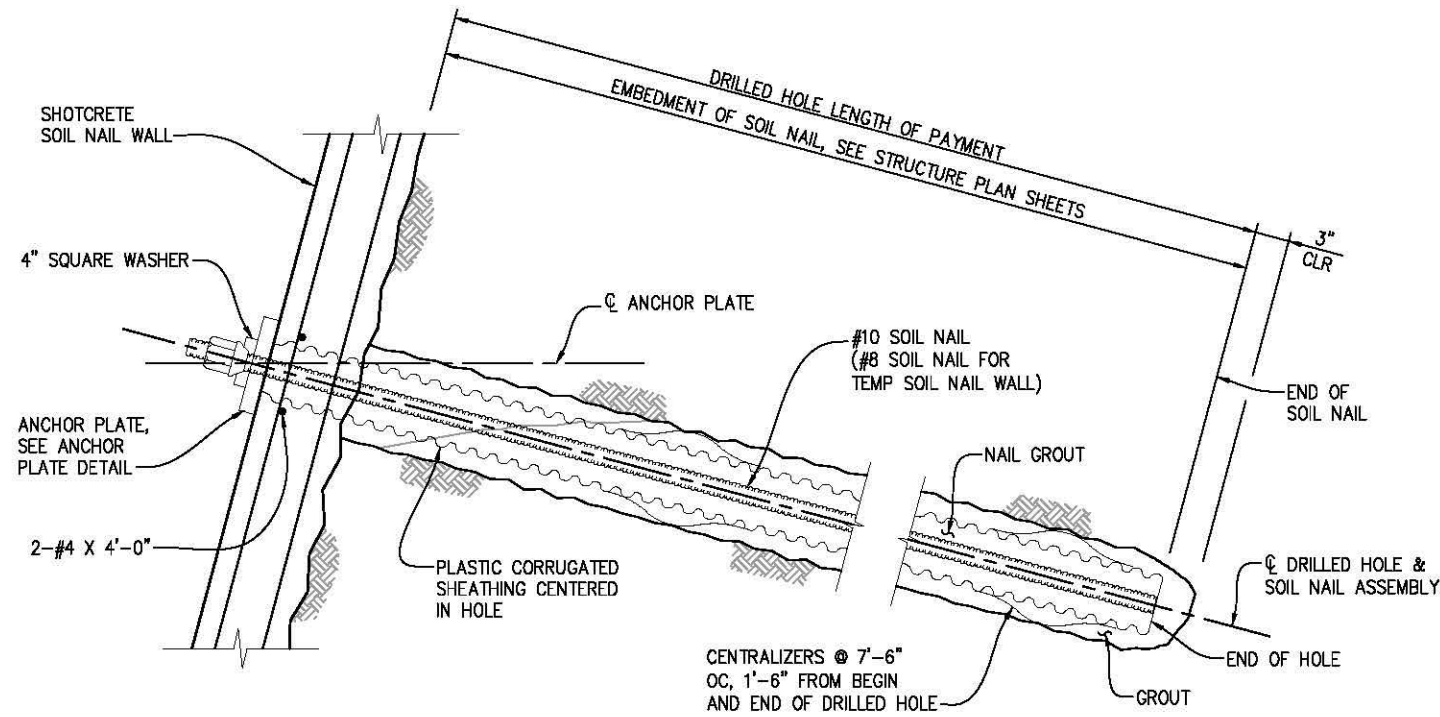


COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION

GREEN VALLEY RD AT WEBER CREEK
BRIDGE REPLACEMENT

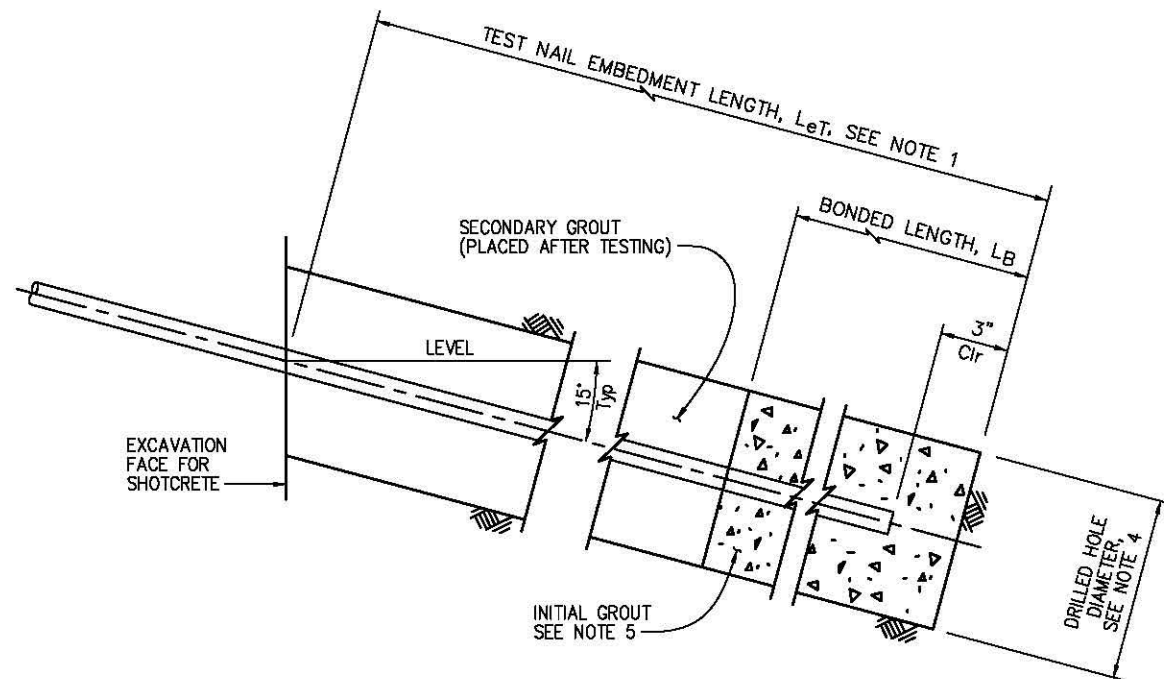
SHEET
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59 OF 78
W.O. No. 77114

ORIGINAL SCALE IS IN INCHES
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FOR REDUCED PLANS
0 1 2

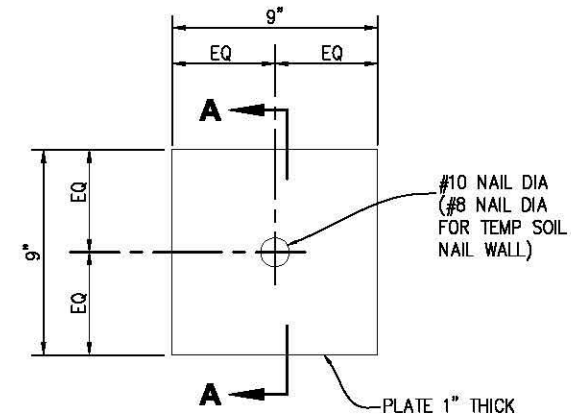


NOTE:
DETAILS FOR BATTERED SOIL NAIL WALL SHOWN,
DETAILS FOR VERTICAL SOIL NAIL WALL SIMILAR.

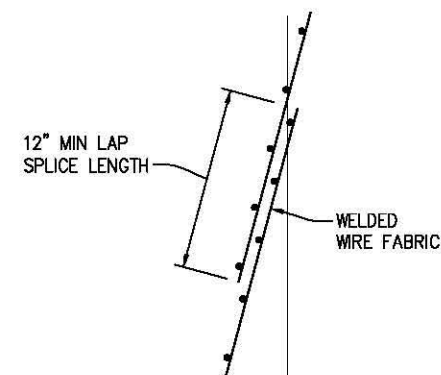
SOIL NAIL ASSEMBLY
NO SCALE



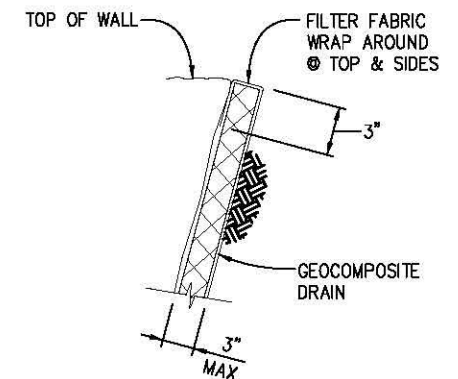
TEST NAIL DETAIL
NO SCALE



ANCHOR PLATE DETAIL
SCALE: 3" = 1'-0"



LAP SPlice DETAIL
NO SCALE



DETAIL 1
NO SCALE

NOTES:

1. THE TEST NAIL EMBEDMENT LENGTH L_{eT} , SHALL BE EQUAL TO $2/3$ OF THE EMBEDMENT LENGTH, L_e , OF ADJACENT PRODUCTION SOIL NAIL ASSEMBLIES, BUT NOT LESS THAN 12'-0".
2. THE TOTAL LENGTH OF THE TEST NAIL ASSEMBLY EQUALS THE EMBEDMENT LENGTH PLUS THE LENGTH REQUIRED FOR JACKING EQUIPMENT.
3. FOR LOCATION OF PROOF TEST NAIL SEE "STRUCTURE PLAN" SHEETS ADDITIONAL PROOF TEST NAILS WILL BE INSTALLED AND TESTED PER SPECIAL PROVISIONS.
4. CONTRACTOR TO DETERMINE DRILLED HOLE DIAMETER.
5. FINISHED GROUT SURFACE TO BE NORMAL TO THE BAR.

RETAINING WALL NO. 1
SOIL NAIL WALL DETAILS NO. 2
SCALE : AS SHOWN

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF :

SHARIQ PERVAITZ
No. C67068
Exp. 9-30-14
CIVIL
REGISTERED CIVIL ENGINEER

DATE: 8/19/14

DESIGNED: SP	DRAWN: JDV
CHECKED: TK	DATE: 7/31/12
ROAD NUMBER:	002

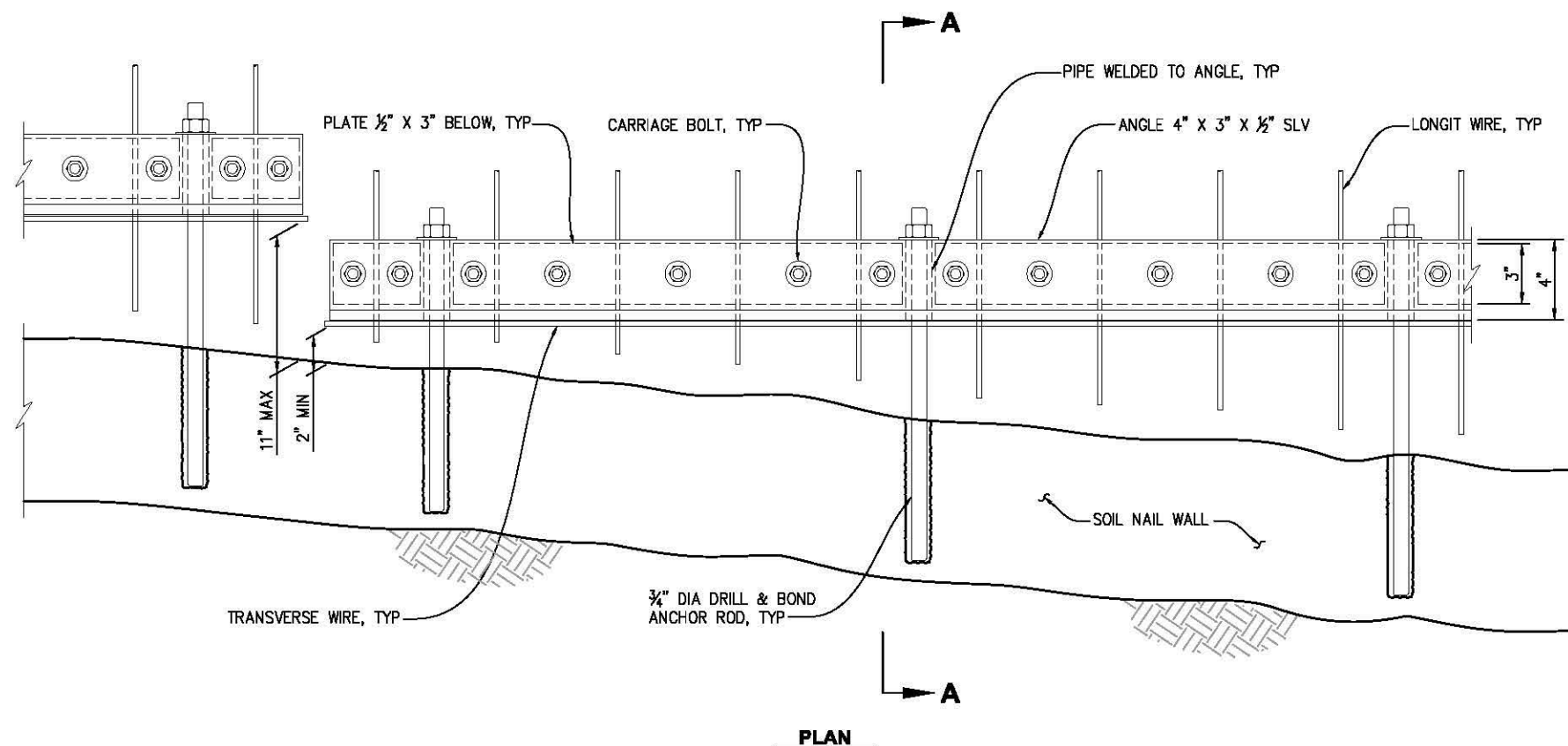
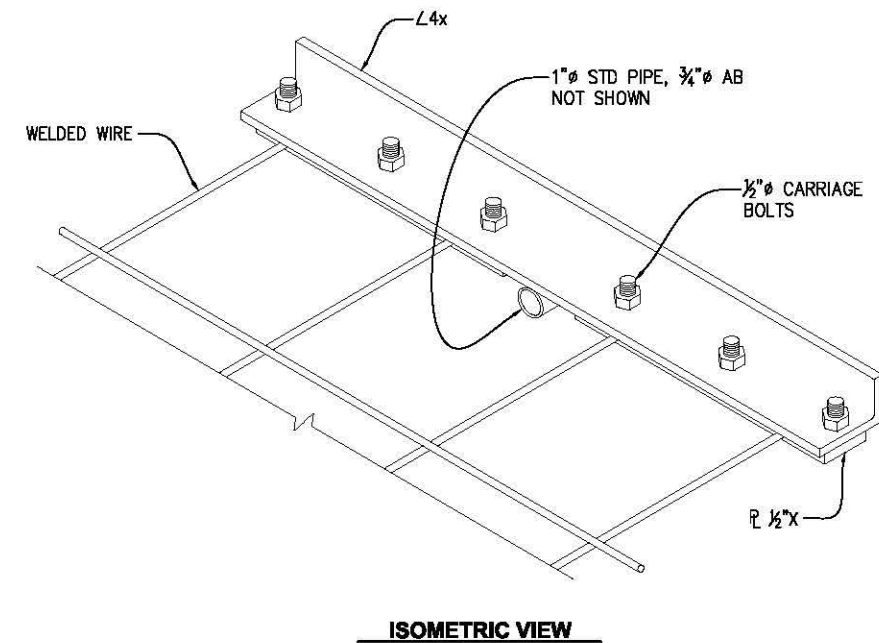
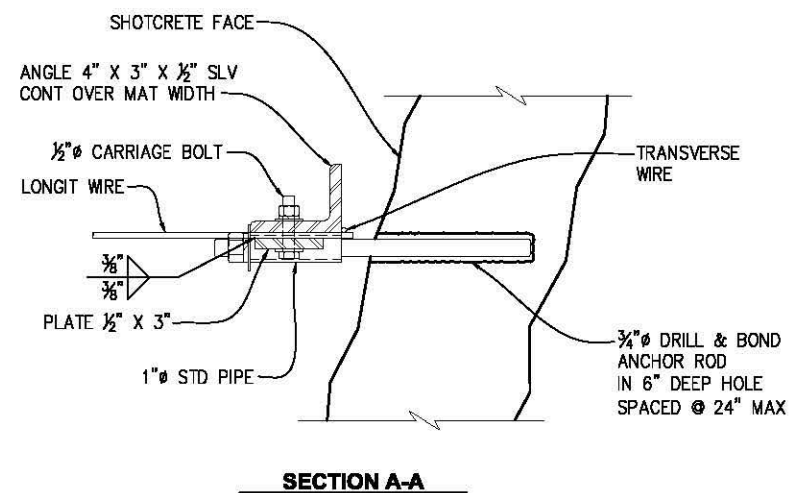


COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION

GREEN VALLEY RD AT WEBER CREEK
BRIDGE REPLACEMENT

SHEET
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60 OF 78
W.O. No. 77114

ORIGINAL SCALE IS IN INCHES
Drawing name: C:\pwworking\src\dm99384\RW1-11.dwg Layout Tab: Layout1 Aug 19, 2014 - 6:11pm [vought
FOR REDUCED PLANS
0 1 2

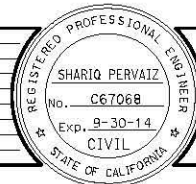


NOTE:
1. ALL STEEL SHALL BE GALVANIZED AFTER FABRICATION.

WELDED WIRE MAT ANCHORAGE TO SOIL NAIL WALL
SCALE: 3" = 1'-0"

**RETAINING WALL NO. 1
SOIL NAIL WALL DETAILS NO. 3
SCALE : AS SHOWN**

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF :

REGISTERED CIVIL ENGINEER
DATE: 8/19/14

DESIGNED: SP
CHECKED: TK
ROAD NUMBER: 002
DRAWN: JDV
DATE: 7/31/12

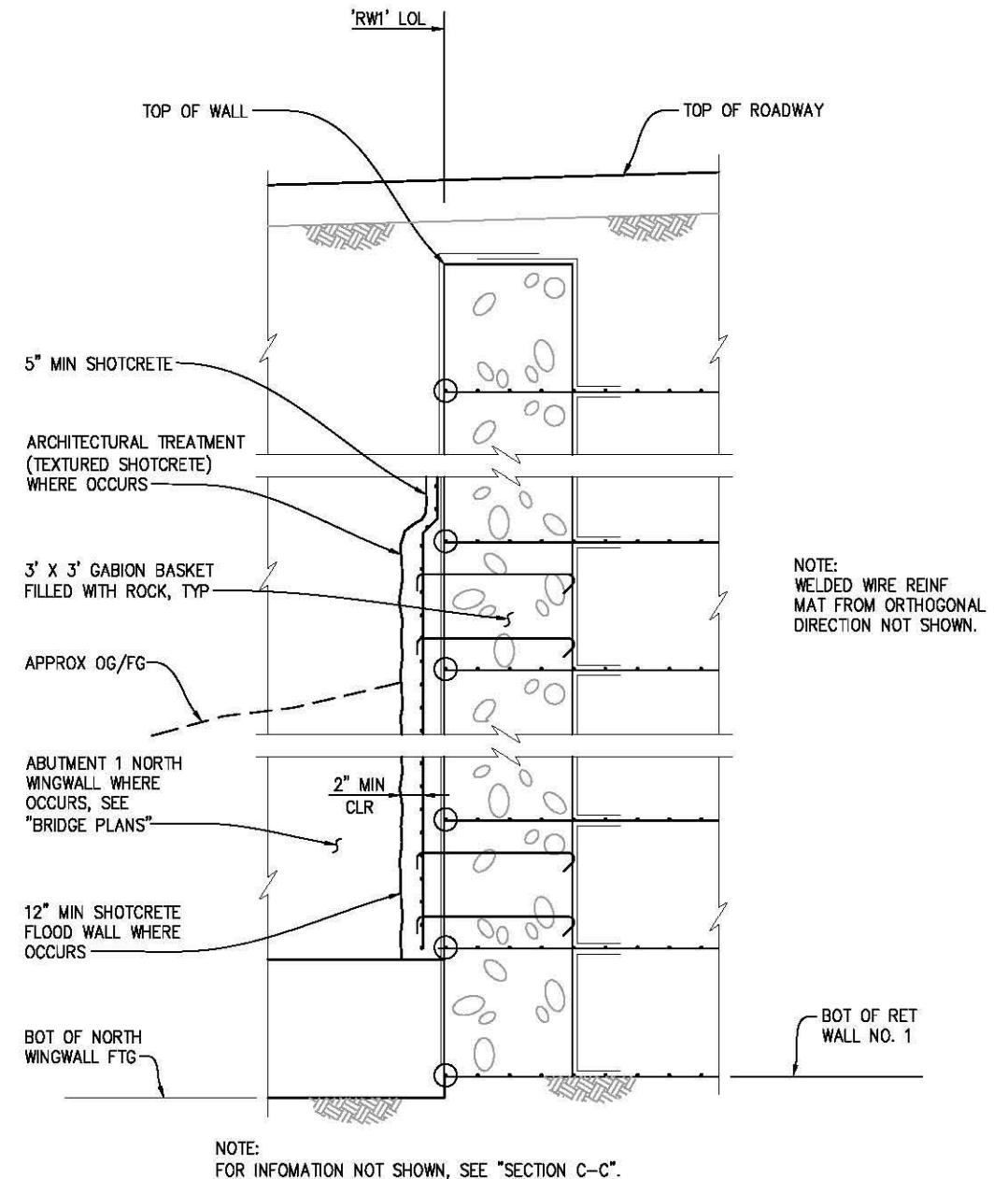
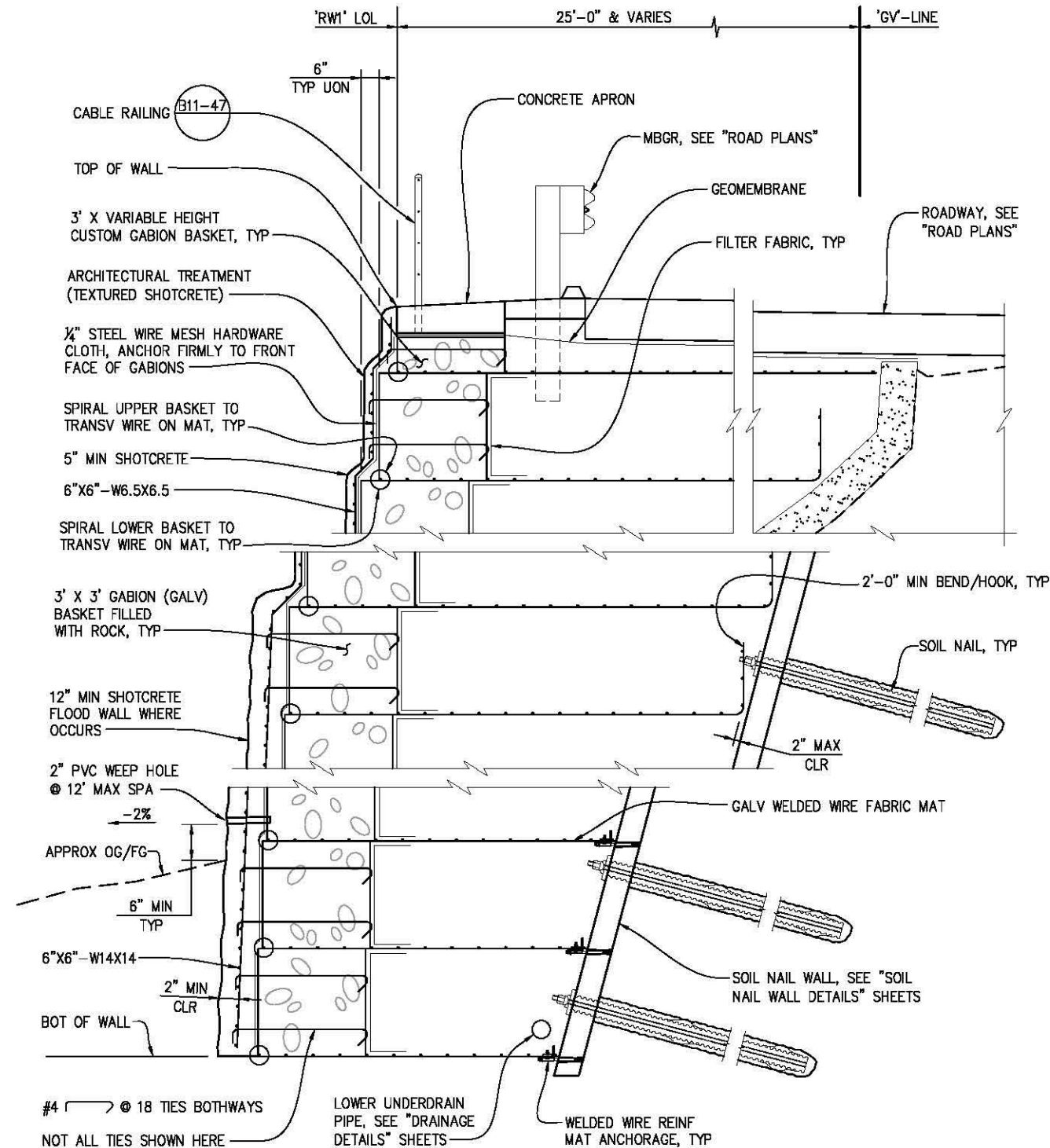


**COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION**

**GREEN VALLEY RD AT WEBER CREEK
BRIDGE REPLACEMENT**

SHEET
S-27
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W.O. No. 77114

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
Drawing name: C:\pwworking\src\lms99384\RW1-12.dwg Layout Tab: Layout1 Aug 19, 2014 - 6:12pm jvaught



RETAINING WALL NO. 1
GABION MSE WALL DETAILS NO. 1
SCALE : AS SHOWN

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
REGISTERED CIVIL ENGINEER

DATE: 8/19/14

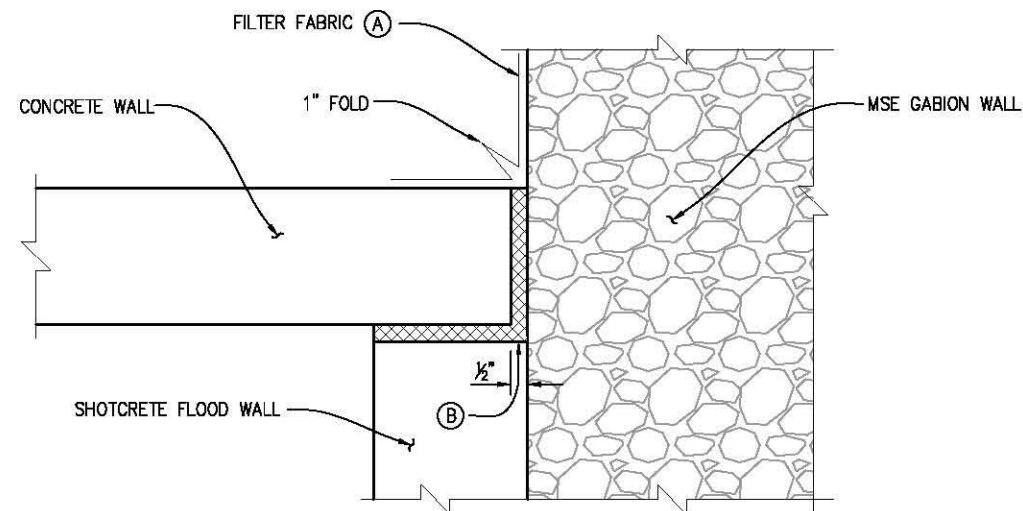
DESIGNED: SP
DRAWN: JDV
CHECKED: TK
DATE: 7/31/12
ROAD NUMBER: 002



COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION

GREEN VALLEY RD AT WEBER CREEK
BRIDGE REPLACEMENT

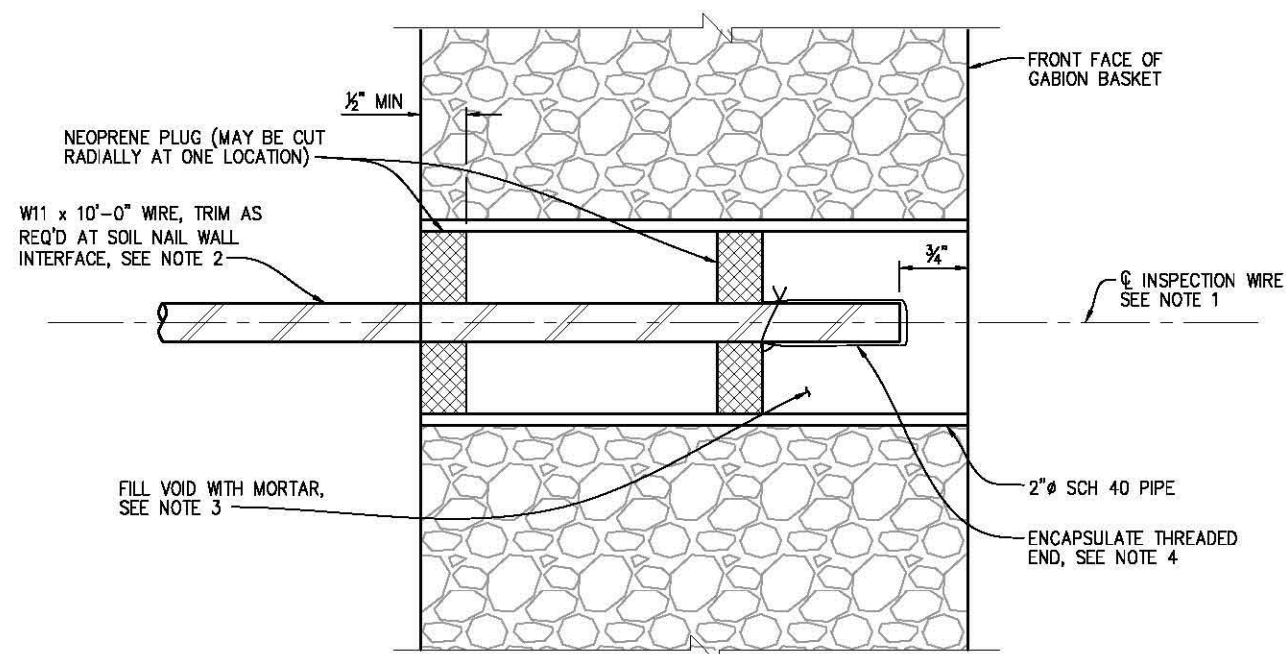
SHEET
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GABION WALL-TO-CONCRETE WALL JOINT DETAIL
NO SCALE

NOTES:

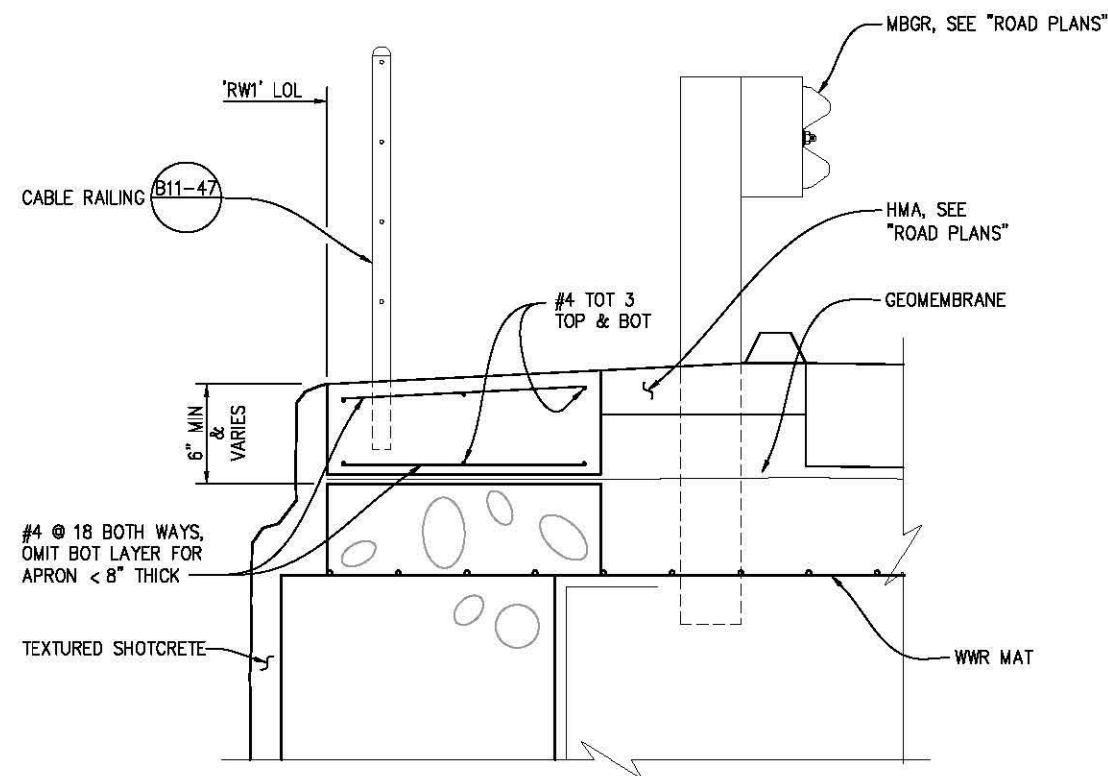
- (A) SECURE A STRIP OF FILTER FABRIC, 1'-6" WIDE, FIRMLY TO THE BACK OF GABION WALL AND BOND IT TO THE ADJACENT CONCRETE WALL FOR ENTIRE LENGTH OF VERTICAL JOINT.
- (B) BOND EXPANSION JOINT MATERIAL TO THE CONCRETE WALL.



SECTION THRU INSPECTION WIRE
NO SCALE

NOTES:

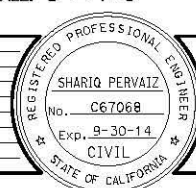
1. CENTER INSPECTION WIRE IN GABION WALL BASKET.
 2. FABRICATED INSPECTION WIRE FROM W11 WIRE REPRESENTATIVE OF THE WELDED WIRE MATS, WITH 3/8" 16 UNC THREADS FOR AT LEAST 1 1/2" OF ONE END.
 3. PLACE INSPECTION WIRE HORIZONTAL AND PERPENDICULAR TO THE GABION BASKET PRIOR TO BACKFILLING.
 4. ENCAPSULATE THREADED END WITH CORROSION INHIBITING MASTIC, VINYL COVERING, AND SECURE WITH PLASTIC TIE.
- UNC = UNIFIED COARSE THREADS



CONCRETE APRON DETAIL
SCALE: 3" = 1'-0"

**RETAINING WALL NO. 1
GABION MSE WALL DETAILS NO. 2
SCALE : AS SHOWN**

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
[Signature]
REGISTERED CIVIL ENGINEER
DATE: 8/19/14

DESIGNED: SP	DRAWN: JDV
CHECKED: TK	DATE: 7/31/12
ROAD NUMBER: 002	

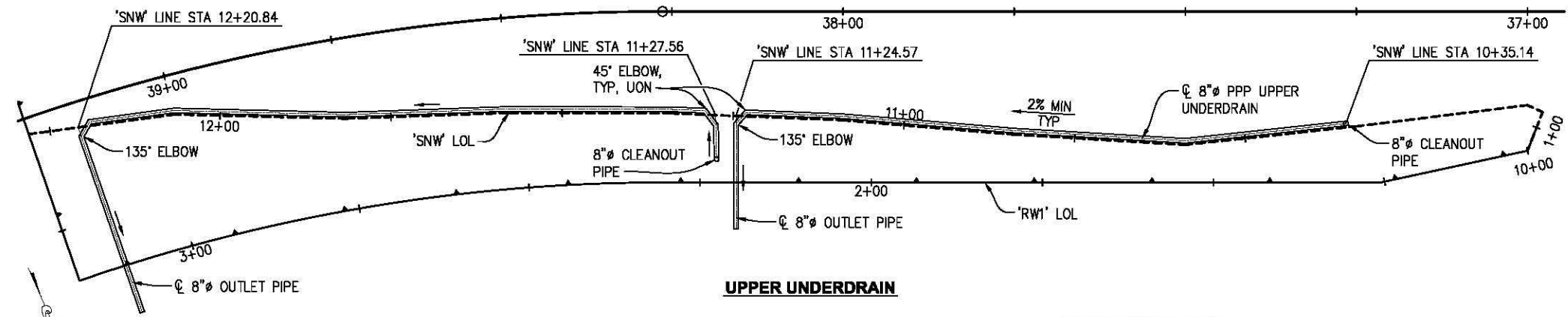


**COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION**

**GREEN VALLEY RD AT WEBER CREEK
BRIDGE REPLACEMENT**

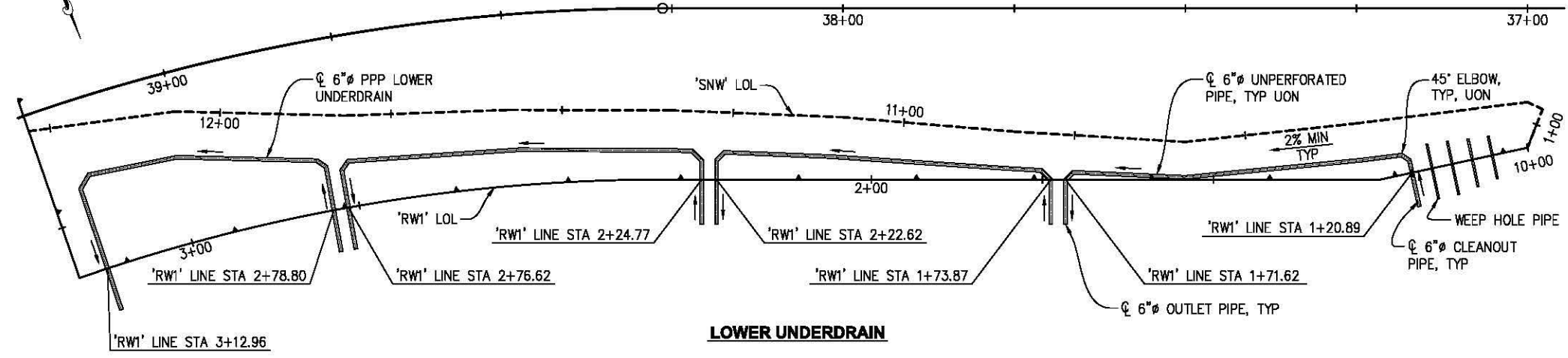
SHEET	S-29
63 OF 78	
W.O. No.	77114

GREEN VALLEY ROAD



- LEGEND:
- INDICATES DIRECTION OF FLOW
 - - - INDICATES SOIL NAIL LOL
 - ▲ INDICATES GABION MSE WALL LOL

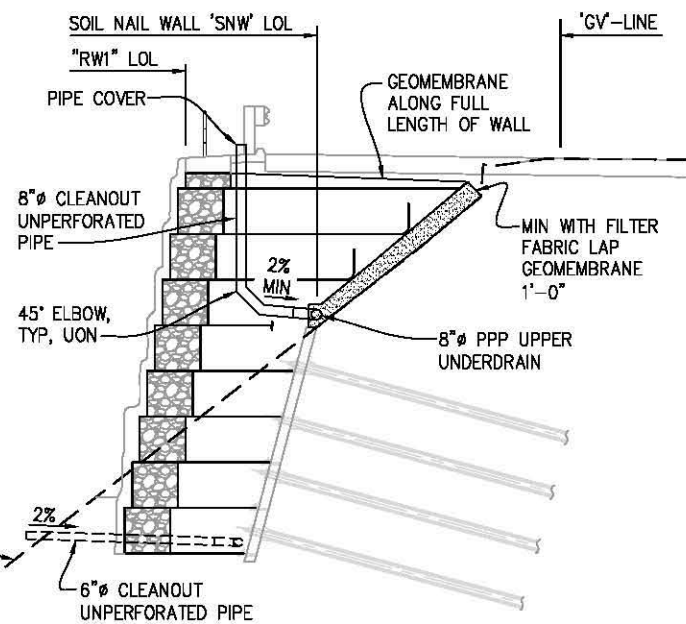
GREEN VALLEY ROAD



LOWER UNDERDRAIN

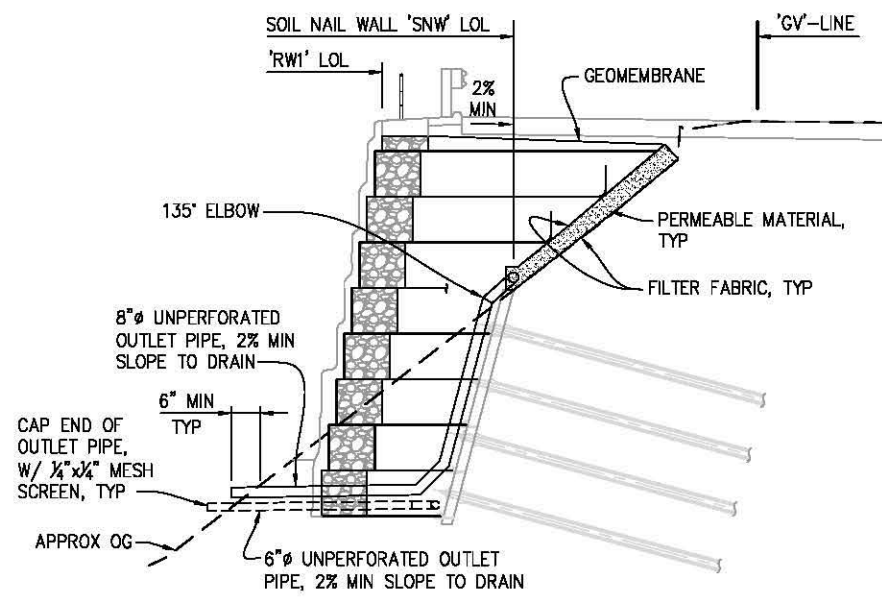
DRAINAGE PLAN

NO SCALE



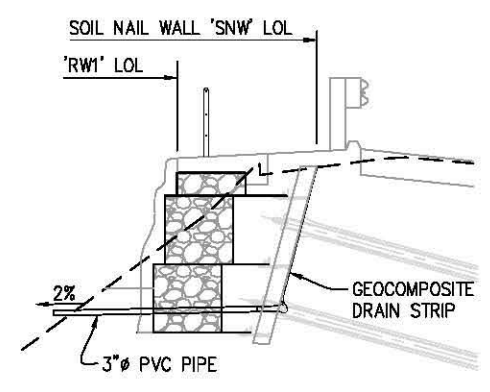
CLEANOUT PIPE DETAIL

NO SCALE



OUTLET PIPE DETAIL

NO SCALE



WEEP HOLE PIPE DETAIL

NO SCALE

RETAINING WALL NO. 1
DRAINAGE DETAILS NO. 1
SCALE : AS SHOWN

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
Drawing name: C:\pwworking\soe\dm99384\RW1-14.dwg Layout Tab: Layout1 Aug 19, 2014 - 6:16pm jvaught

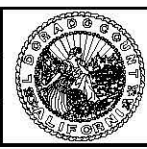
REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

REGISTERED CIVIL ENGINEER
DATE: 8/19/14

DESIGNED: SP
DRAWN: JDV
CHECKED: TK
DATE: 7/31/12
ROAD NUMBER: 002

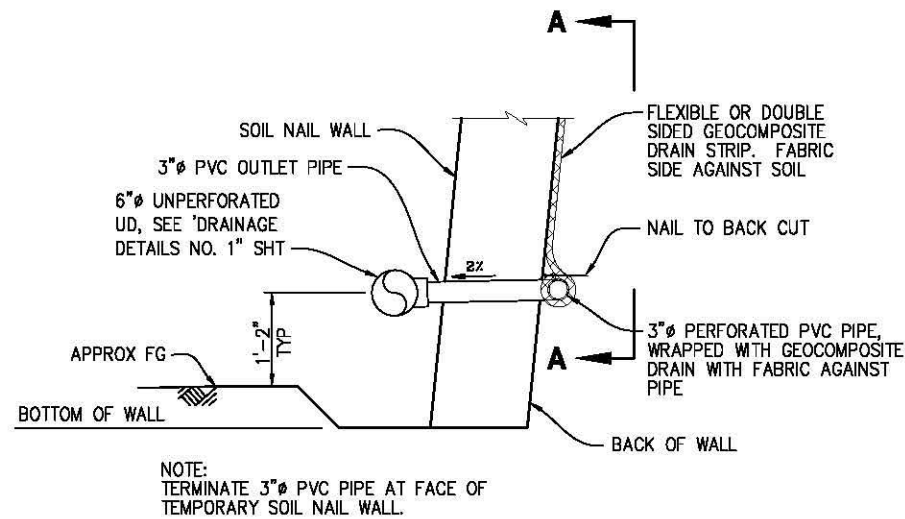


COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION

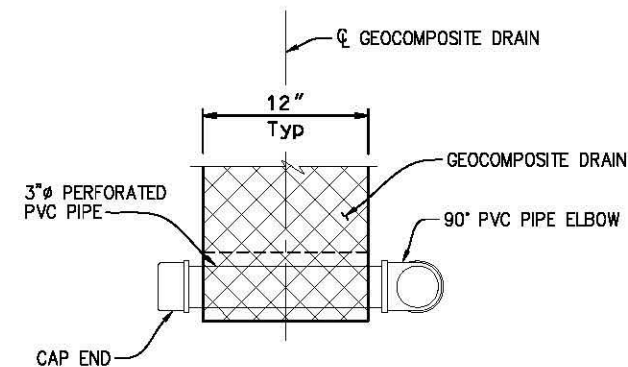
GREEN VALLEY RD AT WEBER CREEK
BRIDGE REPLACEMENT

SHEET
S-30
64 OF 78
W.O. No. 77114

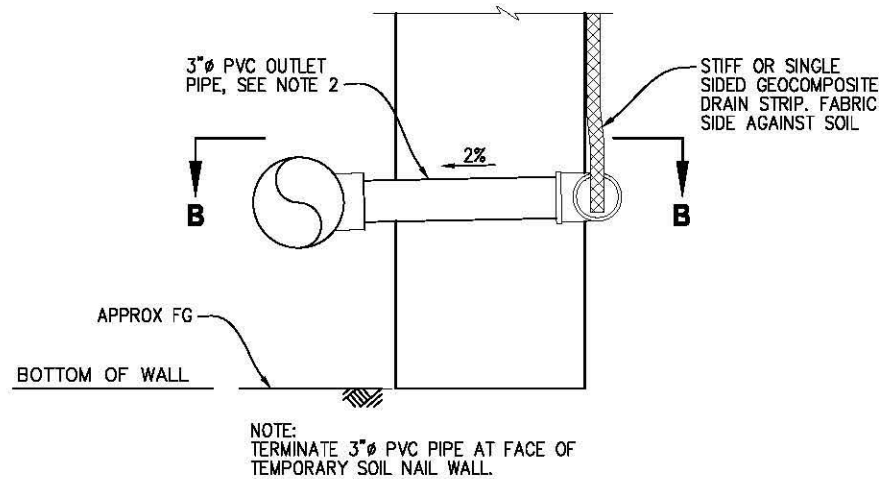
FOR REDUCED PLANS
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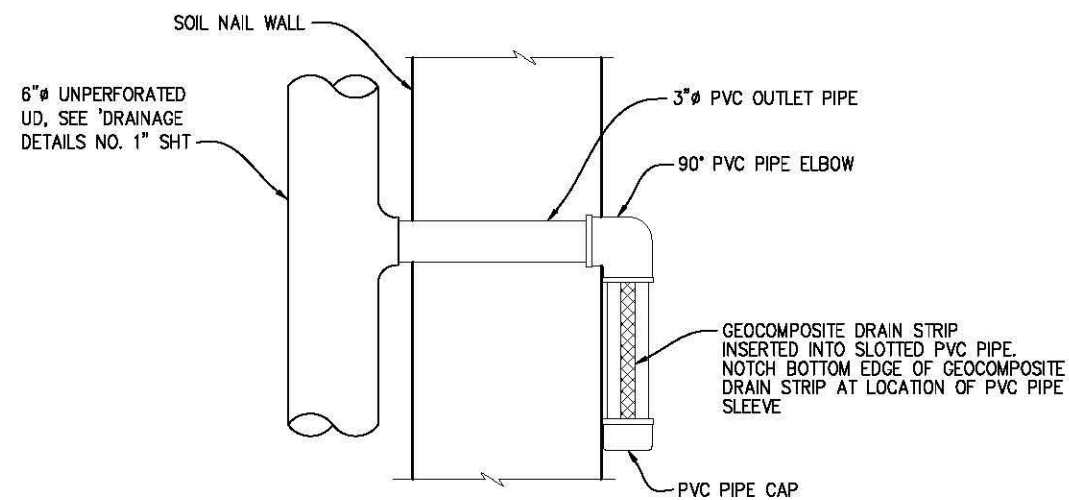
**WALL DRAIN DETAIL AT WEEPHOLE
OPTION A**
NO SCALE



VIEW A-A
NO SCALE



**WALL DRAIN DETAIL AT WEEPHOLE
OPTION B**
NO SCALE



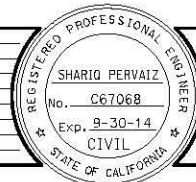
SECTION B-B
NO SCALE

NOTES:

1. GEOCOMPOSITE DRAIN STRIP PER SECTION 88 GEOSYNTHETICS OF THE STANDARD SPECIFICATIONS.
2. ELEVATION OF DRAINS AND WEEPHOLES AS SHOWN ELSEWHERE ON PLANS.

**RETAINING WALL NO. 1
DRAINAGE DETAILS NO. 2
SCALE : AS SHOWN**

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF :

REGISTERED CIVIL ENGINEER

DATE: 8/19/14

DESIGNED: SP
CHECKED: TK
DRAWING: JDV
DATE: 7/31/12
ROAD NUMBER: 002



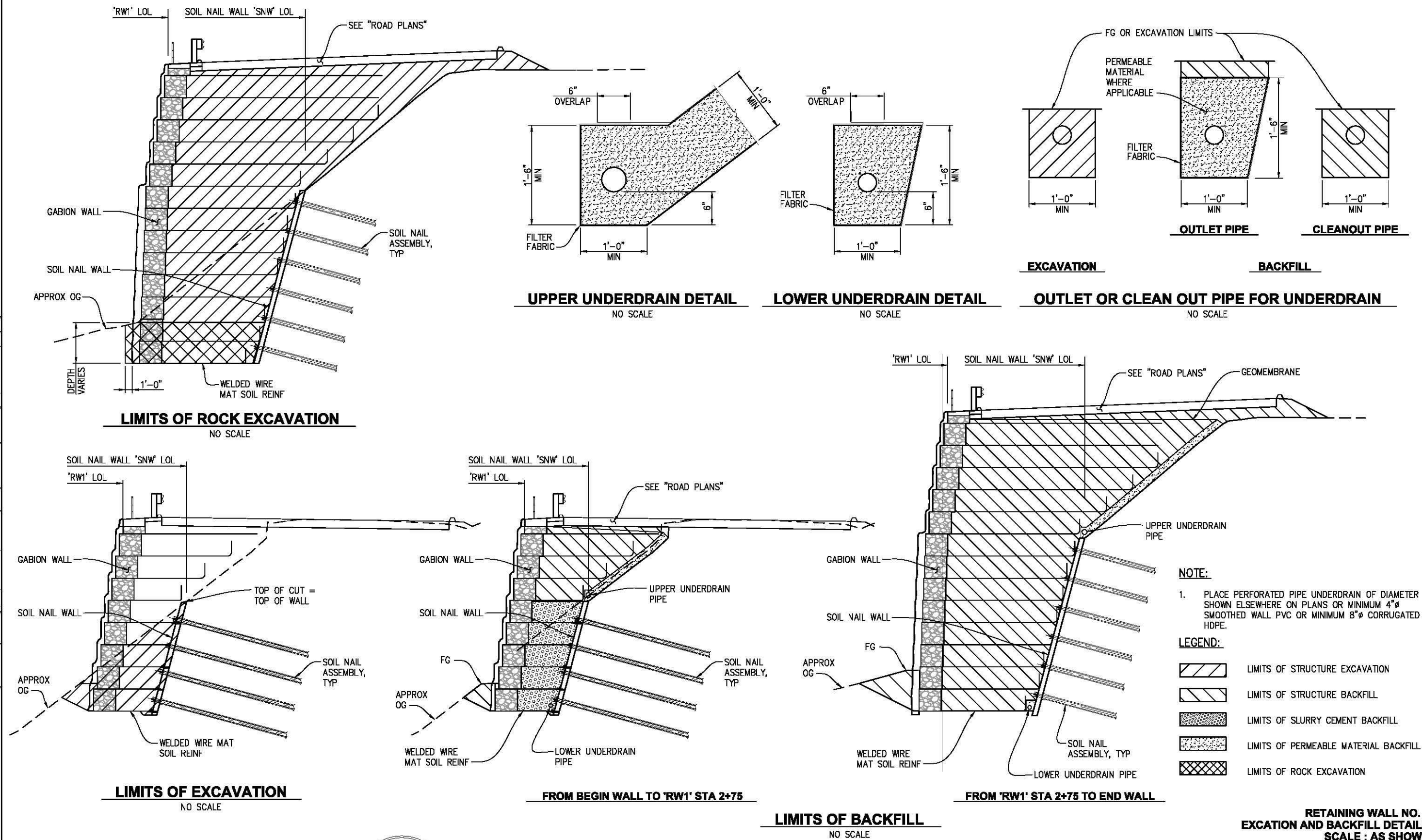
**COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION**

**GREEN VALLEY RD AT WEBER CREEK
BRIDGE REPLACEMENT**

SHEET
S-31
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FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
Drawing name: C:\pwworking\src\lms9384\RW1-16.dwg Layout Tab: Layout1 Aug 19, 2014 - 6:16pm jought

2
1
0



REVISION	NUMBER	DATE	DESCRIPTION	BY

REGISTERED PROFESSIONAL ENGINEER
SHARIF PERVAIZ
No. C67068
Exp. 9-30-14
CIVIL
STATE OF CALIFORNIA

PREPARED UNDER THE SUPERVISION OF:

REGISTERED CIVIL ENGINEER
DATE: 8/19/14

DESIGNED: SP
CHECKED: TK
ROAD NUMBER: 002

DRAWING: JDV
DATE: 7/31/12

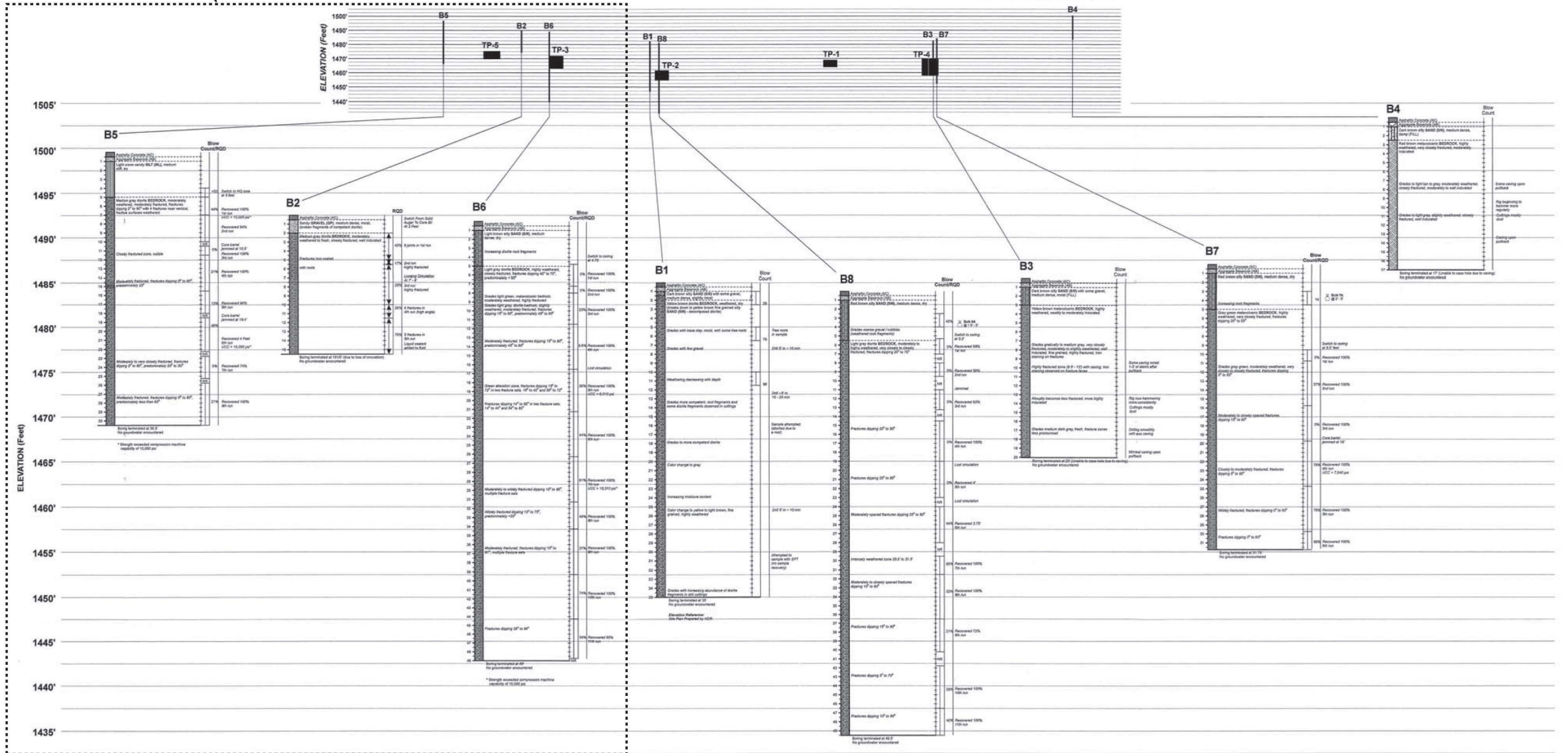
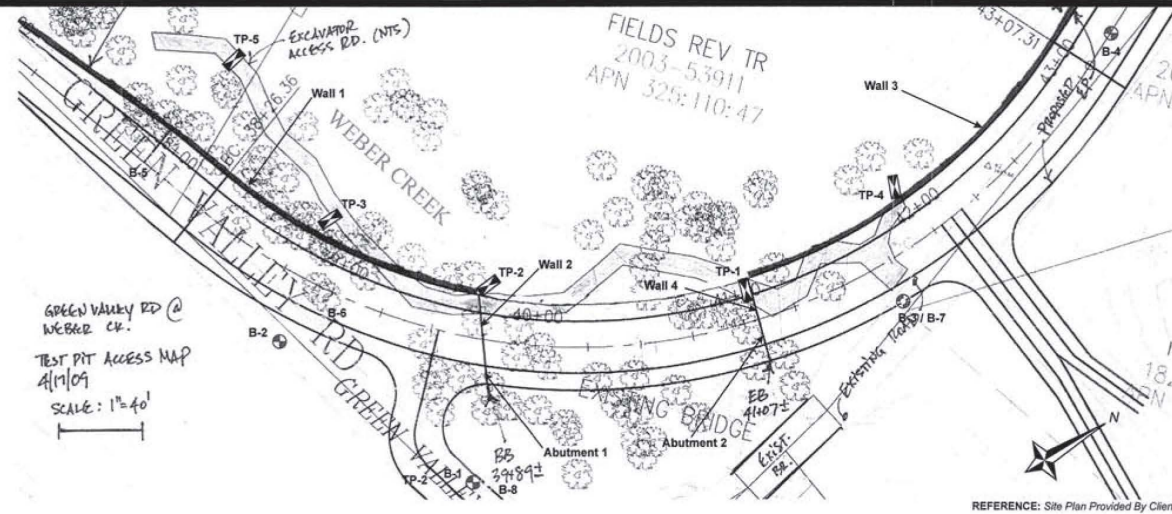
COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION

GREEN VALLEY RD AT WEBER CREEK
BRIDGE REPLACEMENT

RETAINING WALL NO. 1
EXCAVATION AND BACKFILL DETAILS
SCALE: AS SHOWN

SHEET
S-32
66 OF 78
W.O. No. 77114

SEE SHEET S-34



REVISIONS				DATE
MARK	DESCRIPTION	DATE	CHKD	
△				PROJECT ENGINEER: <u>Martha McDonnell, P.E.</u> 10/09/2010
△				DESIGNED BY: <u> </u> <u> </u> 10/09/2010
△				DRAWN BY: <u>Scott Youngdahl</u> 10/09/2010
△				CHECKED BY: <u> </u> <u> </u> 10/09/2010



YOUNGDAHL
CONSULTING GROUP, INC.
GEOTECHNICAL • ENVIRONMENTAL • MATERIALS TESTING

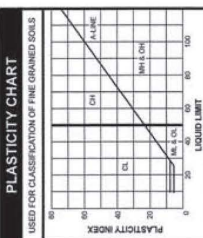
Project No.:
E08307.001

October 2009

GREEN VALLEY ROAD AT WEBER BRIDGE
EXPLORATORY BORING LOG
 Green Valley Road At Weber Bridge
 El Dorado County, California

6-33
SHEET
67
OF
78

U.S. STANDARD SIEVE										SOIL GRAIN SIZE									
8"		6"		3"		3/4"		4		10		40		200					
BOULDER		COBBLE		GRAVEL		FINE COARSE		FINE		MEDIUM COARSE		MEDIUM FINE		SILT CLAY					
150		75		19		4.75		2.0		425		850		0.002					
SOIL GRAIN SIZE IN MILLIMETERS																			
Standard Penetration test										Water Seepage									
2.5" O.D. Modified California Sampler										Moisture Density Test									
5" O.D. Modified California Sampler										No Free Water Encountered									
Shallow Tube Sampler										Moisture Content									
2.5" Hand Driven Layer										Sampling Refusal									
Bulk Sample										Dry Density (pcf)									
Water Level At Time Of Drilling										Moisture Content (%)									
Water Level After Time Of Drilling										Plasticity Index									
Perched Water										Pocket Penetrometer									
										Uncorrected Compression (ASTM D2166)									
										Expansion Index (ASTM D4529)									



SAMPLE DRIVING RECORD	
BLOWS PER FOOT	DESCRIPTION
25	25 Blows drove sampler 12 inches, after initial 6 inches of seating
50/7"	50 Blows drove sampler 7 inches, after initial 6 inches of seating
50/3"	50 Blows drove sampler 3 inches during or after initial 6 inches of seating

Note: To avoid damage to sampling tools, driving is limited to 50 blows per 6 inches during or after seating interval.

[illegible]

REVISIONS				DATE
MARK	DESCRIPTION	DATE	CHKD	
△				PROJECT ENGINEER: <u>Martha McDonnell, P.E.</u> 10/09
				DESIGNED BY: _____
				DRAWN BY: <u>Scott Youngdahl</u> 10/09
△				CHECKED BY: _____



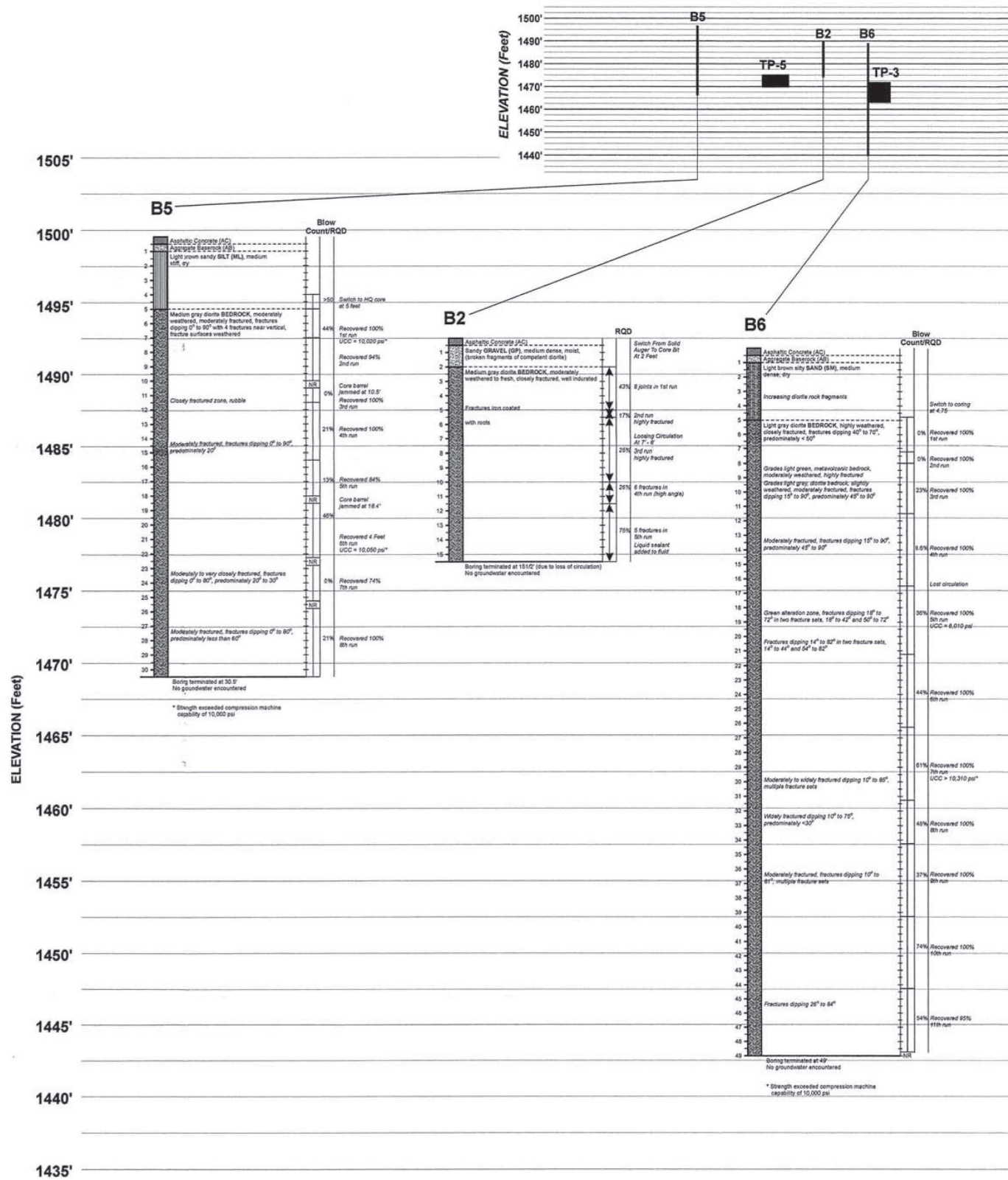
YOUNGDAHL
CONSULTING GROUP, INC.
GEOTECHNICAL • ENVIRONMENTAL • MATERIALS TESTING

Project No.:
E08307.001

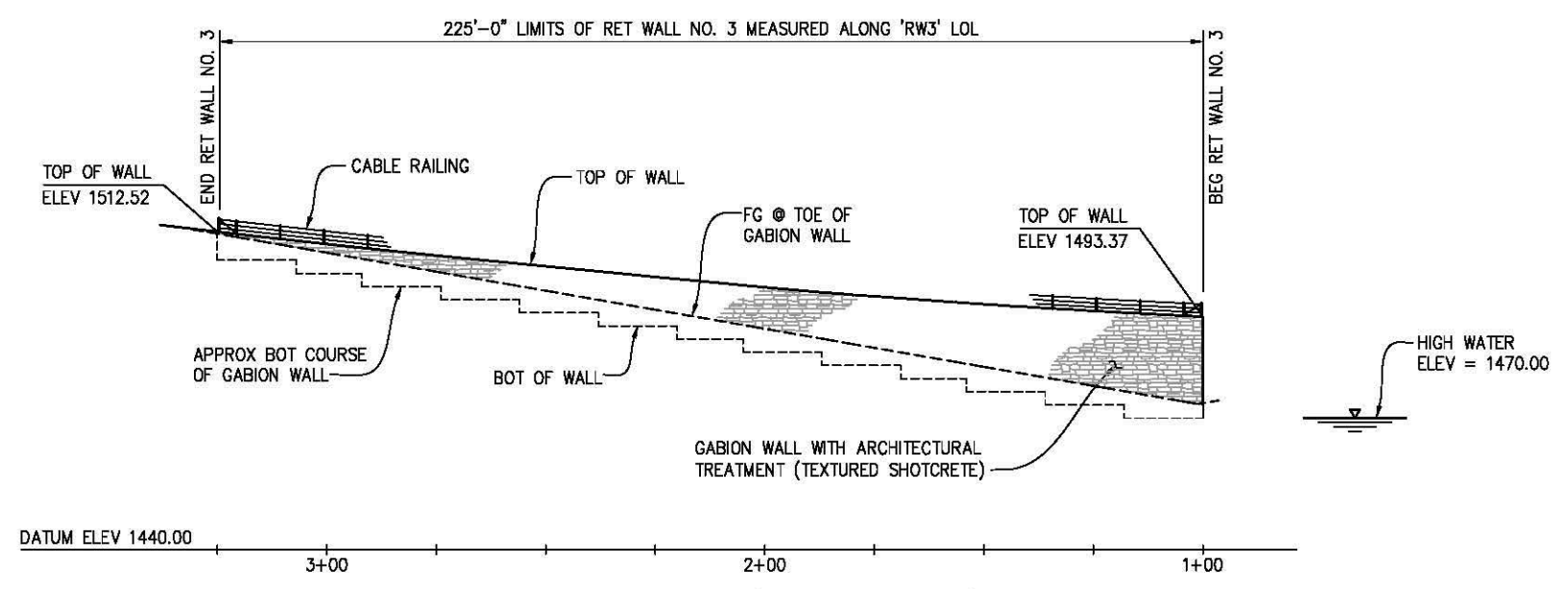
October 2009

GREEN VALLEY ROAD AT WEBER BRIDGE
EXPLORATORY BORING LOG
 Green Valley Road At Weber Bridge
 El Dorado County, California

S-34
SHEET 68 OF 78

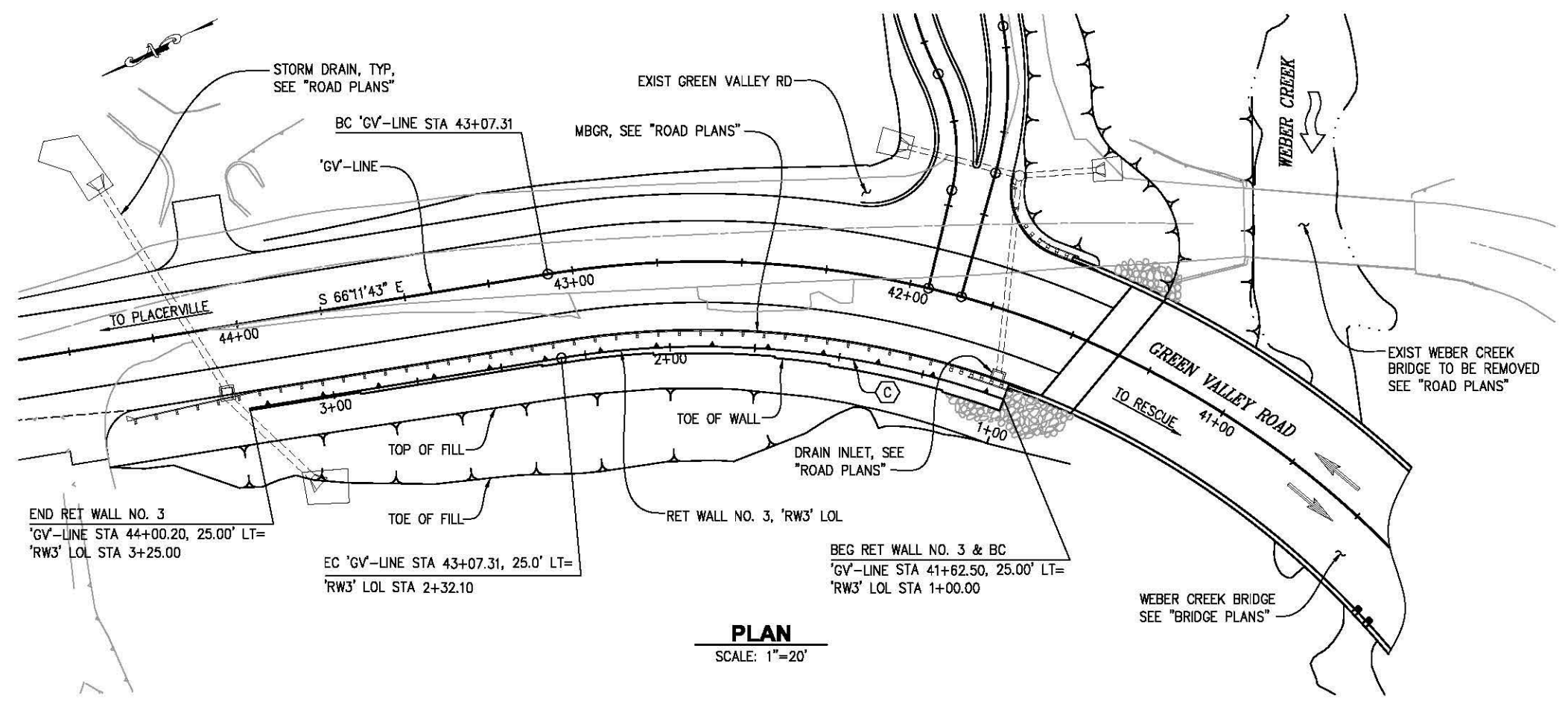


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Drawing name: C:\pwworking\src\lms99384\RW3-01.dwg Layout Tab: Layout1 Aug 19, 2014 - 6:20pm jought
FOR REDUCED PLANS
2
1
0



CURVE DATA				
No.	R	Δ	T	L
⬡	260.00'	29°06'41"	67.51'	132.10'

DEVELOPED ELEVATION
SCALE: 1"=20'



PLAN
SCALE: 1"=20'

**RETAINING WALL NO. 3
INDEX TO PLANS:**

- S-35 GENERAL PLAN
- S-36 TYPICAL SECTION AND GENERAL NOTES
- S-37 FOUNDATION PLAN
- S-38 STRUCTURE PLAN NO. 1 (GABION WALL)
- S-39 STRUCTURE PLAN NO. 2 (GABION WALL)
- S-40 GABION WALL DETAILS
- S-41 DRAINAGE DETAILS
- S-42 ARCHITECTURAL TREATMENT DETAILS
- S-43 EXPLORATORY BORING LOG 1 OF 2
- S-44 EXPLORATORY BORING LOG 2 OF 2

CALTRANS STANDARD PLANS DATED 2006

- A10A ABBREVIATIONS (SHEET 1 OF 2)
- A10B ABBREVIATIONS (SHEET 2 OF 2)
- A10C LINES AND SYMBOLS (SHEET 1 OF 3)
- A10D LINES AND SYMBOLS (SHEET 2 OF 3)
- A10E LINES AND SYMBOLS (SHEET 3 OF 3)
- A62B LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL BRIDGE SURCHARGE AND WALL
- A62C LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL BRIDGE
- RSP B11-47 CABLE RAILING

⬡ STANDARD PLAN SHEET NO.
⬡ DETAIL NO.

NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIALS.
2. FOR DESIGN NOTES AND TYPICAL SECTION, SEE "TYPICAL SECTION & GENERAL NOTES" SHEET.
3. FOR HYDROLOGIC SUMMARY TABLE, SEE "FOUNDATION PLAN" ON BRIDGE PLANS.
4. FOR 'GV'-LINE CURVE DATA, SEE "ROAD PLANS".

LEGEND:

- INDICATES NEW STRUCTURE.
- INDICATES EXISTING FEATURES.
- INDICATES GABION WALL.

**RETAINING WALL NO. 3
GENERAL PLAN
SCALE: AS SHOWN**

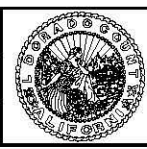
REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

REGISTERED CIVIL ENGINEER
DATE: 8/19/14

DESIGNED: SP
CHECKED: TK
ROAD NUMBER: 002
DRAWN: JDV
DATE: 7/31/12

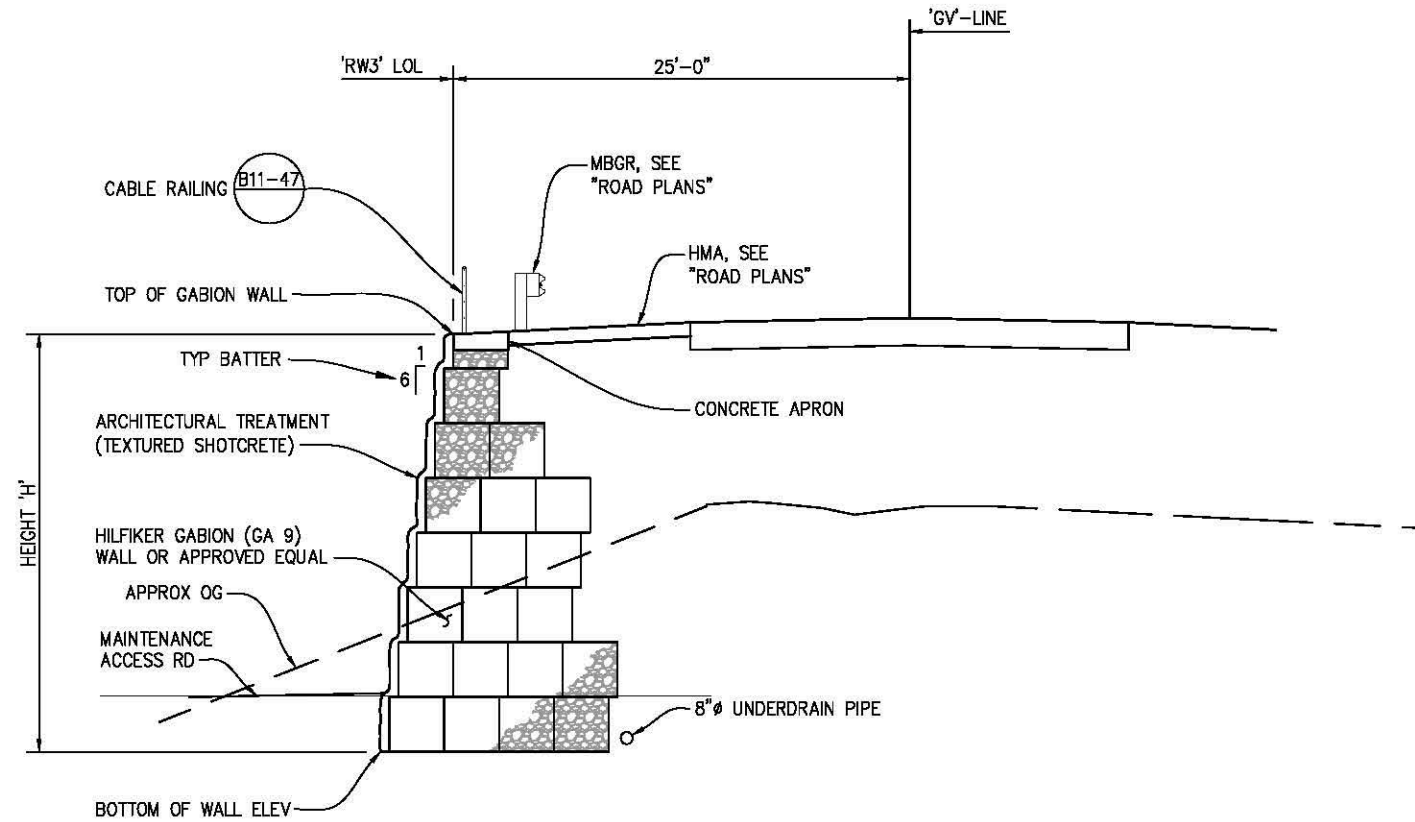


**COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION**

**GREEN VALLEY RD AT WEBER CREEK
BRIDGE REPLACEMENT**

SHEET
S-35
69 OF 78
W.O. No. 77114

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
Drawing name: C:\pwworking\src\dm99384\RW3-02.dwg Layout Tab: Layout1 Aug 19, 2014 - 6:22pm jvaught



RETAINING WALL NO. 3 - TYPICAL SECTION
SCALE: 1"=5'

NOTES:

1. THE CONTRACTOR SHALL VERIFY ALL TOP OF WALL ELEVATIONS.
2. FOR ARCHITECTURAL TREATMENT DETAILS, SEE "ARCHITECTURAL TREATMENT DETAILS" SHEET.

GENERAL NOTES

**LOAD AND RESISTANCE
FACTOR DESIGN**

DESIGN:
AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 4TH EDITION AND THE CALTRANS AMENDMENTS, PREFACE DATED DEC 2008; EXCEPT THAT BRIDGE (INCL. BARRIER AND RAILING) DETAILS TAKEN FROM STANDARD PLANS MARCH 2006 AND EARLIER VERSIONS, STANDARD BRIDGE DETAILS XS SHEETS, ETC) ARE DESIGNED USING BRIDGE DESIGN SPECIFICATIONS (96 AASHTO W/REVISIONS BY CALTRANS).

SEISMIC CRITERIA:

$K_n = 0.28g$

STRUCTURAL STEEL:

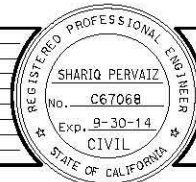
ASTM DESIGNATION: A709/A709M, GRADE 36

QUANTITIES:

GABION	750	CY
BAR REINFORCING STEEL (RETAINING WALL)	6,679	LB
SHOTCRETE	48	CY
ARCHITECTUREAL TREATMENT (SCULPTED SHOTCRETE)	2,272	SF
PREPARE AND STAIN CONCRETE	2,272	SF
MINOR CONCRETE (CONCRETE APRON)	25	CY
CABLE RAILING	225	LF

**RETAINING WALL NO. 3
TYPICAL SECTION AND GENERAL NOTES
SCALE : AS SHOWN**

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF :

REGISTERED CIVIL ENGINEER
DATE: 8/19/14

DESIGNED:	SP	DRAWN:	JDV
CHECKED:	TK	DATE:	7/31/12
ROAD NUMBER:	002		

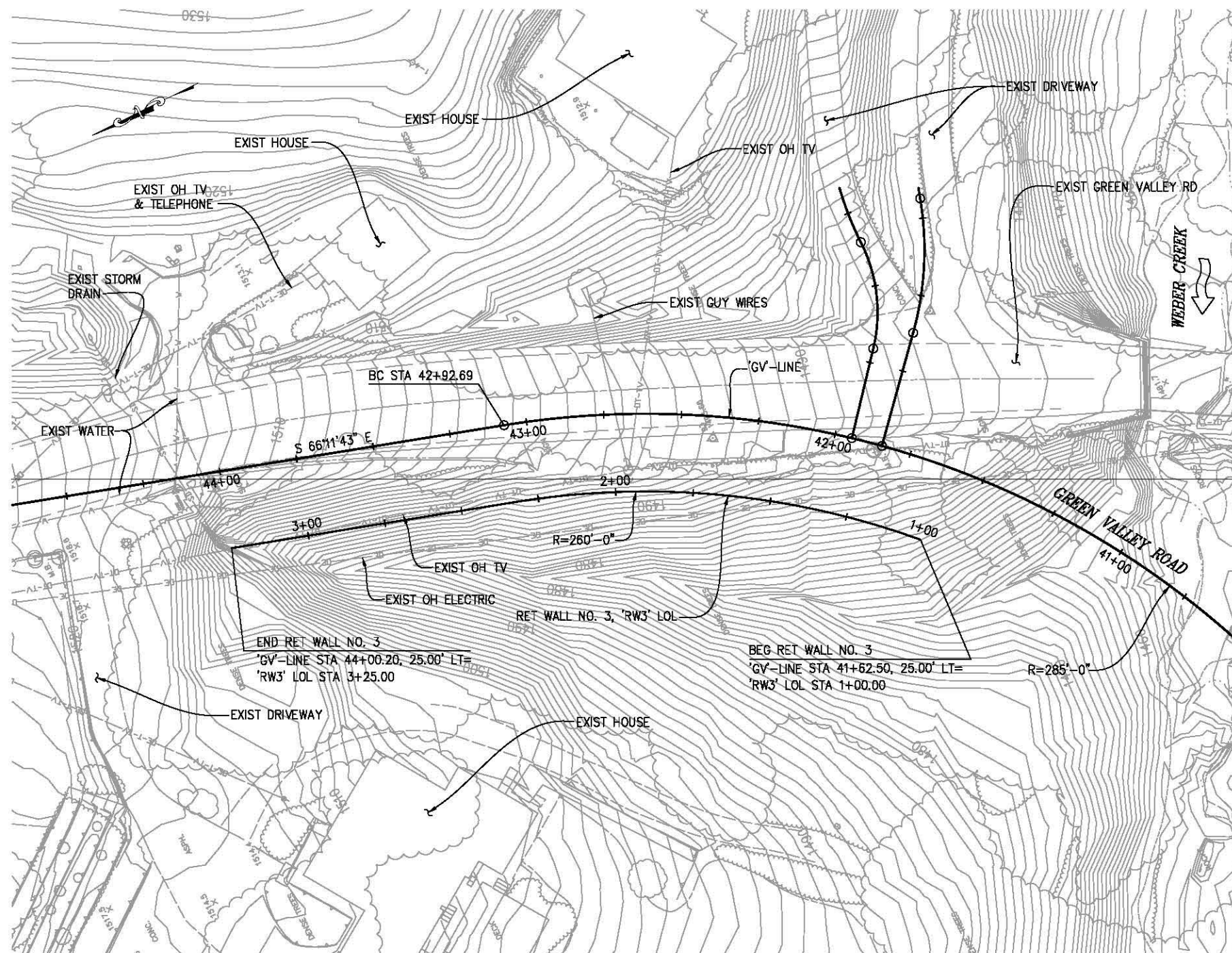


**COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION**

**GREEN VALLEY RD AT WEBER CREEK
BRIDGE REPLACEMENT**

SHEET	S-36
70 OF 78	
W.O. No.	77114

FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
Drawing name: C:\pwworking\src\dm99384\RW3-03.dwg Layout Tab: Layout1 Aug 19, 2014 - 6:24pm jought



PLAN

SCALE: 1"=20'

NOTES:

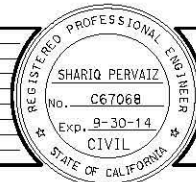
1. FOR SURVEY CONTROL, SEE "ROAD PLANS".
2. CONTOURS SHOWN ARE EXISTING GROUND.
3. SEE "ROAD PLANS" FOR TYPE AND LOCATIONS OF ALL EXISTING AND PROPOSED UTILITIES.
4. LOCATION OF EXISTING UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL VERIFY LOCATIONS OF ALL AFFECTED UTILITIES PRIOR TO PERFORMING ANY EXCAVATION.
5. FOR HYDROLOGIC SUMMARY TABLE, SEE "FOUNDATION PLAN" ON "BRIDGE PLANS".

LEGEND:

- INDICATES RET WALL NO. 3 LOL.
- INDICATES EXISTING FEATURES.

**RETAINING WALL NO. 3
FOUNDATION PLAN
SCALE : AS SHOWN**

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF :

SHARIQ PERVAITZ
No. C67068
Exp. 9-30-14
CIVIL
REGISTERED CIVIL ENGINEER

8/19/14
DATE:

DESIGNED: SP
DRAWN: JDV
CHECKED: TK
DATE: 7/31/12
ROAD NUMBER: 002

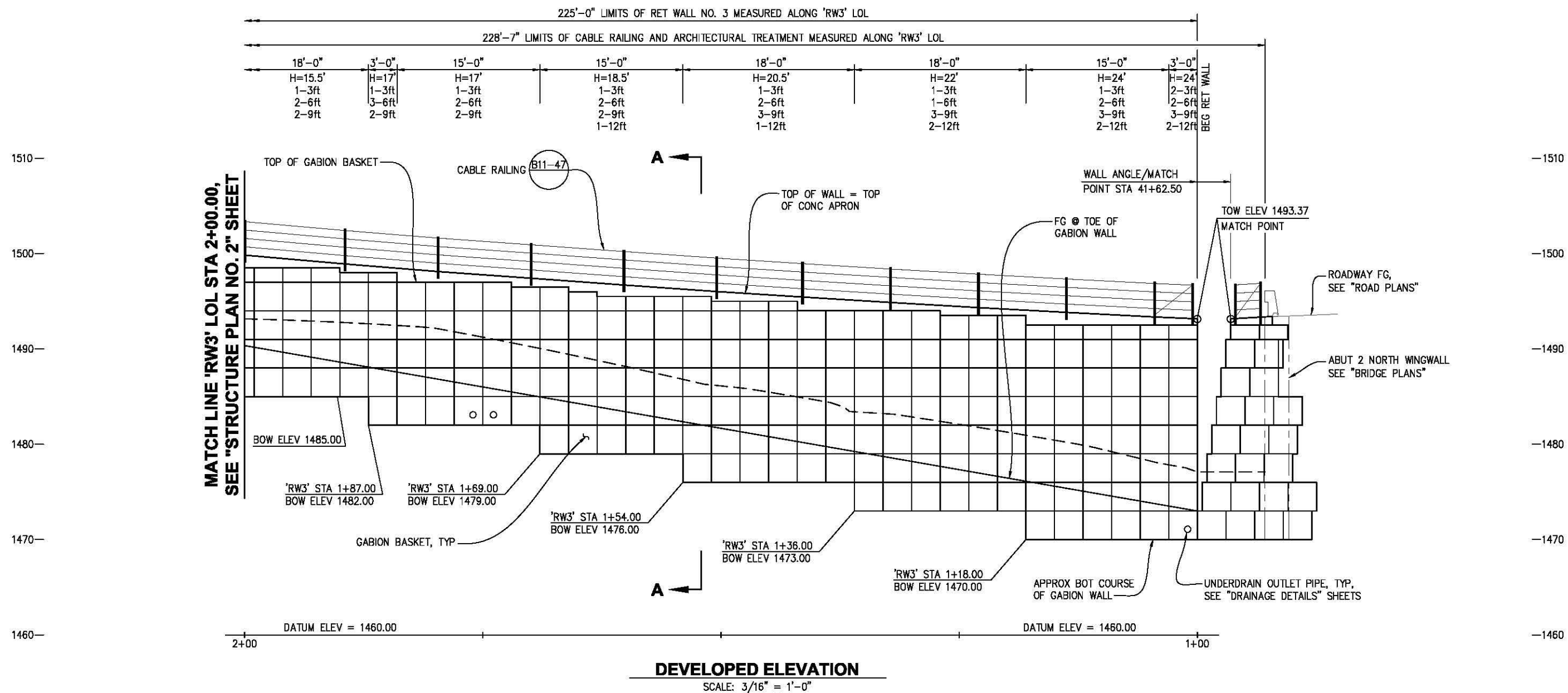


**COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION**

**GREEN VALLEY RD AT WEBER CREEK
BRIDGE REPLACEMENT**

SHEET
S-37
71 OF 78
W.O. No. 77114

ORIGINAL SCALE IS IN INCHES
Drawing name: C:\pwworking\src\lms99384\RW3-04.dwg Layout Tab: Layout1 Aug 19, 2014 - 6:25pm jought
FOR REDUCED PLANS
2
1
0



LEGEND:

- H INDICATES NOMINAL TOTAL HEIGHT OF GABION WALL AT EACH SEGMENT.
TOW INDICATES TOP OF WALL.
BOW INDICATES BOTTOM OF WALL.
3-9ft GABION BASKET WIDTH
NO. OF GABION LAYERS STARTING AT TOP OF WALL. (BASKET LESS THAN 3' DEEP ARE DESIGNATED AS 3 ft, BUT MAY ACTUALLY VARY IN SIZE)

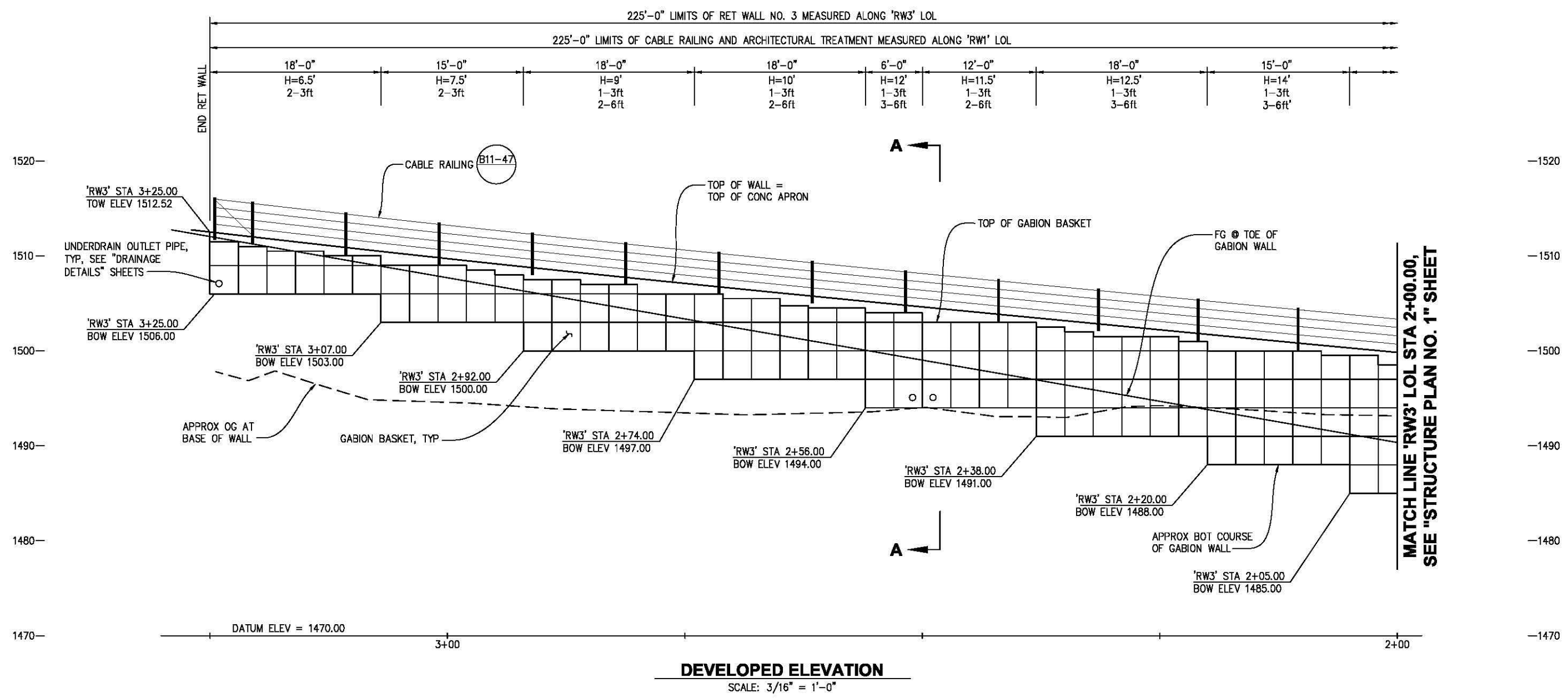
NOTE:

1. ARCHITECTURAL TREATMENT NOT SHOWN.
2. FOR "SECTION A-A", SEE "GABION WALL DETAILS" SHEET.

**RETAINING WALL NO. 3
STRUCTURE PLAN NO. 1 (GABION WALL)
SCALE : AS SHOWN**

REVISION	DESIGNED: SP	DRAWN: JDV	ROAD NUMBER: 002	COUNTY OF EL DORADO COMMUNITY DEVELOPMENT AGENCY TRANSPORTATION DIVISION	GREEN VALLEY RD AT WEBER CREEK BRIDGE REPLACEMENT	SHEET S-38 72 OF 78 W.O. No. 77114
	CHECKED: TK	DATE: 7/31/12				
NUMBER	DATE	DESCRIPTION	BY	PREPARED UNDER THE SUPERVISION OF: SHARIQ PERVAIZ No. C67068 Exp. 9-30-14 CIVIL REGISTERED CIVIL ENGINEER STATE OF CALIFORNIA 8/19/14		

ORIGINAL SCALE IS IN INCHES
Drawing name: C:\pwworking\src\lms99384\RW3-05.dwg Layout Tab: Layout1 Aug 19, 2014 - 6:27pm jought
FOR REDUCED PLANS
2
1
0



LEGEND:

H INDICATES NOMINAL TOTAL HEIGHT OF GABION WALL AT EACH SEGMENT.

TOW INDICATES TOP OF WALL.

BOW INDICATES BOTTOM OF WALL.

3-9ft GABION BASKET WIDTH

NO. OF GABION LAYERS STARTING AT TOP OF WALL. (BASKET LESS THAN 3' DEEP ARE DESIGNATED AS 3 ft, BUT MAY ACTUALLY VARY IN SIZE)

NOTE:

1. ARCHITECTURAL TREATMENT NOT SHOWN.

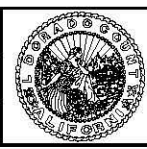
2. FOR "SECTION A-A", SEE "GABION WALL DETAILS NO. 1" SHEET.

RETAINING WALL NO. 3
STRUCTURE PLAN NO. 2 (GABION WALL)
SCALE : AS SHOWN

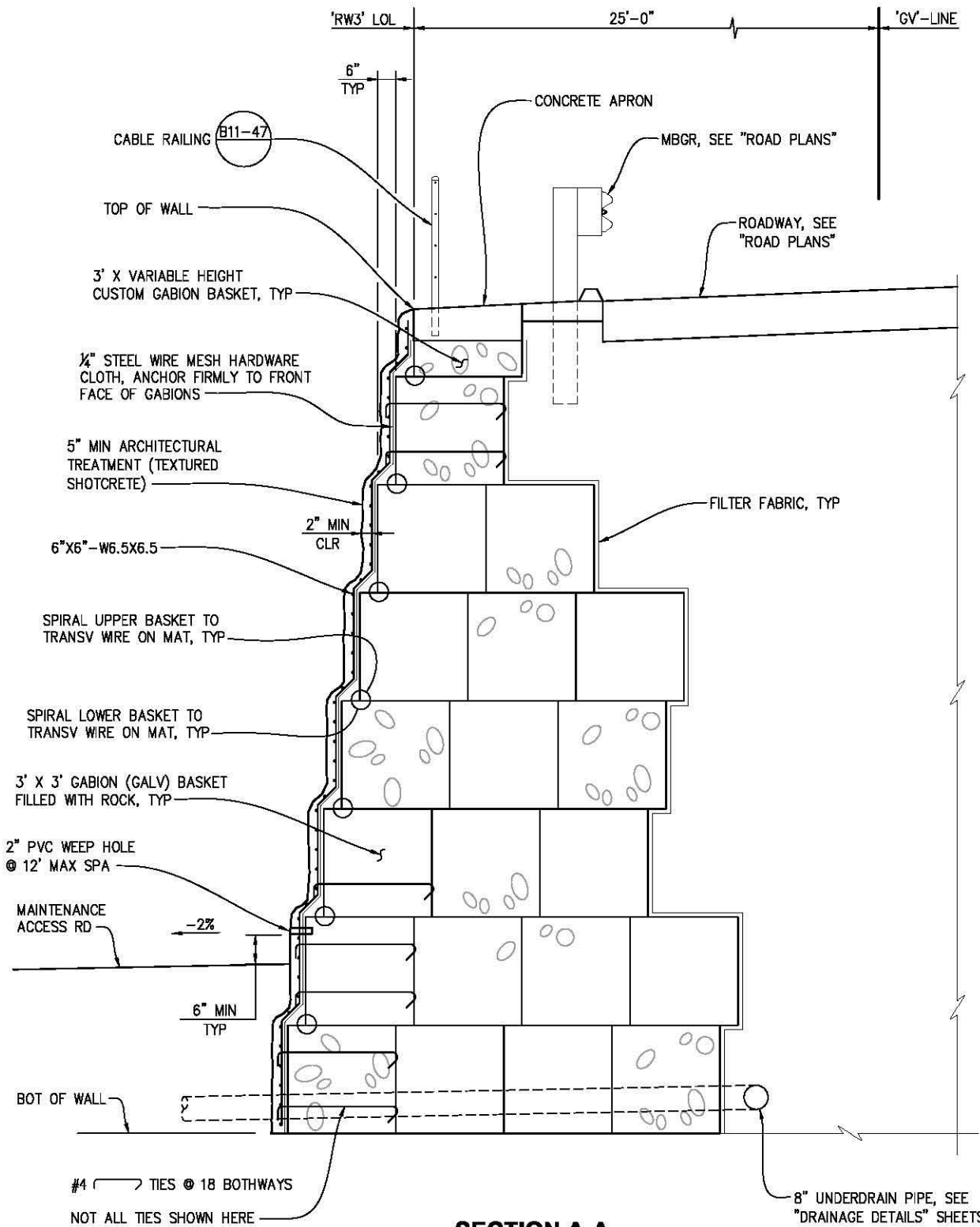
REVISION	PREPARED UNDER THE SUPERVISION OF :				DESIGNED: SP	DRAWN: JDV	COUNTY OF EL DORADO COMMUNITY DEVELOPMENT AGENCY TRANSPORTATION DIVISION	GREEN VALLEY RD AT WEBER CREEK BRIDGE REPLACEMENT	SHEET S-39
	NUMBER	DATE	DESCRIPTION	BY	CHECKED: TK	DATE: 7/31/12			
					ROAD NUMBER: 002				73 OF 78
									W.O. No. 77114



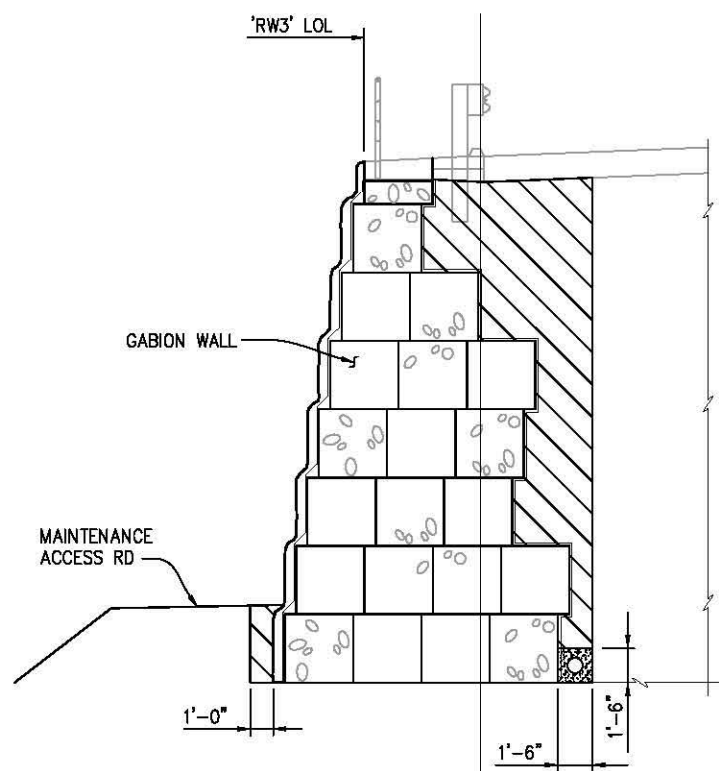
REGISTERED CIVIL ENGINEER
8/19/14



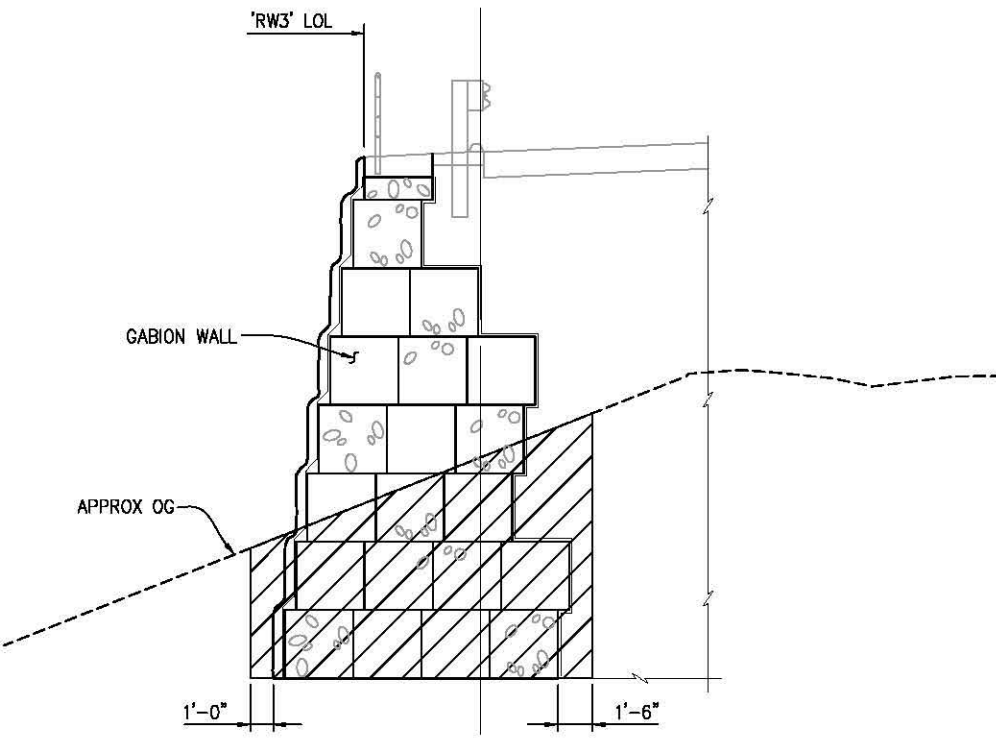
FOR REDUCED PLANS
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SECTION A-A
SCALE: 1/2" = 1'-0"



LIMITS OF BACKFILL
NO SCALE



LIMITS OF EXCAVATION
NO SCALE

- LEGEND:**
- LIMITS OF STRUCTURE EXCAVATION
 - LIMITS OF STRUCTURE BACKFILL
 - LIMITS OF PERMEABLE MATERIAL BACKFILL

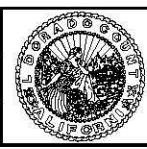
**RETAINING WALL NO. 3
GABION WALL DETAILS
SCALE : AS SHOWN**

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF :
SHARIQ PERVAITZ
No. C67068
Exp. 9-30-14
CIVIL
REGISTERED CIVIL ENGINEER
DATE: 8/19/14

DESIGNED: SP
DRAWN: JDV
CHECKED: TK
DATE: 7/31/12
ROAD NUMBER: 002



**COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION**

**GREEN VALLEY RD AT WEBER CREEK
BRIDGE REPLACEMENT**

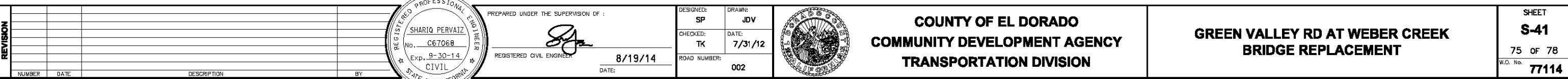
SHEET
S-40
74 OF 78
W.O. No. 77114

FOR REDUCED PLANS

0 1 2

ORIGINAL SCALE IS IN INCHES

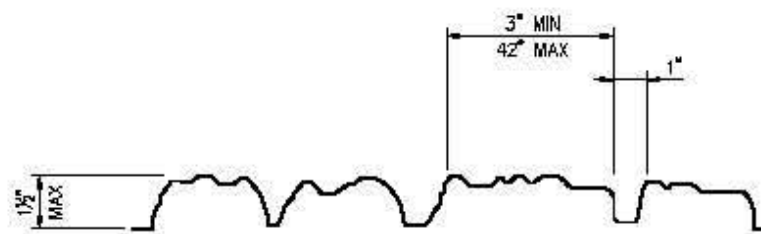
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FOR REDUCED PLANS
ORIGINAL SCALE IS IN INCHES
Drawing name: C:\pwworking\aut\images\DWG-06.dwg Layout Tab: Layout1 Aug 18, 2014 - 8:33am Weight: 2



ELEVATION



SECTION A-A

**ARCHITECTURAL TREATMENT DETAIL
(TEXTURE SHOTCRETE)**

NO SCALE

**RETAINING WALL NO. 3
ARCHITECTURAL TREATMENT DETAILS
SCALE : AS SHOWN**

REVISION	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

REGISTERED CIVIL ENGINEER
DATE: 8/19/14

DESIGNED: SP	DRAWN: DV
CHECKED: TV	DATE: 7/31/12
ROAD NUMBER: 002	

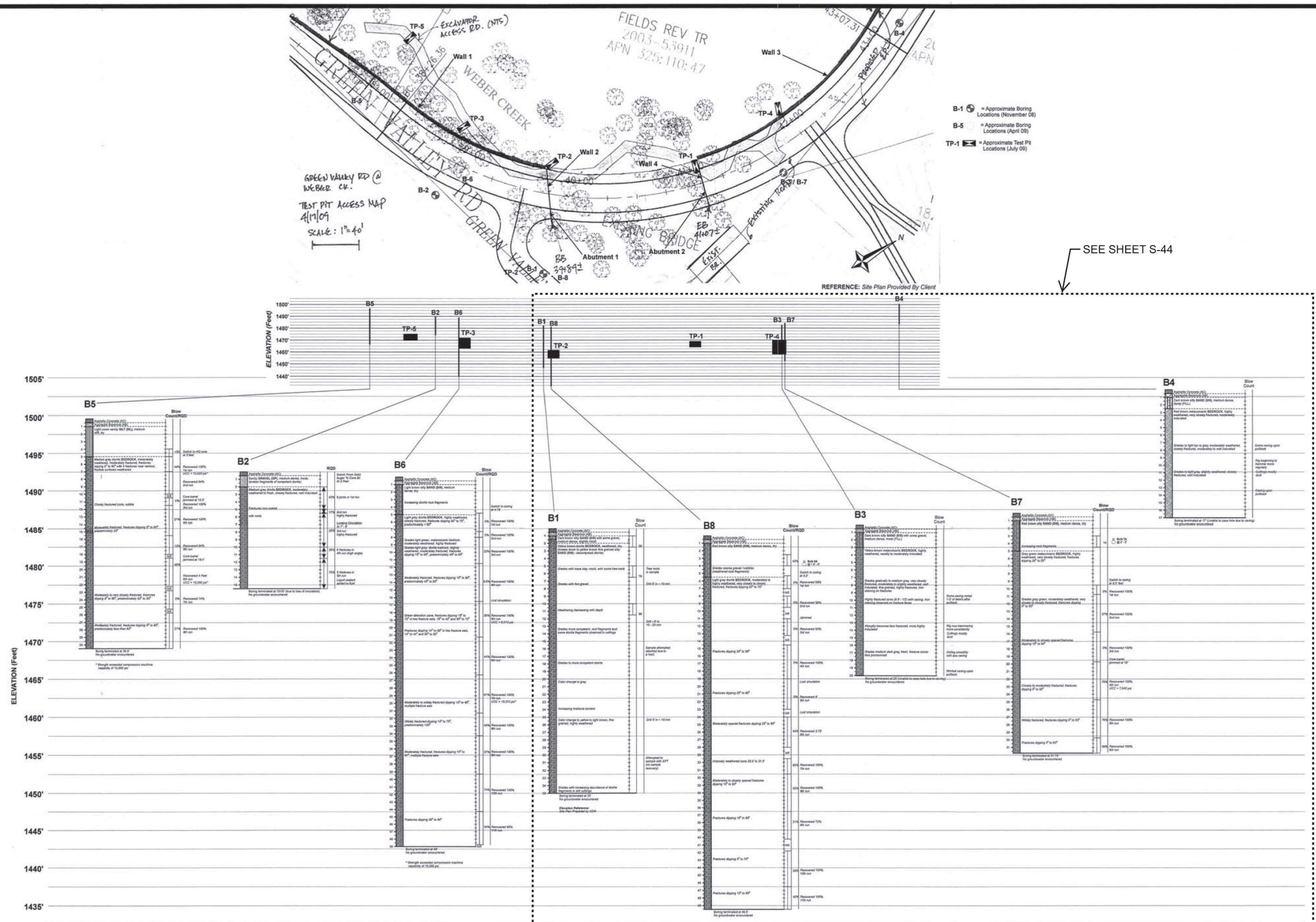
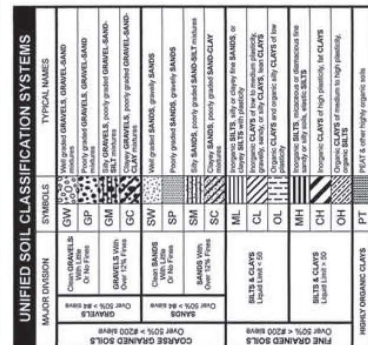
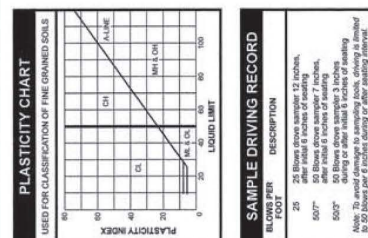
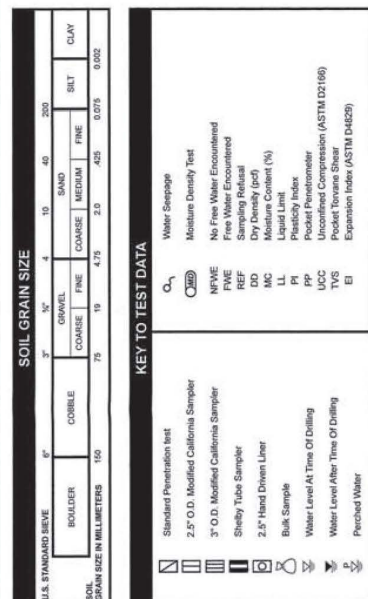


**COUNTY OF EL DORADO
COMMUNITY DEVELOPMENT AGENCY
TRANSPORTATION DIVISION**

**GREEN VALLEY RD AT WEBER CREEK
BRIDGE REPLACEMENT**

SHEET
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75 OF 78
NO. 77114

Note: The boring log indicates subsurface conditions only at the specific location and time noted. Subsurface conditions, including groundwater levels, at other locations of the subject site may differ significantly from conditions which, in the opinion of Youngdahl Consulting Group, Inc., exist at the sampling locations. Note, too, that the passage of time may affect conditions at the sampling locations.



REVISIONS				DATE
MARK	DESCRIPTION	DATE	CHKD	
△				PROJECT ENGINEER: <u>Martha McDonnell, P.E.</u> 10/09
△				DESIGNED BY: <u> </u> <i>mf</i>
△				DRAWN BY: <u>Scott Youngdahl</u> 10/09
△				CHECKED BY: <u> </u> <i>mf</i>



YOUNGDAHL
CONSULTING GROUP, INC.
GEOTECHNICAL • ENVIRONMENTAL • MATERIALS TESTING

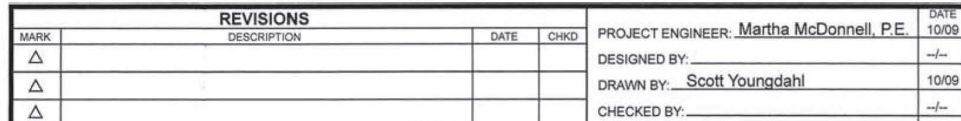
Project No.:
E08307.001

October 2009

GREEN VALLEY ROAD AT WEBER BRIDGE
EXPLORATORY BORING LOG
 Green Valley Road At Weber Bridge
 El Dorado County, California

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SHEET
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OF
78

UNIFIED SOIL CLASSIFICATION SYSTEMS		
MAJOR DIVISION	SYMBOLS	TYPICAL NAMES
FINE GRAINED SOILS	OM	Very poor organic CLAYEY SAND
	OL	Low plastic organic CLAYEY SAND
	OH	High plastic organic CLAYEY SAND
	GP	Poorly graded SAND
	GM	Medium plastic CLAYEY SAND
	GC	Stiff CLAYEY SAND
	GM	Medium plastic CLAYEY SAND
	GC	Stiff CLAYEY SAND
	GM	Medium plastic CLAYEY SAND
	GC	Stiff CLAYEY SAND
COARSE GRAINED SOILS	SW	Very poor sand, poorly graded
	SP	Poorly graded SAND, poorly graded
	SM	Medium plastic SAND, poorly graded SAND
	SC	Stiff SAND, poorly graded SAND
	ML	Low plastic CLAYEY SAND or CLAYEY SILT
	CL	Low plastic CLAYEY SILT or CLAYEY SAND
	CH	High plastic CLAYEY SILT or CLAYEY SAND
	OL	Low plastic organic CLAYEY SAND or CLAYEY SILT
	OH	High plastic organic CLAYEY SAND or CLAYEY SILT
	FINE GRAINED SOILS	PT
PT		POSSIBLY ORGANIC CLAYEY SAND



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SHEET
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78