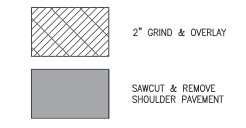


**CONSTRUCTION NOTES**

- (A) CURB RAMP, CASE 'C' @ MID PT. OF CURB RETURN. SEE DETAIL, SHT. 07



**NOTE:**

SEE SHEETS 30-33 FOR GREEN VALLEY ROAD CROSS SECTIONS.

**EID WATERLINE NOTE:**

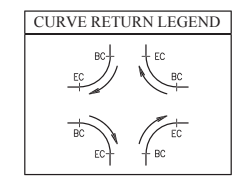
FOR THE EID WATERLINE IN GREEN VALLEY ROAD THE PIPE ZONE BACKFILL SHALL BE STRUCTURE BACKFILL COMPACTED TO 90% RELATIVE DENSITY MEASURED BY CALIFORNIA TEST METHOD 231F OR ASTM METHOD 1557 AND THIS INTERMEDIATE BACKFILL SHALL BE CLASS II AGGREGATE BASE COMPACTED TO 90% RELATIVE DENSITY MEASURED BY CALIFORNIA TEST METHOD 231F OR ASTM METHOD 1557. CEMENT SLURRY OR CLSM SHALL NOT BE USED FOR THE EID WATERLINE. NO EXCEPTIONS.

**DOMESTIC WATER PIPE DATA**

#	BEARING	DISTANCE	DELTA	RADIUS	LENGTH	SIZE
(1)	S66°17'55"E	20.10'				12"
(2)	S68°47'55"E	794.74'				12"

**CURVE DATA**

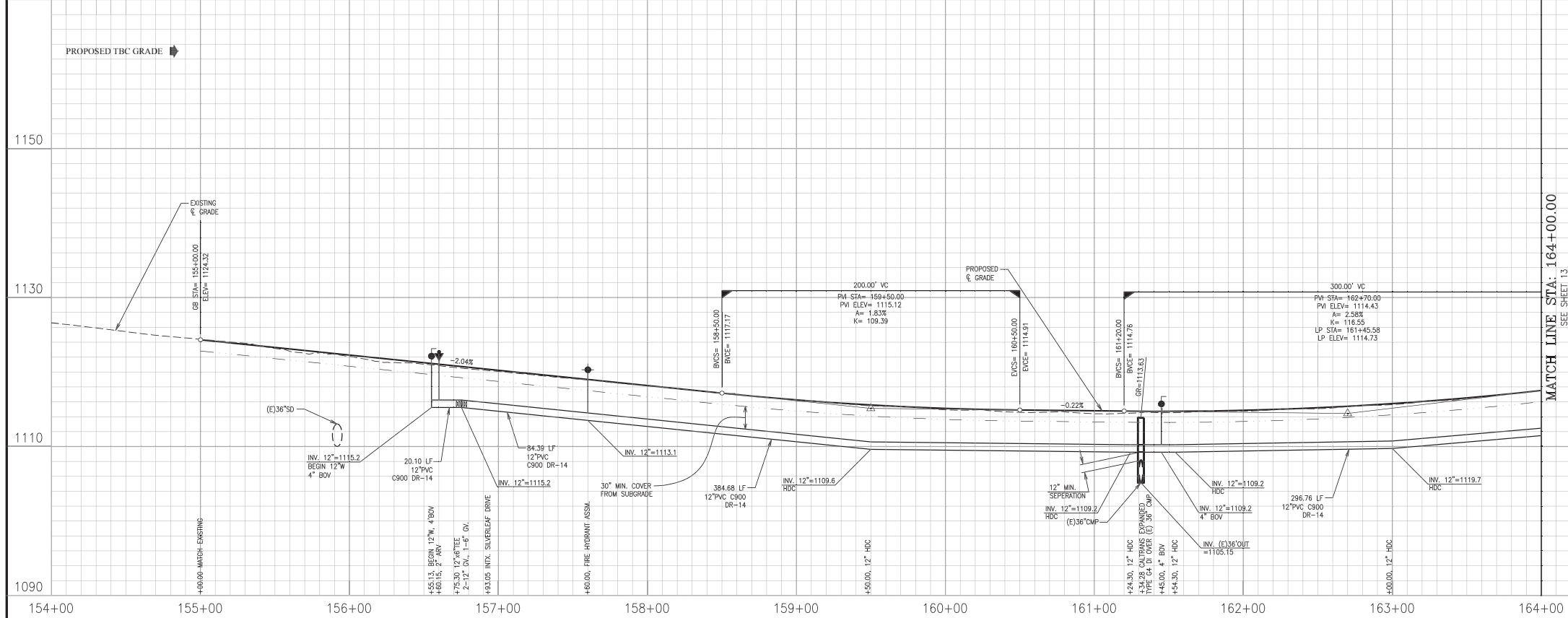
#	DELTA	RADIUS	LENGTH	C.L.
(1)	06°14'05"	3000.00'	326.45'	C.L.
(2)	01°18'44"	1485.50'	34.02'	TBW
(3)	05°02'04"	2526.50'	222.00'	TBW



**CURB RETURN DATA**

#	DELTA	RADIUS	LENGTH	SLOPE	BC EL	1/4 PT EL	1/2 PT EL	3/4 PR EL	EC EL
(1)	87°57'42"	27.50'	42.22'		SEE INTERSECTION DETAIL SHEET 27				TBC
(2)	90°14'36"	27.50'	43.31'		SEE INTERSECTION DETAIL SHEET 27				TBC

PROPOSED CL GRADE (EXISTING) 1124.32, 1123.30, 1122.28, 1121.25, 1120.23, 1119.21, 1118.19, 1117.17, 1116.08, 1116.06, 1115.89, 1115.58, 1115.33, 1115.13, 1114.89, 1114.91, 1114.80, 1114.73, 1114.73, 1114.66, 1115.00, 1115.20, 1115.45, 1115.76, 1116.12, 1116.53, 1117.00, 1117.52



**QUANTITIES**

WATER	
12" PVC C900 DR18	744.17 LF
12" GATE VALVES	2 EA
2" A/RV	1 EA
FIRE HYDRANT ASSEMBLY	1 EA
4" BOX	2 EA

NOTE: THERE SHALL BE A MINIMUM OF 12" VERTICAL CLEARANCE BETWEEN UTILITIES.

**JOB SET TRANSPORTATION**  
07/13/2021  
SIGN: *John Opdam*

**DOUBLE SCALE**

NUMBER	DESCRIPTION	BY	DATE

**REVISION BLK**

**DRAWN BY:** J. WELLS  
**DESIGNED BY:** G. WELLS  
**CHECKED BY:** D. CROSARIOL  
**SCALE:** HORIZ: 1"=40' VERT: 1"=8'  
**DATE:** JUNE, 2021 **F.B. REF.**

**cta** Engineering & Surveying  
Civil Engineering ■ Land Surveying ■ Land Planning  
3233 Monier Circle, Rancho Cordova, CA 95742  
T (916) 638-0919 ■ F (916) 638-2479 ■ www.ctaes.net

PREPARED UNDER THE DIRECTION OF:  
*David R. Crosariol*  
**DAVID R. CROSARIOL** 06-18-21  
DATE

SUMMER BROOK - UNIT 1(PHASE 1 & PHASE 2) 12  
PLAN & PROFILE  
GREEN VALLEY ROAD (STA. 155+00.00 TO 164+00.00)  
EL DORADO COUNTY CALIFORNIA

**SHEET 36**  
JOB NO. 17-135-001

**WATERLINE PHASING**

PHASE 1 - CONSTRUCT WATERLINE ACROSS GREEN VALLEY ROAD. CONSTRUCT 90° FITTING & THRUST BLOCK ALONG WITH 1' STICK OF PIPE TO THE WEST. INSTALL TEMP. 4" END OF THE LINE BOX OUTSIDE OF PAVEMENT. TIE IN TO EXISTING 12" 90° FITTING & GATE VALVE. TIE IN WILL NEED TO BE DONE DURING SCHOOL SUMMER BREAK.

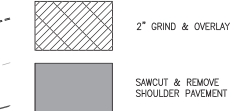
PHASE 2 - CLOSE GATE VALVE. REMOVE TEMP. 4" BOX & INSTALL TEMP. JUMPER OUTSIDE OF PAVEMENT. CONSTRUCT REMAINDER OF WATERLINE IN GREEN VALLEY ROAD. ONCE ALL ONSITE WATER IN UNIT 1 IS COMPLETED & ENTIRE WATER SYSTEM IS TESTED, JUMPER CAN BE REMOVED FOR FINAL TIE IN.

DOMESTIC WATER PIPE DATA					
#	BEARING	DISTANCE	DELTA	RADIUS	LENGTH
3	S68°47'55"E	653.13'			12"
4	S17°30'43"W	32.97'			12"

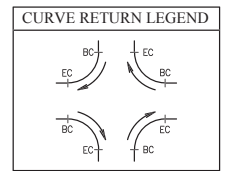
**EID WATERLINE NOTE:**  
FOR THE EID WATERLINE IN GREEN VALLEY ROAD THE PIPE ZONE BACKFILL SHALL BE STRUCTURE BACKFILL COMPACTED TO 90% RELATIVE DENSITY MEASURED BY CALIFORNIA TEST METHOD 231F OR ASTM METHOD 1557 AND THIS INTERMEDIATE BACKFILL SHALL BE CLASS # AGGREGATE BASE COMPACTED TO 90% RELATIVE DENSITY MEASURED BY CALIFORNIA TEST METHOD 231F OR ASTM METHOD 1557. CEMENT SLURRY OR CLM SHALL NOT BE USED FOR THE EID WATERLINE. NO EXCEPTIONS.

**CONSTRUCTION NOTES**

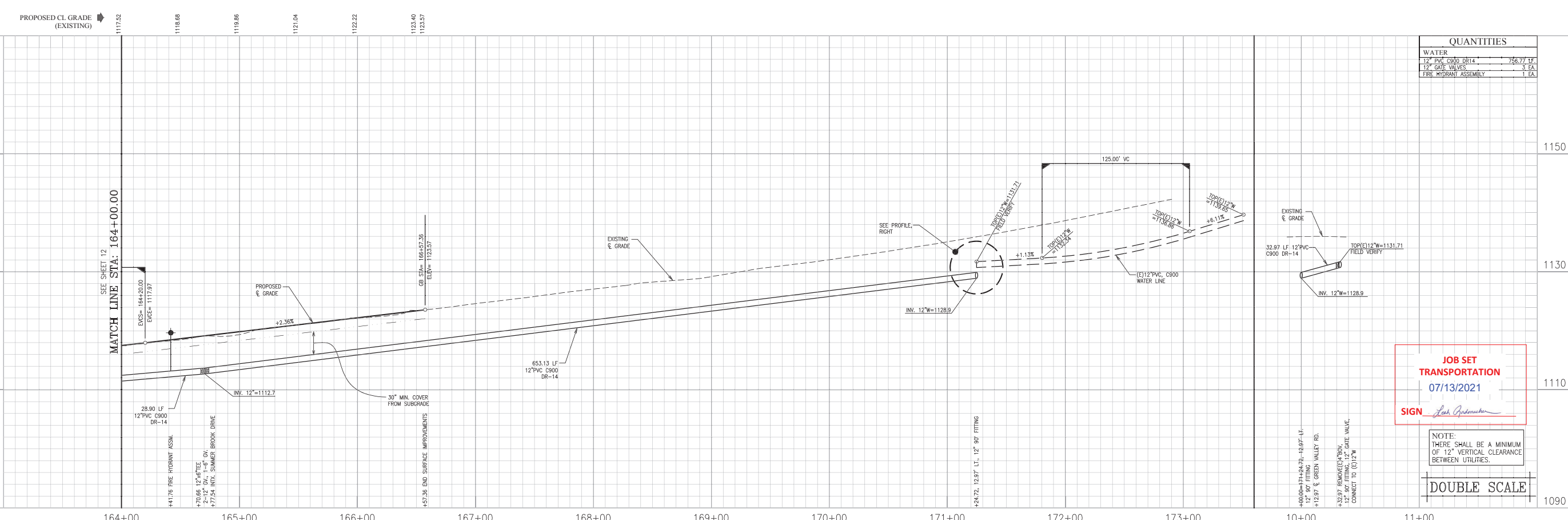
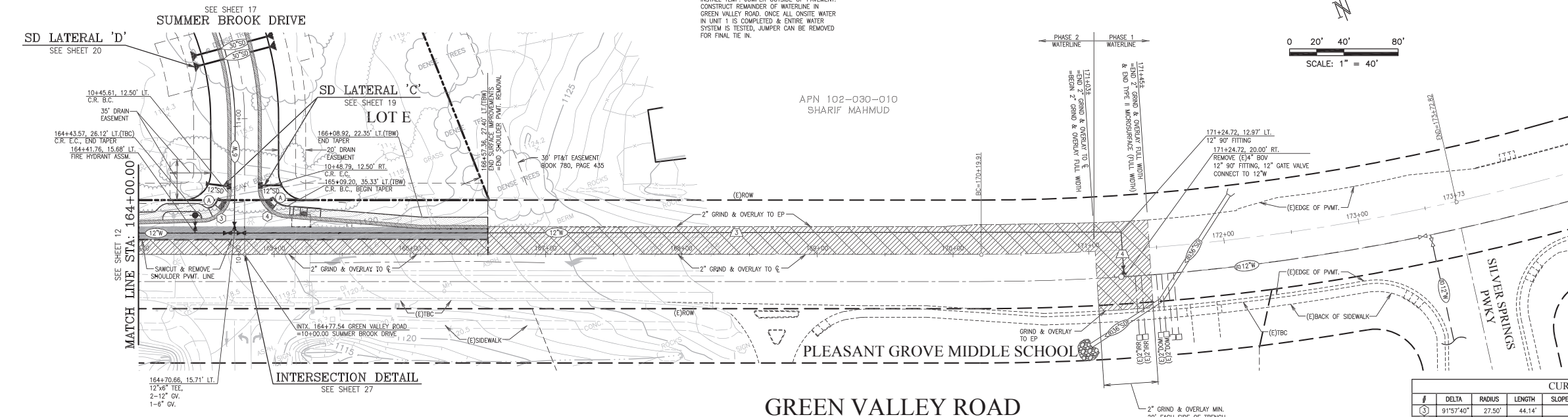
① CURB RAMP, CASE "C" @ MID PT. OF CURB RETURN. SEE DETAIL, SHT. 07



**NOTE:**  
SEE SHEETS 30-33 FOR GREEN VALLEY ROAD CROSS SECTIONS.



CURB RETURN DATA									
#	DELTA	RADIUS	LENGTH	SLOPE	BC EL	1/4 PT. EL	1/2 PT. EL	3/4 PR. EL	EC EL
3	91°57'40"	27.50'	44.14'						TBC
4	90°03'28"	27.50'	43.22'						TBC



QUANTITIES	
WATER	
12" PVC C900 DR14	756.77 LF
12" GATE VALVES	3 EA
FIRE HYDRANT ASSEMBLY	1 EA

**JOB SET TRANSPORTATION**  
07/13/2021  
SIGN *Leah Anderson*

**NOTE:**  
THERE SHALL BE A MINIMUM OF 12" VERTICAL CLEARANCE BETWEEN UTILITIES.

**DOUBLE SCALE**

NUMBER	DESCRIPTION	BY	DATE

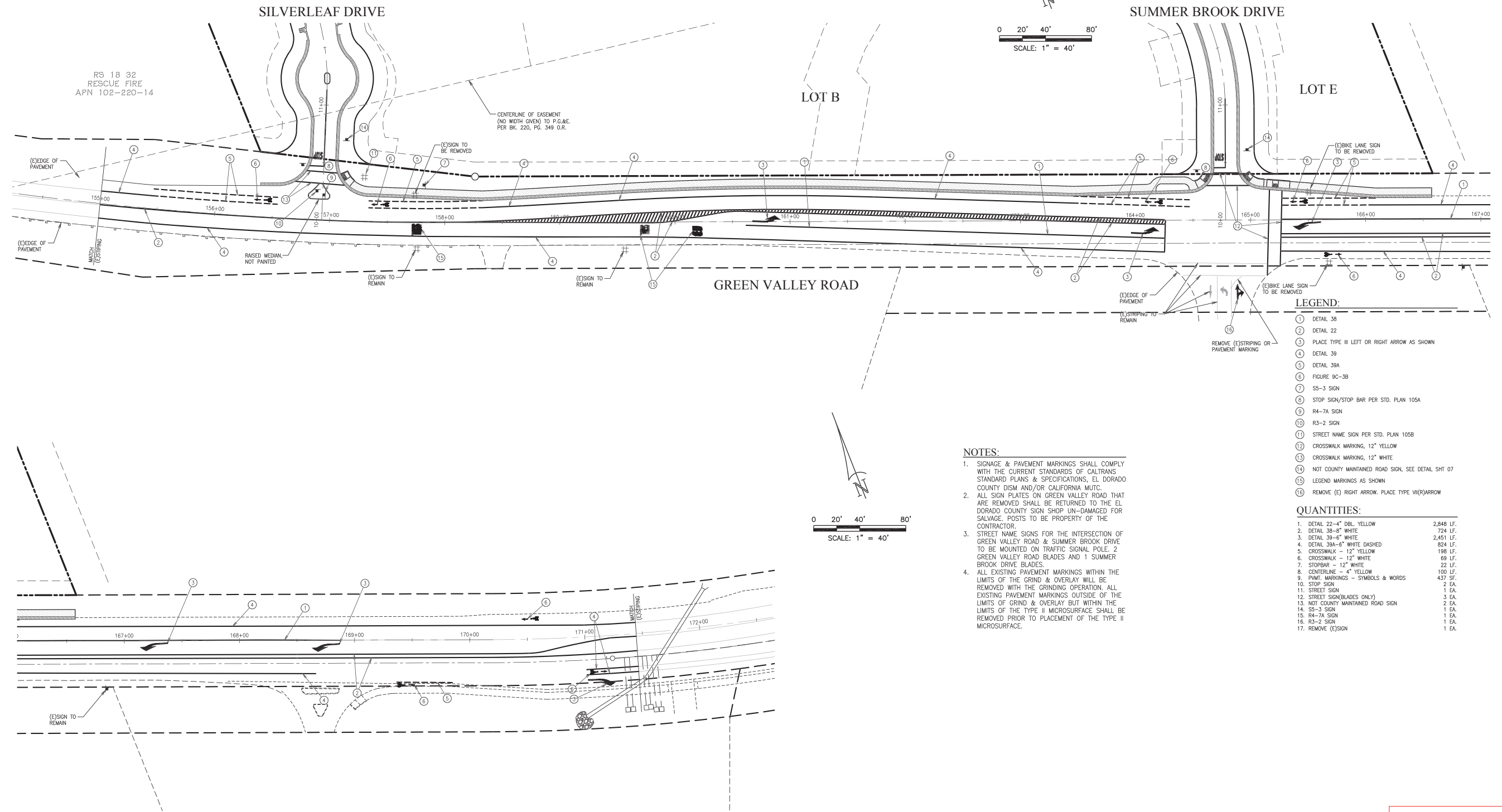
<b>DRAWN BY:</b>	J. WELLS
<b>DESIGNED BY:</b>	G. WELLS
<b>CHECKED BY:</b>	D. CROSARIOL
<b>SCALE:</b>	HORIZ: 1"=40' VERT: 1"=8'
<b>DATE:</b>	JUNE, 2021
<b>F.B. REF.</b>	

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Civil Engineering ■ Land Surveying ■ Land Planning  
3233 Monier Circle, Rancho Cordova, CA 95742  
T (916) 638-0919 • F (916) 638-2479 • www.ctaen.net

PREPARED UNDER THE DIRECTION OF:  
*David R. Crosariol*  
DAVID R. CROSARIOL DATE 06-18-21

IMPROVEMENT PLANS FOR:  
**SUMMER BROOK - UNIT 1(PHASE 1 & PHASE 2)** 13  
PLAN & PROFILE  
GREEN VALLEY ROAD (STA. 165+00.00 TO END)  
EL DORADO COUNTY CALIFORNIA

m:\17-135-001\ENGINEER\PHASE 1\PLANS\17-135-001-IP-SHT-13-P&P-2.dwg, 6/18/2021 11:11:49 AM, jwells, 1:1



**NOTES:**

- SIGNAGE & PAVEMENT MARKINGS SHALL COMPLY WITH THE CURRENT STANDARDS OF CALTRANS STANDARD PLANS & SPECIFICATIONS, EL DORADO COUNTY DISM AND/OR CALIFORNIA MUTC.
- ALL SIGN PLATES ON GREEN VALLEY ROAD THAT ARE REMOVED SHALL BE RETURNED TO THE EL DORADO COUNTY SIGN SHOP UN-DAMAGED FOR SALVAGE. POSTS TO BE PROPERTY OF THE CONTRACTOR.
- STREET NAME SIGNS FOR THE INTERSECTION OF GREEN VALLEY ROAD & SUMMER BROOK DRIVE TO BE MOUNTED ON TRAFFIC SIGNAL POLE. 2 GREEN VALLEY ROAD BLADES AND 1 SUMMER BROOK DRIVE BLADES.
- ALL EXISTING PAVEMENT MARKINGS WITHIN THE LIMITS OF THE GRIND & OVERLAY WILL BE REMOVED WITH THE GRINDING OPERATION. ALL EXISTING PAVEMENT MARKINGS OUTSIDE OF THE LIMITS OF GRIND & OVERLAY BUT WITHIN THE LIMITS OF THE TYPE II MICROSURFACE SHALL BE REMOVED PRIOR TO PLACEMENT OF THE TYPE II MICROSURFACE.

**LEGEND:**

- 1 DETAIL 38
- 2 DETAIL 22
- 3 PLACE TYPE III LEFT OR RIGHT ARROW AS SHOWN
- 4 DETAIL 39
- 5 DETAIL 39A
- 6 FIGURE 9C-3B
- 7 SS-3 SIGN
- 8 STOP SIGN/STOP BAR PER STD. PLAN 105A
- 9 R4-7A SIGN
- 10 R3-2 SIGN
- 11 STREET NAME SIGN PER STD. PLAN 105B
- 12 CROSSWALK MARKING, 12" YELLOW
- 13 CROSSWALK MARKING, 12" WHITE
- 14 NOT COUNTY MAINTAINED ROAD SIGN, SEE DETAIL SHT 07
- 15 LEGEND MARKINGS AS SHOWN
- 16 REMOVE (E) RIGHT ARROW. PLACE TYPE VII(R)ARROW

**QUANTITIES:**

1. DETAIL 22-4" DBL YELLOW	2,848 LF.
2. DETAIL 38-8" WHITE	724 LF.
3. DETAIL 39-6" WHITE	2,451 LF.
4. DETAIL 39A-6" WHITE DASHED	824 LF.
5. CROSSWALK - 12" YELLOW	198 LF.
6. CROSSWALK - 12" WHITE	69 LF.
7. STOPBAR - 12" WHITE	22 LF.
8. CENTERLINE - 4" YELLOW	100 LF.
9. PAVT. MARKINGS - SYMBOLS & WORDS	437 SF.
10. STOP SIGN	2 EA.
11. STREET SIGN	1 EA.
12. STREET SIGN(BLADES ONLY)	3 EA.
13. NOT COUNTY MAINTAINED ROAD SIGN	2 EA.
14. SS-3 SIGN	1 EA.
15. R4-7A SIGN	1 EA.
16. R3-2 SIGN	1 EA.
17. REMOVE (E)SIGN	1 EA.

**JOB SET  
TRANSPORTATION**  
07/13/2021  
SIGN *Josh Anderson*

NUMBER	DESCRIPTION	BY	DATE

<b>DRAWN BY:</b> J. WELLS
<b>DESIGNED BY:</b> G. WELLS
<b>CHECKED BY:</b> D. CROSARIOL
<b>SCALE:</b> 1"=40'
<b>DATE:</b> JUNE, 2021
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PREPARED UNDER THE DIRECTION OF:  
*David R. Crosariol*  
DAVID R. CROSARIOL  
DATE: 06-18-21  
REGISTERED PROFESSIONAL ENGINEER  
C34520  
Exp. 9-30-21  
STATE OF CALIFORNIA

IMPROVEMENT PLANS FOR:  
**SUMMER BROOK - UNIT 1(PHASE 1 & PHASE 2)**  
STRIPING PLAN  
EL DORADO COUNTY

SHEET  
**34**  
OF  
**36**  
JOB NO. 17-135-001