

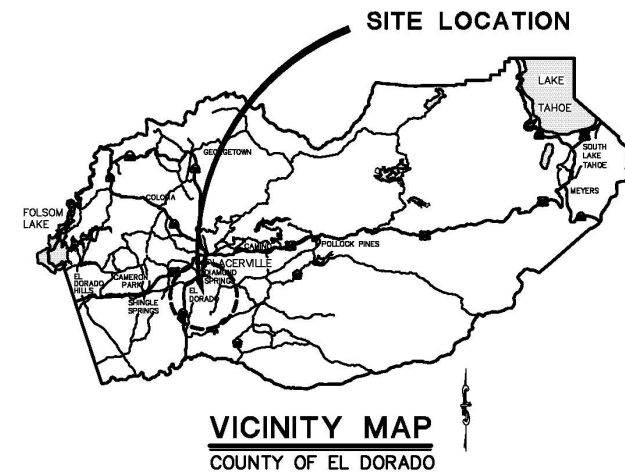
**INDEX OF SHEETS**

SHEET	PLAN SHEET	TITLE
1		TITLE SHEET
2	SPD-1	STRIPING LAYOUT & QUANTITIES
3	CS-1	CONSTRUCTION AREA SIGNS
4-6	E-1 TO E-3	ELECTRICAL LAYOUT
7	E-4	ELECTRICAL LAYOUT & REMOVAL
8-9	E-5 TO E-6	SIGNAL MODIFICATION

**COUNTY OF EL DORADO, CA**  
**COMMUNITY DEVELOPMENT AGENCY**  
**TRANSPORTATION DIVISION**  
 PROJECT PLANS FOR THE CONSTRUCTION OF  
**GREEN VALLEY ROAD**  
**TRAFFIC SIGNAL INTERCONNECT**

IN THE COUNTY OF EL DORADO, DISTRICT 1  
 ON GREEN VALLEY ROAD FROM MILEPOST 1.51 TO MILEPOST 2.14

To be supplemented with Standard Plans and Specifications dated 2010, including the Revised Standard Specifications, of the California Department of Transportation, unless otherwise noted.



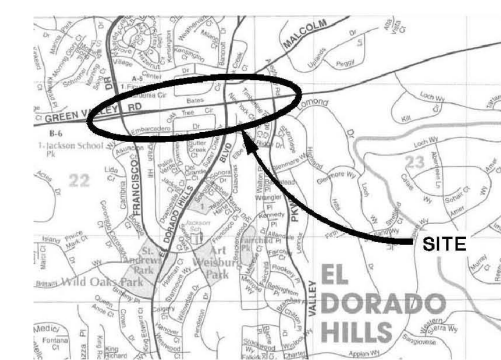
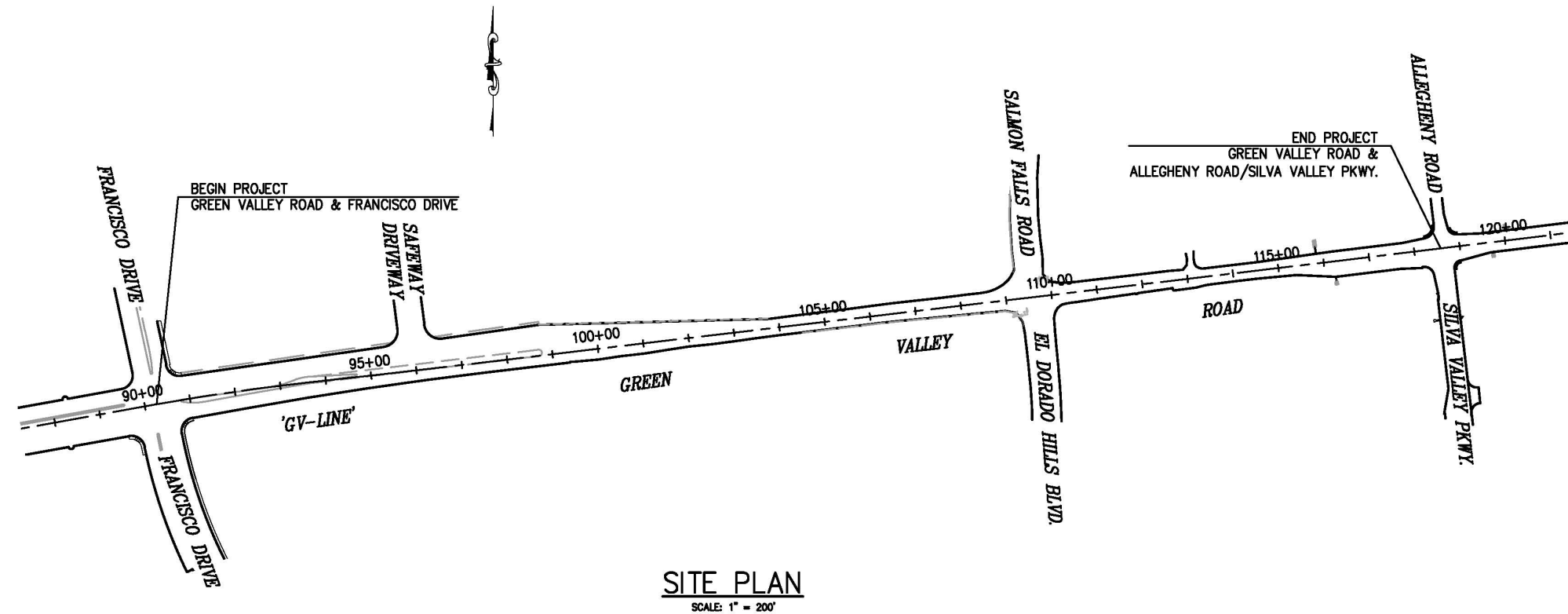
**BOARD OF SUPERVISORS**

RON MIKULACO	I
SHIVA FRENTZEN	II
BRIAN K. VEERKAMP	III
MICHAEL RANALLI	IV
SUE NOVASEL	V

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

ADOPTED AND APPROVED BY:

BRIAN K. VEERKAMP CHAIR, EL DORADO COUNTY BOARD OF SUPERVISORS	DATE
APPROVED BY:	DATE
STEVEN M. PEDRETTI COMMUNITY DEVELOPMENT AGENCY DIRECTOR	DATE
MATTHEW D. SMELTZER, P.E., NO. C81852 SEAL, DIRECTOR, ENGINEERING DIVISION	DATE



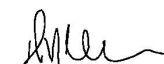
**FEDERAL AID PROJECT**  
**HSIPL 5925 (115)**

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

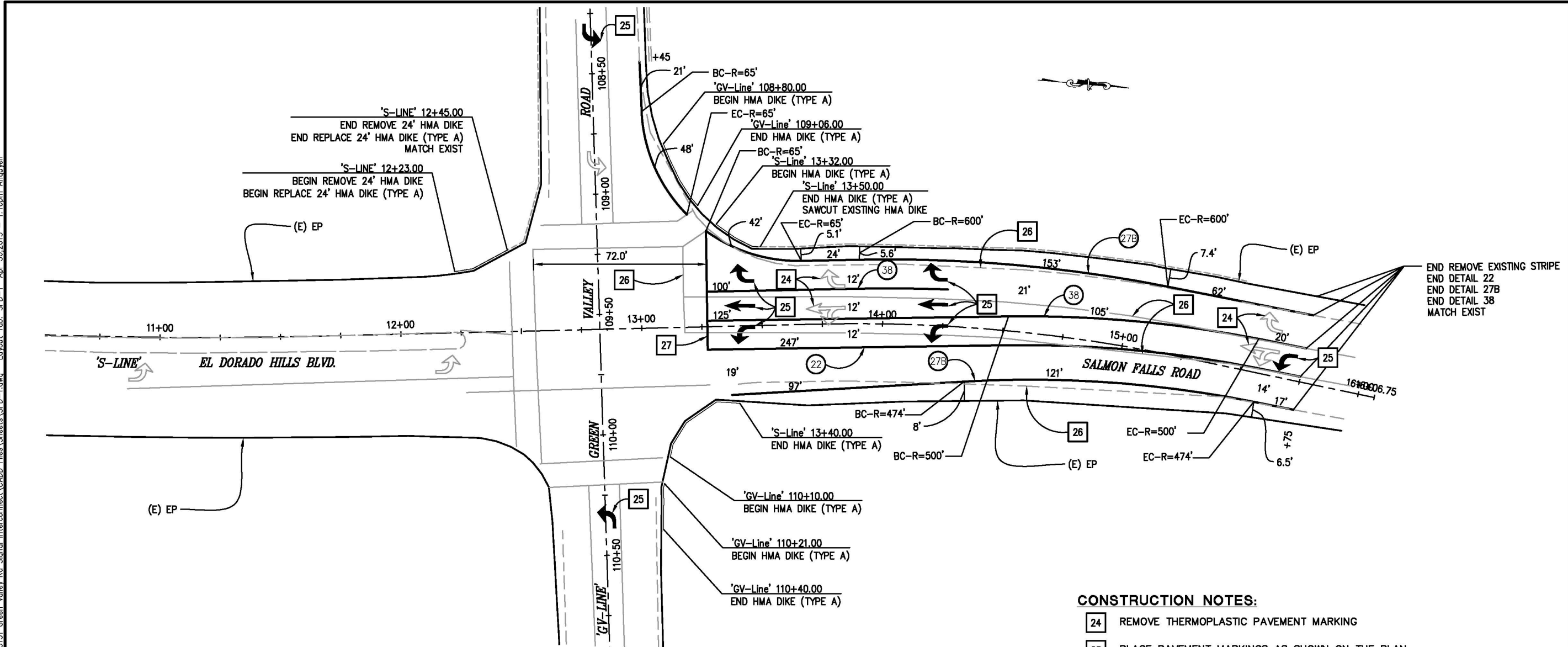


  
 DUSTIN W. HARRINGTON  
 REGISTERED CIVIL ENGINEER No. 71517  
 6/2/2015  
 DATE

PW NO. 14-31065 PROJECT NO. 73151  
**GREEN VALLEY ROAD**  
**TRAFFIC SIGNAL INTERCONNECT**  
**TITLE SHEET**  
 SHEET 1 OF 9

Drawing name: C:\Civil\_3D\Projects\73151 Green Valley Rd Signal Interconnect\CADD Files\Sheets\Title.dwg Layout Tab: Title Apr 30, 2015 - 1:08pm Anguyen

ORIGINAL SCALE IS IN INCHES  
 Drawing name: C:\Civil\_3D\Projects\73151\_Green\_Valley\_Rd\_Signal\_Interconnect\CADD\_Files\Sheets\SPD-1.dwg Layout Tab: SPD-1 Apr 30, 2015 - 1:10pm Anouwen  
 FOR REDUCED PLANS  
 0 1 2



END REMOVE EXISTING STRIPE  
 END DETAIL 22  
 END DETAIL 27B  
 END DETAIL 38  
 MATCH EXIST

**CONSTRUCTION NOTES:**

- 24 REMOVE THERMOPLASTIC PAVEMENT MARKING
- 25 PLACE PAVEMENT MARKINGS AS SHOWN ON THE PLAN
- 26 REMOVE THERMOPLASTIC TRAFFIC STRIPE
- 27 PLACE LIMIT LINE

REMOVE THERMOPLASTIC TRAFFIC STRIPE	
THERMOPLASTIC TRAFFIC STRIPE	PAVEMENT MARKER
(LF)	(EA)
1599	39

REMOVE PAVEMENT MARKINGS			
SYMBOL DESCRIPTION - STANDARD PLAN	QUANTITY (EA)	AREA (SF)	TOTAL AREA (SF)
TYPE IV (R) - A24A	2	15	30
TYPE VII (L) - A24A	2	27	54
CROSSWALK & LIMIT LINE - A24D		40	40
<b>TOTAL</b>			<b>124</b>

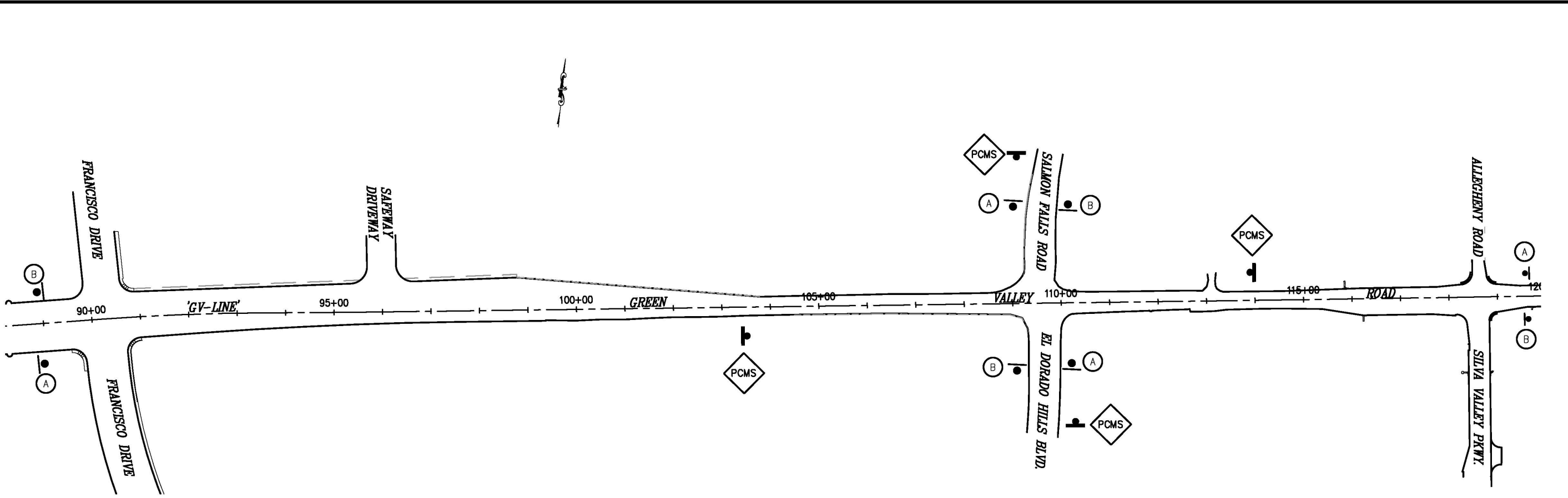
DETAIL No. / STANDARD PLAN	THERMOPLASTIC TRAFFIC STRIPE					PAVEMENT MARKER (RETROREFLECT)	
	4" (S)	8" (S)	4" (S)	TYPE D (EA)	TYPE G (EA)		
22 - A20A			494	26			
27B - A20B	235						
	350						
38 - A20D		100			8		
		250			14		
<b>TOTAL</b>	<b>585</b>	<b>350</b>	<b>494</b>	<b>26</b>	<b>22</b>		

PAVEMENT MARKINGS			
SYMBOL DESCRIPTION - STANDARD PLAN	QUANTITY (EA)	AREA (SF)	TOTAL AREA (SF)
TYPE I (10'-0") - A24A	2	14	28
TYPE IV (L) - A24A	5	15	75
TYPE IV (R) - A24A	2	15	30
CROSSWALK & LIMIT LINE - A24D		50	50
<b>TOTAL</b>			<b>183</b>

**STRIPING LAYOUT & QUANTITIES**  
SCALE : 1" = 20'

REVISION NUMBER DATE DESCRIPTION BY		PREPARED UNDER THE SUPERVISION OF:  REGISTERED CIVIL ENGINEER 6/2/2015	DESIGNED: AN DRAWN: AN CHECKED: DH DATE: 6/2/2015 ROAD NUMBER: 2	<p> <b>COUNTY OF EL DORADO</b>  <b>COMMUNITY DEVELOPMENT AGENCY</b>  <b>TRANSPORTATION DIVISION</b> </p>	<p> <b>GREEN VALLEY ROAD TRAFFIC</b>  <b>SIGNAL INTERCONNECT</b> </p>	SHEET <b>SPD-1</b> 2 of 9 W.D. No. <b>73151</b>
--	--	---	--	--	---	--

ORIGINAL SCALE IS IN INCHES  
 Drawing name: C:\Civil\_3D\Projects\73151\_Green\_Valley\_Rd\_Signal\_Interconnect\CADD\_Files\Sheets\CS-1.dwg Layout Tab: Title Apr 30, 2015 -- 2:19pm Anquyen  
 FOR REDUCED PLANS  
 0 1 2



	FIRST FLASH	SECOND FLASH
	ROAD WORK AHEAD	REDUCE SPEED

SIGN	DESCRIPTION
	W20-1 ROAD WORK AHEAD
	G20-1 END ROAD WORK

CONSTRUCTION AREA SIGNS  
SCALE : 1" = 20'

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:  
  
 REGISTERED CIVIL ENGINEER  
 DATE: \_\_\_\_\_

DESIGNED: AN  
 DRAWN: AN  
 CHECKED: DH  
 DATE: 6/2/2015  
 ROAD NUMBER: 2



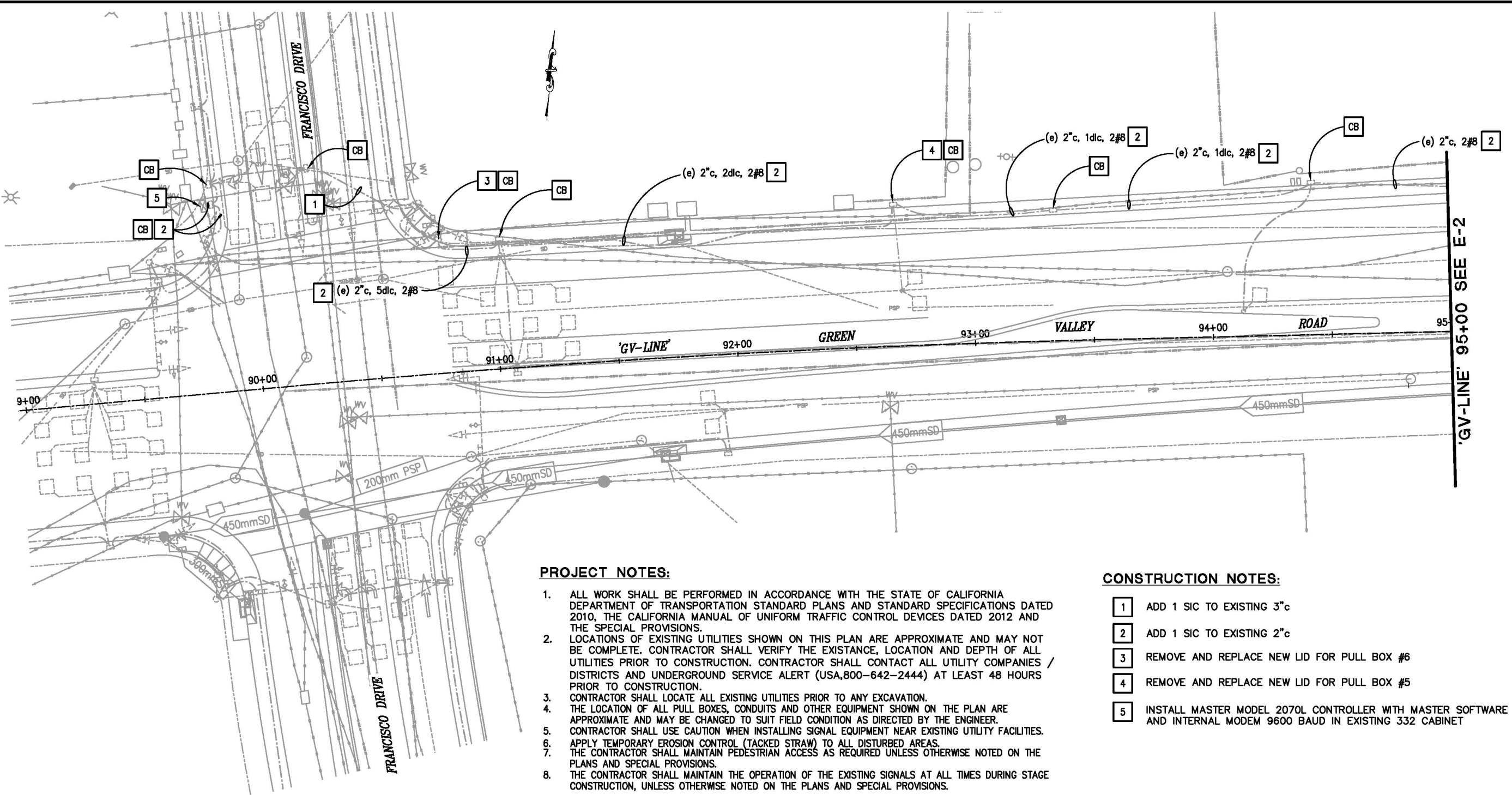
COUNTY OF EL DORADO  
 COMMUNITY DEVELOPMENT AGENCY  
 TRANSPORTATION DIVISION

GREEN VALLEY ROAD TRAFFIC  
 SIGNAL INTERCONNECT

SHEET  
 CS-1  
 3 OF 9  
 W.O. No. 73151

ORIGINAL SCALE IS IN INCHES  
Drawing name: C:\Civil\_3D\Projects\73151\_Green\_Valley\_Rd\_Signal\_Interconnect\CADD\_Files\Sheets\1-1.dwg Layout Tab: E-1 Apr 30, 2015 - 2:22pm Anouwen

FOR REDUCED PLANS  
2  
1  
0



**PROJECT NOTES:**

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND STANDARD SPECIFICATIONS DATED 2010, THE CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES DATED 2012 AND THE SPECIAL PROVISIONS.
2. LOCATIONS OF EXISTING UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE AND MAY NOT BE COMPLETE. CONTRACTOR SHALL VERIFY THE EXISTANCE, LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES / DISTRICTS AND UNDERGROUND SERVICE ALERT (USA,800-642-2444) AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
3. CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES PRIOR TO ANY EXCAVATION.
4. THE LOCATION OF ALL PULL BOXES, CONDUITS AND OTHER EQUIPMENT SHOWN ON THE PLAN ARE APPROXIMATE AND MAY BE CHANGED TO SUIT FIELD CONDITION AS DIRECTED BY THE ENGINEER.
5. CONTRACTOR SHALL USE CAUTION WHEN INSTALLING SIGNAL EQUIPMENT NEAR EXISTING UTILITY FACILITIES.
6. APPLY TEMPORARY EROSION CONTROL (TACKED STRAW) TO ALL DISTURBED AREAS.
7. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AS REQUIRED UNLESS OTHERWISE NOTED ON THE PLANS AND SPECIAL PROVISIONS.
8. THE CONTRACTOR SHALL MAINTAIN THE OPERATION OF THE EXISTING SIGNALS AT ALL TIMES DURING STAGE CONSTRUCTION, UNLESS OTHERWISE NOTED ON THE PLANS AND SPECIAL PROVISIONS.

**CONSTRUCTION NOTES:**

- 1 ADD 1 SIC TO EXISTING 3" c
- 2 ADD 1 SIC TO EXISTING 2" c
- 3 REMOVE AND REPLACE NEW LID FOR PULL BOX #6
- 4 REMOVE AND REPLACE NEW LID FOR PULL BOX #5
- 5 INSTALL MASTER MODEL 2070L CONTROLLER WITH MASTER SOFTWARE AND INTERNAL MODEM 9600 BAUD IN EXISTING 332 CABINET

**ELECTRICAL LAYOUT**  
SCALE : 1" = 20'

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:  
*[Signature]*  
REGISTERED CIVIL ENGINEER  
DATE: 6/2/2015

DESIGNED: AN  
DRAWN: AN  
CHECKED: DH  
DATE: 6/2/2015  
ROAD NUMBER: 2

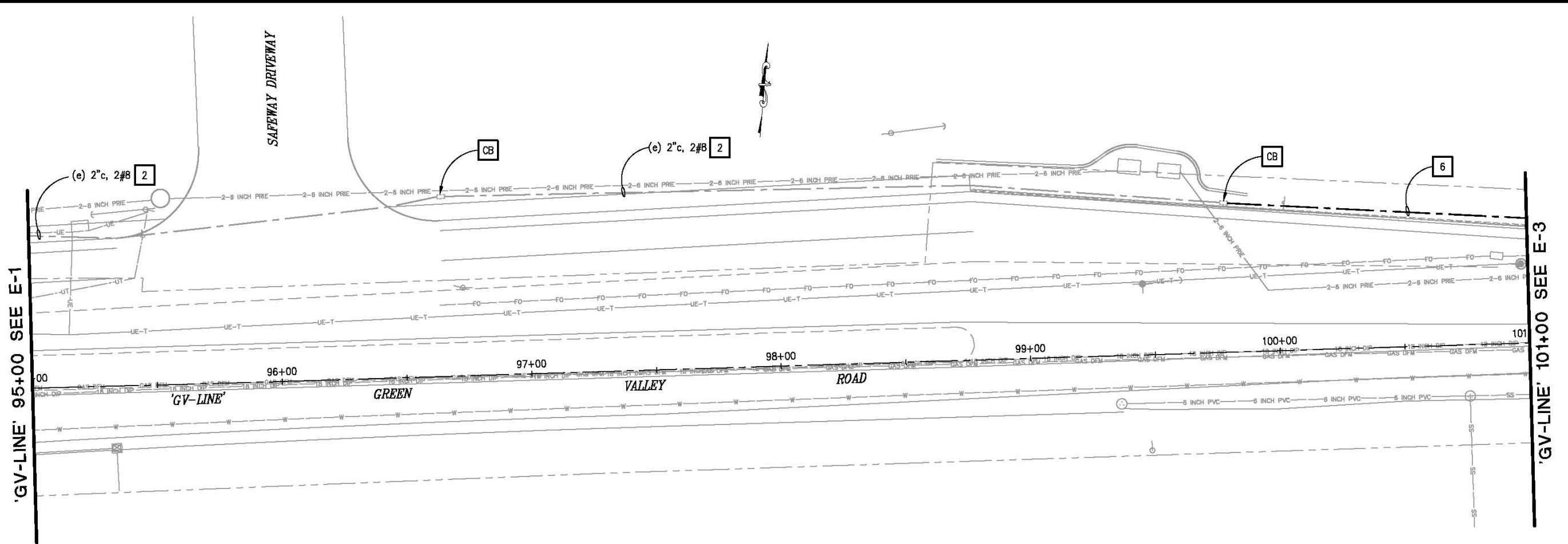


**COUNTY OF EL DORADO**  
**COMMUNITY DEVELOPMENT AGENCY**  
**TRANSPORTATION DIVISION**

**GREEN VALLEY ROAD TRAFFIC**  
**SIGNAL INTERCONNECT**

SHEET  
**E-1**  
4 OF 9  
W.D. No. **73151**

ORIGINAL SCALE IS IN INCHES  
 Drawing name: C:\Civil\_3D\Projects\73151\_Green\_Valley\_Rd\_Signal\_Interconnect\CADD\_Files\Sheets\1-2.dwg Layout Tab: E-2 Apr 30, 2015 - 2:24pm Anouven  
 FOR REDUCED PLANS  
 0 1 2



**PROJECT NOTES:**

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND STANDARD SPECIFICATIONS DATED 2010, THE CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES DATED 2012 AND THE SPECIAL PROVISIONS.
2. LOCATIONS OF EXISTING UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE AND MAY NOT BE COMPLETE. CONTRACTOR SHALL VERIFY THE EXISTANCE, LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES / DISTRICTS AND UNDERGROUND SERVICE ALERT (USA,800-642-2444) AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
3. CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES PRIOR TO ANY EXCAVATION.
4. THE LOCATION OF ALL PULL BOXES, CONDUITS AND OTHER EQUIPMENT SHOWN ON THE PLAN ARE APPROXIMATE AND MAY BE CHANGED TO SUIT FIELD CONDITION AS DIRECTED BY THE ENGINEER.
5. CONTRACTOR SHALL USE CAUTION WHEN INSTALLING SIGNAL EQUIPMENT NEAR EXISTING UTILITY FACILITIES.
6. APPLY TEMPORARY EROSION CONTROL (TACKED STRAW) TO ALL DISTURBED AREAS.
7. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AS REQUIRED UNLESS OTHERWISE NOTED ON THE PLANS AND SPECIAL PROVISIONS.
8. THE CONTRACTOR SHALL MAINTAIN THE OPERATION OF THE EXISTING SIGNALS AT ALL TIMES DURING STAGE CONSTRUCTION, UNLESS OTHERWISE NOTED ON THE PLANS AND SPECIAL PROVISIONS.

**CONSTRUCTION NOTES:**

- 2 ADD 1 SIC TO EXISTING 2" c
- 6 INSTALL NEW 2" c, 1 SIC

ELECTRICAL LAYOUT  
SCALE : 1" = 20'

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:  
  
 REGISTERED CIVIL ENGINEER  
 LICENSE EXPIRES 12-31-15  
 DATE: 6/2/2015

DESIGNED: AN  
 DRAWN: AN  
 CHECKED: DH  
 DATE: 6/2/2015  
 ROAD NUMBER: 2

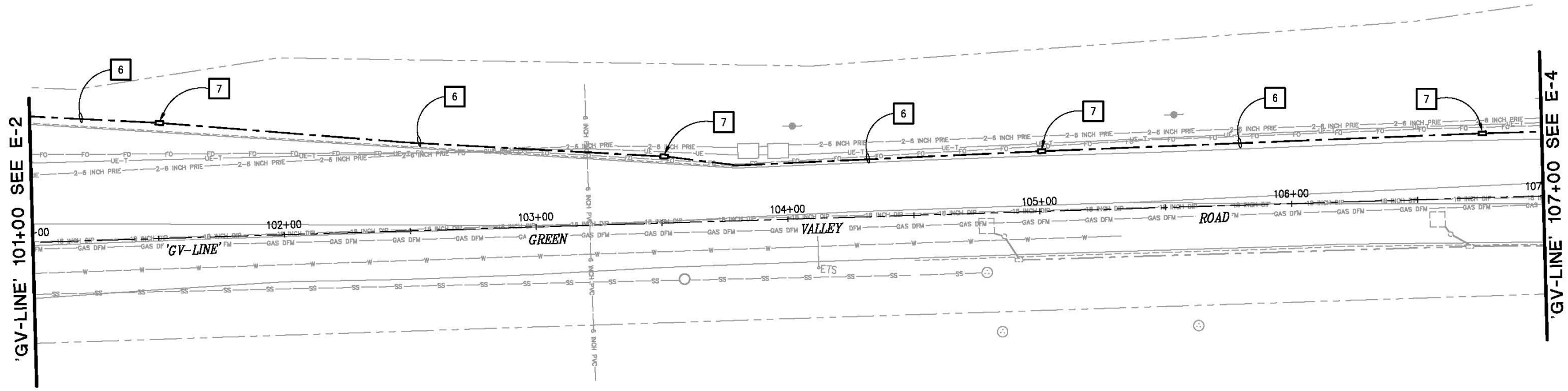


COUNTY OF EL DORADO  
 COMMUNITY DEVELOPMENT AGENCY  
 TRANSPORTATION DIVISION

GREEN VALLEY ROAD TRAFFIC  
 SIGNAL INTERCONNECT

SHEET  
**E-2**  
 5 OF 9  
 W.D. No. 73151

ORIGINAL SCALE IS IN INCHES  
 Drawing name: C:\Civil\_3D\Projects\73151\_Green\_Valley\_Rd\_Signal\_Interconnect\CADD\_Files\Sheets\1-3.dwg Layout Tab: E-3 Apr. 30, 2015 - 2:28pm Anaguven  
 FOR REDUCED PLANS  
 REVISION  
 NUMBER DATE DESCRIPTION BY



**PROJECT NOTES:**

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND STANDARD SPECIFICATIONS DATED 2010, THE CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES DATED 2012 AND THE SPECIAL PROVISIONS.
2. LOCATIONS OF EXISTING UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE AND MAY NOT BE COMPLETE. CONTRACTOR SHALL VERIFY THE EXISTANCE, LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES / DISTRICTS AND UNDERGROUND SERVICE ALERT (USA,800-642-2444) AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
3. CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES PRIOR TO ANY EXCAVATION.
4. THE LOCATION OF ALL PULL BOXES, CONDUITS AND OTHER EQUIPMENT SHOWN ON THE PLAN ARE APPROXIMATE AND MAY BE CHANGED TO SUIT FIELD CONDITION AS DIRECTED BY THE ENGINEER.
5. CONTRACTOR SHALL USE CAUTION WHEN INSTALLING SIGNAL EQUIPMENT NEAR EXISTING UTILITY FACILITIES.
6. APPLY TEMPORARY EROSION CONTROL (TACKED STRAW) TO ALL DISTURBED AREAS.
7. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AS REQUIRED UNLESS OTHERWISE NOTED ON THE PLANS AND SPECIAL PROVISIONS.
8. THE CONTRACTOR SHALL MAINTAIN THE OPERATION OF THE EXISTING SIGNALS AT ALL TIMES DURING STAGE CONSTRUCTION, UNLESS OTHERWISE NOTED ON THE PLANS AND SPECIAL PROVISIONS.

**CONSTRUCTION NOTES:**

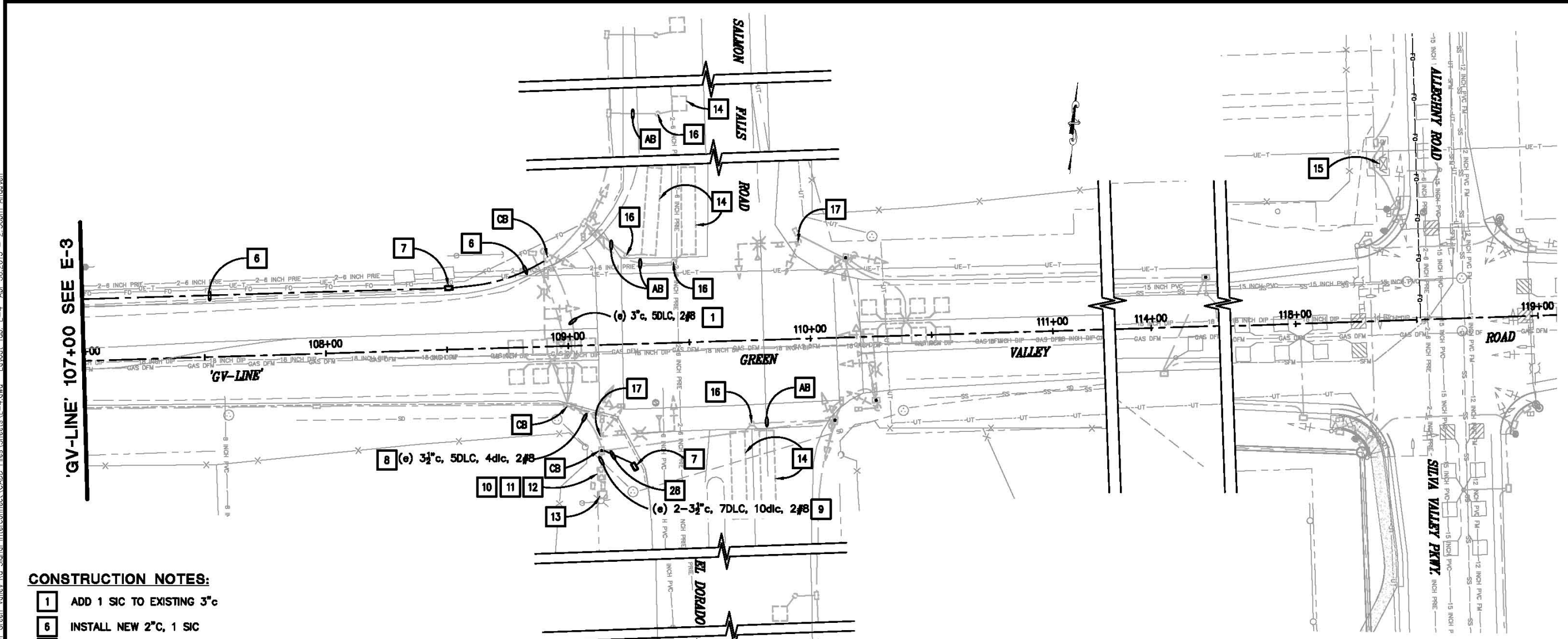
- 6 INSTALL NEW 2" C, 1 SIC
- 7 INSTALL NEW PULL BOX #5

ELECTRICAL LAYOUT  
SCALE : 1" = 20'

	PREPARED UNDER THE SUPERVISION OF:  REGISTERED CIVIL ENGINEER DATE: 6/2/2015	DESIGNED: AN CHECKED: DH ROAD NUMBER: 2	DRAWN: AN DATE: 6/2/2015	<p>COUNTY OF EL DORADO COMMUNITY DEVELOPMENT AGENCY TRANSPORTATION DIVISION</p>	<p>GREEN VALLEY ROAD TRAFFIC SIGNAL INTERCONNECT</p>	SHEET <b>E-3</b> 6 OF 9 W.D. No. 73151
--	---	---	-----------------------------	---	--	---



ORIGINAL SCALE IS IN INCHES  
 Drawing name: C:\Civil\_3D\Projects\73151\_Green\_Valley\_Rd\_Signal\_Interconnect\CADD\_Files\Streets\1-4.dwg Layout Tab: E-4 Apr. 30, 2015 - 2:30pm Anouven  
 FOR REDUCED PLANS  
 2  
 1  
 0



**CONSTRUCTION NOTES:**

- 1 ADD 1 SIC TO EXISTING 3" c
- 6 INSTALL NEW 2" c, 1 SIC
- 7 INSTALL NEW PULL BOX #5
- 8 ADD 1 SIC TO EXISTING 3 1/2" c
- 9 ADD 1 SIC TO EXISTING 2-3 1/2" c
- 10 INSTALL MODEL 2070L CONTROLLER ASSEMBLY WITH MODEL 332L CABINET AND INTERNAL MODEM 9600 BAUD. INSTALL MODEL 332L CABINET ON THE EXISTING FOUNDATION
- 11 INSTALL TESCO TRAFFIC MODEL 22-BBS BATTERY BACKUP SYSTEM ON THE SIDE OF MODEL 332L CABINET
- 12 REMOVE AND SALVAGE EXISTING CONTROLLER ASSEMBLY AND BBS
- 13 EXISTING SERVICE EQUIPMENT ENCLOSURE TO REMAIN
- 14 REMOVE EXISTING TRAFFIC DETECTOR LOOP
- 15 INSTALL INTERNAL MODEM 9600 BAUD IN EXISTING 332 CABINET
- 16 REMOVE EXISTING DETECTOR HANDHOLE
- 17 REMOVE EXISTING SIGNAL POLE & MAST ARM. ABANDON EXISTING POLE FOUNDATION IN PLACE
- 28 INSTALL NEW 2" c

**PROJECT NOTES:**

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND STANDARD SPECIFICATIONS DATED 2010, THE CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES DATED 2012 AND THE SPECIAL PROVISIONS.
2. LOCATIONS OF EXISTING UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE AND MAY NOT BE COMPLETE. CONTRACTOR SHALL VERIFY THE EXISTANCE, LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES / DISTRICTS AND UNDERGROUND SERVICE ALERT (USA,800-642-2444) AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
3. CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES PRIOR TO ANY EXCAVATION.
4. THE LOCATION OF ALL PULL BOXES, CONDUITS AND OTHER EQUIPMENT SHOWN ON THE PLAN ARE APPROXIMATE AND MAY BE CHANGED TO SUIT FIELD CONDITION AS DIRECTED BY THE ENGINEER.
5. CONTRACTOR SHALL USE CAUTION WHEN INSTALLING SIGNAL EQUIPMENT NEAR EXISTING UTILITY FACILITIES.
6. APPLY TEMPORARY EROSION CONTROL (TACKED STRAW) TO ALL DISTURBED AREAS.
7. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AS REQUIRED UNLESS OTHERWISE NOTED ON THE PLANS AND SPECIAL PROVISIONS.
8. THE CONTRACTOR SHALL MAINTAIN THE OPERATION OF THE EXISTING SIGNALS AT ALL TIMES DURING STAGE CONSTRUCTION, UNLESS OTHERWISE NOTED ON THE PLANS AND SPECIAL PROVISIONS.

**ELECTRICAL LAYOUT & REMOVAL**  
 SCALE : 1" = 20'

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:  
*Justin W. Harrington*  
 REGISTERED CIVIL ENGINEER  
 No. C71517  
 DATE: 6/2/2015

DESIGNED: AN  
 DRAWN: AN  
 CHECKED: DH  
 DATE: 6/2/2015  
 ROAD NUMBER: 2

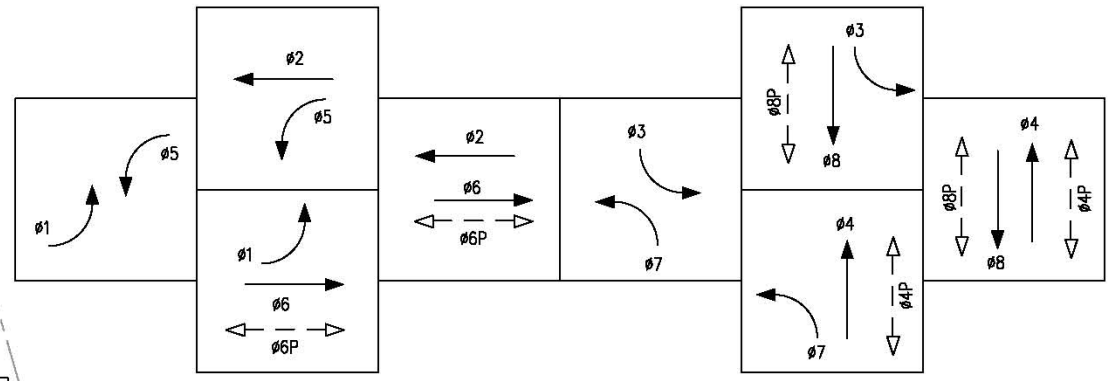
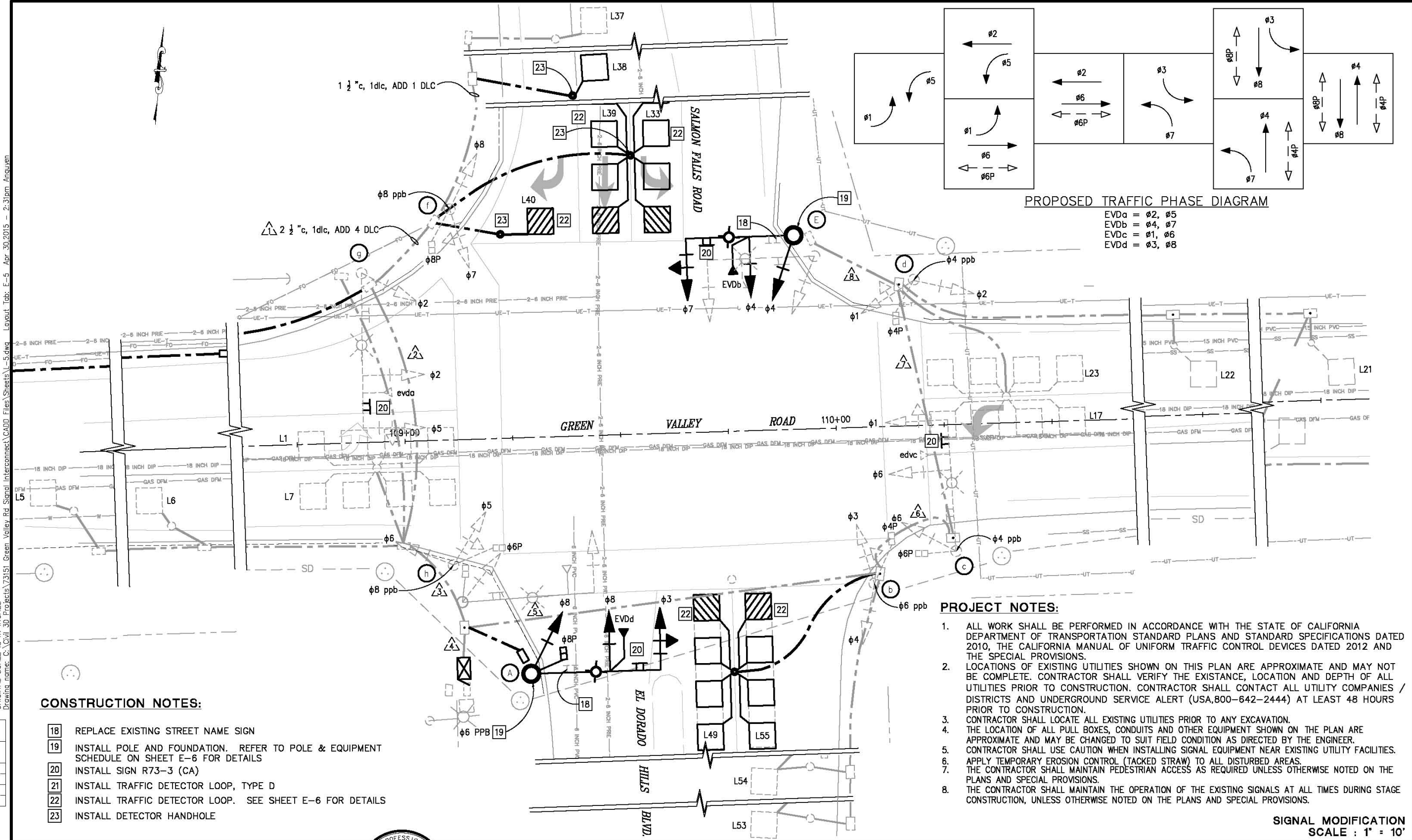


**COUNTY OF EL DORADO**  
**COMMUNITY DEVELOPMENT AGENCY**  
**TRANSPORTATION DIVISION**

**GREEN VALLEY ROAD TRAFFIC**  
**SIGNAL INTERCONNECT**

SHEET  
**E-4**  
 7 of 9  
 M.O. No. 73151

ORIGINAL SCALE IS IN INCHES  
 Drawing name: C:\Civil\_3D\Projects\73151\_Green\_Valley\_Rd\_Signal\_Interconnect\CADD\_Files\Sheets\L-5.dwg Layout Tab: E-5 Apr 30, 2015 - 2:31pm Anouwen  
 FOR REDUCED PLANS  
 2  
 1  
 0



**PROPOSED TRAFFIC PHASE DIAGRAM**

EVDa = phi 2, phi 5  
 EVDb = phi 4, phi 7  
 EVDc = phi 1, phi 6  
 EVDd = phi 3, phi 8

**CONSTRUCTION NOTES:**

- 18 REPLACE EXISTING STREET NAME SIGN
- 19 INSTALL POLE AND FOUNDATION. REFER TO POLE & EQUIPMENT SCHEDULE ON SHEET E-6 FOR DETAILS
- 20 INSTALL SIGN R73-3 (CA)
- 21 INSTALL TRAFFIC DETECTOR LOOP, TYPE D
- 22 INSTALL TRAFFIC DETECTOR LOOP. SEE SHEET E-6 FOR DETAILS
- 23 INSTALL DETECTOR HANDHOLE

**PROJECT NOTES:**

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND STANDARD SPECIFICATIONS DATED 2010, THE CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES DATED 2012 AND THE SPECIAL PROVISIONS.
2. LOCATIONS OF EXISTING UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE AND MAY NOT BE COMPLETE. CONTRACTOR SHALL VERIFY THE EXISTANCE, LOCATION AND DEPTH OF ALL UTILITIES PRIOR TO CONSTRUCTION. CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES / DISTRICTS AND UNDERGROUND SERVICE ALERT (USA, 800-642-2444) AT LEAST 48 HOURS PRIOR TO CONSTRUCTION.
3. CONTRACTOR SHALL LOCATE ALL EXISTING UTILITIES PRIOR TO ANY EXCAVATION.
4. THE LOCATION OF ALL PULL BOXES, CONDUITS AND OTHER EQUIPMENT SHOWN ON THE PLAN ARE APPROXIMATE AND MAY BE CHANGED TO SUIT FIELD CONDITION AS DIRECTED BY THE ENGINEER.
5. CONTRACTOR SHALL USE CAUTION WHEN INSTALLING SIGNAL EQUIPMENT NEAR EXISTING UTILITY FACILITIES.
6. APPLY TEMPORARY EROSION CONTROL (TACKED STRAW) TO ALL DISTURBED AREAS.
7. THE CONTRACTOR SHALL MAINTAIN PEDESTRIAN ACCESS AS REQUIRED UNLESS OTHERWISE NOTED ON THE PLANS AND SPECIAL PROVISIONS.
8. THE CONTRACTOR SHALL MAINTAIN THE OPERATION OF THE EXISTING SIGNALS AT ALL TIMES DURING STAGE CONSTRUCTION, UNLESS OTHERWISE NOTED ON THE PLANS AND SPECIAL PROVISIONS.

**SIGNAL MODIFICATION SCALE : 1" = 10'**

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:  
  
 REGISTERED CIVIL ENGINEER  
 DATE: 6/2/2015

DESIGNED: AN  
 DRAWN: AN  
 CHECKED: DH  
 DATE: 6/2/2015  
 ROAD NUMBER: 2



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

**GREEN VALLEY ROAD TRAFFIC**  
**SIGNAL INTERCONNECT**

SHEET  
**E-5**  
 8 OF 9  
 P.C. No. **73151**



ORIGINAL SCALE IS IN INCHES  
 Drawing name: C:\Civil\_3D\Projects\73151\_Green\_Valley\_Rd\_Signal\_Interconnect\CADD\_Files\Sheets\1-6.dwg Layout Tab: E-6 Apr 30, 2015 - 2:35pm Anouwen  
 FOR REDUCED PLANS  
 REVISION

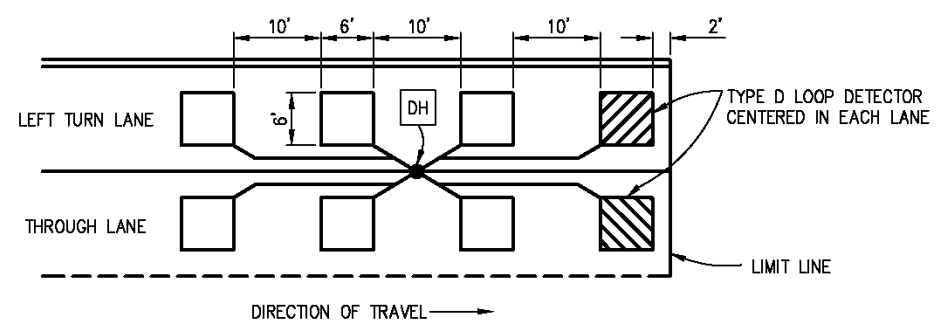
CONDUCTOR & CONDUIT SCHEDULE

AWG SIZE OR CABLE TYPE	PHASE #	RUN No.							
		△1	△2	△3	△4	△5	△6	△7	△8
No. 14	Ø1				3	3	3	3	
	Ø2		3	3	6	3	3	3	
	Ø3				3	3			
	Ø4				3	3	3	3	3
	Ø5		3	3	3				
	Ø6			3	6	3	3		
	Ø7	3	3	3	6	3	3	3	3
	Ø8	3	3	3	6				
	Ø4P				2	2	2	2	
	Ø6P			2	4	2	2		
	Ø8P	2	2	2	4				
	PPB(Ø4P)				2	2	2	2	
	PPB(Ø6P)				2	2			
	PPB(Ø8P)	2	2	2	2				
SPARES	3	3	3	6	3	3	3	3	
TOTAL No. 14		13	19	24	58	29	24	19	9
No. 8	LIGHTING		2	2		2	2	2	2
	SIGNAL	1	1	1	2	1	1	1	1
TOTAL No. 8		1	3	3	2	3	3	3	3
TYPE B DLC	L1			1	1				
	L5			1	1				
	L6			1	1				
	L7			1	1				
	L17				1	1	1	1	
	L21				1	1	1	1	
	L22				1	1	1	1	
	L23				1	1	1	1	
	L33	1	1	1	1				
	L37	1	1	1	1				
	L38	1	1	1	1				
	L39	1	1	1	1				
	L40	1	1	1	1				
	L49				1	1			
	L53				1	1			
	L54				1	1			
	L55				1	1			
TOTAL	5	5	9	17	8	4	4		
EVC		1	1	4	2	2	1	1	
SIC		1	1	2	1	1	1		
CONDUIT SIZE		2½"	3"	3½"	2-3½"	3½"	3"	3"	2"
% FILL		15	16	17	17	9	19	16	20

POLE AND EQUIPMENT SCHEDULE

NO.	LED STANDARD			VEHICLE SIGNAL MOUNTING			PEDESTRIAN SIGNAL MOUNTING		PPB		LUMINAIRE	LOCATION		REMARKS	
	TYPE	SIG. MA (FT)	LUM. MA (FT)	Ø	MAST ARM	Ø	POLE	Ø	POLE	Ø		ARROW	STATION **		OFFSET**
(A)	19-4-100	30	15	3	MAT	8	SV-1-T	8	SP-1-T	6	←	90 LED TYPE III	'GV-LINE' 109+27.60	54.75' RT	INSTALL EVDb ON SMA. INSTALL R73-3(CA) ON SMA. & INSTALL RELOCATED STREET NAME SIGN (GREEN VALLEY ROAD) ON SMA. F=11.7'. *
(b)	1-b					3	tv-2-t	4	sp-1-t	6	→		'GV-LINE' 110+07.70	36.88' RT	
(c)	19-4-70	30	15	1	mat	6	sv-1-t	6	sp-1-t	4	←	90 led type III	'GV-LINE' 110+26.88	29.36' RT	
(d)	1-b					1	tv-2-t	4	sp-1-t	4	→		'GV-LINE' 110+19.02	33.85' LT	
(E)	19-4-100	25	15	4	MAS	4	SV-1-T					90 LED TYPE III	'GV-LINE' 109+91.49	44.98' LT	INSTALL EVDb ON SMA. INSTALL R73-3(CA) ON SMA. & INSTALL RELOCATED STREET NAME SIGN (GREEN VALLEY ROAD) ON SMA. F=14.7'. *
(f)	1-b					7	tv-2-t	8	sp-1-t	8	→		'GV-LINE' 109+12.03	53.46' LT	
(g)	24-4-70	35	15	2	mas	2	sv-1-t					90 led type III	'GV-LINE' 108+91.15	39.27' LT	
(h)	1-b					5	tv-2-t	8	sp-1-t	8	←		'GV-LINE' 109+10.37	29.00' RT	

\* OTHER REQUIREMENTS ARE COVERED BY NOTES, LEGEND, SPECIAL PROVISIONS AND STANDARD SPECIFICATIONS. FOR TYPE OF STANDARD AND VEHICLE SIGNAL MOUNTING, SEE CALTRANS STANDARD PLANS 2010.  
 \*\* FINAL LOCATION TO BE DETERMINED BY THE ENGINEER.



TYPICAL DETECTOR LOOP LAYOUT  
 NTS

SIGNAL MODIFICATION  
 NO SCALE

REVISION NUMBER DATE DESCRIPTION BY		PREPARED UNDER THE SUPERVISION OF:	DESIGNED: AN CHECKED: DH ROAD NUMBER: 2	DRAWN: AN DATE: 6/2/2015		COUNTY OF EL DORADO COMMUNITY DEVELOPMENT AGENCY TRANSPORTATION DIVISION	GREEN VALLEY ROAD TRAFFIC SIGNAL INTERCONNECT	SHEET E-6 9 OF 9 W.D. No. 73151
		REGISTERED CIVIL ENGINEER DATE: 6/2/2015	LICENSE NUMBER: 2	COUNTY OF EL DORADO				SHEET E-6 9 OF 9 W.D. No. 73151