

INDEX OF SHEETS

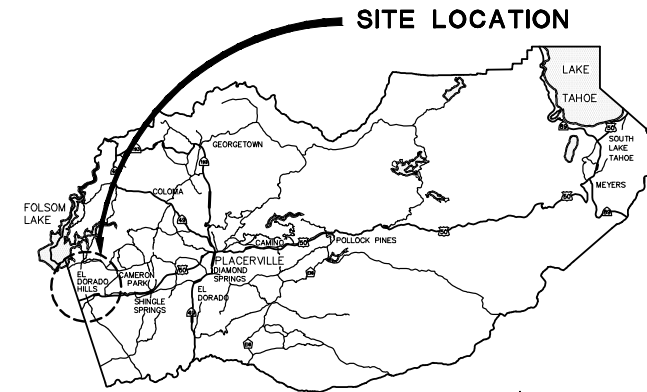
SHEET	PLAN SHEET	TITLE
1		TITLE SHEET
2	CD-1	SURVEY CONTROL DIAGRAM
3	X-1	TYPICAL SECTIONS
4-5	L-1 THRU L-2	LAYOUT
6-8	C-1 THRU C-3	CONSTRUCTION DETAILS
9	EC-1	EROSION CONTROL PLANS
10-11	SC-1 THRU SC-2	CONSTRUCTION AREA SIGNS
12	SC-3	CONSTRUCTION AREA SIGN QUANTITIES
13	SPD-1	PAVEMENT & SIGN DELINEATION
14	SPD-2	PAVEMENT & SIGN DELINEATION QUANTITIES
15-17	E-1 THRU E-3	MODIFY SIGNAL AND LIGHTING PLAN

COUNTY OF EL DORADO, CA DEPARTMENT OF TRANSPORTATION

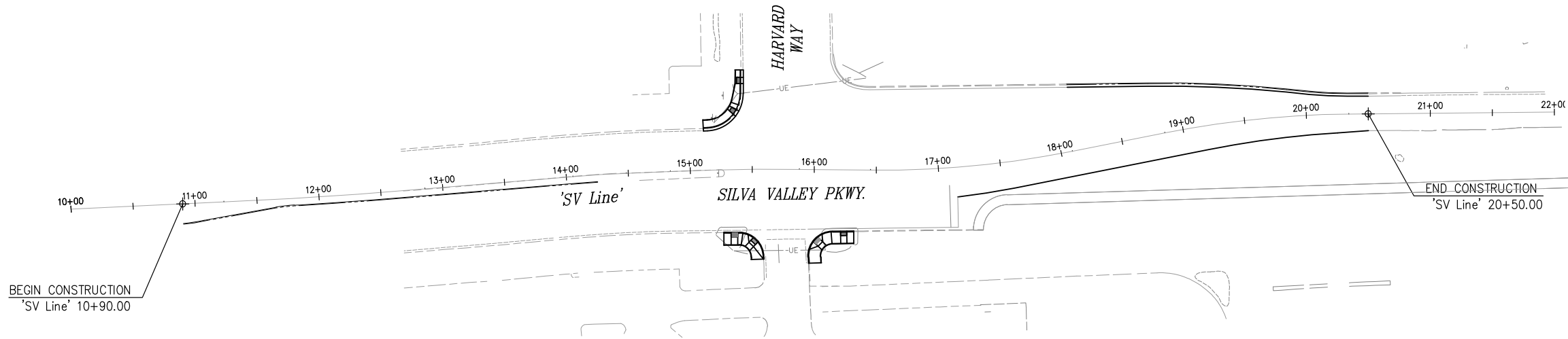
PROJECT PLANS FOR THE CONSTRUCTION OF SILVA VALLEY INTERSECTION IMPROVEMENTS AT HARVARD WAY

IN THE COUNTY OF EL DORADO, DISTRICT I

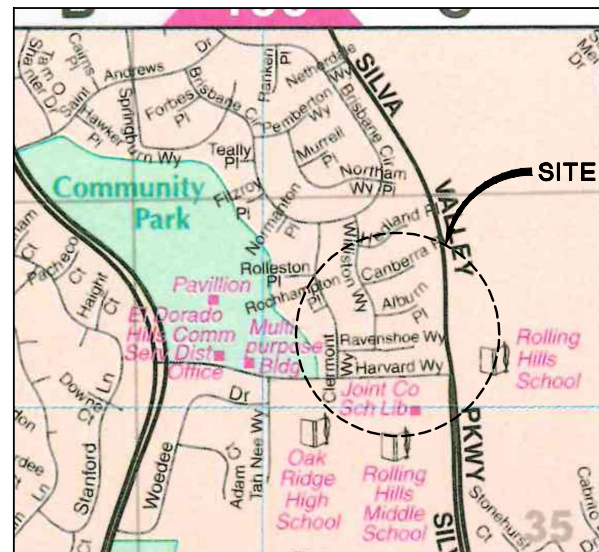
To be supplemented with Standard Plans and Specifications dated 2018, including the 2018 Revised Standard Specifications, of the California Department of Transportation, unless otherwise noted.



VICINITY MAP
COUNTY OF EL DORADO



SITE PLAN
SCALE: 1" = 50'



LOCATION MAP
NOT TO SCALE

FEDERAL AID PROJECT
CML 5925 (149)



B. Franklin
3/30/2021
DATE
SUBMITTED BY:
BRIAN C. FRANKLIN
STATE OF CALIFORNIA NO. C68952

BOARD OF SUPERVISORS
I JOHN HIDAHL
II GEORGE TURNBOO
III WENDY THOMAS
IV LORI PARLIN
V SUE NOVASEL

COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION
(530) 621-5900
2850 FAIRLANE CT
PLACERVILLE, CA 95667

ADOPTED AND APPROVED BY:
JOHN HIDAHL
CHAIR, EL DORADO COUNTY BOARD OF SUPERVISORS
APPROVED BY:
BRIAN C. FRANKLIN
REGISTERED PROFESSIONAL ENGINEER
DEPARTMENT OF TRANSPORTATION
MATTHEW D. SMELTZER P.E. NO. C56832
DEPUTY DIRECTOR, ENGINEERING

CONTRACT NO. 4546 PROJECT NO. 72378
SILVA VALLEY INTERSECTION
IMPROVEMENTS AT HARVARD WAY
TITLE SHEET
SHEET 1 OF 17

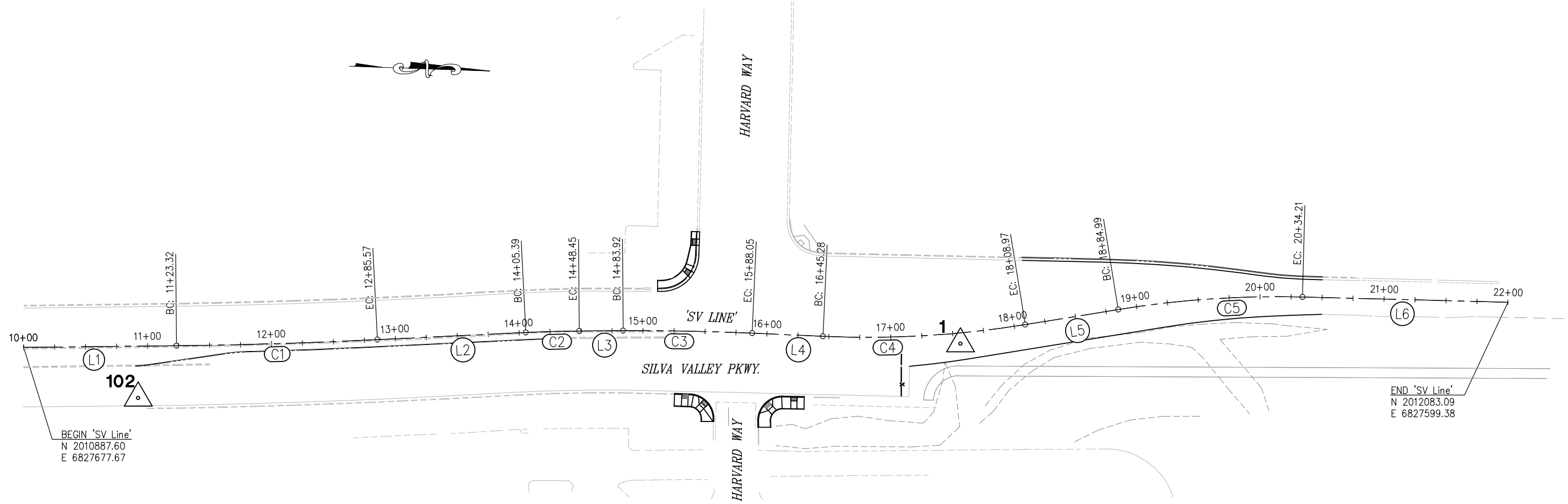
CONTRACTOR'S LICENSE CLASSIFICATION: Bidders shall be properly licensed to perform the Work pursuant to the State Contractor's License Act (Business and Professions Code section 7000 et seq.) and shall possess a CLASS A LICENSE or equivalent combination of Classes required by the categories and type of Work included in the Contract Documents and Plans. 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



ORIGINAL SCALE IS IN INCHES
 Drawing name: Z:\Civil\3D Projects\72378 Silva Valley and Harvard Way Intersection\CADD Files\Sheets\CD Sheets.dwg Layout Tab: CD-1 Apr 01, 2021 - 11:26am ANguyen
 FOR REDUCED PLANS



SV LINE

NUMBER	LENGTH	RADIUS	LINE / CHORD DIRECTION & LENGTH	DELTA
L1	123.32		N 2° 39' 44" W	
C1	162.25	3910.92	N 3° 43' 00" W - 162.24	2° 22' 37"
L2	119.82		N 4° 44' 41" W	
C2	43.05	1006.00	N 3° 37' 21" W - 43.05	2° 27' 07"
L3	35.47		N 2° 23' 48" W	
C3	104.13	2006.00	N 0° 54' 34" W - 104.12	2° 58' 27"
L4	57.23		N 0° 34' 40" E	
C4	163.69	794.00	N 5° 19' 42" W - 163.40	11° 48' 43"
L5	76.02		N 11° 14' 03" W	
C5	149.22	800.00	N 5° 53' 26" W - 149.01	10° 41' 15"
L6	165.79		N 0° 32' 49" W	

CONTROL TABLE

CONTROL NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	2011736.8455	6827645.0174	808.07	CP SVBP
102	2010981.2960	6827715.2780	819.85	AERIAL CONTROL POINT

LEGEND:

X DENOTES CONTROL POINT AND NUMBER.

NOTE:

BEARINGS, DISTANCES, STATIONING, AND COORDINATES SHOWN HEREON ARE BASED ON THE CALIFORNIA COORDINATE SYSTEM OF 1983, ZONE 2, EPOCH 2010.00, US SURVEY FEET.

DISTANCES SHOWN ARE GRID DISTANCES. DIVIDE DISTANCES BY 0.999905 TO OBTAIN GROUND DISTANCES.

ELEVATION SHOWN HEREON REFERENCE NGVD 88.

**SURVEY CONTROL DIAGRAM
SCALE : 1" = 40'**

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
B. Franklin
 REGISTERED CIVIL ENGINEER
 DATE: 3/30/2021

DESIGNED: JN
 DRAWN: AN
 CHECKED: JN
 DATE: 3/30/2021
 ROAD NUMBER: 25478

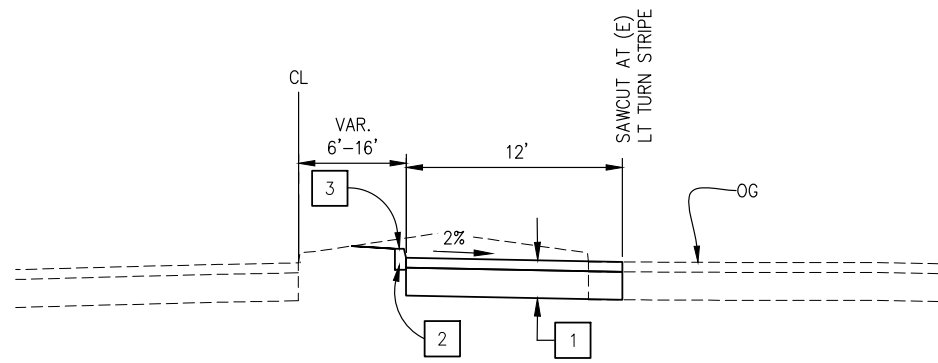


**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

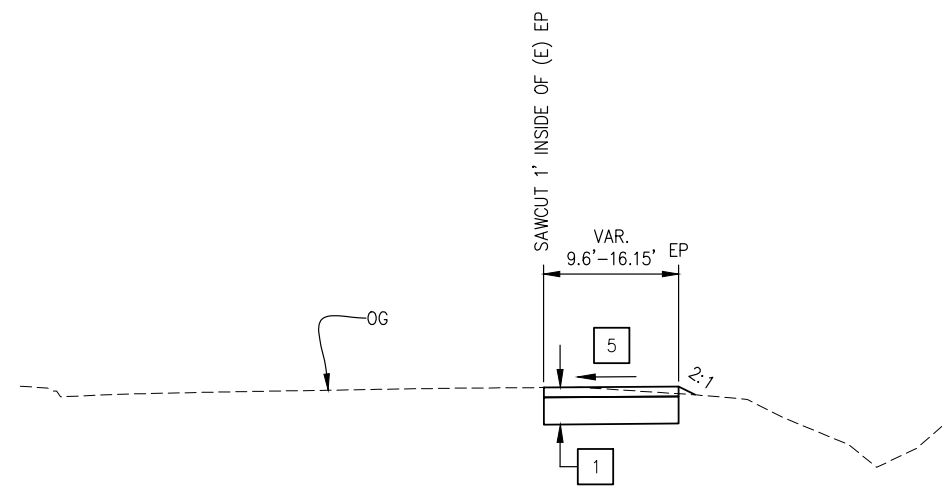
**SILVA VALLEY INTERSECTION
IMPROVEMENTS AT HARVARD WAY**

SHEET
CD-1
 2 OF 17
 W.O. No. **72378**

ORIGINAL SCALE IS IN INCHES
 Drawing name: Z:\Civil 3D Projects\2378 Silva Valley and Harvard Way Intersection\CADD Files\Sheets\X Sheets.dwg Layout Tab: X-1 Apr 01, 2021 - 11:30am ANguyen
 FOR REDUCED PLANS



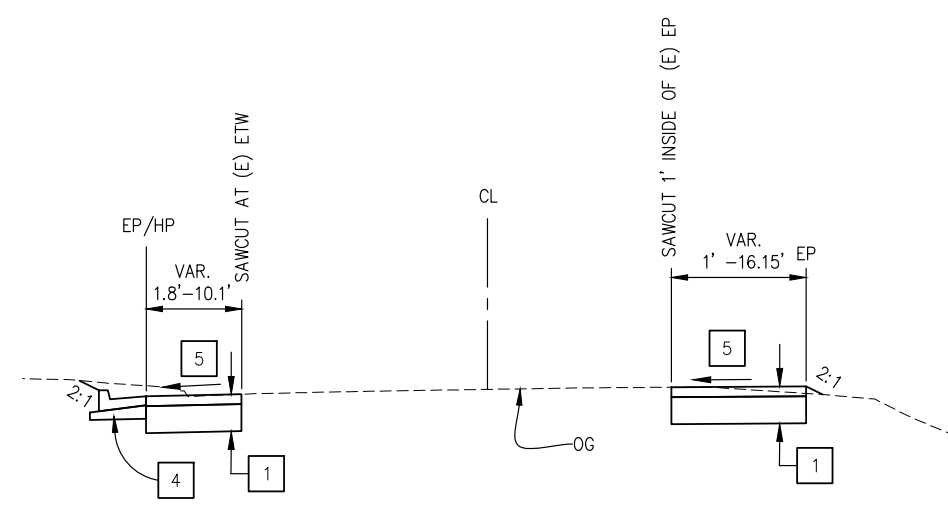
'SV' - 11+50.00 TO 14+25.00



'SV' - 17+32.82 TO 18+15.00

CONSTRUCTION NOTES:

- 1 — 0.45' HMA (TYPE A)
1.0' AB (CLASS 2)
- 2 — REMOVE EXIST CONCRETE MEDIAN AND REPLACE WITH
0.5' MINOR CONCRETE ON 0.5' AB (CLASS 2)
- 3 — CURB (TYPE A1-6)
- 4 — CURB AND GUTTER (TYPE A2-6)
0.5' AB (CLASS 2)
- 5 — MATCH EXISTING CROSS SLOPE



'SV' - 18+15.00 TO 20+50.00

TYPICAL SECTIONS
NO SCALE

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
B. Franklin
 REGISTERED CIVIL ENGINEER
 DATE: 3/30/2021

DESIGNED: JR
 DRAWN: AN
 CHECKED: BF
 DATE: 3/30/2021
 ROAD NUMBER: 2347B

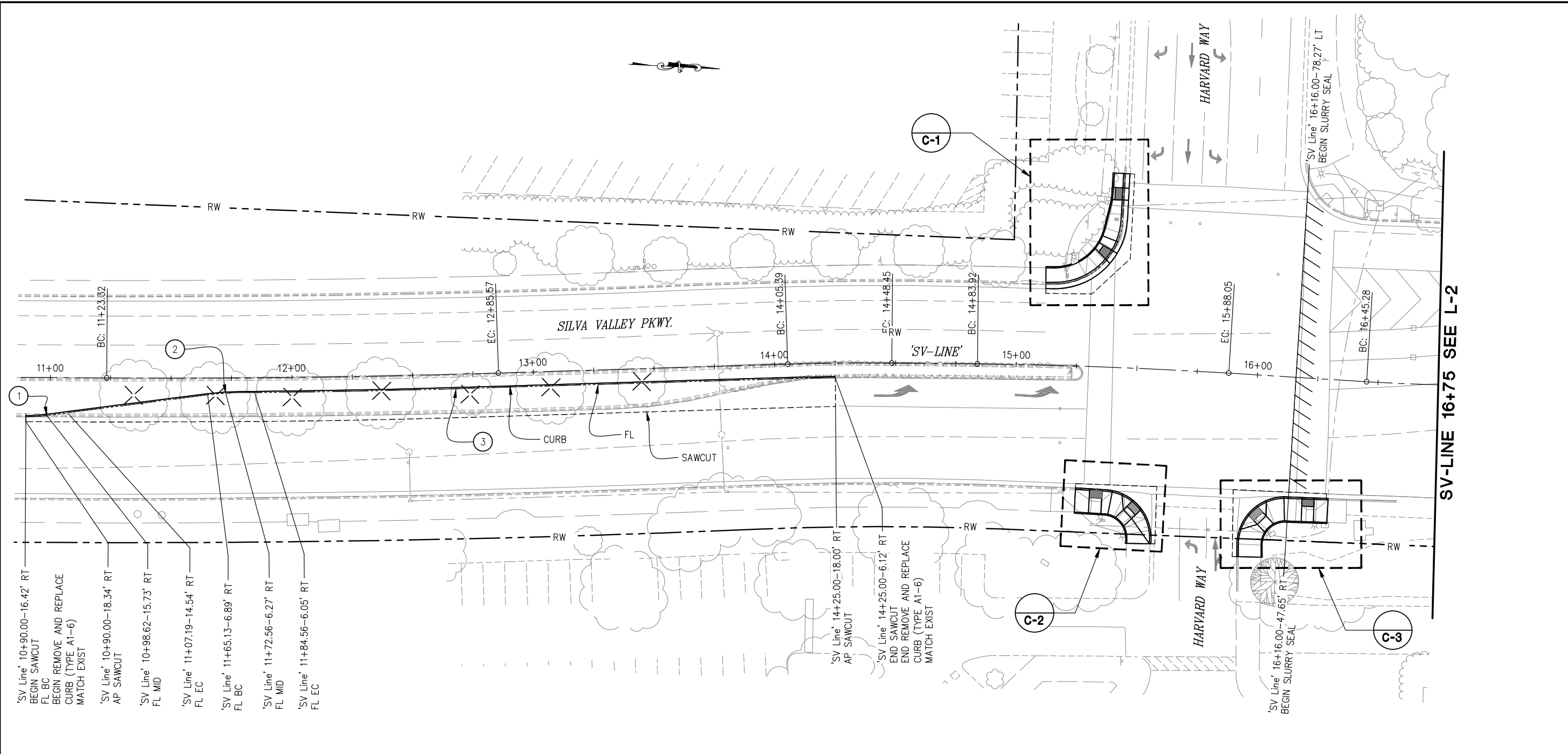


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

SILVA VALLEY INTERSECTION
IMPROVEMENTS AT HARVARD WAY

SHEET
X-1
3 OF 17
W.O. No. 72378

ORIGINAL SCALE IS IN INCHES
 Drawing name: Z:\Civil_3D\Projects\2378 Silva Valley and Harvard Way Intersection\CADD Files\Sheets\Layout Tab: L-1 Apr 01, 2021 - 11:34am Anghuyen



- 'SV Line' 10+90.00-16.42' RT
BEGIN SAWCUT
FL BC
- BEGIN REMOVE AND REPLACE
CURB (TYPE A1-6)
MATCH EXIST
- 'SV Line' 10+90.00-18.34' RT
AP SAWCUT
- 'SV Line' 10+98.62-15.73' RT
FL MID
- 'SV Line' 11+07.19-14.54' RT
FL EC
- 'SV Line' 11+65.13-6.89' RT
FL BC
- 'SV Line' 11+72.56-6.27' RT
FL MID
- 'SV Line' 11+84.56-6.05' RT
FL EC

- 'SV Line' 14+25.00-18.00' RT
AP SAWCUT
- 'SV Line' 14+25.00-6.12' RT
END SAWCUT
END REMOVE AND REPLACE
CURB (TYPE A1-6)
MATCH EXIST
- 'SV Line' 16+16.00-47.65' RT
BEGIN SLURRY SEAL

GENERAL NOTES:

1. SEE CONSTRUCTION DETAILS FOR RECONSTRUCTED CURB RAMPS.
2. SEE SPD-SHEETS FOR SIGNING AND STRIPING PLANS.
3. SEE E-SHEETS FOR ELECTRICAL PLANS.
4. SEE EC-SHEETS FOR EROSION CONTROL PLANS.
5. SAWCUT TO A CLEAN UNIFORM LINE AS DIRECTED BY THE ENGINEER

LEGEND:

- TREE REMOVAL
- SAWCUT
- SLURRY SEAL LIMITS

CURVE DATA

NUMBER	LENGTH	RADIUS	LINE/CHORD DIRECTION & LENGTH	DELTA
1	13.62	100	N 8° 17' 46" W - 13.61	7° 48' 06"
2	10.94	100	N 7° 19' 00" W - 10.93	6° 16' 05"
3	35.62	3917	N 4° 38' 41" W - 35.62	0° 31' 16"

FOR REDUCED PLANS

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
B. Franklin
 REGISTERED CIVIL ENGINEER
 License Expires 12-31-21
 DATE: 3/30/2021

DESIGNED: JR
 DRAWN: AN
 CHECKED: BF
 DATE: 3/30/2021
 ROAD NUMBER: 2347B



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

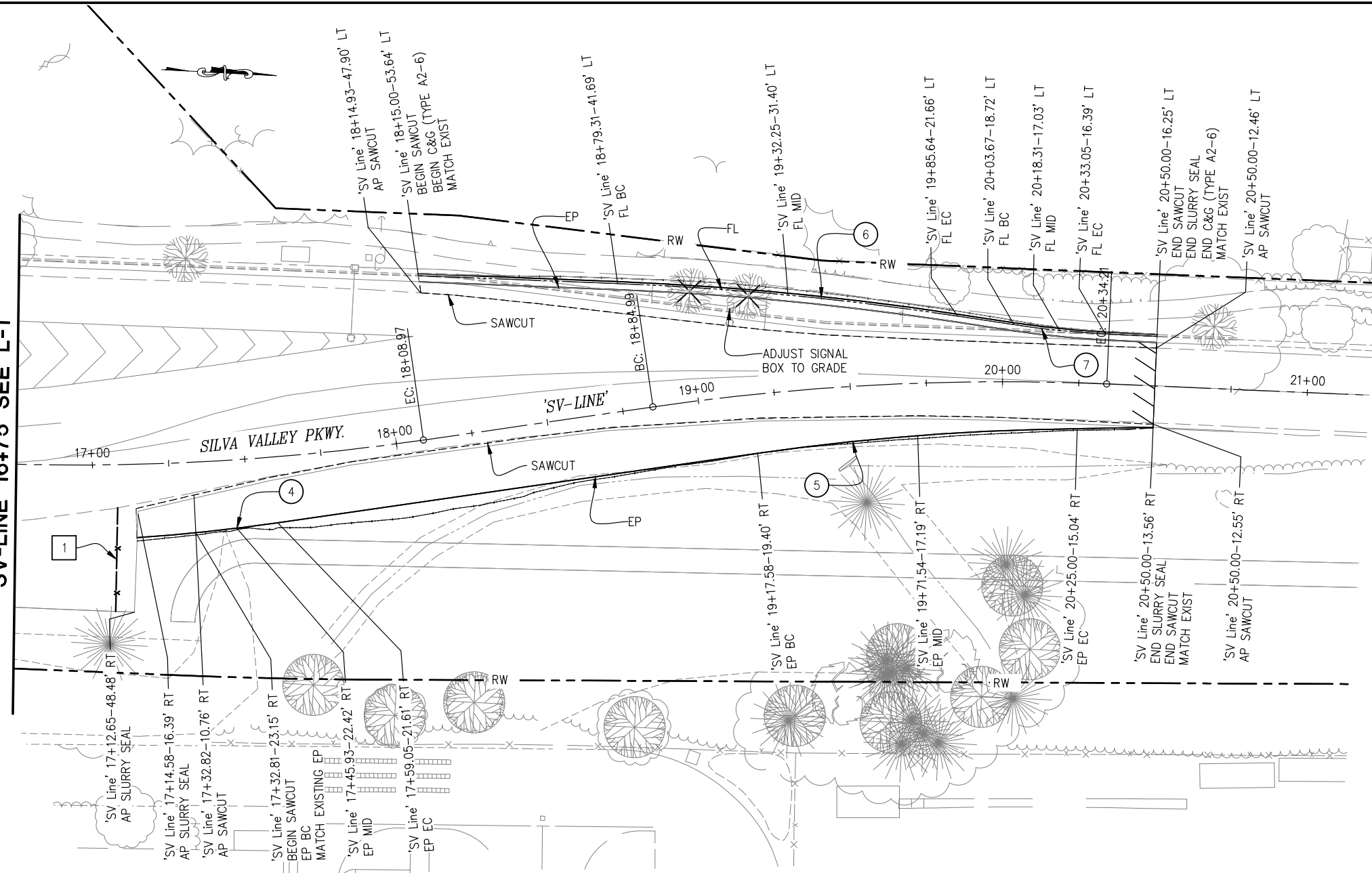
SILVA VALLEY INTERSECTION
IMPROVEMENTS AT HARVARD WAY

LAYOUT
SCALE : 1" = 20'

SHEET
L-1
 4 OF 17
 W.O. No. **72378**

ORIGINAL SCALE IS IN INCHES
 Drawing name: Z:\Civil_3D\Projects\2378 Silva Valley and Harvard Way Intersection\CADD\Files\Sheets\Layout Tab: L-2_Apr 01, 2021 - 11:37am Anghuyen

SV-LINE 16+75 SEE L-1



LEGEND:

- TREE REMOVAL
- SAWCUT
- SLURRY SEAL LIMITS

GENERAL NOTES:

1. SEE CONSTRUCTION DETAILS FOR RECONSTRUCTED CURB RAMPS.
2. SEE SPD-SHEETS FOR SIGNING AND STRIPING PLANS.
3. SEE E-SHEETS FOR ELECTRICAL PLANS.
4. SEE EC-SHEETS FOR EROSION CONTROL PLANS.
5. SAWCUT TO A CLEAN UNIFORM LINE AS DIRECTED BY THE ENGINEER

CONSTRUCTION NOTES:

- 1 — RECONSTRUCT TRAFFIC BARRIER.

CURVE DATA

NUMBER	LENGTH	RADIUS	LINE/CHORD DIRECTION & LENGTH	DELTA
4	46.43	602	S 9° 01' 29" E - 46.42	4° 25' 08"
5	105.20	786	S 7° 24' 00" E - 105.12	7° 40' 07"
6	112.03	1002	N 2° 28' 07" E - 111.97	6° 24' 21"
7	30.13	296	N 2° 45' 20" E - 30.12	5° 49' 55"

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:

 REGISTERED CIVIL ENGINEER
 DATE: 3/30/2021

DESIGNED: JR
 DRAWN: AN
 CHECKED: BF
 DATE: 3/30/2021
 ROAD NUMBER: 2347B

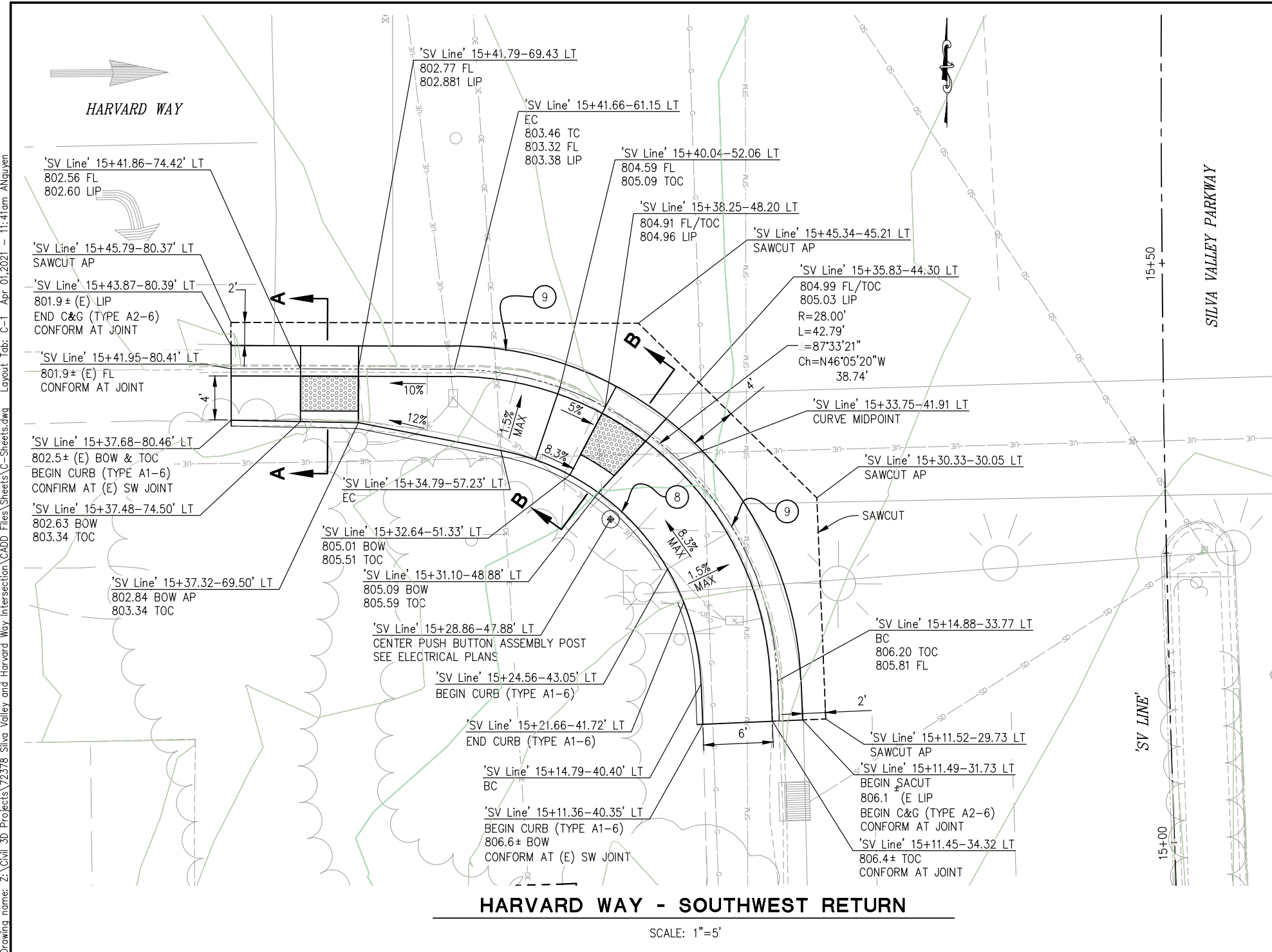


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

SILVA VALLEY INTERSECTION
IMPROVEMENTS AT HARVARD WAY

LAYOUT
SCALE : 1" = 20'
 SHEET
L-2
 5 OF 17
 W.O. No. **72378**

ORIGINAL SCALE IS IN INCHES
 Drawing name: Z:\Civil\3D Projects\2378 Silva Valley and Harvard Way Intersection\CADD Files\Sheets\C-Sheets.dwg Layout Tab: C-1 Apr 01, 2021 - 11:41am ANguyen
 FOR REDUCED PLANS

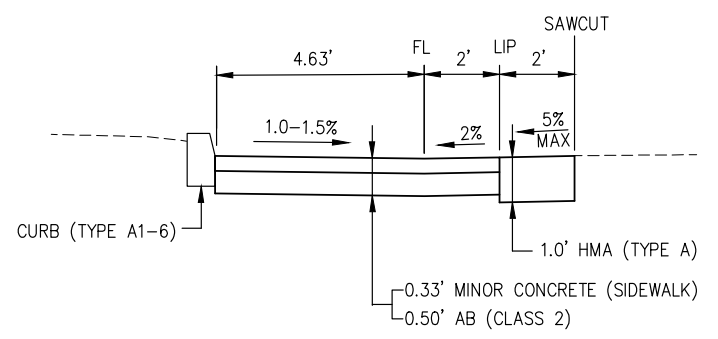


HARVARD WAY - SOUTHWEST RETURN

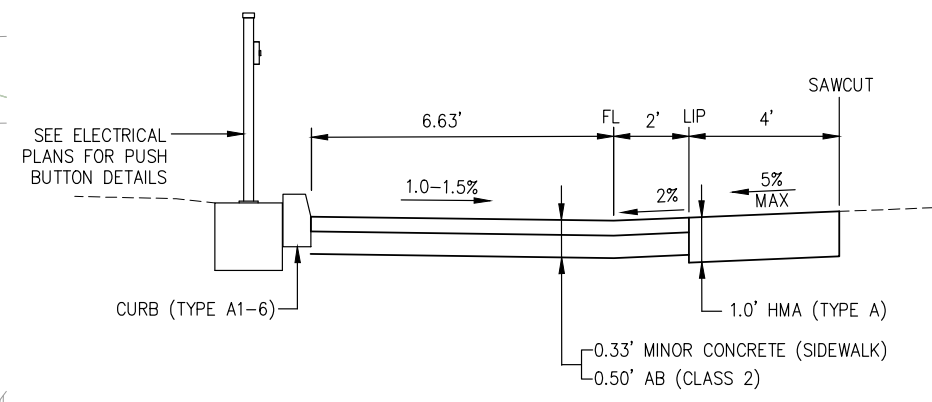
SCALE: 1"=5'

ABBREVIATIONS:
 AP - ANGLE POINT
 BOW - BACK OF SIDEWALK
 (E) - EXISTING
 TOC - TOP OF CURB

CURVE DATA				
NUMBER	LENGTH	RADIUS	LINE/CHORD DIRECTION & LENGTH	DELTA
8	28.60	21.37	N 40° 38' 50" W - 26.52	40° 38' 50"
9	42.79	28	N 40° 38' 50" W - 38.74	87° 33' 21"



SECTION A-A
NTS



SECTION B-B
NTS

CONSTRUCTION NOTES:

1. REMOVE EXISTING CURB, GUTTER AND SIDEWALK AT EXISTING JOINT AS SHOWN.
2. INSTALL CURB (TYPE A1-6) AND C&G (TYPE A2-6) PER CALTRANS STANDARD PLAN A87A.
3. REFER TO CALTRANS STANDARD PLAN A88A FOR ADDITIONAL DETAILS AND OTHER INFORMATION NOT SHOWN.
4. GRADE AREA BEHIND SIDEWALK AT 4:1 MAX AND REPLACE LANDSCAPING MATERIAL IN KIND.
5. PROTECT (E) UTILITIES, SIGNAL POLES, AND SIGNAL FOUNDATIONS IN PLACE.
6. ADJUST TWO (E) UTILITY BOXES TO GRADE THAT ARE WITHIN RECONSTRUCTED SIDEWALK AREA.
7. AT CURB RAMP LOCATIONS, GUTTER DEPRESSION WILL BE SET 0.5 INCHES BELOW LIP OF GUTTER FOR A SLOPE OF 2.0% TOWARDS THE FLOW LINE.

GENERAL NOTES

1. STATION/OFFSET CALLOUTS PER 'SV' LINE.

**CURB RAMP DETAILS
SCALE : AS NOTED**

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
B. Franklin
 REGISTERED CIVIL ENGINEER
 DATE: 3/30/2021

DESIGNED: JR AN
 CHECKED: BF 3/30/2021
 ROAD NUMBER: 2347B

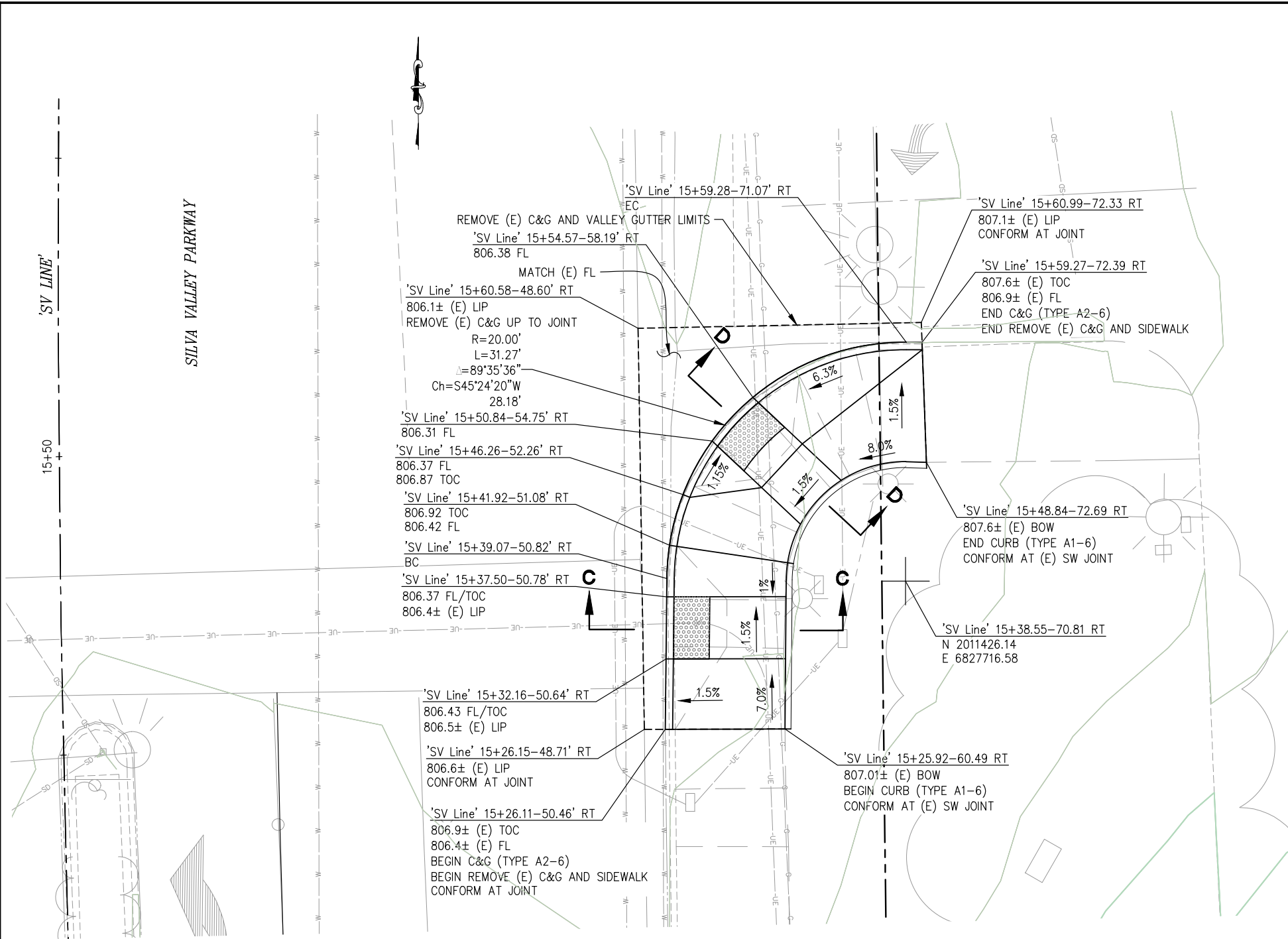


**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

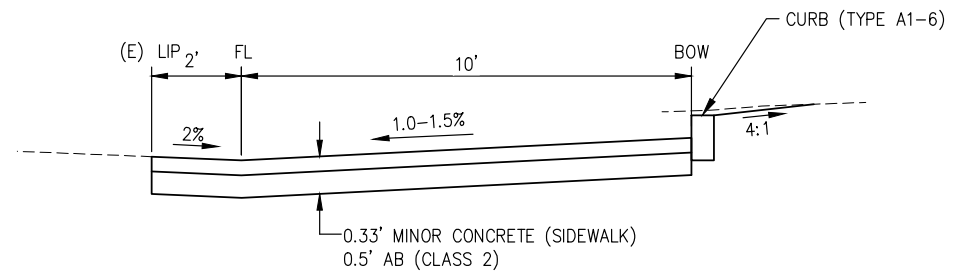
**SILVA VALLEY INTERSECTION
IMPROVEMENTS AT HARVARD WAY**

SHEET
C-1
 6 OF 17
 W.O. No. **72378**

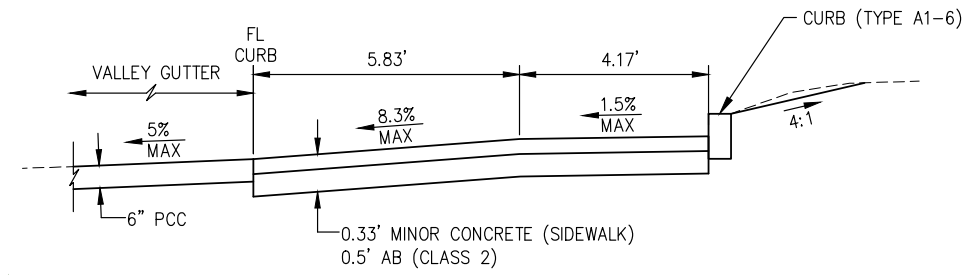
ORIGINAL SCALE IS IN INCHES
 Drawing name: Z:\Civil 3D Projects\2378 Silva Valley and Harvard Way Intersection\CADD Files\Sheets\C-Sheets.dwg Layout Tab: C-2 Apr 01, 2021 - 11:43am ANguyen
 FOR REDUCED PLANS
 2
 1
 0



SILVA VALLEY PARKWAY - SOUTHEAST RETURN
 SCALE: 1"=5'



SECTION C-C
 NTS



SECTION D-D
 NTS

CONSTRUCTION NOTES:

1. REMOVE (E) CURB, GUTTER, AND SIDEWALK AT EXISTING JOINT AS SHOWN.
2. INSTALL CURB (TYPE A1-6) AND C&G (TYPE A2-6) PER CALTRANS STANDARD PLAN A87A.
3. REFER TO CALTRANS STANDARD PLAN A88A FOR ADDITIONAL DETAILS, AND OTHER INFORMATION NOT SHOWN.
4. GRADE AREA BEHIND SIDEWALK AT 4:1 MAX AND REPLACE LANDSCAPE MATERIAL IN KIND.
5. PROTECT (E) UTILITIES, SIGNAL POLES, AND SIGNAL FOUNDATION IN PLACE.
6. (E) UTILITIES, PROTECT IN PLACE.

GENERAL NOTES:

1. STATION/OFFSET CALLOUTS PER 'SV' LINE.

ABBREVIATIONS

- BOW - BACK OF SIDEWALK
- (E) - EXISTING
- TOC - TOP OF CURB
- C&G - CURB AND GUTTER

CURB RAMP DETAILS
 SCALE : AS NOTED

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
B. Frankfort
 REGISTERED CIVIL ENGINEER
 DATE: 3/30/2021

DESIGNED: JR
 DRAWN: RR
 CHECKED: BF
 DATE: 3/30/2021
 ROAD NUMBER: 2347B

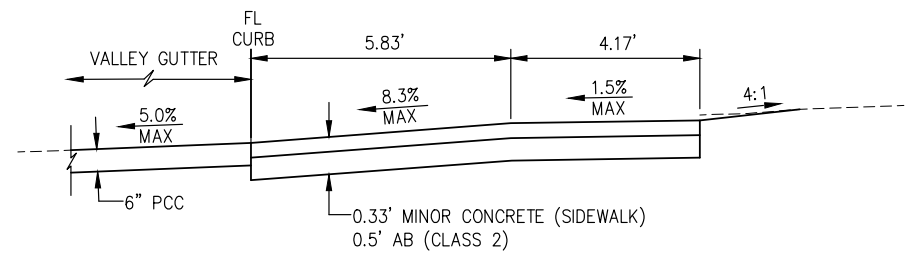


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

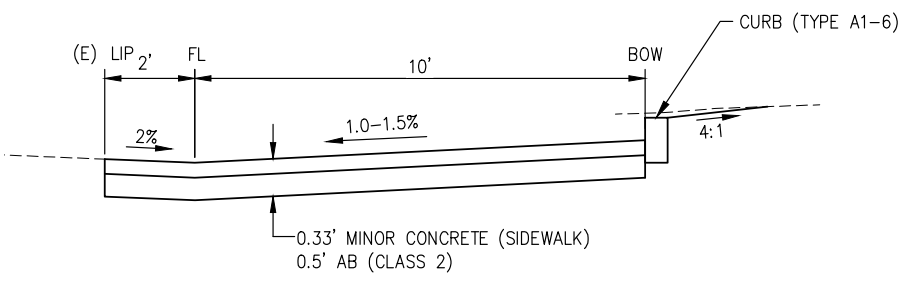
SILVA VALLEY INTERSECTION
IMPROVEMENTS AT HARVARD WAY

SHEET
C-2
 7 OF 17
 W.O. No. **72378**

ORIGINAL SCALE IS IN INCHES
 Drawing name: Z:\Civil_3D\Projects\72378 Silva Valley and Harvard Way Intersection\CADD\Files\Sheets\C-Sheets.dwg Layout Tab: C-3 Apr 01, 2021 11:45am ANguyen
 FOR REDUCED PLANS



SECTION E-E
NTS



SECTION F-F
NTS

CONSTRUCTION NOTES:

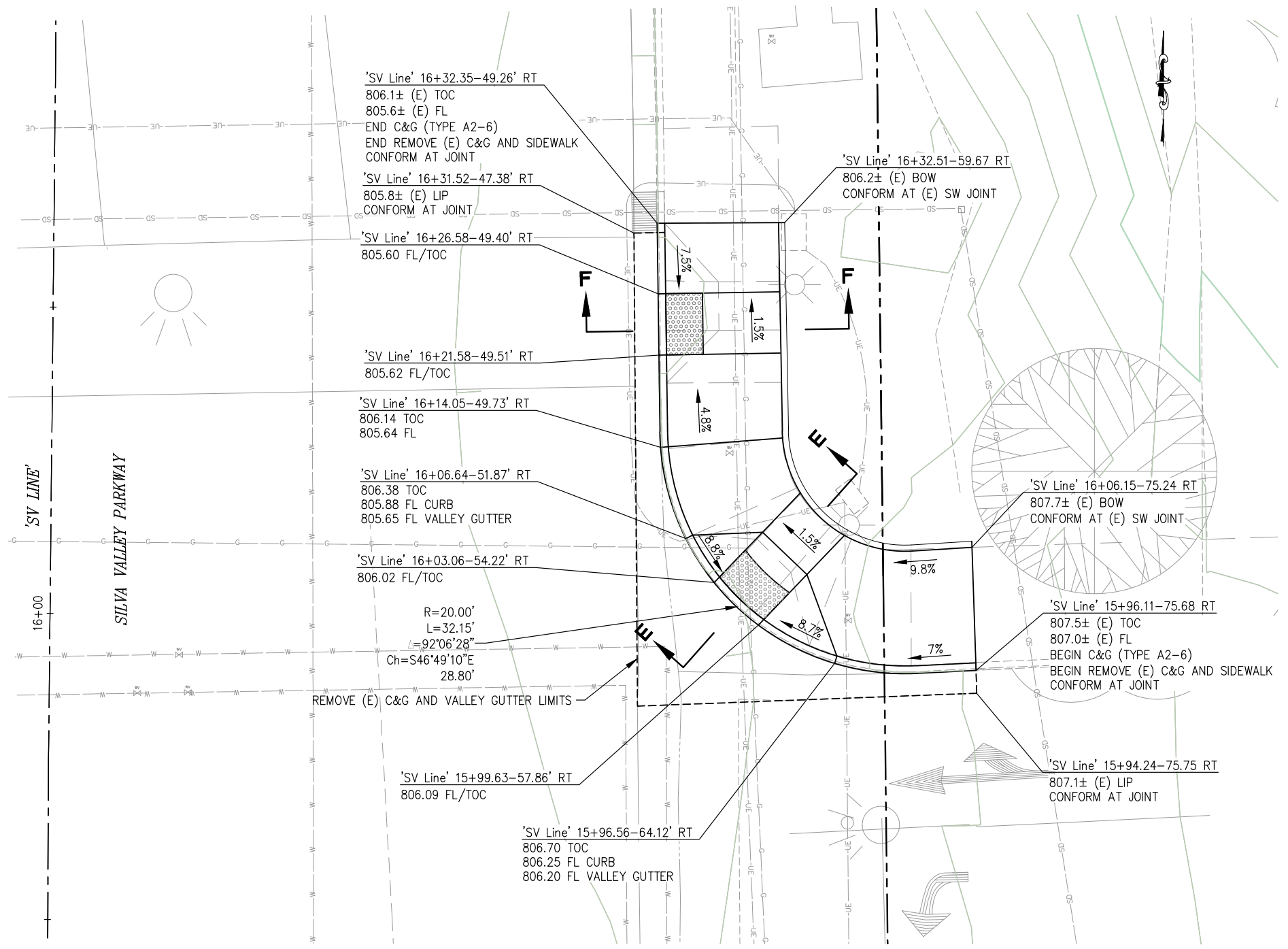
1. REMOVE (E) CURB, GUTTER, AND SIDEWALK AT EXISTING JOINT AS SHOWN.
2. INSTALL CURB (TYPE A1-6) AND C&G (TYPE A2-6) PER CALTRANS STANDARD PLAN A87A.
3. REFER TO CALTRANS STANDARD PLAN A88A FOR ADDITIONAL DETAILS, AND OTHER INFORMATION NOT SHOWN.
4. GRADE AREA BEHIND SIDEWALK AT 4:1 MAX AND REPLACE LANDSCAPE MATERIAL IN KIND.
5. PROTECT (E) UTILITIES, SIGNAL POLES, AND SIGNAL FOUNDATION IN PLACE.
6. ADJUST TWO (E) UTILITY BOXES TO GRADE THAT ARE WITHIN RECONSTRUCTED SIDEWALK AREA.
7. AT CURB RAMP LOCATIONS, GUTTER DEPRESSION WILL BE SET 0.5 INCHES BELOW LIP OF GUTTER FOR A SLOPE OF 2.0% TOWARDS THE FLOW LINE.

GENERAL NOTES:

1. STATION/OFFSET CALLOUTS PER 'SV' LINE.

ABBREVIATIONS

- BOW - BACK OF SIDEWALK
- (E) - EXISTING
- TOC - TOP OF CURB
- C&G - CURB AND GUTTER



SILVA VALLEY PARKWAY - NORTHEAST RETURN

SCALE: 1"=5'

90%

CURB RAMP DETAILS
SCALE : AS NOTED

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
B. Franklin
 REGISTERED CIVIL ENGINEER
 DATE: 3/30/2021

DESIGNED: JR
 DRAWN: RR
 CHECKED: BF
 DATE: 3/30/2021
 ROAD NUMBER: 2347B

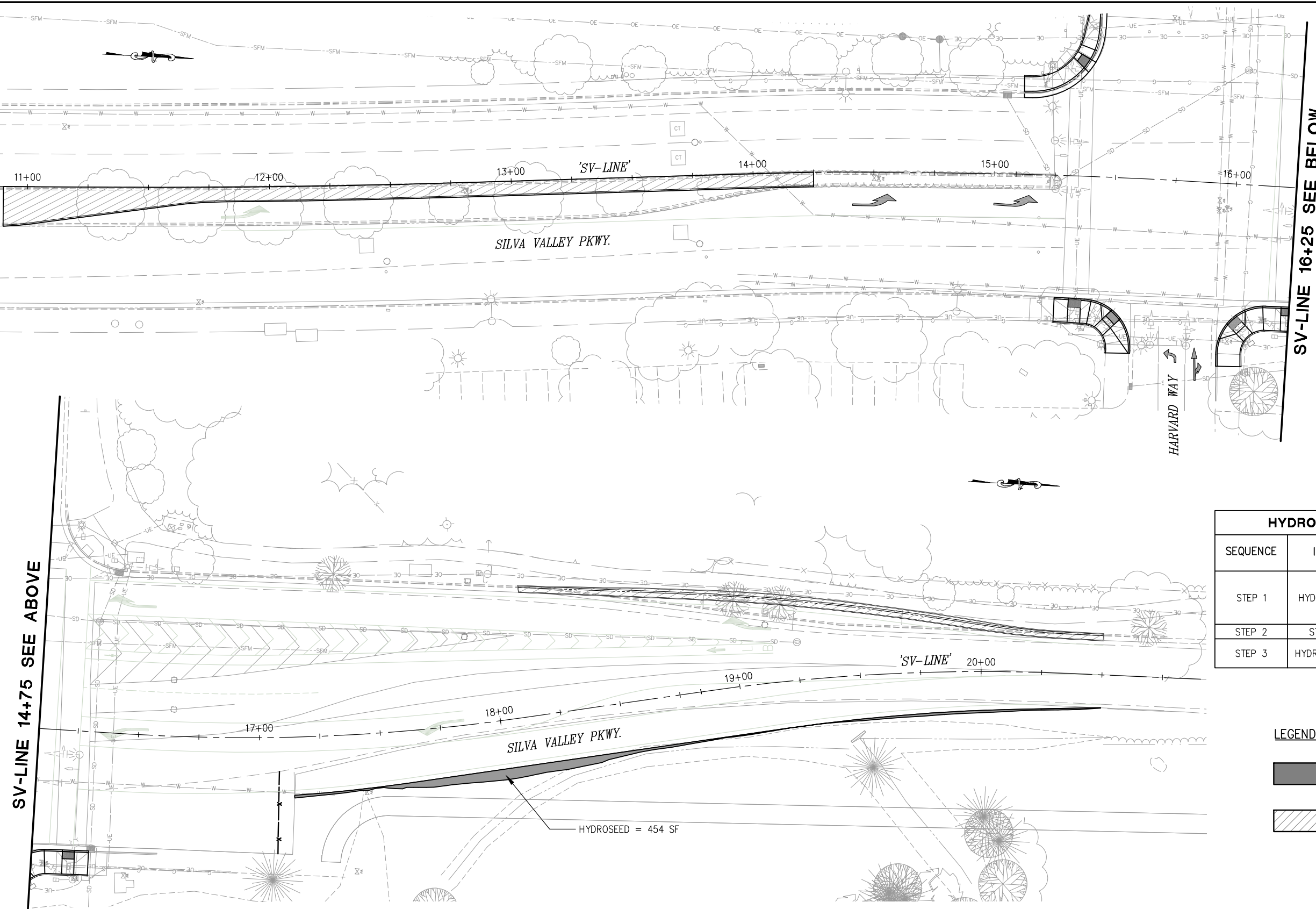


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

SILVA VALLEY INTERSECTION
IMPROVEMENTS AT HARVARD WAY

SHEET
C-3
 8 OF 17
 W.O. No. **72378**

ORIGINAL SCALE IS IN INCHES
 Drawing name: Z:\Civil 3D Projects\2378 Silva Valley and Harvard Way Intersection\CADD Files\Sheets\EC Sheets.dwg Layout Tab: EC-1 Apr 01, 2021 - 12:05pm ANguyen
 FOR REDUCED PLANS



SV-LINE 14+75 SEE ABOVE

SV-LINE 16+25 SEE BELOW

HYDROSEED APPLICATION TABLE			
SEQUENCE	ITEM	MATERIAL DESCRIPTION	APPLICATION RATE
STEP 1	HYDROSEED	SEED	42 LB/ACRE
		FIBER	500 LB/ACRE
		ORGANIC FERTILIZER	500 LB/ACRE
STEP 2	STRAW	STRAW	4,000 LB/ACRE
STEP 3	HYDROMULCH	FIBER	500 LB/ACRE
		TACKIFIER	120 LB/ACRE

LEGEND

- ALL DISTURBED AREAS AND EXPOSED SLOPE SHALL HAVE HYDROSEED
- RECONFIGURE IRRIGATION SYSTEM

**IRRIGATION & EROSION CONTROL PLANS
SCALE : 1" = 20'**

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
B. Franklin
 REGISTERED CIVIL ENGINEER
 DATE: 3/30/2021

DESIGNED: JR
 DRAWN: AN
 CHECKED: BF
 DATE: 3/30/2021
 ROAD NUMBER: 2347B

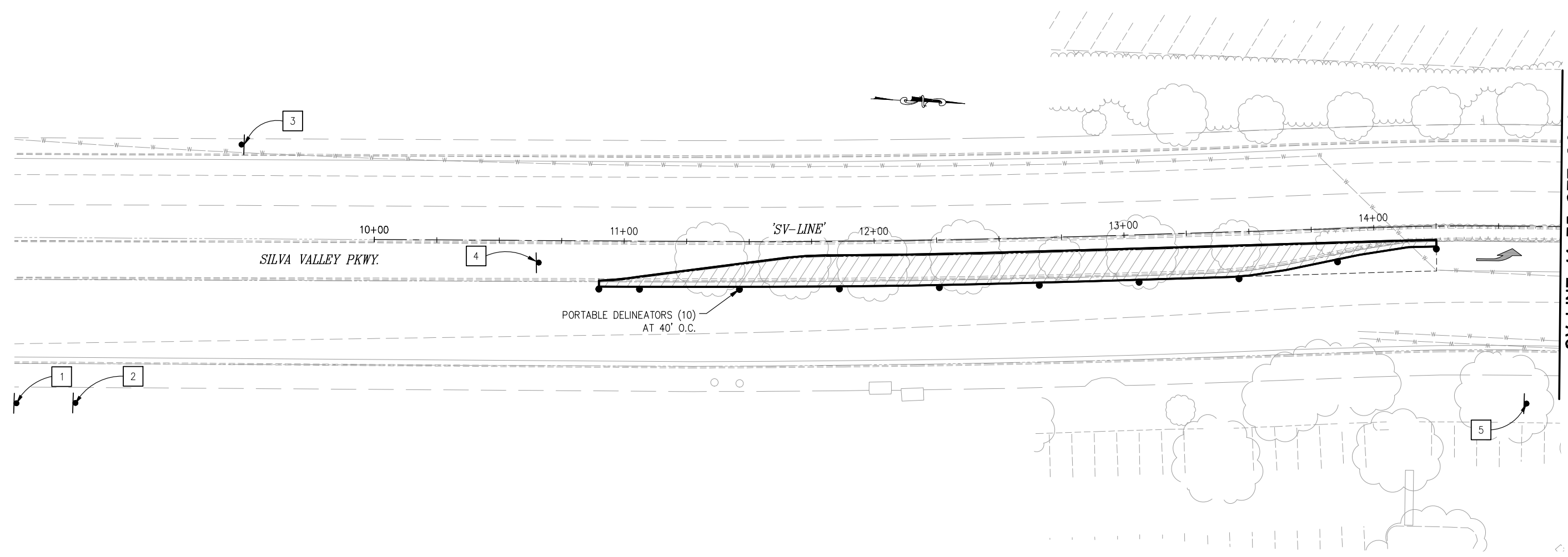


**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

**SILVA VALLEY INTERSECTION
IMPROVEMENTS AT HARVARD WAY**

SHEET
EC-1
 9 OF 17
 W.O. No. **72378**

ORIGINAL SCALE IS IN INCHES
 Drawing name: Z:\Civil 3D\Projects\72378 Silva Valley and Harvard Way Intersection\CADD\Files\Sheets\SC-Sheets.dwg Layout Tab: SC-1 Apr 01, 2021 - 12:10pm ANguyen
 FOR REDUCED PLANS
 2
 1
 0



CONSTRUCTION NOTES:

1. PEDESTRIAN DIVERSIONS MUST BE PROVIDED DURING RECONSTRUCTION OF SIDEWALK AREAS. DIVERSION PLAN MUST BE SUBMITTED FOR APPROVAL BY THE ENGINEER.
2. EXACT LOCATION OF CONSTRUCTION SIGNS WILL NEED TO BE APPROVED BY THE ENGINEER.

ABBREVIATIONS:

- WORK AREA
- PORTABLE DELINEATOR
- TYPE II OR TYPE III BARRICADE
- CONSTRUCTION AREA SIGN
- SIGN NUMBER

ABBREVIATIONS:

O.C. - ON CENTER

**CONSTRUCTION AREA SIGNS
SCALE : 1" = 20'**

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
B. Franklin
 REGISTERED CIVIL ENGINEER
 DATE: 3/30/2021

DESIGNED: JR
 DRAWN: AN
 CHECKED: BF
 DATE: 3/30/2021
 ROAD NUMBER: 2347B

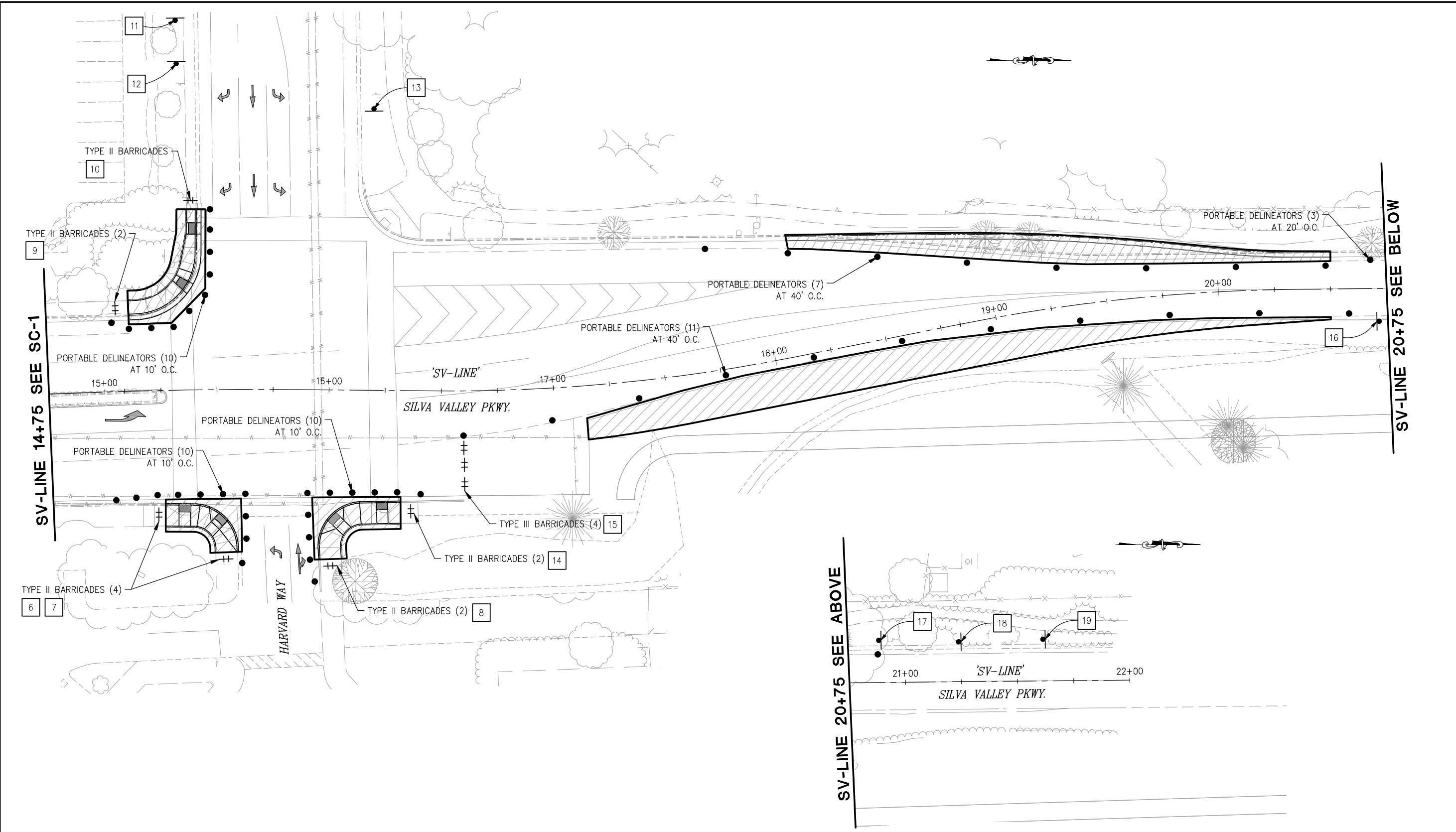


**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

**SILVA VALLEY INTERSECTION
IMPROVEMENTS AT HARVARD WAY**

SHEET
SC-1
 10 OF 17
 W.O. No. **72378**

ORIGINAL SCALE IS IN INCHES
 Drawing name: Z:\Civil 3D\Projects\72378 Silva Valley and Harvard Way Intersection\CADD\Files\Sheets\SC-Sheets.dwg Layout Tab: SC-2 Apr 01, 2021 - 12:11pm ANguyen
 FOR REDUCED PLANS



SV-LINE 14+75 SEE SC-1

SV-LINE 20+75 SEE BELOW

SV-LINE 20+75 SEE ABOVE

CONSTRUCTION AREA SIGNS
SCALE : 1" = 20'

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
B. Franklin
 REGISTERED CIVIL ENGINEER
 DATE: 3/30/2021

DESIGNED: JR
 DRAWN: AN
 CHECKED: BF
 DATE: 3/30/2021
 ROAD NUMBER: 2347B



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

SILVA VALLEY INTERSECTION
IMPROVEMENTS AT HARVARD WAY

SHEET
SC-2
11 OF 17
W.O. No. 72378

2
1
0
 FOR REDUCED PLANS
 ORIGINAL SCALE IS IN INCHES
 Drawing name: Z:\Civil 3D Projects\72378 Silva Valley and Harvard Way Intersection\CADD Files\Sheets\SC-Sheets.dwg Layout Tab: SC-3 Apr 01, 2021 - 12:16pm ANguyen

CONSTRUCTION AREA SIGNS			
SIGN NO.	SIGN	CODE	SIGN SIZE
			(INCHES)
1	ROAD WORK AHEAD	W20-1	36 X 36
2	ROAD NARROWS	W5-1	36 X 36
3	END ROAD WORK	G20-2	36 X 18
4	SHOULDER CLOSED	C30A (CA)	36 X 36
5	SHOULDER CLOSED	C30A (CA)	36 X 36
6	SIDEWALK CLOSED	R9-9	24 X 12
7	SIDEWALK CLOSED	R9-9	24 X 12
8	SIDEWALK CLOSED	R9-9	24 X 12
9	SIDEWALK CLOSED	R9-9	24 X 12
10	SIDEWALK CLOSED	R9-9	24 X 12
11	ROAD WORK AHEAD	W20-1	36 X 36
12	SHOULDER CLOSED	C30A (CA)	36 X 36
13	END ROAD WORK	G20-2	36 X 18
14	SIDEWALK CLOSED	C23 (CA)	36 X 36
15	SHOULDER CLOSED	C30A (CA)	36 X 36
16	END ROAD WORK	G20-2	36 X 18
17	SHOULDER CLOSED	C30A (CA)	36 X 36
18	ROAD NARROWS	W5-1	36 X 36
19	ROAD WORK AHEAD	W20-1	36 X 36

PORTABLE DELINEATORS	
SHEET #	QUANTITY
SC-1	10
SC-2	51
TOTAL	61

BARRICADES	
SHEET #	QUANTITY
SC-2	15
TOTAL	15

90%

CONSTRUCTION AREA SIGN QUANTITIES
NO SCALE

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
B. Franklin
 REGISTERED CIVIL ENGINEER
 DATE: 3/30/2021

DESIGNED: JR
 DRAWN: AN
 CHECKED: BF
 DATE: 3/30/2021
 ROAD NUMBER: 2347B

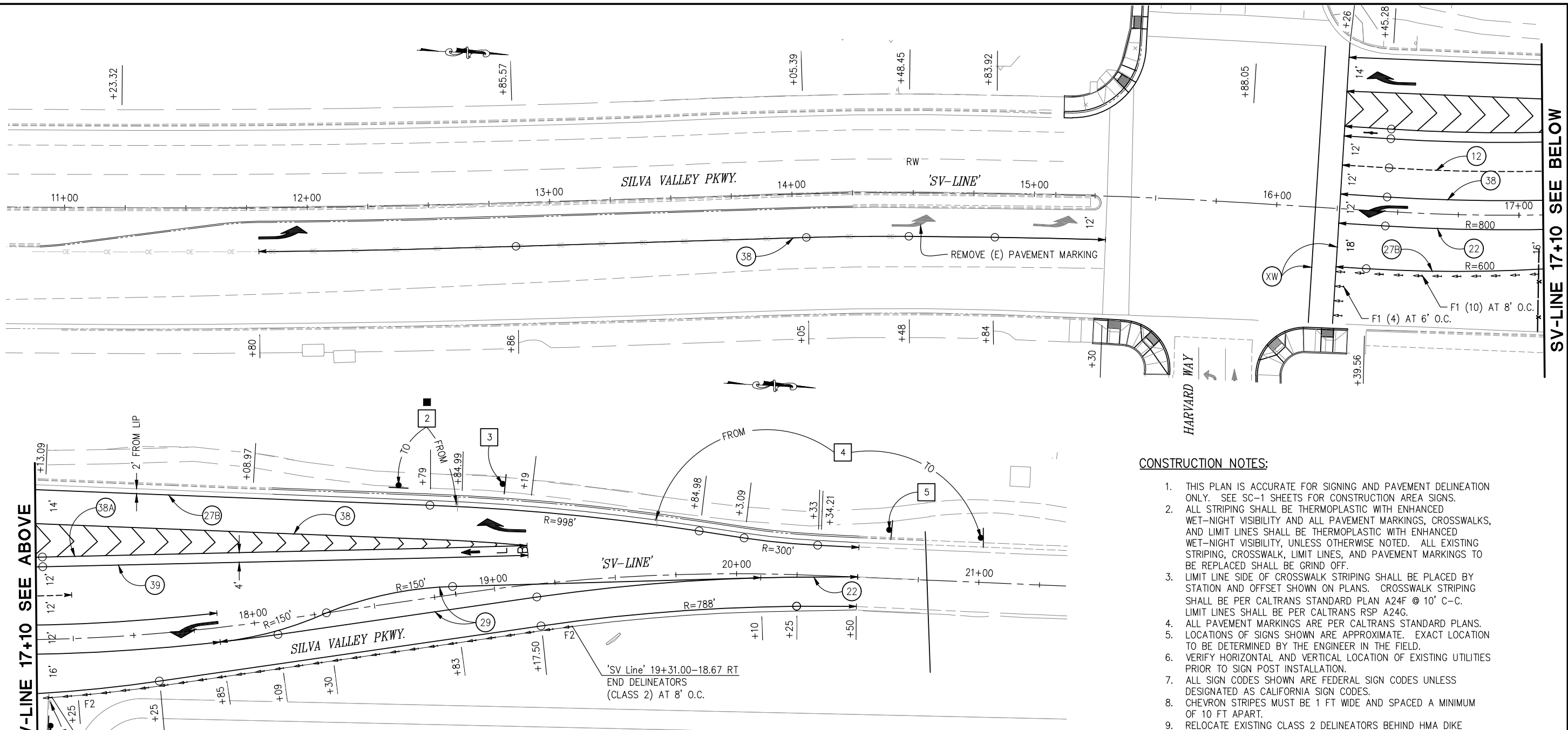


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

SILVA VALLEY INTERSECTION
IMPROVEMENTS AT HARVARD WAY

SHEET
SC-3
12 OF 17
W.O. No. **72378**

ORIGINAL SCALE IS IN INCHES
 Drawing name: Z:\Civil 3D\Projects\72378 Silva Valley and Harvard Way Intersection\CADD\Files\Sheets\SPD Sheets.dwg Layout Tab: SPD-1 Apr 01, 2021 - 12:17pm Alkuyev
 FOR REDUCED PLANS
 2
 1
 0



SV-LINE 17+10 SEE ABOVE

SV-LINE 17+10 SEE BELOW

CONSTRUCTION NOTES:

1. THIS PLAN IS ACCURATE FOR SIGNING AND PAVEMENT DELINEATION ONLY. SEE SC-1 SHEETS FOR CONSTRUCTION AREA SIGNS.
2. ALL STRIPING SHALL BE THERMOPLASTIC WITH ENHANCED WET-NIGHT VISIBILITY AND ALL PAVEMENT MARKINGS, CROSSWALKS, AND LIMIT LINES SHALL BE THERMOPLASTIC WITH ENHANCED WET-NIGHT VISIBILITY, UNLESS OTHERWISE NOTED. ALL EXISTING STRIPING, CROSSWALK, LIMIT LINES, AND PAVEMENT MARKINGS TO BE REPLACED SHALL BE GRIND OFF.
3. LIMIT LINE SIDE OF CROSSWALK STRIPING SHALL BE PLACED BY STATION AND OFFSET SHOWN ON PLANS. CROSSWALK STRIPING SHALL BE PER CALTRANS STANDARD PLAN A24F @ 10' C-C. LIMIT LINES SHALL BE PER CALTRANS RSP A24G.
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 SIGN CODES SHOWN ARE FEDERAL SIGN CODES UNLESS DESIGNATED AS CALIFORNIA SIGN CODES.
8. CHEVRON STRIPES MUST BE 1 FT WIDE AND SPACED A MINIMUM OF 10 FT APART.
9. RELOCATE EXISTING CLASS 2 DELINEATORS BEHIND HMA DIKE (TYPE A) AT 8 FOOT SPACING ON CENTER.
10. INSTALL CLASS 1 DELINEATORS ALONG EDGE OF TRAVELED WAY, STRIPE 27B, AT 8 FOOT SPACING ON CENTER.

LEGEND:

- | | | | | | |
|------|--|-----|----------------------------|---|--------------------------------|
| ○ | - EXIST SIGN | ○ | - BC/EC/PCC | | |
| ● | - INSTALL SIGN SINGLE POST | △ | - ANGLE POINT | ↗ | - TYPE III ARROW |
| ■ | - RELOCATE EXISTING ROADSIDE SIGN | XW | - CROSSWALK | → | - BIKE LANE ARROW |
| (XX) | - STRIPING DETAIL NUMBER | 'B' | - 'BIKE' LEGEND | ⊥ | - BICYCLE LOOP DETECTOR SYMBOL |
| [XX] | - SIGN NUMBER | 'L' | - 'LANE' LEGEND | ⊥ | |
| ⊥ | - LIMITS OF DESIGNATED STRIPES AND DETAILS | ⊥ | - DELINEATOR (CLASS 1 & 2) | | |

**PAVEMENT AND SIGN DELINEATION
SCALE : 1" = 20'**

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
B. Franklin
 REGISTERED CIVIL ENGINEER
 DATE: 3/30/2021

DESIGNED: JR
 DRAWN: AN
 CHECKED: BF
 DATE: 3/30/2021
 ROAD NUMBER: 2347B



**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

**SILVA VALLEY INTERSECTION
IMPROVEMENTS AT HARVARD WAY**

SHEET
SPD-1
 13 OF 17
 W.O. No. 72378

ORIGINAL SCALE IS IN INCHES
 Drawing name: Z:\Civil 3D Projects\2378 Silva Valley and Harvard Way Intersection\CADD Files\Sheets\SPD Sheets.dwg Layout Tab: SPD-2 Apr 01, 2021 - 12:18pm ANguyen
 FOR REDUCED PLANS
 REVISION

SIGN NO.	SIGN	CODE	SIGN SIZE		EXISTING LOCATION	PROPOSED LOCATION (APPROXIMATELY)	REMARKS
			(INCHES)	ONE POST (EA)			
1	ARROW	SW44 (CA)			'SV Line'-17+14.87 - 25.81' LT	'SV Line'-17+15 - 36' LT	RELOCATE EXISTING SIGNS ON BARRICADE
	OBJECT MARKER	N-2 (CA)	18 X 18	1			
2	NO STOPPING	R28 (S) (CA)			'SV Line'-18+89.29 - 36.68' LT	'SV Line'-1'-18+67 - 48' LT	RELOCATE EXISTING SIGN ON METAL POST
3	RIGHT TURN MUST TURN RIGHT	R3-7R	30 X 30	1		'SV Line'-19+30- 37' LT	
4	STREET NAME SIGN	G7-1 (CA)	54 X 30		'SV Line'-19+67.71 - 22.98' LT	'SV Line'-21+00 - 19' LT	RELOCATE EXISTING SIGN ON WOOD POST
5	YIELD TO BIKE	R4-4	24 X 30	1		'SV Line'-20+62 - 19' LT	
TOTAL				2	3		

THERMOPLASTIC TRAFFIC STRIPE (ENHANCED WET-NIGHT VISIBILITY)							
DETAIL No. / CALTRANS STANDARD PLAN	BEGIN STATION	END STATION	THERMOPLASTIC TRAFFIC STRIPE			PAVEMENT MARKER (RETROREFLECTIVE)	
			WHITE (LF)		YELLOW (LF)	TYPE D	TYPE G
			6"	8"	6"		
12 - A20A	SV Line' 16+26 LT	SV Line' 17+25 LT	97				3
22 - A20A	SV Line' 16+26 RT	SV Line' 17+85 RT			320	16	
	SV Line' 20+10 RT	SV Line' 20+50			80	6	
27B - RSP A20B	SV Line' 16+26 LT	SV Line' 20+50 LT	420				
	SV Line' 16+26 RT	SV Line' 20+50 RT	426				
29 - RSP A20B	SV Line' 17+85 RT	SV Line' 20+10 RT			900	20	
38A - RSP A20D	SV Line' 16+26 LT	SV Line' 19+19 LT		284			13
38 - RSP A20D	SV Line' 11+80 RT	SV Line' 15+29.89 RT		325			15
	SV Line' 16+26 LT	SV Line' 17+85 LT		158			8
	SV Line' 16+26 LT	SV Line' 19+19 LT		283			13
39 - RSP A20D	SV Line' 16+26 LT	SV Line' 19+49 LT	284				
SUB TOTAL			1227	1050	1300	42	52
TOTAL				3577			94

REMOVE THERMOPLASTIC STRIPE			
DETAIL NUMBER	LOCATION	THERMOPLASTIC TRAFFIC STRIPE (LF)	PAVEMENT MARKER (EA)
22	'SV Line' 16+30 - 20+50	1,368	32
27B	'SV Line' 16+29 - 20+50	838	
38	'SV Line' 14+27 - 15+30	102	5
	'SV Line' 14+26 - 16+90	60	4
	'SV Line' 16+26 - 18+10	174	9
CHEVRON STRIPES	'SV Line' 16+26 - 18+10	296	
TOTAL		2,838	

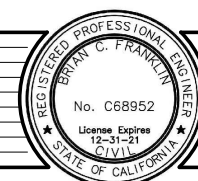
REMOVE THERMOPLASTIC PAVEMENT MARKING			
SYMBOL DESCRIPTION - CALTRANS STANDARD PLAN	QUANTITY (EA)	AREA (SF)	TOTAL AREA (SF)
TYPE I 18'-0" ARROW - A24A	1	25	25
TYPE III (L/R) ARROW - A24B	5	42	210
CROSSWALK - A24F	230	1	230
TOTAL			465

THERMOPLASTIC PAVEMENT MARKINGS - (ENHANCED WET NIGHT VISIBILITY)			
SYMBOL DESCRIPTION - CALTRANS STANDARD PLAN	QUANTITY (EA)	AREA (SF)	TOTAL AREA (SF)
TYPE III (L) ARROW - A24B	3	42	126
TYPE III (R) ARROW - A24B	2	42	84
BIKE - A24D	1	5	5
LANE - A24D	1	6	6
BIKE LANE LOOP DETECTOR - A24C	1	2	2
BIKE LANE ARROW - A24A	1	3.5	3.5
CROSSWALK - A24F	230	1	230

DELINEATORS		
STATION	CLASS 1	CLASS 2
16+25 TO 17+15	14	
17+15 TO 19+31		28
TOTAL	14	28

PAVEMENT AND SIGN DELINEATION QUANTITIES
SCALE : N/A

NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
B. Frankfort
 REGISTERED CIVIL ENGINEER
 DATE: 3/30/2021

DESIGNED: JR
 DRAWN: AN
 CHECKED: BF
 DATE: 3/30/2021
 ROAD NUMBER: 2347B



COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

SILVA VALLEY INTERSECTION
IMPROVEMENTS AT HARVARD WAY

SHEET
SPD-2
14 OF 17
W.D. No. **72378**

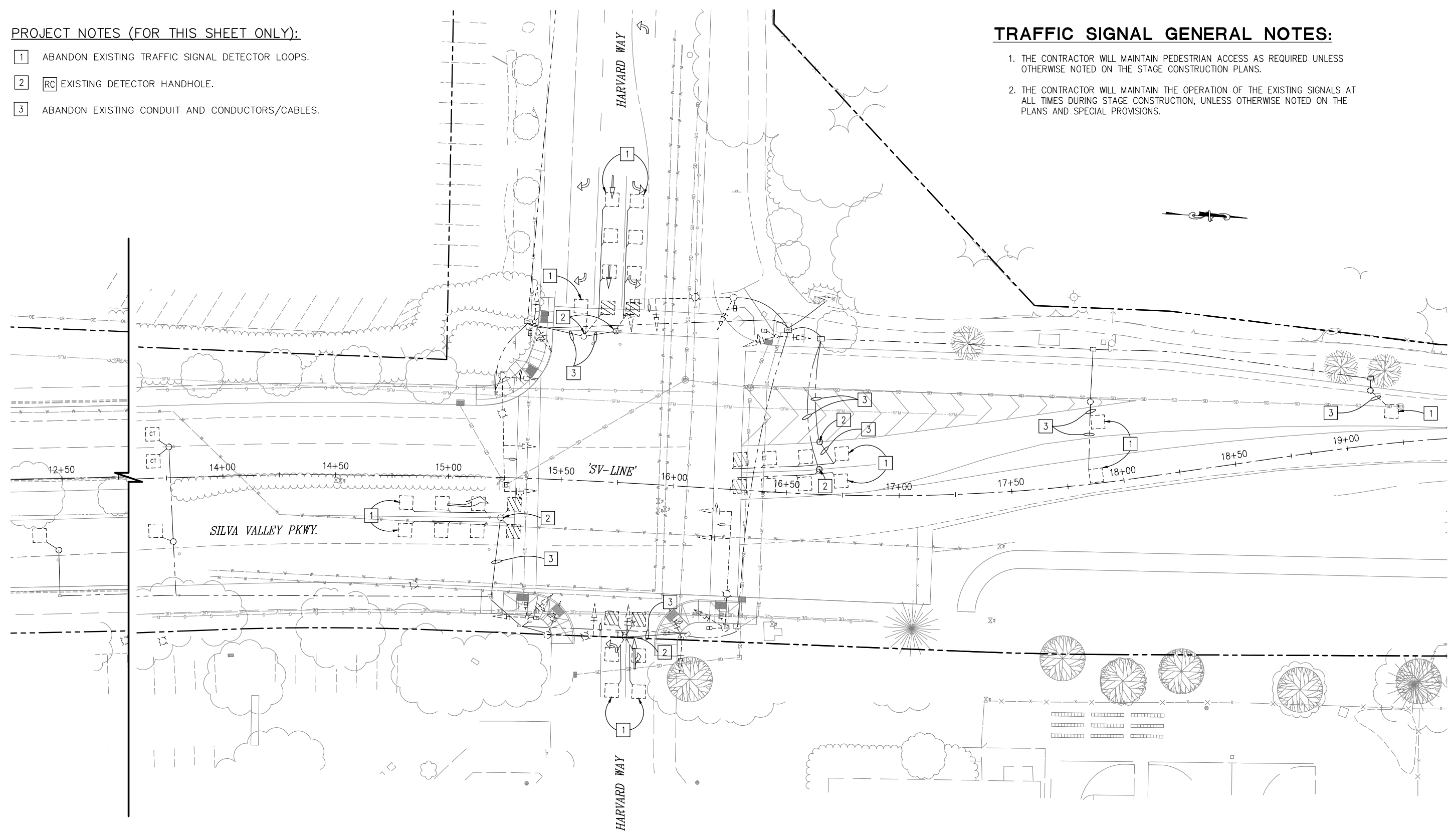
2 ORIGINAL SCALE IS IN INCHES
 Drawing name: Z:\Civil 3D\Projects\72378 Silva Valley and Harvard Way Intersection\CADD\Files\Sheets\E_Sheets.dwg Layout Tab: E-1 Apr 01, 2021 - 12:20pm ANguyen
 FOR REDUCED PLANS

PROJECT NOTES (FOR THIS SHEET ONLY):

- 1 ABANDON EXISTING TRAFFIC SIGNAL DETECTOR LOOPS.
- 2 RC EXISTING DETECTOR HANDHOLE.
- 3 ABANDON EXISTING CONDUIT AND CONDUCTORS/CABLES.

TRAFFIC SIGNAL GENERAL NOTES:

- 1. THE CONTRACTOR WILL MAINTAIN PEDESTRIAN ACCESS AS REQUIRED UNLESS OTHERWISE NOTED ON THE STAGE CONSTRUCTION PLANS.
- 2. THE CONTRACTOR WILL MAINTAIN THE OPERATION OF THE EXISTING SIGNALS AT ALL TIMES DURING STAGE CONSTRUCTION, UNLESS OTHERWISE NOTED ON THE PLANS AND SPECIAL PROVISIONS.



MODIFY SIGNAL AND LIGHTING PLAN
EXISTING SIGNAL AND LIGHTING (REMOVAL)
SCALE : 1" = 20'

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
B. Franklin
 REGISTERED CIVIL ENGINEER
 DATE: 3/30/2021

DESIGNED: JR
 DRAWN: AN
 CHECKED: BF
 DATE: 3/30/2021
 ROAD NUMBER: 2347B

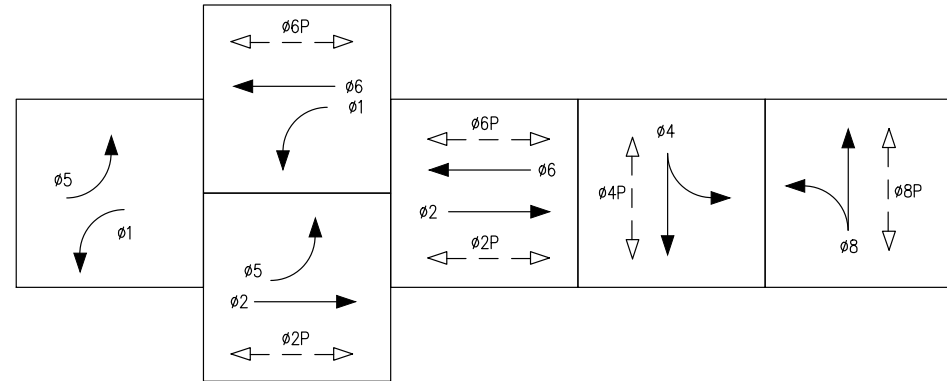


COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION

SILVA VALLEY INTERSECTION
IMPROVEMENTS AT HARVARD WAY

SHEET
E-1
 15 OF 17
 W.O. No. **72378**

ORIGINAL SCALE IS IN INCHES
 Drawing name: Z:\Civil 3D\Projects\2378 Silva Valley and Harvard Way Intersection\CADD Files\Sheets\Layout Tab: E-2 Apr 01, 2021 - 12:21pm ANuyen
 FOR REDUCED PLANS
 2
 1
 0

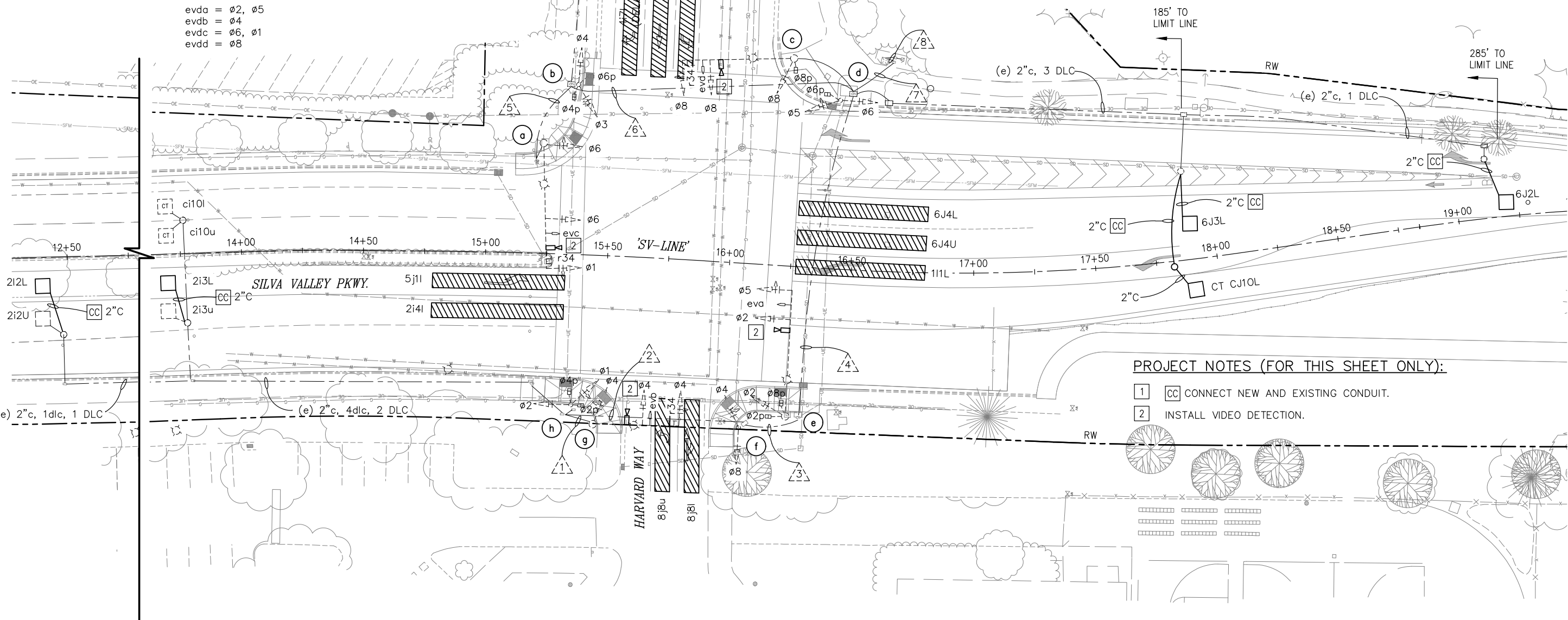


EXISTING/PROPOSED TRAFFIC PHASE DIAGRAM

evda = ø2, ø5
 evdb = ø4
 evdc = ø6, ø1
 evdd = ø8

TRAFFIC SIGNAL GENERAL NOTES:

1. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 2018 EDITION OF THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS AND THE 2018 STANDARD SPECIFICATIONS, THE 2010 REVISION OF THE CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, AND THE SPECIAL PROVISIONS.
2. LOCATIONS OF EXISTING UTILITIES SHOWN ON THIS PLAN ARE APPROXIMATE AND MAY NOT BE COMPLETE. CONTRACTOR SHALL VERIFY THE EXISTENCE, 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. THE LOCATION OF ALL CONDUITS AND OTHER EQUIPMENT SHOWN ON THE PLANS ARE APPROXIMATE AND MAY BE CHANGED TO SUIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
4. ALL DETECTOR LOOPS SHALL BE INSTALLED AT THE CENTER OF THE TRAVEL LANE UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE ENGINEER. SEE CALTRANS STANDARD PLANS ES-5A & ES-5B FOR DETAILS.
5. DETECTOR HANDHOLES AND HOME RUN CONDUIT SHALL BE PLACED IN COMMON TRENCH.
6. CONTRACTOR MUST WORK AROUND EXISTING CONDUITS WHILE INSTALLING NEW CONDUITS.



PROJECT NOTES (FOR THIS SHEET ONLY):

- 1 [CC] CONNECT NEW AND EXISTING CONDUIT.
- 2 [] INSTALL VIDEO DETECTION.

**MODIFY SIGNAL AND LIGHTING PLAN
SCALE : 1" = 20'**

REVISION	NUMBER	DATE	DESCRIPTION	BY



PREPARED UNDER THE SUPERVISION OF:
B. Franklin
 REGISTERED CIVIL ENGINEER
 DATE: 3/30/2021

DESIGNED: JR
 DRAWN: AN
 CHECKED: BF
 DATE: 3/30/2021
 ROAD NUMBER: 2347B



**COUNTY OF EL DORADO
DEPARTMENT OF TRANSPORTATION**

**SILVA VALLEY INTERSECTION
IMPROVEMENTS AT HARVARD WAY**




SHEET
E-2
 16 OF 17
 W.O. No. **72378**

ORIGINAL SCALE IS IN INCHES
 Drawing name: Z:\Civil 3D Projects\2378 Silva Valley and Harvard Way Intersection\CADD Files\Sheets\E Sheets.dwg Layout Tab: E-3 Apr 01, 2021 - 12:23pm ANguyen
 FOR REDUCED PLANS
 2
 1
 0

POLE AND EQUIPMENT SCHEDULE														
NO.	STANDARD				VEHICLE SIGNAL MOUNTING			PEDESTRIAN SIGNAL MOUNTING		PPB		LUMINAIRE (WATTS)	REMARKS	
	TYPE	HEIGHT (FT)	SIG. MA (FT)	LUM. MA (FT)	Ø	MAST ARM	Ø	POLE	Ø	POLE	Ø			ARROW
(a)	29-5-129	30	50	15	6	mas mat	6	SV-1-T	-	-	-	-	250W	EXISTING evc, r34, and G7 (Harvard Way) ON SMA. INSTALL VIDEO DETECTION ON SMA.
(b)	1-b	10	-	-	-	-	3 4	TV-2-T	4 6	SP-2-T	4 6	LEFT RIGHT		
(c)	26-4-129	30	45	15	8	mas mat	8	SV-1-T	8	SP-1-T	8	RIGHT	250W	EXISTING evd, r34, and G7 (Silva Valley Parkway) ON SMA. INSTALL VIDEO DETECTION ON SMA.
(d)	1-b	10	-	-	-	-	5 6	TV-2-T	6	SP-1-T	6	LEFT		
(e)	29-5-129	30	50	15	2 5	mas mat	2	SV-1-T	8 2	SP-2-T	8 2	LEFT RIGHT	250W	EXISTING eva, r34, and G7 (Harvard Way) ON SMA. INSTALL VIDEO DETECTION ON SMA.
(f)	1-b	10	-	-	-	-	4 8	TV-2-T		-	-	-		
(g)	24-4-129	30	35	15	4	mas mat	4	SV-1-T		-			250W	EXISTING evb, r34, and G7 (Silva Valley Parkway) ON SMA. INSTALL VIDEO DETECTION ON SMA.
(h)	1-b	10	-	-	-	-	1 2	TV-2-T	2 4	SP-2-T	2 4	LEFT RIGHT		

CONDUCTOR & CONDUIT SCHEDULE																
AWG SIZE OR CABLE TYPE	PHASE Ø	POLE OR CIRCUIT	RUN No.													
			1	2	3	4	5	6	7	8						
12/3 CONDUCTOR SIGNAL CABLES	1, 6	POLE (a)						1	1	1	1					
	3, 4	4p, 6p POLE (b)							1	1	1					
	8	8p POLE (c)								1	1					
	5, 6	6p POLE (d)								1	1					
	2, 5	2p, 8p POLE (e)				1	1			1	1					
	4, 8	POLE (f)			1	1	1	1		1	1					
	4	POLE (g)		1	1	1	1	1		1	1					
	1, 2	2p, 4p POLE (h)	1	1	1	1	1	1		1	1					
TOTAL CABLES 12/3 CONDUCTORS			1	1	2	3	3	4	4	1	2	1	8	7	8	7
#6	CONTROLLER														2	
#8	LIGHTING			2	2	2	2	2	2	2	2	2	2	2		
TYPE B DLC	Ø2		3	3	3	3						3	3			
	Ø4										2	2	2			
	Ø6										2	2	2			
	COUNT		2	2	2	2					2	4	4			
TOTAL			5	5	5	5					4	11	11			
EVC	evda						1					1	1			
	evdb		1	1	1							1	1			
	evdc							1	1	1	1	1				
	evdd											1	1			
TOTAL				1	1	2	1	1	1	1	4	4				
VIDEO DETECTION CABLE				1	1	1	1	1	1	2	2					
CONDUIT SIZE			3.5"	4"	4"	4"	4"	4"	4"	2-4"	3-4"					
% FILL			10%	14%	19%	24%	5%	12%	24%	20%						

MODIFY SIGNAL AND LIGHTING PLAN
SCALE : N/A

REVISION NUMBER DATE DESCRIPTION BY		PREPARED UNDER THE SUPERVISION OF :  REGISTERED CIVIL ENGINEER DATE: 3/30/2021	DESIGNED: JR DRAWN: AN CHECKED: BF DATE: 3/30/2021 ROAD NUMBER: 2347B		COUNTY OF EL DORADO DEPARTMENT OF TRANSPORTATION	SILVA VALLEY INTERSECTION IMPROVEMENTS AT HARVARD WAY	SHEET E-3 17 OF 17 W.O. No. 72378
--	--	---	---	---	---	--	--