

CITY OF SEBASTOPOL CONTRACT NO. 2023-01

FEDERAL PROJECT NO. STPL-5123(016)

BODEGA AVENUE BIKE LANES AND REHABILITATION PHASE 1

REHABILITATION OF CORRIDOR IN THE CITY OF SEBASTOPOL

ABBREVIATIONS

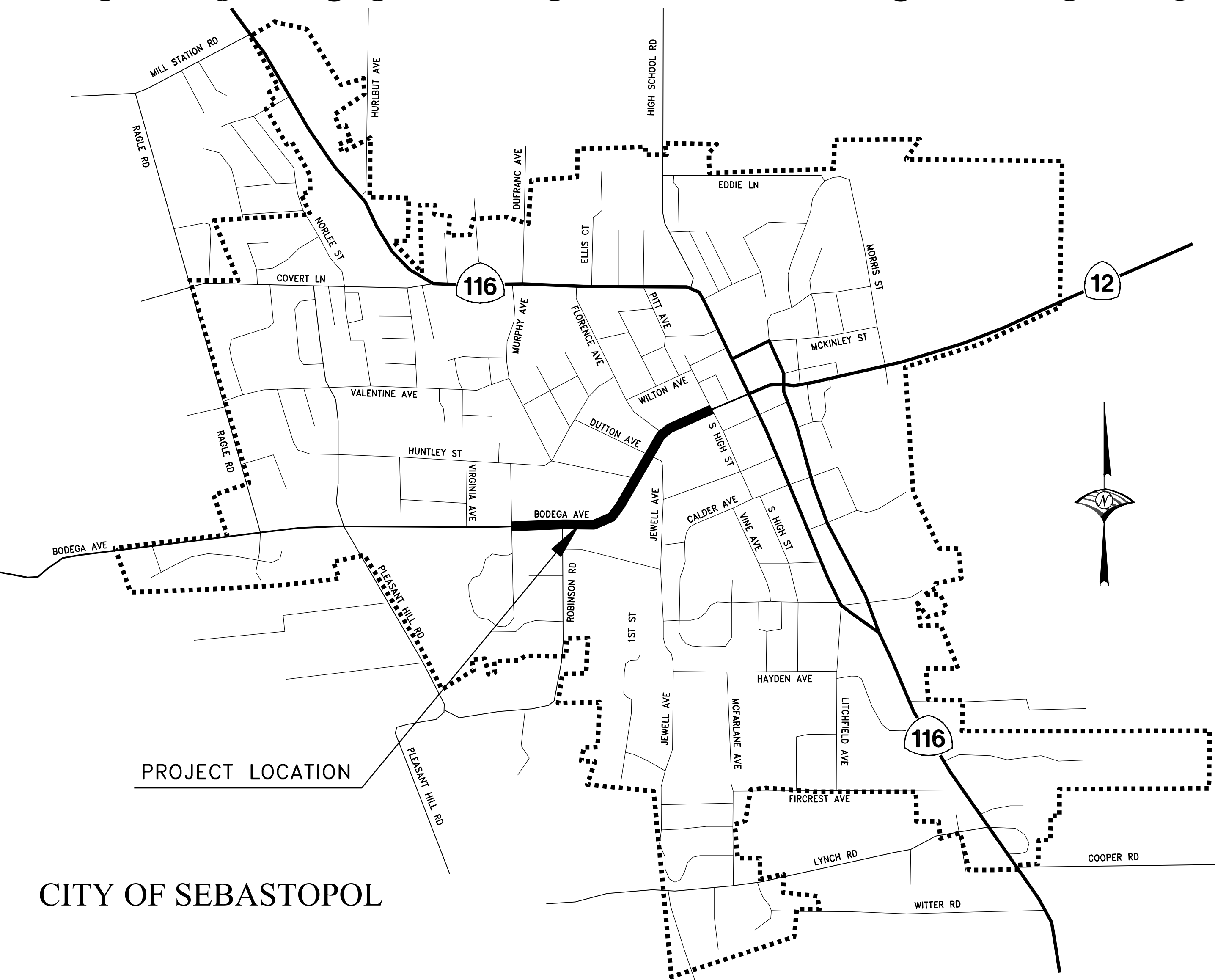
AB	AGGREGATE BASE
AC	ASPHALT CONCRETE
AT&T	AMERICAN TELEPHONE AND TELEGRAPH, INC.
Beg	BEGIN
CL	CENTERLINE
DI	DRAINAGE INLET
DIM	DIMENSION
DWS	DETECTABLE WARNING SURFACE
E	EAST, EASTING
EXIST	EXISTING
ELEV	ELEVATION
FH	FIRE HYDRANT
FL	FLOW LINE
FS	FINISHED SURFACE
H	HEIGHT
HMA	HOT MIX ASPHALT
L	LENGTH
LT	LEFT
LOG	LIP OF GUTTER
MH	MANHOLE
N	NORTH, NORTHING
No.	NUMBER
PG&E	PACIFIC GAS AND ELECTRIC
R	RADIUS
R/W, ROW	RIGHT OF WAY
RT	RIGHT
S	SOUTH
SHT	SHEET
STA	STATION
STD	STANDARD
STLT	STREET LIGHT
SSBM	STRAP AND SADDLE BRACKET METHOD
T	TANGENT
TWLT	TWO-WAY LEFT-TURN LANE
VAR	VARIES
W	WEST

INDEX OF SHEETS

1	TITLE SHEET
2	TYPICAL SECTIONS
3-5	PLAN AND PROFILE
6-12	CONSTRUCTION DETAILS
13-15	SIGNING AND STRIPING
16	PROJECT CONTROL

LEGEND

	EXISTING
OVERHEAD ELECTRICAL	— e — (oh) —
UNDERGROUND ELECTRICAL	— e — e —
OVERHEAD TELEPHONE	— t — (oh) —
UNDERGROUND TELEPHONE	— t — t —
NATURAL GAS	— g — g —
SEWER	— s — s —
WATER	— w — w —
STORM DRAIN	— sd — sd —



PROJECT LOCATION

CITY OF SEBASTOPOL

LOCATION MAP

UTILITY REPRESENTATIVES

UTILITY	REPRESENTATIVES		PHONE
U.S.A.			1-800-227-2600
GAS	PG&E	STEVE WILLIS	(707) 579-6300
ELECTRICITY	PG&E	STEVE WILLIS	(707) 579-6300
TELEPHONE	AT&T	MICHAEL MCAFFEE	(415) 233-1474
WATER	CITY OF SEBASTOPOL	MARIO LANDEROS	(707) 823-2151
SEWER	CITY OF SEBASTOPOL	MARIO LANDEROS	(707) 823-2151
DRAINAGE	CITY OF SEBASTOPOL	MARIO LANDEROS	(707) 823-2151
T.V. CABLE	COMCAST	TONYA BATTLE	(925) 453-6556
BROADBAND FIBER OPTIC	SONIC	HANK SCHLOTMAN	(707) 522-1000 EXT. 2542

UNDERGROUND SERVICE ALERT



CALL TOLL FREE
1-800-227-2600

TWO WORKING DAYS BEFORE YOU DIG



WOOD RODGERS
BUILDING RELATIONSHIPS ONE PROJECT AT A TIME
3301 C ST, BLDG. 100-B TEL 916.341.7760
SACRAMENTO, CA 95816 FAX 916.341.7767

PUBLIC WORKS DEPARTMENT
CITY OF SEBASTOPOL
SEBASTOPOL CALIFORNIA

DATE: SEPTEMBER 2022
DRAWN BY: VM
DESIGNED BY: VM
CHECKED BY: SR
APPROVED BY: MS
SCALE: NO SCALE

DATE: SEPTEMBER 30, 2022

Steven Robinson



APPROVED BY:
DATE: OCTOBER 3, 2022

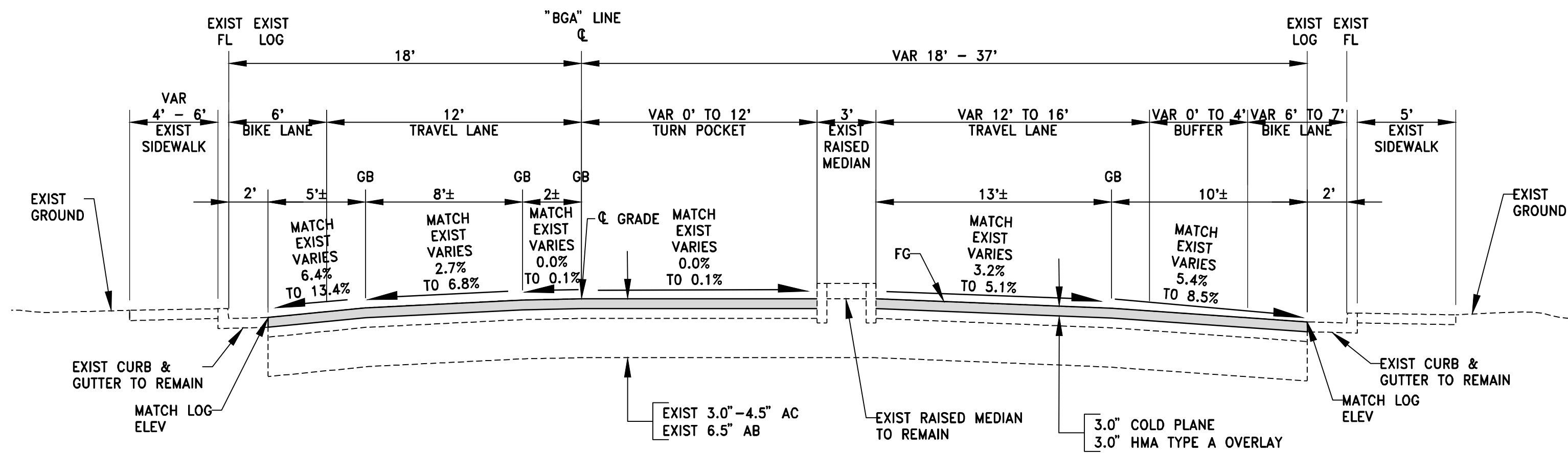
Mario Landeros
MARIO LANDEROS, CITY ENGINEER
CITY OF SEBASTOPOL

No.	REVISION	DATE	BY
1	BID SET REVISION	3/28/23	SR

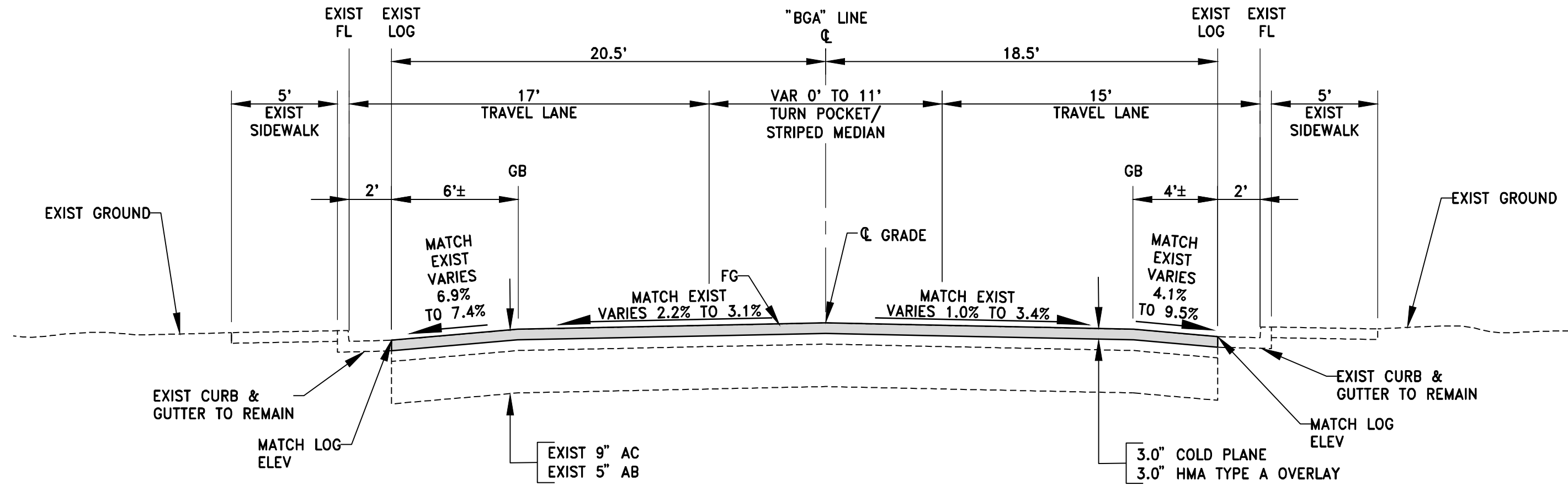
**BODEGA AVENUE BIKE LANES
AND REHABILITATION PHASE 1**
TITLE SHEET

SHEET
1
OF
16

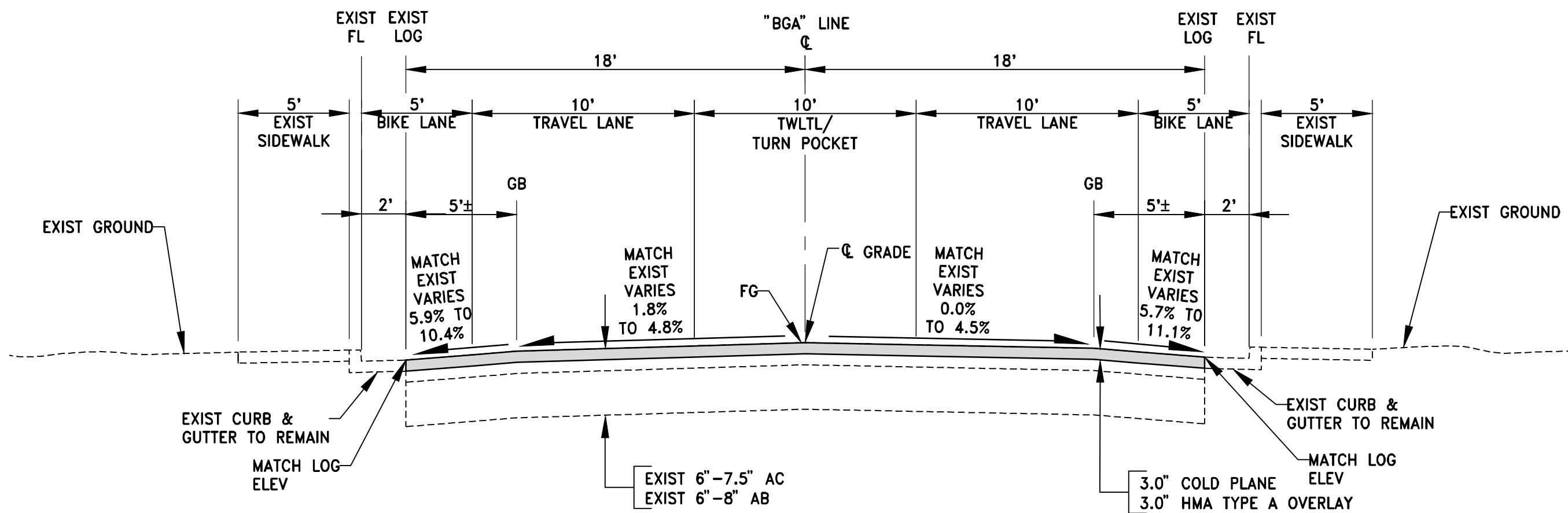
NOTE:
PLACE GEOSYNTHETIC PAVEMENT INTERLAYER (PAVING MAT) UNDER OVERLAY



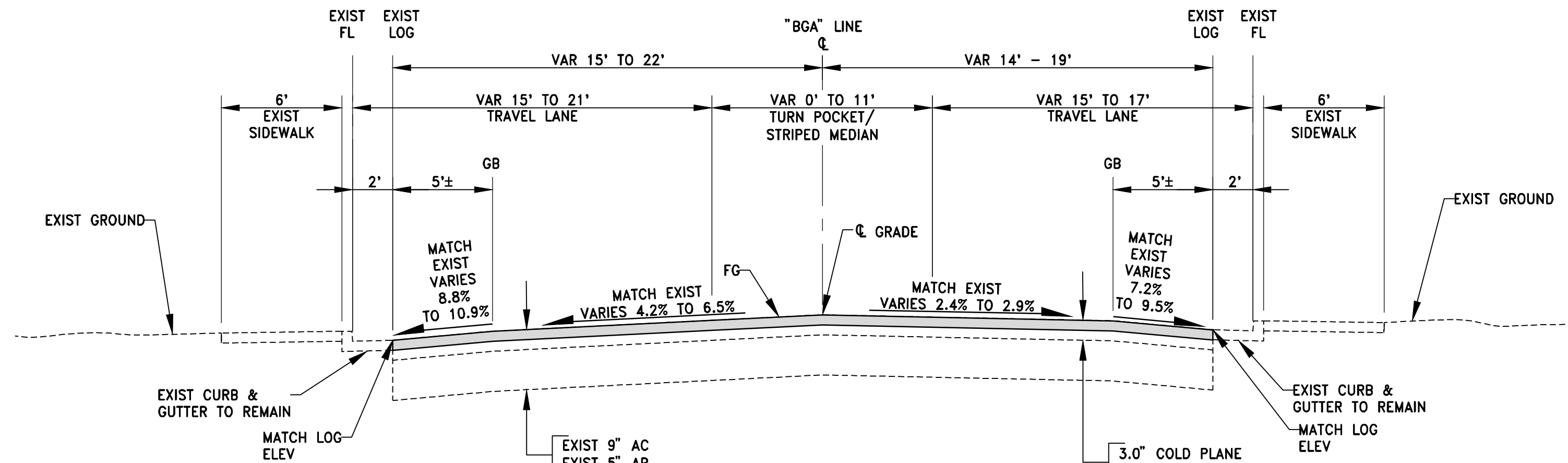
"BGA" STA. 119+60 TO STA. 121+60



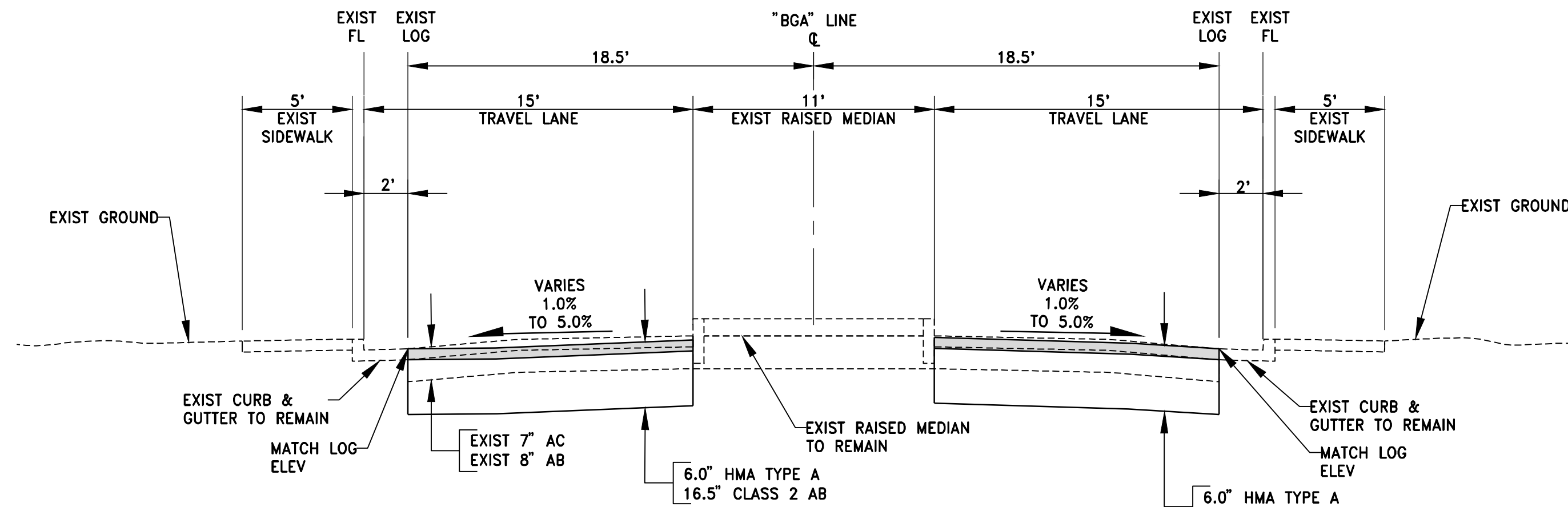
"BGA" STA. 135+88 TO STA. 138+30



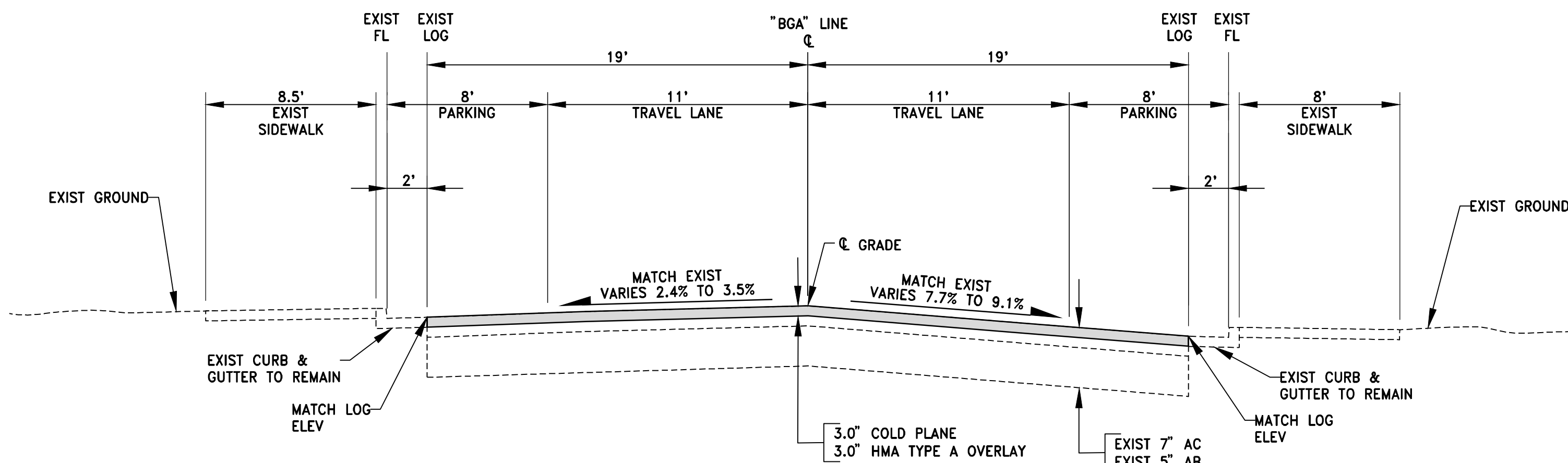
"BGA" STA. 121+60 TO STA. 135+42



"BGA" STA. 138+30 TO STA. 141+00



"BGA" STA. 135+42 TO STA. 135+88



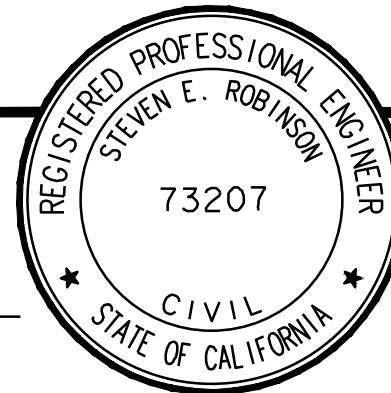
"BGA" STA. 141+00 TO STA. 146+50

BODEGA AVENUE

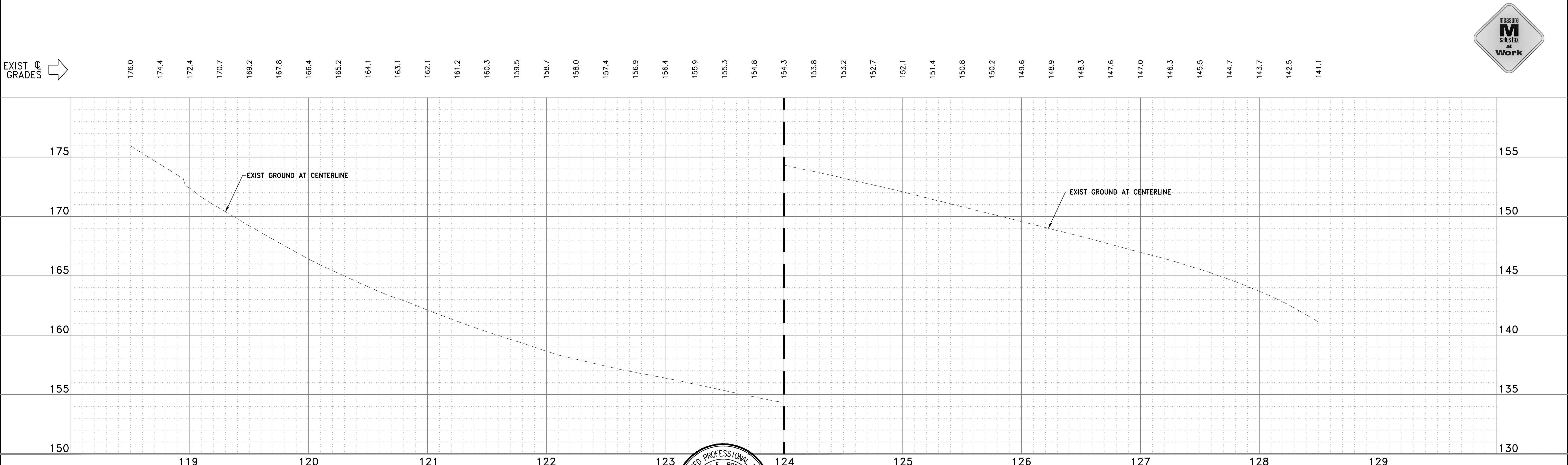
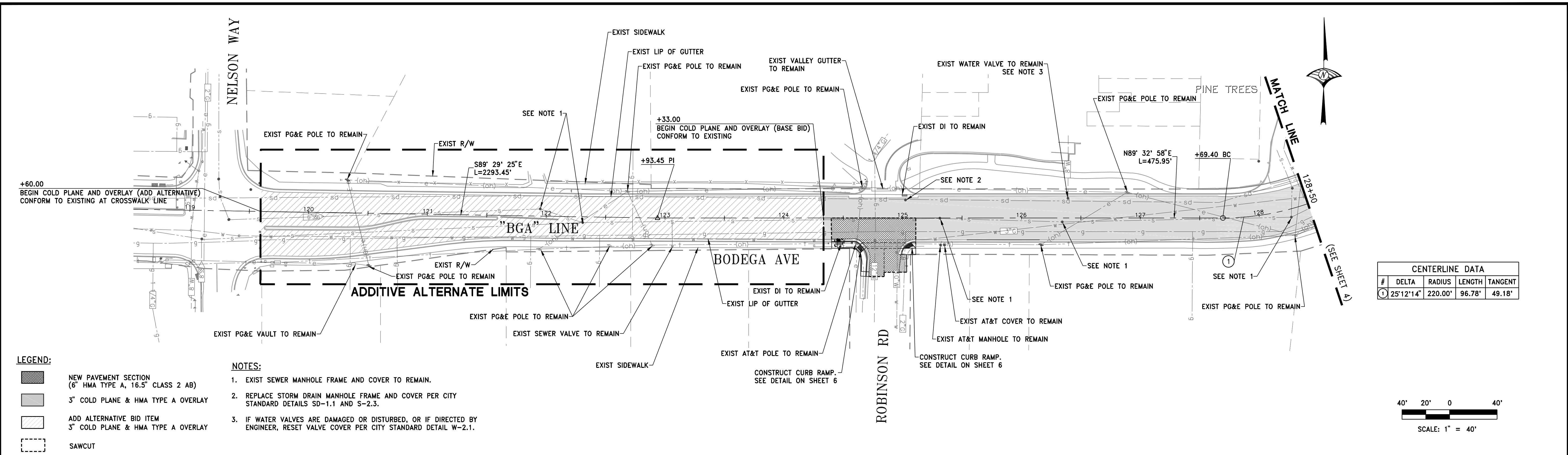
N.T.S.



Steven Robinson



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SACRAMENTO, CA 95816 FAX 916.341.7767

PUBLIC WORKS DEPARTMENT

CITY OF SEBASTOPOL

SEBASTOPOL CALIFORNIA

DATE: SEPTEMBER 2022
DRAWN BY: KA
DESIGNED BY: KA
CHECKED BY: SR
APPROVED BY: MS
SCALE: 1" = 40'

DATE: SEPTEMBER 30, 2022

Steven Robinson

REGISTERED PROFESSIONAL ENGINEER
STEVEN E. ROBINSON
73207
CIVIL
STATE OF CALIFORNIA

APPROVED BY:
DATE: OCTOBER 3, 2022

Mario Landeros

MARIO LANDEROS, CITY ENGINEER
CITY OF SEBASTOPOL

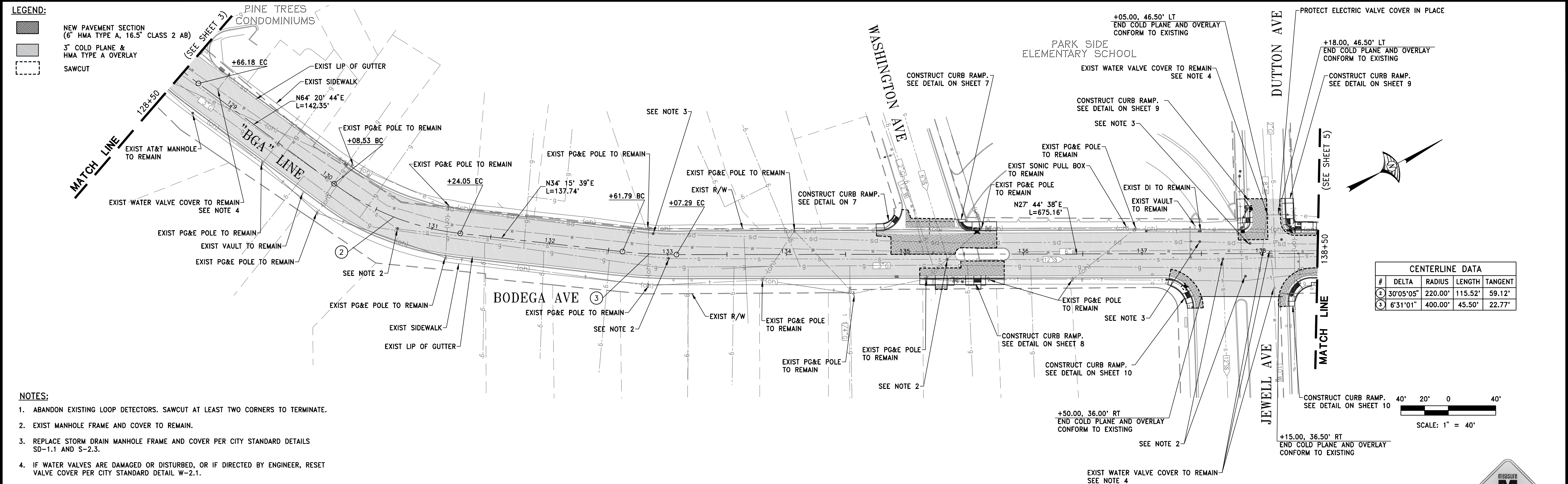
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**BODEGA AVENUE BIKE LANES
AND REHABILITATION PHASE 1
PLAN AND PROFILE**

SHEET
3
OF
16

LEGEND:

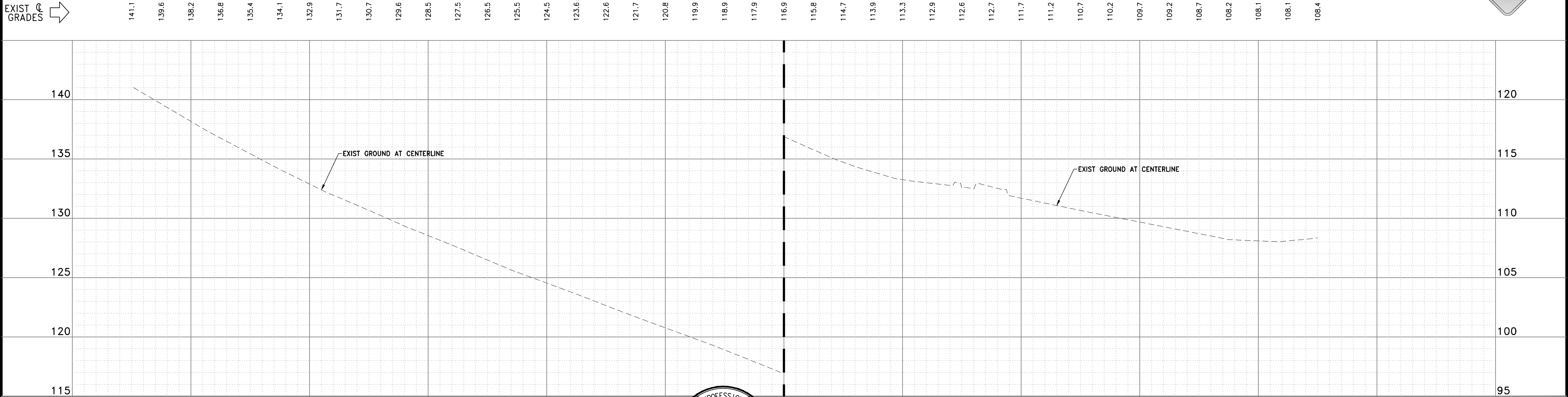
- NEW PAVEMENT SECTION
(6" HMA TYPE A, 16.5" CLASS 2 AB)
- 3" COLD PLANE &
HMA TYPE A OVERLAY
- SAWCUT



NOTES:

1. ABANDON EXISTING LOOP DETECTORS. SAWCUT AT LEAST TWO CORNERS TO TERMINATE.
2. EXIST MANHOLE FRAME AND COVER TO REMAIN.
3. REPLACE STORM DRAIN MANHOLE FRAME AND COVER PER CITY STANDARD DETAILS SD-1.1 AND S-2.3.
4. IF WATER VALVES ARE DAMAGED OR DISTURBED, OR IF DIRECTED BY ENGINEER, RESET VALVE COVER PER CITY STANDARD DETAIL W-2.1.

EXIST GRADES



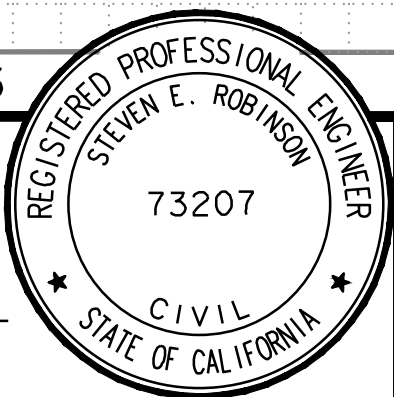
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Mario Landeros
MARIO LANDEROS, CITY ENGINEER
CITY OF SEBASTOPOL

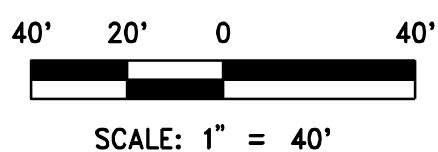
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**BODEGA AVENUE BIKE LANES
AND REHABILITATION PHASE 1
PLAN AND PROFILE**

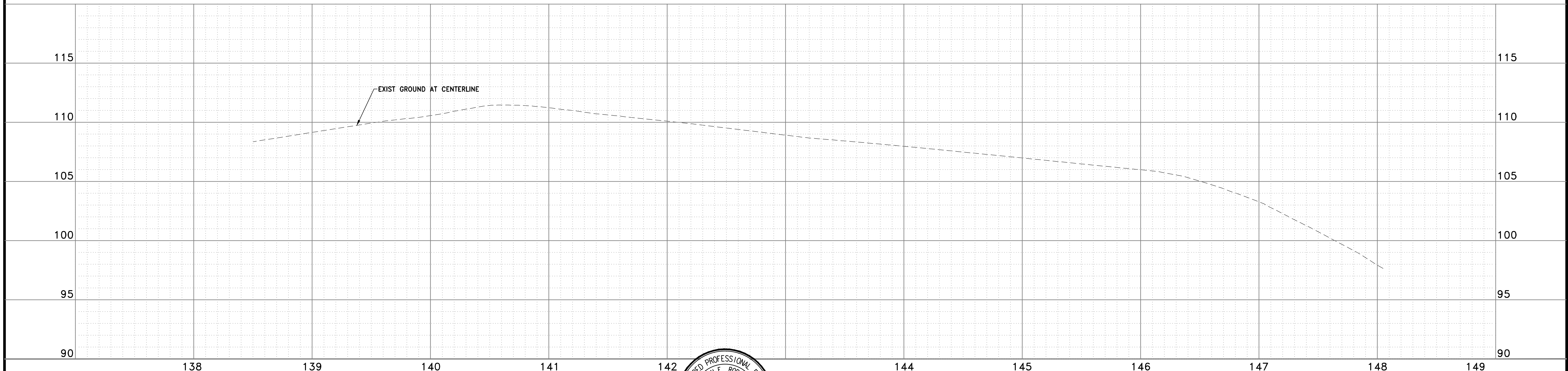
SHEET
4
OF
16

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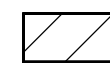
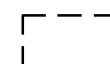
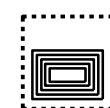
 NEW PAVEMENT SECTION
 (6" HMA TYPE A, 16.5" CLASS 2 AB)
 3" COLD PLANE &
 HMA TYPE A OVERLAY
 SAWCUT



- NOTES:**
1. CONCRETE GUTTER HAS BEEN OVERLAID BETWEEN FLORENCE AVENUE AND HIGH STREET. USE CAUTION WHEN PERFORMING COLD PLANING OPERATIONS IN THIS AREA.
 2. EXIST MANHOLE FRAME AND COVER TO REMAIN.
 3. REPLACE STORM DRAIN MANHOLE FRAME AND COVER PER CITY STANDARD DETAILS SD-1.1 AND S-2.3.
 4. IF WATER VALVES ARE DAMAGED OR DISTURBED, OR IF DIRECTED BY ENGINEER, RESET VALVE COVER PER CITY STANDARD DETAIL W-2.1.



LEGEND:

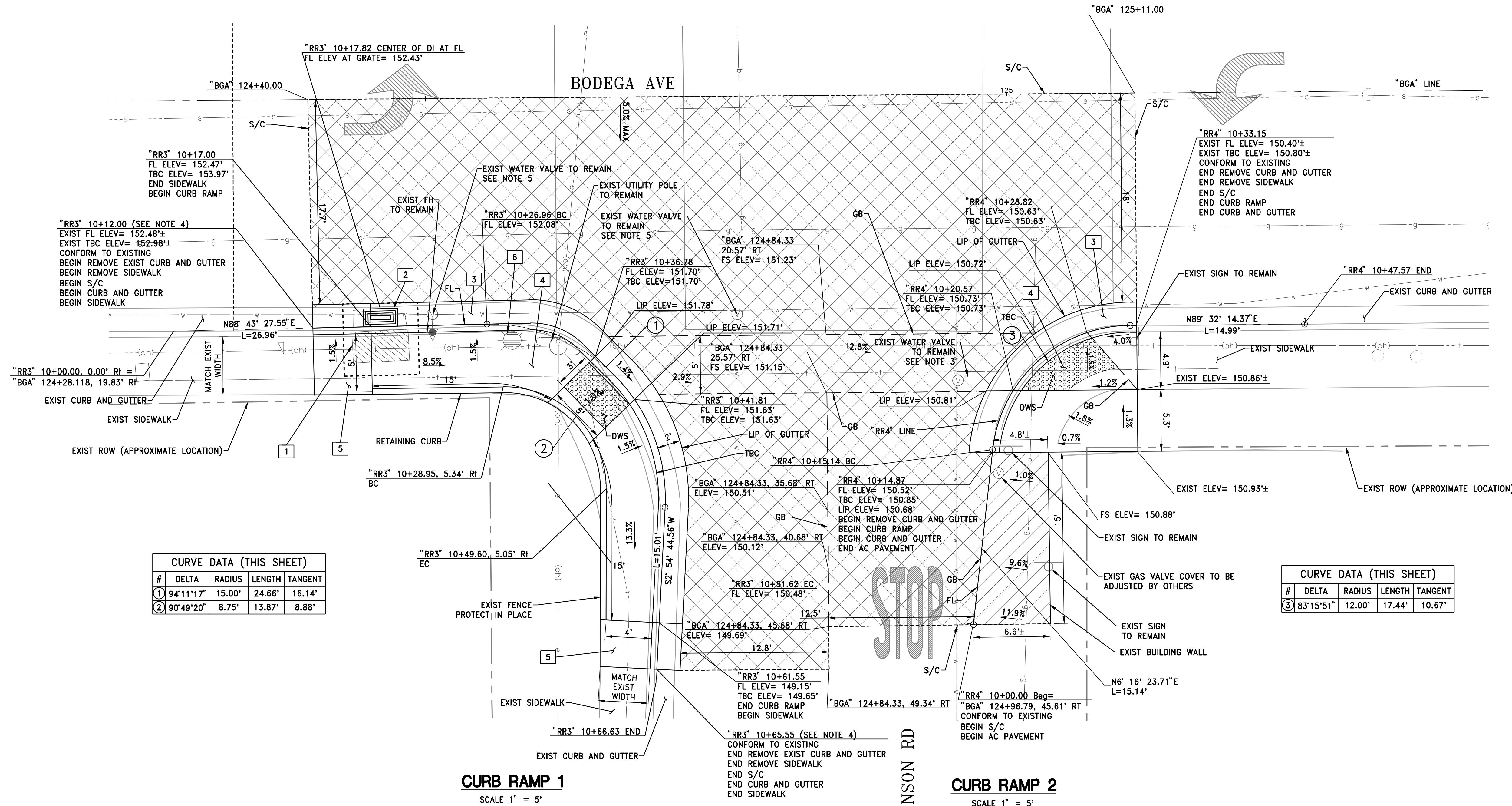
-  NEW PAVEMENT SECTION
(6" HMA TYPE A, 16.5" CLASS 2 AB)
-  NEW PAVEMENT SECTION
(4" HMA TYPE A, 6" CLASS 2 AB)
-  SAWCUT
-  G4 DI

CONSTRUCTION NOTES:

- 1 REMOVE DI
- 2 CONSTRUCT TYPE G4 DI PER STATE STANDARD PLAN RSP D73B. MATCH EXISTING INVERT ELEVATION. USE GRATE TYPE 18-9X. SEE DRAINAGE INLET TYPE G4 DETAIL ON SHEET 12
- 3 CONSTRUCT STANDARD CURB AND GUTTER PER CITY OF SEBASTOPOL STANDARD R-2.1
- 4 CONSTRUCT CURB RAMP. FOR DETAILS NOT SHOWN, SEE STATE STANDARD PLAN A88A
- 5 CONSTRUCT STANDARD SIDEWALK PER CITY OF SEBASTOPOL STANDARD R-2.1
- 6 REMOVE TRAFFIC SIGNAL

NOTES:

1. ALL PEDESTRIAN PUSH BUTTON HEIGHTS AT EACH RAMP LOCATION SHALL BE 42 INCHES MAX ABOVE FINISHED SURFACE OR PER CURRENT ADA AND CA MUTCD STANDARDS, AS DIRECTED BY THE CITY ENGINEER. ALL EXIST PUSH BUTTONS SHALL BE ADJUSTED TO STANDARD HEIGHT. SEE SHEET 12 FOR MORE DETAILS.
2. DO NOT CONSTRUCT GUTTER DEPRESSIONS AT INLETS.
3. DRAINAGE INLETS MAY BE PRECAST OR CAST IN PLACE.
4. STATION SHOWN IS APPROXIMATE. SAWCUT SIDEWALK AT NEAREST JOINT.
5. IF WATER VALVES ARE DAMAGED OR DISTURBED, OR IF DIRECTED BY ENGINEER, RESET VALVE COVER PER CITY STANDARD DETAIL W-2.1.



CURVE DATA (THIS SHEET)

#	DELTA	RADIUS	LENGTH	TANGENT
1	94°11'17"	15.00'	24.66'	16.14'
2	90°49'20"	8.75'	13.87'	8.88'

CURVE DATA (THIS SHEET)

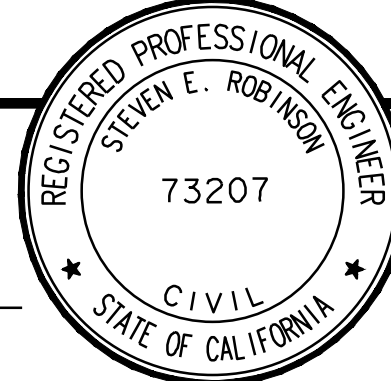
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3	83°15'51"	12.00'	17.44'	10.67'

CURB RAMP 1
SCALE 1" = 5'

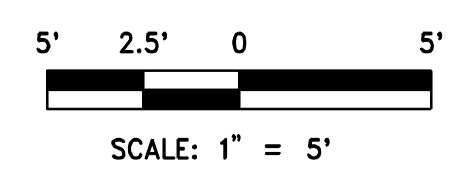
CURB RAMP 2
SCALE 1" = 5'



Steven E. Robinson



No.	REVISION	DATE	BY
1	BID SET REVISION	3/28/23	SR



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LEGEND:

	NEW PAVEMENT SECTION (6" HMA TYPE A, 16.5" CLASS 2 AB)
	SAWCUT
	G4 DI

CONSTRUCTION NOTES:

- 1 REMOVE DI
- 2 CONSTRUCT TYPE G4 DI PER STATE STANDARD PLAN RSP D73B. MATCH EXISTING INVERT ELEVATION. USE GRATE TYPE 18-9X. SEE DRAINAGE INLET TYPE G4 DETAIL ON SHEET 12
- 3 CONSTRUCT STANDARD CURB AND GUTTER PER CITY OF SEBASTOPOL STANDARD R-2.1
- 4 CONSTRUCT STANDARD SIDEWALK PER CITY OF SEBASTOPOL STANDARD R-2.1
- 5 CONSTRUCT CURB RAMP. FOR DETAILS NOT SHOWN, SEE STATE STANDARD PLAN A88A.
- 6 CONSTRUCT CROSS GUTTER PER CITY OF SEBASTOPOL STANDARD R-2.2

NOTES:

1. ALL PEDESTRIAN PUSH BUTTON HEIGHTS AT EACH RAMP LOCATION SHALL BE 42 INCHES MAX ABOVE FINISHED SURFACE OR PER CURRENT ADA AND CA MUTCD STANDARDS, AS DIRECTED BY THE CITY ENGINEER. ALL EXIST PUSH BUTTONS SHALL BE ADJUSTED TO STANDARD HEIGHT. SEE SHEET 12 FOR MORE DETAILS.
2. DO NOT CONSTRUCT GUTTER DEPRESSIONS AT INLETS.
3. DRAINAGE INLETS MAY BE PRECAST OR CAST IN PLACE.
4. STATION SHOWN IS APPROXIMATE. SAWCUT SIDEWALK AT NEAREST JOINT.
5. IF WATER VALVES ARE DAMAGED OR DISTURBED, OR IF DIRECTED BY ENGINEER, RESET VALVE COVER PER CITY STANDARD DETAIL W-2.1.

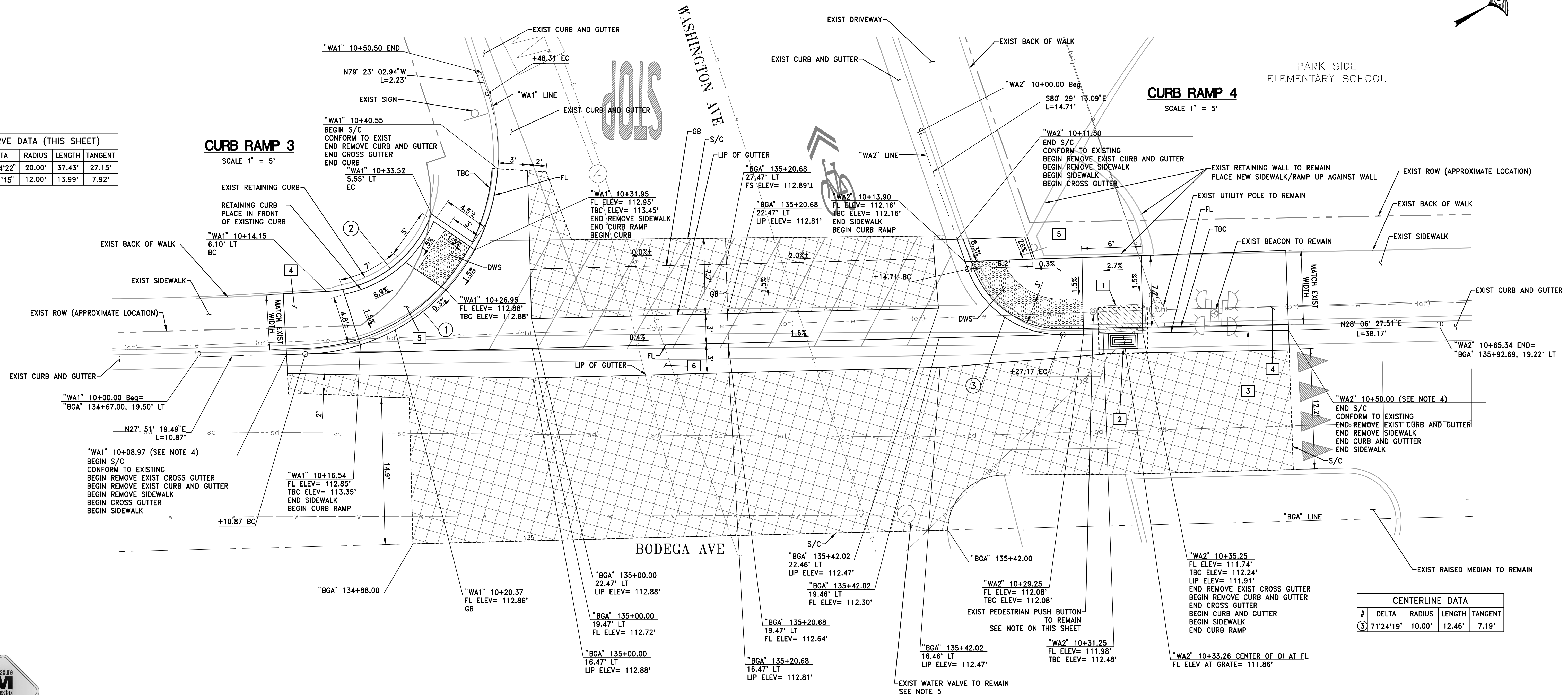
CURVE DATA (THIS SHEET)				
#	DELTA	RADIUS	LENGTH	TANGENT
①	107°14'22"	20.00'	37.43'	27.15'
②	66°49'15"	12.00'	13.99'	7.92'

CURB RAMP 3

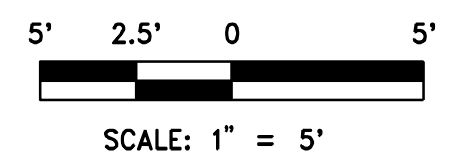
SCALE 1" = 5'

CURB RAMP 4

SCALE 1" = 5'

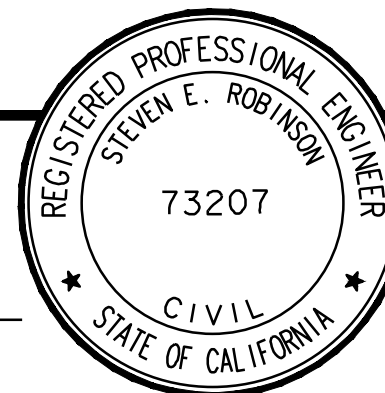


CENTERLINE DATA				
#	DELTA	RADIUS	LENGTH	TANGENT
③	71°24'19"	10.00'	12.46'	7.19'



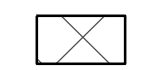
DATE: SEPTEMBER 30, 2022

Steven E. Robinson
STEVEN E. ROBINSON
73207
CIVIL
STATE OF CALIFORNIA



No.	REVISION	DATE	BY
1	BID SET REVISION	3/28/23	SR

LEGEND:

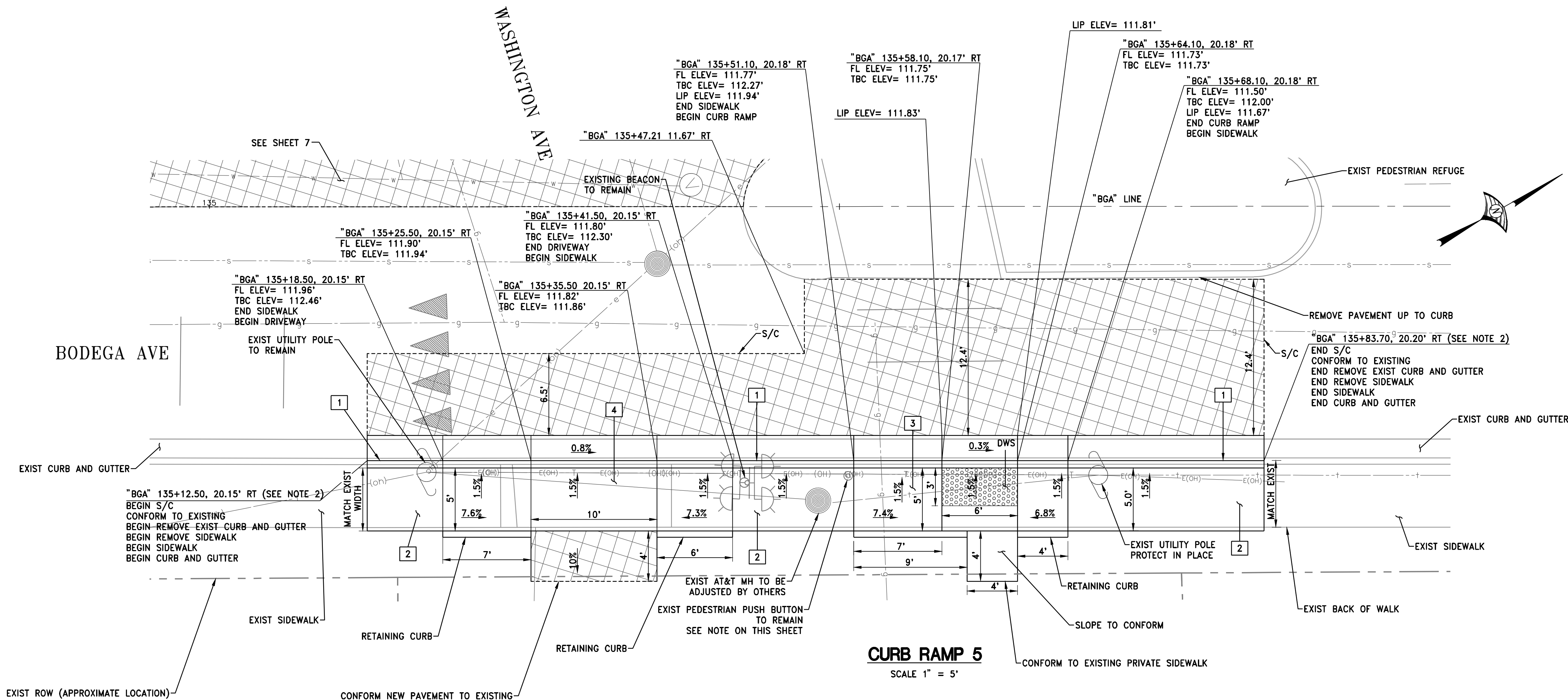
-  NEW PAVEMENT SECTION
(6" HMA TYPE A, 16.5" CLASS 2 AB)
-  SAWCUT

CONSTRUCTION NOTES:

1. CONSTRUCT STANDARD CURB AND GUTTER PER CITY OF SEBASTOPOL STANDARD R-2.1
2. CONSTRUCT STANDARD SIDEWALK PER CITY OF SEBASTOPOL STANDARD R-2.1
3. CONSTRUCT CURB RAMP. FOR DETAILS NOT SHOW, SEE STATE STANDARD PLAN A88A.
4. CONSTRUCT DRIVEWAY. SEE DRIVEWAY DETAIL ON SHEET 12

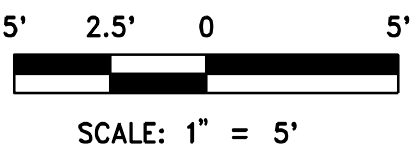
NOTES:

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2. STATION SHOWN IS APPROXIMATE. SAWCUT SIDEWALK AT NEAREST JOINT.



CURB RAMP 5

SCALE 1" = 5'



SCALE: 1" = 5'



DATE: SEPTEMBER 30, 2022

Steven Robinson



APPROVED BY:
DATE: OCTOBER 3, 2022

Mario Landeros
MARIO LANDEROS, CITY ENGINEER
CITY OF SEBASTOPOL

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LEGEND:

	NEW PAVEMENT SECTION (6" HMA TYPE A, 16.5" CLASS 2 AB)
	SAWCUT
	G4 DI
	GO DI

CONSTRUCTION NOTES:

- 1 REMOVE DI
- 2 CONSTRUCT TYPE GO DI PER STATE STANDARD PLAN RSP D73E. MATCH EXISTING INVERT ELEVATION. USE GRATE TYPE 24-12X. CONTRACTOR TO VERIFY EXISTING OUTLET PIPE LOCATION PRIOR TO CONSTRUCTION OF INLET. LOCATION OF INLET SHALL BE MOVED IF NECESSARY TO ALLOW CONNECTION TO EXISTING PIPE AS SHOWN ON DETAIL ON SHEET 12
- 3 CONSTRUCT STANDARD CURB AND GUTTER PER CITY OF SEBASTOPOL STANDARD R-2.1
- 4 CONSTRUCT STANDARD SIDEWALK PER CITY OF SEBASTOPOL STANDARD R-2.1
- 5 CONSTRUCT CURB RAMP. FOR DETAILS NOT SHOWN, SEE STATE STANDARD PLAN A88A.
- 6 CONSTRUCT TYPE G4 DI PER STATE STANDARD PLAN RSP D73B. MATCH EXISTING INVERT ELEVATION. USE GRATE TYPE 18-9X. SEE DRAINAGE INLET TYPE G4 DETAIL ON SHEET 12
- 7 CONSTRUCT CURB TRANSITION PER DETAIL THIS SHEET

NOTES:

1. ALL PEDESTRIAN PUSH BUTTON HEIGHTS AT EACH RAMP LOCATION SHALL BE 42 INCHES MAX ABOVE FINISHED SURFACE OR PER CURRENT ADA AND CA MUTCD STANDARDS, AS DIRECTED BY THE CITY ENGINEER. ALL EXIST PUSH BUTTONS SHALL BE ADJUSTED TO STANDARD HEIGHT. SEE SHEET 12 FOR MORE DETAILS.
2. STATION SHOWN IS APPROXIMATE. SAWCUT SIDEWALK AT NEAREST JOINT.
3. DO NOT CONSTRUCT GUTTER DEPRESSIONS AT INLETS.
4. DRAINAGE INLETS MAY BE PRECAST OR CAST IN PLACE.

PARK SIDE
ELEMENTARY SCHOOL

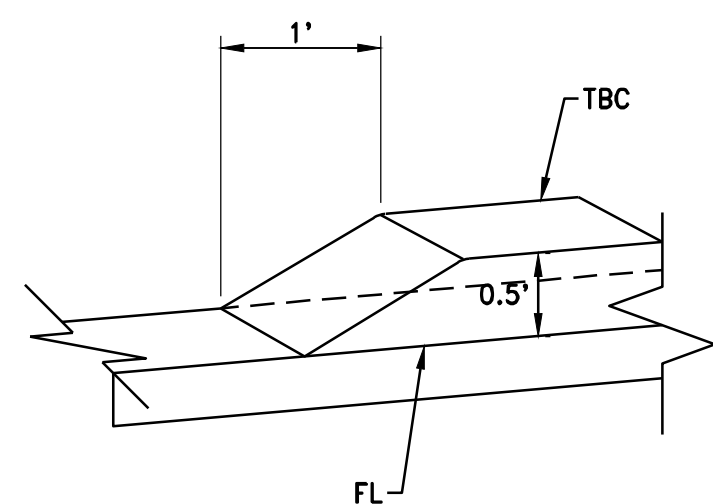
CURVE DATA (THIS SHEET)				
#	DELTA	RADIUS	LENGTH	TANGENT
1	90°55'10"	7.00'	11.11'	7.11'

CURVE DATA (THIS SHEET)				
#	DELTA	RADIUS	LENGTH	TANGENT
2	87°50'48"	8.00'	12.27'	7.70'

BODEGA AVE

CURB RAMP 6

SCALE 1" = 5'



CURB TRANSITION DETAIL

N.T.S.

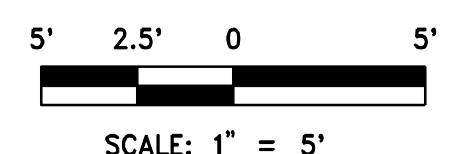
DUTTON AVE

CURB RAMP 7

SCALE 1" = 5'

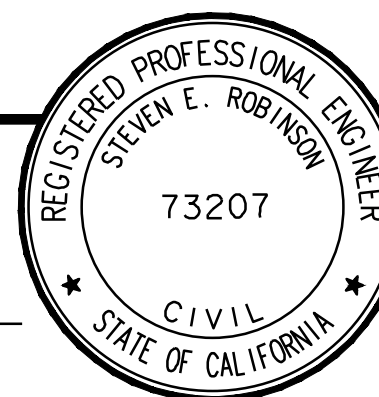
SECTION A-A

N.T.S.



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Steven E. Robinson
STEVEN E. ROBINSON
73207
CIVIL
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LEGEND:

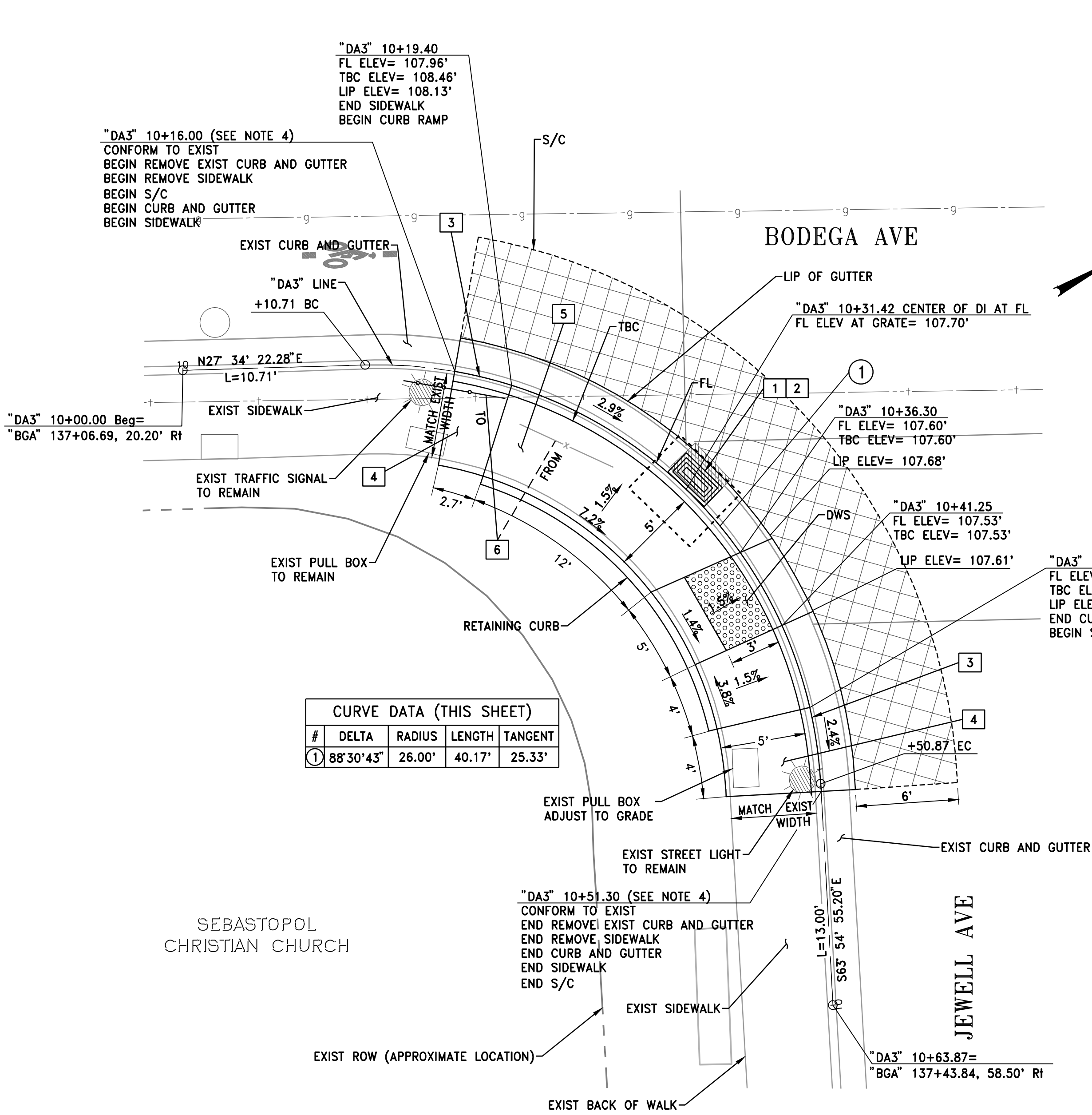
-  NEW PAVEMENT SECTION
(6" HMA TYPE A, 16.5" CLASS 2 AB)
-  SAWCUT
-  G4 DI

CONSTRUCTION NOTES:

- 1 REMOVE DI
- 2 CONSTRUCT TYPE G4 DI PER STATE STANDARD PLAN RSP D73B. MATCH EXISTING INVERT ELEVATION. USE GRATE TYPE 18-9X. SEE DRAINAGE INLET TYPE G4 DETAIL ON SHEET 12.
- 3 CONSTRUCT STANDARD CURB AND GUTTER PER CITY OF SEBASTOPOL STANDARD R-2.1
- 4 CONSTRUCT STANDARD SIDEWALK PER CITY OF SEBASTOPOL STANDARD R-2.1
- 5 CONSTRUCT CURB RAMP. FOR DETAILS NOT SHOWN, SEE STATE STANDARD PLAN A88A.
- 6 RELOCATE EXISTING BARRICADE.

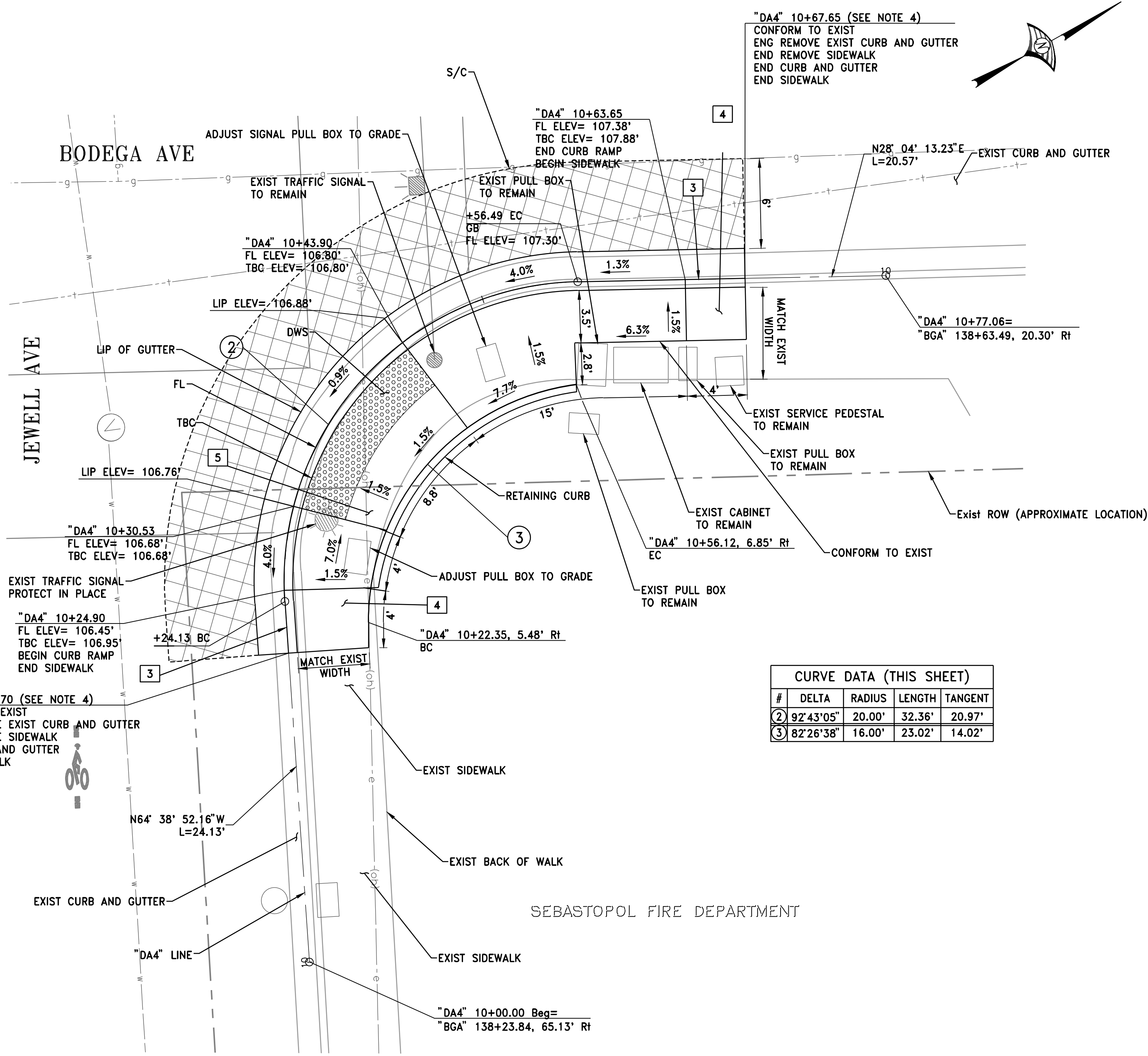
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2. DO NOT CONSTRUCT GUTTER DEPRESSIONS AT INLETS.
3. DRAINAGE INLETS MAY BE PRECAST OR CAST IN PLACE.
4. STATION SHOWN IS APPROXIMATE. SAWCUT SIDEWALK TO NEAREST JOINT.



CURB RAMP 8

SCALE 1" = 5'



CURB RAMP 9

SCALE 1" = 5'



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Mario Landeros
MARIO LANDEROS, CITY ENGINEER
CITY OF SEBASTOPOL

No.	REVISION	DATE	BY
1	BID SET REVISION	3/28/23	SR

NEW PAVEMENT SECTION
(6" HMA TYPE A, 16.5" CLASS 2 AB)

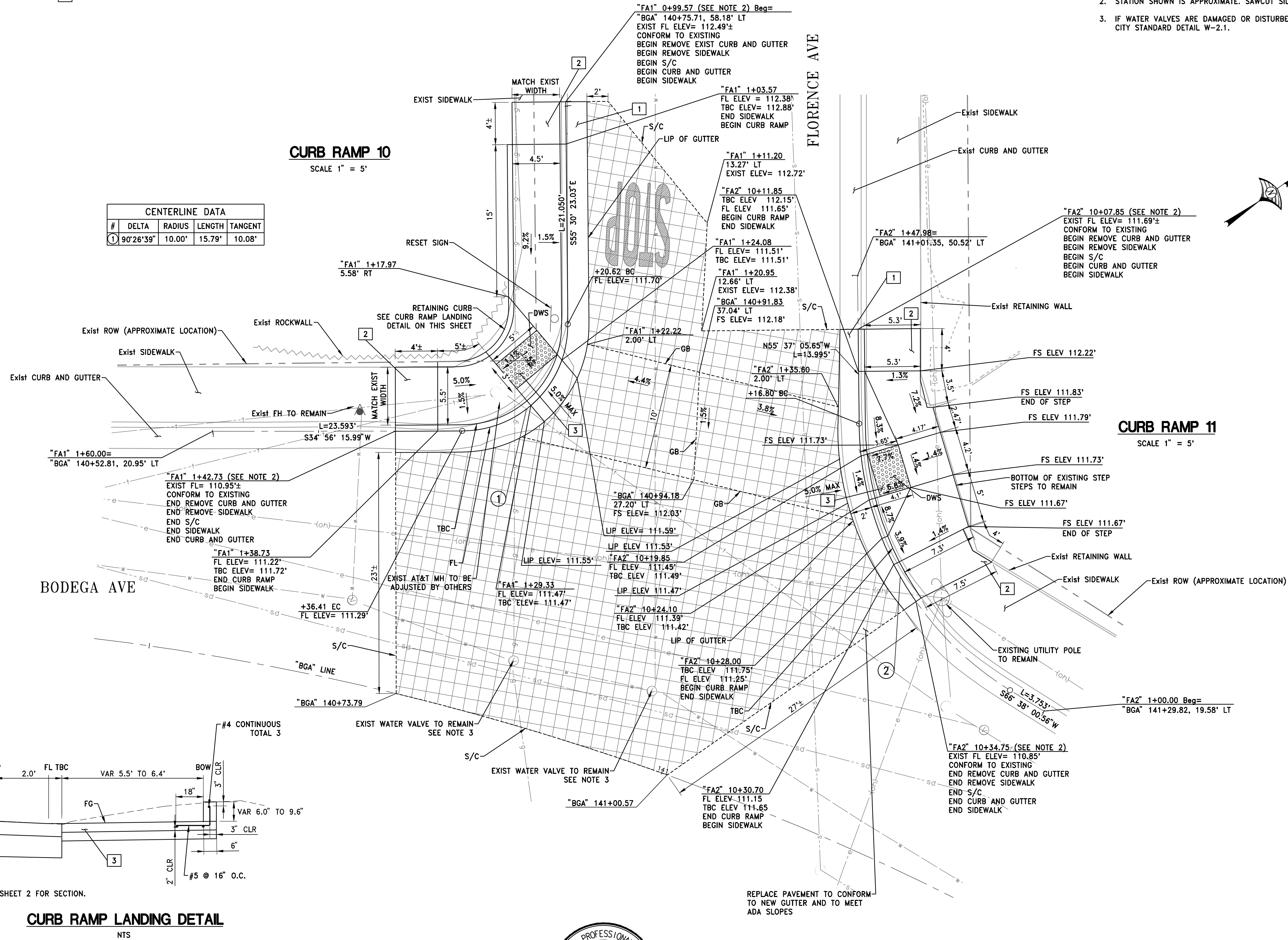
SAWCUT

CONSTRUCTION NOTES:

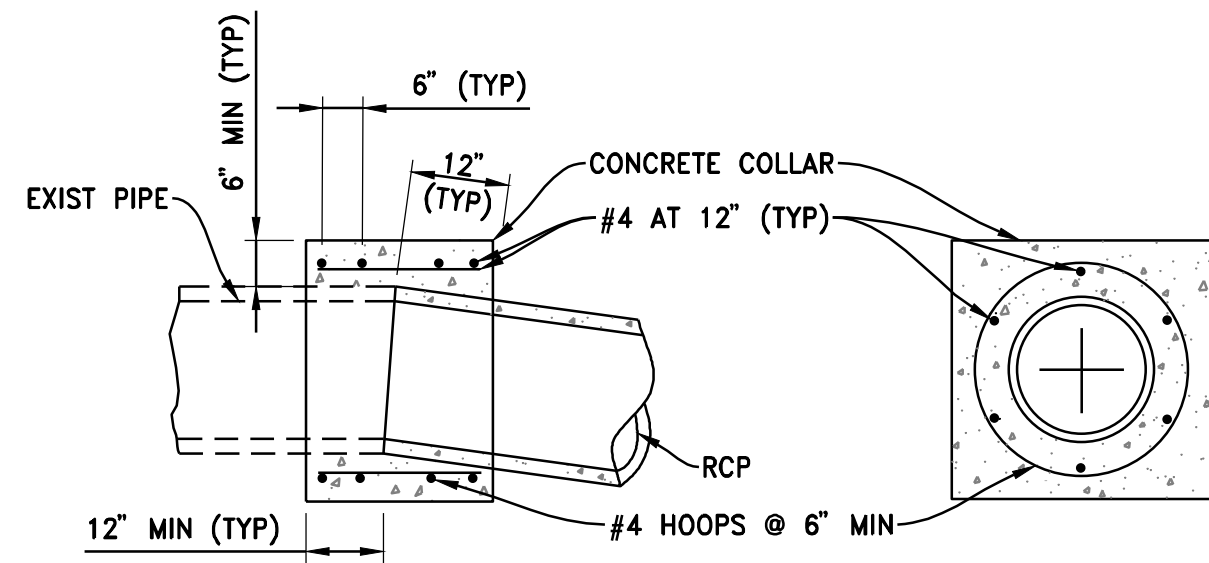
- | | |
|---|---|
| 1 | CONSTRUCT STANDARD CURB AND GUTTER PER CITY OF SEBASTOPOL STANDARD R-2.1 |
| 2 | CONSTRUCT STANDARD SIDEWALK PER CITY OF SEBASTOPOL STANDARD R-2.1 |
| 3 | CONSTRUCT CURB RAMP. FOR DETAILS NOT SHOWN, SEE STATE STANDARD PLAN A88A. |

NOTES:

1. ALL PEDESTRIAN PUSH BUTTON HEIGHTS AT EACH RAMP LOCATION SHALL BE 42 INCHES MAX ABOVE FINISHED SURFACE OR PER CURRENT ADA AND CA MUTCD STANDARDS, AS DIRECTED BY THE CITY ENGINEER. ALL EXIST PUSH BUTTONS SHALL BE ADJUSTED TO STANDARD HEIGHT. SEE SHEET 12 FOR MORE DETAILS.
2. STATION SHOWN IS APPROXIMATE. SAWCUT SIDEWALK AT NEAREST JOINT.
3. IF WATER VALVES ARE DAMAGED OR DISTURBED, OR IF DIRECTED BY ENGINEER, RESET VALVE COVER PER CITY STANDARD DETAIL W-2.1.



CENTERLINE DATA				
#	DELTA	RADIUS	LENGTH	TANGENT
2	57°44'54"	30.00'	30.24'	16.54'

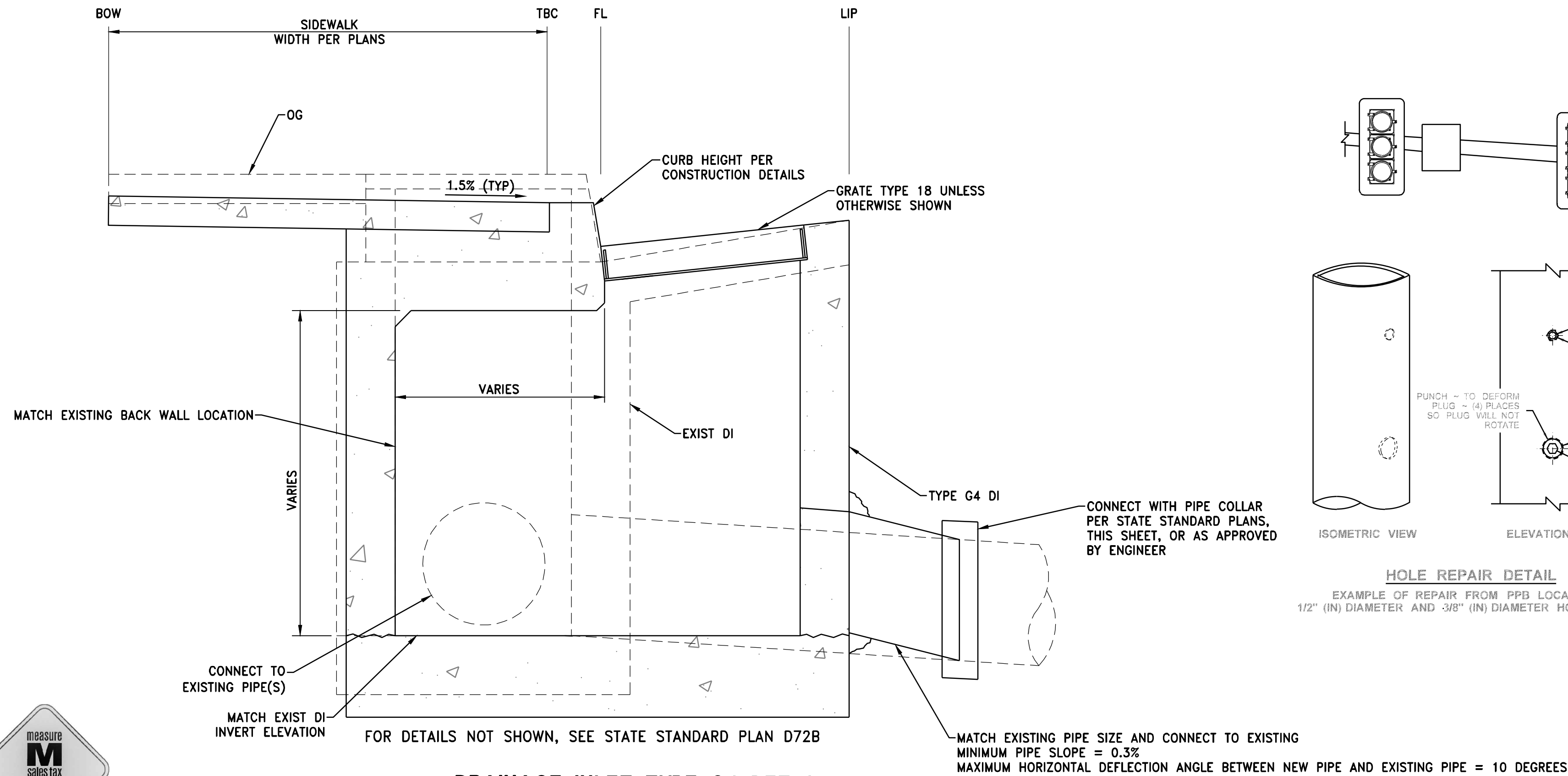


NOTES (CONCRETE COLLAR):

1. PIPE EXTENSION SHALL BE POSITIONED TO PROVIDE FOR A SMOOTH TRANSITION AT THE PIPE FLOWLINE.
2. INTERIOR FORM SHALL BE PLACED TO PREVENT CONCRETE INTRUSION INTO PIPE INTERIOR.
3. REINFORCEMENT SHALL BE PLACED 1.5" CLEAR FROM OUTSIDE DIAMETER OF PIPE.
4. COLLAR TO BE USED FOR JOINING NEW PIPE TO EXISTING PIPE AND PIPES OF DIFFERENT SIZES AS SHOWN ON THE PLANS.

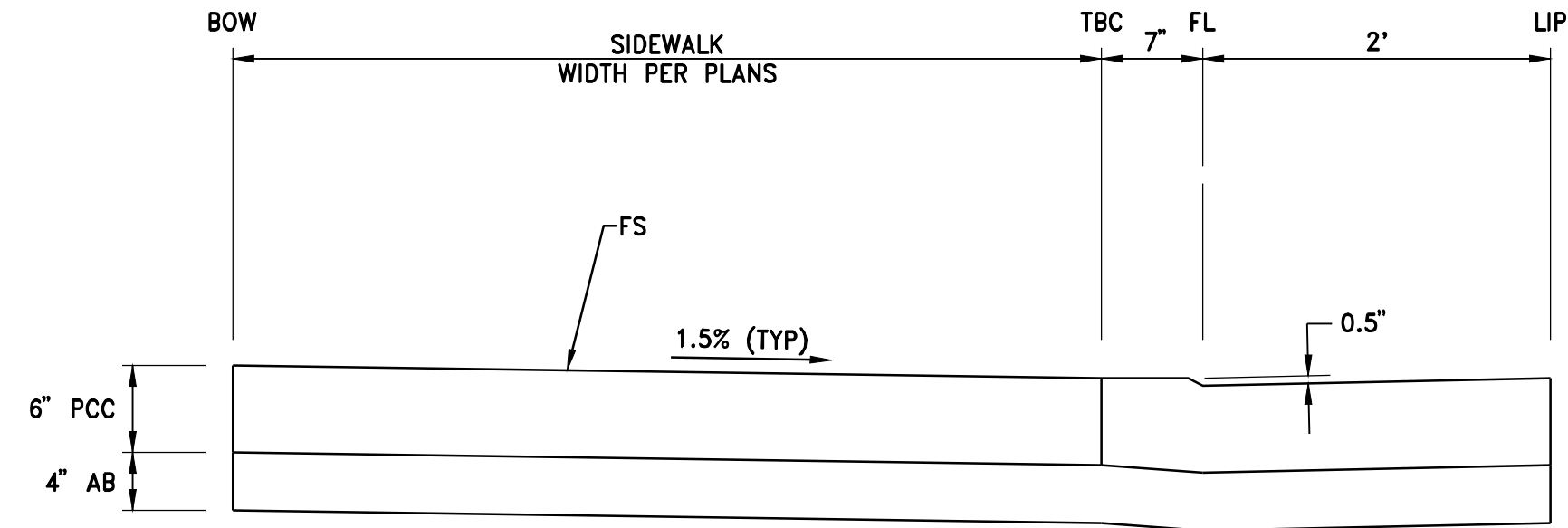
CONCRETE COLLAR DETAIL

NTS



DRAINAGE INLET TYPE G4 DETAIL

NTS



NOTE: FOR DETAILS NOT SHOWN, SEE CITY OF SEBASTOPOL STANDARD NO. R-4.2

DRIVEWAY DETAIL

NTS

REPAIR PROCEDURE - BOLT HOLE SIZE 1/2" (IN) DIAMETER OR LESS ~
PIPE TRADE SIZE 1/2" (IN) OR LESS

FOR UNC OR UNF THREADS:

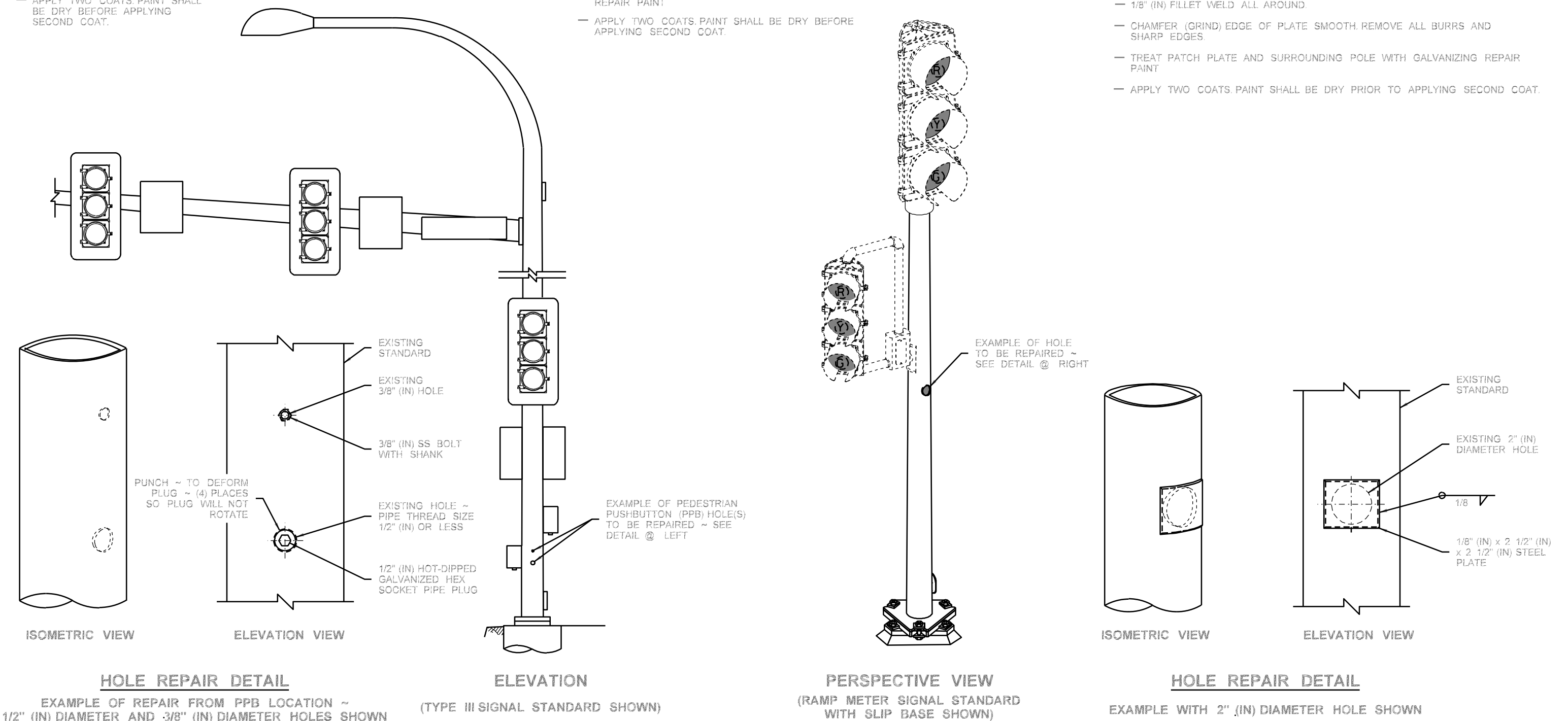
- APPLY SILICONE CAULK TO THREADS OF SS BOLT WITH SHANK.
- TIGHTEN SS BOLT UNTIL SHANK IS TIGHT AGAINST STANDARD.
- CUT OFF SS BOLT EVEN WITH STANDARD.
- FILE SS BOLT TO MATCH CONTOUR OF STANDARD.
- TREAT SS BOLT AND SURROUNDING POLE WITH GALVANIZING REPAIR PAINT.
- APPLY TWO COATS PAINT SHALL BE DRY BEFORE APPLYING SECOND COAT.

FOR NATIONAL PIPE THREADS:

- APPLY SILICONE CAULK TO THREADS OF HOT-DIPPED GALVANIZED HEX SOCKET PIPE PLUG.
- TIGHTEN PLUG UNTIL FLUSH WITH STANDARD.
- FILE PLUG TO MATCH CONTOUR OF STANDARD.
- FILL HEX SOCKET WITH PAINTABLE SILICONE CAULK.
- TREAT PLUG AND SURROUNDING POLE WITH GALVANIZING REPAIR PAINT.
- APPLY TWO COATS PAINT SHALL BE DRY BEFORE APPLYING SECOND COAT.

REPAIR PROCEDURE - MAXIMUM HOLE SIZE 3" (IN) DIAMETER OR LESS

- MAXIMUM HOLE SIZE 3" (IN) OR LESS IN DIAMETER.
- 1/8" (IN) STEEL PLATE - TYPE ASTM A - 36 ELECTRODE TYPE XX-70.
- THE PLATE SHALL BE 1/2" (IN) LARGER THAN THE DIAMETER OF THE HOLE TO BE REPAIRED (1/4" (IN) OVERLAP ALL SIDES).
- TACK WELD PLATE TO POLE.
- SHAPE PLATE TO MATCH TAPER AND CURVE OF POLE.
- 1/8" (IN) FILLET WELD ALL AROUND.
- CHAMFER (GRIND) EDGE OF PLATE SMOOTH REMOVE ALL BURRS AND SHARP EDGES.
- TREAT PATCH PLATE AND SURROUNDING POLE WITH GALVANIZING REPAIR PAINT.
- APPLY TWO COATS PAINT SHALL BE DRY PRIOR TO APPLYING SECOND COAT.



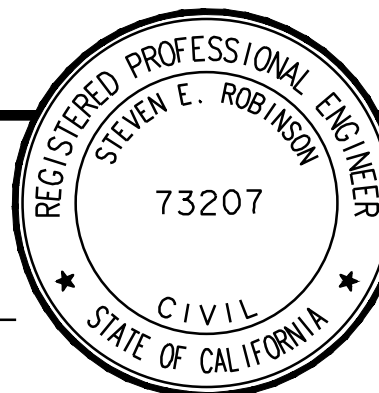
TRAFFIC SIGNAL POLE MODIFICATION DETAIL

NTS



DATE: SEPTEMBER 30, 2022

Steven E. Robinson



APPROVED BY:
DATE: OCTOBER 3, 2022

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LEGEND:

- EXISTING ROADSIDE SIGN
PROPOSED ROADSIDE SIGN
ROADSIDE SIGN TO REMAIN
REMOVE ROADSIDE SIGN
RESET ROADSIDE SIGN
CALIFORNIA SIGN CODE
LIMIT LINE PAVEMENT MARKING PER STATE STANDARD PLAN A24E
BASIC CROSSWALK PAVEMENT MARKING PER STATE STANDARD PLAN A24F
WHITE CONTINENTAL CROSSWALK PAVEMENT MARKING PER STATE STANDARD PLAN A24F
PAINT CURB RED FOR FIRE LANE
YELLOW CONTINENTAL CROSSWALK PAVEMENT MARKING PER STATE STANDARD PLAN A24F
SIGN NUMBER. SEE SHEET 15 FOR SIGN DETAIL.
PAVEMENT DELINEATION NUMBER PER STATE STANDARD PLAN
ADD ALTERNATIVE PAVEMENT DELINEATION NUMBER PER STATE STANDARD PLAN
TYPE IV ARROW PAVEMENT MARKING PER STATE STANDARD PLAN A24A
BIKE LANE SYMBOL WITH PERSON, AND ARROW PAVEMENT MARKING PER STATE STANDARD PLANS A24A AND A24C
SHARED ROADWAY BICYCLE PAVEMENT MARKING PER STATE STANDARD PLAN A24C
YIELD LINE PAVEMENT MARKING PER STATE STANDARD PLAN A24E
SLOW PAVEMENT MARKING WORD PER STATE STANDARD PLANS A24D MARKING SHALL BE YELLOW
SCHOOL PAVEMENT MARKING WORD PER STATE STANDARD PLANS A24D MARKING SHALL BE YELLOW
XING PAVEMENT MARKING WORD PER STATE STANDARD PLANS A24D MARKING SHALL BE YELLOW
STOP PAVEMENT MARKING WORD PER STATE STANDARD PLANS A24D

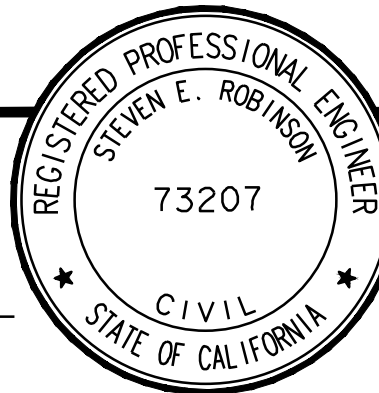
NOTES:

- ALL LANE WIDTHS MEASURED TO FL.
- ALL SIGN CODES SHOWN ARE FEDERAL SIGN CODES UNLESS OTHERWISE DESIGNATED AS CALIFORNIA SIGN CODES.
- NEW SIGN LOCATIONS SHOWN ARE APPROXIMATE. EXACT LOCATION TO BE DETERMINED BY THE ENGINEER.
- PLACE BLUE REFLECTIVE PAVEMENT MARKERS AT FIRE HYDRANTS. BLUE REFLECTIVE RAISED PAVEMENT MARKERS SHALL BE PLACED 6 INCHES FROM THE STREET CENTERLINE STRIPE, OR AT THE APPROXIMATE CENTERLINE OF THE STREET WHERE THERE IS NO CENTERLINE STRIPE, ON THE SIDE NEAREST THE FIRE HYDRANT. WHEN LOCATED NEAR THE CORNER OF AN INTERSECTION, THIS APPLIES TO BOTH STREETS.
- "A" PRECEDING PAVEMENT DELINEATION NUMBER INDICATES ADD ALTERNATIVE ITEM.



DATE: SEPTEMBER 30, 2022

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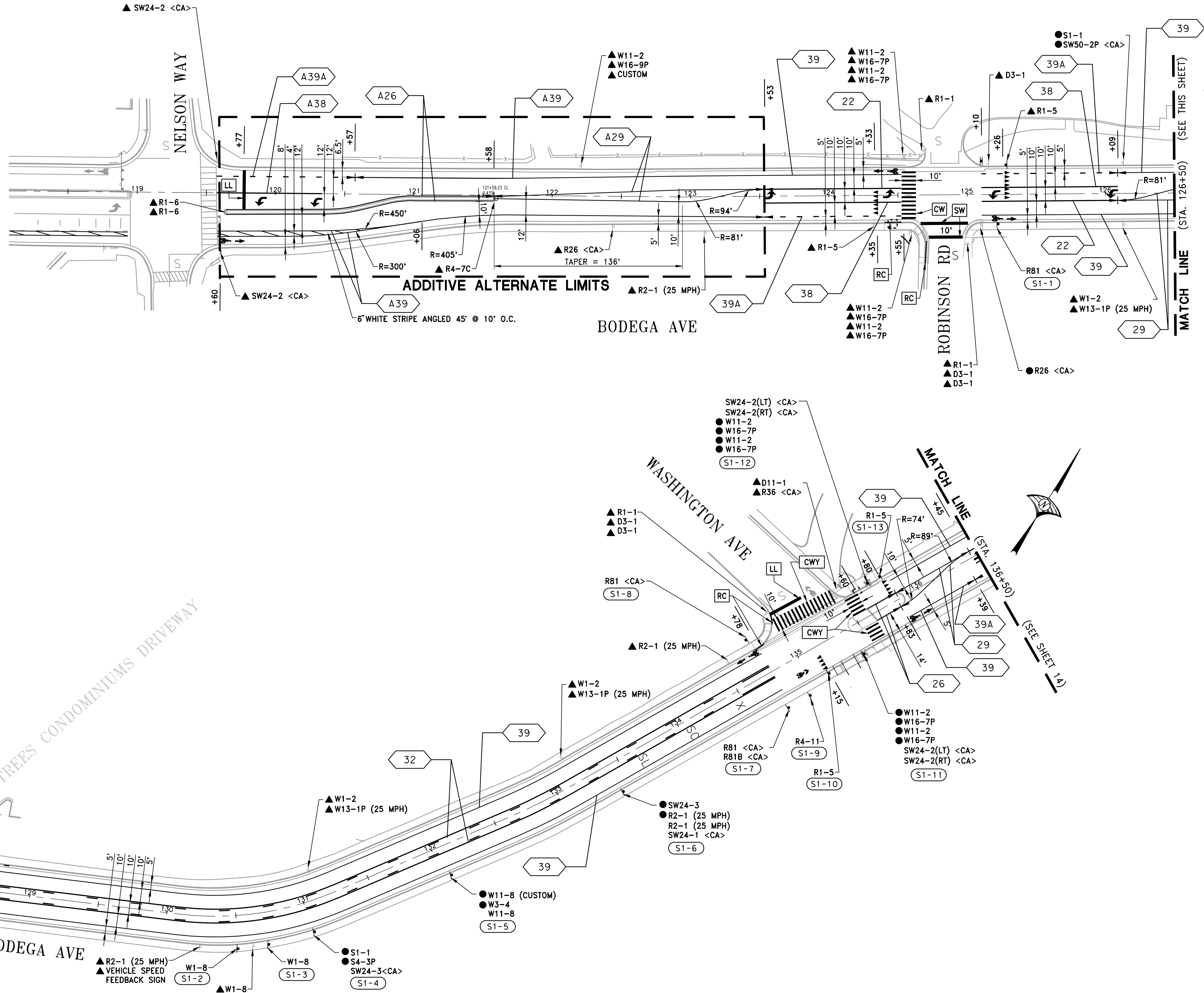


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**BODEGA AVENUE BIKE LANES
AND REHABILITATION PHASE 1
SIGNING AND STRIPING**



LEGEND:

- EXISTING ROADSIDE SIGN - ONE POST
PROPOSED ROADSIDE SIGN - ONE POST
ROADSIDE SIGN TO REMAIN
REMOVE SIGN
RESET SIGN

<CA> CALIFORNIA SIGN CODE

LL LIMIT LINE PAVEMENT MARKING PER STATE STANDARD PLAN A24E

SW BASIC CROSSWALK PAVEMENT MARKING PER STATE STANDARD PLAN A24F

CW WHITE CONTINENTAL CROSSWALK PAVEMENT MARKING PER STATE STANDARD PLAN A24F

RC PAINT CURB RED FOR FIRE LANE

CWY YELLOW CONTINENTAL CROSSWALK PAVEMENT MARKING PER STATE STANDARD PLAN A24F

SX-X SIGN NUMBER. SEE SHEET 15 FOR SIGN DETAIL.

XX PAVEMENT DELINEATION NUMBER PER STATE STANDARD PLAN

- TYPE IV ARROW PAVEMENT MARKING PER STATE STANDARD PLAN A24A
TYPE VII ARROW PAVEMENT MARKING PER STATE STANDARD PLAN A24A
BIKE LANE SYMBOL WITH PERSON, AND ARROW PAVEMENT MARKING PER STATE STANDARD PLANS A24A AND A24D
BIKE LOOP DETECTOR SYMBOL PER STATE STANDARD PLANS A24C
SHARED ROADWAY BICYCLE PAVEMENT MARKING PER STATE STANDARD PLANS A24C
YIELD PAVEMENT MARKING PER STATE STANDARD PLANS A24A AND A24D

SL SLOW PAVEMENT MARKING WORDS PER STATE STANDARD PLANS A24D MARKING SHALL BE YELLOW

SC SCHOOL PAVEMENT MARKING WORDS PER STATE STANDARD PLANS A24D MARKING SHALL BE YELLOW

X XING PAVEMENT MARKING WORDS PER STATE STANDARD PLANS A24D MARKING SHALL BE YELLOW

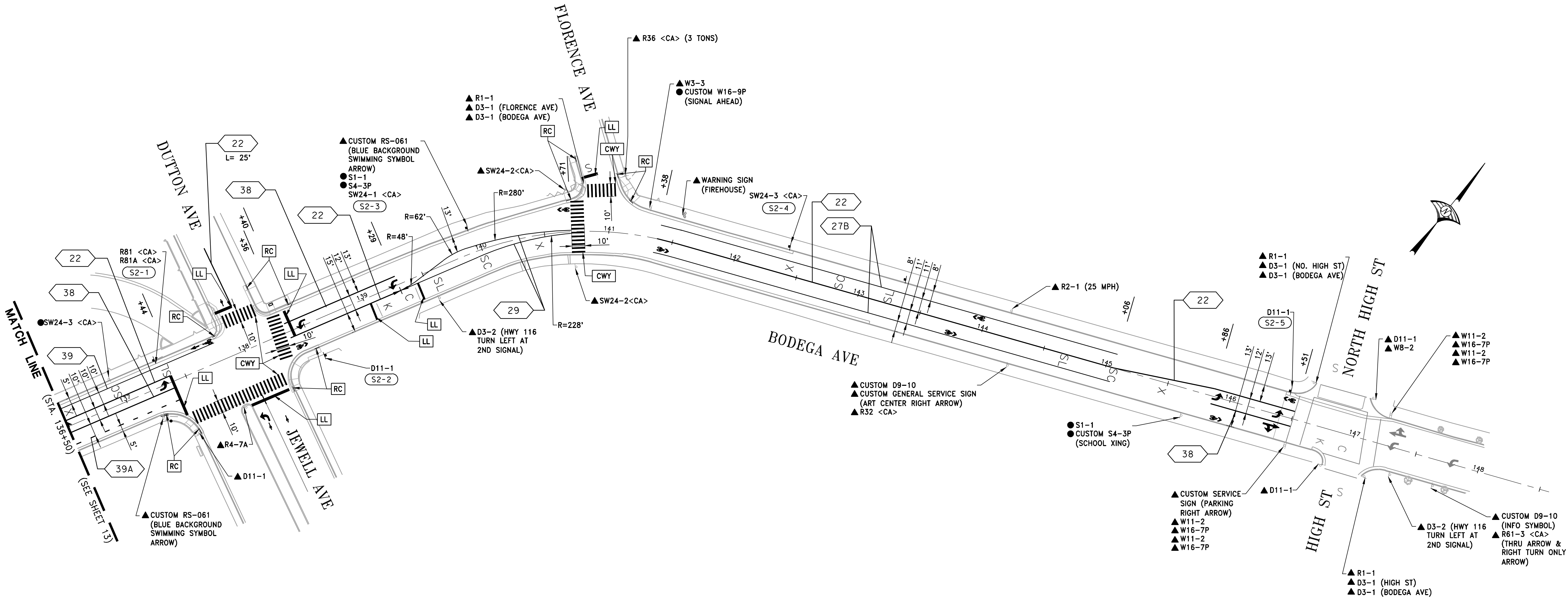
S STOP PAVEMENT MARKING WORDS PER STATE STANDARD PLANS A24D

K KEEP PAVEMENT MARKING WORDS PER STATE STANDARD PLANS A24E

C CLEAR PAVEMENT MARKING WORDS PER STATE STANDARD PLANS A24E

NOTES:

1. ALL LANE WIDTHS MEASURED TO FL.
2. ALL SIGN CODES SHOWN ARE FEDERAL SIGN CODES UNLESS OTHERWISE DESIGNATED AS CALIFORNIA SIGN CODES.
3. PLACE BLUE REFLECTIVE PAVEMENT MARKERS AT FIRE HYDRANTS. BLUE REFLECTIVE RAISED PAVEMENT MARKERS SHALL BE PLACED 6 INCHES FROM THE STREET CENTERLINE STRIPE, OR AT THE APPROXIMATE CENTERLINE OF THE STREET WHERE THERE IS NO CENTERLINE STRIPE, ON THE SIDE NEAREST THE FIRE HYDRANT. WHEN LOCATED NEAR THE CORNER OF AN INTERSECTION, THIS APPLIES TO BOTH STREETS.



DATE: SEPTEMBER 30, 2022

Steven Robinson



APPROVED BY:
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**BODEGA AVENUE BIKE LANES
AND REHABILITATION PHASE 1
SIGNING AND STRIPING**

NOTES:

1. EXACT LOCATION AND POSITION OF ROADSIDE SIGNS TO BE DETERMINED BY THE ENGINEER.
2. POST LENGTHS GIVEN ARE APPROXIMATE.
3. "C" DIM = MINIMUM VERTICAL CLEARANCE BETWEEN FINISHED GRADE AND BOTTOM OF SIGN PANEL.
4. ALL SIGN DESIGNATIONS SHOWN ARE FEDERAL UNLESS OTHERWISE INDICATED AS A CALIFORNIA <CA> SIGN DESIGNATION.
5. REMOVE AND DISPOSE THE EXISTING SIGN PANEL(S).
6. SIGN PANEL TO BE MOUNTED ON EXISTING SIGN POST.
7. SIGN PANELS SHALL BE INSTALLED BACK TO BACK.

ROADSIDE SIGN QUANTITIES

SHEET NUMBER	SIGN NUMBER (SHT-No.)	SIGN DESIGNATION	SIGN PANEL SIZE	"C" DIM IN FEET	POST SIZE AND LENGTH	ROADSIDE SIGN	INSTALL SIGN (SSBM)	REMARKS
					METAL POST	ONE POST		
			INCHES		2" PIPE	EACH	EACH	
S-1	S1-1	R81 <CA>	24 x 18	7	11'	1	-	-
	S1-2	W1-8	18 x 24	7	11'	1	-	-
	S1-3	W1-8	18 x 24	7	11'	1	-	-
	S1-4	SW24-3 <CA>	36 x 48	7	-	1	-	SEE NOTE 6
	S1-5	W11-8	30 x 30	7	-	1	-	SEE NOTE 6
	S1-6	R2-1(25 MPH)	24 x 30	7	-	1	-	SEE NOTE 6
		SW24-1 <CA>	36 x 48	9.5			-	
	S1-7	R81 <CA>	24 x 18	7.5	11'	1	-	-
		R81B <CA>	8 x 5	7			-	-
	S1-8	R81 <CA>	24 x 18	7	11'	1	-	-
	S1-9	R4-11	30 x 30	7	12'	1	-	-
	S1-10	R1-5	36 x 36	7	12'	1	-	-
	S1-11	SW24-2(LT) <CA>	36 x 48	7	-	-	1	SEE NOTE 7
		SW24-2(RT) <CA>	36 x 48	7				
S-2	S2-1	R81 <CA>	24 x 18	7.5	11'	1	-	-
		R81A <CA>	12 x 5	7			-	-
	S2-2	D11-1	24 x 18	7	11'	1	-	-
	S2-3	SW24-1 <CA>	36 x 48	7	-	1	-	SEE NOTE 6
	S2-4	SW24-3 <CA>	36 x 48	7	13'	1	-	-
	S2-5	D11-1	24 x 18	7	11'	1	-	-
GRAND TOTAL						16	2	

ROADSIDE SIGN PANEL QUANTITIES

SIGN CODE	No. OF SIGNS	SIGN MESSAGE/ DESCRIPTION	PANEL SIZE (W X H)	PANEL AREA	BACKGROUND		LEGEND		PROTECTIVE OVERLAY	FURNISH SINGLE SHEET ALUMINUM SIGN
			INCHES	SF	SHEETING COLOR	RETROREFLECTIVE ASTM TYPE	SHEETING COLOR	RETROREFLECTIVE ASTM TYPE	PREMIUM	UNFRAMED
										0.063" THICKNESS
D11-1	2	BIKE ROUTE	24 X 18	3.00	GREEN	XI	WHITE	XI	X	3.00
W1-8	2	CHEVRON ALIGNMENT	18 X 24	3.00	YELLOW	XI	BLACK		X	3.00
W11-8	1	EMERGENCY VEHICLE (SYMBOL)	30 X 30	6.25	YELLOW	XI	BLACK		X	6.25
SW24-1 <CA>	2	SCHOOL WARNING ASSEMBLY A <CA>	36 X 48	12.00	YELLOW-GREEN	XI	BLACK		X	12.00
SW24-2 <CA>	4	SCHOOL WARNING ASSEMBLY B <CA>	36 X 48	12.00	YELLOW-GREEN	XI	BLACK		X	12.00
SW24-3 <CA>	1	SCHOOL ADVANCE WARNING ASSEMBLY D <CA>	36 X 48	12.00	YELLOW-GREEN	XI	BLACK		X	12.00
R81B <CA>	1	END	8 X 5	0.28	WHITE	IX	BLACK		X	0.28
R81A <CA>	1	BEGIN	12 X 5	0.42	WHITE	IX	BLACK		X	0.42
R81 <CA>	4	BIKE LANE	12 X 8	0.67	WHITE	IX	BLACK		X	0.67
R2-1	1	SPEED LIMIT (25)	24 X 30	5.00	WHITE	IX	BLACK		X	5.00
R4-11	1	BICYCLES MAY USE FULL LANE	30 X 30	6.25	WHITE	IX	BLACK		X	6.25
R1-5	2	YIELD HERE TO PEDS	36 X 36	9.00	WHITE	IX	BLACK/RED		X	9.00



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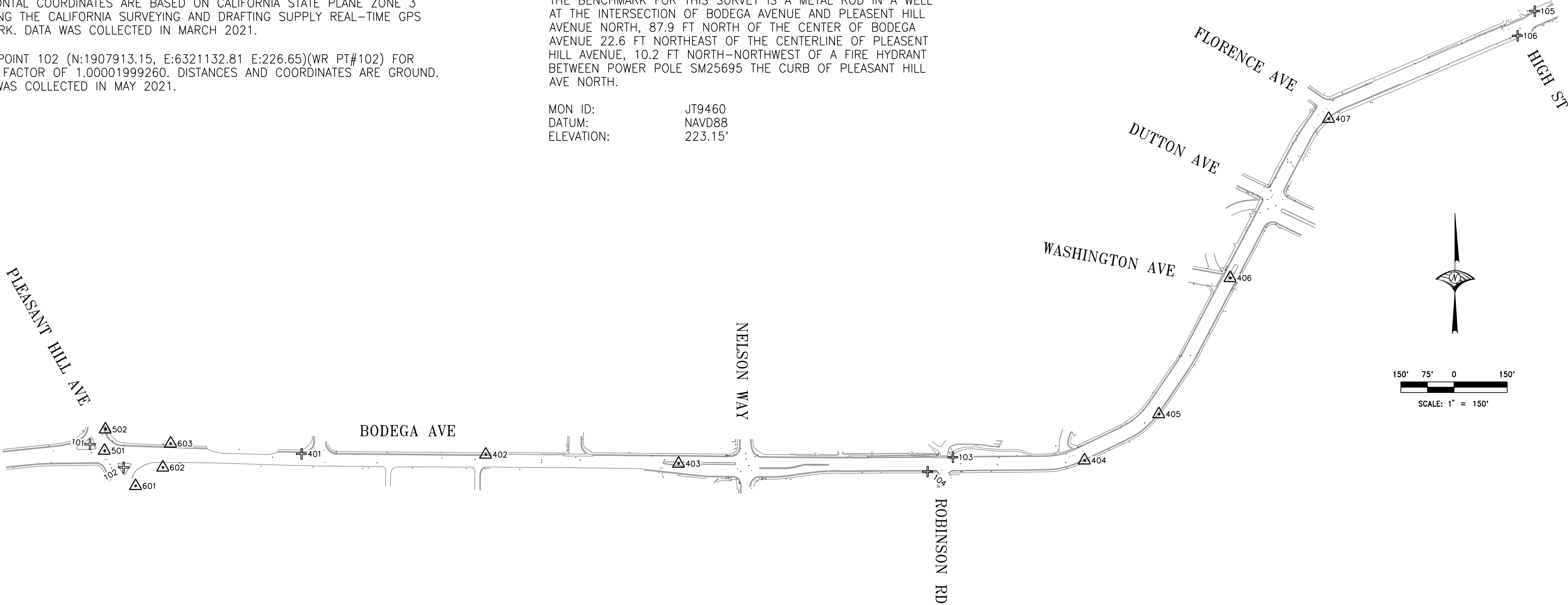
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HORIZONTAL COORDINATES:
HORIZONTAL COORDINATES ARE BASED ON CALIFORNIA STATE PLANE ZONE 3
UTILIZING THE CALIFORNIA SURVEYING AND DRAFTING SUPPLY REAL-TIME GPS
NETWORK. DATA WAS COLLECTED IN MARCH 2021.

HELD POINT 102 (N:1907913.15, E:6321132.81 E:226.65)(WR PT#102) FOR
SCALE FACTOR OF 1.00001999260. DISTANCES AND COORDINATES ARE GROUND.
DATA WAS COLLECTED IN MAY 2021.

BENCHMARK
THE BENCHMARK FOR THIS SURVEY IS A METAL ROD IN A WELL
AT THE INTERSECTION OF BODEGA AVENUE AND PLEASANT HILL
AVENUE NORTH, 87.9 FT NORTH OF THE CENTER OF BODEGA
AVENUE 22.6 FT NORTHEAST OF THE CENTERLINE OF PLEASANT
HILL AVENUE, 10.2 FT NORTH-NORTHWEST OF A FIRE HYDRANT
BETWEEN POWER POLE SM25695 THE CURB OF PLEASANT HILL
AVE NORTH.

MON ID: JT9460
DATUM: NAVD88
ELEVATION: 223.15'



Point Table				
Pt#	Elev	Northing	Easting	Description
101	224.26	1907977.87	6321037.43	CUT X IN ISLAND W/ORG FX
102	226.65	1907913.15	6321132.81	CUT X IN ISLAND W/ORG FX
103	151.00	1907941.70	6323471.61	CUT X IN VALLEY GUT FX
104	153.19	1907900.88	6323400.24	CUT X IN WALK FX
105	101.55	1909199.44	6325112.96	CUT X IN WALK FX
106	103.65	1909129.93	6325064.41	CUT X IN WALK FX
401	236.28	1907950.97	6321634.75	CUT X IN ISLAND W/ORG FX
402	216.96	1907948.90	6322153.89	SET 1IN BD LS9177 IN TC

Point Table				
Pt#	Elev	Northing	Easting	Description
403	183.60	1907923.35	6322698.02	CUT X IN ISLAND
404	139.30	1907932.79	6323842.77	CUT X IN TC
405	127.84	1908063.12	6324052.54	SET 1IN BD LS9177 IN WALK
406	113.07	1908447.28	6324253.48	SET 1IN BD LS9177 IN NOSE
407	110.48	1908896.02	6324531.42	SET 1IN BD LS9177 IN WALK
501	223.88	1907960.10	6321078.39	FD 2IN BD IN WELL (ILLEGABLE)
502	223.15	1908020.14	6321080.94	TBM JT9460
550	226.66	1906981.58	6322230.98	FD 2"BD LS3890 (NO PUNCH)

Point Table				
Pt#	Elev	Northing	Easting	Description
551	232.59	1906825.44	6322247.36	FD 2" BD LS3890 (NO PUNCH)
552	240.66	1906689.93	6322188.34	FD 2" BD LS3890 (NO PUNCH)
601	224.82	1907860.54	6321166.31	FD. 1001 1/2IP BRUNNER LS4206
602	226.92	1907912.38	6321243.19	FD. 1004 1/2IP LS3890
603	229.57	1907980.13	6321265.13	FD. 1005 1/2IP DONMON LS5132



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