

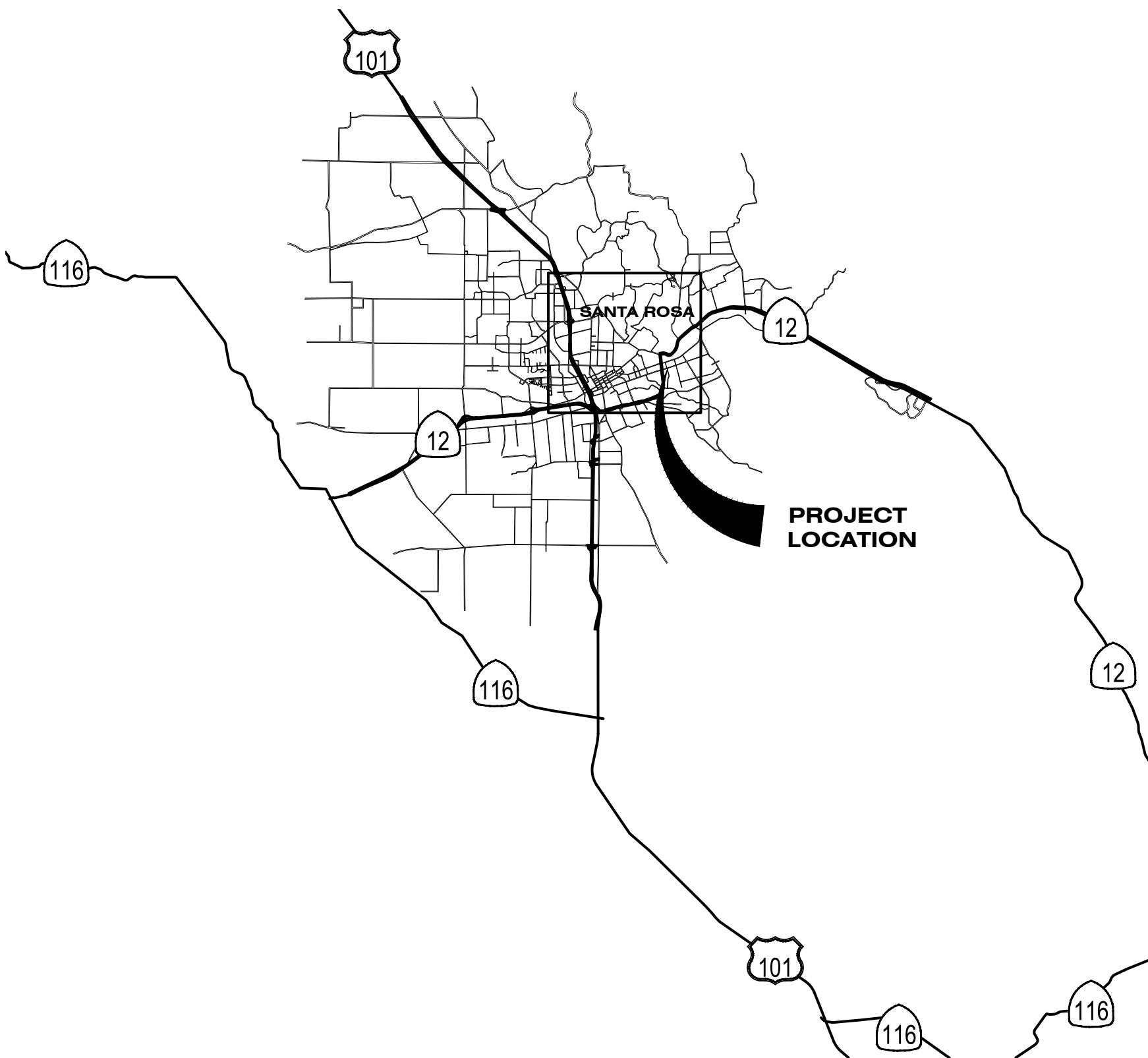


CITY OF SANTA ROSA

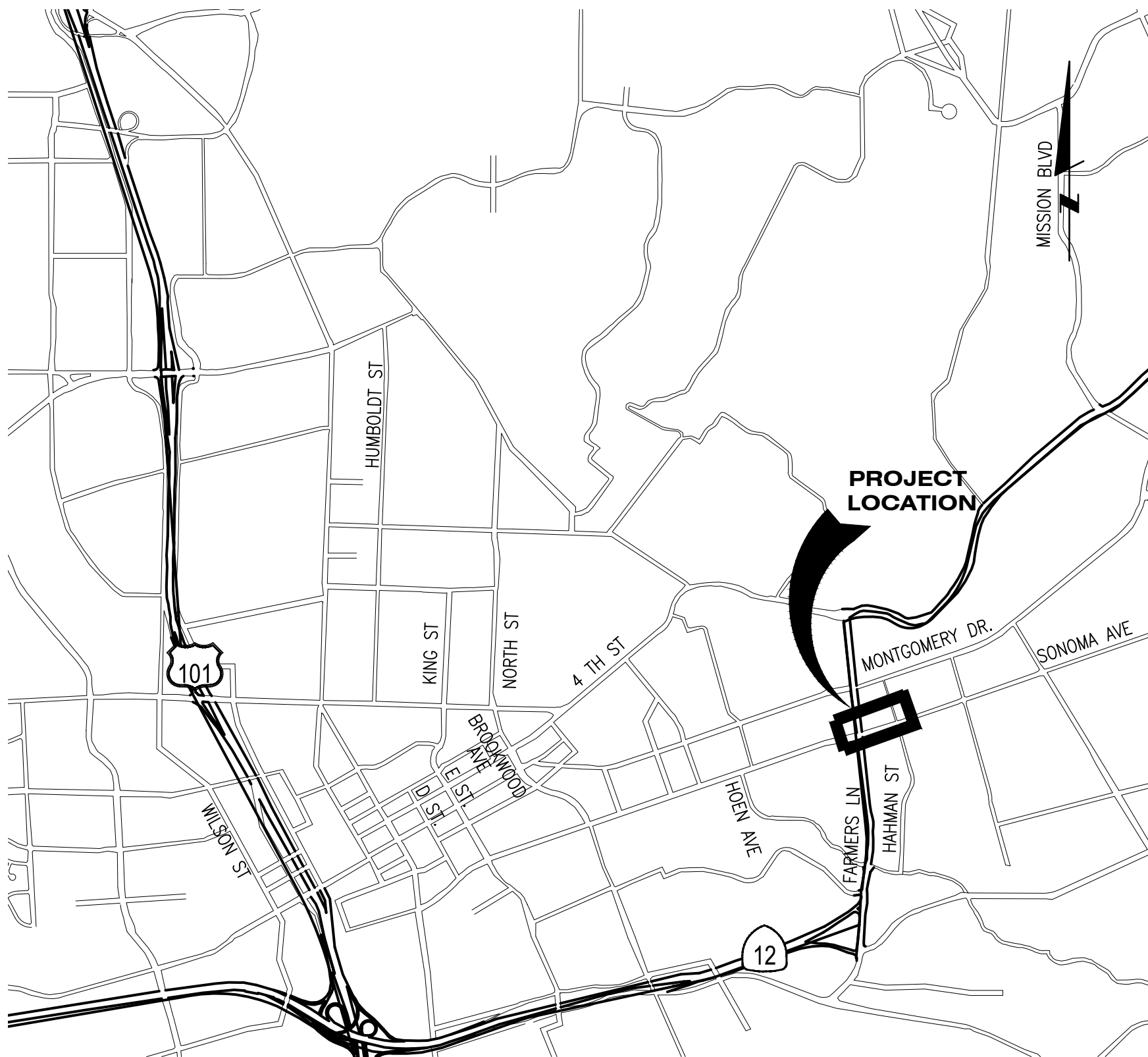
IMPROVEMENT PLANS FOR

SONOMA AVENUE
PAVEMENT REHABILITATION
FARMERS LANE TO HAHMAN DRIVE

CONTRACT No. C02261



VICINITY MAP
NOT TO SCALE



LOCATION MAP
NOT TO SCALE

SHEET INDEX	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	NOTES, LEGEND AND ABBREVIATIONS
3	DEMOLITION PLAN "S2" 11+00 TO "S2" 16+51
4	IMPROVEMENT PLAN "S2" 11+00 TO "S2" 14+50
5	IMPROVEMENT PLAN "S2" 14+50 TO "S2" 16+51
6	STRIPING PLAN "S2" 11+00 TO "S2" 16+51
7	TYPICAL SECTIONS AND DETAILS 1
8	PROFILE PLAN "S2" 11+00 TO "S2" 14+50
9	PROFILE PLAN "S2" 14+50 TO "S2" 16+51
10	PAVEMENT CROSS SECTIONS
11	CURB RAMP DETAILS
12	CURB RAMP DETAILS
13	SIGNAL AND LIGHTING MODIFICATION PLAN
14	CONSTRUCTION AREA SIGNS
15	STAGE CONSTRUCTION
16	TRAFFIC HANDLING (STAGE 1)
17	TRAFFIC HANDLING (STAGE 2)
18	WATER SERVICE REPLACEMENT PLAN
19	IRRIGATION SCHEMATIC DESIGN
20	IRRIGATION SPECIFICATIONS AND DETAILS

RECORD PLAN DATA

PROJECT START:	WATER SERVICE TYPE:
PROJECT END:	MANUFACTURER:
GEN. CONTRACTOR:	FIRE HYDRANT TYPE:
SUPERINTENDENT:	MANUFACTURER:
UNDERGROUND CONTRACTOR:	INSPECTOR:
FOREMAN:	CONSTRUCTION MANAGER:
SEWER PIPE TYPE:	RECORD PLANS BY:
MANUFACTURER:	ADDITIONAL INFO:
SEWER FITTINGS MANUFACTURER:	
M.H. MANUFACTURER:	
WATER PIPE TYPE:	
MANUFACTURER:	
WATER VALVE MANUFACTURER:	
WATER FITTINGS MANUFACTURER:	

PREPARED UNDER
THE DIRECTION OF:

ANDRE JADKOWSKI, P.E.

07/17/2025
DATE



1003 West Cutting Blvd. Suite 110
Richmond, Ca 94804
(510) 215-3620 * Fax (510) 215-2898

ISSUED
FOR BIDS
DATE: 07-18-2025



Know what's below.
Call before you dig.

BEFORE EXCAVATING CALL U.S.A.
UNDERGROUND SERVICE ALERT
800-642-2444
TWO WORKING DAYS BEFORE ALL
PLANNED WORK OPERATIONS

APPROVED: DIRECTOR OF TRANSPORTATION AND
PUBLIC WORKS

BY [Signature] DATE 7/22/25

DAN HENNESSEY

DESIGN/CONST	<u>[Signature]</u>	7/22/25
MATERIALS LAB	<u>[Signature]</u>	7/24/25
WATER - OPS	<u>[Signature]</u>	7/22/25
SURVEY	<u>[Signature]</u>	7/22/25
TRAFFIC	<u>[Signature]</u>	7/22/25
TRANSIT	<u>[Signature]</u>	7/30/25
TPW-FIELD SVCS	<u>[Signature]</u>	7/22/25
DEPT.	SIGNATURE	DATE



City of
Santa Rosa



CITY OF SANTA ROSA
SONOMA AVENUE - PAVEMENT REHABILITATION
FARMERS LN TO HAHMAN DR

TITLE SHEET

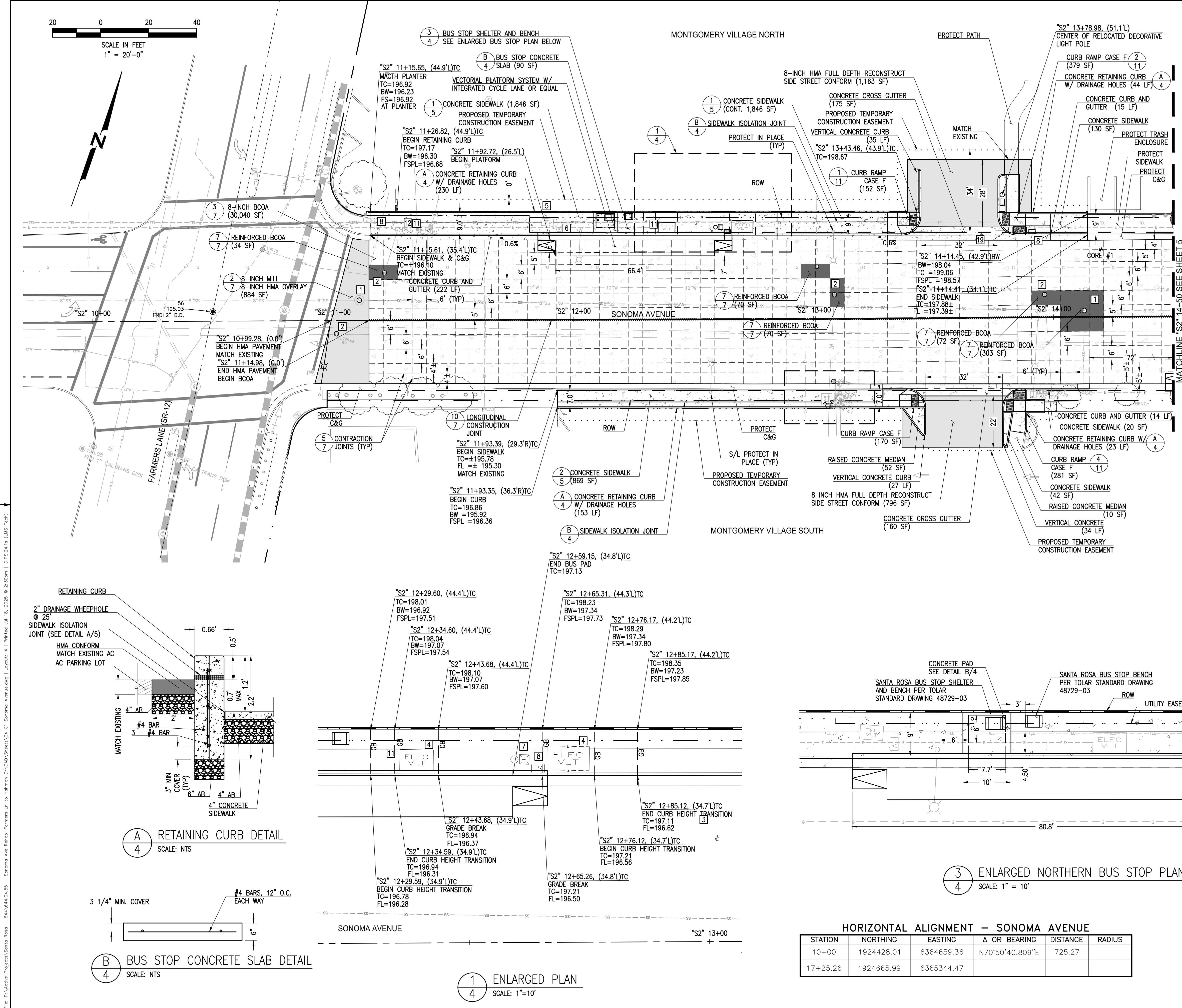
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DATE: 02/05/2025
DWN BY: PS
SCALE: AS SHOWN

CONTRACT NO.
C02261

SHEET 1 OF 20

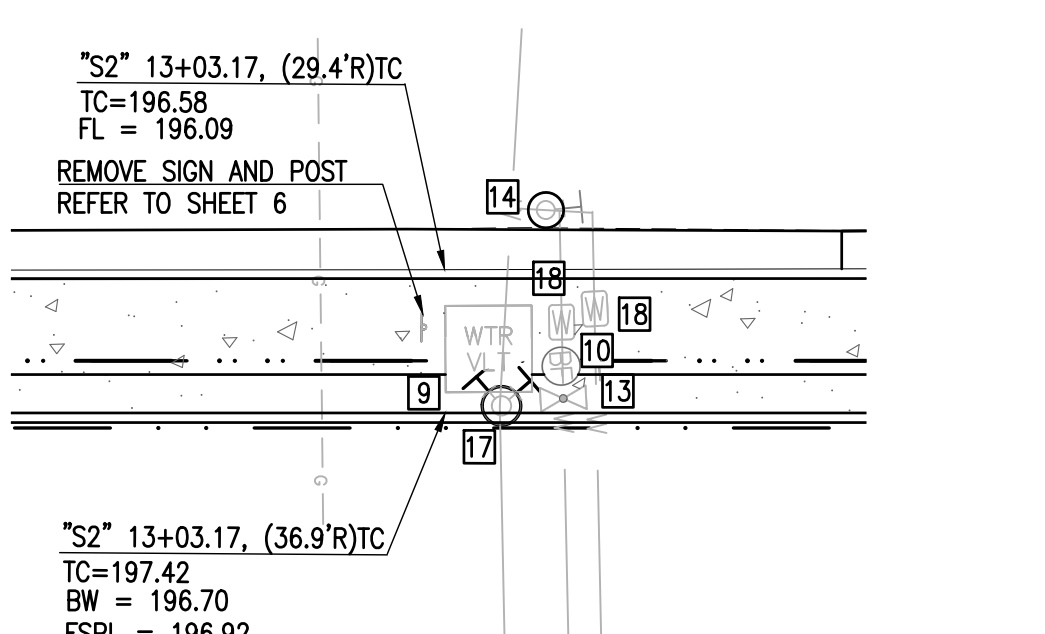
FILE NO.
2023-0015

File: P:\Active Projects\Santa Rosa - 644\644.04.05 - Sonoma Ave Rehab-Farmers Ln to Highway 101\Drawings\04 - C1 Sonoma Avenue.dwg | Layout: 4 | Printed Jul 15, 2025 @ 2:35pm | 10:52x14.5 (A0) (mm)

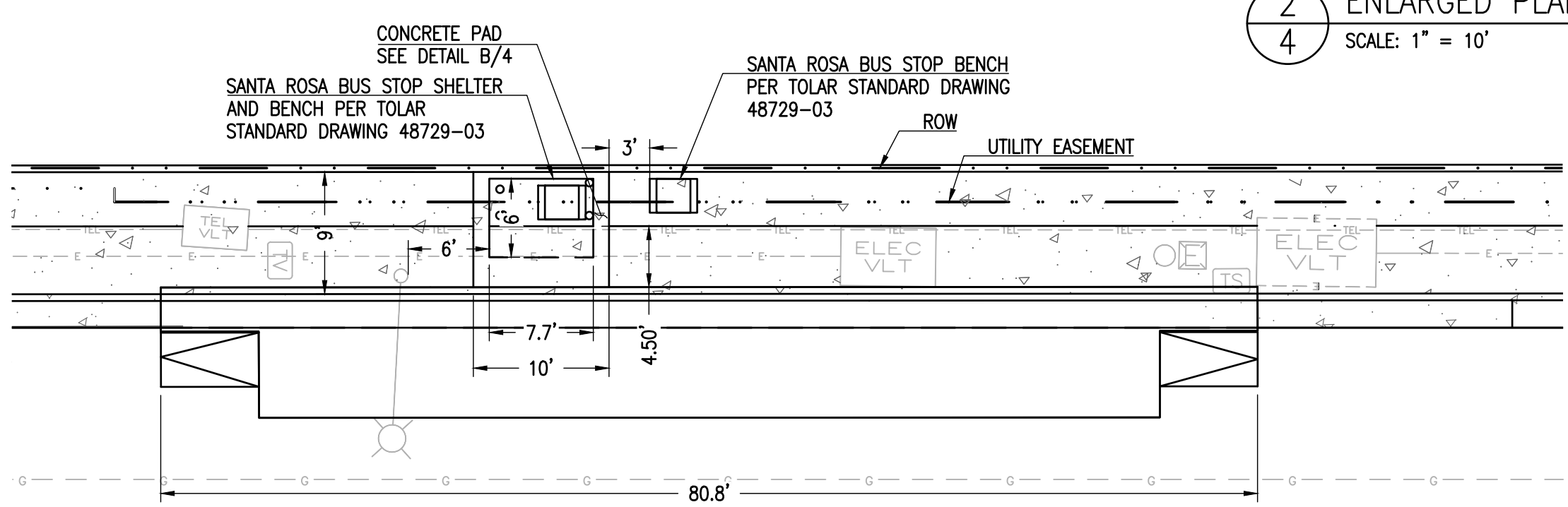


- NOTE:
- INTERCONNECT LINE TO BE LOCATED VIA POTHOLE BY THE CONTRACTOR WITH CAUTION PRIOR TO WORK.
 - FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS, SEE SHEET 2.
 - FOR DEMO SHEETS REFER TO SHEET 3.
 - FOR STRIPING SHEETS REFER TO SHEET 5.
 - FOR CURB RAMP DETAILS REFER TO SHEETS 8 & 9.

- KEYNOTES:
- SSMH; LOWER AND ADJUST MANHOLE FRAME AND COVER TO GRADE.
 - WATER VALVE; LOWER AND ADJUST VALVE BOX AND COVER TO GRADE.
 - GAS VALVE; LOWER AND ADJUST VALVE BOX AND COVER TO GRADE.
 - ELECTRICAL VAULT; ADJUST BOX FRAME AND COVER TO GRADE.
 - TELEPHONE VAULT; ADJUST BOX FRAME AND COVER TO GRADE.
 - TELEVISION PULLBOX; ADJUST PULLBOX FRAME AND COVER TO GRADE. ELECTRICAL CABINET AND ANTENNA POLE ON CONCRETE PAD; PROTECT IN PLACE.
 - TRAFFIC SIGNAL PULLBOX; RELOCATE PULLBOX OUT OF GRADE BREAK OR TACTILE DOME SURFACE.
 - WATER VAULT; ADJUST BOX FRAME AND COVER TO GRADE. SEE WATER SERVICE SHEET 18 FOR DETAILS.
 - BLOW-OFF VALVE; RELOCATE, SEE WATER SERVICE SHEET 18.
 - WATER METER BOX; ADJUST BOX AND COVER TO GRADE.
 - FIRE HYDRANT; PROTECT IN PLACE.
 - WATER VALVE; SEE WATER SERVICE SHEET 18.
 - HAND HOLE; LOWER AND ADJUST BOX AND COVER TO GRADE.
 - SDMH; LOWER AND ADJUST MANHOLE FRAME AND COVER TO GRADE.
 - FIRE DEPARTMENT CONNECTION, PROTECT IN PLACE.
 - WATER METER; RELOCATE, SEE WATER SERVICE SHEET 18.
 - NON WALKABLE SURFACE (COBBLESTONE).



2 ENLARGED PLAN
4 SCALE: 1" = 10'



3 ENLARGED NORTHERN BUS STOP PLAN
4 SCALE: 1" = 10'

HORIZONTAL ALIGNMENT - SONOMA AVENUE					
STATION	NORTHING	EASTING	Δ OR BEARING	DISTANCE	RADIUS
10+00	1924428.01	6364659.36	N70°50'40.809"E	725.27	
17+25.26	1924665.99	6365344.47			

ISSUED FOR BIDS
DATE: 07-18-2025

811
Know what's below.
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BEFORE EXCAVATING CALL U.S.A.
UNDERGROUND SERVICE ALERT
800-642-2444
TWO WORKING DAYS BEFORE ALL
PLANNED WORK OPERATIONS

REGISTERED PROFESSIONAL ENGINEER
JIM BUI
No. C 86467
State of California
7/17/25

ANCE
1003 West Cutting Blvd., Suite 1
Richmond, Ca 94804
(510) 215-3620 • Fax (510) 215-2898

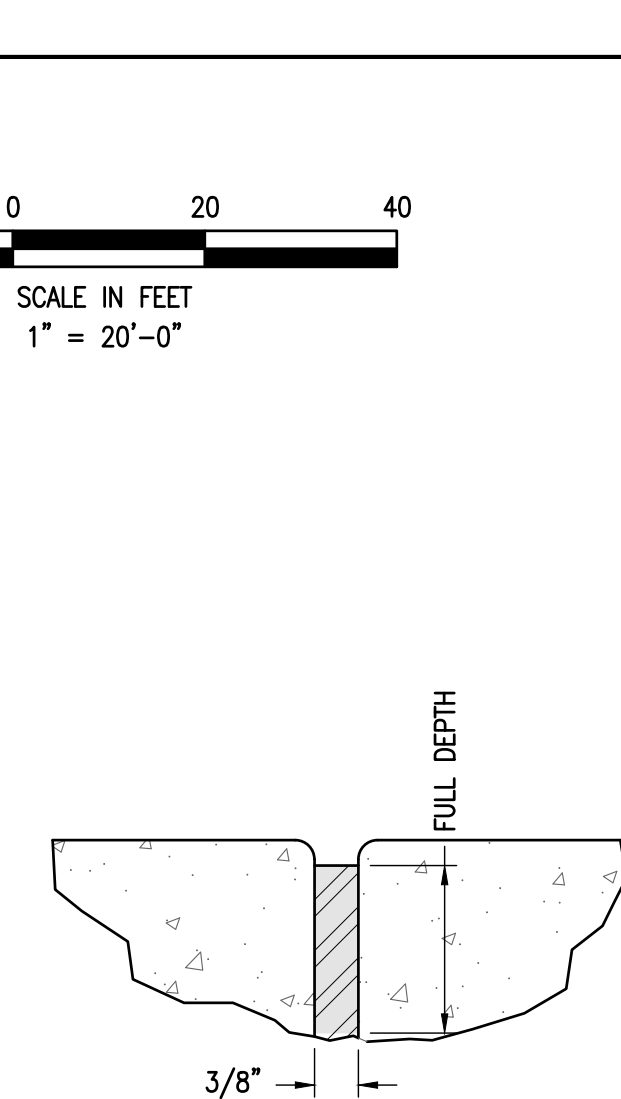
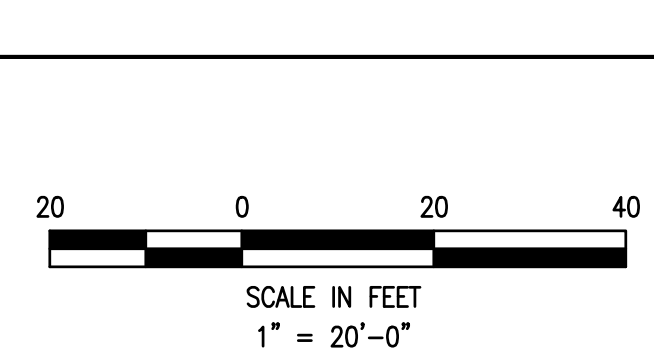
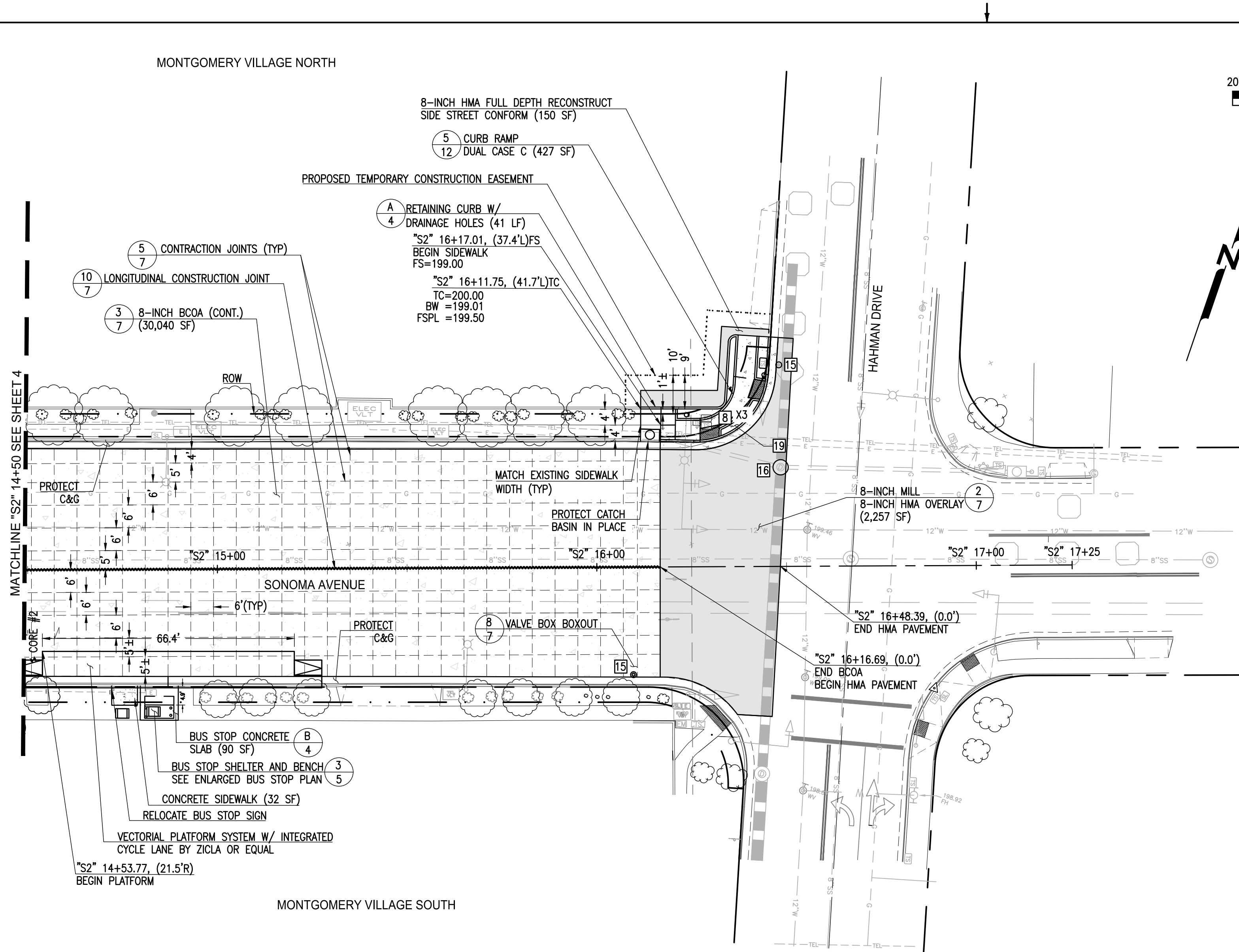
PROJECT NO:	644.04.55
DESIGNED BY:	PS
CHECKED BY:	PS
CHECK DATE:	07/05/2025
DRAWN BY:	PS
SUBMITTAL DATE:	07/18/2025
SCALE:	AS NOTED

CITY OF SANTA ROSA
SONOMA AVENUE - PAVEMENT REHABILITATION
FARMERS LN TO HAUMAN DR
IMPROVEMENT PLAN "S2" 11+00 TO "S2" 14+50

CONTRACT NO.
C02261

SHEET 4 OF 20

FILE NO. 2023-0015



20 40

SCALE IN FEET
1" = 20'-0"

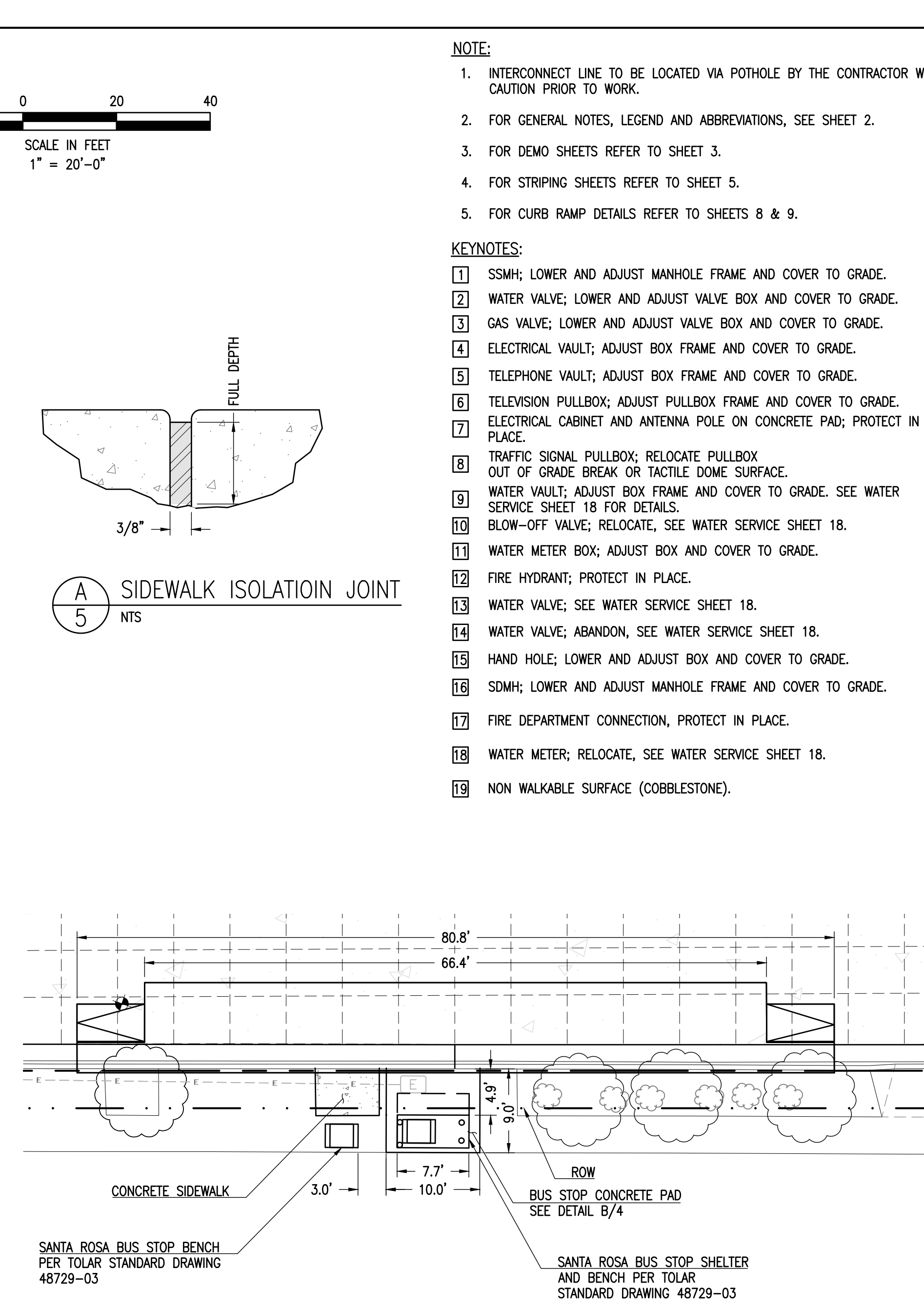
FULL DEPTH

3/8"

NTS

A
5

SIDEWALK ISOLATION JOINT



NOTE:

1. INTERCONNECT LINE TO BE LOCATED VIA POT-HOLE CAUTION PRIOR TO WORK.
2. FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS REFER TO SHEET 3.
3. FOR DEMO SHEETS REFER TO SHEET 3.
4. FOR STRIPING SHEETS REFER TO SHEET 5.
5. FOR CURB RAMP DETAILS REFER TO SHEETS 8 AND 9.

KEYNOTES:

- 1 SSMH; LOWER AND ADJUST MANHOLE FRAME AND COVER
- 2 WATER VALVE; LOWER AND ADJUST VALVE BOX AND COVER
- 3 GAS VALVE; LOWER AND ADJUST VALVE BOX AND COVER
- 4 ELECTRICAL VAULT; ADJUST BOX FRAME AND COVER
- 5 TELEPHONE VAULT; ADJUST BOX FRAME AND COVER
- 6 TELEVISION PULLBOX; ADJUST PULLBOX FRAME AND COVER
- 7 ELECTRICAL CABINET AND ANTENNA POLE ON CURB PLACE.
- 8 TRAFFIC SIGNAL PULLBOX; RELOCATE PULLBOX OUT OF GRADE BREAK OR TACTILE DOME SURFACE
- 9 WATER VAULT; ADJUST BOX FRAME AND COVER SEE SERVICE SHEET 18 FOR DETAILS.
- 10 BLOW-OFF VALVE; RELOCATE, SEE WATER SERVICE SHEET 18 FOR DETAILS.
- 11 WATER METER BOX; ADJUST BOX AND COVER TO BE IN PLACE.
- 12 FIRE HYDRANT; PROTECT IN PLACE.
- 13 WATER VALVE; SEE WATER SERVICE SHEET 18.
- 14 WATER VALVE; ABANDON, SEE WATER SERVICE SHEET 18 FOR DETAILS.
- 15 HAND HOLE; LOWER AND ADJUST BOX AND COVER
- 16 SSMH; LOWER AND ADJUST MANHOLE FRAME AND COVER
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- 19 NON WALKABLE SURFACE (COBBLESTONE).

ENLARGED SOUTHERN BUS STOP PLAN

The diagram shows a plan view of a bus stop shelter and bench. Key dimensions include a total width of 80.8' and 66.4' for the street area, a 3.0' sidewalk, a 7.7' shelter width, and a 10.0' total stop width. Callouts point to various features: 'DEWALK', 'BENCH', 'SANTA ROSA BUS STOP SHELTER AND BENCH PER TOLAR STANDARD DRAWING 48729-03', 'BUS STOP CONCRETE PAD SEE DETAIL B/4', and 'ROW' (Right of Way). A 'FULL DEPTH' callout points to a cross-section of the curb. A 'WALK ISOLATION JOINT' is indicated on the sidewalk. Keynotes 1 through 19 are listed on the right side of the plan.

WALK ISOLATION JOINT

80.8'
66.4'

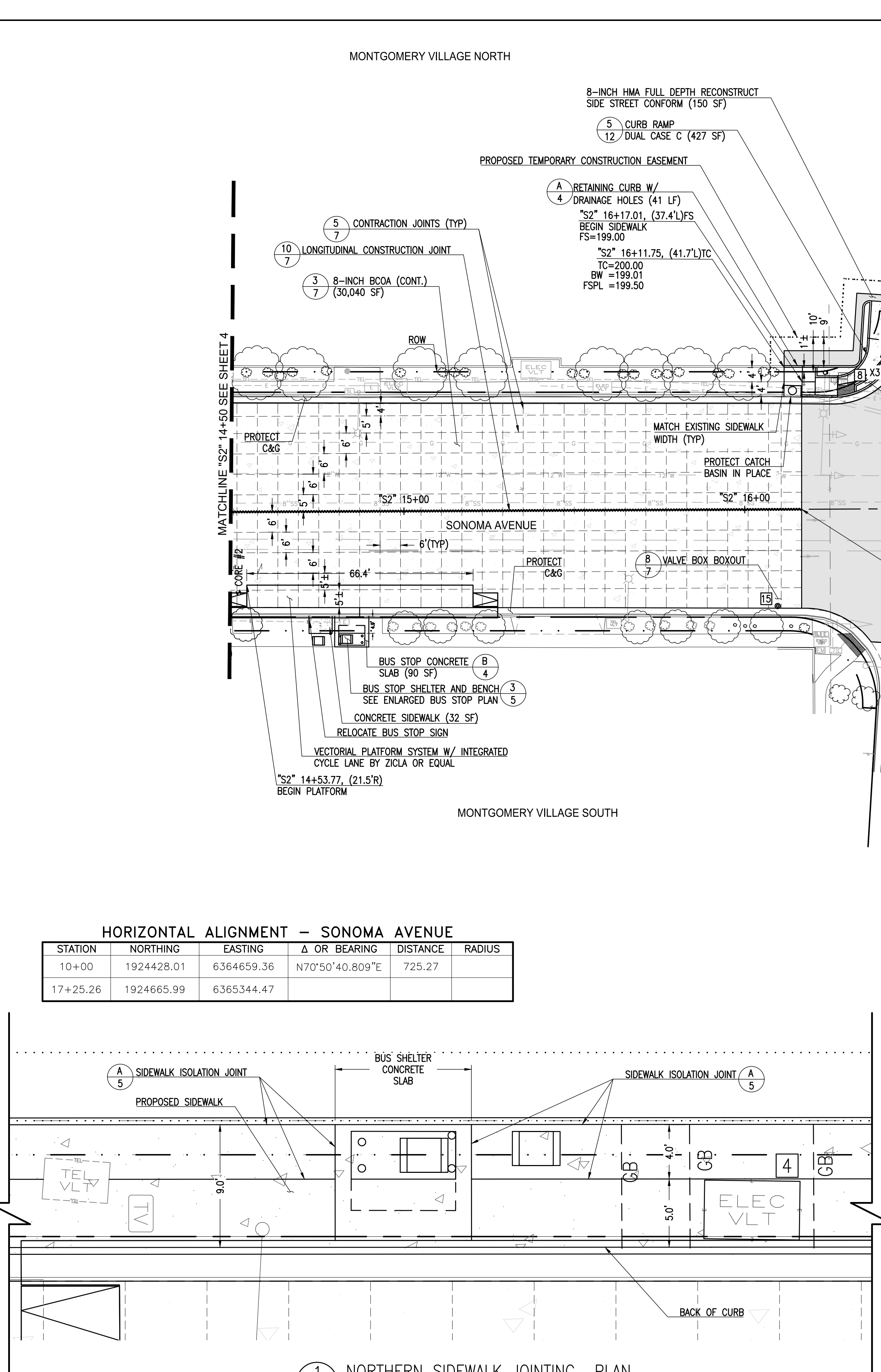
3.0'
7.7'
10.0'

4.9'
9.0'

DEWALK
BENCH
SANTA ROSA BUS STOP SHELTER AND BENCH PER TOLAR STANDARD DRAWING 48729-03
BUS STOP CONCRETE PAD SEE DETAIL B/4
ROW

KEYNOTES:

- 1 SSMH; LOWER AND ADJUST MANHOLE FRAME AND COVER
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- 3 GAS VALVE; LOWER AND ADJUST VALVE BOX AND COVER
- 4 ELECTRICAL VAULT; ADJUST BOX FRAME AND COVER
- 5 TELEPHONE VAULT; ADJUST BOX FRAME AND COVER
- 6 TELEVISION PULLBOX; ADJUST PULLBOX FRAME AND COVER
- 7 ELECTRICAL CABINET AND ANTENNA POLE ON CURB PLACE.
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MONTGOMERY VILLAGE NORTH

8-INCH HMA
SIDE STREET

5
12

PROPOSED TEMPORARY CONSTRUCTION

A
4

RETAINING CURB
DRAINAGE HOLE

"S2" 16+17.0
BEGIN SIDEWALK
FS=199.00

"S2" 16+
TC=200.0
BW = 199.0
FSPL = 199.5

5
7

CONTRACTION JOINTS (TYP)

LONGITUDINAL CONSTRUCTION JOINT

3
7

8-INCH BCOA (CONT.)
(30,040 SF)

ROW

ELEC
VLT

"S2" 15+00

SONOMA AVENUE

6'(TYP)

PROTECT
C&G

BUS STOP CONCRETE
SLAB (90 SF)

B
4

BUS STOP SHELTER AND BENCH
SEE ENLARGED BUS STOP PLAN

3
5

CONCRETE SIDEWALK (32 SF)

RELOCATE BUS STOP SIGN

VECTIORAL PLATFORM SYSTEM W/ INTEGRATED
CYCLE LANE BY ZICLA OR EQUAL

" 14+53.77, (21.5'R)
GIN PLATFORM

MONTGOMERY VILLAGE SOUTH

- SONOMA AVENUE

Δ OR BEARING	DISTANCE	RADIUS
N70°50'40.809"E	725.27	

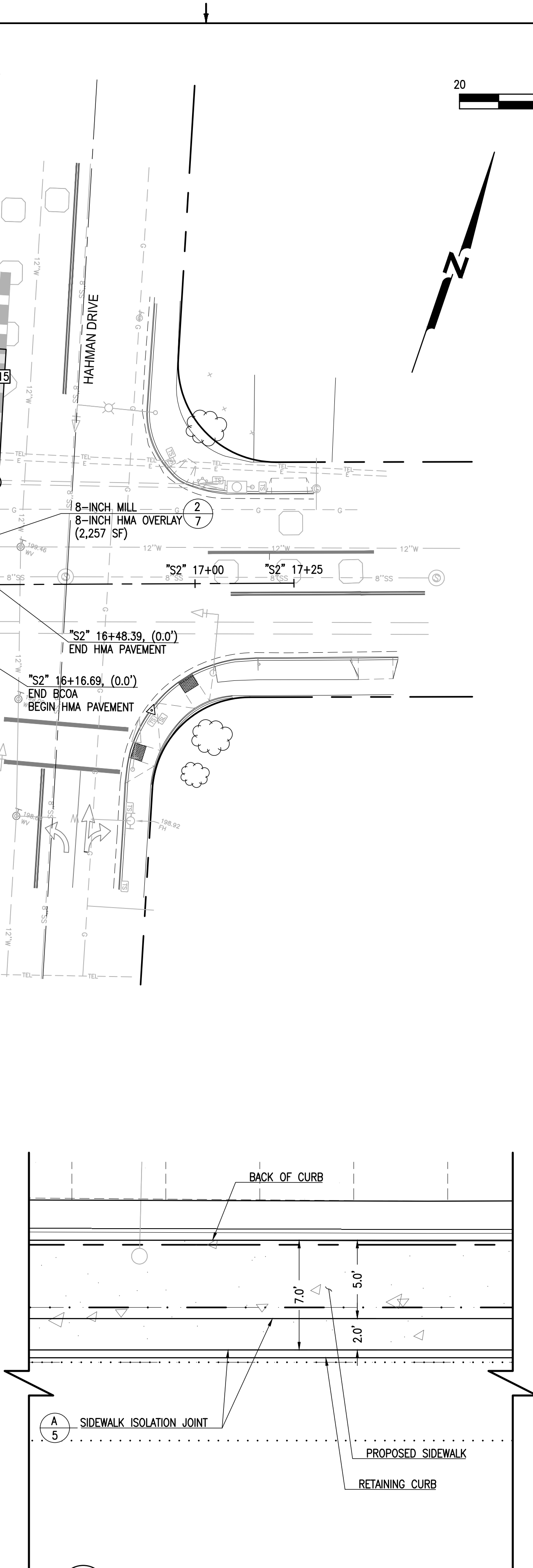
BUS' SHELTER
CONCRETE
SLAB

SID

1
5

NORTHERN SIDEWALK JOINTING PLAN

SCALE: 1"=5'

[illegible]

NOTE:

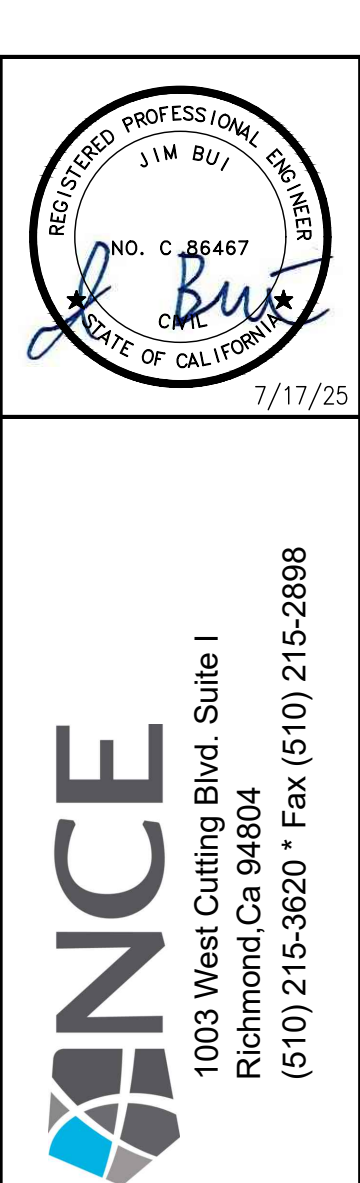
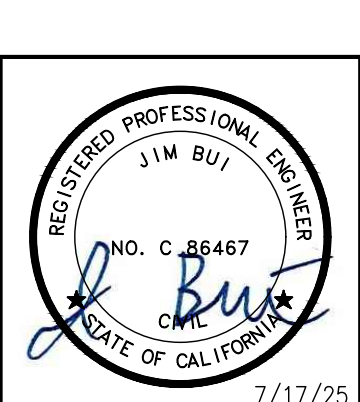
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3. FOR DEMO SHEETS REFER TO SHEET 3.
4. FOR STRIPING SHEETS REFER TO SHEET 5.
5. FOR CURB RAMP DETAILS REFER TO SHEETS 8 & 9.

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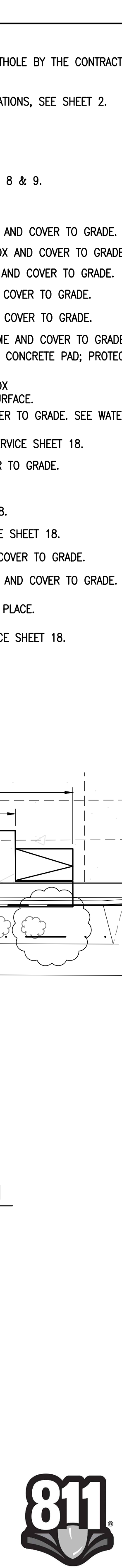
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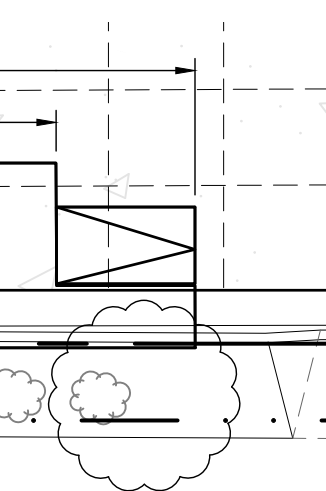
KEYNOTES:

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- 2] WATER VALVE; LOWER AND ADJUST VALVE BOX AND COVER TO GRADE.
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- 17] FIRE DEPARTMENT CONNECTION, PROTECT IN PLACE.
- 18] WATER METER; RELOCATE, SEE WATER SERVICE SHEET 18.
- 19] NON WALKABLE SURFACE (COBBLESTONE).

[illegible][illegible][illegible]

CITY OF SANTA ROSA SONOMA AVENUE - PAVEMENT REHABILITATION FARMERS LN TO HAHMAN DR IMPROVEMENT PLAN "S2" 14+50 TO "S2" 16+51		CONTRACT NO. C02261 SHEET 5 OF 20 FILE NO. 2023-0019		PROJECT NO: 644.04.55 SCALE: AS NOTED		DESIGNED BY: PS DRAWN BY: PS		CHECKED BY: FH SUBMITTAL DATE: 07/18/2025		CHECK DATE: 02/05/2025		No. Date Revision By		 NCE 1003 West Cutting Blvd. Suite 1 Richmond Ca 94804 (510) 215-3620 • Fax (510) 215-2898		 7/17/25	
--	--	---	--	---	--	--	--	---	--	-------------------------------	--	--	--	--	--	---	--



A POTHOLE BY THE CONTRACTOR W
 ABBREVIATIONS, SEE SHEET 2.
 I.
 T 5.
 SHEETS 8 & 9.
 FRAME AND COVER TO GRADE.
 VE BOX AND COVER TO GRADE.
 BOX AND COVER TO GRADE.
 AND COVER TO GRADE.
 AND COVER TO GRADE.
 FRAME AND COVER TO GRADE.
 LE ON CONCRETE PAD; PROTECT IN
 HULLBOX
 ME SURFACE.
 COVER TO GRADE. SEE WATER
 ER SERVICE SHEET 18.
 COVER TO GRADE.
 SHEET 18.
 SERVICE SHEET 18.
 AND COVER TO GRADE.
 FRAME AND COVER TO GRADE.
 CT IN PLACE.
 SERVICE SHEET 18.
 E).

 ELTER
 -03
 LAN

NOTE:

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2. FOR GENERAL NOTES, LEGEND AND
3. FOR DEMO SHEETS REFER TO SHEET
4. FOR STRIPING SHEETS REFER TO SH
5. FOR CURB RAMP DETAILS REFER TO

KEYNOTES:

- 1 SSMH; LOWER AND ADJUST MANHOLE
- 2 WATER VALVE; LOWER AND ADJUST V
- 3 GAS VALVE; LOWER AND ADJUST VALV
- 4 ELECTRICAL VAULT; ADJUST BOX FRA
- 5 TELEPHONE VAULT; ADJUST BOX FRA
- 6 TELEVISION PULLBOX; ADJUST PULLB
- 7 ELECTRICAL CABINET AND ANTENNA R
- 8 PLACE.
- 9 TRAFFIC SIGNAL PULLBOX; RELOCATE
- 10 OUT OF GRADE BREAK OR TACTILE
- 11 WATER VAULT; ADJUST BOX FRAME A
- 12 SERVICE SHEET 18 FOR DETAILS.
- 13 BLOW-OFF VALVE; RELOCATE, SEE W
- 14 WATER METER BOX; ADJUST BOX AN
- 15 FIRE HYDRANT; PROTECT IN PLACE.
- 16 WATER VALVE; SEE WATER SERVICE
- 17 WATER VALVE; ABANDON, SEE WATER
- 18 HAND HOLE; LOWER AND ADJUST BO
- 19 SSMH; LOWER AND ADJUST MANHOLE
- 20 FIRE DEPARTMENT CONNECTION, PRO
- 21 WATER METER; RELOCATE, SEE WATER
- 22 NON WALKABLE SURFACE (COBBLEST

80.8'

66.4'

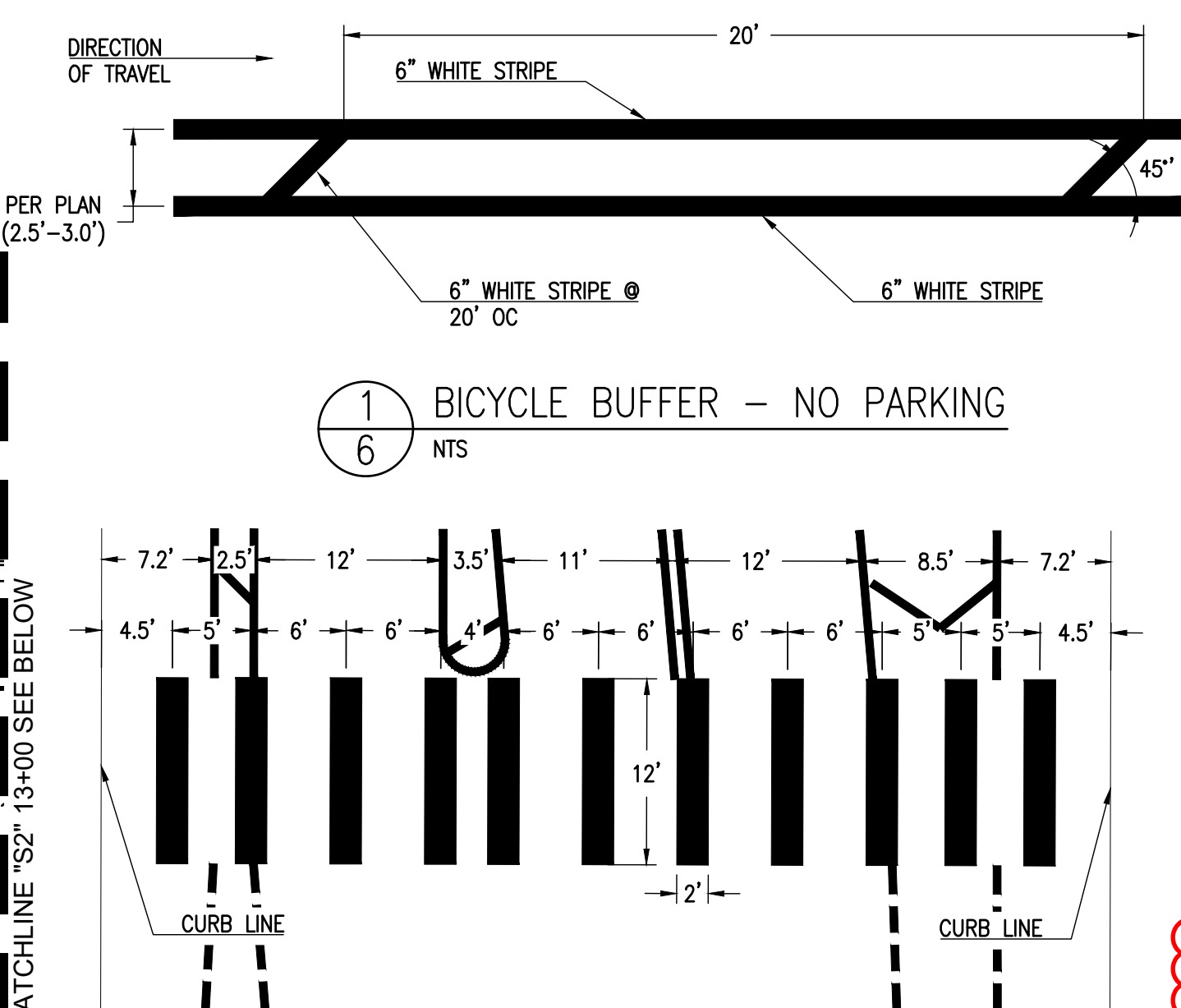
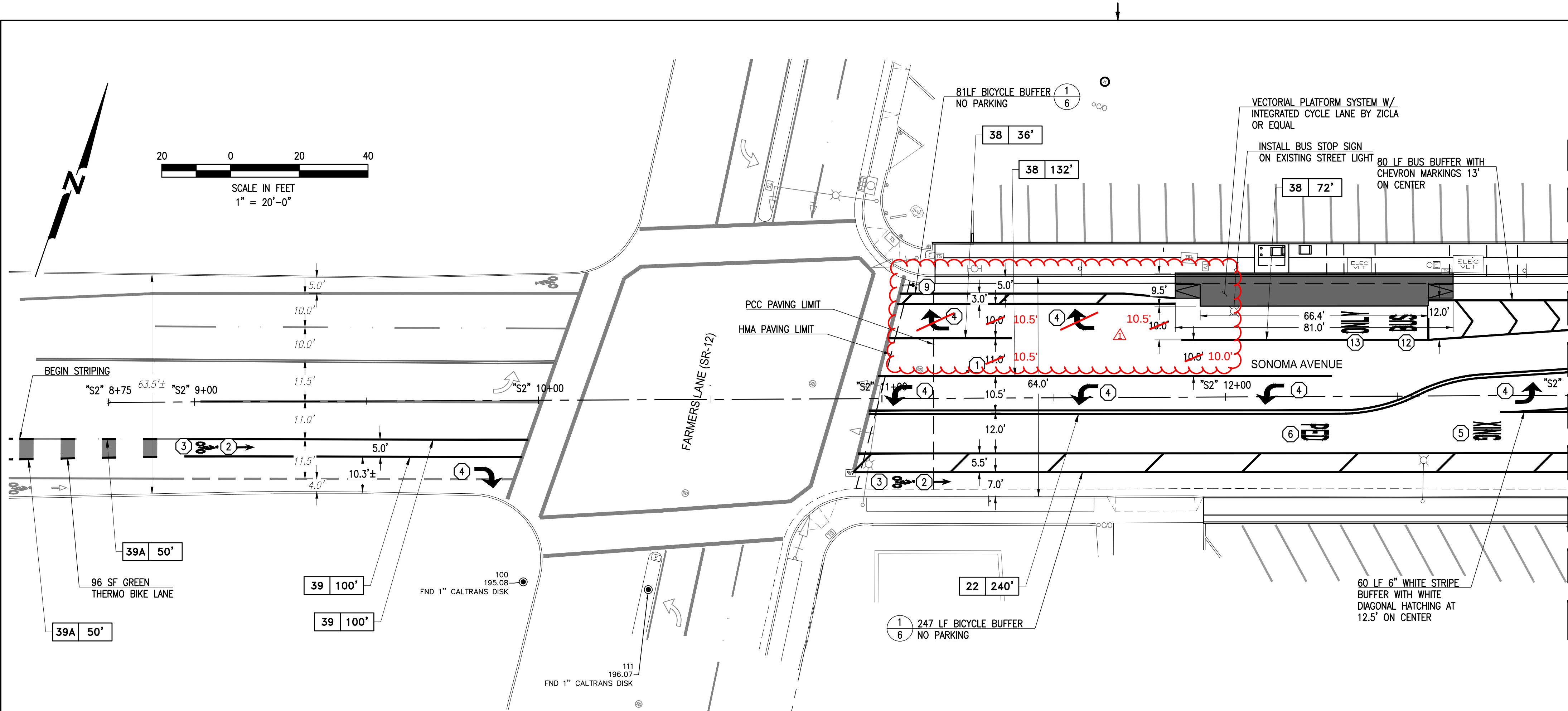
4.9'

9.0'

ROW

BUS STOP CONCRETE PAD
SEE DETAIL B/4

SANTA ROSA BUS STOP
AND BENCH PER TOLAR
STANDARD DRAWING 487



- NOTES:**
1. CROSSWALK BARS NOT TO BE PLACED ON THE WHEEL PATHS AND EVENLY DISTRIBUTED.
 2. 2' CROSSWALK BARS TO BE CENTERED ON CENTERLINE, LANE LINES, TRAVEL LANES, AND BIKE LANES.
 3. CONCRETE TO BE COLORED WITHIN THE FOOTPRINT OF THE NEWLY INSTALLED CROSSWALK.



- NOTE:**
1. FOR GENERAL NOTES, LEGEND AND ABBREVIATIONS, SEE DWG. G2.
 2. REFER TO LATEST CALTRANS STANDARD PLANS FOR PAVEMENT MARKING AND TRAFFIC LINES.
 3. ALL LANE WIDTHS ARE MEASURED FROM FACE OF CURB UNLESS OTHERWISE NOTED.
 4. WHITE STRIPING AND MARKINGS INSTALLED DIRECTLY OVER PCC SHALL HAVE BLACK CONTRAST PAINT BELOW WITH 1" BLACK PAINT EXPOSED ON SIDES OF WHITE STRIPING OR MARKINGS.
 5. REMOVE EXISTING STRIPING WITH MINIMAL DAMAGE TO THE EXISTING PAVEMENT.

- ### KEYNOTES:
1. INSTALL FIRE HYDRANT BLUE MARKER
 2. INSTALL CALTRANS BIKE LANE ARROW
 3. INSTALL CALTRANS "BIKE LANE SYMBOL WITH PERSON"
 4. INSTALL CALTRANS ARROW TYPE IV
 5. INSTALL CALTRANS PAVEMENT MARKING "XING"
 6. INSTALL CALTRANS PAVEMENT MARKING "PED"
 7. INSTALL TRAFFIC LOOP DETECTOR TYPE A
 8. INSTALL TRAFFIC LOOP DETECTOR TYPE D
 9. INSTALL BICYCLE LOOP DETECTOR SYMBOL
 10. INSTALL BICYCLE SHARED LANE MARKING (SHARROW)
 11. INSTALL CALTRANS PAVEMENT MARKING "BIKE"
 12. INSTALL CALTRANS PAVEMENT MARKING "BUS"
 13. INSTALL CALTRANS PAVEMENT MARKING "ONLY"
 14. INSTALL CALTRANS ARROW TYPE I (6.5')



**ISSUED
FOR BIDS**
DATE: 07-18-2025

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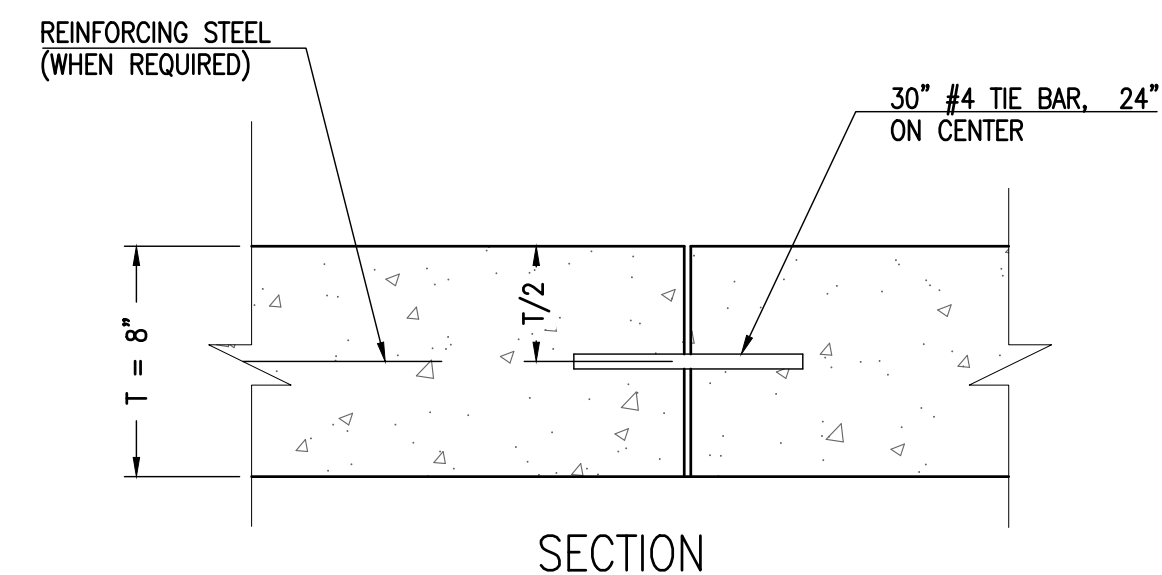
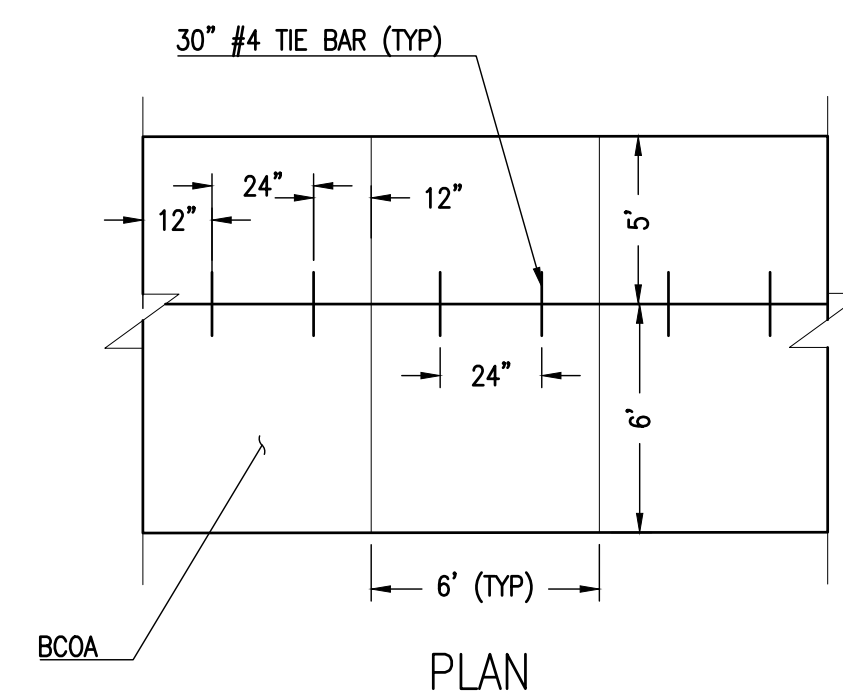
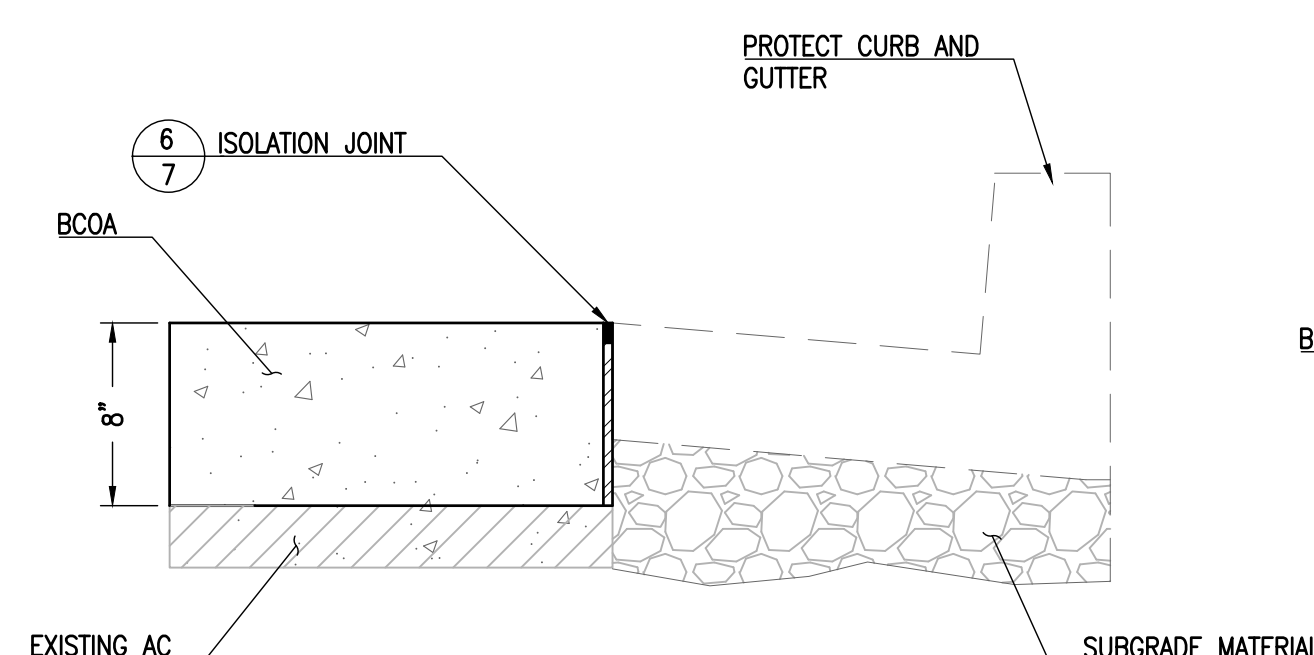
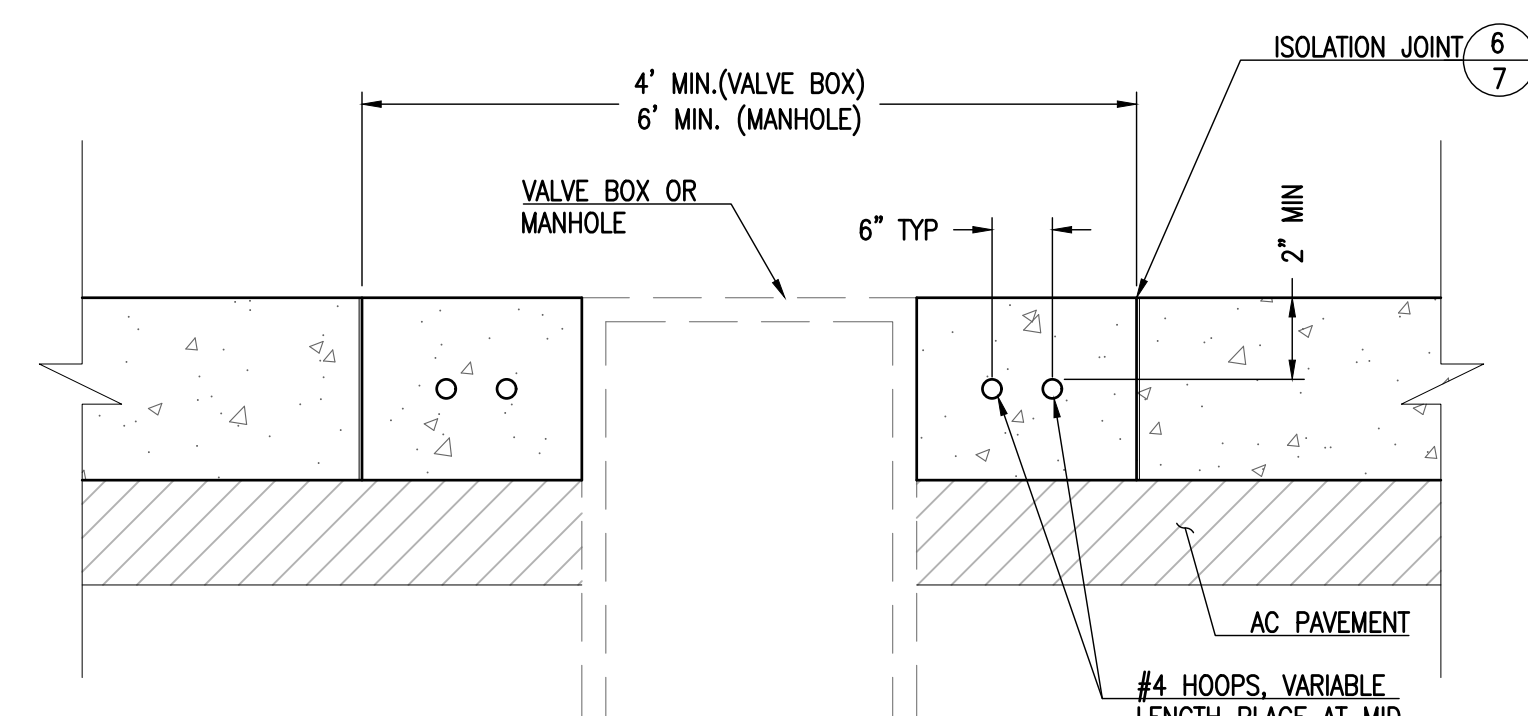
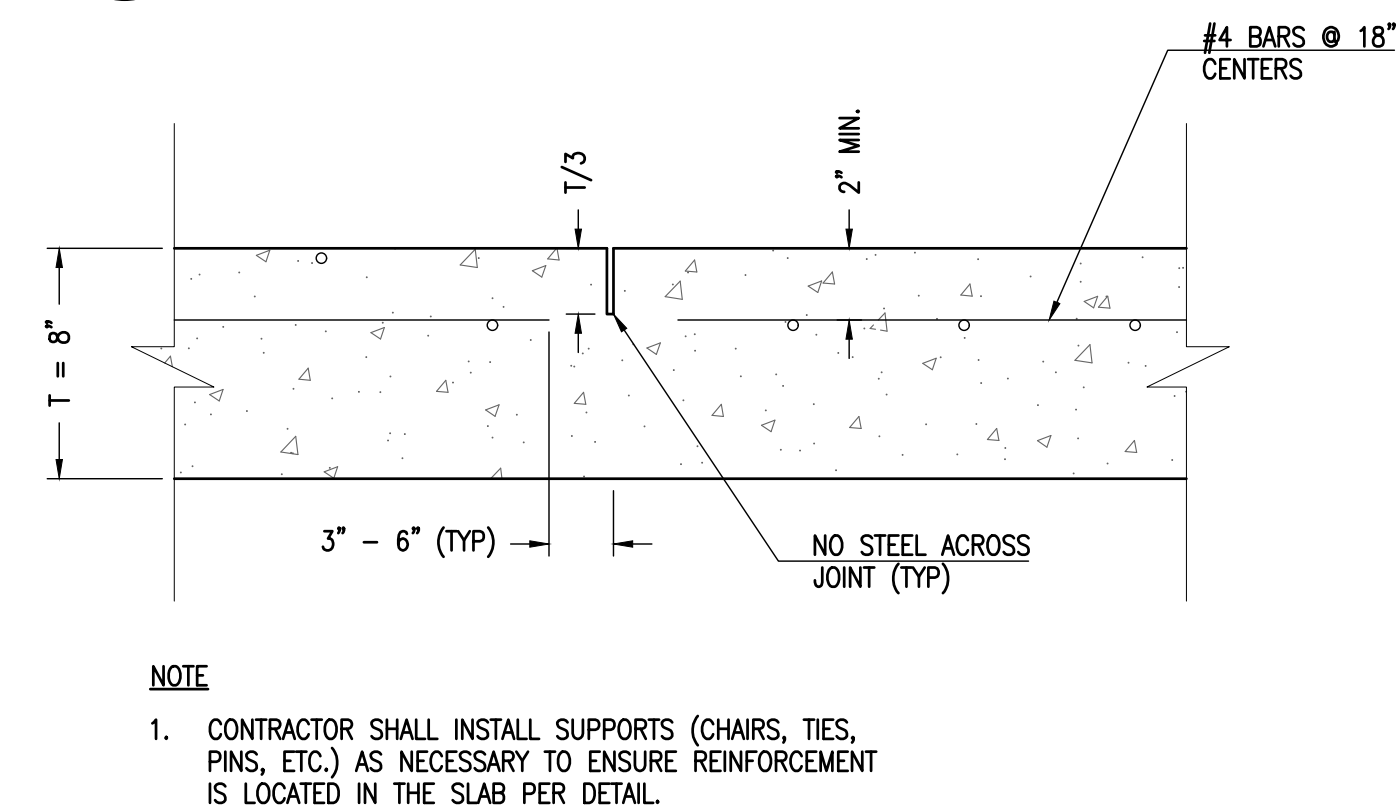
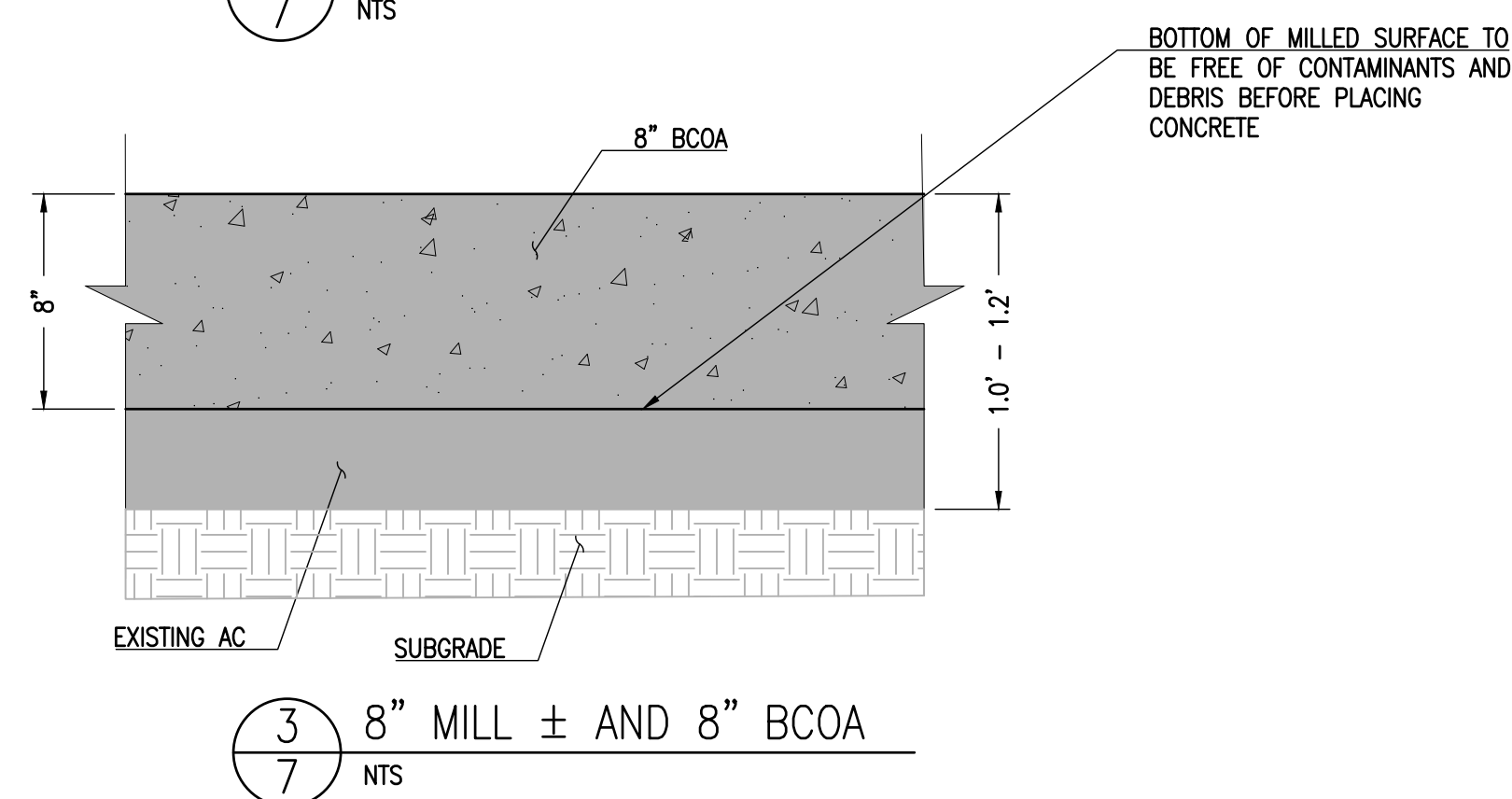
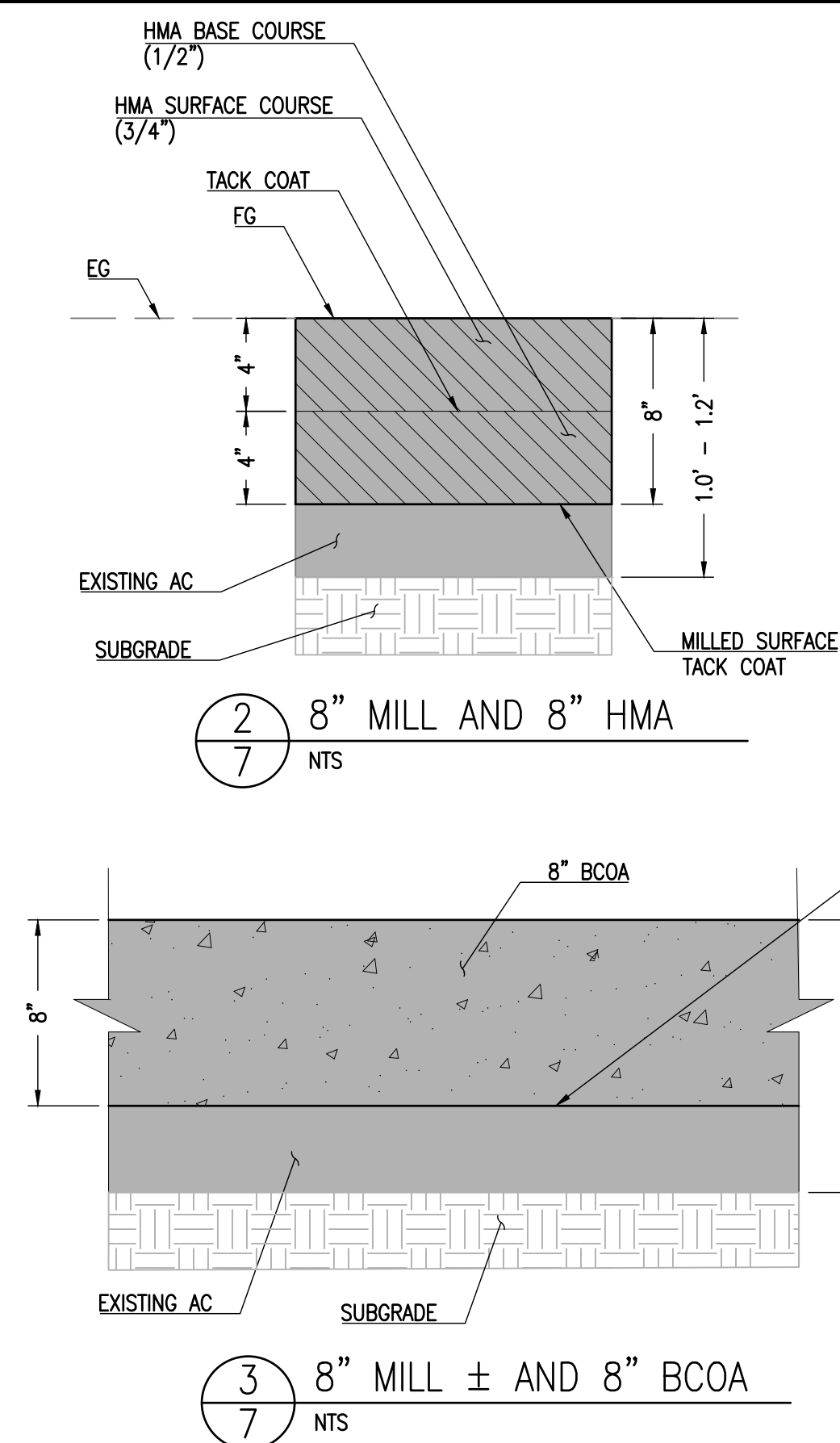
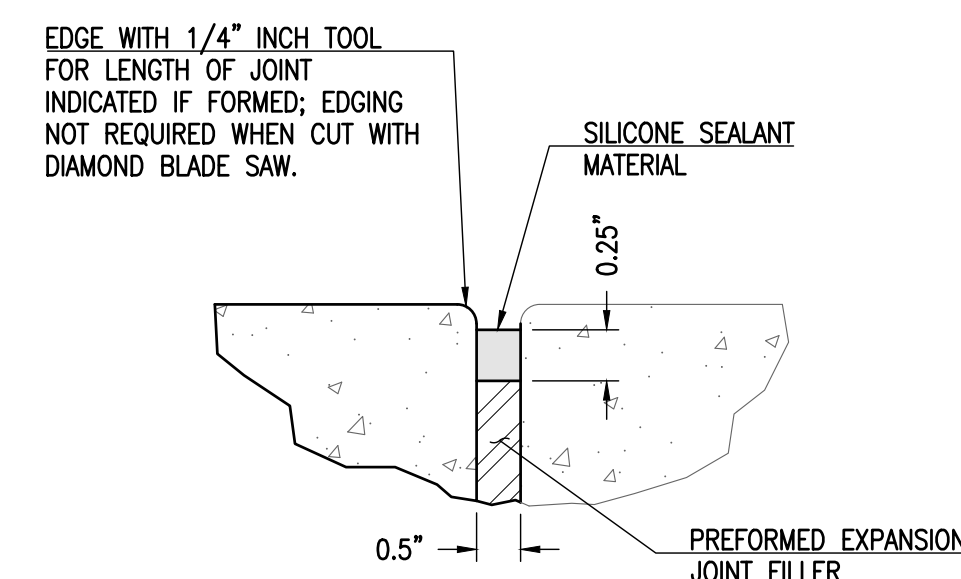
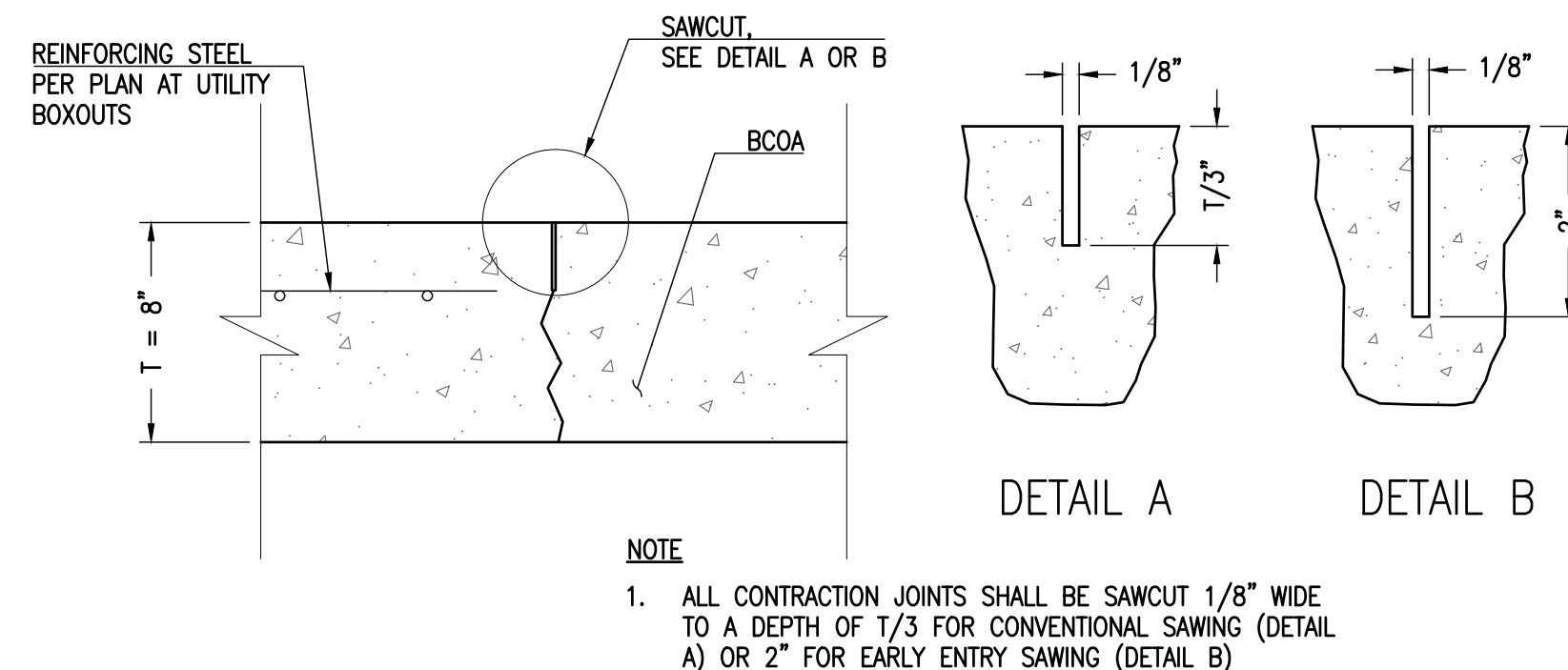
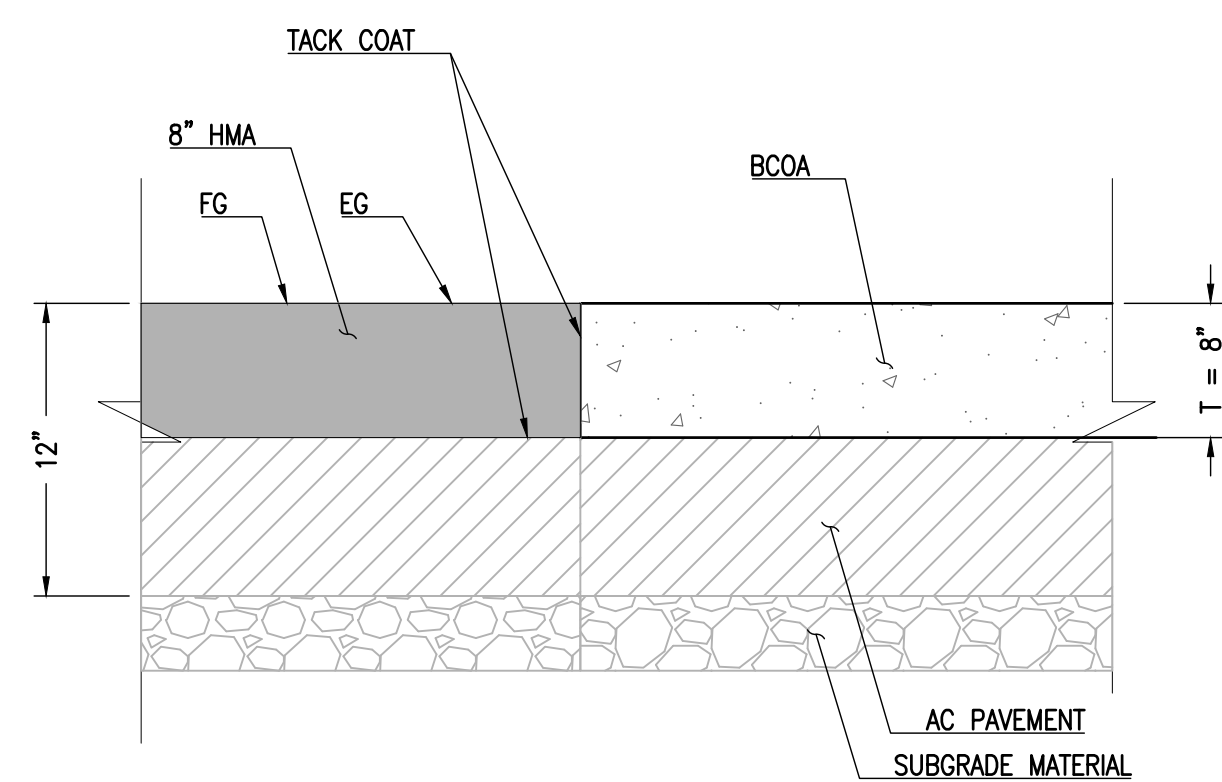
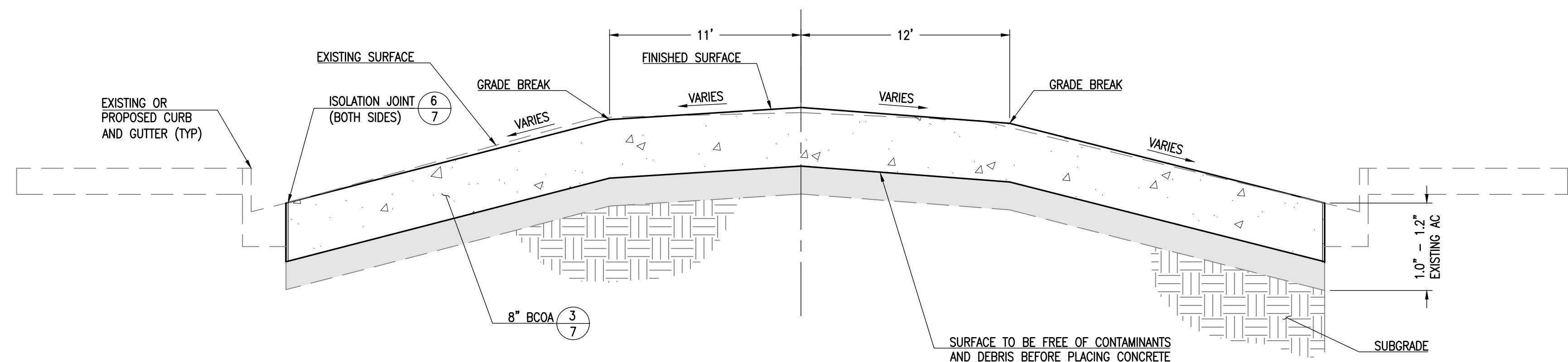
CITY OF SANTA ROSA		CONTRACT NO. C02261		
SONOMA AVENUE - PAVEMENT REHABILITATION				
FARMERS LN TO HAHMAN DR		STRIPING PLAN "S2" 11 +00 TO "S2" 16+51		
PROJECT NO: 644.04.55	DESIGNED BY: PS	CHECKED BY: FH	CHECK DATE: 02/05/2025	
SCALE: AS NOTED	DRAWN BY:	SUBMITTAL DATE:	07/18/2025	
			7.28.25 Remove right turn arrows, and adjust lane widths as shown	RS
			7.28.25 Adjust lane widths to 11'	RS
		No.	Date	Revision
				By



1003 West Cutting Blvd., Suite 1
Richmond Ca 94804
(510) 215-3620 * Fax (510) 215-2898



7/17/25



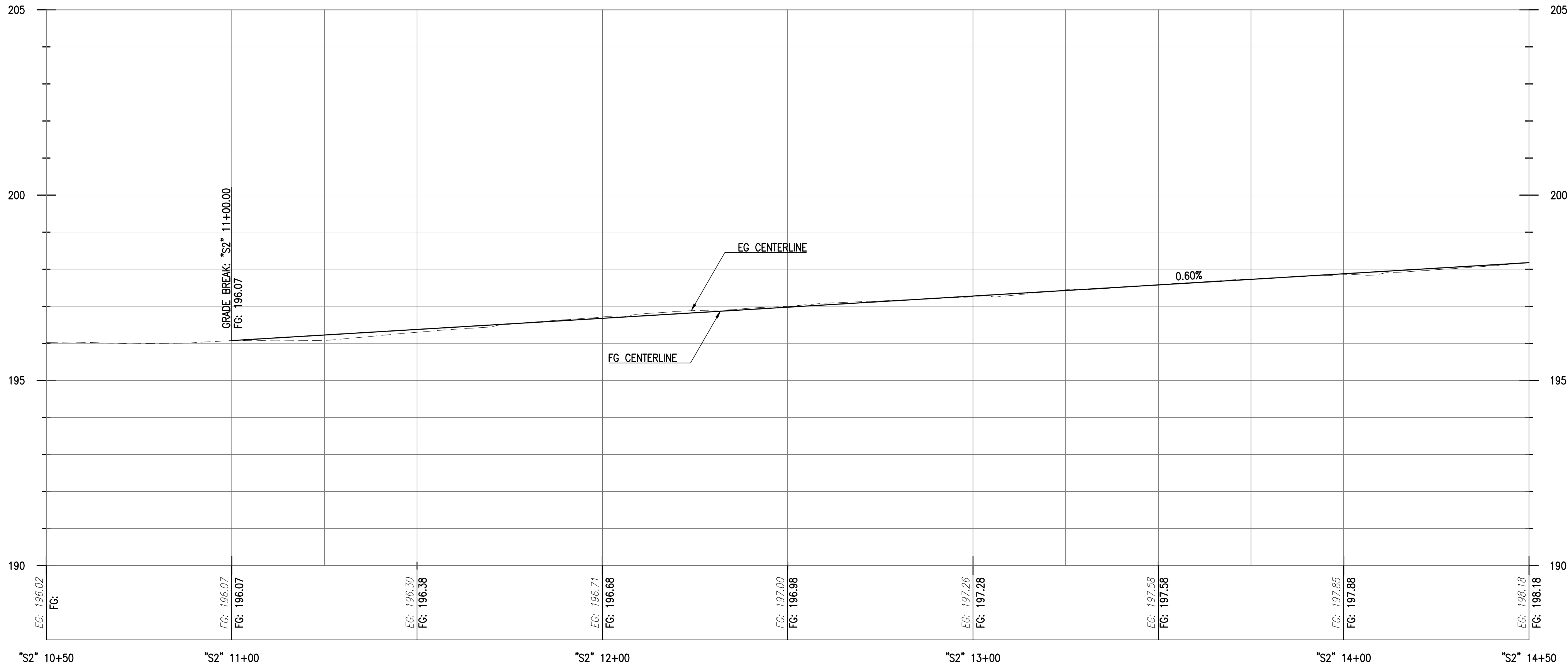
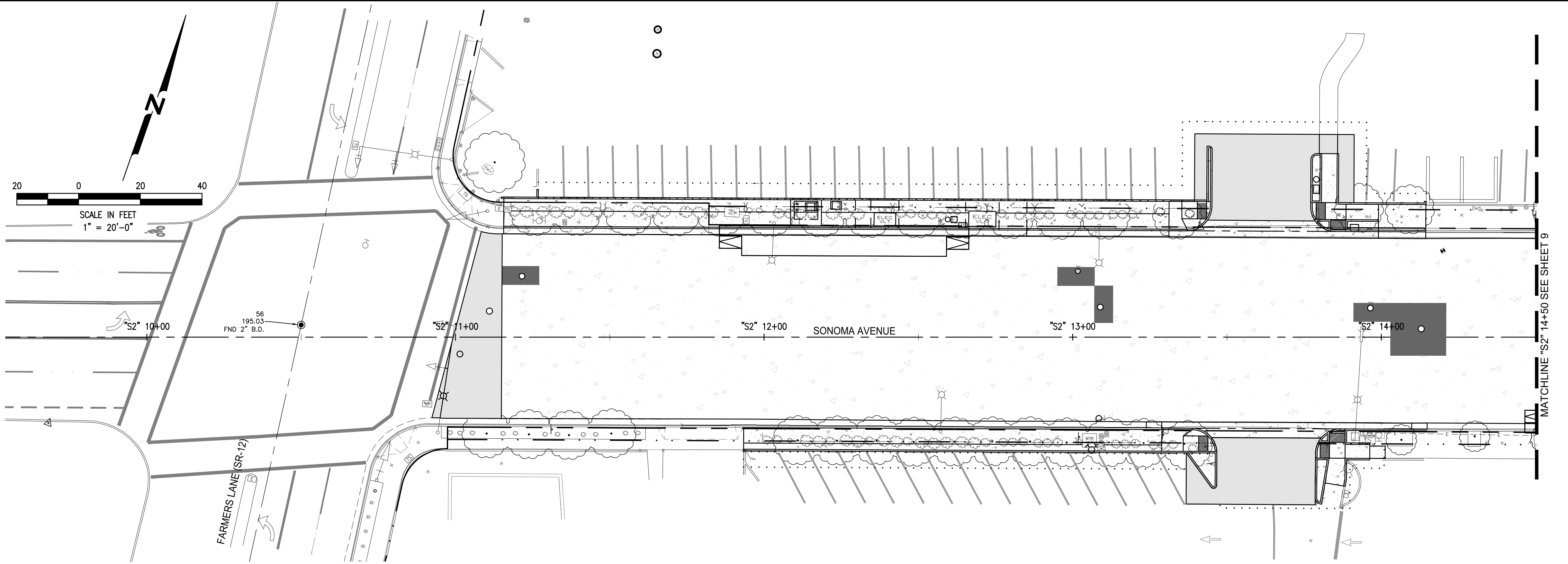
**ISSUED
FOR BIDS**
DATE: 07-18-2025



**Know what's below.
Call before you dig.**

BEFORE EXCAVATING CALL U.S.A.
UNDERGROUND SERVICE ALERT
800-642-2444
TWO WORKING DAYS BEFORE ALL
PLANNED WORK OPERATIONS

File: P:\Active Projects\Santa Rosa - 644\644.04.55 - Sonoma Ave Rehab-Farmers Ln to Highway Dr\CAD\Sheets\04-C1-Sonoma Avenue.dwg | Layout: 8 | Printed Jul 15, 2025 @ 2:50pm | D:\524\1s (Auto Tech)

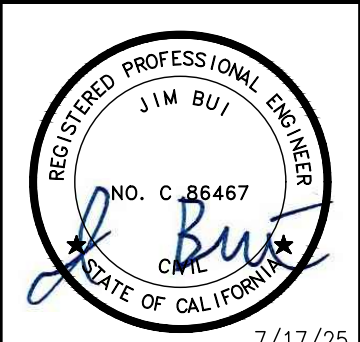


SCALE:
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 1'

**ISSUED
FOR BIDS**
DATE: 07-18-2025



**Know what's below.
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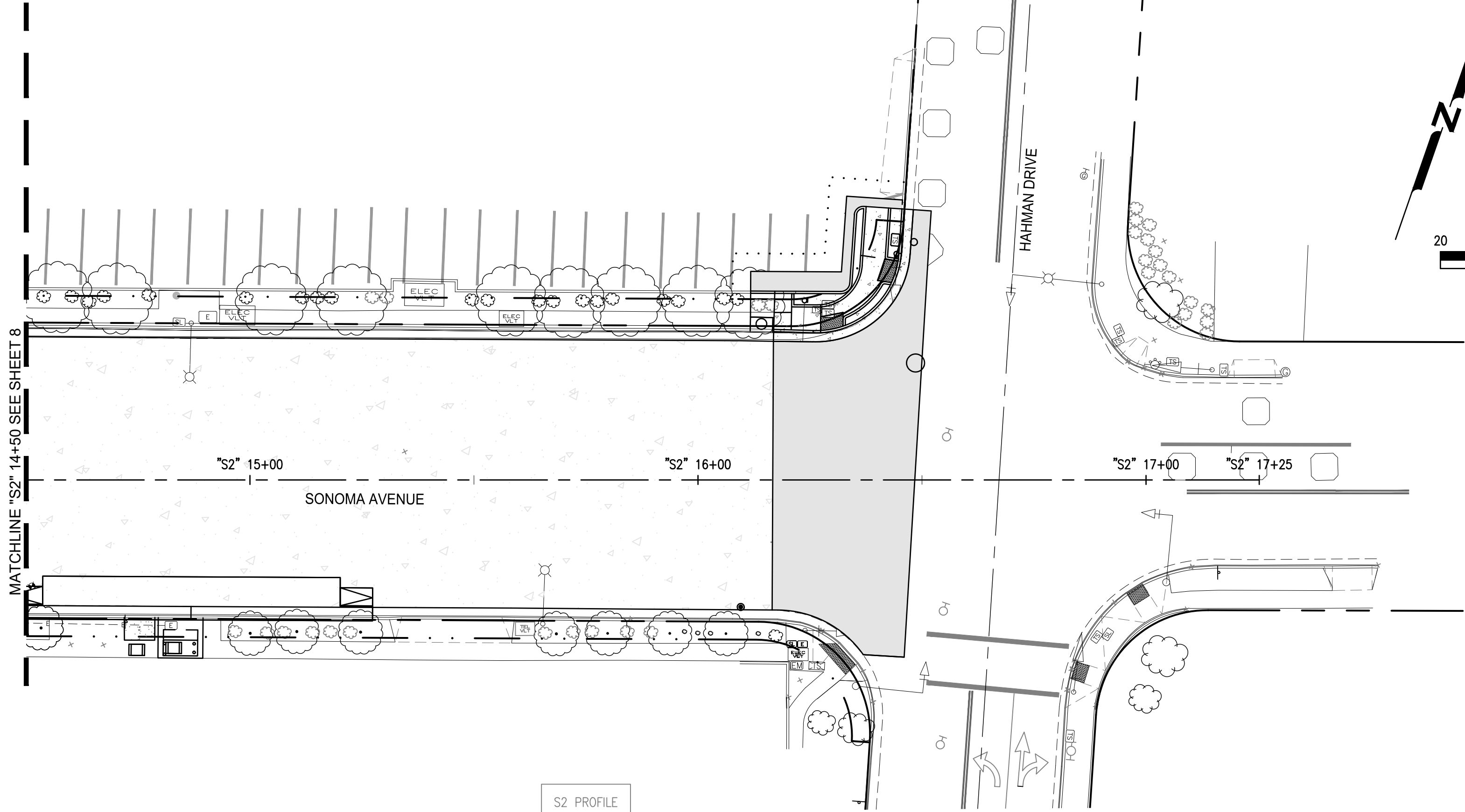
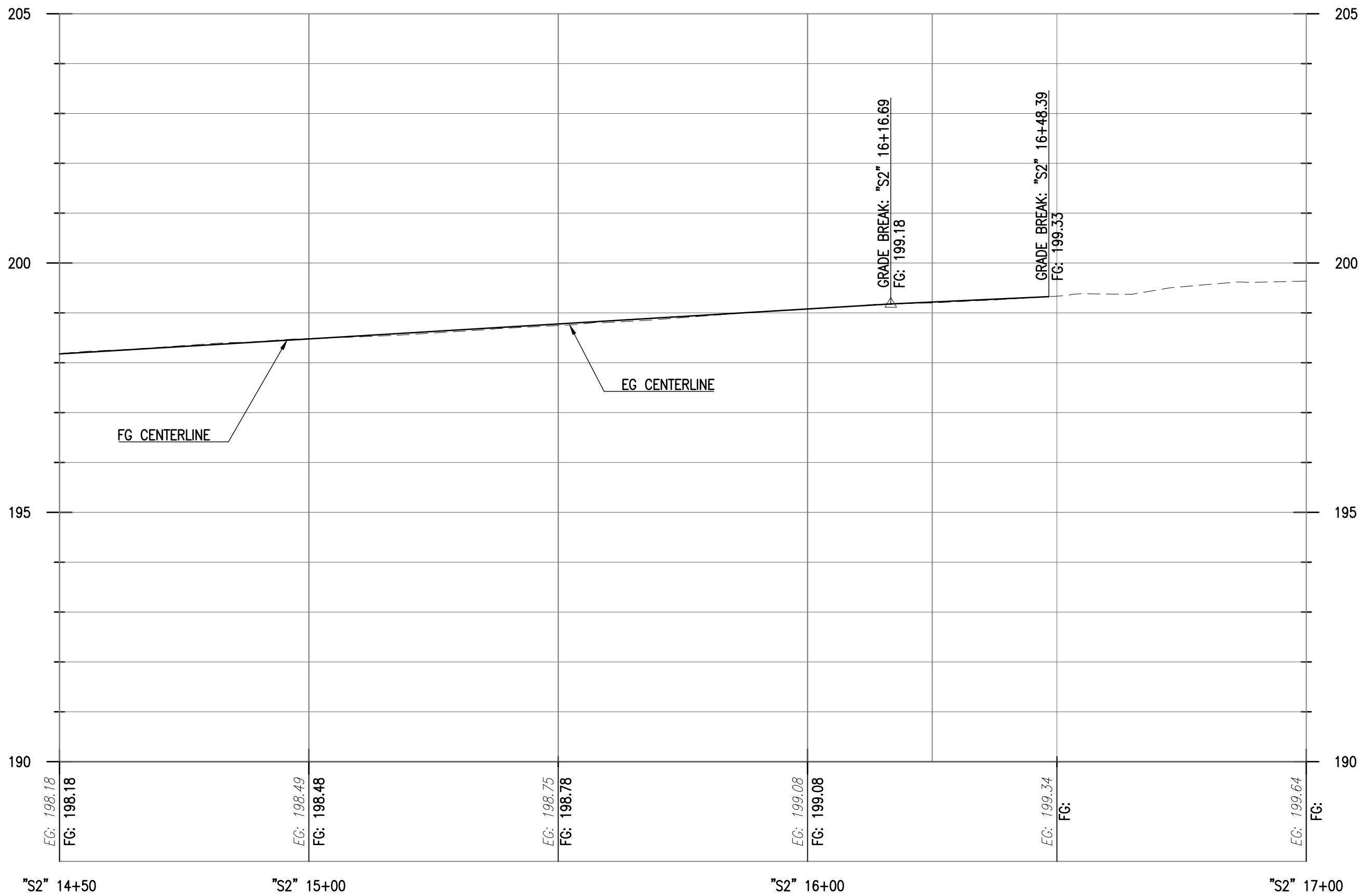
ANCE
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No.	Date	Revision	By

PROJECT NO: 644.04.55	DESIGNED BY: PS	CHECKED BY: PS	CHECK DATE: 02/05/2025
SCALE: AS NOTED	DRAWN BY: PS	SUBMITTAL DATE: 07/18/2025	

CITY OF SANTA ROSA SONOMA AVENUE - PAVEMENT REHABILITATION FARMERS LN TO HAHMAN DR	CONTRACT NO. C02261
PROFILE PLAN "S2" 11+00 TO "S2" 14+50	SHEET 8 OF 20
	FILE NO. 2023-0015

File: P:\Active Projects\Santa Rosa - 644\644.04.25 - Sonoma Ave Rehab-Formers Ln to Hahman Dr\04\Drawings\04-C1-Sonoma Avenue.dwg | Layout: 9 | Printed Jul 15, 2025 @ 2:51pm | 10'x24" (11'x10' sheet) | 10'x24" (11'x10' sheet)



SCALE:
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 1'

**ISSUED
FOR BIDS**
DATE: 07-18-2025

811
Know what's below.
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UNDERGROUND SERVICE ALERT
800-642-2444
TWO WORKING DAYS BEFORE ALL
PLANNED WORK OPERATIONS

CITY OF SANTA ROSA
SONOMA AVENUE - PAVEMENT REHABILITATION
FARMERS LN TO HAHMAN DR
CONTRACT NO. C02261
SHEET 9 OF 20
FILE NO. 2023-0015

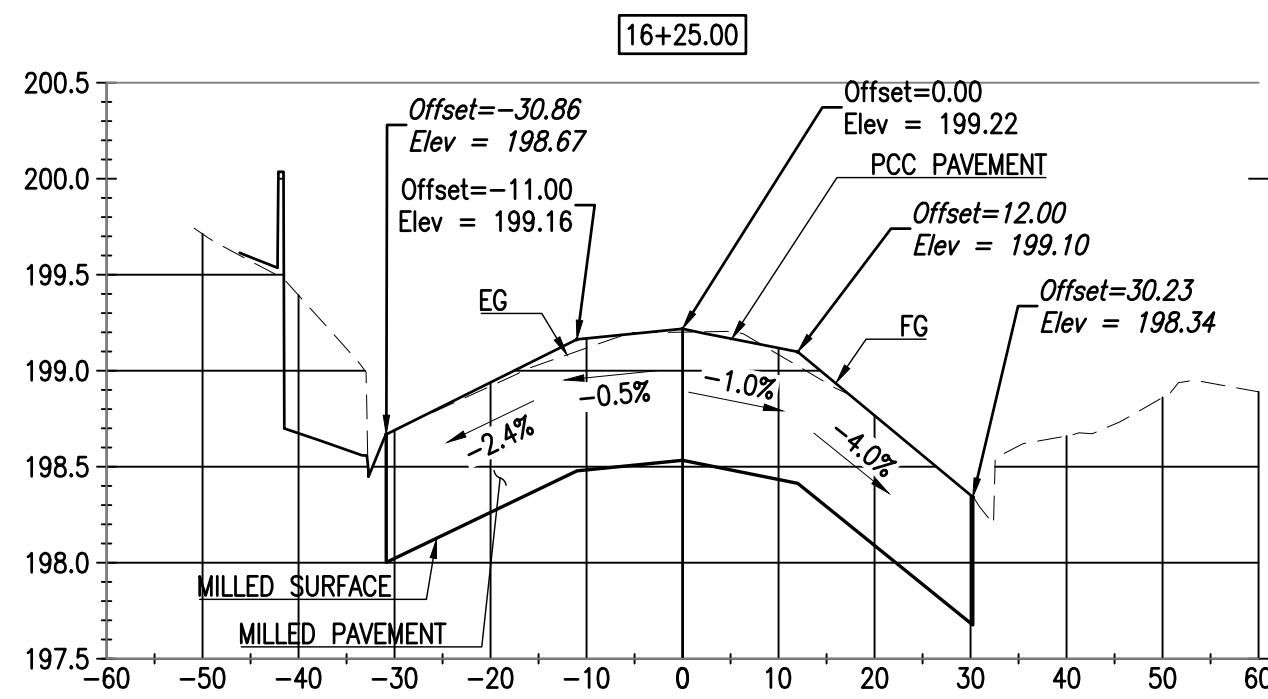
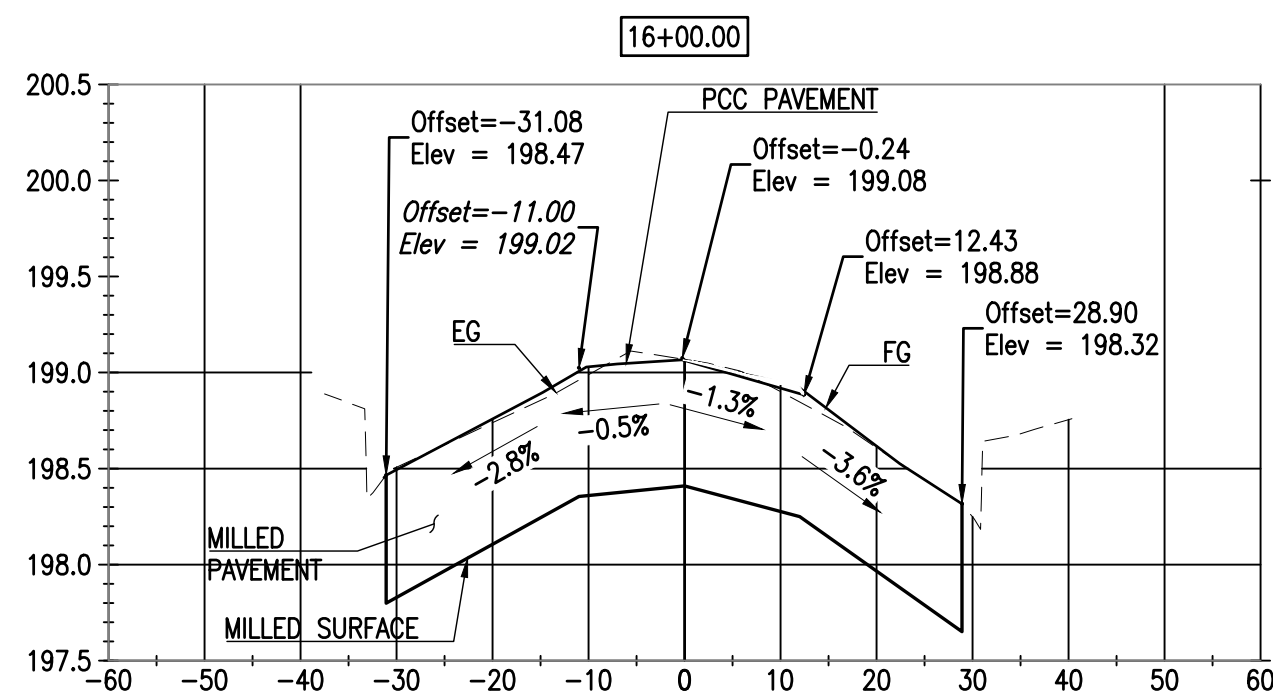
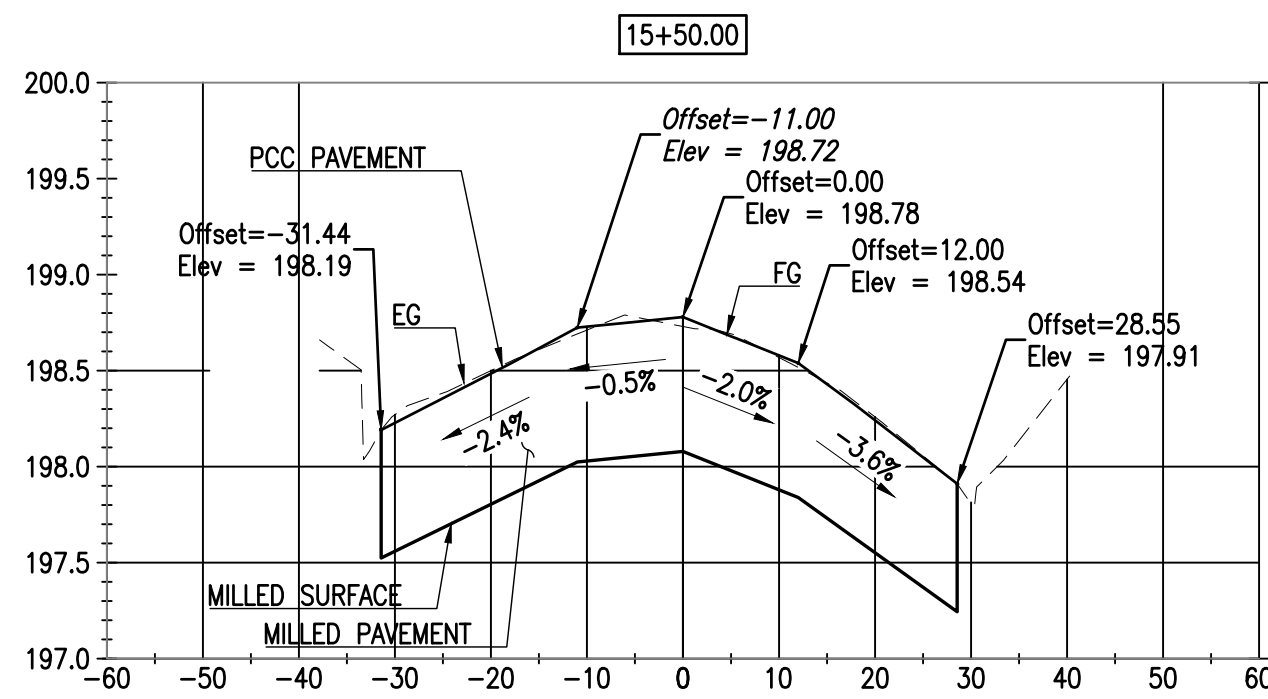
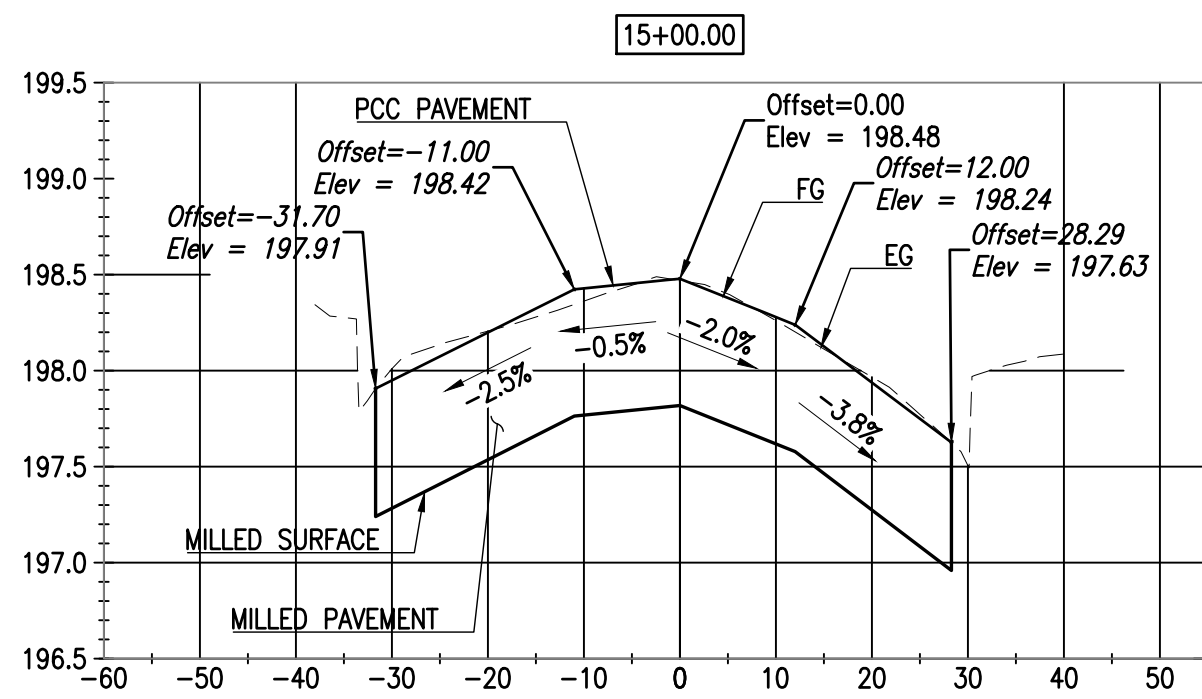
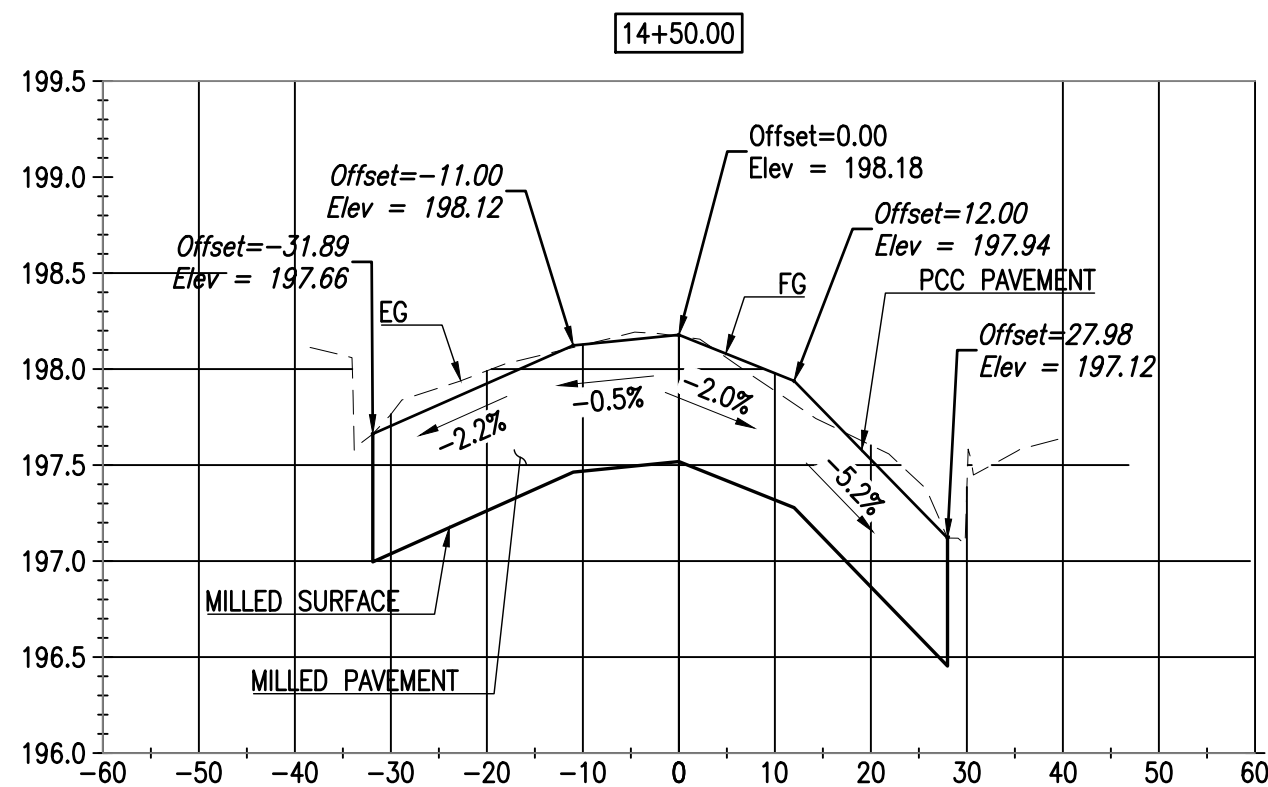
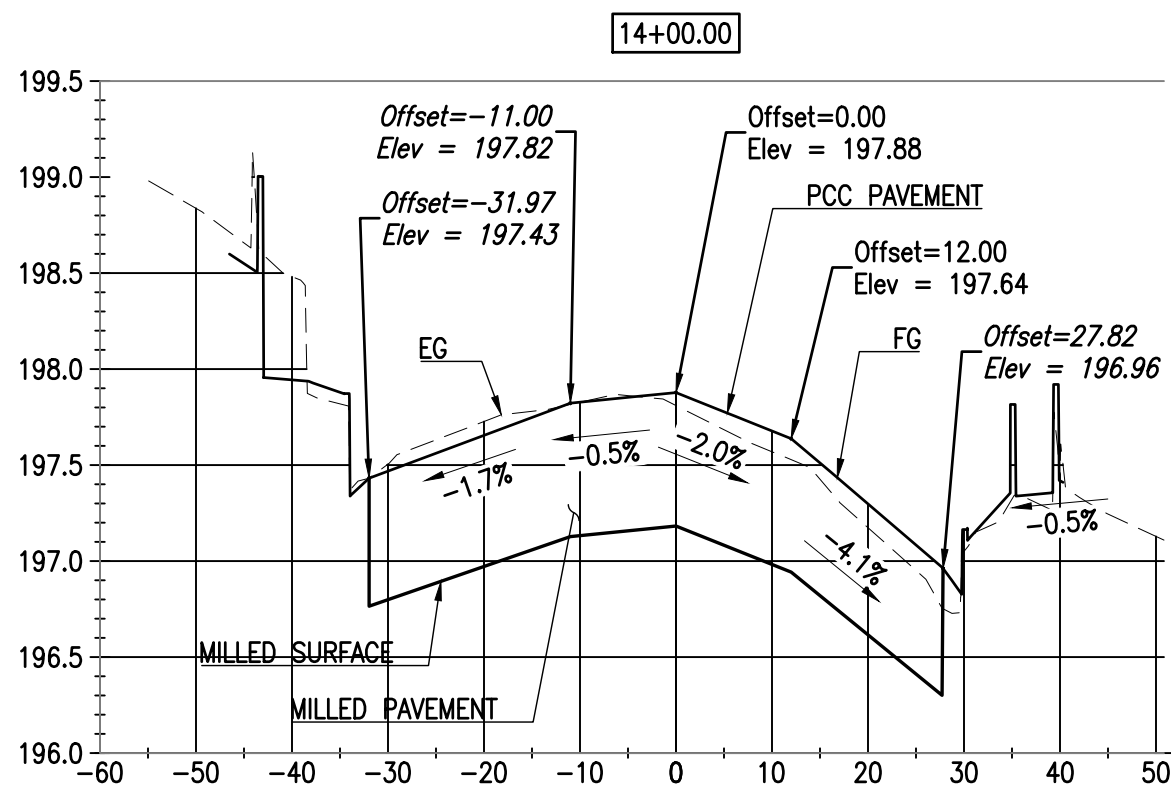
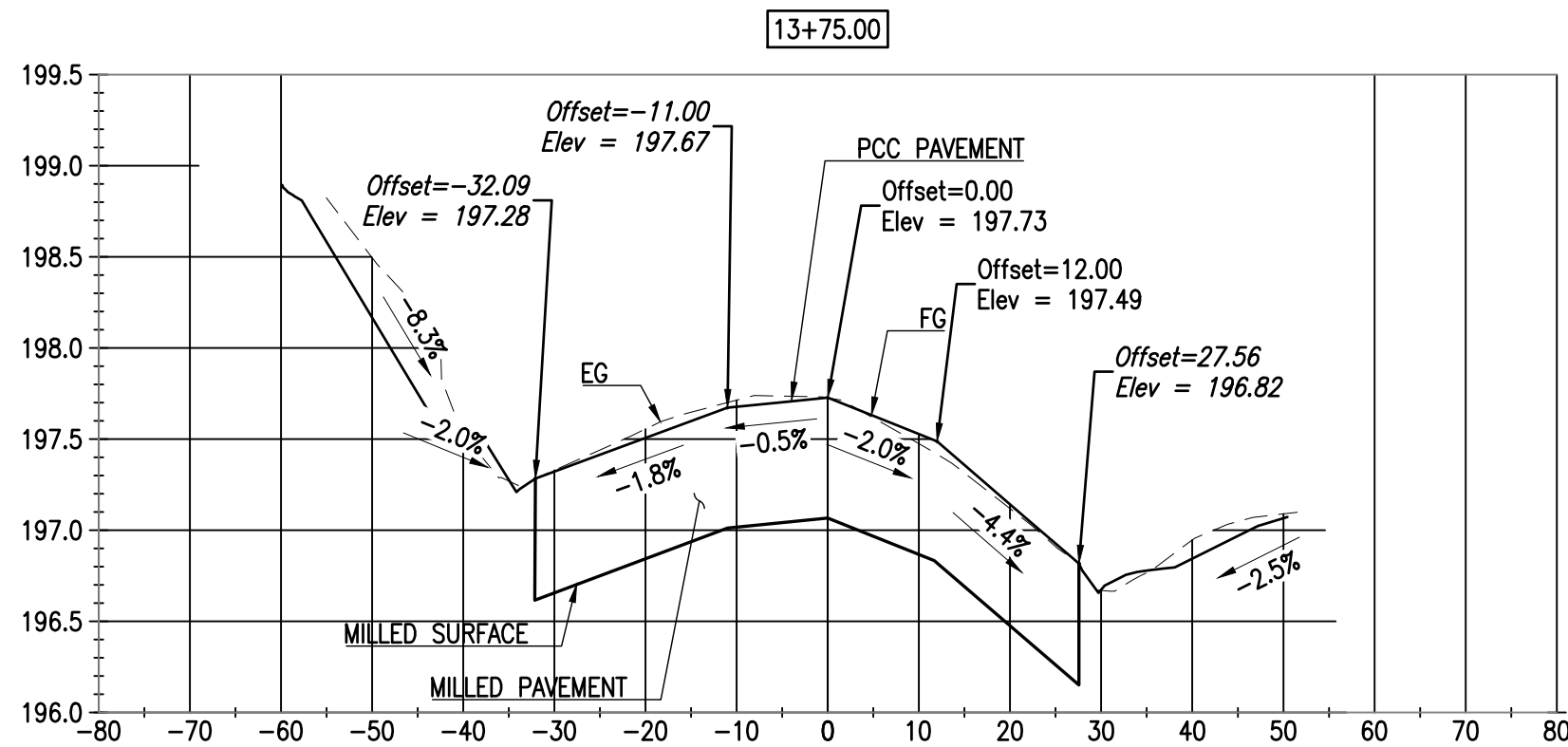
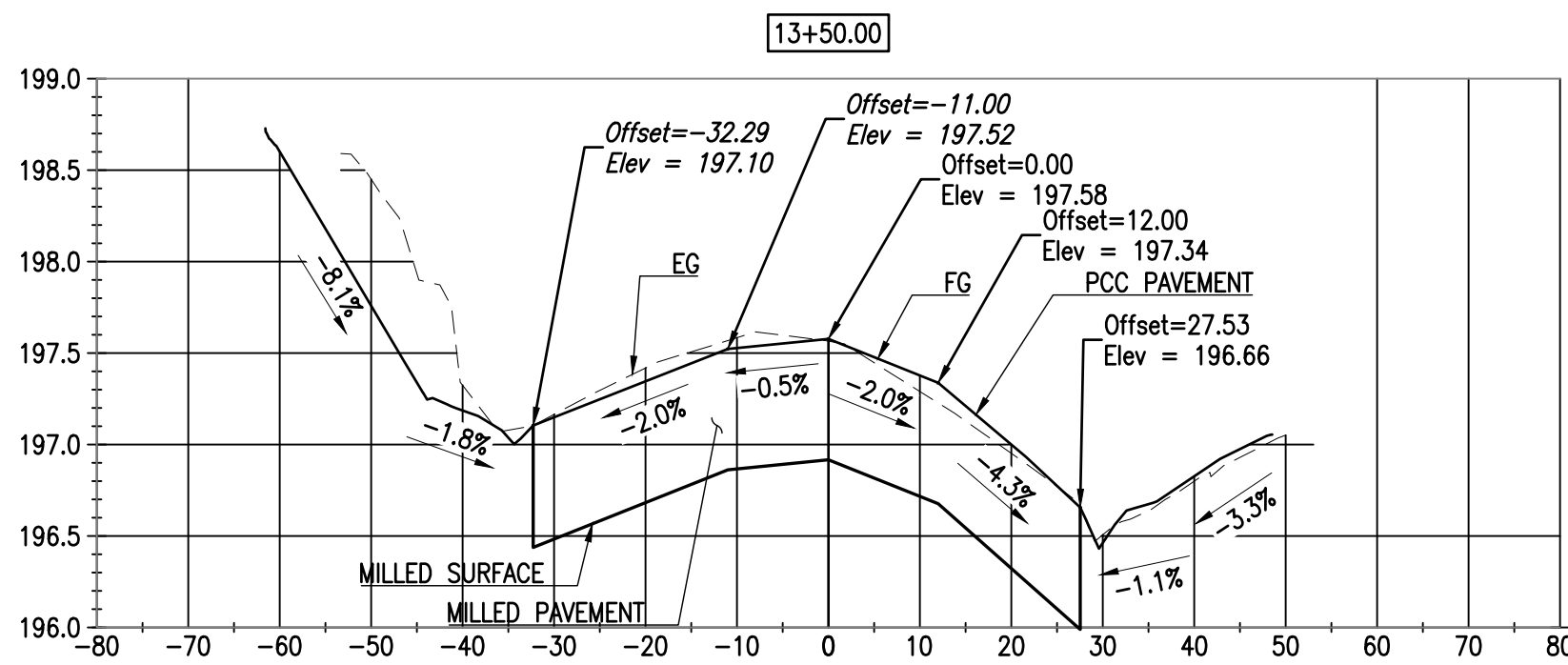
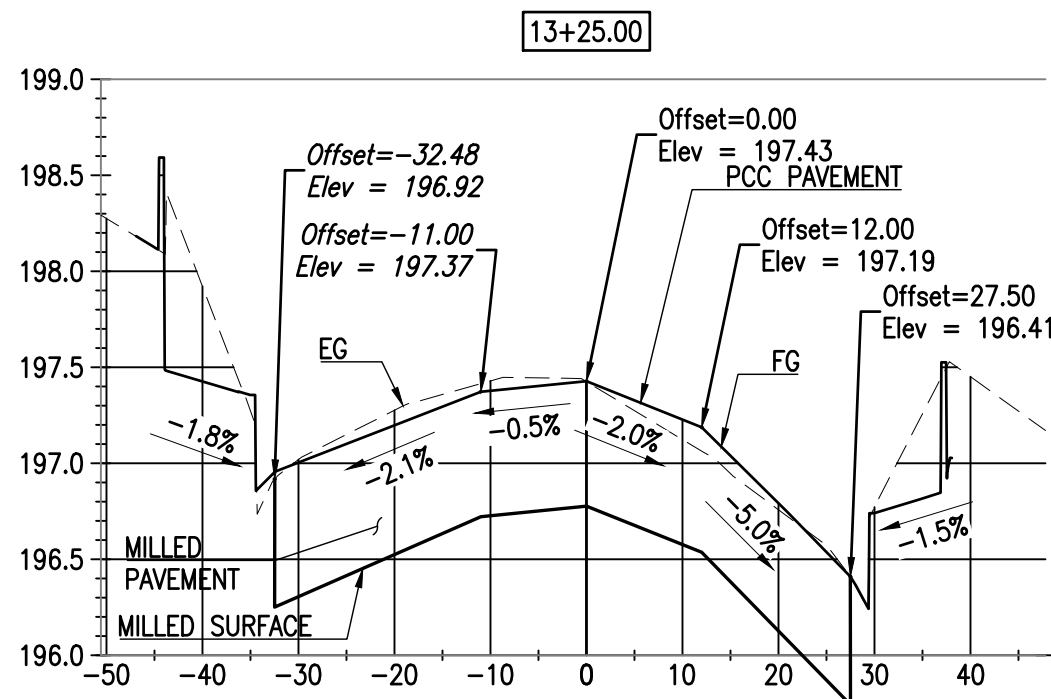
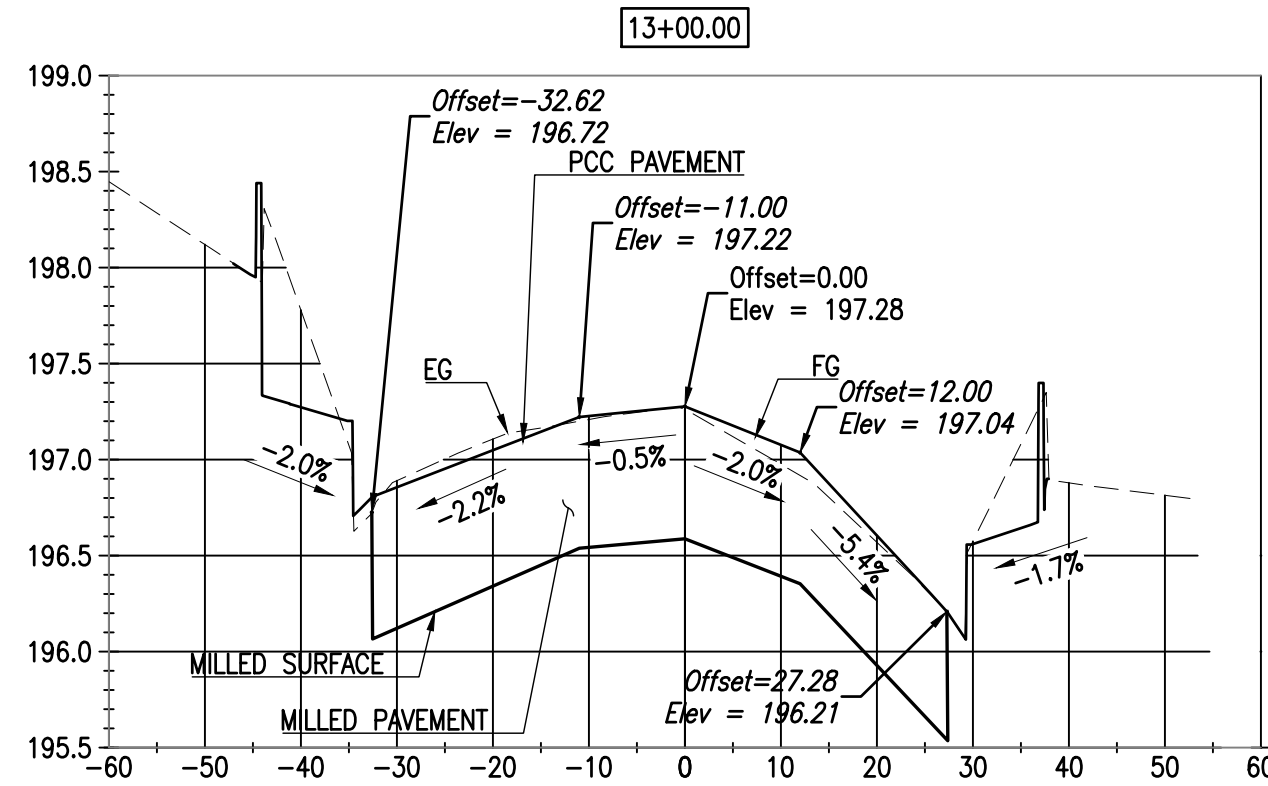
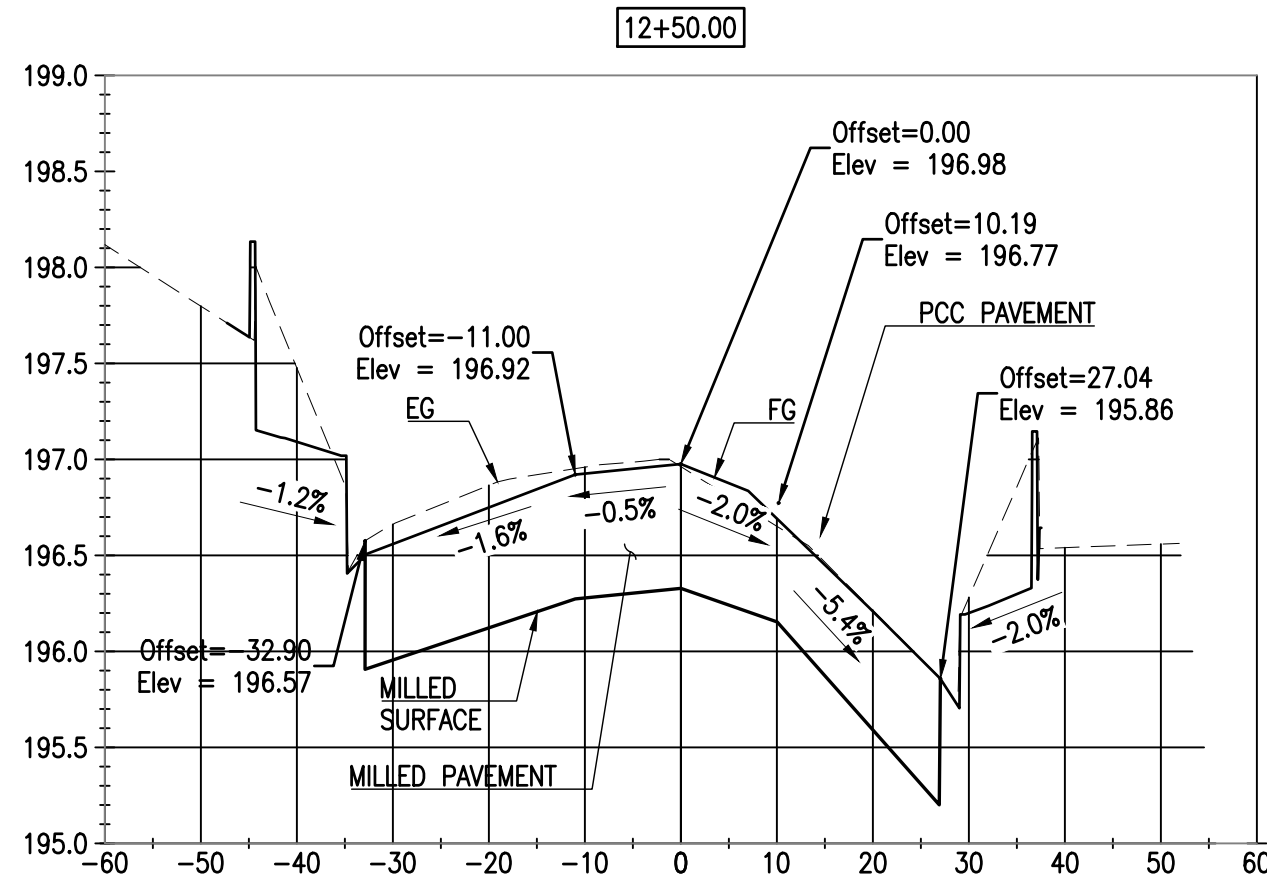
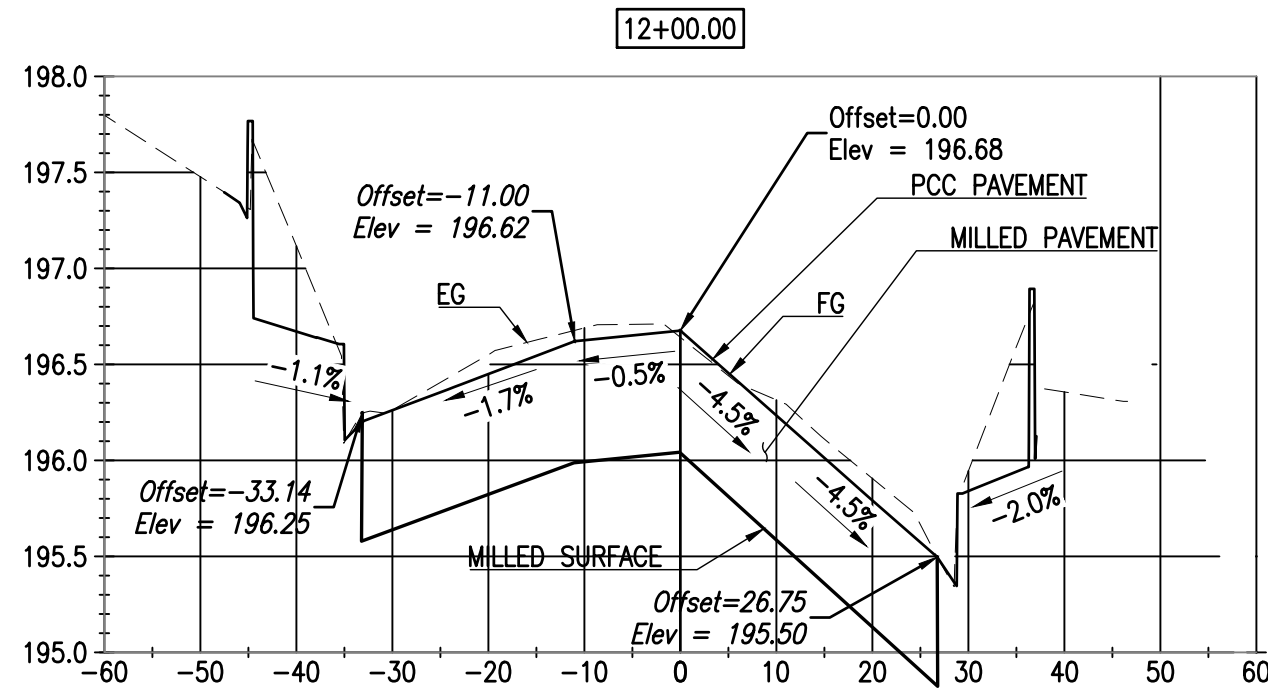
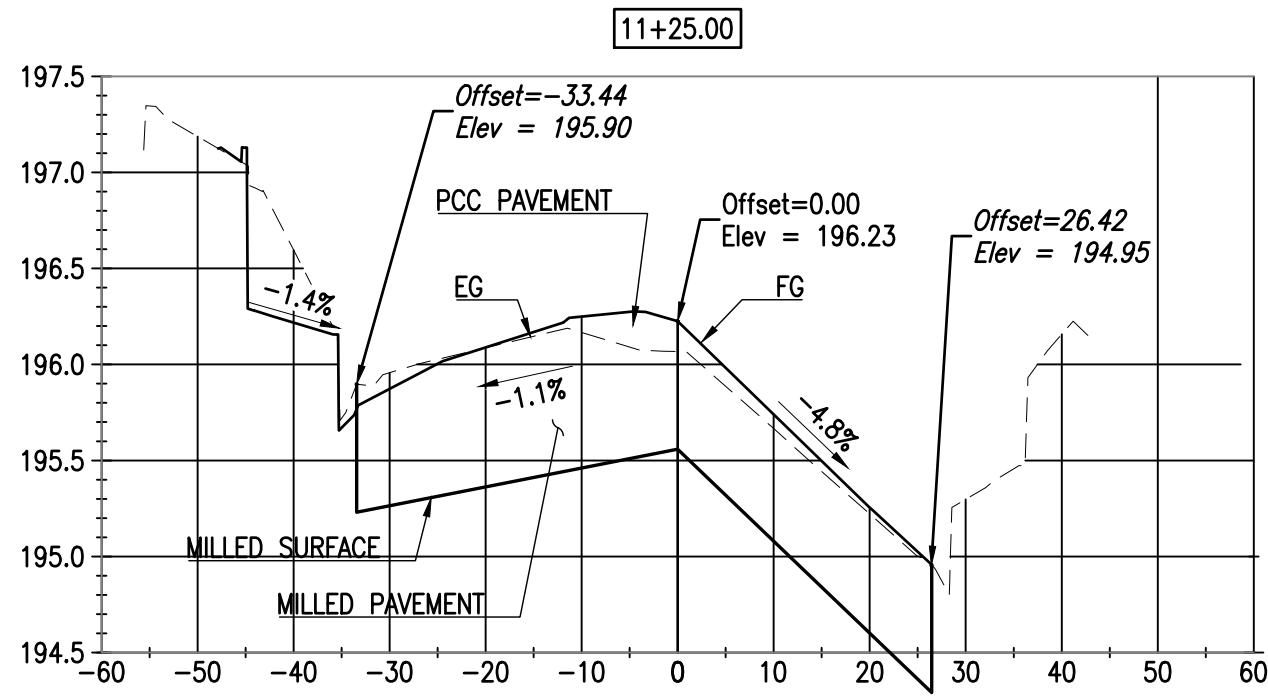
PROJECT NO: 644.04.55
SCALE: AS NOTED
DESIGNED BY: PS
DRAWN BY: PS
CHECKED BY: PS
SUBMITTAL DATE: 07/18/2025
CHECK DATE: 07/05/2025

No.	Date	Revision	By

NCE
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Richmond, Ca 94804
(510) 215-3620 • Fax (510) 215-2898

REGISTERED PROFESSIONAL ENGINEER
JIM BUI
NO. C 86467
CIVIL
STATE OF CALIFORNIA
7/17/25

File: P:\Active Projects\Santa Rosa - 644\644.04.55 - Sonoma Ave Rehab-Formers Ln to Hahman Dr\Drawings\16+00.00.dwg | Layout: 10 | Printed Jul 18, 2025 @ 11:39am | D:\PSA\16+00.dwg (US Feet)



SCALE:
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 1'

**ISSUED
FOR BIDS**
DATE: 07-18-2025



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Call before you dig.**
BEFORE EXCAVATING CALL U.S.A.
UNDERGROUND SERVICE ALERT
800-642-2444
TWO WORKING DAYS BEFORE ALL
PLANNED WORK OPERATIONS

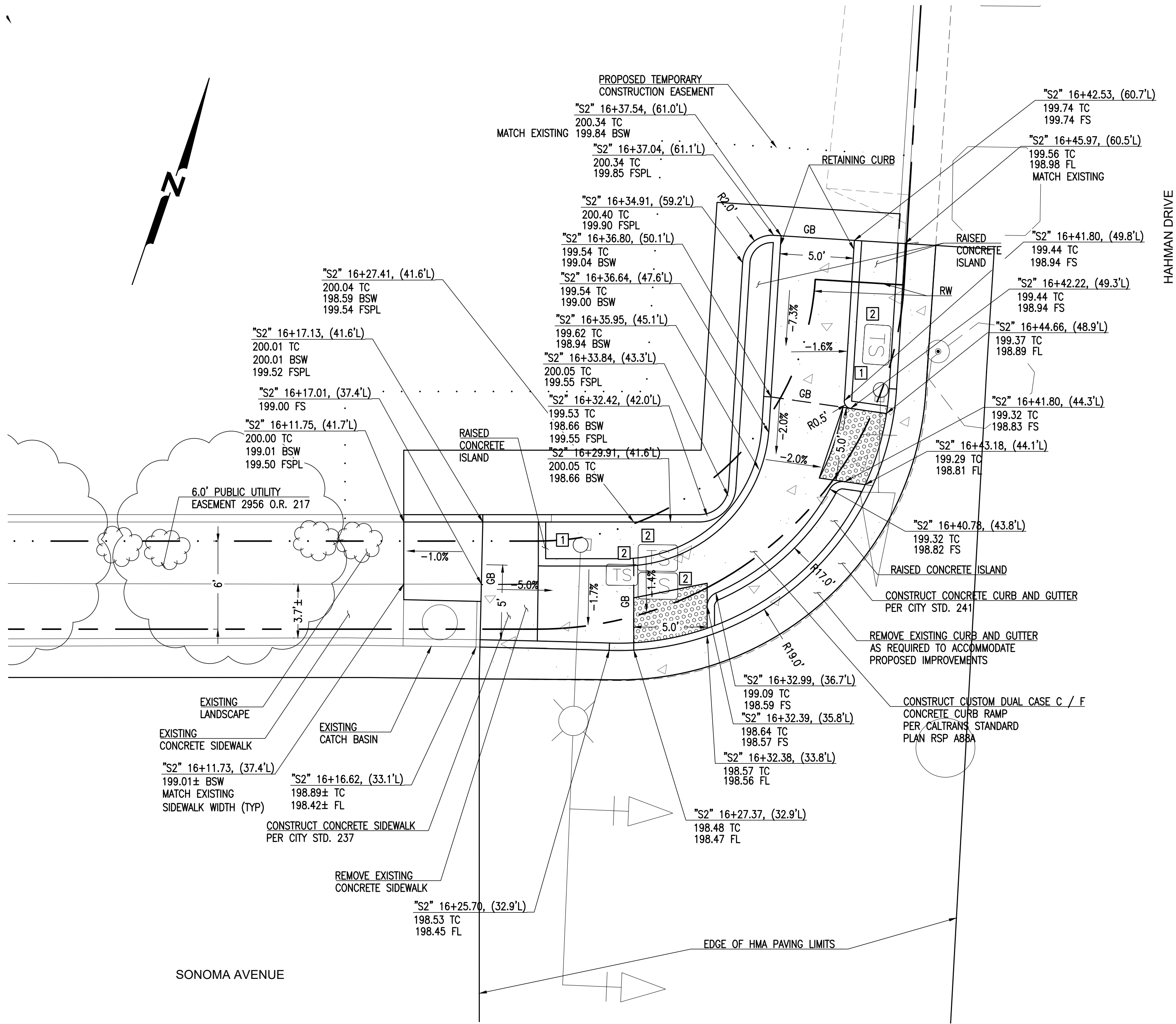


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PROJECT NO: 644-04.55
SCALE: AS NOTED
DESIGNED BY: PS
CHECKED BY: PS
DATE: 02/05/2025
SUBMITTAL DATE: 07/18/2025

CITY OF SANTA ROSA
SONOMA AVENUE - PAVEMENT REHABILITATION
FARMERS LN TO HAHMAN DR
PAVEMENT CROSS SECTIONS
CONTRACT NO. C02261
SHEET 10 OF 20
FILE NO. 2023-0015

File: P:\Active Projects\Santa Rosa - 644\644.04.25 - Sonoma Ave Rehab- Farmers Ln to Hahman Dr\04\Sheets\06 D1 Sonoma Avenue.dwg | Layout: 12 | Printed Jul 18, 2025 @ 8:53am | 0/52.21 x (LWS: inch)



5 CURB RAMP DETAIL
12 SCALE: 1" = 5'

- KEYNOTES:
- 1 TRAFFIC SIGNAL POLE; PROTECT POLE AND FOUNDATION IN PLACE.
 - 2 TRAFFIC SIGNAL PULL BOX; RELOCATE AWAY FROM VERTICAL CURB AND ADA TACTIL DOME SURFACE

ISSUED
FOR BIDS
DATE: 07-18-2025

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800-642-2444
TWO WORKING DAYS BEFORE ALL
PLANNED WORK OPERATIONS



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No.	Date	Revision	By

PROJECT NO: 644.04.55	DESIGNED BY: PS	CHECKED BY: PS	CHECK DATE: 02/05/2025
SCALE: AS NOTED	DRAWN BY: PS	SUBMITTAL DATE: 07/18/2025	

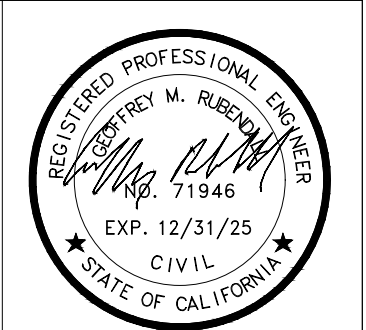
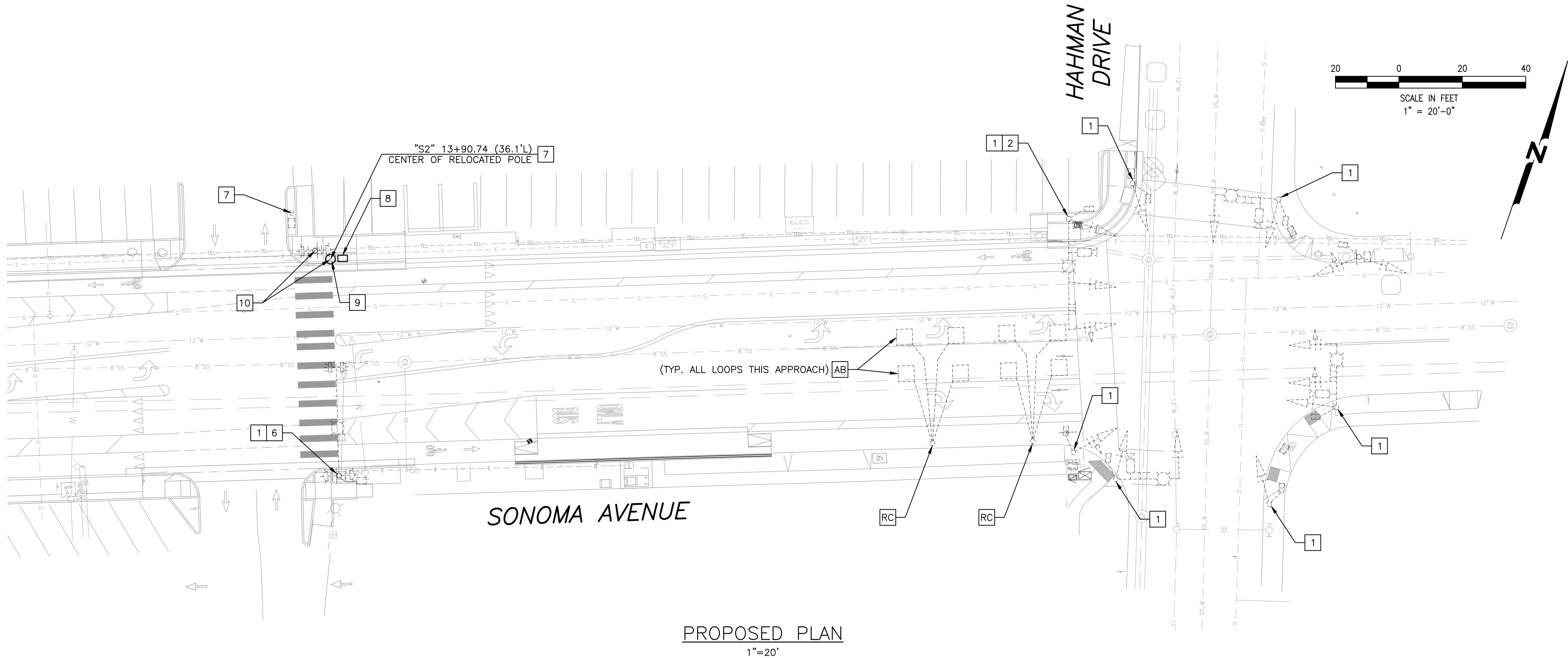
CITY OF SANTA ROSA SONOMA AVENUE - PAVEMENT REHABILITATION FARMERS LN TO HAHMAN DR	CONTRACT NO. C02261
CURB RAMP DETAILS	SHEET 12 OF 20
	FILE NO. 2023-0015

GENERAL NOTES:

- EXISTING PULL BOXES ARE DIAGRAMMATIC ONLY.
- CONTRACTOR SHALL PROTECT IN PLACE ALL EXISTING CONDUITS AND CONDUCTORS UNLESS OTHERWISE NOTED ON THESE PLANS.

PROJECT NOTES (THIS SHEET ONLY):

- ADJUST PEDESTRIAN PUSH BUTTON TO 42" ABOVE FINISHED GRADE OF ADJACENT SIDEWALK
- FURNISH AND INSTALL TYPE 2 POST PER CALTRANS STANDARD PLAN ES-7A
- FURNISH AND INSTALL 2"C, 3#14 (SIGNAL)
- RELOCATE PEDESTRIAN PUSH BUTTON ASSEMBLY FROM EXISTING POLE TO NEW TYPE 2 POST
- INSTALL PULL BOX IN EXISTING CONDUIT RUN. SPLICE NEW TO EXISTING CONDUCTORS
- INSTALL PUSH BUTTON EXTENSION ARM SUCH THAT PUSH BUTTON IS LESS THAN 10" FROM THE ADJACENT LEVEL LANDING
- PROTECT IN PLACE EXISTING LIGHT TO REMAIN.
- INSTALL NEW NO. 5 PULL BOX. INSTALL 2"C AND CONDUCTORS FROM EXISTING PULL BOX TO PROPOSED PULL BOX TO MAINTAIN FLASHING BEACON IS OPERATIONAL AT ALL TIMES.
- INSTALL FOUNDATION FOR CALTRANS TYPE 1B POLE, PER CALTRANS STANDARD PLAN ES-7B. BASE PLATE TO ALLOW FOR INSTALLATION OF EXISTING FLASHING BEACON POLE ON NEW FOUNDATION. INSTALL 2"C TO ADJACENT NEW NO. 5 PULLBOX.
- RELOCATE EXISTING FLASHING BEACON POLE AND EQUIPMENT ONTO NEW FOUNDATION. SPLICE CONDUCTORS. ABANDON EXISTING FOUNDATION 6" BELOW GRADE.



Fehr & Peers
Petaluma, CA 94952
(707) 582-0039
140 Keller St

No.	Date	Revision	By

PROJECT NO: 2023-04-04-55	DESIGNED BY: EG	CHECKED BY: GR	CHECK DATE: 07/16/2025
SCALE: AS NOTED	DRAWN BY: EG	SUBMITTAL DATE: 07/18/2025	

CITY OF SANTA ROSA
SONOMA AVENUE - PAVEMENT REHABILITATION
FARMERS LN TO HAHMAN DR
SIGNAL AND LIGHTING
MODIFICATION PLAN

CONTRACT NO. C02261
SHEET 13 OF 20
FILE NO. 2023-0015

GENERAL NOTES (THIS SHEET ONLY)

1. ALL CONSTRUCTION AREA SIGN WORK SHALL MEET CALTRANS STANDARD SPECIFICATIONS 2022, CALTRANS STANDARD PLANS CURRENT AS OF THE DATE OF THESE PLANS, AND APPLICABLE CITY STANDARDS.
2. EXACT LOCATION AND POSITION OF CONSTRUCTION AREA SIGNS SHALL BE DETERMINED BY THE ENGINEER.
3. SIGNS AND CMS BOARDS SHOWN ON THIS PLAN SHALL BE IN PLACE FOR THE DURATION OF CONSTRUCTION UNLESS OTHERWISE APPROVED BY CITY ENGINEER.
4. ADDITIONAL CONSTRUCTION AREA SIGNS SHOWN ON OTHER PLAN SHEETS.

LEGEND (THIS SHEET ONLY)

- No.

CONSTRUCTION AREA SIGN NUMBER
- A

CHANGEABLE MESSAGE SIGN (CMS)
- DIRECTION OF TRAVEL
- WORK ZONE
- SIGN
- DELINEATOR (28 INCHES HIGH CONE UNLESS OTHERWISE NOTED)
- CHANGEABLE MESSAGE SIGN

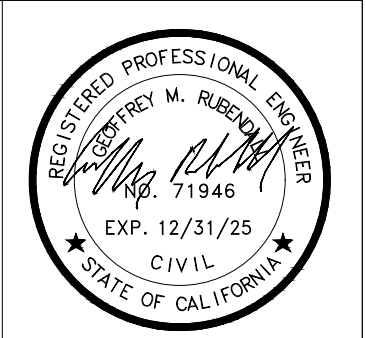


STATIONARY MOUNTED CONSTRUCTION AREA SIGNS

SIGN No.	No.	SIGN DESIGNATION	PANEL SIZE	SIGN MESSAGE	NUMBER OF POSTS AND SIZE	NUMBER OF SIGNS
1		W20-1	36" X 36"	ROAD WORK AHEAD	1 - 4" X 6"	4
2		G20-2	36" X 18"	END ROAD WORK	1 - 4" X 4"	4

PCMS SIGN

PCMS No.	MESSAGE
A	ROAD WORK AHEAD



Fehr & Peers
140 Keller St
Petaluma, CA 94952
(707) 582-0039

No.	Date	Revision	By

PROJECT NO: 644.04.55	DESIGNED BY: EG/GR	CHECKED BY: EG/GR	CHECK DATE: 07/16/2025
SCALE: AS NOTED	DRAWN BY: EG	SUBMITTAL DATE: 07/18/2025	

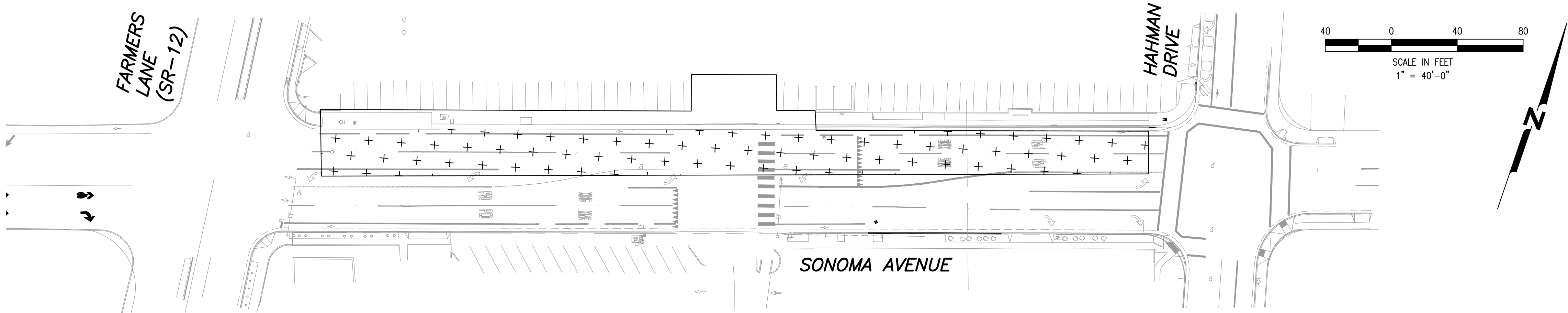
CITY OF SANTA ROSA SONOMA AVENUE - PAVEMENT REHABILITATION FARMERS LN TO HAHMAN DR	CONSTRUCTION AREA SIGNS
--	-------------------------

CONTRACT NO. C02261
SHEET 14 OF 20
FILE NO. 2023-0015

File: C:\pbox\Box\Projects\SR-Projects\2021-Projects\SR21-1203_Sonoma Avenue\SE\CAD\Package 2_Former-Hahman\Final_Submitted\203_Former-Hahman-TCP.dwg | Layout: 2_StageConstruction | Printed Jul 17, 2025 @ 3:47pm | 10 gr 24.3s (MS Tech)

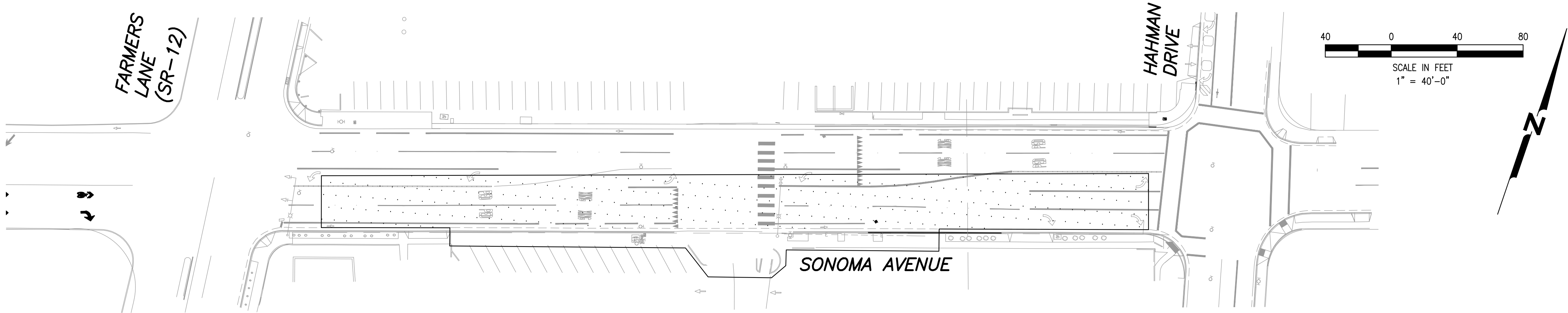
GENERAL NOTES (THIS SHEET ONLY)

1. ALL STAGE CONSTRUCTION WORK SHALL MEET CALTRANS STANDARD SPECIFICATIONS 2022, CALTRANS STANDARD PLANS CURRENT AS OF THE DATE OF THESE PLANS, AND APPLICABLE CITY STANDARDS.
2. ANY MODIFICATIONS TO THE TEMPORARY TRAFFIC CONTROL DEVICE AS SHOWN IN THESE PLANS MUST BE REVIEWED AND APPROVED IN WRITING BY THE CITY ENGINEER WITH CONCURRENCE FROM CALTRANS ENGINEER WHERE APPLICABLE.
3. TO THE EXTENT POSSIBLE, WORK SHALL BE SEQUENCED TO LIMIT THE DISRUPTION TO TRAFFIC AND THE NEIGHBORING COMMUNITY. CONTRACTOR SHALL COMPLY WITH CITY AND CALTRANS REQUIREMENTS ABOUT ADVANCE NOTIFICATION FOR TEMPORARY TRAFFIC CONTROL, LANE CLOSURES, DETOURS, AND RELATED WORK.
4. CONTRACTOR SHALL COORDINATE WITH CITY AND SANTA ROSA CITYBUS TO FACILITATE TEMPORARY RELOCATION OF BUS STOPS IF DEEMED APPROPRIATE BY CITY AND SANTA ROSA CITYBUS STAFF.



STAGE 1

Northern sidewalk and northern half of roadway



STAGE 2

Southern sidewalk and southern half of roadway

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FOR BIDS
DATE: 07-18-2025



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No.	Date	Revision	By

PROJECT NO: 44-04.55	DESIGNED BY: EG/GR	CHECKED BY: EG/GR	CHECK DATE: 07/16/2025
SCALE: AS NOTED	DRAWN BY: EG	SUBMITTAL DATE: 07/18/2025	

CITY OF SANTA ROSA SONOMA AVENUE - PAVEMENT REHABILITATION FARMERS LN TO HAHMAN DR	STAGE CONSTRUCTION
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CONTRACT NO. C02261
SHEET 15 OF 20
FILE NO. 2023-0015

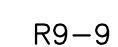
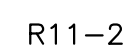
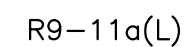
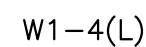
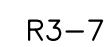
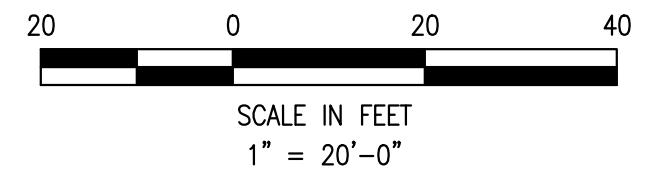
1. SEE SHEET 12 FOR GENERAL NOTES AND LEGEND

SHIFT TAPER No. 2 (EASTBOUND STAGE 2)

SHIFT TAPER (L/2)
L = $WV^2/60$
W = 21.5 FT
V = 25 MPH

EASTBOUND SHIFT TAPER = 112 FT (120 FT PROVIDED)

- 1 REMOVE TYPE VI ARROWS AND TRAFFIC STRIPE
- 2 INSTALL TYPE 4(L) ARROW FOR REALIGNED LEFT TURN LANE
- 3 INSTALL WHITE TRAFFIC STRIPES TO FACILITATE LANE SHIFT
- 4 REPROGRAM VIDEO DETECTION FOR THIS APPROACH
- 5 PLACE CONES (28 INCH HIGH) AT 20 FT O.C.



Fehr & Peers

140 Keller St
Petaluma, CA 94952
(707) 582-0039

[illegible]

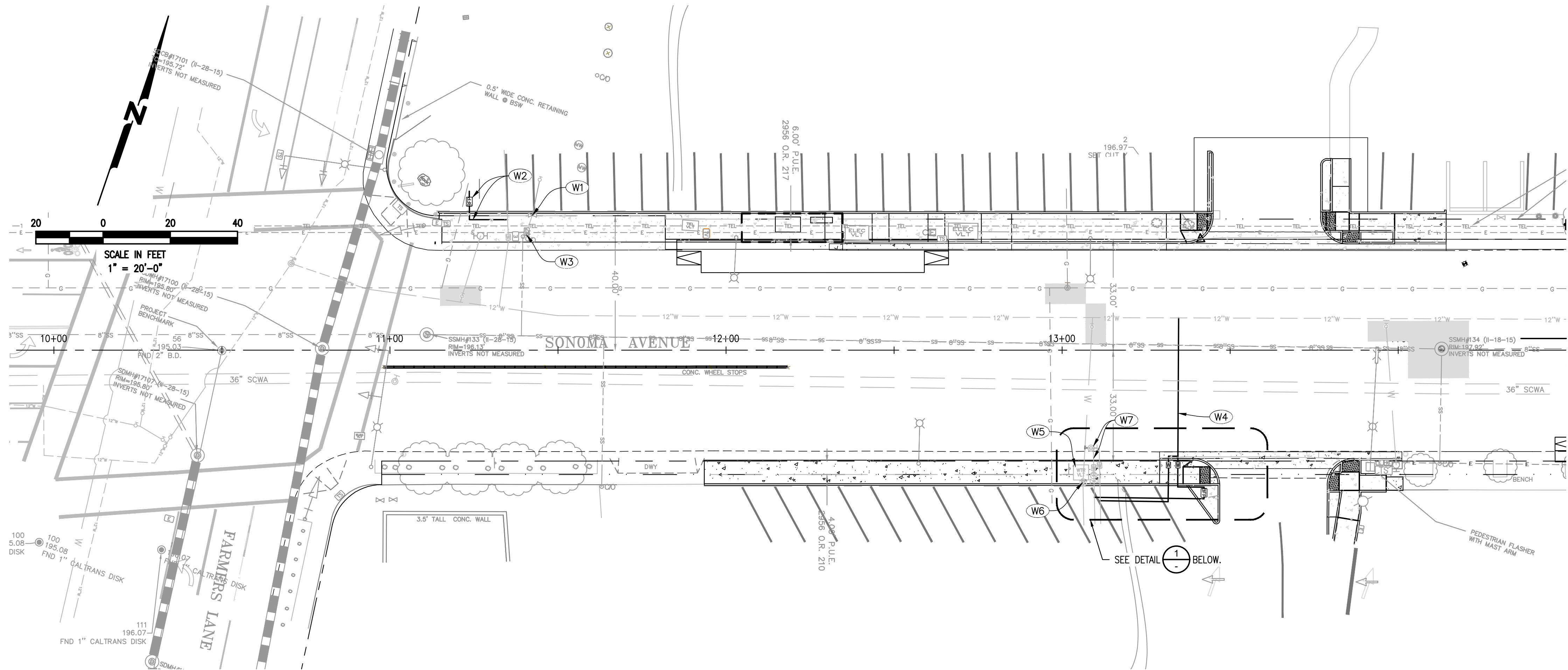
PROJECT NO:	DESIGNED BY:	CHECKED BY:	CHECK DATE:
644.04.55	EG/GR	GR	07/16/2025
SCALE:	DRAWN BY:	SUBMITTAL DATE:	
AS NOTED	EG	07/18/2025	

CITY OF SANTA ROSA
SONOMA AVENUE - PAVEMENT REHABILITATION
FARMERS LN TO HAHMAN DR

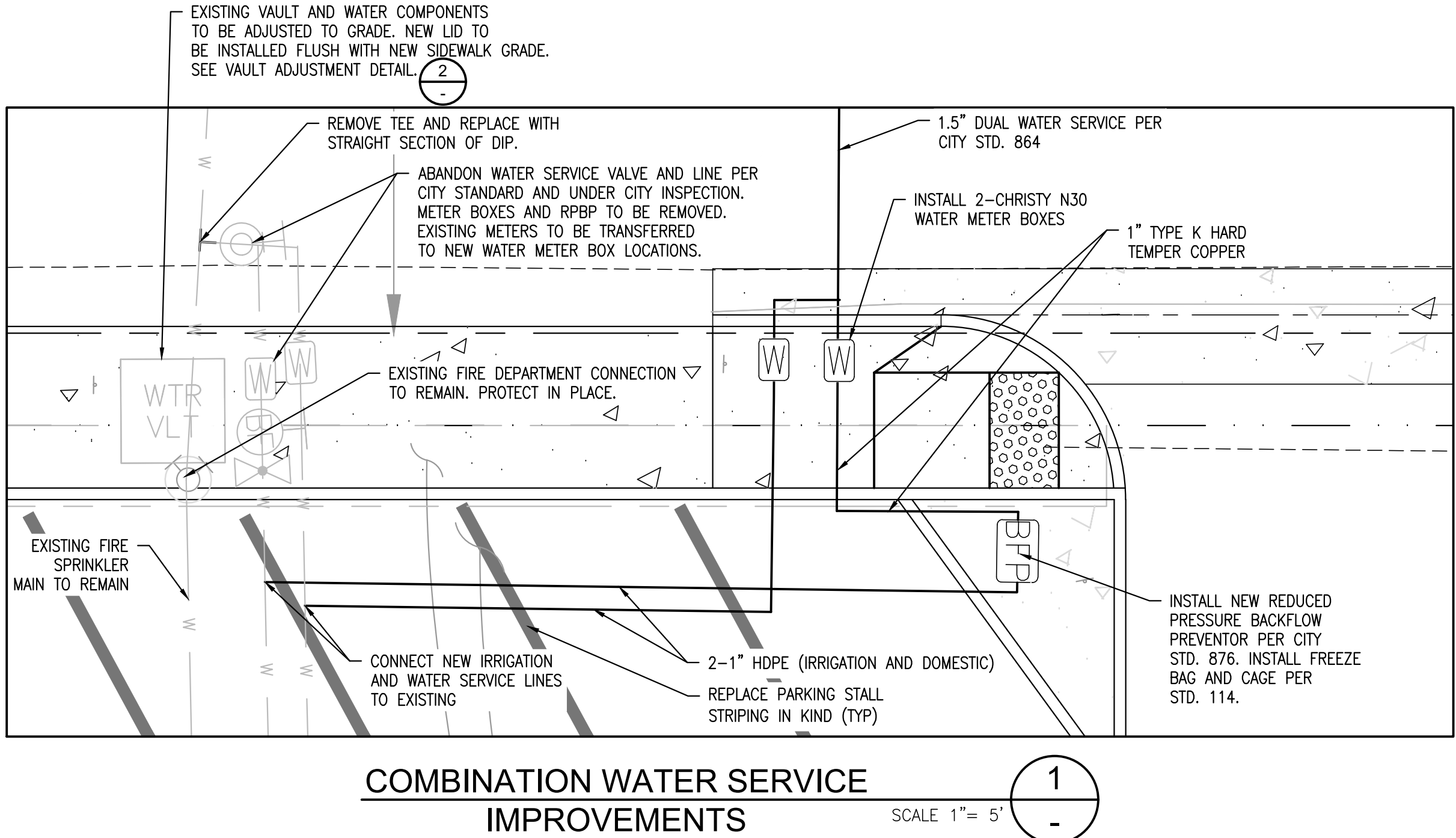
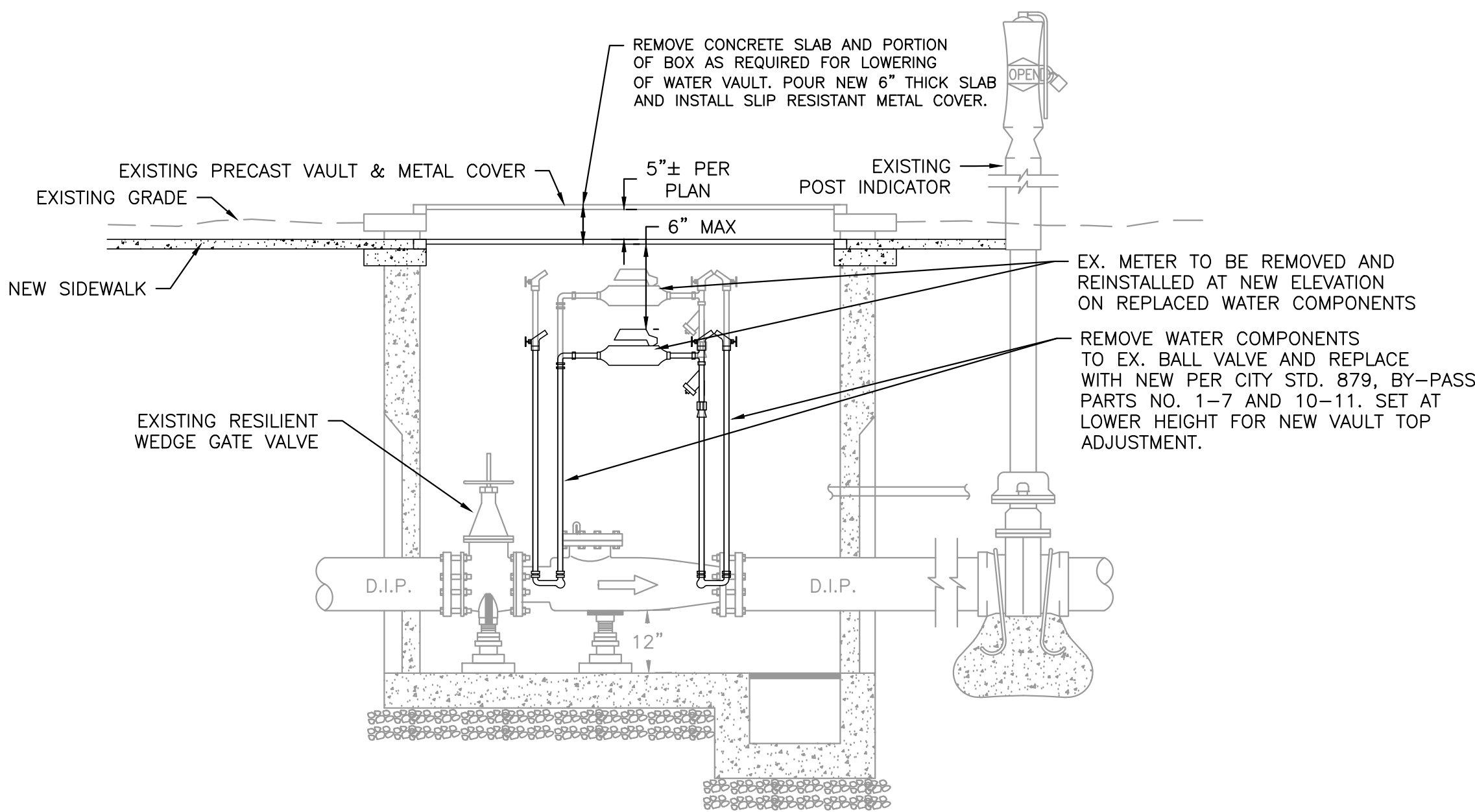
TRAFFIC HANDLING (STAGE 2)

CONTRACT NO. C02261
SHEET 17 OF 20
FILE NO. 2023-0015

File: F:\Civil 3D Projects\014845 Sonoma Ave Water Services Farmers-Hahman\DWG\014845-SP-JULY2025.dwg | Layout: 9 | Printed Jul 17, 2025 @ 10:20am | Dwg: 25.0a (LMS Test)



- CONSTRUCTION NOTES**
- W1 EXISTING WATER VALVE AND CONTROLLER TO BE REMOVED. SEE IRRIGATION SCHEMATIC PLANS.
 - W2 INSTALL IRRIGATION LINE AND REDUCED PRESSURE BACKFLOW PREVENTER. SEE IRRIGATION SCHEMATIC PLAN.
 - W3 EXISTING REDUCED PRESSURE BACKFLOW PREVENTER TO BE REMOVED. AND IRRIGATION LINE TO BE ABANDONED. SEE IRRIGATION SCHEMATIC PLAN.
 - W4 INSTALL 1.5" DUAL WATER SERVICE. SIMILAR TO CITY STD. 864.
 - W5 EXISTING VAULT TO BE ADJUSTED TO GRADE.
 - W6 EXISTING FIRE DEPARTMENT CONNECTION TO REMAIN. PROTECT IN PLACE.
 - W7 EXISTING WATER VALVE AND SERVICE TO BE ABANDONED. SEE DETAIL 1.



SINGLE CHECK DETECTOR
ADJUSTMENT DETAIL

2
-

COMBINATION WATER SERVICE
IMPROVEMENTS

1
-

ISSUED
FOR BIDS
DATE: 07-18-2025

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UNDERGROUND SERVICE ALERT
800-642-2444
TWO WORKING DAYS BEFORE ALL
PLANNED WORK OPERATIONS

PROJECT NO: 044-04-55
SCALE: AS NOTED

DESIGNED BY: HU
DRAWN BY: KS/PT/AJM

CHECKED BY: HU
SUBMITTAL DATE: 07/18/2025

CHECK DATE: 7/15/25

CITY OF SANTA ROSA

SONOMA AVENUE - PAVEMENT REHABILITATION

FARMERS LN TO HAHMAN DR

WATER SERVICE REPLACEMENT PLAN

CONTRACT NO. C02261

SHEET 18 OF 20

FILE NO. 2023-0015

COASTLAND | DCCM

1400 Sonoma Avenue
Santa Rosa, CA 95405
707.571.8005
coastlandcivil.com

PLANS PREPARED BY:
Heidi E. Utterback 7/17/25
HEIDI E. UTTERBACK DATE

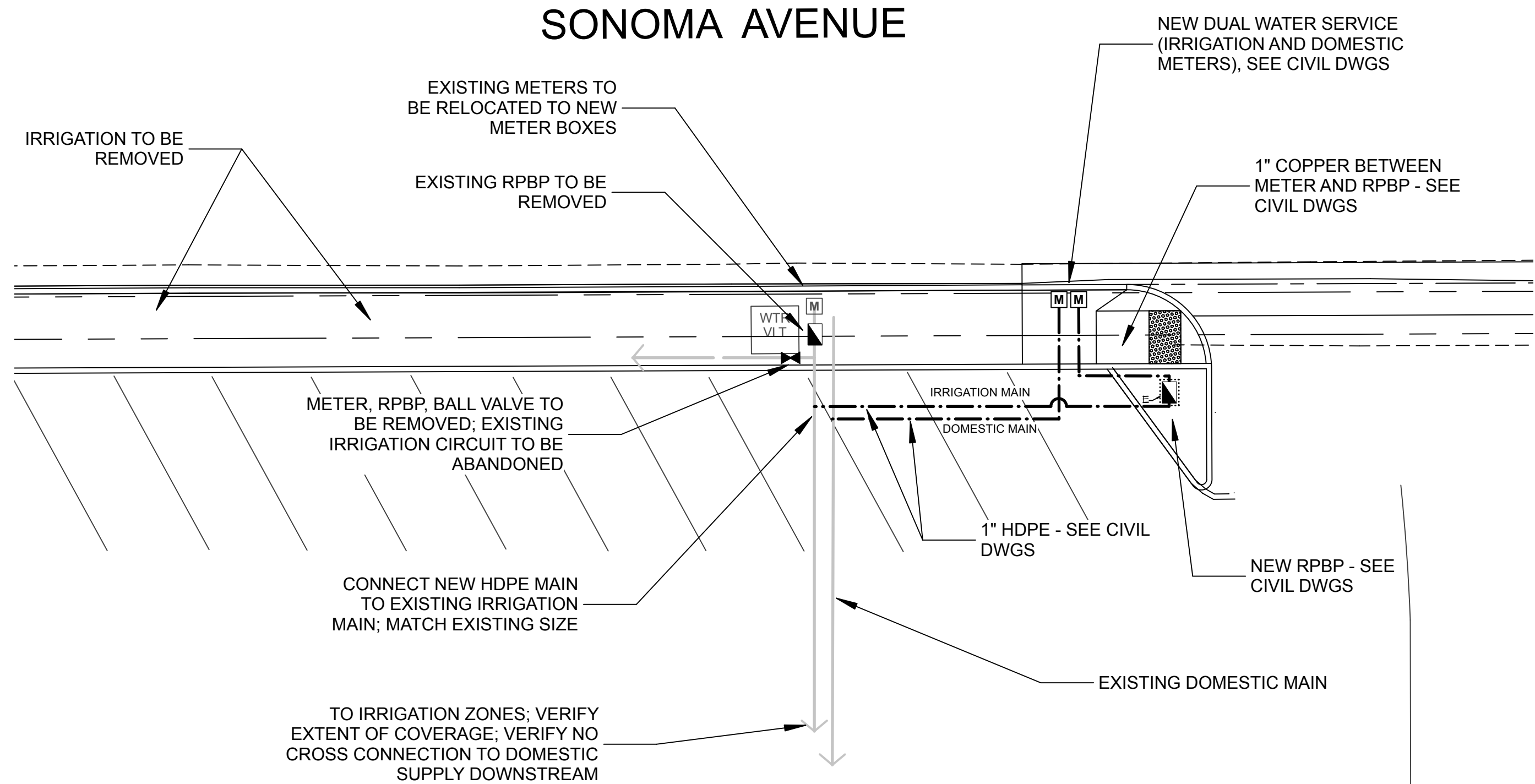
PROFESSIONAL ENGINEER
HEIDI E. UTTERBACK
No. 53723
CIVIL
STATE OF CALIFORNIA

By

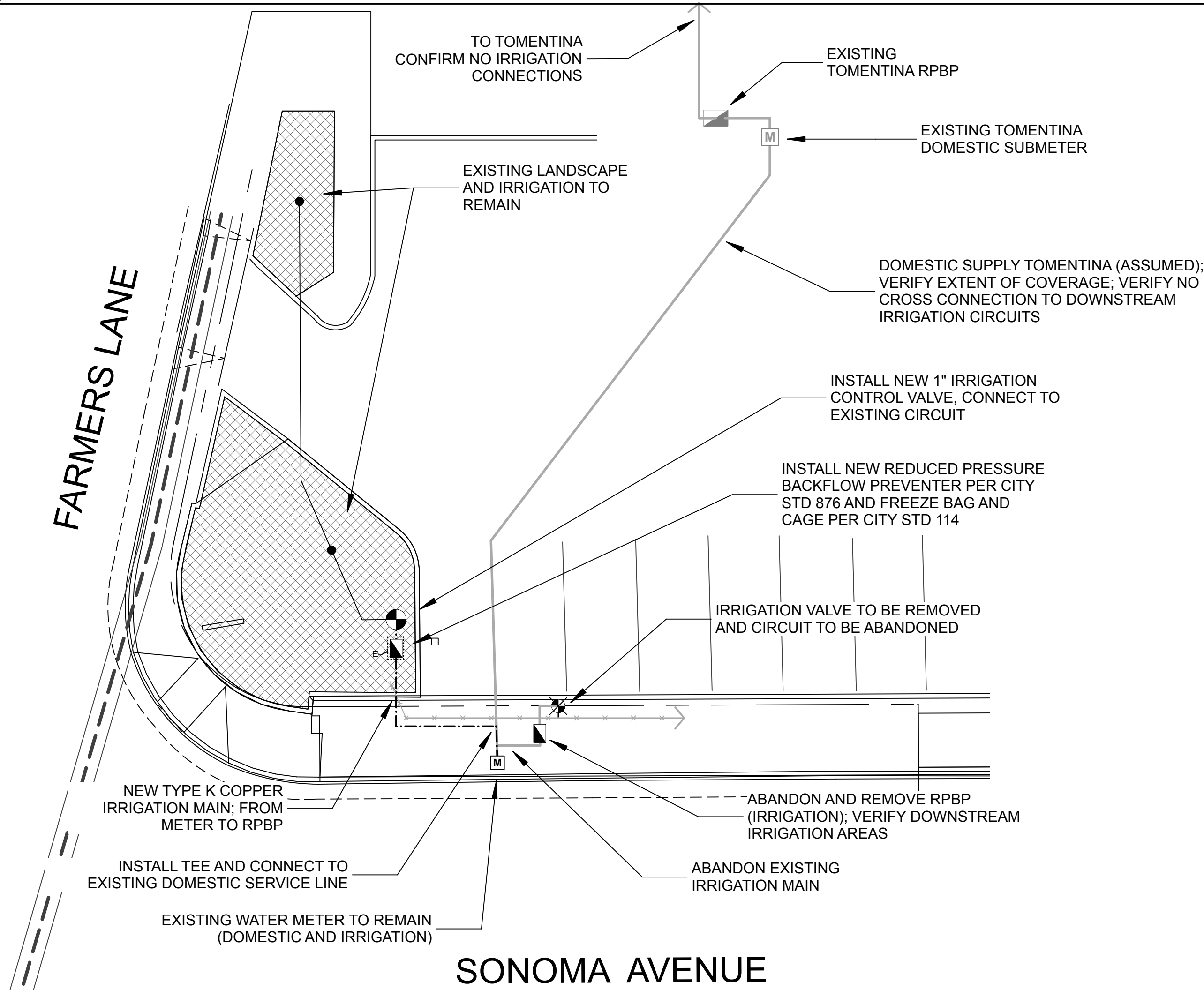
Revision

Date

No.



SOUTH IRRIGATION SCHEMATIC
Scale: 1" = 10'-0"

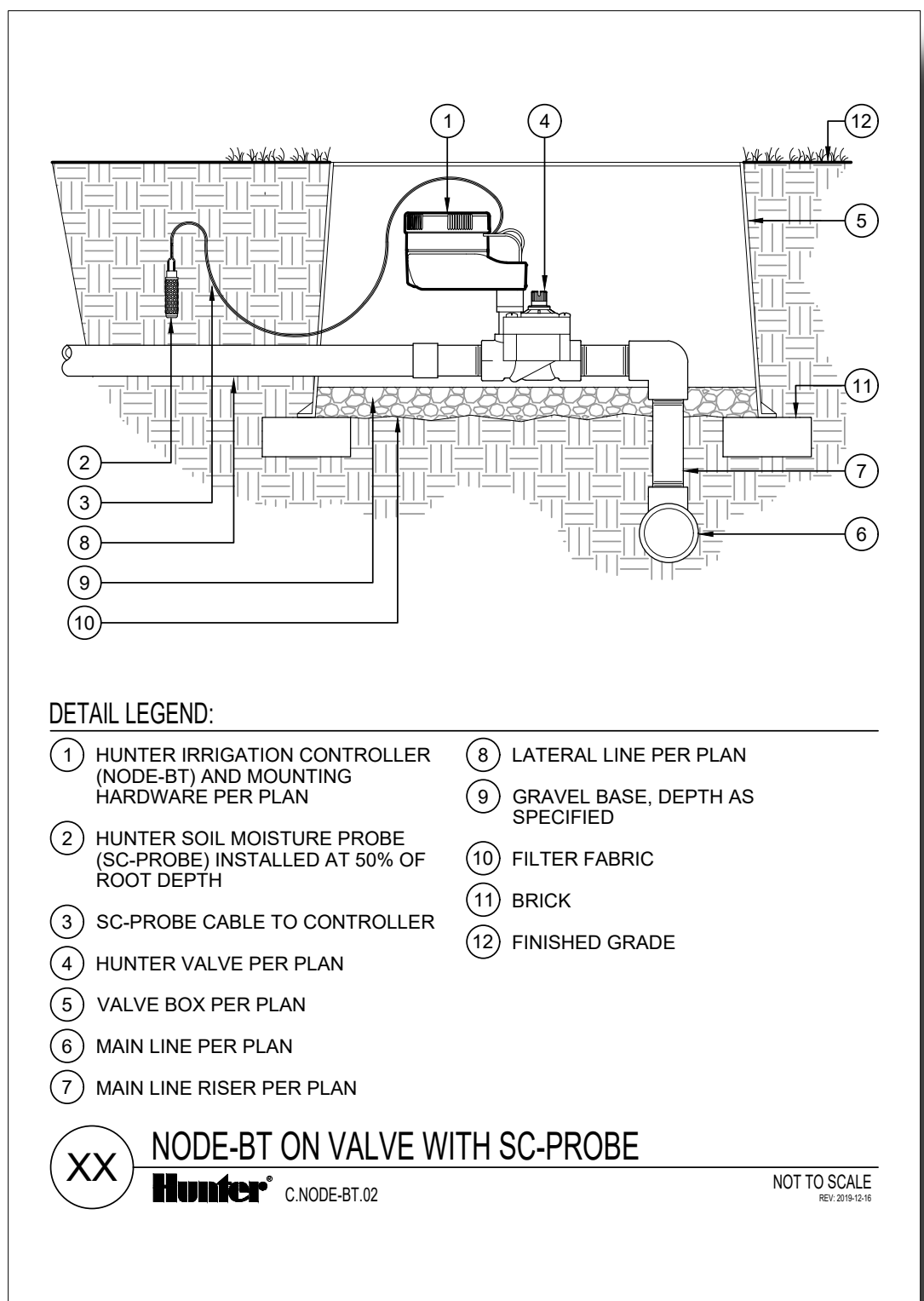


NORTH IRRIGATION SCHEMATIC
Scale: 1" = 10'-0"

IRRIGATION NOTES

1. ALL SPRINKLER HEADS SHALL BE SET PERPENDICULAR TO FINISH GRADE OF THE AREA TO BE IRRIGATED UNLESS OTHERWISE NOTED ON THE PLANS.
2. THE SPRINKLER SYSTEM DESIGN IS BASED ON THE MINIMUM STATIC PRESSURE OF 35 PSI AT THE VALVES AND THE MAXIMUM FLOW DEMAND SHOWN ON THE IRRIGATION DRAWINGS AT THE POINT OF CONNECTION. THE IRRIGATION CONTRACTOR SHALL VERIFY WATER PRESSURE PRIOR TO CONSTRUCTION OF THE IRRIGATION SYSTEM. IF THE WATER PRESSURE SHOWN ON THE DRAWINGS DIFFERS FROM THE ACTUAL PRESSURE READING AT THE IRRIGATION POINT OF CONNECTION, THE CONTRACTOR SHALL NOTIFY THE LANDSCAPE ARCHITECT IMMEDIATELY. IN THE EVENT PRESSURE DIFFERENCES ARE NOT REPORTED PRIOR TO THE START OF CONSTRUCTION, THE IRRIGATION CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ANY REVISIONS NECESSARY.
3. THE CONTROLLER TO BE BATTERY OPERATED AND SHALL BE INSTALLED INTEGRAL TO THE VALVE AND LOCATED WITHIN THE VALVE BOX.
4. ALL CONSTRUCTION IS TO BE PER THE LATEST EDITION OF THE UNIFORM BUILDING CODE.
5. THIS DESIGN IS DIAGRAMMATIC. ALL PIPING, VALVES, ROOT BARRIERS, ETC. SHOWN WITHIN PAVED AREAS ARE FOR DESIGN CLARIFICATION ONLY. INSTALL PIPING AND VALVES IN PLANTING AREAS WHERE POSSIBLE, AND LOCATE ELECTRIC CONTROL AND QUICK COUPLING VALVES IN GROUND COVER/SHRUB AREAS, 6" TO 12" AWAY FROM Hardscape OR TURF AREA FOR EASY ACCESS.
6. THE IRRIGATION CONTRACTOR SHALL FLUSH AND ADJUST ALL SPRINKLER HEADS FOR OPTIMUM PERFORMANCE AND TO PREVENT OVER SPRAY ONTO WALKS, ROADWAYS, AND/OR BUILDINGS. THIS SHALL INCLUDE SELECTING THE BEST DEGREE OF ARC TO FIT THE EXISTING SITE CONDITIONS AND THROTTLING THE FLOW CONTROL AT EACH VALVE TO OBTAIN THE OPTIMUM OPERATING PRESSURE FOR EACH SYSTEM.
7. IT IS THE RESPONSIBILITY OF THE IRRIGATION CONTRACTOR TO FAMILIARIZE THEMSELVES WITH ALL GRADE DIFFERENCES, LOCATION OF WALLS, STRUCTURES, AND UTILITIES. THE IRRIGATION CONTRACTOR SHALL EXERCISE EXTREME CARE, AND BE RESPONSIBLE FOR ANY DAMAGE IN EXCAVATING AND WORKING NEAR UTILITIES. CONTRACTOR SHALL COORDINATE ALL WORK WITH THE GENERAL CONTRACTOR AND OTHER SUB-CONTRACTORS FOR THE LOCATION OF UTILITIES AND THE INSTALLATION OF PIPE SLEEVES THROUGH WALLS, UNDER ROADWAYS, AND NEAR STRUCTURES. PRIOR TO CONSTRUCTION, CONTACT ALL APPLICABLE AGENCIES AND U.S.A. AT 1-800-642-2444 TO FIELD LOCATE ALL EXISTING UTILITIES.
8. FIELD ADJUSTMENTS MAY BE REQUIRED TO PROVIDE OPTIMUM OPERATING EFFICIENCY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING THE LANDSCAPE ARCHITECT TO REVIEW FIELD ADJUSTMENTS PRIOR TO INSTALLATION. IN THE EVENT THAT NO CONTACT IS MADE WITH THE LANDSCAPE ARCHITECT, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY REVISIONS.
9. SLEEVE ALL IRRIGATION PIPE AND CONTROL WIRES UNDER STREETS AND CONCRETE WALKWAYS WITH THE PROPER SIZE GLASS 200 PSI PIPE TO DEPTH AS SPECIFIED.
10. FOR ADDITIONAL INFORMATION, SEE PROJECT DETAILS AND SPECIFICATIONS.
11. ALL WORK SHALL CONFORM TO ALL APPLICABLE CITY OF SANTA ROSA CONSTRUCTION STANDARDS.
12. NO GALVANIZED IRON PIPE OR FITTINGS SHALL BE ALLOWED.
13. A BALL VALVE IN A SEPARATE ROUND VALVE BOX IS TO BE INSTALLED IMMEDIATELY UPSTREAM FROM EACH REMOTE CONTROL VALVE OR GROUP OF VALVES. VALVE SHALL BE SIZED TO MAINLINE SUPPLY AT THE RC VALVE. SEE DETAIL.
14. INSTALL 3" WIDE DETECTABLE TAPE (#3 DTP, AS MANUFACTURED BY T. CHRISTY). TAPE SHALL BE INSTALLED 6" ABOVE THE IRRIGATION MAIN.
15. INSTALL ALL LANDSCAPE DRIPLINE BENEATH MULCH. INSTALL ALL TUBING 3" BELOW GRADE, PARALLEL AT SPACING INDICATED. USE LANDSCAPE STAPLES IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS TO SECURE TUBING TO GROUND.
16. SIGNED CERTIFICATE OF COMPLETION IS REQUIRED PRIOR TO FINAL ACCEPTANCE BY THE CITY OF SANTA ROSA. IF THE INSTALLATION OF THE LANDSCAPE DOES MEET OR SUBSTANTIALLY COMPLY WITH THE APPROVED LANDSCAPE CONSTRUCTION DOCUMENTS, THE CERTIFICATE OF COMPLETION WILL NOT BE SIGNED OR APPROVED BY THE LANDSCAPE ARCHITECT OF RECORD.

IRRIGATION LEGEND				
SYMBOL	EQUIPMENT	MANUFACTURER	MODEL	REMARKS
	Backflow Preventer Enclosure	Le Muer	BF 18" X 42" X 30"	Install per City Specs
	Node-BT Controller with P&V-101G	Hunter		Install with SC-Probe and Rain-Click
	Wired Rain / Freeze-Click Sensor	Hunter	RFC	Pole Mount
	Soil Moisture Sensor	Hunter	SC-Probe	For use with Node-BT
	Mainline	Copper	Type K	Install between meter and RPBP
	Mainline	HDPE	DR11 (200 PSI)	Install downstream from RPBP
	Lateral	HDPE	DR11 (200 PSI)	Install downstream from RPBP
	Valve Station and Sequence			
	Valve Size			
	Gallons Per Minute			



ISSUED
FOR BIDS
DATE: 07-18-2025

REGISTERED LANDSCAPE ARCHITECT
DONALD G. MACNAIR
NO. 2800
EXP. 03/31/27
STATE OF CALIFORNIA

MACNAIR
ARCHITECTURE
POST OFFICE BOX 251
KENWOOD, CALIFORNIA 95452
916.468.0000
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PROJECT NO:	DESIGNED BY:	CHECKED BY:	CHECK DATE:	By
64-04-55	DM	DM	01/28/25	
SCALE:	DRAWN BY:	SUBMITTAL DATE:		Revision
AS NOTED	DM	07/18/25		
				Date
				No.

CITY OF SANTA ROSA
SONOMA AVENUE- PAVEMENT REHABILITATION
FARMERS LN TO HAHMAN DR

IRRIGATION SCHEMATIC DESIGN

CONTRACT NO.	C00000
SHEET	19 OF 20
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