

BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: VARIOUS	DESIGN SECTION ENGINEERING	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS BRIDGE PREVENTIVE MAINTENANCE PROGRAM	SHEET 1 OF 16
	PROJECT NO.: BPMP 5904(156) CONTRACT NO.: 216156 DRAWING FILE NAME: 216156 CDSN 001 PLOT DATE: 10/12/2022	MILE POST: VARIOUS DESIGNED BY: RLB DRAWN BY: RMD REVIEWED BY: JAB APPROVED BY: TRS		

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
PROJECT PLANS FOR CONSTRUCTION OF
BRIDGE PREVENTIVE MAINTENANCE PROJECT
SIX LOCATIONS IN HUMBOLDT COUNTY
PROJECT NO. BPMP 5904(156)
CONTRACT NO. 216156



INDEX OF SHEETS

1. COVER SHEET AND INDEX
2. PROJECT GROUP 5904(156) VICINITY MAP, SITES AND QUANTITIES
3. TYPICAL CONCRETE REPAIR DETAILS AND NOTES
4. TYPICAL JOINT SEAL LOCATIONS AND DETAILS
5. (04C-0064) SOUTH DOBBYN CREEK BRIDGE PLAN, PROFILE AND SECTION
6. (04C-0115) SUPPLY CREEK BRIDGE PLAN AND PROFILE
7. (04C-0115) SUPPLY CREEK BRIDGE SECTIONS AND DETAILS
8. (04C-0168) DOMINGO CREEK BRIDGE PLAN, PROFILE AND TYP. SECTION
9. (04C-0168) DOMINGO CREEK BRIDGE REPAIR DETAILS
10. (04C-0170) PERRY SLOUGH BRIDGE PLAN, PROFILE, SECTIONS AND DETAILS
11. (04C-0170) PERRY SLOUGH BRIDGE REPAIR DETAILS
12. (04C-0187) MAPLE CREEK BRIDGE PLAN AND PROFILE
13. (04C-0187) MAPLE CREEK BRIDGE TYPICAL SECTIONS AND DETAILS
14. (04C-0187) MAPLE CREEK BRIDGE REPAIR DETAILS
15. (04C-0201) SALMON CREEK BRIDGE PLAN, PROFILE, SECTIONS AND DETAILS
16. (04C-0201) SALMON CREEK BRIDGE REPAIR DETAILS

NOTES

THE CONTRACTOR SHALL HAVE A CLASS "A" LICENSE FOR THIS PROJECT.

PROJECT PLANS AND SPECIAL PROVISIONS TO BE SUPPLEMENTED BY STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS, STANDARD SPECIFICATIONS AND THE LATEST REVISED 2018 STANDARD SPECIFICATIONS AND REVISED 2018 STANDARD PLANS.

(SEE APPLICABLE STANDARD PLAN LIST IN SPECIAL PROVISIONS)

RECOMMENDED

Jeffrey A. Ball 10/12/22
 DATE
 JEFFREY A. BALL
 RCE 70631, EXP. 6/30/2023



APPROVED

Tony R. Seghetti 10/12/22
 DATE
 TONY R. SEGHETTI
 RCE 63714, EXP. 9/30/2024

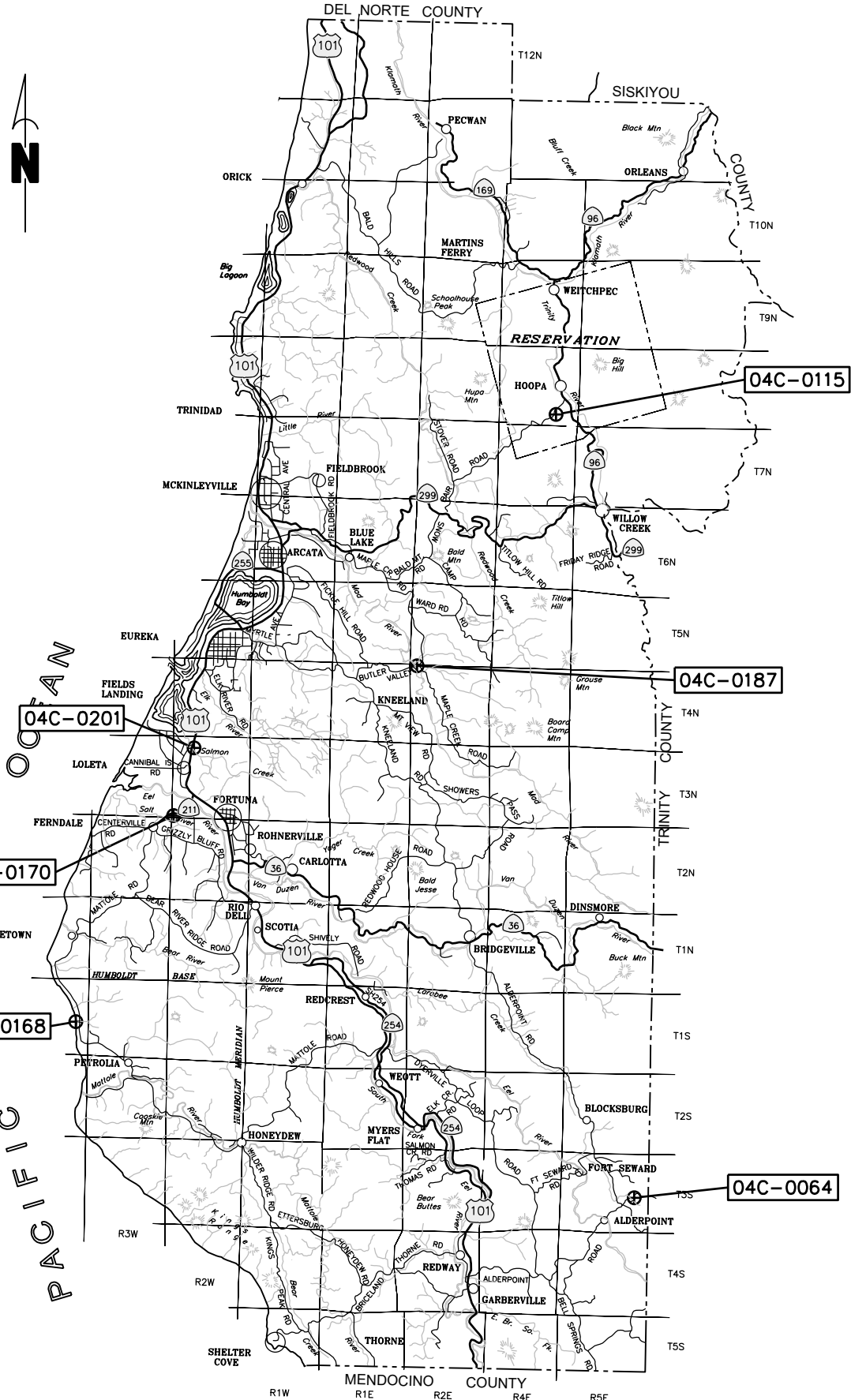


ORIGINAL LOW BID PRICE	CONSTRUCTED BY	RESIDENT ENGINEER
	PROJECT COMPLETED / /	CONSTRUCTION COST \$



BAR IS ONE INCH ON ORIGINAL DRAWING	ROAD NAME: VARIOUS	DESIGN SECTION: ENGINEERING
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NO.: VARIOUS	MILE POST: VARIOUS
	PROJECT NO.: BUMP 5904(156)	DESIGNED BY: RLB
	CONTRACT NO.: 216156	DRAWN BY: RMD
	DRAWING FILE NAME: 216156 CDSN 001	REVIEWED BY: JAB
	PLOT DATE: 10/12/2022	REVISION DATE:
		APPROVED BY: TRS

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS BRIDGE PREVENTIVE MAINTENANCE PROGRAM PROJECT GROUP 5904(156) VICINITY MAP, SITES AND QUANTITIES	SHEET 2 OF 16
--	--------------------------------------



VICINITY MAP
NOT TO SCALE

PROJECT GROUP SITES

(04C-0064) SOUTH DOBBYN CREEK BRIDGE
(F8C090) ZENIA BLUFF ROAD PM 1.89
LAT: 40.19116334
LONG: -123.56473106

(04C-0115) SUPPLY CREEK BRIDGE
(C6L300) BAIR ROAD PM 15.28
LAT: 41.04083
LONG: -123.69694

(04C-0168) DOMINGO CREEK BRIDGE
(F3C010) MATTOLE ROAD PM 20.98
LAT: 40.36888
LONG: -124.36194

(04C-0170) PERRY SLOUGH BRIDGE
(3G010) COFFEE CREEK ROAD PM 2.21
LAT: 40.59583
LONG: -124.23083

(04C-0187) MAPLE CREEK BRIDGE
(F5J031) BUTLER VALLEY ROAD PM 7.76
LAT: 40.76388
LONG: -123.88777

(04C-0201) SALMON CREEK BRIDGE
(C3H015) HOOKTON ROAD PM 0.10
LAT: 40.67000
LONG: -124.20388

NOTES

SITE COORDINATES BASED ON CALIFORNIA STATE PLANES, ZONE 1, US-FOOT, NAD83. GOOGLE EARTH LAT/LONG MAY VARY SLIGHTLY.

STAGING & STOCKPILE NOTES

1. MANAGE MATERIAL AND STOCKPILE PER SECTION 13-4.03(C) OF CALTRANS STANDARD SPECIFICATIONS
2. IF STOCKPILE AREA IS IN A TURNOUT, THE TURNOUT SHALL BE REESTABLISHED TO PRE-CONSTRUCTION CONDITIONS
3. STOCKPILE LOCATIONS SHOWN ARE WITHIN EXISTING SHOULDER AND HAVE BEEN APPROVED BY PUBLIC WORKS AS DETAILED IN THE ENVIRONMENTAL REPORT. ALTERNATIVE SITES MAY BE APPROVED THROUGH PUBLIC WORKS IN WRITING.

BID QUANTITIES

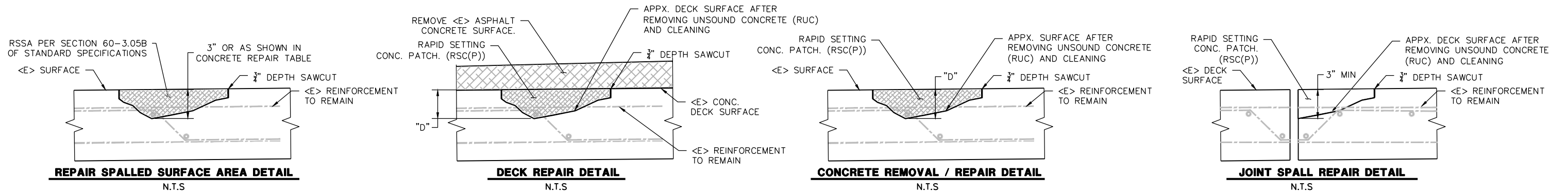
ITEM NO.	ITEM CODE	ITEM DESCRIPTION	UNIT	04C-0064	04C-0115	04C-0168	04C-0170	04C-0187	04C-0201	Total
1	071020	Temporary Scaffolding	LS	0	0	0	0	1	0	1
2	120100	Traffic Control System	LS	0.1	0.3	0.2	0.1	0.2	0.1	1
3	130100	Job Site Management	LS	0.1	0.3	0.2	0.1	0.2	0.1	1
4	130200	Prepare Water Pollution Control Program	LS	0.1	0.3	0.2	0.1	0.2	0.1	1
5	390132	Hot Mix Asphalt (1/2", Type A)	TON	0	47	0	37	0	7	91
6	398200	Cold Plane Asphalt Concrete Pavement (0.25')	SY	0	183	0	219	0	39	441
7	511118	Clean Expansion Joint	LF	63	60	0	45	0	0	168
8	519081	Joint Seal (MR 1/2", Type A)	LF	0	60	0	45	0	0	105
9	600001	Public Safety Plan	LS	0	0.5	0	0	0	0.5	1
10	600011	Rapid Setting Concrete (Patch)	CF	4	0	8	0	8	17	37
11	600013	Repair Spalled Surface Area	SF	15	0	49	0	410	56	530
12	600029	Remove Asphalt Concrete Surfacing	SF	0	964	0	0	0	0	964
13	600033	Remove Unsound Concrete	CF	4	0	8	0	8	17	37
14	600037	Prepare Concrete Bridge Deck Surface	SF	0	964	0	0	0	624	1,588
15	600041	Furnish Polyester Concrete Overlay	CF	0	0	0	0	0	52	52
16	600043	Place Polyester Concrete Overlay	SF	0	0	0	0	0	624	624
17	600045	F Treat Bridge Deck (Methacrylate)	SF	0	964	0	0	0	0	964
18	600047	F Furnish Bridge Deck Treatment Material	GAL	0	10	0	0	0	0	10
19	600114	Bridge Removal (Portion)	LS	0.1	0.2	0.2	0	0.4	0.1	1
20	600130	Replace Bridge Curb	LF	0	105	0	0	0	0	105
21	839800	Repair Bridge Railing	LF	0	105	0	0	0	0	105
22	999990	Mobilization	LS	0.1	0.3	0.2	0.1	0.2	0.1	1



BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: VARIOUS	DESIGN SECTION: ENGINEERING	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS	SHEET 3 OF 16
	PROJECT NO.: BPMP 5904(156) CONTRACT NO.: 216156 DRAWING FILE NAME: 216156 CDSN 001 PLOT DATE: 10/12/2022	MILE POST: VARIOUS DESIGNED BY: RLB DRAWN BY: RMD REVIEWED BY: JAB APPROVED BY: TRS		

LEGEND

RUC = REMOVE UNSOUND CONCRETE (CF)
 RSC(P) = RAPID SETTING CONCRETE (PATCH) (CF)
 RSSA = REPAIR SPALLED SURFACE AREA (SF)



CONCRETE REPAIR NOTES

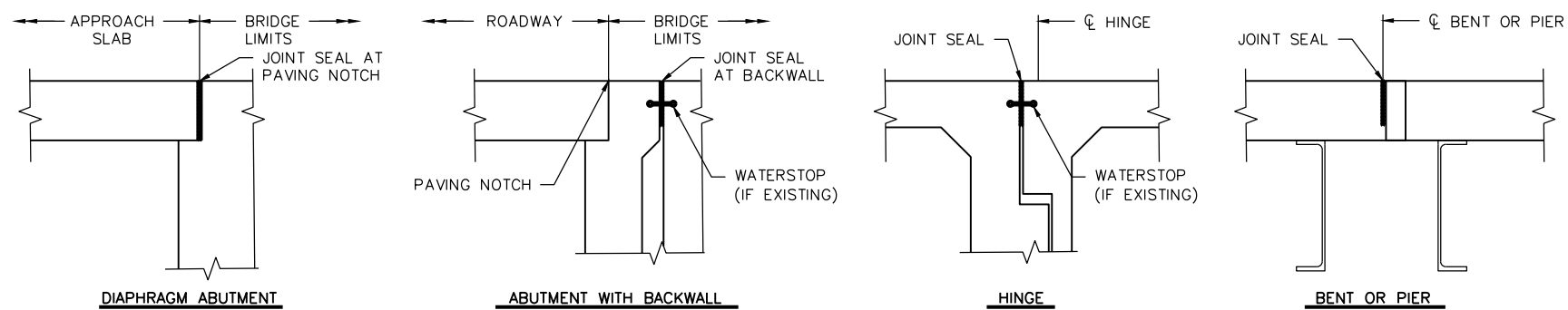
- BEFORE REMOVING ANY ASPHALT CONCRETE SURFACING, VERIFY ASPHALT CONCRETE OVERLAY DEPTHS.
- REPAIR LOCATIONS TO BE DETERMINED BY THE ENGINEER. LOCATIONS SHOWN ON PLANS ARE FOR INFORMATIONAL PURPOSES ONLY, BASED ON BRIDGE INSPECTION REPORTS AND PHOTOGRAPHIC INTERPRETATIONS.
- APPROXIMATE DEPTH OF DAMAGED AREA IS TO BE DETERMINED IN THE FIELD. A DEPTH OF 3" IS ASSUMED UNLESS OTHERWISE NOTED.
- REINFORCEMENT MAY BE ENCOUNTERED DURING CONCRETE REMOVAL. PER SECTION 60-3.02C(5) OF THE STANDARD SPECIFICATIONS, CONTRACTOR SHALL REPLACE OR REPAIR REINFORCING STEEL DAMAGED AND RENDERED USELESS DURING REMOVAL.
- SAW CUTTING OF EXISTING TRANSVERSE REINFORCEMENT MUST BE APPROVED IN ADVANCE BY THE ENGINEER.
- REMOVE UNSOUND CONCRETE (RUC) AND UNSOUND CONCRETE PATCHES (RUC) TO EXPOSE SOUND, HARD CONCRETE SUBSTRATE. REPLACE ORIGINAL SURFACE WITH RAPID SETTING CONCRETE PATCH [RSC(P)].
- UNLESS DIRECTED OTHERWISE BY THE ENGINEER, IF DEPTH "D" OF THE CONCRETE DECK PATCH IS LESS THAN 1", THEN CONTRACTOR SHALL USE A POLYESTER CONCRETE PATCH. IF DEPTH "D" IS 1" OR GREATER IN DEPTH THE CONTRACTOR SHALL USE A RAPID SETTING CONCRETE PATCH.
- THE POLYESTER CONCRETE OVERLAY SHALL BE 1" THICK.

CONCRETE REMOVAL NOTES

- CONTAINMENT MEASURES NEEDED FOR CONSTRUCTION DEBRIS, ESPECIALLY CONCRETE, IS COVERED BY THE BID ITEM "BRIDGE REMOVAL."
- CONTRACTOR TO SUBMIT A BRIDGE REMOVAL WORK PLAN PER SECTION 60-2.02 OF THE STANDARD SPECIFICATIONS AND SPECIAL PROVISIONS.
- WORK PLAN MUST MEET REGULATORY AGENCY PERMIT CONDITIONS AND BE APPROVED BY THE ENGINEER.



BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: VARIOUS	DESIGN SECTION	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS BRIDGE PREVENTIVE MAINTENANCE PROGRAM TYPICAL JOINT SEAL LOCATIONS AND DETAILS	SHEET 4 OF 16
	ROAD NO.: VARIOUS	ENGINEERING		
	PROJECT NO.: BPMP 5904(156)	DESIGNED BY: RLB		
	CONTRACT NO.: 216156	DRAWN BY: RMD		
	DRAWING FILE NAME: 216156 CDSN 001	REVIEWED BY: JAB		
	PLOT DATE: 10/12/2022	REVISION DATE:	APPROVED BY: TRS	



TYPICAL JOINT SEAL LOCATIONS

N.T.S

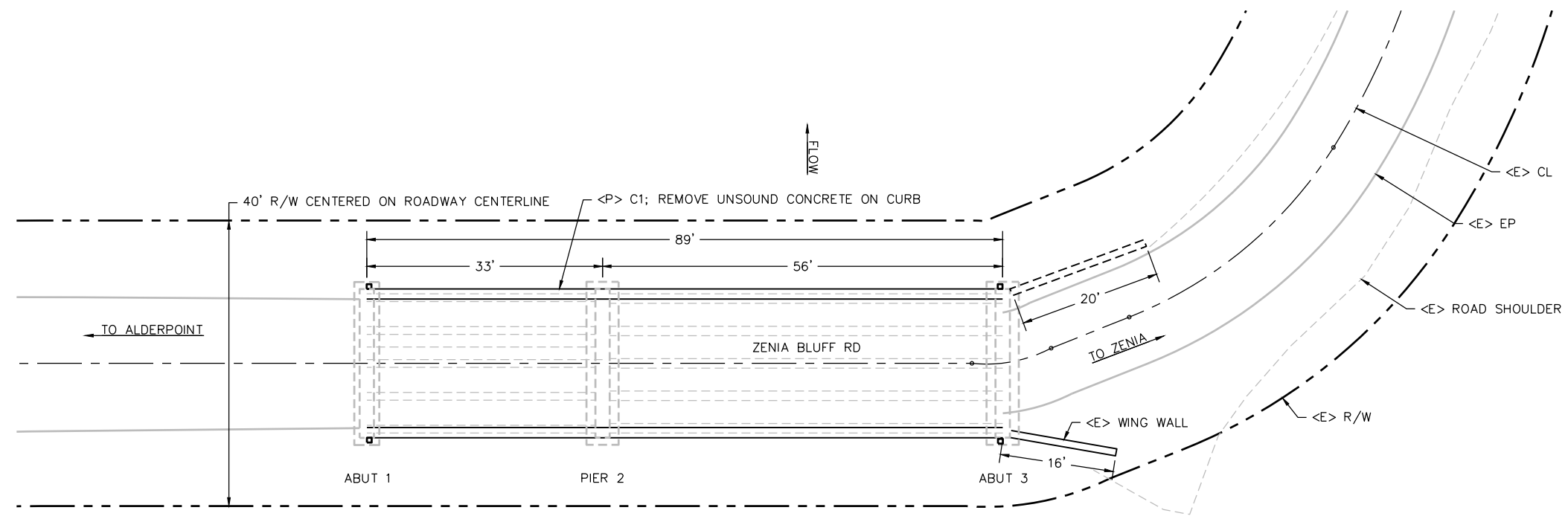
JOINT SEAL NOTES

1. SEAL MUST SATISFY BOTH MINIMUM MOVEMENT RATING (MR) AND MINIMUM W1 REQUIREMENTS.
2. MINIMUM W1 IS THE CALCULATED MAXIMUM WIDTH OF THE JOINT BASED ON FIELD MEASUREMENTS. AFTER THE JOINTS HAVE BEEN CLEANED, MINIMUM W1 IS TO BE CALCULATED BY THE ENGINEER.
3. W1 MUST BE THE SMALLER OF THE VALUES DETERMINED AS FOLLOWS:
 - A) 0.85 TIMES THE MANUFACTURER'S DESIGNED MINIMUM UNCOMPRESSED WIDTH OF THE SEAL.
 - B) THE WIDTH OF THE SEAL ON THE THIRD SUCCESSIVE TEST CYCLE OF THE PRESSURE DEFLECTION TEST, WHEN COMPRESSED TO AN AVERAGE PRESSURE OF 3 PSI.



BAR IS ONE INCH ON ORIGINAL DRAWING	ROAD NAME: ZENIA BLUFF ROAD	DESIGN SECTION
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NO.: FBC090 MILE POST: 1.89	ENGINEERING
	PROJECT NO.: BPMP 5904(156)	DESIGNED BY: RLB
	CONTRACT NO.: 216156	DRAWN BY: RMD
	DRAWING FILE NAME: 216156 CDSN 04C-0064	REVIEWED BY: JAB
	PLOT DATE: 10/12/2022 REVISION DATE:	APPROVED BY: TRS

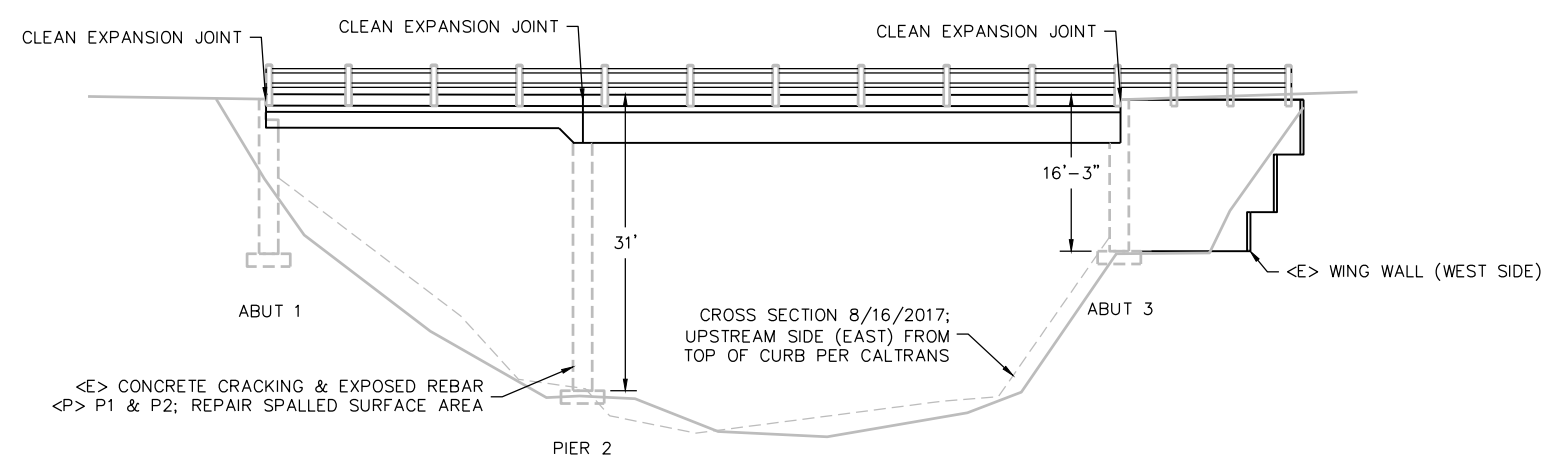
COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS	SHEET 5 OF 16
BRIDGE PREVENTIVE MAINTENANCE PROGRAM	
(04C-0064) SOUTH DOBBYN CREEK BRIDGE PLAN, PROFILE AND SECTION	



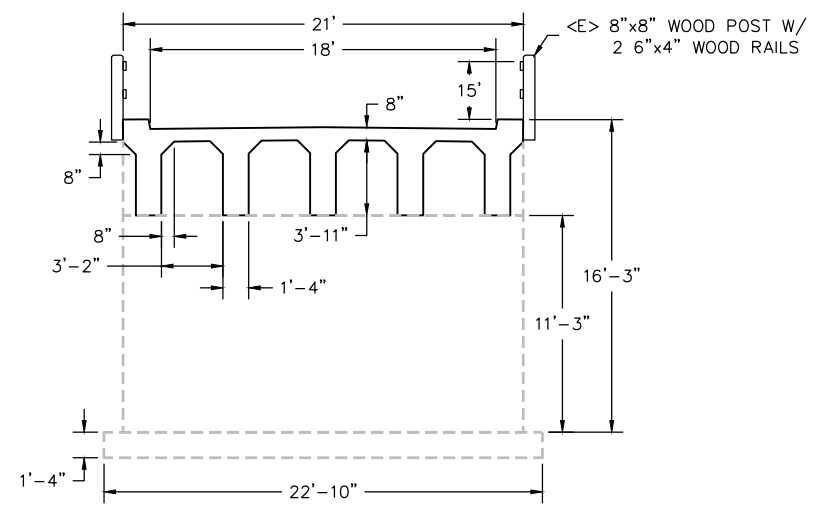
PLAN
SCALE: 1" = 10'

CONCRETE REPAIR TABLE

LOCATION	DESCRIPTION	APPROXIMATE DIMENSIONS			RSSA (SF)	RUC (CF)	RSC(P) (CF)
		LENGTH (FT)	WIDTH (FT)	DEPTH (FT)			
C1	Deck Curb near Pier 2 - Spall	6.00	1.33	0.50	N/A	3.99	3.99
P1	Pier 2 near Footing - Cracking	6.00	0.50	0.25	3.00	N/A	N/A
P2	Pier 2 near Footing - Spall & Pocket	6.00	2.00	0.25	12.00	N/A	N/A
TOTALS					15.00	3.99	3.99



PROFILE
SCALE 1" = 10'



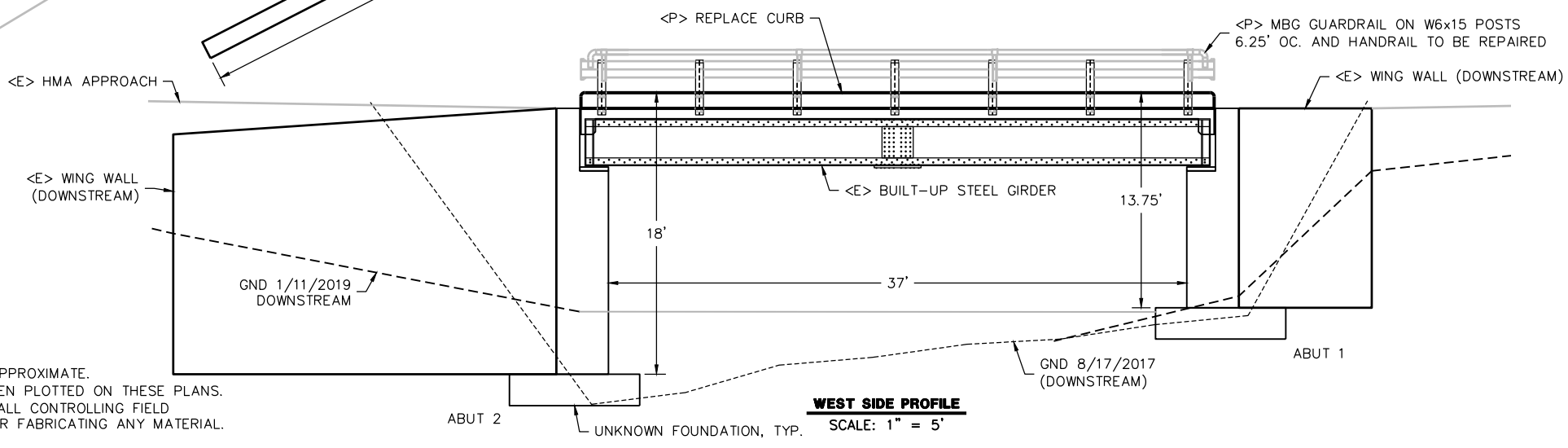
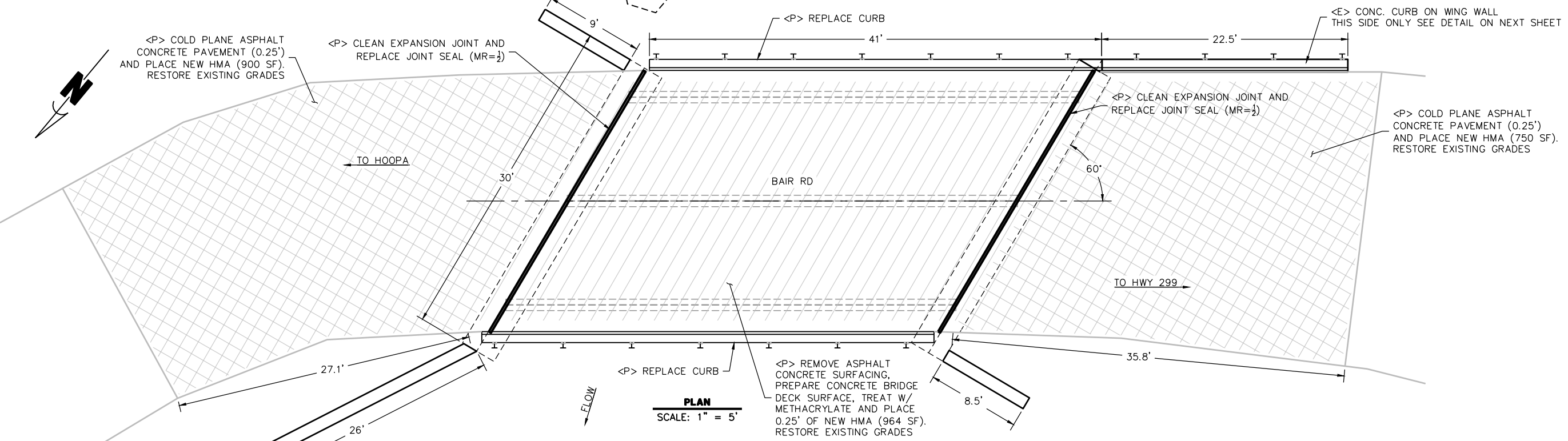
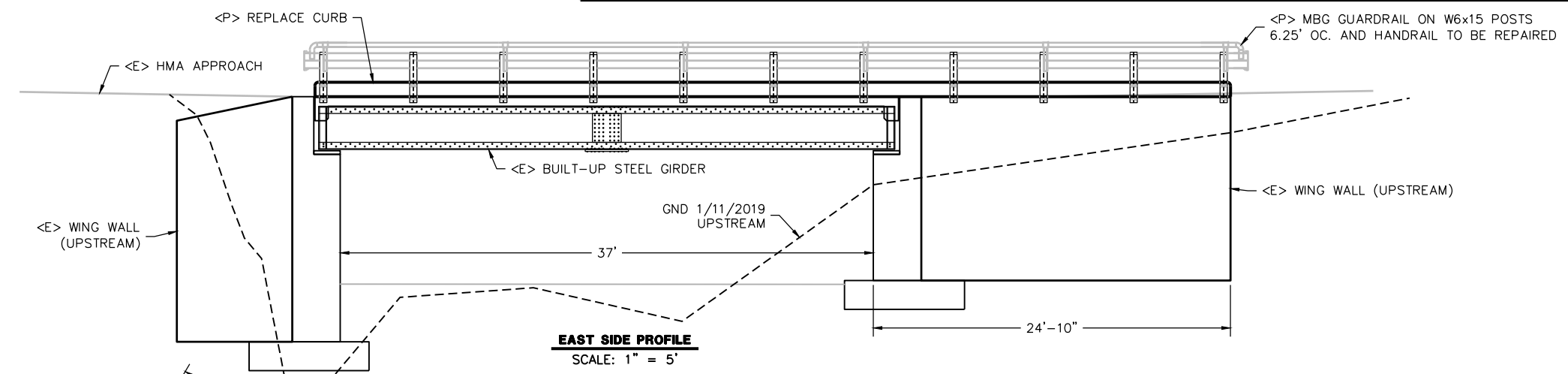
ABUTMENT 3 SECTION
SCALE 1" = 5'

- NOTES:
- 1) CALTRANS BIR STATES THAT EXISTING BRIDGE DOES NOT MATCH AS-BUILT
 - 2) ALL EXISTING DIMENSIONS ARE APPROXIMATE.
 - 3) EXISTING UTILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
 - 4) THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.
 - 5) FOR TYPICAL CONCRETE REMOVAL AND REPAIR DETAILS, SEE SHEET 3.



BAR IS ONE INCH ON ORIGINAL DRAWING	ROAD NAME: BAIR ROAD	DESIGN SECTION
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NO.: C6L300	ENGINEERING
	PROJECT NO.: BPMP 5904(156)	DESIGNED BY: RLB
	CONTRACT NO.: 216156	DRAWN BY: RMD
	DRAWING FILE NAME: 216156 CDSN 04C-0115	REVIEWED BY: JAB
	PLOT DATE: 10/12/2022	APPROVED BY: TRS
	REVISION DATE:	

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS	SHEET 6
BRIDGE PREVENTIVE MAINTENANCE PROGRAM	OF
(I04C-0115) SUPPLY CREEK BRIDGE	16
PLAN AND PROFILE	



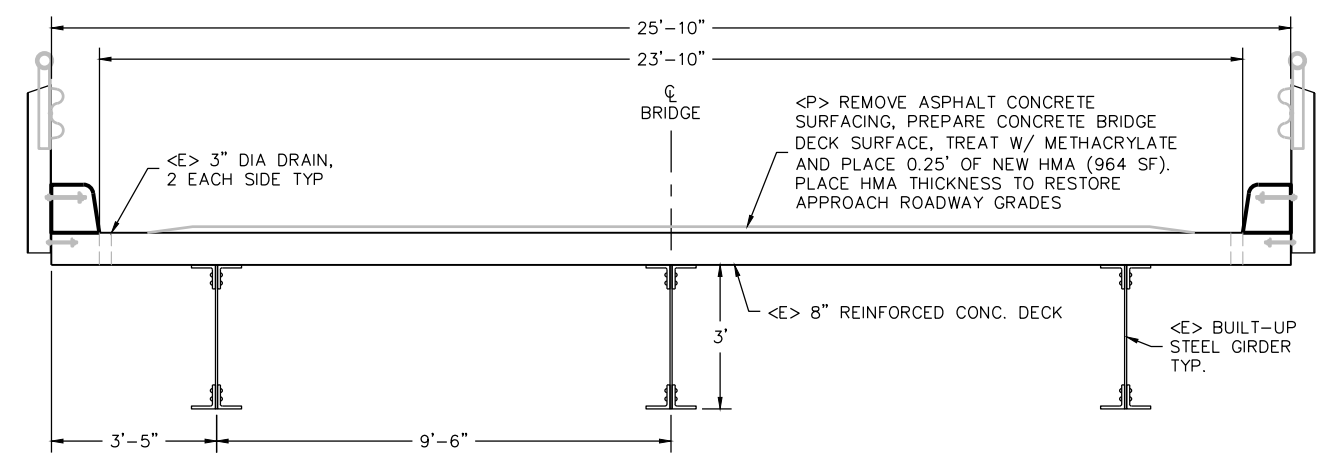
NOTES:
 1) ALL EXISTING DIMENSIONS ARE APPROXIMATE.
 2) EXISTING UTILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
 3) THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

NOTE:
 1. BRIDGE HAS 2" HMA OVERLAY PER BIR
 2. BUILT IN 1950, NO AS-BUILT PLANS AVAILABLE

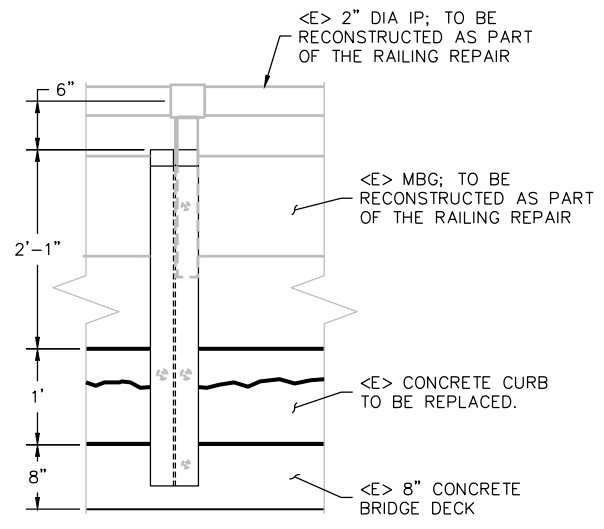


BAR IS ONE INCH ON ORIGINAL DRAWING	ROAD NAME: BAIR ROAD	DESIGN SECTION
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NO.: C6L300 MILE POST: 15.28	ENGINEERING
	PROJECT NO.: BPMP 5904(156)	DESIGNED BY: RLB
	CONTRACT NO.: 216156	DRAWN BY: RMD
	DRAWING FILE NAME: 216156 CDSN 04C-0115	REVIEWED BY: JAB
	PLOT DATE: 10/12/2022 REVISION DATE:	APPROVED BY: TRS

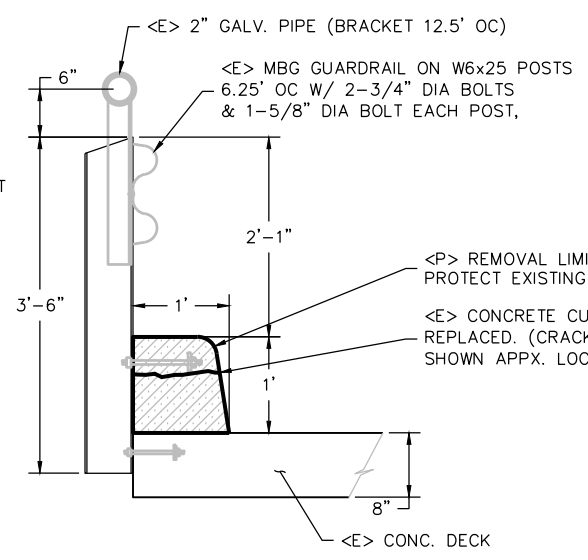
COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS	SHEET
BRIDGE PREVENTIVE MAINTENANCE PROGRAM	7
(04C-0115) SUPPLY CREEK BRIDGE	OF
SECTIONS AND DETAILS	16



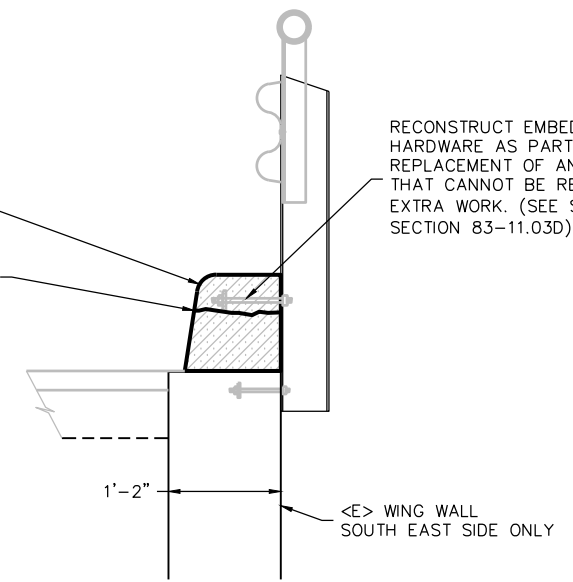
TYPICAL SECTION
SCALE: 1" = 2'



MBG ON BRIDGE DECK ELEVATION
SCALE: 1" = 1'



TYPICAL MBG ON BRIDGE DETAIL
SCALE: 1" = 1'



MBG WING WALL DETAIL
SCALE: 1" = 1'

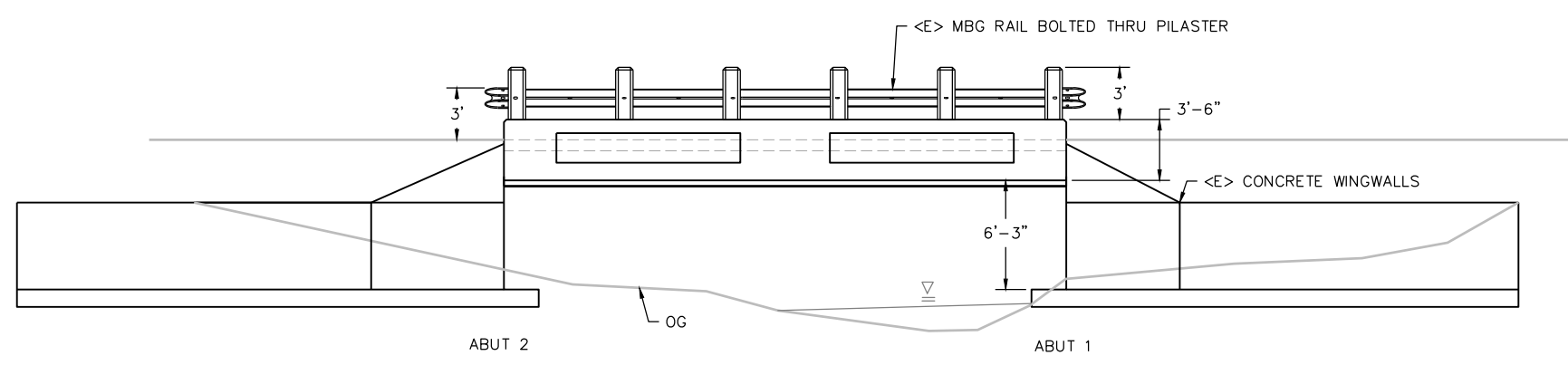
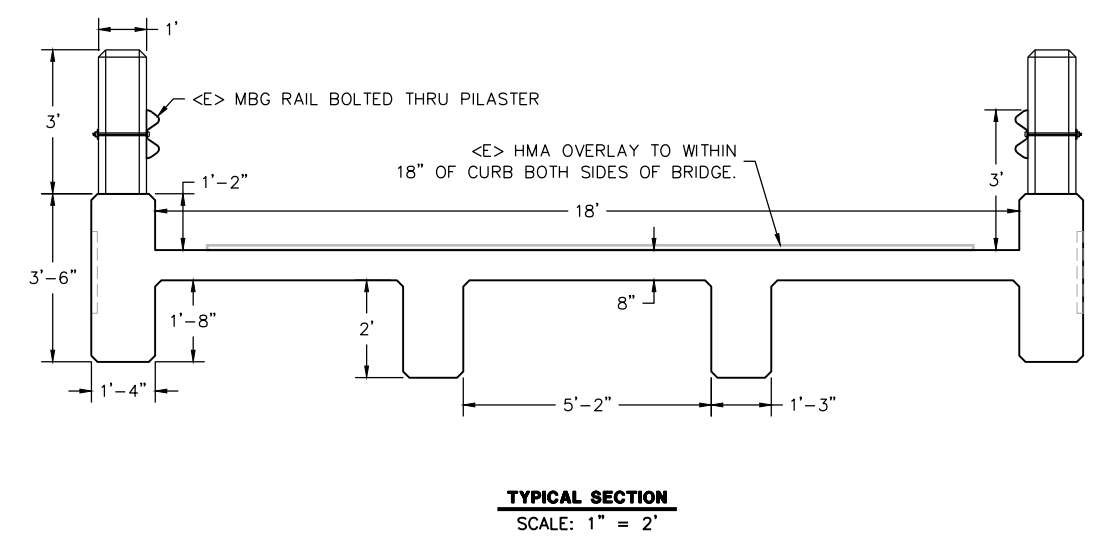
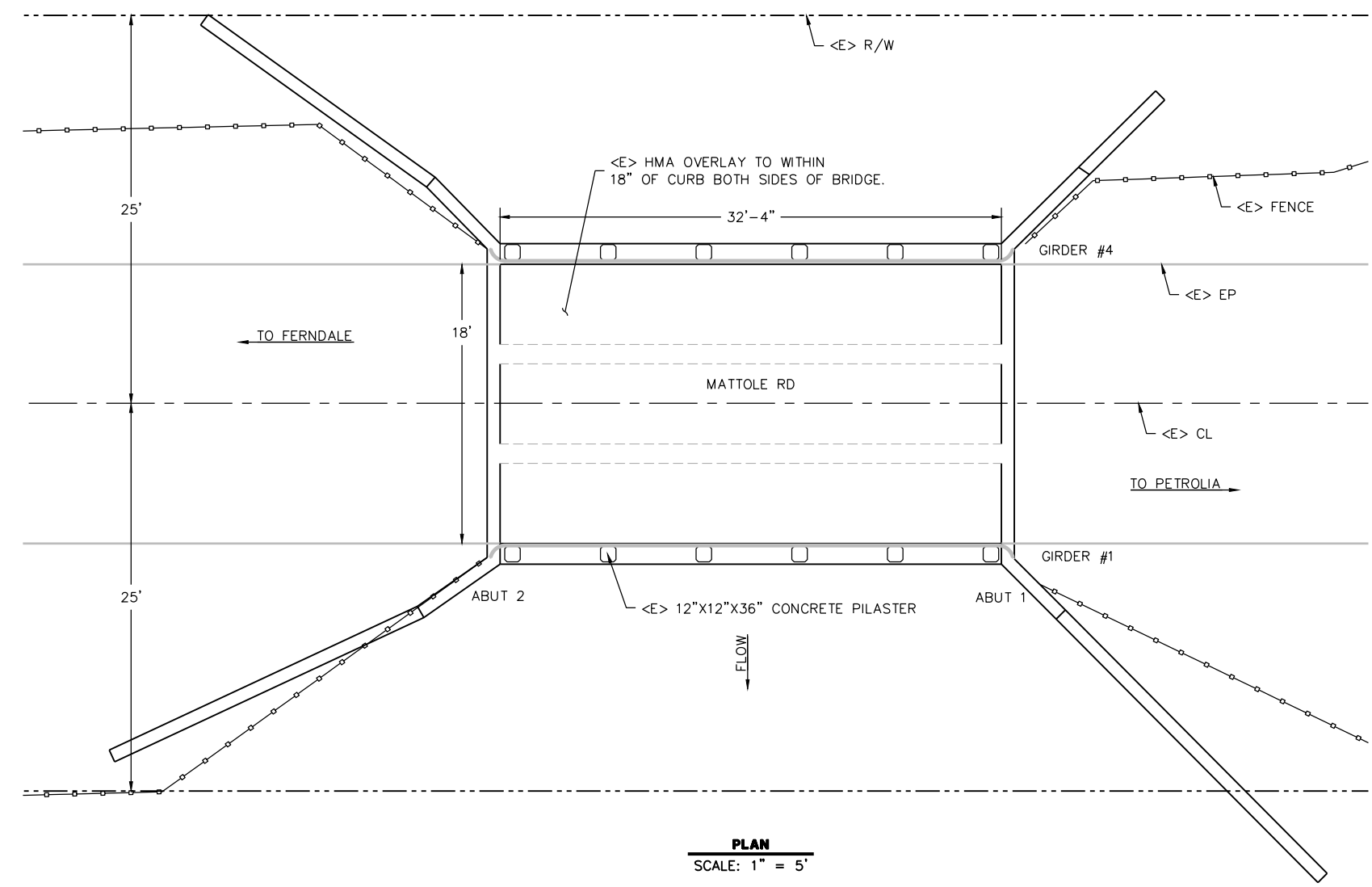
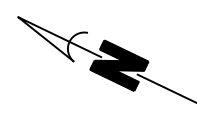
NOTES:
1) ALL EXISTING DIMENSIONS ARE APPROXIMATE.
2) EXISTING UTILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
3) THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



BAR IS ONE INCH ON ORIGINAL DRAWING	ROAD NAME: MATTOLE ROAD	DESIGN SECTION
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NO.: F3C010 MILE POST: 20.98	ENGINEERING
	PROJECT NO.: BPMP 5904(156)	DESIGNED BY: RLB
	CONTRACT NO.: 216156	DRAWN BY: RMD
	DRAWING FILE NAME: 216156 CDSN 04C-0168	REVIEWED BY: JAB
	PLOT DATE: 10/12/2022 REVISION DATE:	APPROVED BY: TRS

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
BRIDGE PREVENTIVE MAINTENANCE PROGRAM
(04C-0168) DOMINGO CREEK BRIDGE PLAN, PROFILE AND TYP. SECTION

SHEET
8
OF
16



- NOTES:
- 1) ALL EXISTING DIMENSIONS ARE APPROXIMATE.
 - 2) EXISTING UTILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
 - 3) THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.
 - 4) FOR SPECIFIC AREAS OF REPAIR WORK, SEE THE FOLLOWING PLAN SHEET.
 - 4) FOR TYPICAL CONCRETE REMOVAL AND REPAIR DETAILS, SEE SHEET 3.



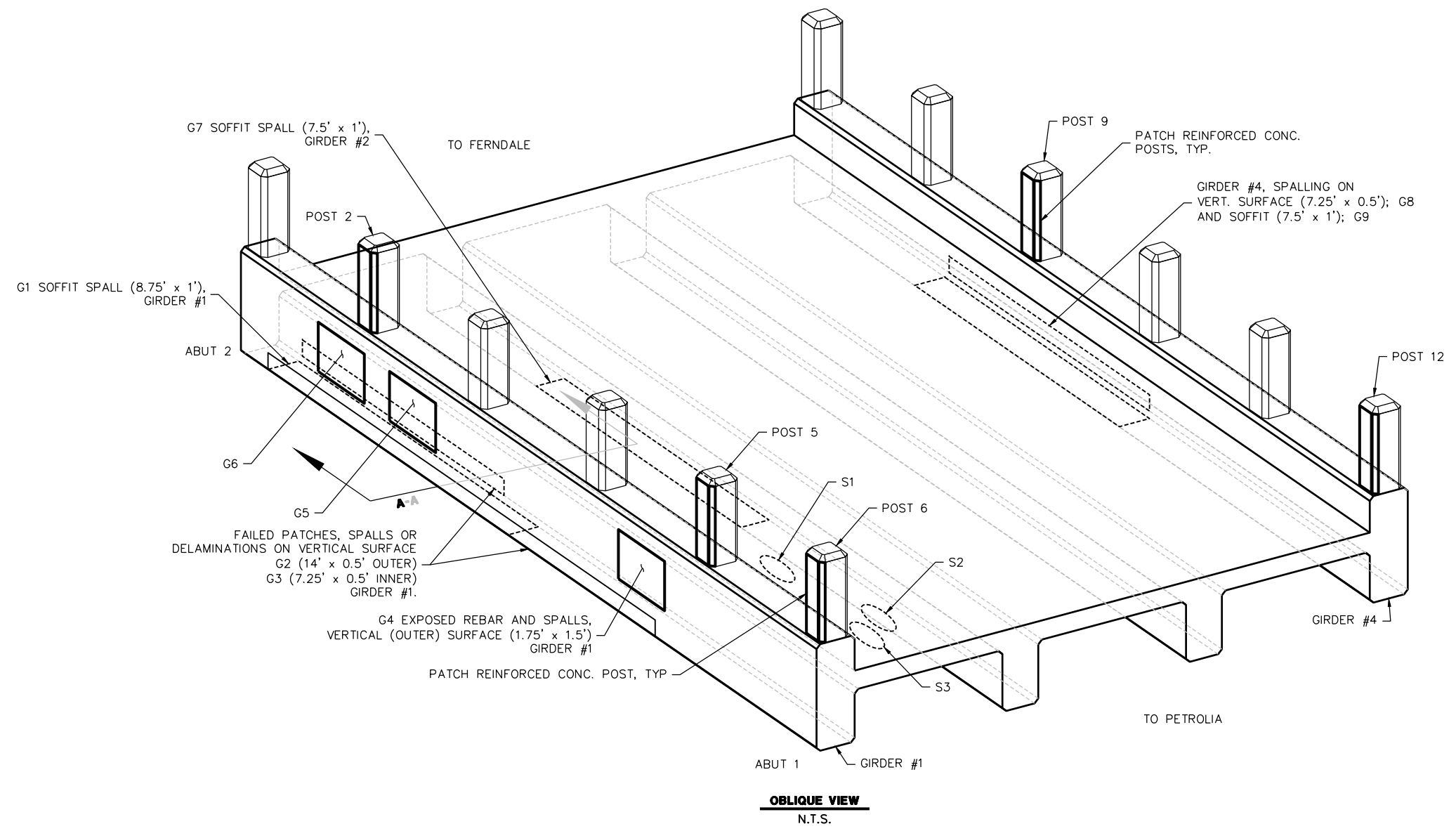
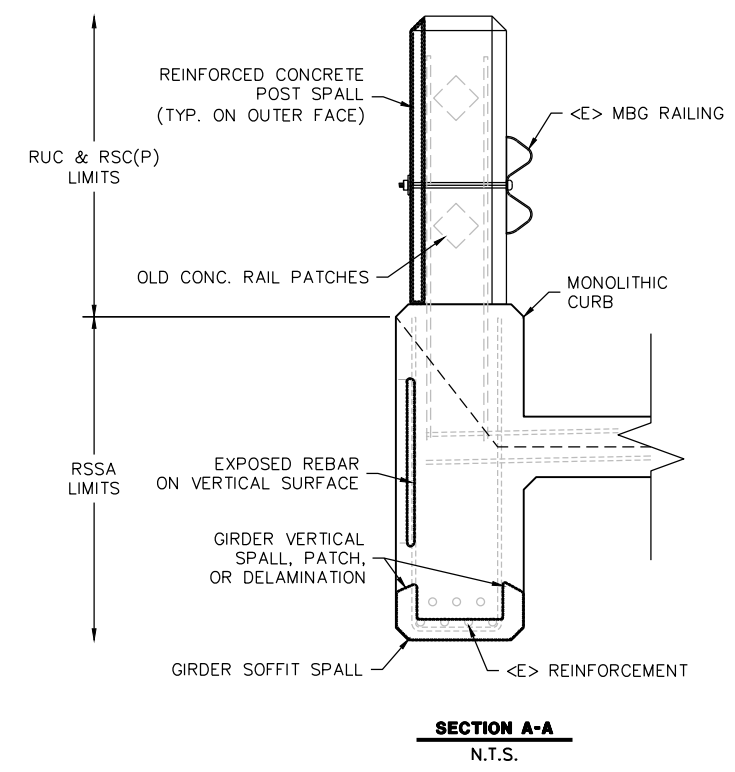
ROAD NAME: MATTOLE ROAD	DESIGN SECTION
ROAD NO.: F3C010	ENGINEERING
MILE POST: 20.98	DESIGNED BY: RLB
PROJECT NO.: BPMP 5904(156)	DRAWN BY: RMD
CONTRACT NO.: 216156	REVIEWED BY: JAB
DRAWING FILE NAME: 216156 CDSN 04C-0168	APPROVED BY: TRS
PLOT DATE: 10/12/2022	REVISION DATE:

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
BRIDGE PREVENTIVE MAINTENANCE PROGRAM
(04C-0168) DOMINGO CREEK BRIDGE
REPAIR DETAILS

SHEET
9
OF
16

CONCRETE REPAIR TABLE

LOCATION	DESCRIPTION	APPROXIMATE DIMENSIONS			RSSA (SF)	RUC (CF)	RSC(P) (CF)
		LENGTH (FT)	WIDTH (FT)	DEPTH (FT)			
P1	Post 2	3.00	1.00	0.50	N/A	1.50	1.50
P2	Post 5	3.00	1.00	0.50	N/A	1.50	1.50
P3	Post 6	3.00	1.00	0.50	N/A	1.50	1.50
P4	Post 9	3.00	1.00	0.50	N/A	1.50	1.50
P5	Post 12	3.00	1.00	0.50	N/A	1.50	1.50
G1	Girder 1 - Soffit Spall	8.75	1.00	0.25	8.75	N/A	N/A
G2	Girder 1-Outer Surface Spall	14	0.5	0.25	7.00	N/A	N/A
G3	Girder 1-Inner Surface Spall	7.25	0.5	0.25	3.63	N/A	N/A
G4	Girder 1-Outer Surface Spall	1.75	1.5	0.25	2.63	N/A	N/A
G5	Girder 1-Outer Surface Spall	1.75	1.5	0.25	2.63	N/A	N/A
G6	Girder 1 - Outer Surface Spall	1.75	1.5	0.25	2.63	N/A	N/A
G7	Girder 2 - Soffit Spall	7.5	1	0.25	7.50	N/A	N/A
G8	Girder 4 - Vertical Surface Spall	7.25	0.5	0.25	3.63	N/A	N/A
G9	Girder 4 - Soffit Spall	7.5	1	0.25	7.50	N/A	N/A
S1	Soffit in Bay 1 Spall	1	1	0.25	1.00	N/A	N/A
S2	Soffit in Bay 1 Spall	1	1	0.25	1.00	N/A	N/A
S3	Soffit in Bay 1 Spall	1	1	0.25	1.00	N/A	N/A
TOTALS					48.88	7.50	7.50



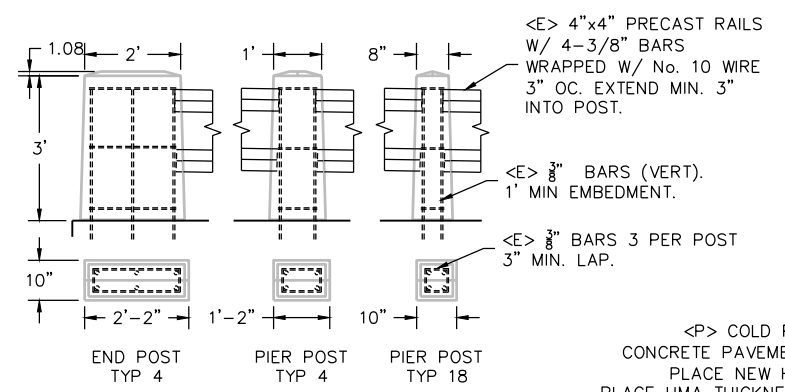
- NOTES:
- 1) ALL EXISTING DIMENSIONS ARE APPROXIMATE.
 - 2) EXISTING UTILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
 - 3) THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.
 - 4) FOR TYPICAL CONCRETE REMOVAL AND REPAIR DETAILS, SEE SHEET 3.

NOTE:
-DIMENSIONS APPROXIMATED FROM FIELD MEASUREMENTS, RLB NOVEMBER 2017.
-INFORMATION REGARDING EXISTING REINFORCEMENT IS UNAVAILABLE. REINFORCEMENT SHOWN IS FOR ILLUSTRATION PURPOSES ONLY.



BAR IS ONE INCH ON ORIGINAL DRAWING	ROAD NAME: COFFEE CREEK ROAD	DESIGN SECTION
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NO.: 3G010 MILE POST: 2.21	ENGINEERING
	PROJECT NO.: BPMP 5904(156)	DESIGNED BY: RLB
	CONTRACT NO.: 216156	DRAWN BY: RMD
	DRAWING FILE NAME: 216156 CDSN 04C-0170	REVIEWED BY: JAB
	PLOT DATE: 10/12/2022 REVISION DATE:	APPROVED BY: TRS

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS	SHEET
BRIDGE PREVENTIVE MAINTENANCE PROGRAM	10
(04C-0170) PERRY SLOUGH BRIDGE	OF
PLAN, PROFILE, SECTIONS AND DETAILS	16



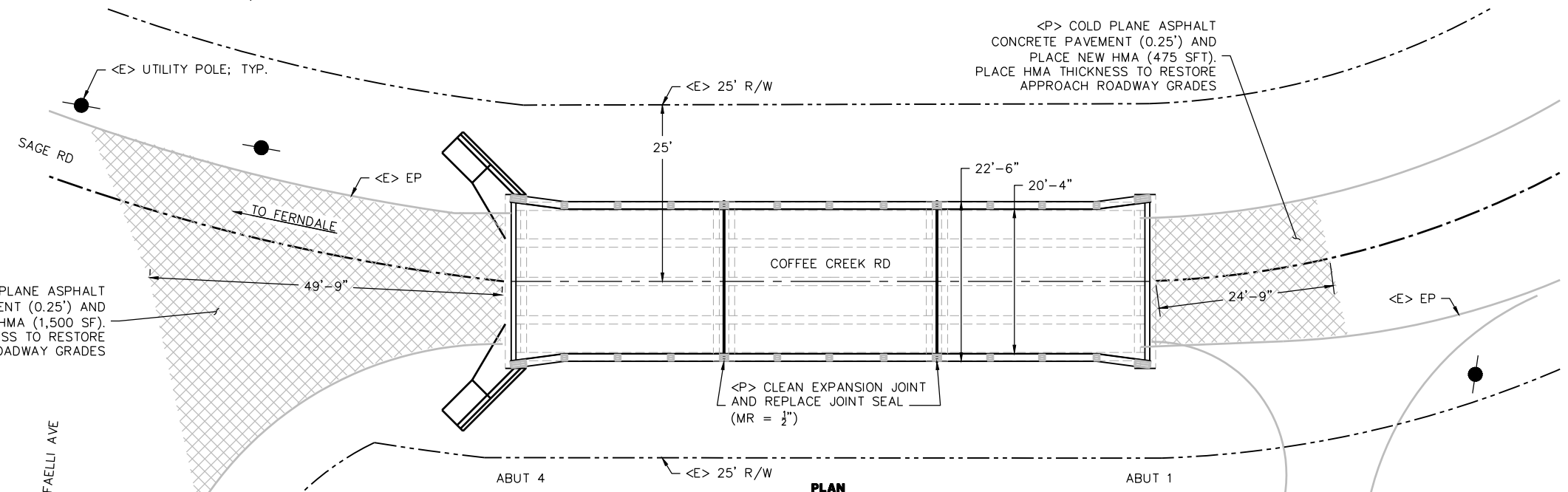
EXISTING GUARD RAIL POST DETAIL
SCALE: 1" = 2'

<E> UTILITY POLE; TYP.

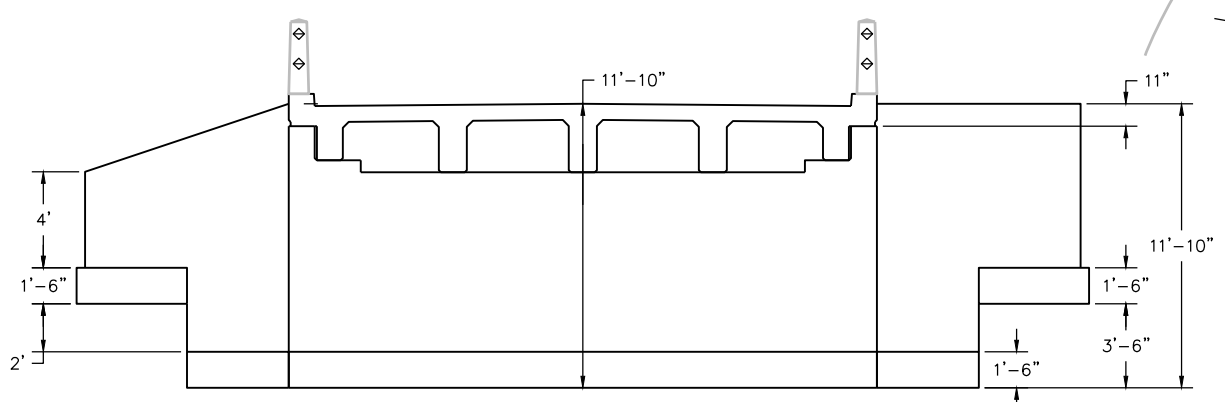
<E> 25' R/W

<E> EP

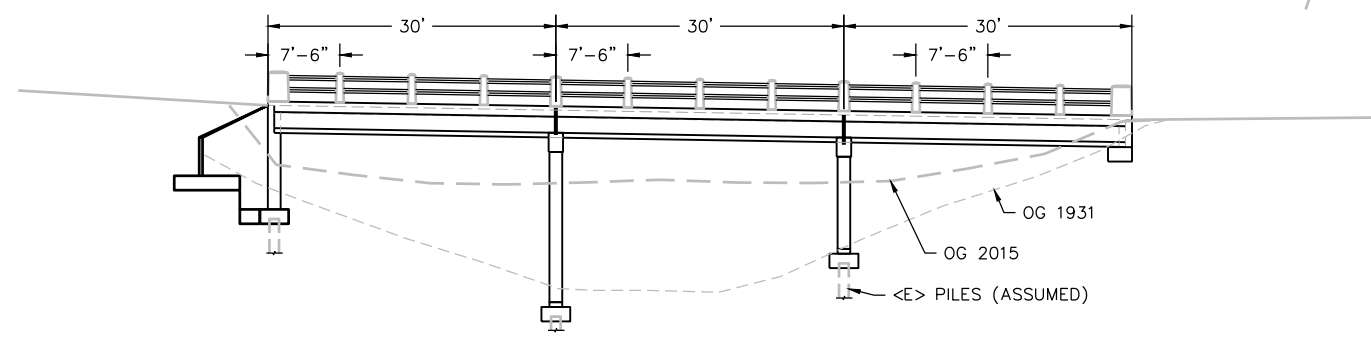
<P> COLD PLANE ASPHALT CONCRETE PAVEMENT (0.25') AND PLACE NEW HMA (1,500 SF). PLACE HMA THICKNESS TO RESTORE APPROACH ROADWAY GRADES



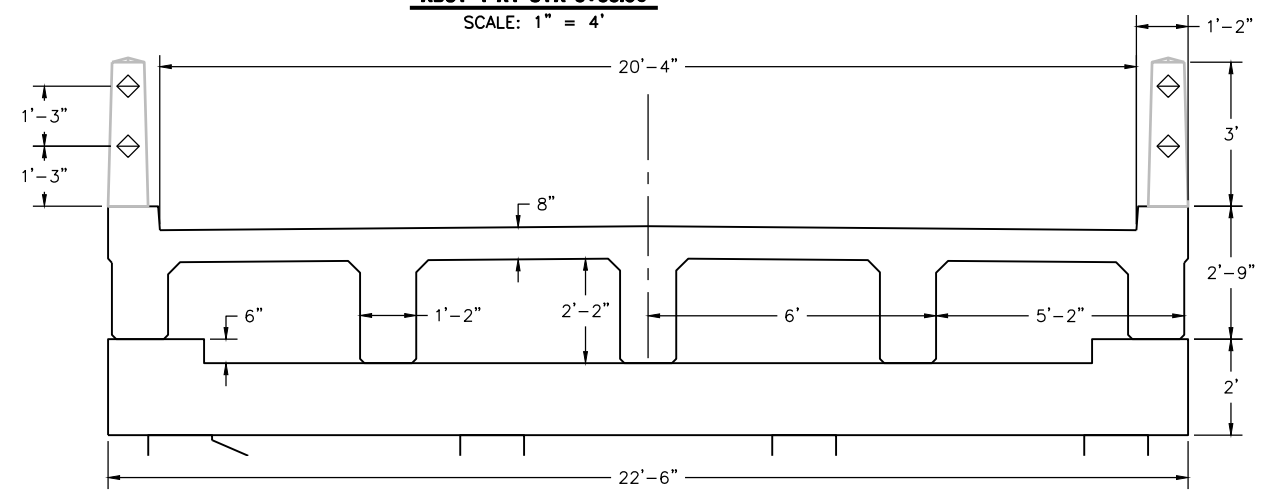
PLAN
SCALE: 1" = 10'



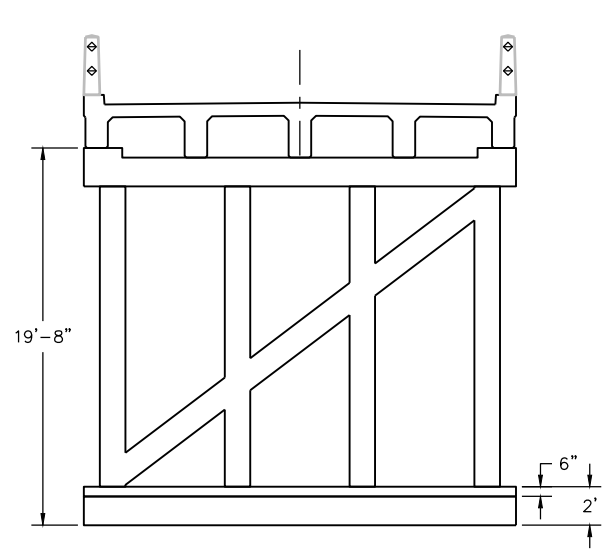
ABUT 4 AT STA 3+33.50
SCALE: 1" = 4'



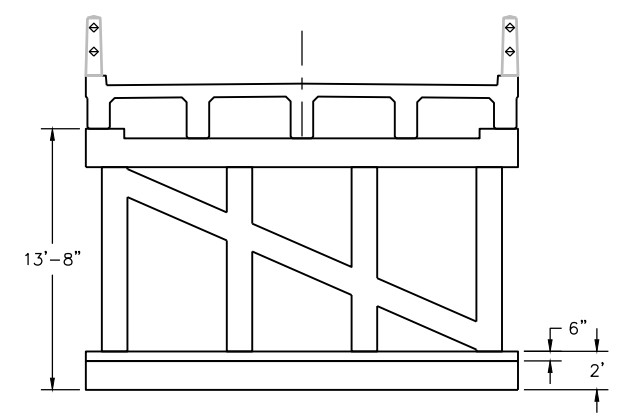
PROFILE
SCALE: 1" = 10'



TYPICAL SECTION
SCALE: 1" = 2'



BENT AT STA 3+63.50
SCALE: 1" = 5'

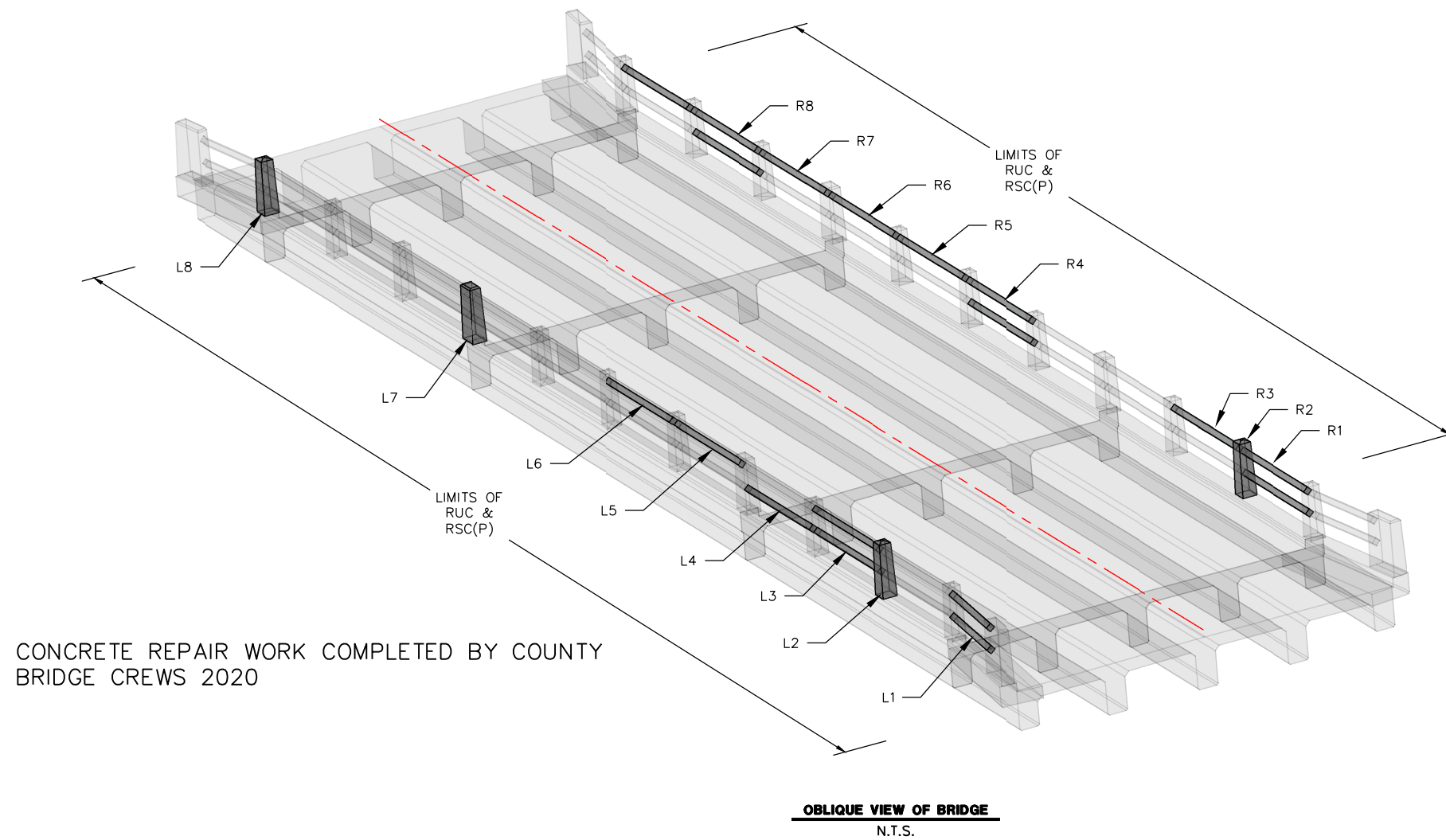


BENT AT STA 3+93.50
SCALE: 1" = 5'

- NOTES:
- 1) ALL EXISTING DIMENSIONS ARE APPROXIMATE.
 - 2) EXISTING UTILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
 - 3) THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: COFFEE CREEK ROAD	DESIGN SECTION	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS	SHEET 11 OF 16	
	ROAD NO.: 3G010	MILE POST: 2.21			ENGINEERING
	PROJECT NO.: BPMP 5904(156)	DESIGNED BY: RLB			BRIDGE PREVENTIVE MAINTENANCE PROGRAM
	CONTRACT NO.: 216156	DRAWN BY: RMD			(04C-0170) PERRY SLOUGH BRIDGE
	DRAWING FILE NAME: 216156 CDSN 04C-0170	REVIEWED BY: JAB	REPAIR DETAILS		
	PLOT DATE: 10/12/2022	REVISION DATE:	APPROVED BY: TRS		

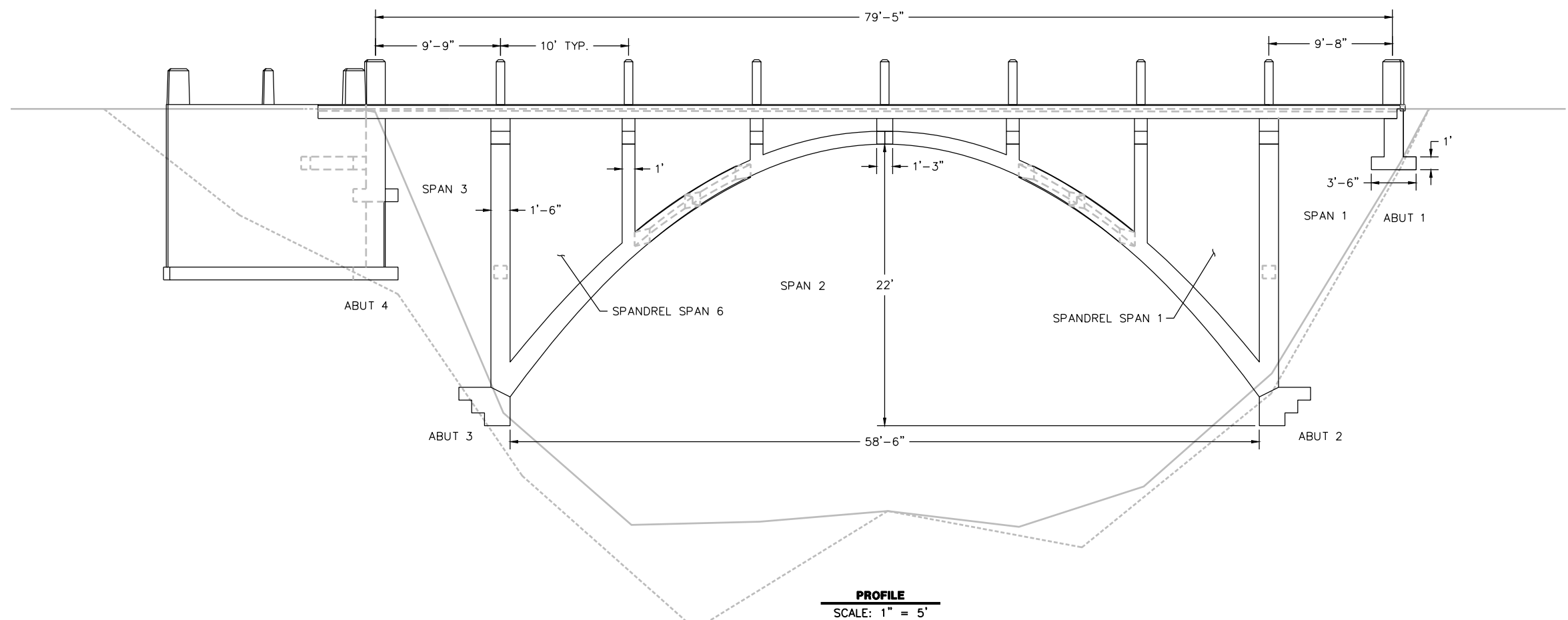
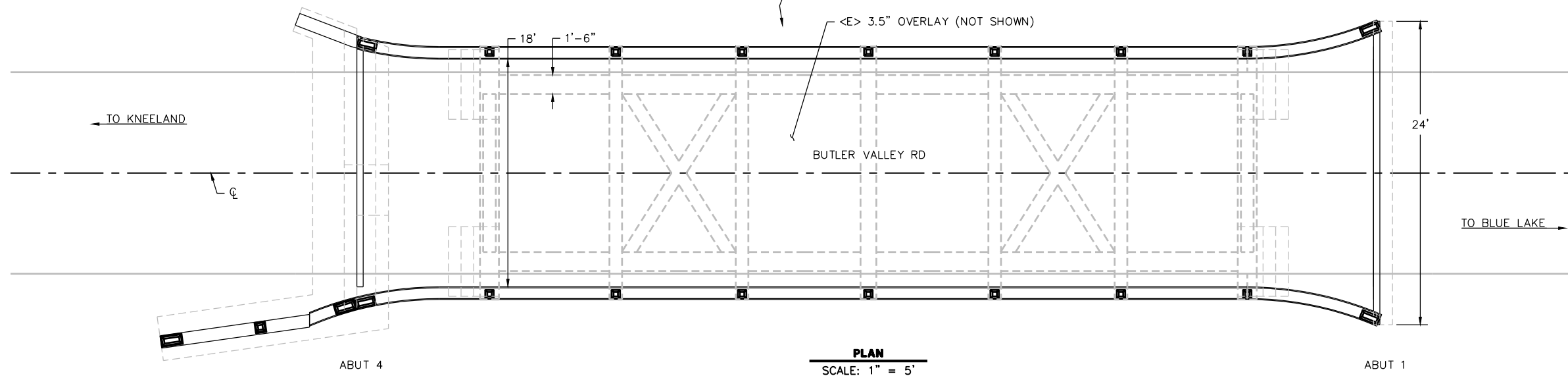


- NOTES:
- 1) ALL EXISTING DIMENSIONS ARE APPROXIMATE.
 - 2) EXISTING UTILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
 - 3) THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: BUTLER VALLEY ROAD	DESIGN SECTION	
	ROAD NO.: F5J031	MILE POST: 7.76	ENGINEERING
	PROJECT NO.: BPMP 5904(156)		DESIGNED BY: RLB
	CONTRACT NO.: 216156		DRAWN BY: RMD
	DRAWING FILE NAME: 216156 CDSN 04C-0187		REVIEWED BY: JAB
PLOT DATE: 10/12/2022	REVISION DATE:	APPROVED BY: TRS	

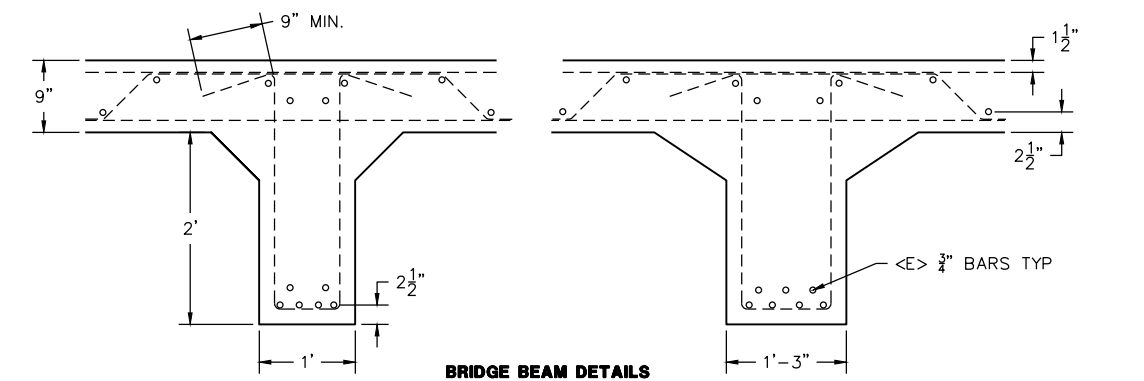
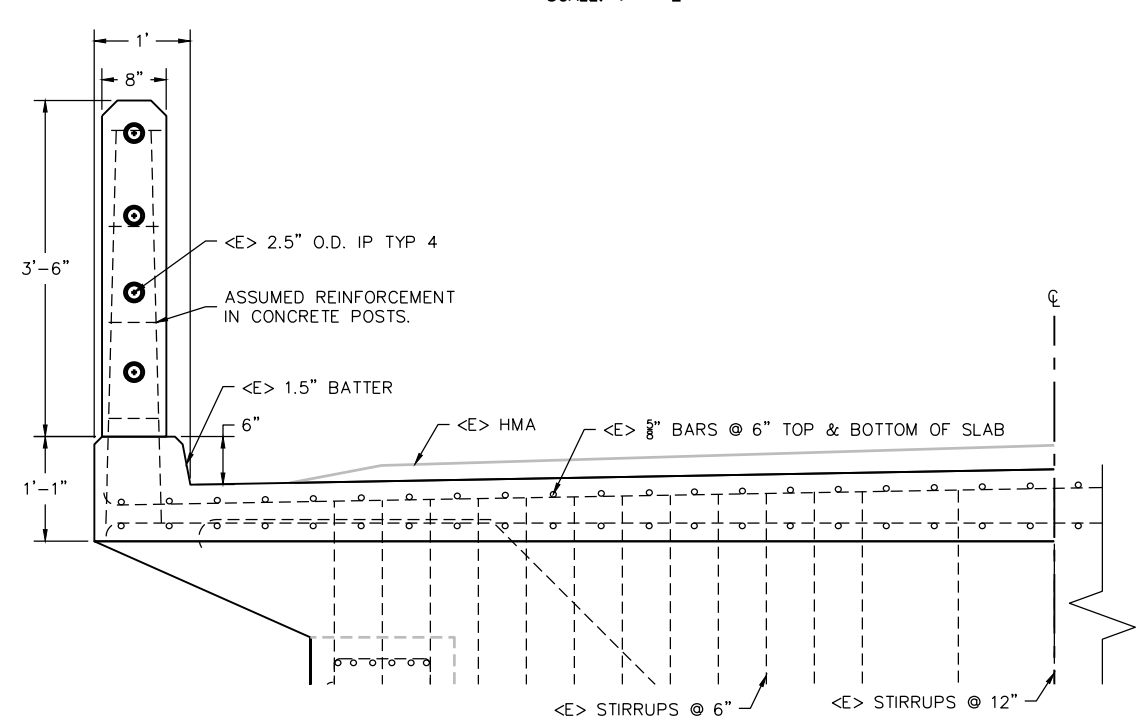
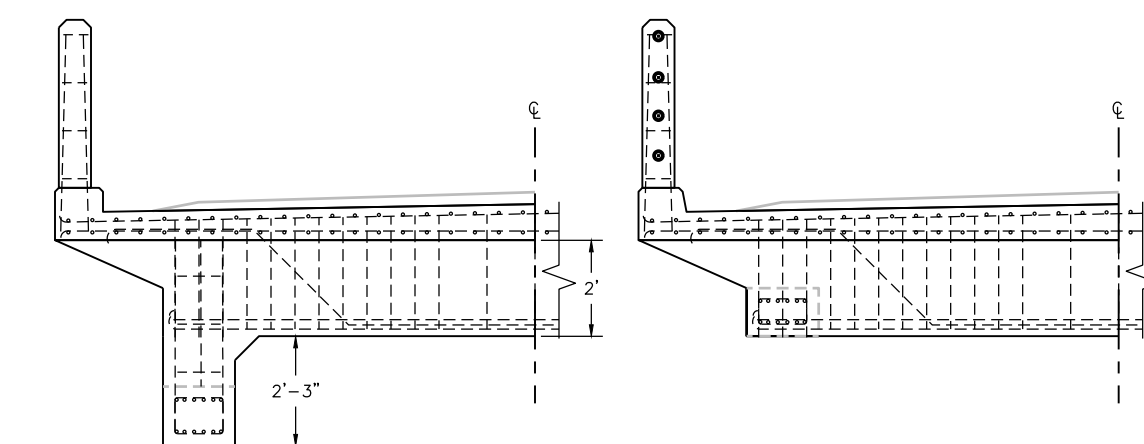
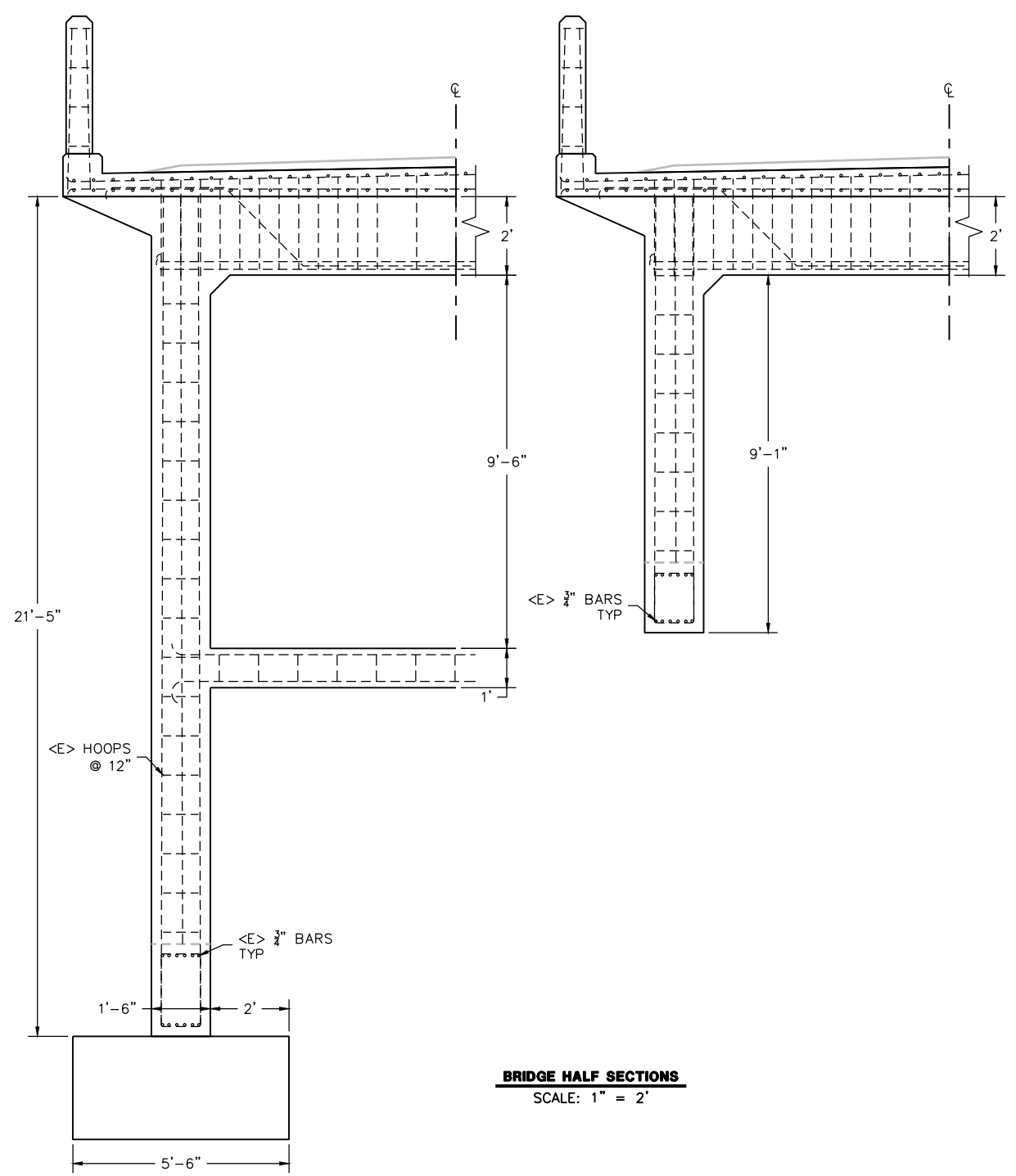
COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS BRIDGE PREVENTIVE MAINTENANCE PROGRAM (04C-0187) MAPLE CREEK BRIDGE PLAN AND PROFILE	SHEET
	12
	OF
	16



- NOTES:
- 1) ALL EXISTING DIMENSIONS ARE APPROXIMATE.
 - 2) EXISTING UTILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
 - 3) THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.
 - 4) CONTROL ALL DEBRIS AND CONSTRUCTION MATERIALS USING PROTECTIVE MEASURES THAT PREVENT DEBRIS FROM ENTERING THE CREEK AND CHANNEL DURING BRIDGE WORK. CONTAINMENT MEASURES MUST BE SUPPORTED FROM SCAFFOLDING SUSPENDED FROM THE BRIDGE AND CANNOT BE INSTALLED FROM BELOW OR SUPPORTED FROM THE CHANNEL. TRAFFIC MUST BE MAINTAINED DURING CONSTRUCTION OPERATIONS.
 - 5) CONSTRUCT SCAFFOLDING PER SECTION 7-1.02K(6)(e) OF THE SPECIAL PROVISIONS.
 - 6) FOR CONCRETE REMOVAL AND REPAIR DETAILS, SEE THE FOLLOWING SHEETS AND SHEET 3



BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: BUTLER VALLEY ROAD	DESIGN SECTION	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS BRIDGE PREVENTIVE MAINTENANCE PROGRAM (04C-0187) MAPLE CREEK BRIDGE TYPICAL SECTIONS AND DETAILS	SHEET 13 OF 16	
	ROAD NO.: F5J031	MILE POST: 7.76			ENGINEERING
	PROJECT NO.: BPMP 5904(156)				DESIGNED BY: RLB
	CONTRACT NO.: 216156				DRAWN BY: RMD
	DRAWING FILE NAME: 216156 CDSN 04C-0187		REVIEWED BY: JAB		
	PLOT DATE: 10/12/2022	REVISION DATE:	APPROVED BY: TRS		



- NOTES:
- 1) ALL EXISTING DIMENSIONS ARE APPROXIMATE.
 - 2) EXISTING UTILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
 - 3) THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.
 - 4) BRIDGE IS SYMMETRIC ABOUT CENTERLINE.



ROAD NAME: BUTLER VALLEY ROAD	DESIGN SECTION: ENGINEERING
ROAD NO.: F5J031	MILE POST: 7.76
PROJECT NO.: BIMP 5904(156)	DESIGNED BY: RLB
CONTRACT NO.: 216156	DRAWN BY: RMD
DRAWING FILE NAME: 216156 CDSN 04C-0187	REVIEWED BY: JAB
PLOT DATE: 10/12/2022	APPROVED BY: TRS
REVISION DATE:	

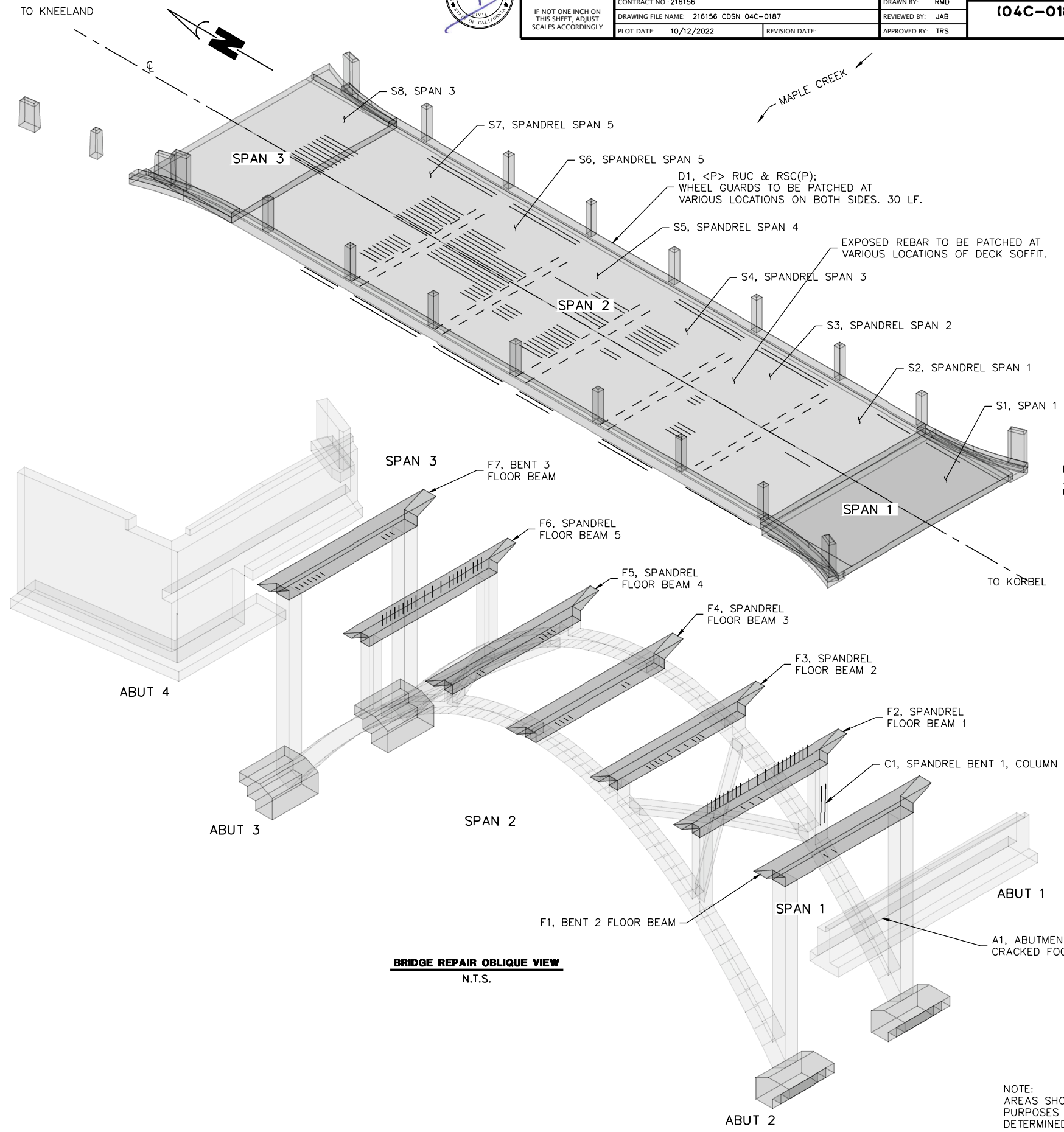
COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
BRIDGE PREVENTIVE MAINTENANCE PROGRAM
(04C-0187) MAPLE CREEK BRIDGE REPAIR DETAILS

SHEET
14
OF
16

CONCRETE REPAIR TABLE

LOCATION	DESCRIPTION	APPROXIMATE DIMENSIONS			RSSA (SF)	RUC (CF)	RSC(P) (CF)																																																																																																															
		LENGTH (FT)	WIDTH (FT)	DEPTH (FT)																																																																																																																		
D1	Deck Wheel Guards at various locations	30.00	1.00	0.25	N/A	7.50	7.50																																																																																																															
S1	Soffit, Span 1, 3 bars exposed	3.00	1.00	0.25	3.00	N/A	N/A																																																																																																															
S2	Soffit, Spandrel Span 1, 5 bars exposed	14.00	1.00	0.25	14.00	N/A	N/A																																																																																																															
S3	Soffit, Spandrel Span 2, 11 bars exposed	42.00	1.00	0.25	42.00	N/A	N/A																																																																																																															
S4	Soffit, Spandrel Span 3, 9 bars exposed	42.00	1.00	0.25	42.00	N/A </tr <tr> <td>S5</td> <td>Soffit, Spandrel Span 4, 15 bars exposed</td> <td>55.00</td> <td>1.00</td> <td>0.25</td> <td>55.00</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>S6</td> <td>Soffit, Spandrel Span 5, 21 bars exposed</td> <td>87.00</td> <td>1.00</td> <td>0.25</td> <td>87.00</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>S7</td> <td>Soffit, Spandrel Span 6, 24 bars exposed</td> <td>61.00</td> <td>1.00</td> <td>0.25</td> <td>61.00</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>S8</td> <td>Soffit, Span 3, 8 bars exposed</td> <td>22.00</td> <td>1.00</td> <td>0.25</td> <td>22.00</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>F1</td> <td>Bent 2 Floor Beam - 3 bars exposed</td> <td>6.00</td> <td>1.00</td> <td>0.25</td> <td>6.00</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>F2</td> <td>Spandrel Floor Beam 1 - 16 stirrups</td> <td>17.00</td> <td>1.00</td> <td>0.25</td> <td>17.00</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>F3</td> <td>Spandrel Floor Beam 2 - 4 stirrups</td> <td>8.00</td> <td>1.00</td> <td>0.25</td> <td>8.00</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>F4</td> <td>Spandrel Floor Beam 3 - 1 stirrup</td> <td>5.00</td> <td>1.00</td> <td>0.25</td> <td>5.00</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>F5</td> <td>Spandrel Floor Beam 4 - 5 stirrups</td> <td>5.00</td> <td>1.00</td> <td>0.25</td> <td>5.00</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>F6</td> <td>Spandrel Floor Beam 5 - 4 stirrups</td> <td>13.00</td> <td>1.00</td> <td>0.25</td> <td>13.00</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>F7</td> <td>Bent 3 Floor Beam - 4 stirrups</td> <td>6.00</td> <td>1.00</td> <td>0.25</td> <td>6.00</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>A1</td> <td>Abutment 1 Footing Crack</td> <td>5.40</td> <td>0.50</td> <td>0.25</td> <td>2.70</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td>C1</td> <td>Spandrel Bent 1, Column 2 - 3 bars exposed</td> <td>22.00</td> <td>1.00</td> <td>0.25</td> <td>22.00</td> <td>N/A</td> <td>N/A</td> </tr> <tr> <td colspan="5" style="text-align: right;">TOTALS</td> <td>410.70</td> <td>7.50</td> <td>7.50</td> </tr>	S5	Soffit, Spandrel Span 4, 15 bars exposed	55.00	1.00	0.25	55.00	N/A	N/A	S6	Soffit, Spandrel Span 5, 21 bars exposed	87.00	1.00	0.25	87.00	N/A	N/A	S7	Soffit, Spandrel Span 6, 24 bars exposed	61.00	1.00	0.25	61.00	N/A	N/A	S8	Soffit, Span 3, 8 bars exposed	22.00	1.00	0.25	22.00	N/A	N/A	F1	Bent 2 Floor Beam - 3 bars exposed	6.00	1.00	0.25	6.00	N/A	N/A	F2	Spandrel Floor Beam 1 - 16 stirrups	17.00	1.00	0.25	17.00	N/A	N/A	F3	Spandrel Floor Beam 2 - 4 stirrups	8.00	1.00	0.25	8.00	N/A	N/A	F4	Spandrel Floor Beam 3 - 1 stirrup	5.00	1.00	0.25	5.00	N/A	N/A	F5	Spandrel Floor Beam 4 - 5 stirrups	5.00	1.00	0.25	5.00	N/A	N/A	F6	Spandrel Floor Beam 5 - 4 stirrups	13.00	1.00	0.25	13.00	N/A	N/A	F7	Bent 3 Floor Beam - 4 stirrups	6.00	1.00	0.25	6.00	N/A	N/A	A1	Abutment 1 Footing Crack	5.40	0.50	0.25	2.70	N/A	N/A	C1	Spandrel Bent 1, Column 2 - 3 bars exposed	22.00	1.00	0.25	22.00	N/A	N/A	TOTALS					410.70	7.50	7.50
S5	Soffit, Spandrel Span 4, 15 bars exposed	55.00	1.00	0.25	55.00	N/A	N/A																																																																																																															
S6	Soffit, Spandrel Span 5, 21 bars exposed	87.00	1.00	0.25	87.00	N/A	N/A																																																																																																															
S7	Soffit, Spandrel Span 6, 24 bars exposed	61.00	1.00	0.25	61.00	N/A	N/A																																																																																																															
S8	Soffit, Span 3, 8 bars exposed	22.00	1.00	0.25	22.00	N/A	N/A																																																																																																															
F1	Bent 2 Floor Beam - 3 bars exposed	6.00	1.00	0.25	6.00	N/A	N/A																																																																																																															
F2	Spandrel Floor Beam 1 - 16 stirrups	17.00	1.00	0.25	17.00	N/A	N/A																																																																																																															
F3	Spandrel Floor Beam 2 - 4 stirrups	8.00	1.00	0.25	8.00	N/A	N/A																																																																																																															
F4	Spandrel Floor Beam 3 - 1 stirrup	5.00	1.00	0.25	5.00	N/A	N/A																																																																																																															
F5	Spandrel Floor Beam 4 - 5 stirrups	5.00	1.00	0.25	5.00	N/A	N/A																																																																																																															
F6	Spandrel Floor Beam 5 - 4 stirrups	13.00	1.00	0.25	13.00	N/A	N/A																																																																																																															
F7	Bent 3 Floor Beam - 4 stirrups	6.00	1.00	0.25	6.00	N/A	N/A																																																																																																															
A1	Abutment 1 Footing Crack	5.40	0.50	0.25	2.70	N/A	N/A																																																																																																															
C1	Spandrel Bent 1, Column 2 - 3 bars exposed	22.00	1.00	0.25	22.00	N/A	N/A																																																																																																															
TOTALS					410.70	7.50	7.50																																																																																																															

LEGEND:
D - DECK
S - SOFFIT
F - FLOOR BEAM
A - ABUTMENT
C - COLUMN



D1, <P> RUC & RSC(P);
WHEEL GUARDS TO BE PATCHED AT
VARIOUS LOCATIONS ON BOTH SIDES. 30 LF.

EXPOSED REBAR TO BE PATCHED AT
VARIOUS LOCATIONS OF DECK SOFFIT.

NOTE:
ALL WORK BELOW THE BRIDGE DECK IS RSSA
UNLESS NOTED OTHERWISE.

BRIDGE REPAIR OBLIQUE VIEW
N.T.S.

- NOTES:
- 1) ALL EXISTING DIMENSIONS ARE APPROXIMATE.
 - 2) EXISTING UTILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
 - 3) THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.
 - 4) FOR CONCRETE REMOVAL AND REPAIR DETAILS, SEE THE FOLLOWING SHEETS AND SHEET 3

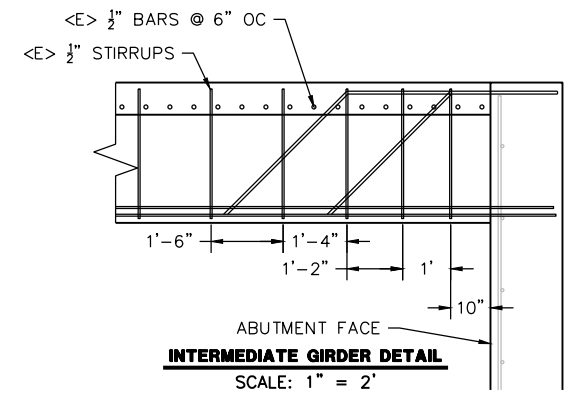
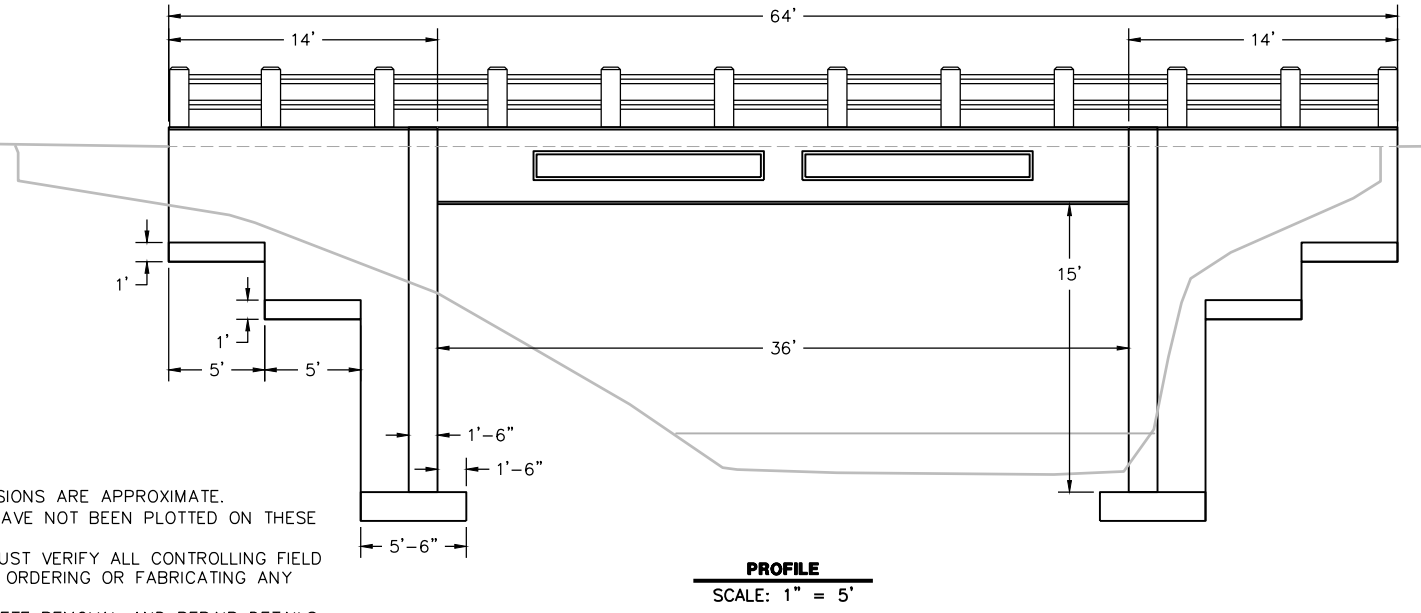
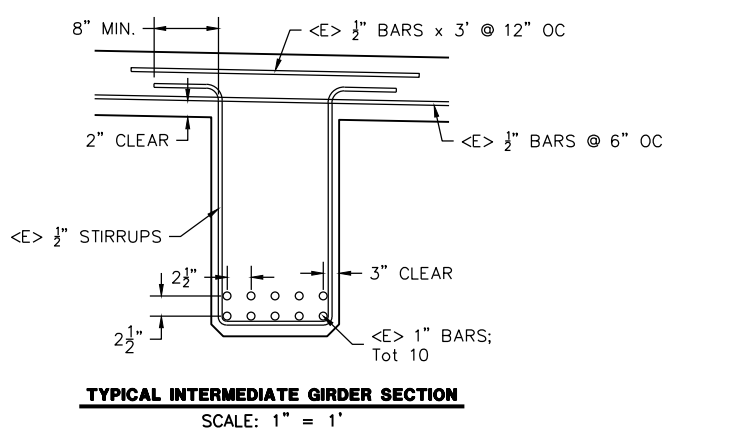
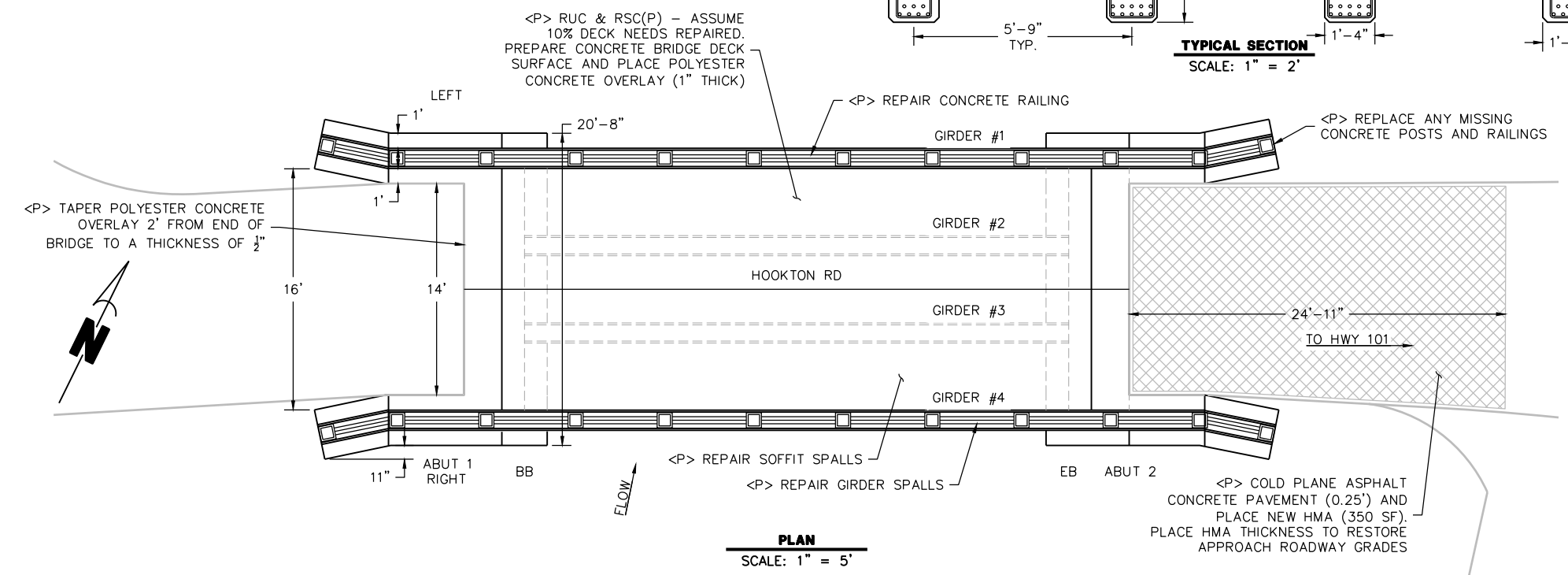
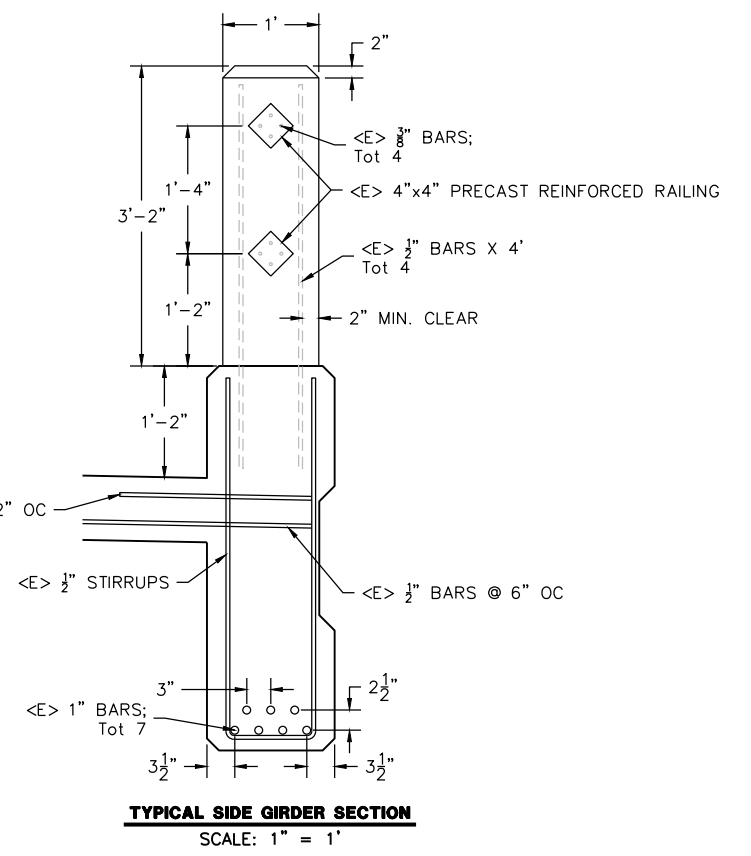
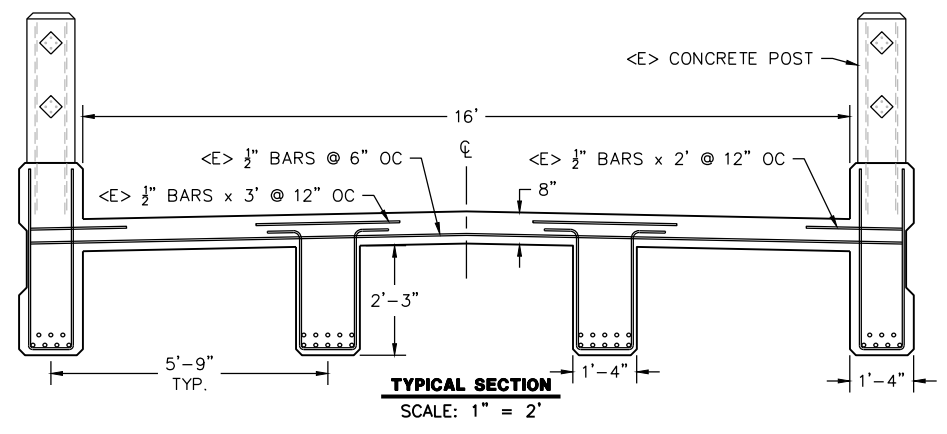
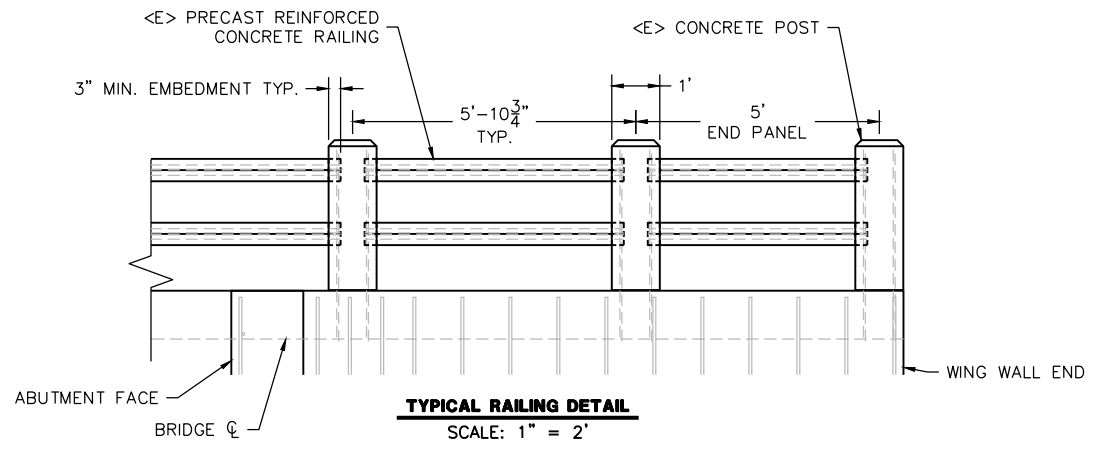
NOTE:
AREAS SHOWN ON THESE PLANS ARE FOR ESTIMATION
PURPOSES ONLY. ACTUAL AREA AND LOCATION WILL BE
DETERMINED IN THE FIELD BY ENGINEER.



ROAD NAME: HOOKTON ROAD	DESIGN SECTION
ROAD NO.: C3H015	ENGINEERING
PROJECT NO.: BPMP 5904(156)	DESIGNED BY: RLB
CONTRACT NO.: 216156	DRAWN BY: RMD
DRAWING FILE NAME: 216156 CDSN 04C-0201	REVIEWED BY: JAB
PLOT DATE: 10/12/2022	APPROVED BY: TRS
REVISION DATE:	

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
BRIDGE PREVENTIVE MAINTENANCE PROGRAM
(04C-0201) SALMON CREEK BRIDGE
PLAN, PROFILE, SECTIONS AND DETAILS

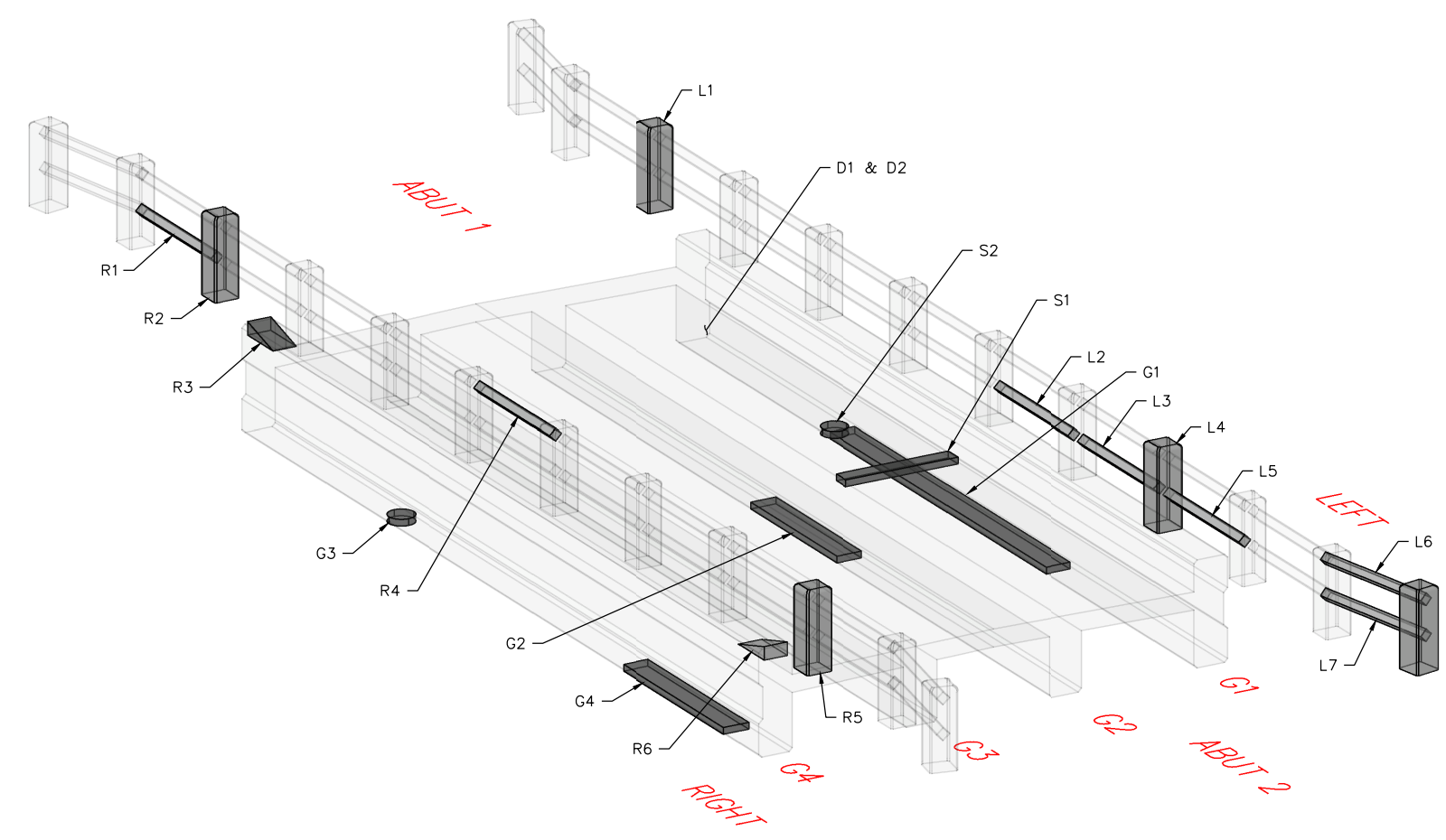
SHEET
15
OF
16



- NOTES:
- 1) ALL EXISTING DIMENSIONS ARE APPROXIMATE.
 - 2) EXISTING UTILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
 - 3) THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.
 - 4) FOR TYPICAL CONCRETE REMOVAL AND REPAIR DETAILS, SEE SHEET 3.



BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: HOOKTON ROAD	DESIGN SECTION: ENGINEERING	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS			SHEET 16 OF 16	
	ROAD NO.: C3H015	MILE POST: 0.10	DESIGNED BY: RLB	BRIDGE PREVENTIVE MAINTENANCE PROGRAM			
	PROJECT NO.: BPMP 5904(156)		DRAWN BY: RMD	(04C-0201) SALMON CREEK BRIDGE			
	CONTRACT NO.: 216156		REVIEWED BY: JAB	REPAIR DETAILS			
	DRAWING FILE NAME: 216156 CDSN 04C-0201	REVISION DATE:	APPROVED BY: TRS				
	PLOT DATE: 10/12/2022						



OBLIQUE VIEW
SCALE: 1" = 5'

CONCRETE REPAIR TABLE

LOCATION	DESCRIPTION	APPROXIMATE DIMENSIONS			RSSA (SF)	RUC (CF)	RSC(P) (CF)
		LENGTH (FT)	WIDTH (FT)	DEPTH (FT)			
R1	Rails - Bottom - Spall	-	-	-	-	-	-
R2	Post 3 - Spall	-	-	-	-	-	-
R3	Curb - Broken	0.50	1.00	1.00	N/A	0.50	0.50
R4	Rail Top - Complete Loss	-	-	-	-	-	-
R5	Post 10 - Fracture & Spall	-	-	-	-	-	-
R6	Curb- rebar exposed	-	-	-	-	-	-
L1	Post 3 - Spall, rail not supported	-	-	-	-	-	-
L2	Rail - Bottom - Rebar Exposed	-	-	-	-	-	-
L3	Rail - Bottom - Rebar Exposed	-	-	-	-	-	-
L4	Post 9 - cracked, reconstruct post	-	-	-	-	-	-
L5	Rail-bottom, rebar exposed	-	-	-	-	-	-
L6	Rail - Top & Bottom, missing rails	-	-	-	-	-	-
L7	Post 12-missing post, reconstruct	-	-	-	-	-	-
D1	Deck popouts various (10% deck area)	624.00	0.10	0.25	N/A	15.60	15.60
D2	Deck: Rebar exposed at 9 locations	1.00	0.50	0.25	N/A	0.13	0.13
G1	Girder 1: Spalls and delaminated concrete	15.00	1.33	0.25	19.95	N/A	N/A
G2	Girder 2: spalls and delaminated concrete	6.00	1.33	0.25	7.98	N/A	N/A
G3	Girder 4: Spall at bottom of girder	1.00	1.00	0.25	1.00	N/A	N/A
G4	Girder 4: Spall at bottom of girder	7.00	1.00	0.25	7.00	N/A	N/A
G5	Numerous longitudinal cracks and delaminations	50.00	0.25	0.25	12.50	N/A	N/A
S1	Soffit in Girder Bay 1: spall-exposed rebar	6.00	1.00	0.25	6.00	N/A	N/A
S2	Soffit in Girder Bay 1: spall-exposed rebar	1.00	1.00	0.25	1.00	N/A	N/A
TOTALS					55.43	16.23	16.23

PORTIONS OF CONCRETE REPAIR WORK COMPLETED BY COUNTY BRIDGE CREWS 2020-2021

- NOTES:
- 1) ALL EXISTING DIMENSIONS ARE APPROXIMATE.
 - 2) EXISTING UTILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
 - 3) THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.
 - 4) FOR TYPICAL CONCRETE REMOVAL AND REPAIR DETAILS, SEE SHEET 3.