

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
PROJECT PLANS FOR CONSTRUCTION OF
BRIDGE PREVENTIVE MAINTENANCE PROJECT
VARIOUS LOCATIONS THROUGHOUT
HUMBOLDT COUNTY

PROJECT NO. BPMP 5904(140) / CONTRACT NO. 216140
PROJECT NO. BPMP 5904(154) / CONTRACT NO. 216154
PROJECT NO. BPMP 5904(155) / CONTRACT NO. 216155

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- (04C-0029) SALT RIVER BRIDGE PLAN, PROFILE, SECTIONS AND DETAILS
- (04C-0052) MAD RIVER BRIDGE PLAN, PROFILE AND SECTIONS
- (04C-0078) MATTOLE RIVER BRIDGE PLAN AND PROFILE
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- (04C-0116) REDWOOD CREEK BRIDGE PLAN, PROFILE AND TYP. SECTION
- (04C-0116) REDWOOD CREEK BRIDGE CONCRETE DECK REPAIR DETAILS
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- (04C-0167) DAVIS CREEK BRIDGE PLAN, PROFILE AND TYP. SECTION
- (04C-0206) WARREN CREEK BRIDGE PLAN, PROFILE AND TYP. SECTIONS
- (04C-0206) WARREN CREEK BRIDGE DELAMINATION AND SPALL LOCATIONS
- (04C-0223) WILSON CREEK BRIDGE PLAN, PROFILE AND TYP. SECTIONS



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.

(SEE APPLICABLE STANDARD PLAN LIST IN SPECIAL PROVISIONS)

RECOMMENDED

Jeffrey A. Ball 5-26-2021
JEFFREY A. BALL
RCE 70631, Exp. 6/30/2021
DATE



APPROVED

Tony R. Seghetti 5/26/21
TONY R. SEGHETTI
RCE 63714, Exp. 9/30/2022
DATE





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ROAD NAME: VARIOUS

ROAD NO.: VARIOUS

PROJECT NO.: VARIOUS

CONTRACT NO.: VARIOUS

DRAWING FILE NAME: 216XXX CDSN 001

PLOT DATE: 05/25/2021

MILE POST: VARIOUS

DESIGN SECTION

ENGINEERING

DESIGNED BY: RLB

DRAWN BY: RMD

REVIEWED BY: JAB

APPROVED BY: TRS

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS

BRIDGE PREVENTIVE MAINTENANCE PROGRAM

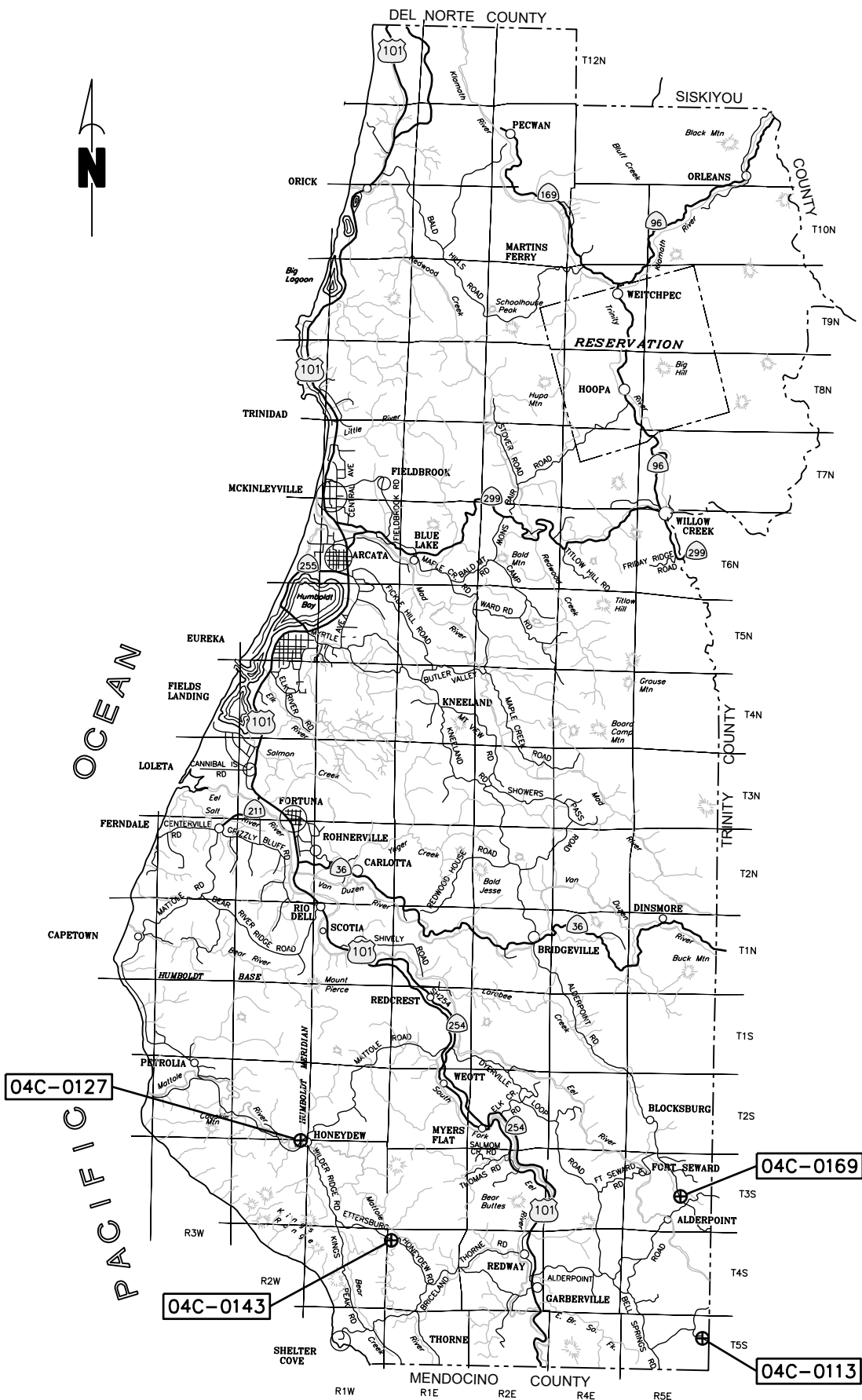
PROJECT GROUP 5904(140)
VICINITY MAP, SITES AND QUANTITIES

SHEET

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OF

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VICINITY MAP
NOT TO SCALE

PROJECT GROUP SITES

(04C-0113) CHAMISE CREEK BRIDGE
(8A020) ISLAND MOUNTAIN ROAD PM 5.66
LAT: 40.037031
LONG: -123.554086

(04C-0127) UPPER NORTH FORK MATTOLE RIVER BRIDGE
(3D030) BURRELL ROAD PM 0.49
LAT: 40.244020
LONG: -124.131828

(04C-0143) BEAR CREEK BRIDGE
(5B020) ALBERT ETTER ROAD / ETTER RANCH ROAD PM 0.23
LAT: 40.137200
LONG: -123.999427

(04C-0169) SOUTH DOBBYN CREEK BRIDGE
(F6B165) ALDERPOINT ROAD PM 19.66
LAT: 40.191608
LONG: -123.588855

BID QUANTITIES

ITEM NO.	ITEM CODE	ITEM DESCRIPTION	UNIT	04C-0113	04C-0127	04C-0143	04C-0169	Total
1	120100	Traffic Control System	LS	0.40	0.20	0.20	0.20	1
2	130100	Job Site Management	LS	0.25	0.25	0.25	0.25	1
3	130200	Prepare Water Pollution Control Program	LS	0.25	0.25	0.25	0.25	1
4	141120	Treated Wood Waste Disposal	LBS	38,000	0	0	0	38,000
5	390132	Hot Mix Asphalt (Type A)	TON	13	10	11	0	34
6	398200	Cold Plane Asphalt Concrete (0.3')	SY	62	49	53	0	164
7	510010	Structural Concrete (Modify Abutment, Repair Bridge Rail Posts)	CY	1	0	0	1	2
8	511106	Drill and Bond Dowels (Modify Abutment)	EA	16	0	0	0	16
9	519088	Joint Seal (MR 1")	LF	0	25	0	0	25
10	520101	Bar Reinforcing Steel (Modify Abutment)	LBS	95	0	0	0	95
11	570120	Treated Lumber and Timber	MFBM	13	0	0	0	13
12	600033	Remove Unsound Concrete	CF	0	0	0	2	2
13	600114	Bridge Removal (Portion)	LS	0.50	0	0	0.50	1
14	999990	Mobilization	LS	0.40	0.20	0.20	0.20	1



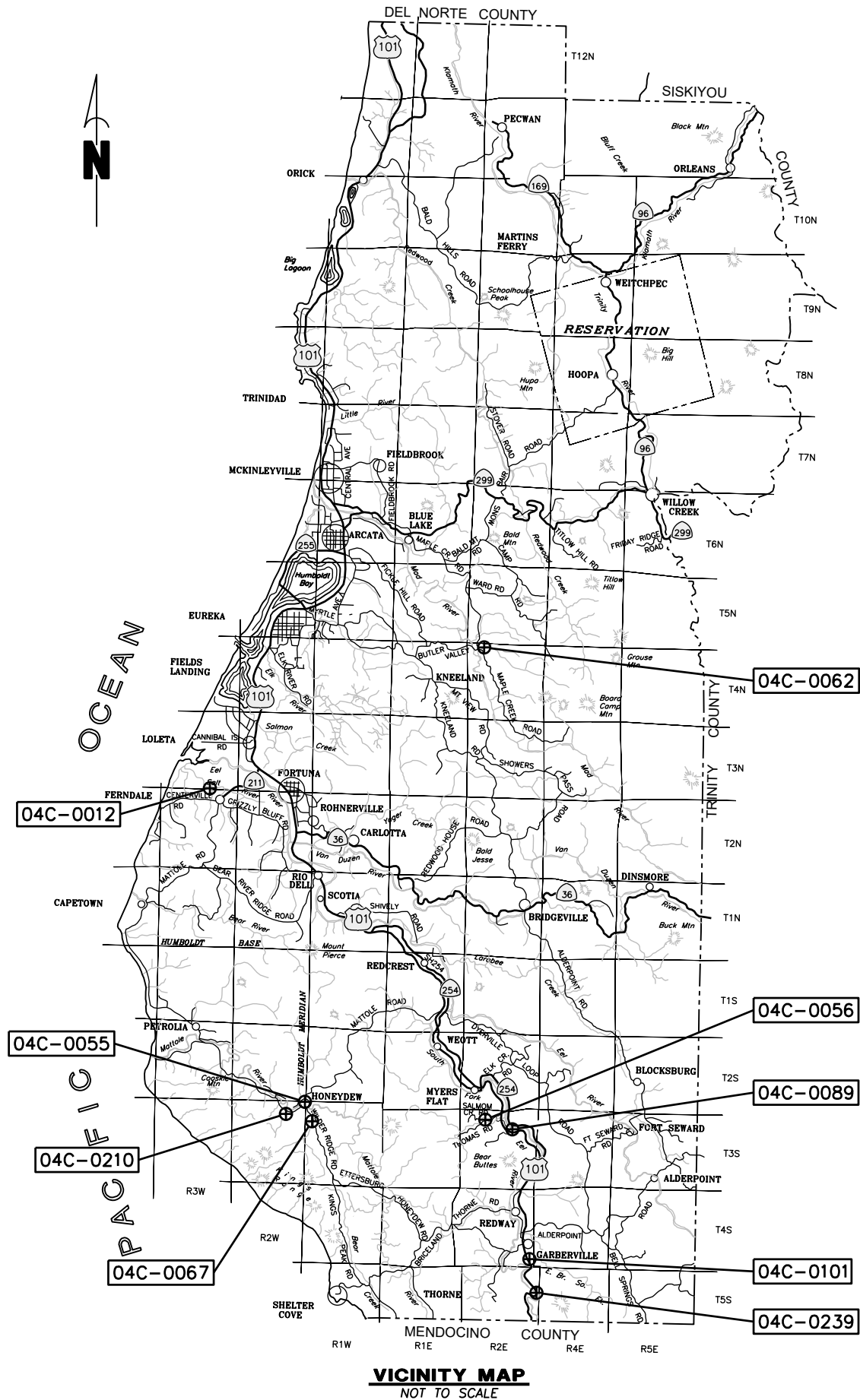
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: VARIOUS	DESIGN SECTION	COUNTY OF HUMBOLDT	SHEET 3 OF 36
	ROAD NO.: VARIOUS	ENGINEERING	DEPARTMENT OF PUBLIC WORKS	
	PROJECT NO.: VARIOUS	DESIGNED BY: RLB	BRIDGE PREVENTIVE MAINTENANCE PROGRAM	
	CONTRACT NO.: VARIOUS	DRAWN BY: RMD	PROJECT GROUP 5904(154)	
	DRAWING FILE NAME: 216XXX CDSN 001	REVIEWED BY: JAB	VICINITY MAP, SITES AND QUANTITIES	
	PLOT DATE: 05/25/2021	REVISION DATE:		
		APPROVED BY: TRS		

PROJECT GROUP SITES

(04C-0012) SALT RIVER BRIDGE (2H025) DILLON ROAD PM 0.01 LAT: 40.595 LONG: -124.273889	(04C-0089) SOUTH FORK EEL RIVER BRIDGE (6C010) MAPLE HILLS ROAD PM 0.24 LAT: 40.21814599 LONG: -123.81659761
(04C-0055) MATTOLE RIVER BRIDGE (3D010) MATTOLE ROAD PM 0.02 LAT: 40.24398902 LONG: -124.12292662	(04C-0101) EAST BRANCH SOUTH FORK EEL RIVER BRIDGE (6B180) BENBOW DRIVE PM 4.27 LAT: 40.07205833 LONG: -123.78763888
(04C-0056) SALMON CREEK BRIDGE (6C030) SALMON CREEK ROAD PM 2.65 LAT: 40.228450 LONG: -123.856805	(04C-0210) WOODS CREEK BRIDGE (3C010) MATTOLE ROAD PM 1.89 LAT: 40.22982596 LONG: -124.15031599
(04C-0062) BOULDER CREEK BRIDGE (5L100) MAPLE CREEK ROAD PM 0.43 LAT: 40.761287 LONG: -123.873292	(04C-0239) SOUTH FORK EEL RIVER BRIDGE (6B180) BENBOW DRIVE PM 0.50 LAT: 40.03427607 LONG: -123.77632465
(04C-0067) HONEYDEW CREEK BRIDGE (5B010) WILDER RIDGE ROAD PM 6.05 LAT: 40.222222 LONG: -124.111625	

BID QUANTITIES

ITEM NO.	ITEM CODE	ITEM DESCRIPTION	UNIT	04C-0012	04C-0055	04C-0056	04C-0062	04C-0067	04C-0089	04C-0101	04C-0210	04C-0239	Total
1	120100	Traffic Control System	LS	0.10	0.10	0.10	0.10	0.10	0.20	0.10	0.10	0.10	1
2	130100	Job Site Management	LS	0.10	0.10	0.10	0.10	0.10	0.20	0.10	0.10	0.10	1
3	130200	Prepare Water Pollution Control Program	LS	0.10	0.10	0.10	0.10	0.10	0.20	0.10	0.10	0.10	1
4	390132	Hot Mix Asphalt (Type A)	Ton	48	8	43	70	18	23	39	27	9	285
5	398205	Cold Plane Asphalt Concrete Pavement (0.25')	SY	290	45	305	250	110	135	230	160	55	1,580
6	840656	Paint Traffic Stripe (2 coat)	LF	60	0	0	0	0	50	68	70	20	268
7	999990	Mobilization	LS	0.10	0.10	0.10	0.20	0.10	0.10	0.10	0.10	0.10	1



VICINITY MAP
NOT TO SCALE



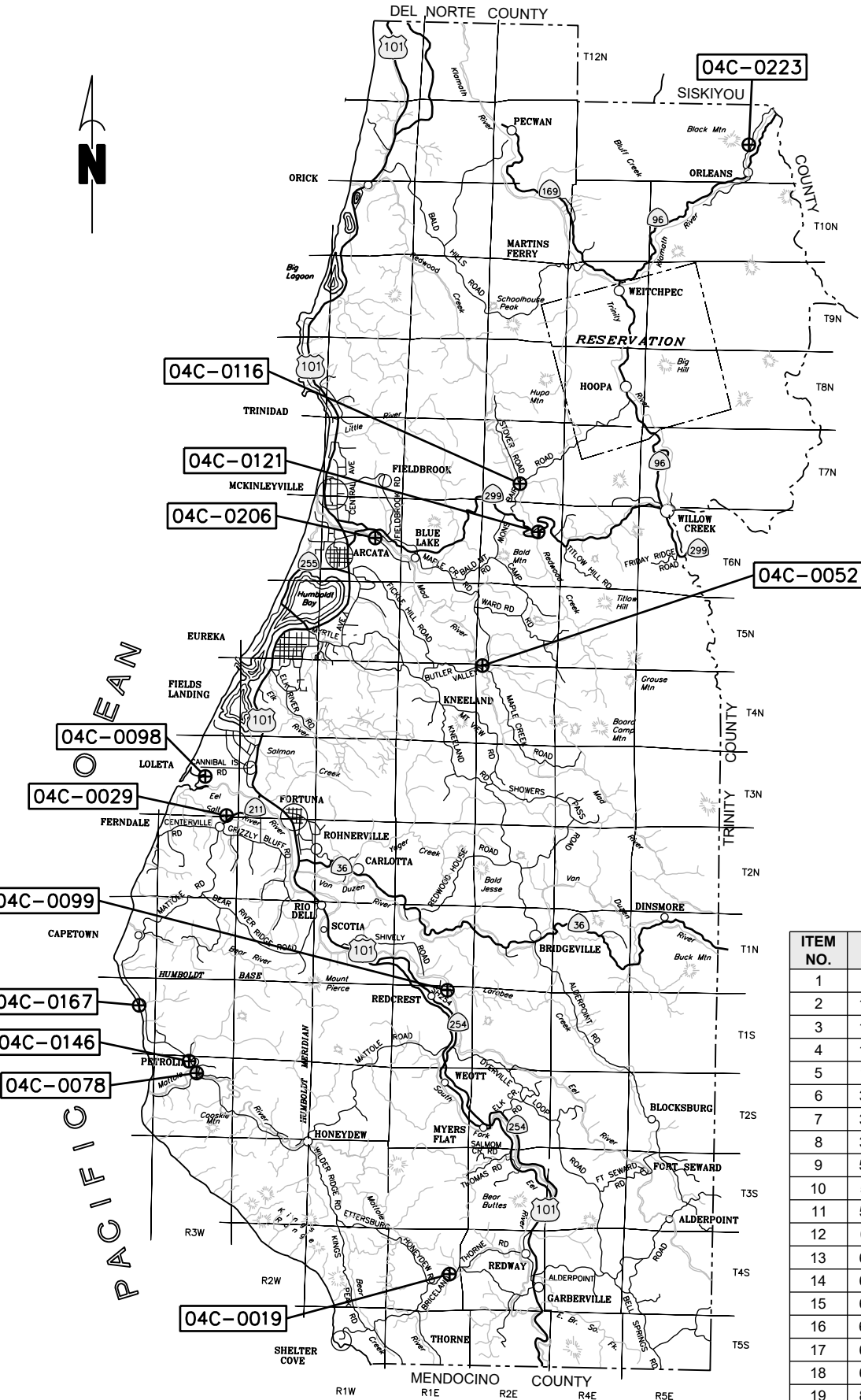
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ROAD NO.: VARIOUS	ENGINEERING
PROJECT NO.: VARIOUS	DESIGNED BY: RLB
CONTRACT NO.: VARIOUS	DRAWN BY: RMD
DRAWING FILE NAME: 216XXX CDSN 001	REVIEWED BY: JAB
PLOT DATE: 05/25/2021	APPROVED BY: TRS
REVISION DATE:	

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
BRIDGE PREVENTIVE MAINTENANCE PROGRAM
PROJECT GROUP 5904(155) VICINITY MAP, SITES AND QUANTITIES

SHEET
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OF
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VICINITY MAP
NOT TO SCALE

PROJECT GROUP SITES

- (04C-0019) CHINA CREEK BRIDGE
(F5A010) BRICELAND THORN ROAD PM 5.21
LAT: 40.101333
LONG: -123.916997
- (04C-0029) SALT RIVER BRIDGE
(2H040) FULMOR ROAD PM 0.00
LAT: 40.595
LONG: -124.25
- (04C-0052) MAD RIVER BRIDGE
(F5J031) BUTLER VALLEY ROAD PM 7.70
LAT: 40.765
LONG: -123.88888888
- (04C-0078) MATTOLE RIVER BRIDGE
(F3C010) MATTOLE ROAD PM 13.94
LAT: 40.31371506
LONG: -124.28318415
- (04C-0098) EEL RIVER BRIDGE
(2H090) COCK ROBIN ISLAND ROAD PM 0.73
LAT: 40.63694722
LONG: -124.28194722
- (04C-0099) LARABEE CREEK BRIDGE
(5E020) HOLMES FLAT ROAD / LARABEE CREEK ROAD PM 2.52
LAT: 40.41
LONG: -123.92888888

- (04C-0116) REDWOOD CREEK BRIDGE
(C6L300) BAIR ROAD PM 3.38
LAT: 40.96388888
LONG: -123.84
- (04C-0121) REDWOOD CREEK BRIDGE
(6L200) CHEZEM ROAD PM 1.49
LAT: 40.91194444
LONG: -123.81277777
- (04C-0146) NORTH FORK MATTOLE RIVER BRIDGE
(F3C010) MATTOLE ROAD PM 15.44
LAT: 40.325833
LONG: -124.293889
- (04C-0167) DAVIS CREEK BRIDGE
(F3C010) MATTOLE ROAD PM 22.20
LAT: 40.385333
LONG: -124.367778
- (04C-0206) WARREN CREEK BRIDGE
(5L010) WEST END ROAD PM 4.55
LAT: 40.90083333
LONG: -124.04694444
- (04C-0223) WILSON CREEK BRIDGE
(9R100) ISHI PISHI ROAD PM 2.96
LAT: 41.33777777
LONG: -123.52

BID QUANTITIES

ITEM NO.	ITEM CODE	ITEM DESCRIPTION	UNIT	04C-0019	04C-0029	04C-0052	04C-0078	04C-0098	04C-0099	04C-0116	04C-0121	04C-0146	04C-0167	04C-0206	04C-0223	Total
1	70030	Lead Compliance Plan	LS	0.40	0.00	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.30	0.00	0.00	1
2	120100	Traffic Control System	LS	0.10	0.05	0.10	0.10	0.05	0.05	0.10	0.10	0.10	0.10	0.10	0.05	1
3	130100	Job Site Management	LS	0.10	0.05	0.10	0.10	0.05	0.05	0.10	0.10	0.10	0.10	0.10	0.05	1
4	130200	Prepare Water Pollution Control Program	LS	0.10	0.05	0.10	0.10	0.05	0.05	0.10	0.10	0.10	0.10	0.10	0.05	1
5	141101	Remove Yellow Painted Traffic Stripe (Hazardous Waste)	LF	109	0	0	0	0	0	142	0	0	98	0	0	349
6	390132	Hot Mix Asphalt (1/2", Type A)	Ton	0	87	0	0	0	0	19	20	0	0	10	0	136
7	393006	Geosynthetic Pavement interlayer (Paving Grid, Class 2)	SY	0	475	0	0	0	0	0	0	0	0	0	0	475
8	398200	Cold Plane Asphalt Concrete Pavement (0.25')	SY	0	475	0	0	0	0	111	119	0	0	59	0	764
9	519088	Joint Seal (MR 1")	LF	0	0	0	54	0	33	0	0	0	0	0	0	87
10	519091	Joint Seal (MR 1-1/2")	LF	0	0	0	0	24	0	0	0	81	0	0	0	105
11	519100	Joint Seal (MR 2")	LF	0	0	0	0	24	0	0	0	0	0	0	0	24
12	600001	Public Safety Plan	LS	0.10	0.10	0.10	0.00	0.00	0.10	0.10	0.15	0.00	0.10	0.15	0.10	1
13	600013	Repair Spalled Surface Area	SF	0	0	0	2	0	0	560	0	0	0	74	0	636
14	600029	Remove Asphalt Concrete Surfacing	SF	0	0	0	0	0	0	0	2,020	0	0	534	0	2,554
15	600037	Prepare Concrete Bridge Deck Surface	SF	3,149	4,423	4,100	0	0	4,975	2,830	2,020	0	2,756	534	940	25,727
16	600045	Treat Bridge Deck (Methacrylate)	SF	3,149	4,423	4,100	0	0	4,975	2,830	2,020	0	2,756	534	940	25,727
17	600047	Furnish Bridge Deck Treatment Material	Gal	35	49	46	0	0	58	32	23	0	32	6	11	292
18	600114	Bridge Removal (Portion)	LS	0.00	0.40	0.00	0.00	0.00	0.00	0.30	0.00	0.00	0.00	0.30	0.00	1
19	840656	Paint Traffic Stripe (2 coat)	LF	109	0	0	0	0	0	142	0	0	98	0	0	349
20	999990	Mobilization	LS	0.10	0.05	0.10	0.10	0.05	0.05	0.10	0.10	0.10	0.10	0.10	0.05	1



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ROAD NO.: VARIOUS	PROJECT NO.: VARIOUS
CONTRACT NO.: VARIOUS	DRAWING FILE NAME: 216XXX CDSN 001
PLOT DATE: 05/25/2021	REVISION DATE:

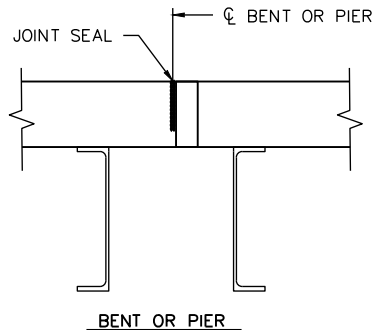
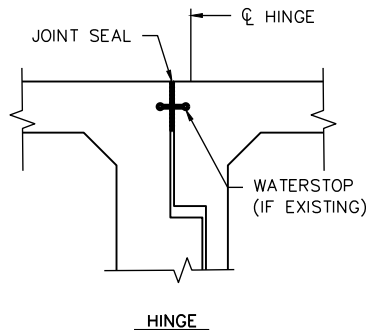
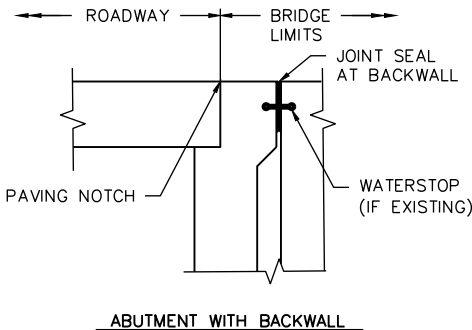
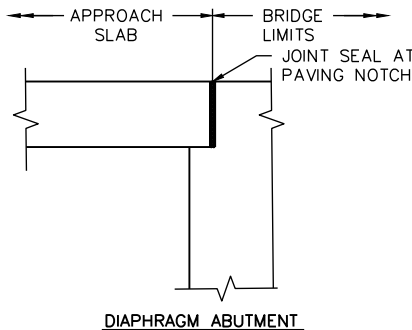
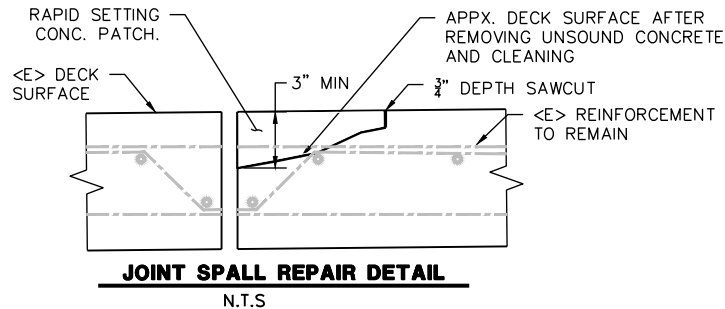
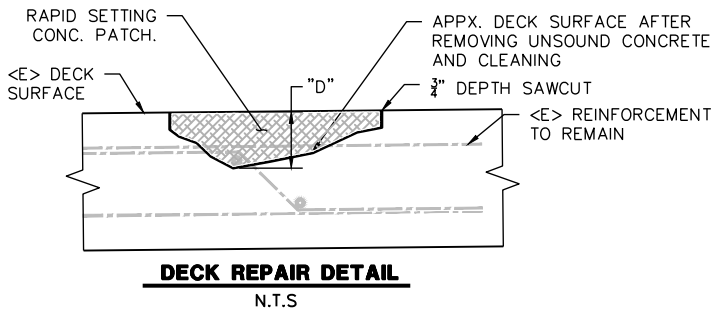
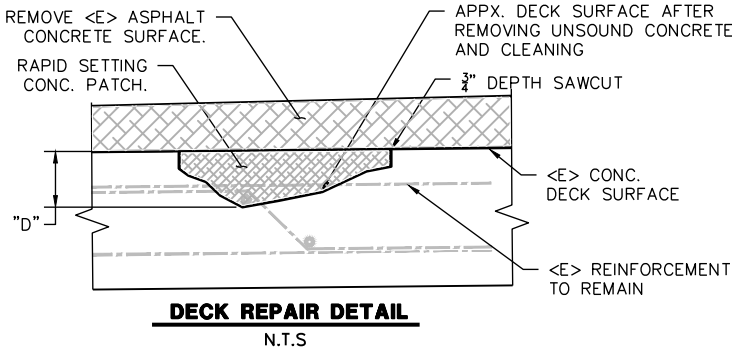
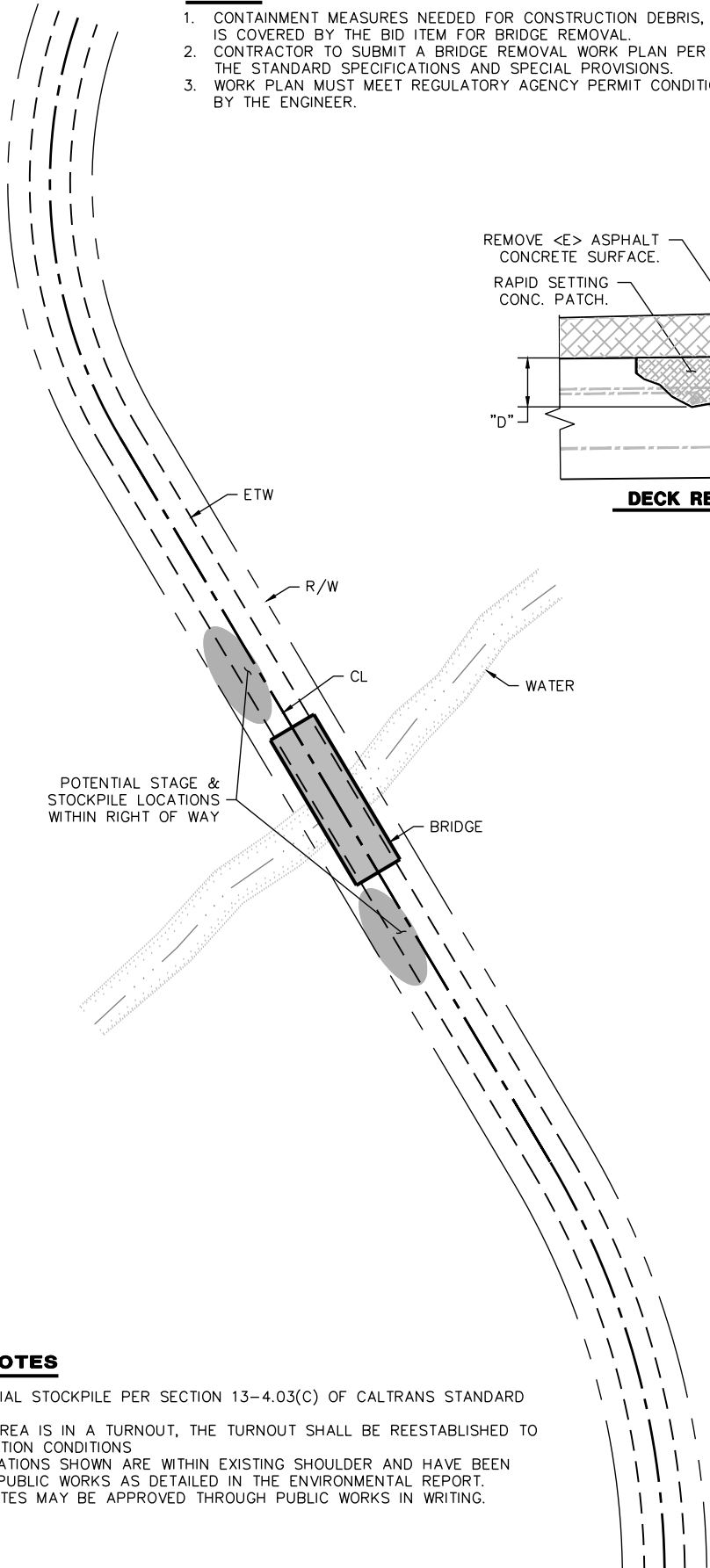
DESIGN SECTION
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DESIGNED BY: RLB
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APPROVED BY: TRS

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
BRIDGE PREVENTIVE MAINTENANCE PROGRAM
TYPICAL STAGING & STOCKPILE LOCATION, DECK REPAIR AND JOINT SEAL DETAILS

SHEET
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OF
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NOTES

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



DECK REPAIR NOTES

1. BEFORE REMOVING ANY ASPHALT CONCRETE SURFACING, VERIFY ASPHALT CONCRETE OVERLAY DEPTHS.
2. DECK 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.
3. APPROXIMATE DEPTH OF DAMAGED AREA IS TO BE DETERMINED IN THE FIELD. A DEPTH OF 3" IS ASSUMED UNLESS OTHERWISE NOTED.
4. REINFORCEMENT MAY BE ENCOUNTERED DURING DECK 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.
5. SAW CUTTING OF EXISTING TRANSVERSE REINFORCEMENT MUST BE APPROVED IN ADVANCE BY THE ENGINEER.
6. REMOVE UNSOUND CONCRETE AND UNSOUND CONCRETE PATCHES TO EXPOSE SOUND, HARD CONCRETE SUBSTRATE. REPLACE ORIGINAL DECK SURFACE WITH RAPID SETTING CONCRETE PATCH.
7. 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.

JOINT SEAL LOCATION
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 FOL LOWS:
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.

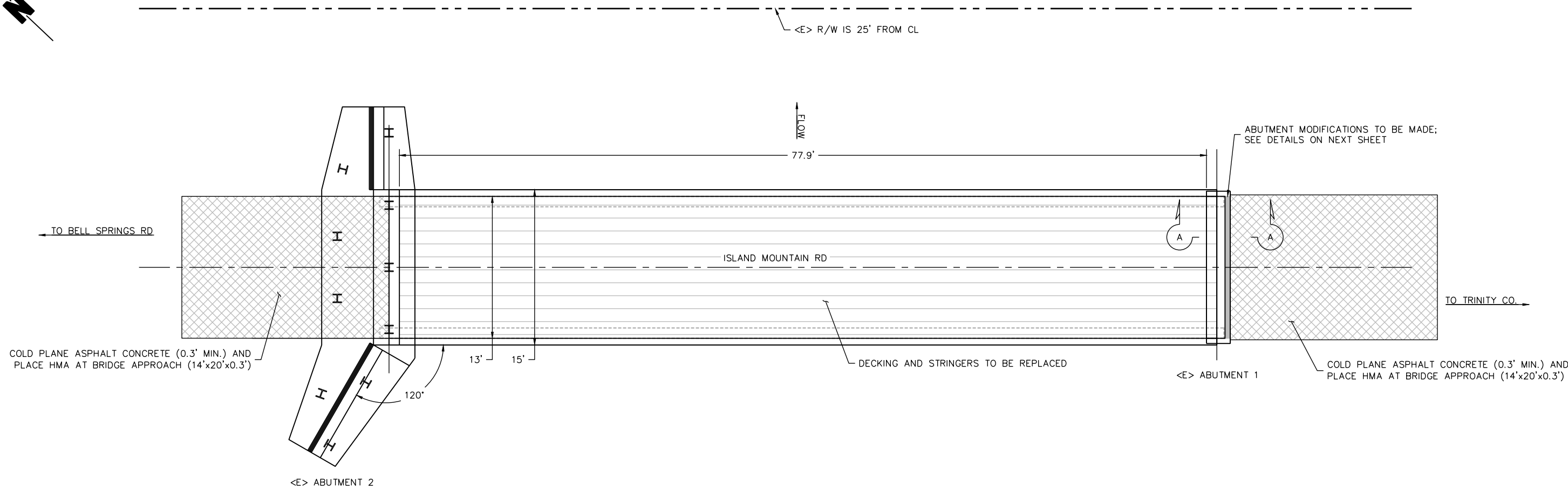
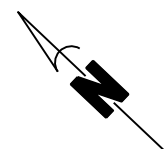
STOCKPILE NOTES

1. MANAGE MATERIAL 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.

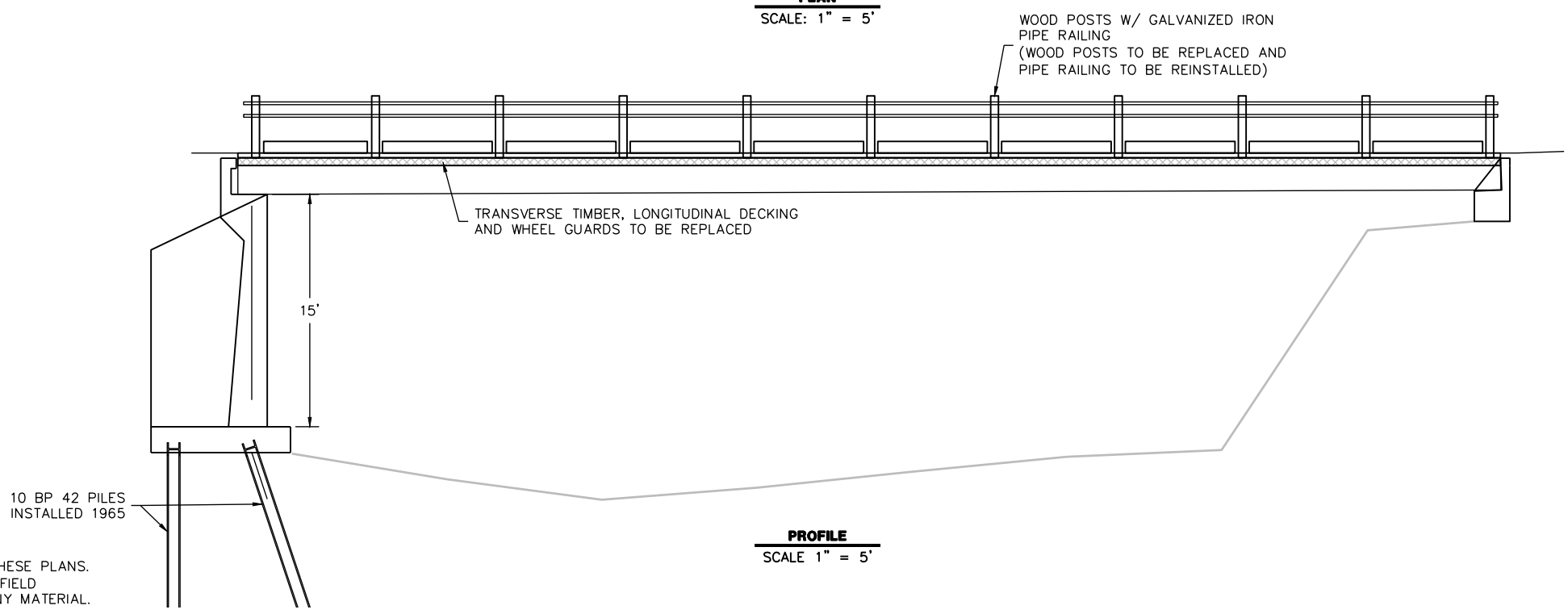
TYPICAL STAGING & STOCKPILE LOCATIONS
NOT TO SCALE



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	ROAD NO.: 8A020	MILE POST: 5.66	ENGINEERING		
	PROJECT NO.: BPMP 5904(140)		DESIGNED BY: RLB		
	CONTRACT NO.: 216140		DRAWN BY: RMD		
	DRAWING FILE NAME: 216140_CDSN 04C-0113		REVIEWED BY: JAB		
	PLOT DATE: 05/25/2021	REVISION DATE:	APPROVED BY: TRS		



PLAN
SCALE: 1" = 5'

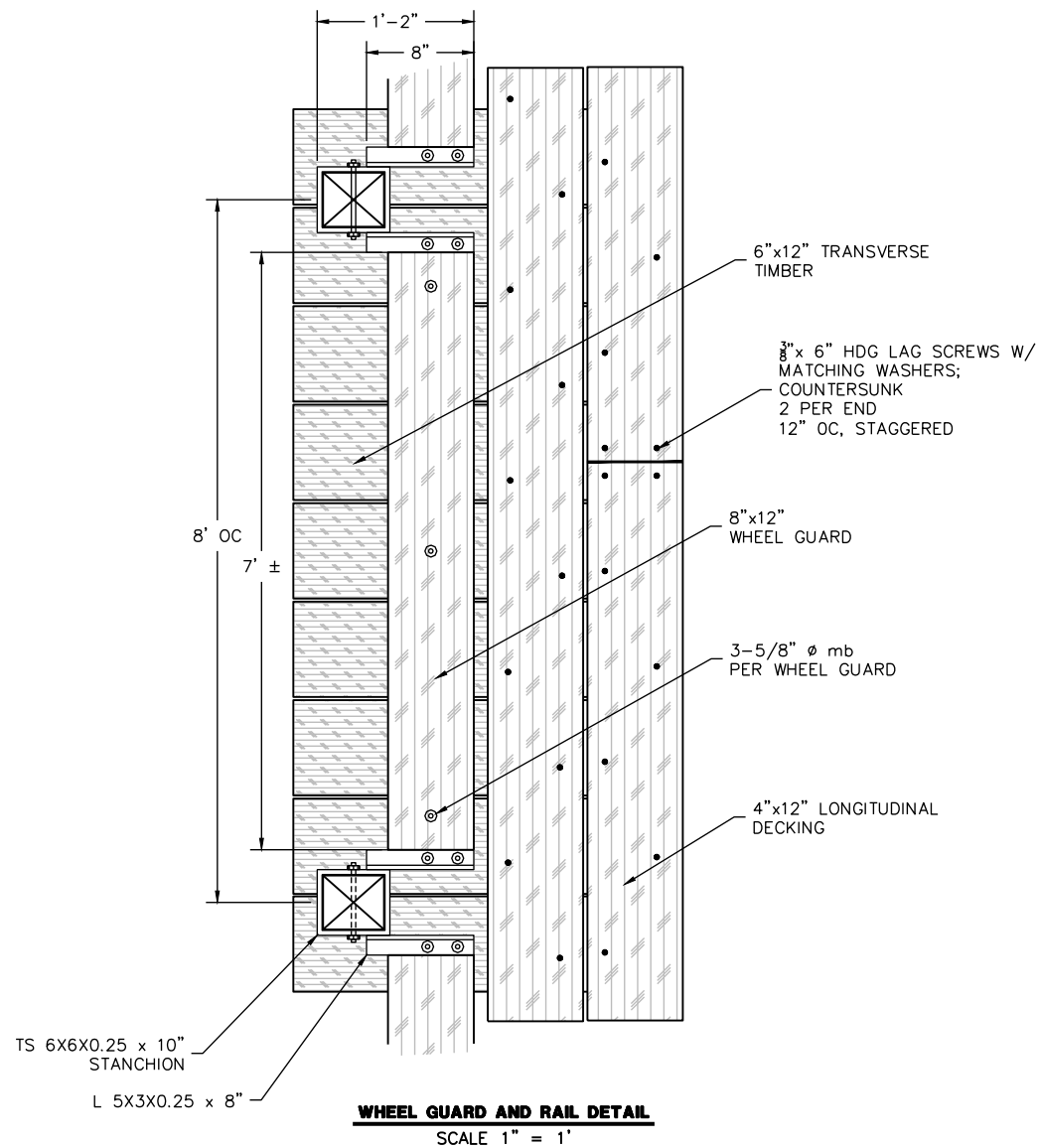


NOTES:
1) ALL EXISTING DIMENSIONS ARE APPROXIMATE.
2) EXISTING UTILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
3) THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

NOTE:
1. STRUCTURAL TIMBER AND LUMBER SHALL BE DOUGLAS FIR NO. 1 OR BETTER.
2. PRESSURE TREATED (PT) TIMBER AND LUMBER SHALL CONFORM TO SPECIAL PROVISION.



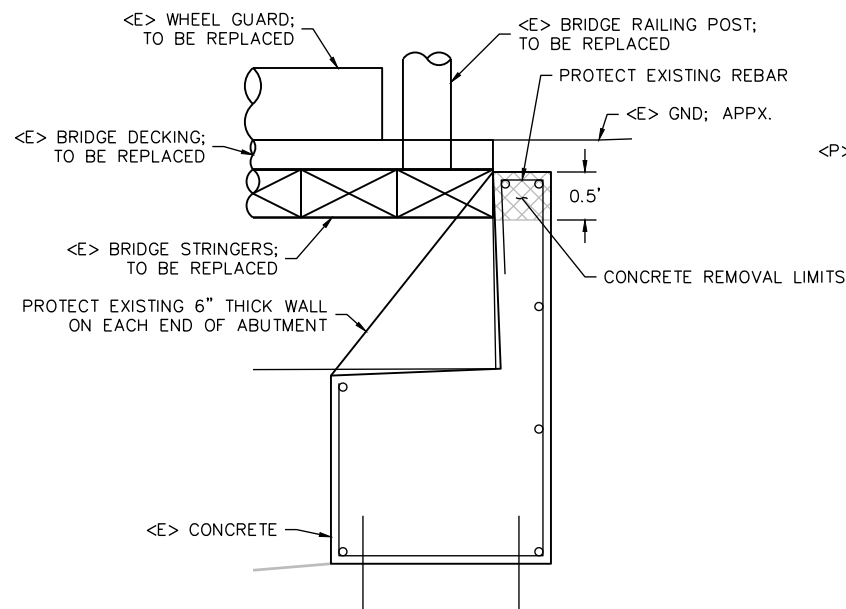
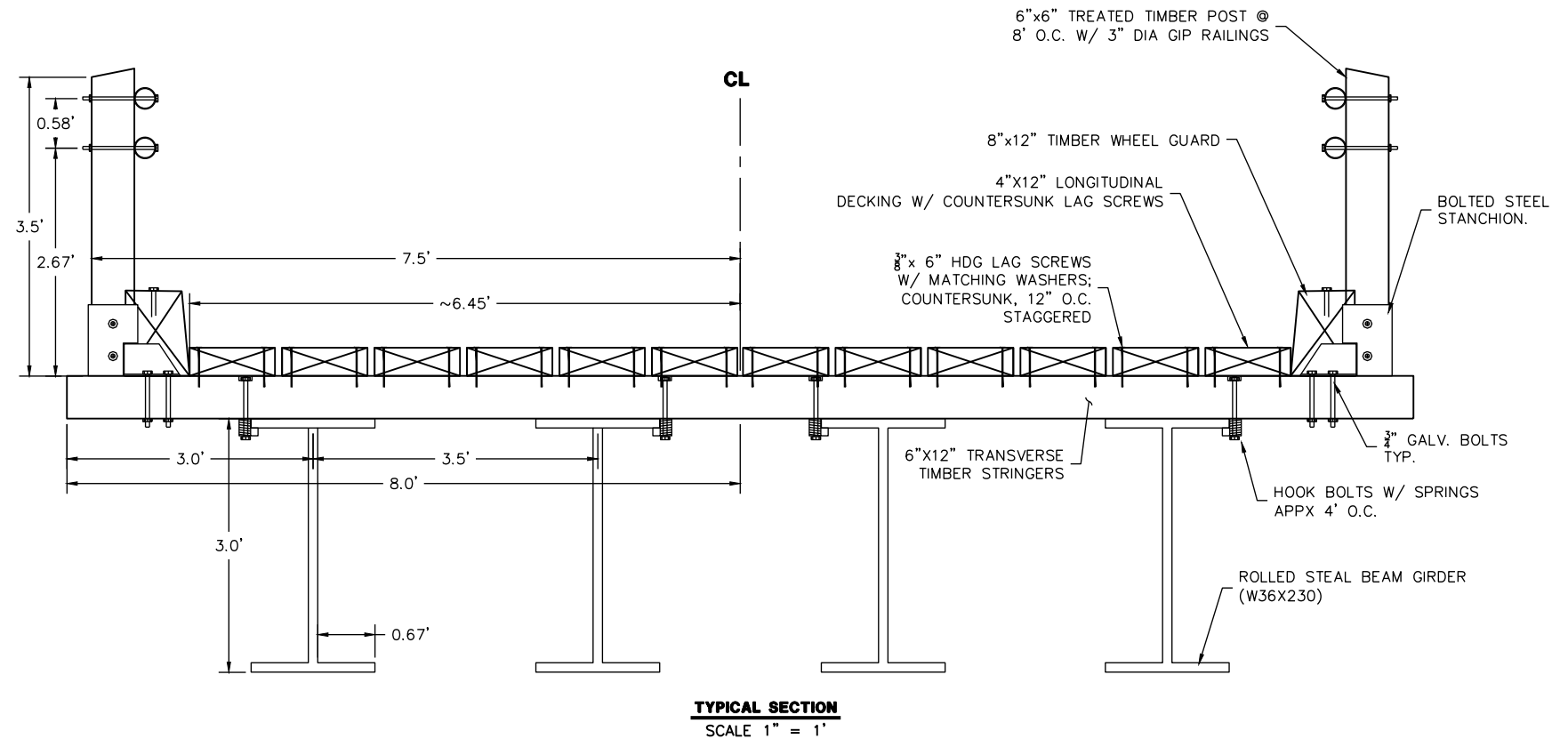
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: ISLAND MOUNTAIN ROAD		DESIGN SECTION	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS BRIDGE PREVENTIVE MAINTENANCE PROGRAM (04C-0113) CHAMISE CREEK BRIDGE TYPICAL SECTION AND DETAIL	SHEET 8 OF 36
	ROAD NO: BA020	MILE POST: 5.66	ENGINEERING		
	PROJECT NO.: BPMP 5904(140)		DESIGNED BY: RLB		
	CONTRACT NO.: 216140		DRAWN BY: RMD		
	DRAWING FILE NAME: 216140_CDSN 04C-0113		REVIEWED BY: JAB		
	PLOT DATE: 05/25/2021	REVISION DATE:	APPROVED BY: TRS		



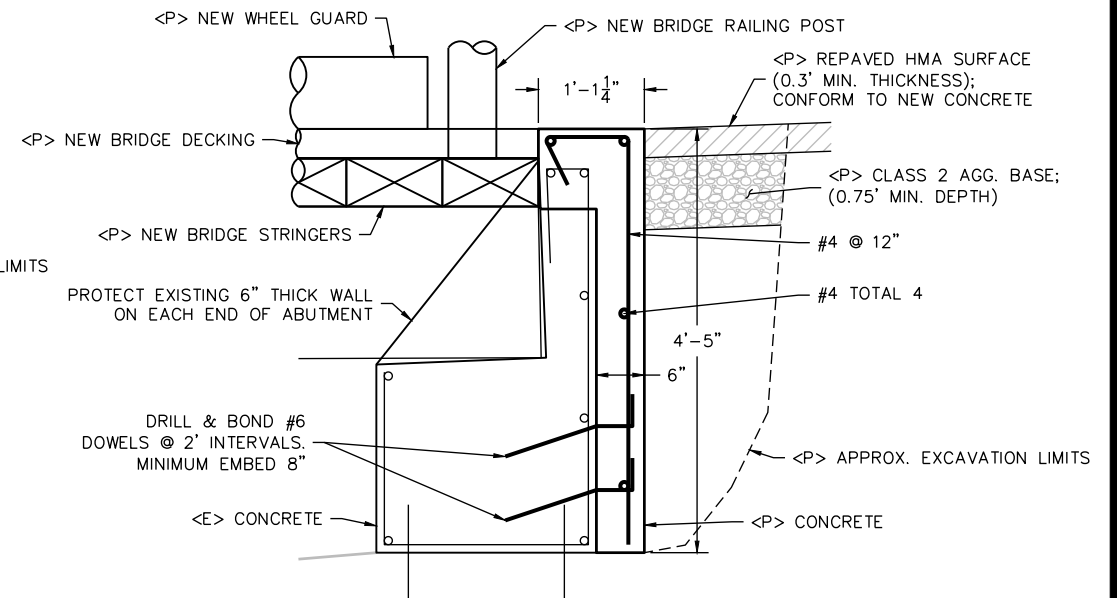
[04C-0113] CHAMISE CREEK BRIDGE LUMBER SCHEDULE

ITEM DESCRIPTION	UNIT	QUANTITY
Bridge Railing Post (6" x 6" x 8')	EA	10
Wheel Guards (8" x 12" x 8')	EA	20
Bridge Stringers (6" x 12" x 16')	EA	80
Bridge Decking (4" x 12" x 20')	EA	48
Misc. Metal Hardware to be Furnished and Installed	LS	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.



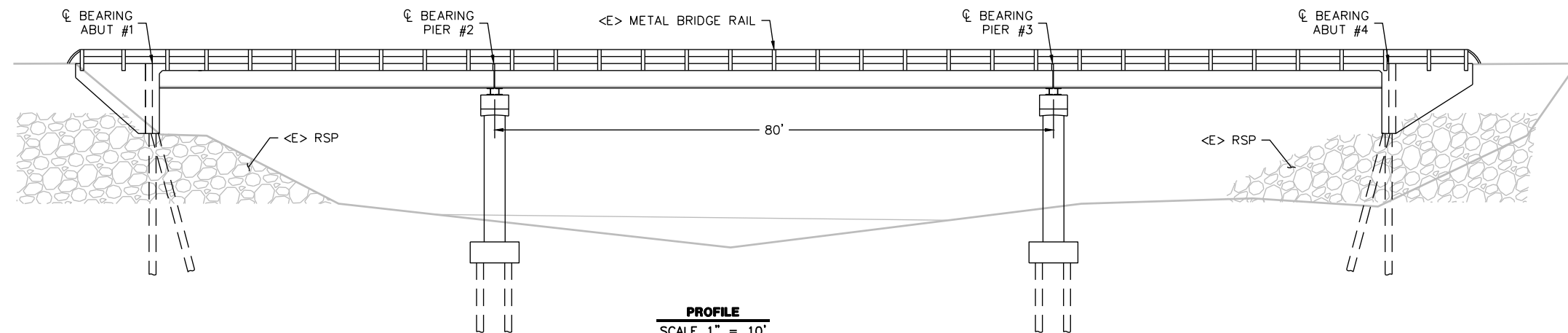
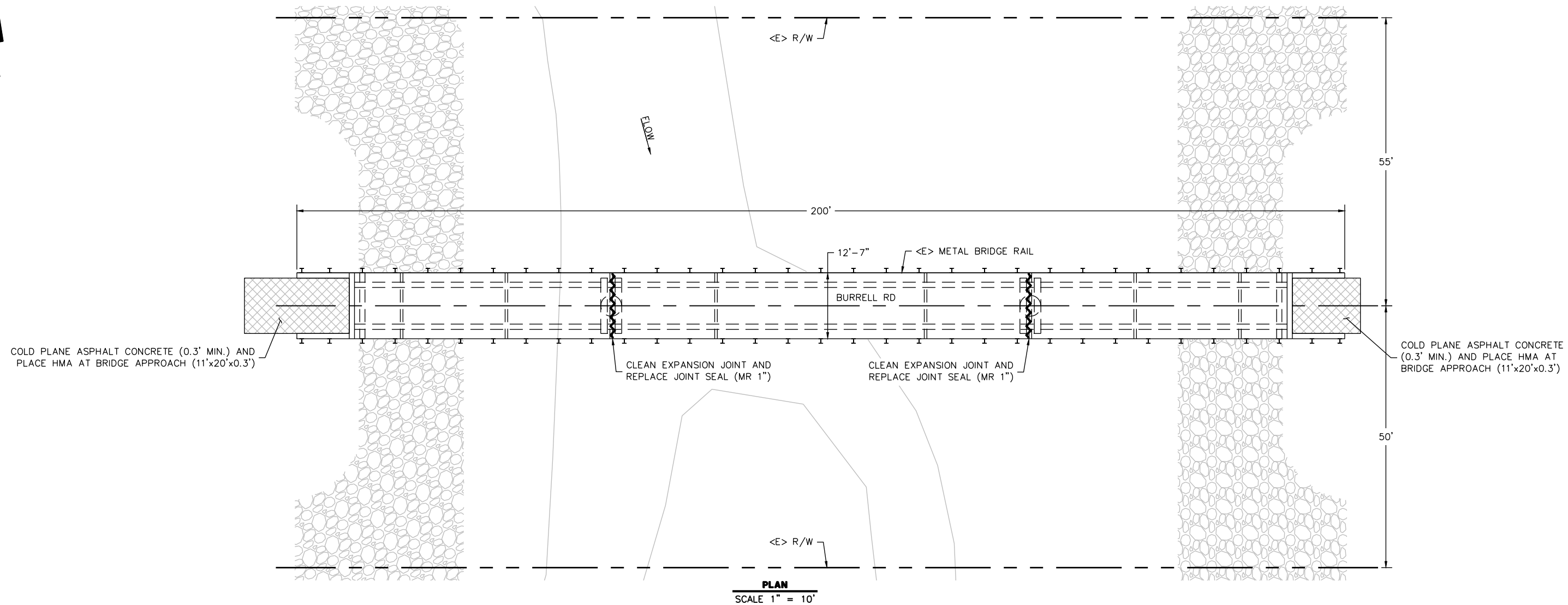
ABUTMENT 2 CONC. REMOVAL SECTION A-A
SCALE 1" = 1'



ABUTMENT 2 MODIFICATIONS SECTION A-A
SCALE 1" = 1'



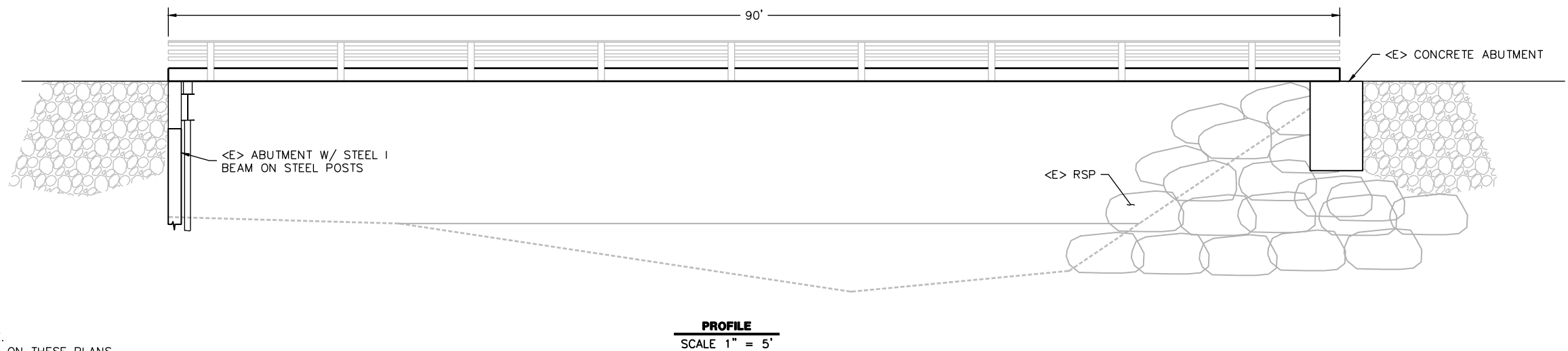
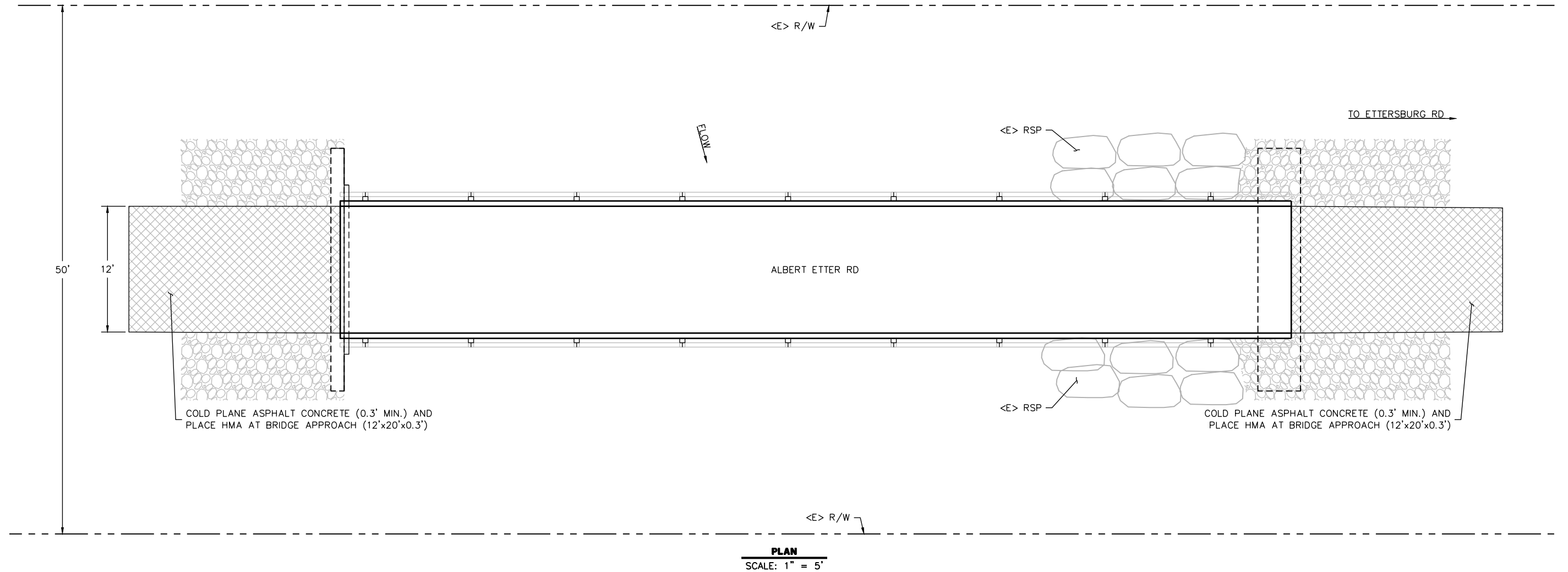
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: BURRELL ROAD		DESIGN SECTION	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS BRIDGE PREVENTIVE MAINTENANCE PROGRAM (I04C-0127) UPPER NORTH FORK MATTOLE RIVER BRIDGE PLAN AND PROFILE	SHEET 9 OF 36
	ROAD NO.: 30030	MILE POST: 0.49	ENGINEERING		
	PROJECT NO.: BPMP 5904(140)		DESIGNED BY: RLB		
	CONTRACT NO.: 216140		DRAWN BY: RMD		
	DRAWING FILE NAME: 216140_CDSN 04C-0127		REVIEWED BY: JAB		
	PLOT DATE: 05/25/2021	REVISION DATE:	APPROVED BY: TRS		



- NOTES:
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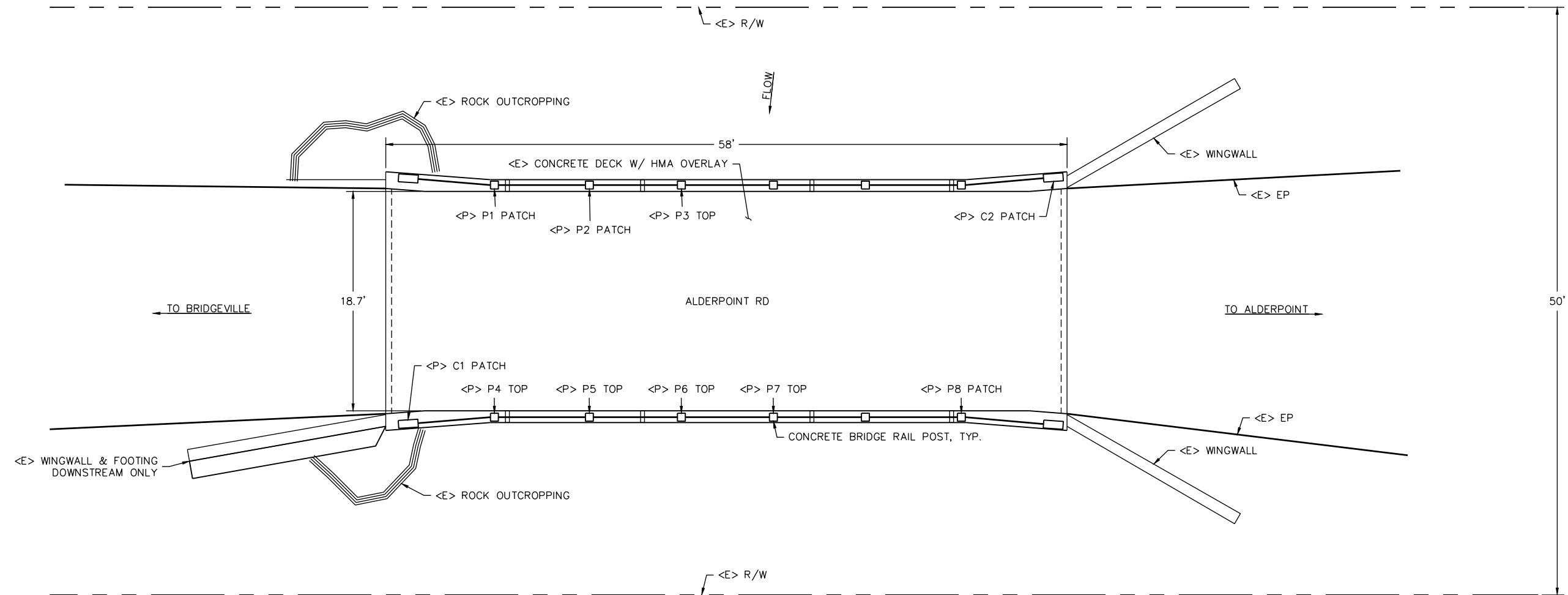
BAR IS ONE INCH ON ORIGINAL DRAWING  IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: ALBERT ETTER ROAD		DESIGN SECTION	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS BRIDGE PREVENTIVE MAINTENANCE PROGRAM (04C-0143) BEAR CREEK BRIDGE PLAN AND PROFILE	SHEET 10 OF 36
	ROAD NO.: 58020	MILE POST: 0.23	ENGINEERING		
	PROJECT NO.: BPMP 5904(140)		DESIGNED BY: RLB		
	CONTRACT NO.: 216140		DRAWN BY: RMD		
	DRAWING FILE NAME: 216140_CDSN 04C-0143		REVIEWED BY: JAB		
	PLOT DATE: 05/25/2021	REVISION DATE:	APPROVED BY: TRS		



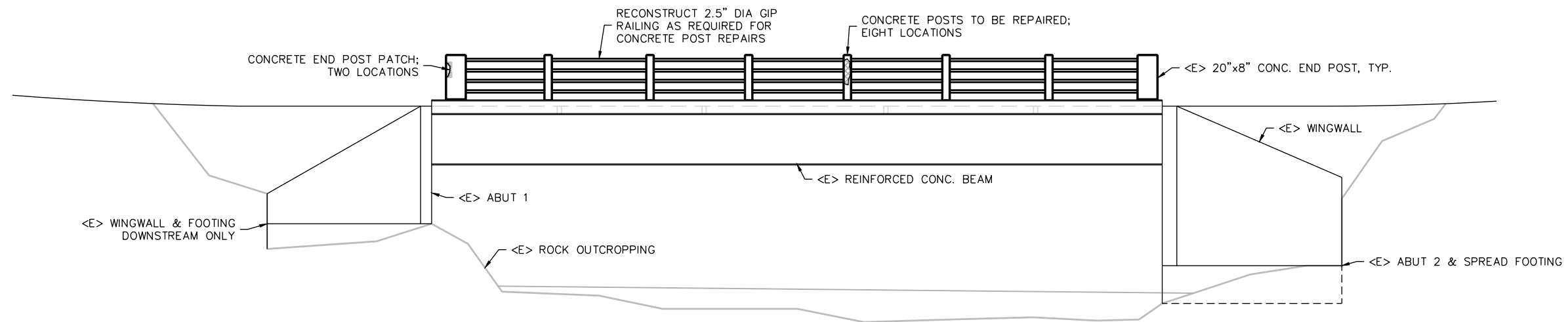
- NOTES:
- 1) ALL EXISTING DIMENSIONS ARE APPROXIMATE.
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BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: ALDERPOINT ROAD		DESIGN SECTION	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS BRIDGE PREVENTIVE MAINTENANCE PROGRAM (04C-0169) SOUTH DOBBYN CREEK BRIDGE PLAN AND PROFILE	SHEET 11 OF 36
	ROAD NO.: F6B165	MILE POST: 19.66	ENGINEERING		
	PROJECT NO.: BPMP 5904(140)		DESIGNED BY: RLB		
	CONTRACT NO.: 216140		DRAWN BY: RMD		
	DRAWING FILE NAME: 216140_CDSN 04C-0169		REVIEWED BY: JAB		
	PLOT DATE: 05/25/2021	REVISION DATE:	APPROVED BY: TRS		



PLAN
SCALE: 1" = 5'

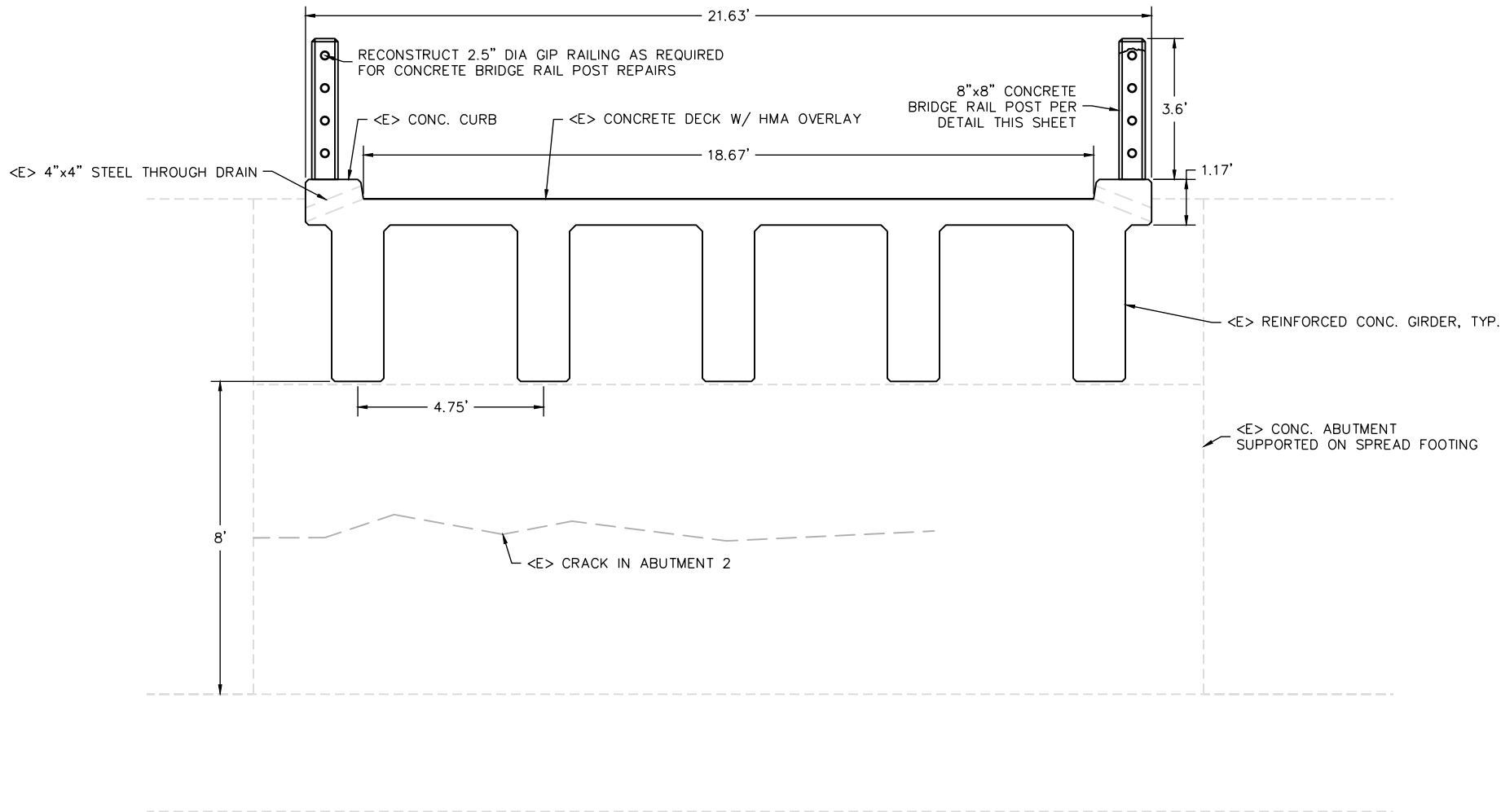


PROFILE
SCALE 1" = 5'

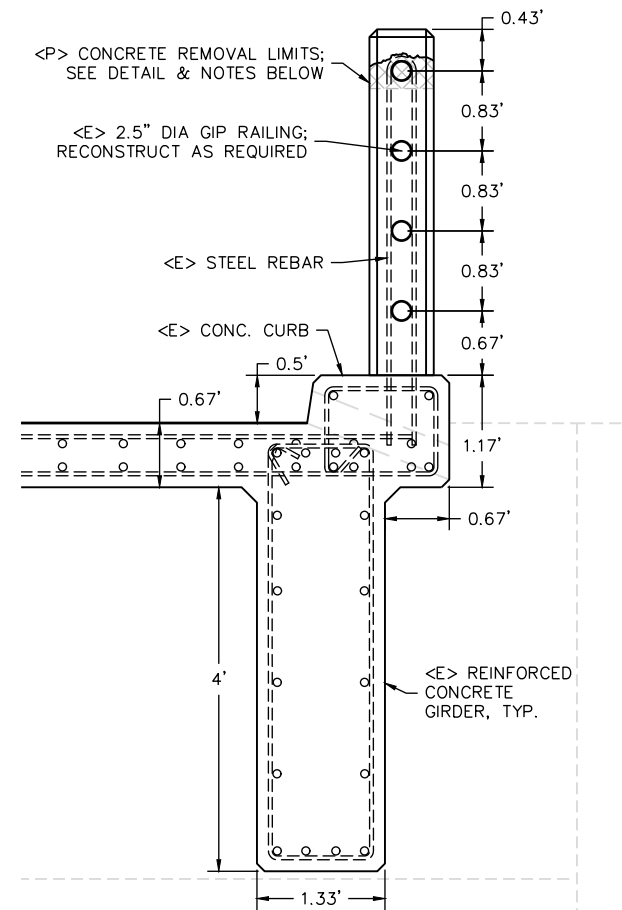
- NOTES:
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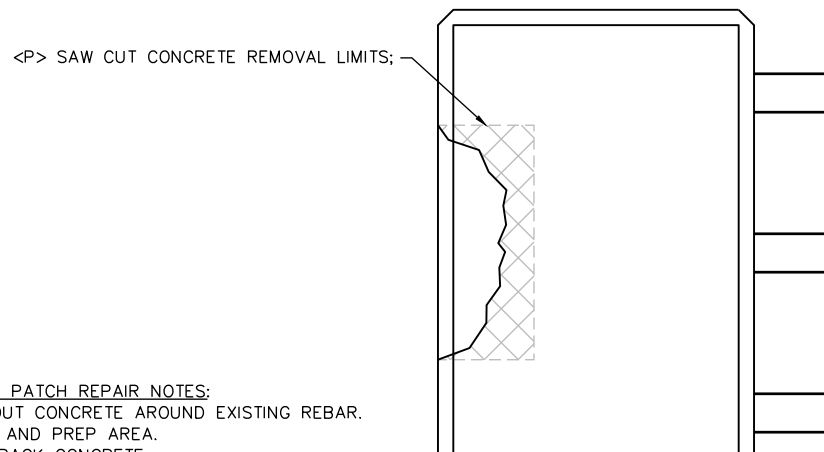
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: ALDERPOINT ROAD		DESIGN SECTION	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS BRIDGE PREVENTIVE MAINTENANCE PROGRAM (04C-0169) SOUTH DOBBYN CREEK BRIDGE TYPICAL SECTION AND DETAIL	SHEET 12 OF 36
	ROAD NO.: F6B165	MILE POST: 19.66	ENGINEERING		
	PROJECT NO.: BPMP 5904(140)		DESIGNED BY: RLB		
	CONTRACT NO.: 216140		DRAWN BY: RMD		
	DRAWING FILE NAME: 216140_CDSN 04C-0169		REVIEWED BY: JAB		
	PLOT DATE: 05/25/2021	REVISION DATE:	APPROVED BY: TRS		



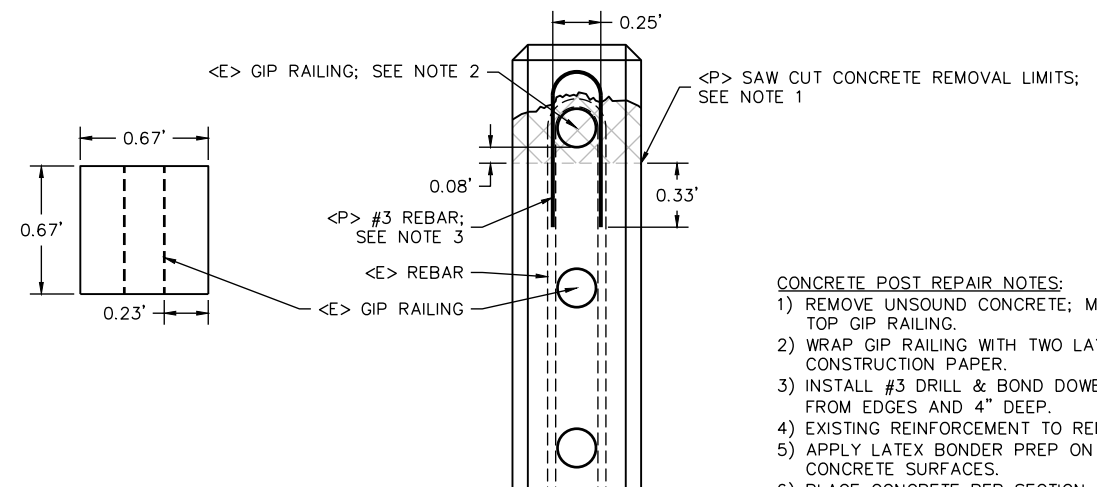
TYPICAL SECTION
SCALE 1" = 2'



CONCRETE BRIDGE RAIL POST DETAIL
SCALE 1" = 1'



CONCRETE PATCH REPAIRS DETAIL
SCALE 1/2" = 1'-0"



CONCRETE POST TOP REPAIR DETAILS
SCALE 1/2" = 1'-0"

- NOTES:
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- CONCRETE PATCH REPAIR NOTES:
- 1) CHIP OUT CONCRETE AROUND EXISTING REBAR.
 - 2) CLEAN AND PREP AREA.
 - 3) POUR BACK CONCRETE.

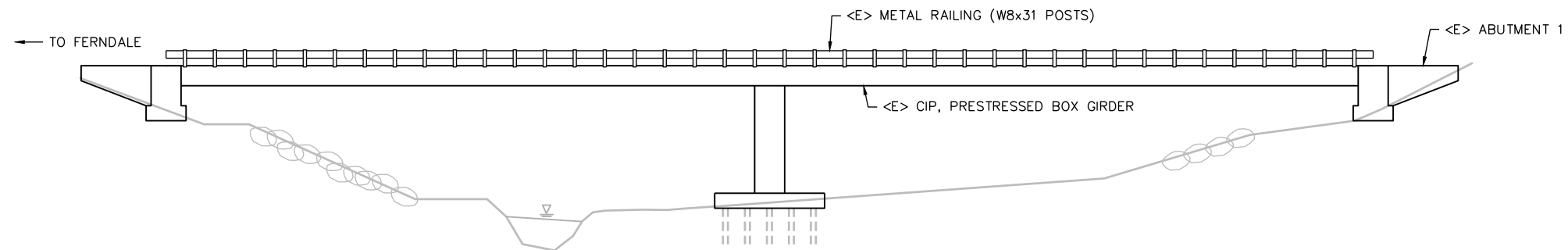
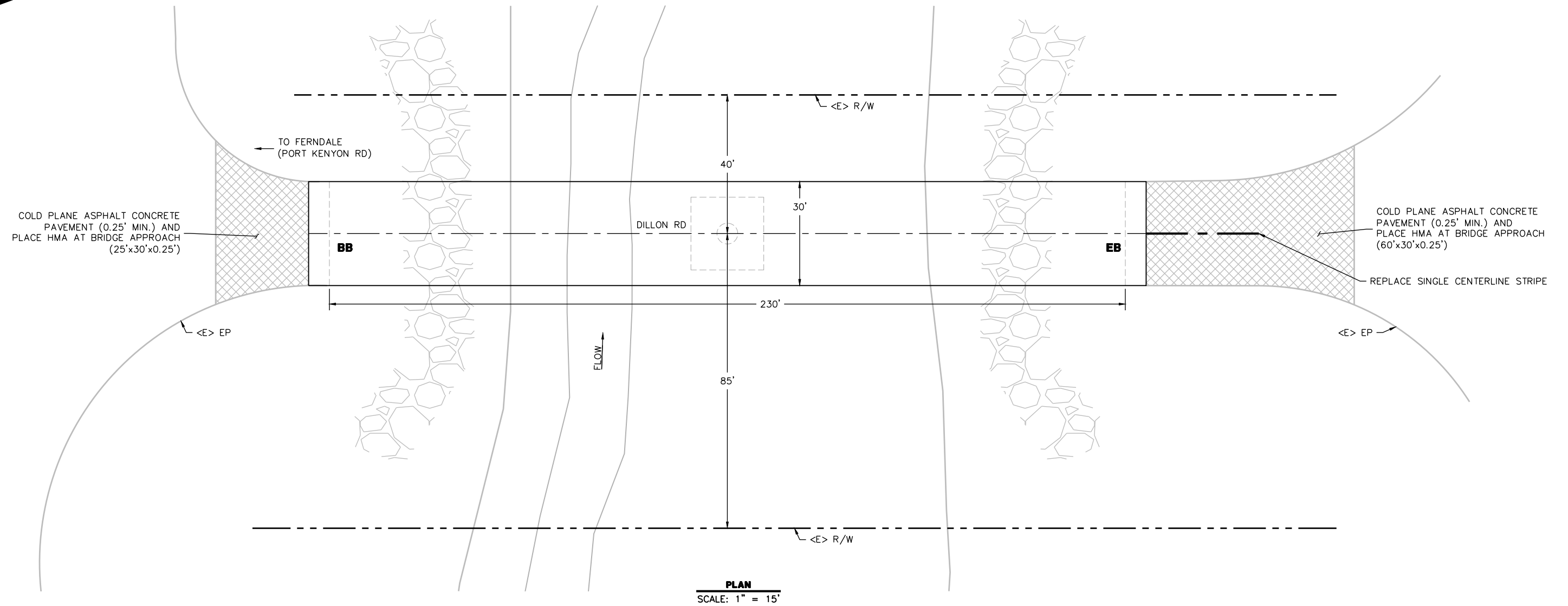
- CONCRETE POST REPAIR NOTES:
- 1) REMOVE UNSOUND CONCRETE; MIN. 1" BELOW TOP GIP RAILING.
 - 2) WRAP GIP RAILING WITH TWO LAYERS OF 15lb CONSTRUCTION PAPER.
 - 3) INSTALL #3 DRILL & BOND DOWELS; MIN. 2" FROM EDGES AND 4" DEEP.
 - 4) EXISTING REINFORCEMENT TO REMAIN.
 - 5) APPLY LATEX BONDER PREP ON EXISTING CONCRETE SURFACES.
 - 6) PLACE CONCRETE PER SECTION 51.



DENOTES CONCRETE REMOVAL



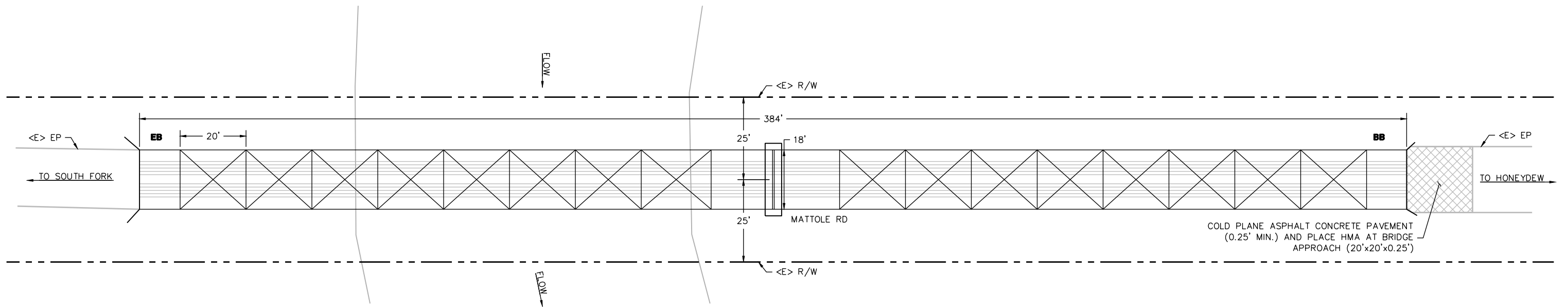
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: DILLON ROAD		DESIGN SECTION	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS BRIDGE PREVENTIVE MAINTENANCE PROGRAM (04C-0012) SALT RIVER BRIDGE PLAN AND PROFILE	SHEET 13 OF 36
	ROAD NO.: 2H025	MILE POST: 0.01	ENGINEERING		
	PROJECT NO.: BPMP 5904(154)		DESIGNED BY: RLB		
	CONTRACT NO.: 216154		DRAWN BY: RMD		
	DRAWING FILE NAME: 216154_CDSN 04C-0012		REVIEWED BY: JAB		
	PLOT DATE: 05/25/2021	REVISION DATE:	APPROVED BY: TRS		



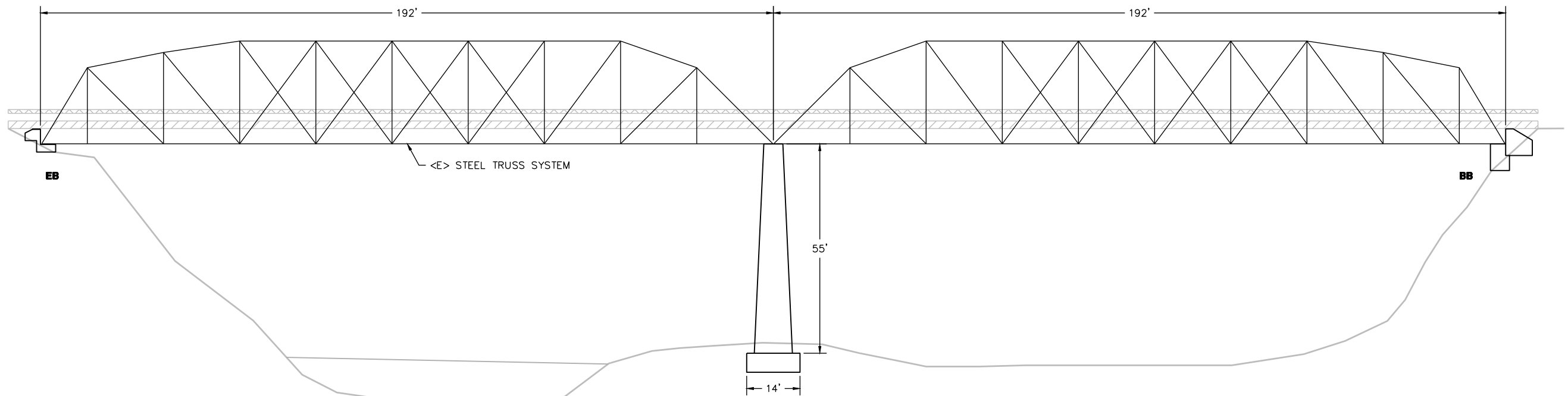
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BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: MATTOLE ROAD		DESIGN SECTION	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS BRIDGE PREVENTIVE MAINTENANCE PROGRAM (04C-0055) MATTOLE RIVER BRIDGE PLAN AND PROFILE	SHEET 14 OF 36
	ROAD NO.: 30010	MILE POST: 0.02	ENGINEERING		
	PROJECT NO.: BPMP 5904(154)		DESIGNED BY: RLB		
	CONTRACT NO.: 216154		DRAWN BY: RMD		
	DRAWING FILE NAME: 216154_CDSN 04C-0055		REVIEWED BY: JAB		
	PLOT DATE: 05/25/2021	REVISION DATE:	APPROVED BY: TRS		



PLAN
SCALE: 1" = 15'

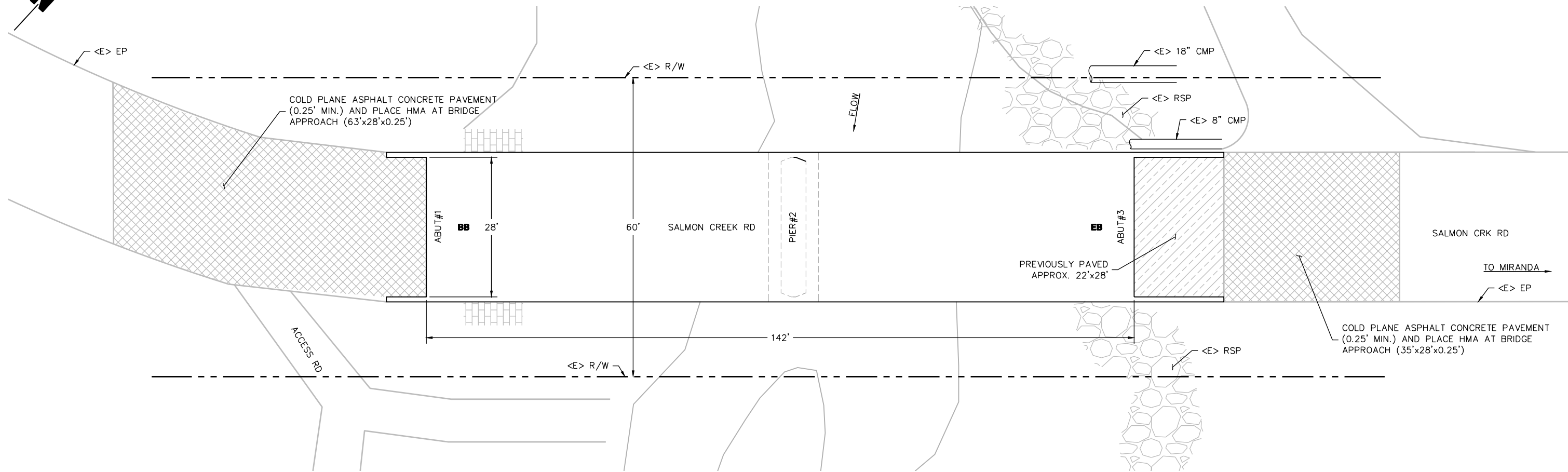


PROFILE
SCALE 1" = 15'

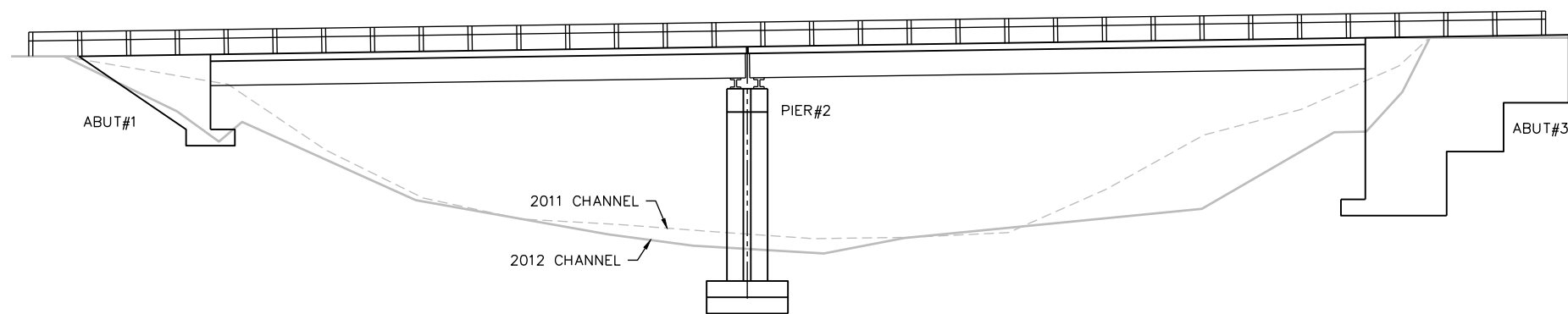
- NOTES:
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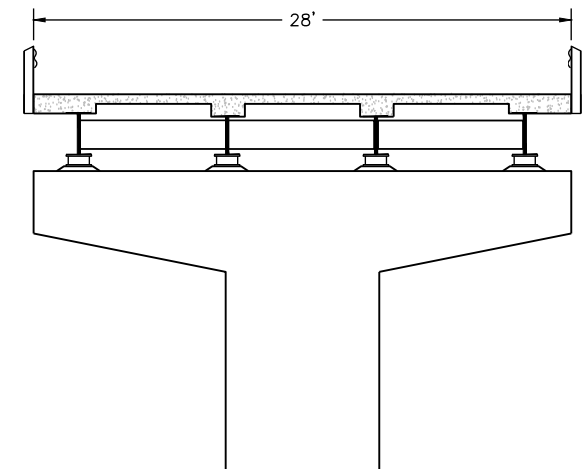
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: SALMON CREEK ROAD		DESIGN SECTION	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS BRIDGE PREVENTIVE MAINTENANCE PROGRAM (04C-0056) SALMON CREEK BRIDGE PLAN, PROFILE AND TYP. SECTION	SHEET 15 OF 36
	ROAD NO.: 6C030	MILE POST: 2.65	ENGINEERING		
	PROJECT NO.: BPMP 5904(154)		DESIGNED BY: RLB		
	CONTRACT NO.: 216154		DRAWN BY: RMD		
	DRAWING FILE NAME: 216154_CDSN 04C-0056		REVIEWED BY: JAB		
	PLOT DATE: 05/25/2021	REVISION DATE:	APPROVED BY: TRS		



PLAN
SCALE: 1" = 10'



PROFILE
SCALE 1" = 10'



TYPICAL SECTION
SCALE 1" = 5'

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IF NOT ONE INCH ON
THIS SHEET, ADJUST
SCALES ACCORDINGLY

PLOT DATE: 05/25/2021

REVISION DATE:

APPROVED BY: TRS

(104C-0062) BOULDER CREEK BRIDGE
PLAN AND PROFILE

56

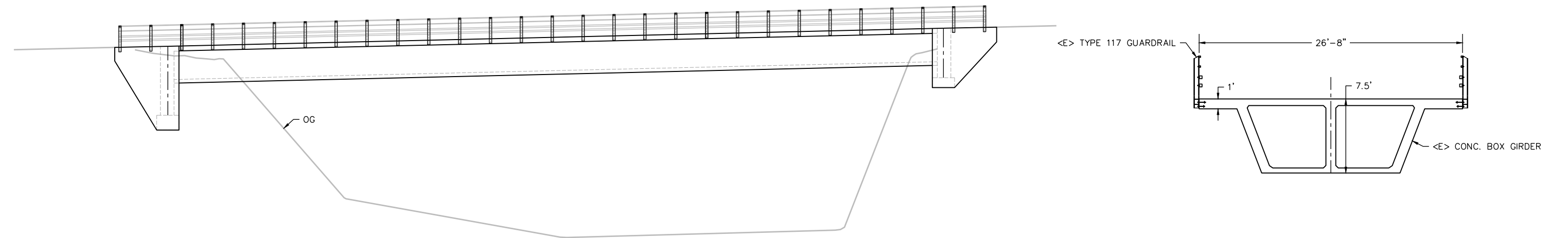
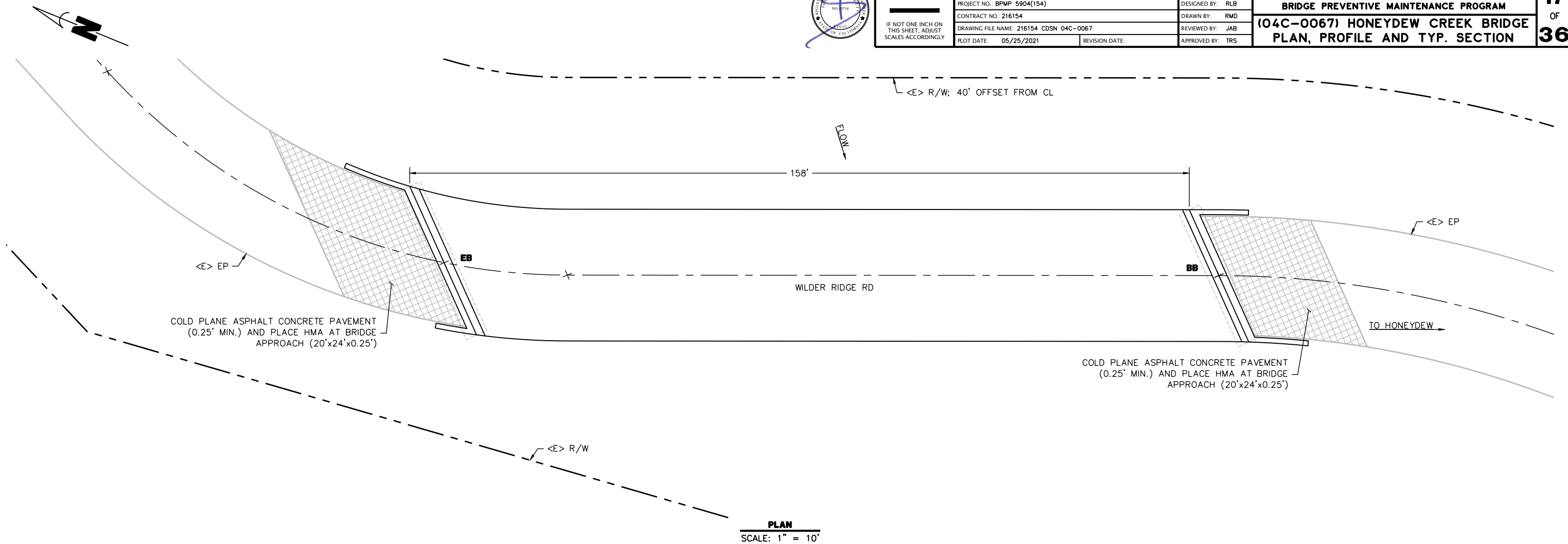


NOTES:

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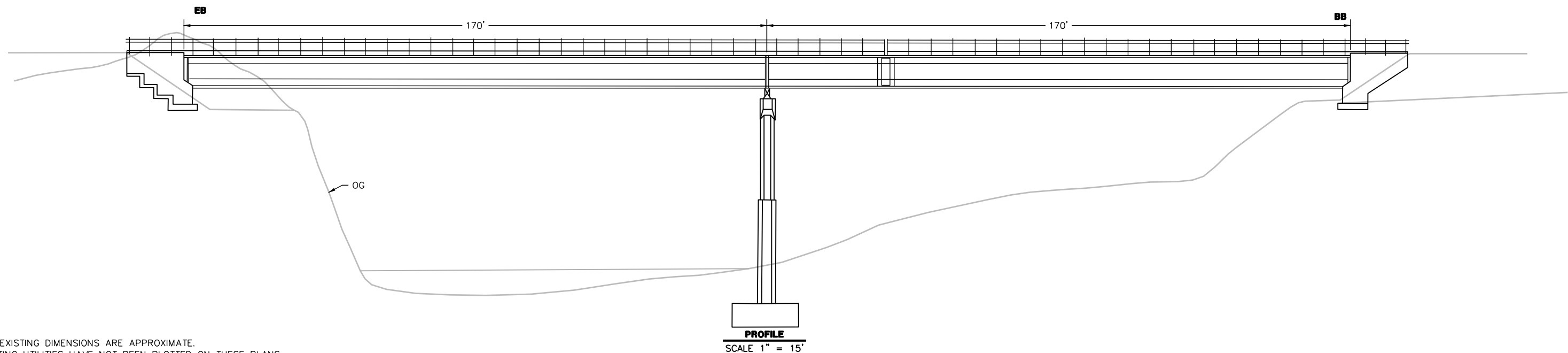
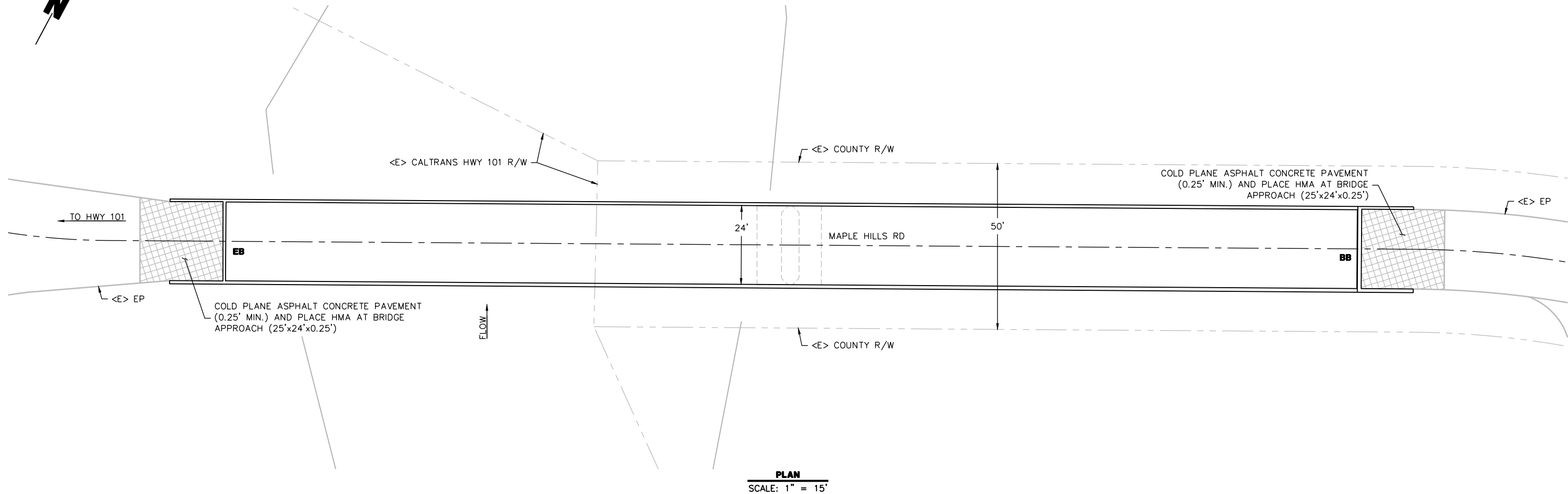
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: WILDER RIDGE ROAD		DESIGN SECTION	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS BRIDGE PREVENTIVE MAINTENANCE PROGRAM (04C-0067) HONEYDEW CREEK BRIDGE PLAN, PROFILE AND TYP. SECTION	SHEET 17 OF 36
	ROAD NO.: 58010	MILE POST: 6.05	ENGINEERING		
	PROJECT NO.: BPMP 5904(154)		DESIGNED BY: RLB		
	CONTRACT NO.: 216154		DRAWN BY: RMD		
	DRAWING FILE NAME: 216154_CDSN 04C-0067		REVIEWED BY: JAB		
	PLOT DATE: 05/25/2021	REVISION DATE:	APPROVED BY: TRS		



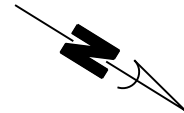
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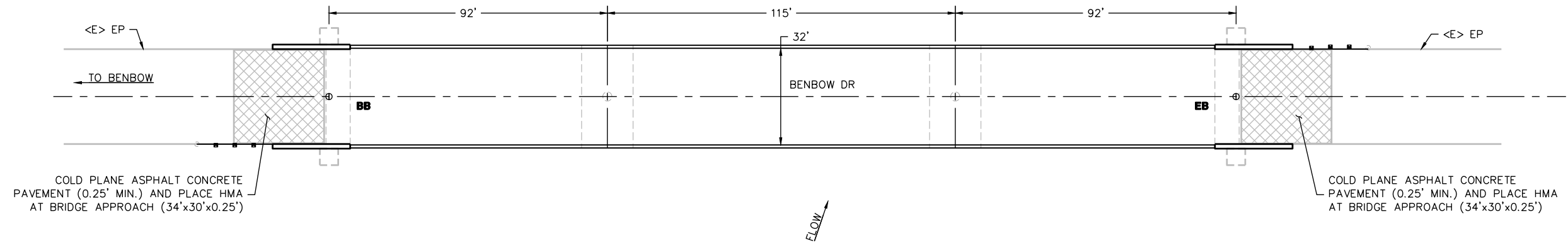
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	ROAD NO.: 6C010	MILE POST: 0.24	ENGINEERING		
	PROJECT NO.: BPMP 5904(154)		DESIGNED BY: RLB		
	CONTRACT NO.: 216154		DRAWN BY: RMD		
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	PLOT DATE: 05/25/2021	REVISION DATE:	APPROVED BY: TRS		



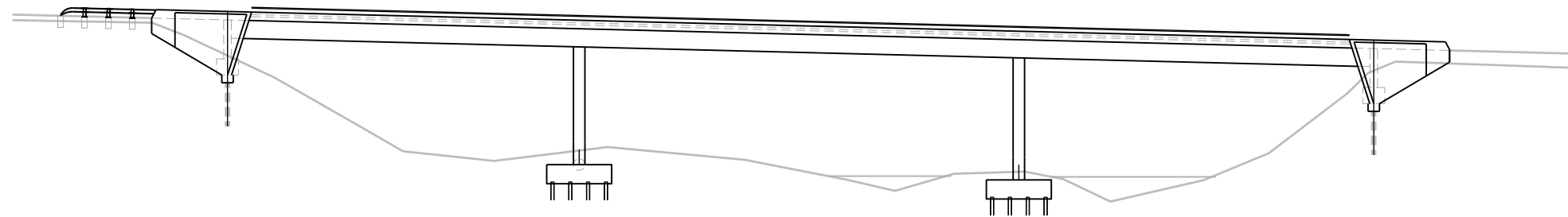
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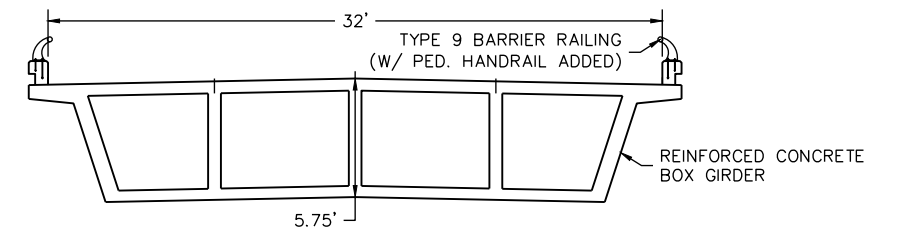
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: BENBOW DRIVE		DESIGN SECTION	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS BRIDGE PREVENTIVE MAINTENANCE PROGRAM (04C-0101) EAST BRANCH SOUTH FORK EEL RIVER BRIDGE PLAN, PROFILE AND TYP. SECTION	SHEET 19 OF 36
	ROAD NO.: 68180	MILE POST: 4.27	ENGINEERING		
	PROJECT NO.: BPMP 5904(154)		DESIGNED BY: RLB		
	CONTRACT NO.: 216154		DRAWN BY: RMD		
	DRAWING FILE NAME: 216154_CDSN 04C-0101		REVIEWED BY: JAB		
	PLOT DATE: 05/25/2021	REVISION DATE:	APPROVED BY: TRS		



PLAN
SCALE: 1" = 20'



PROFILE
SCALE 1" = 20'

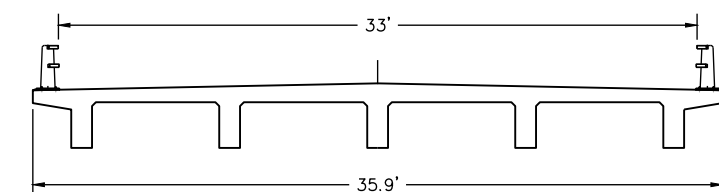
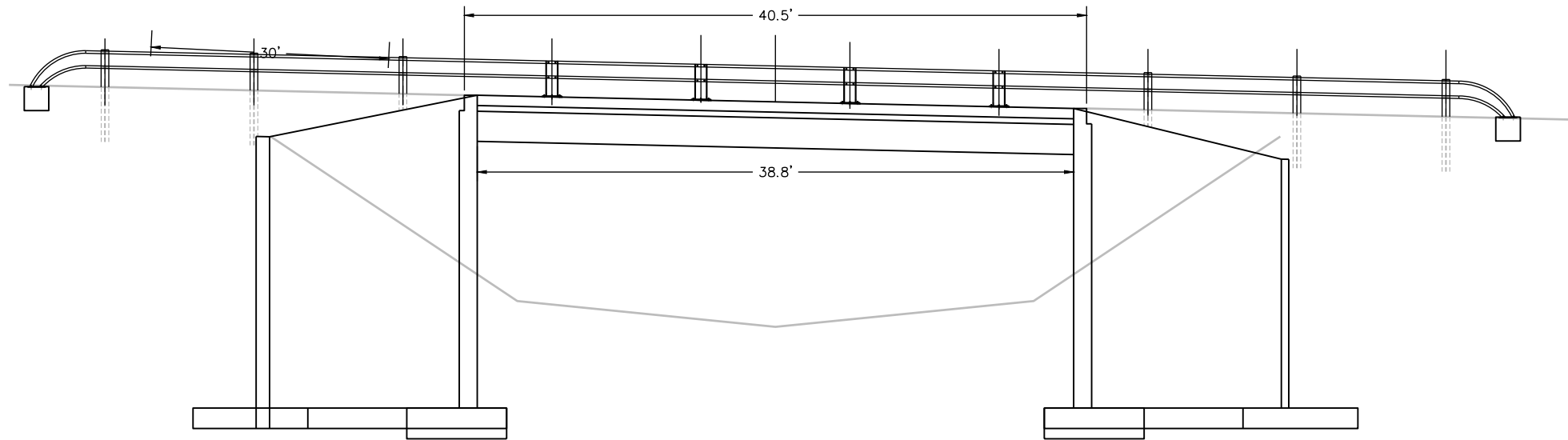
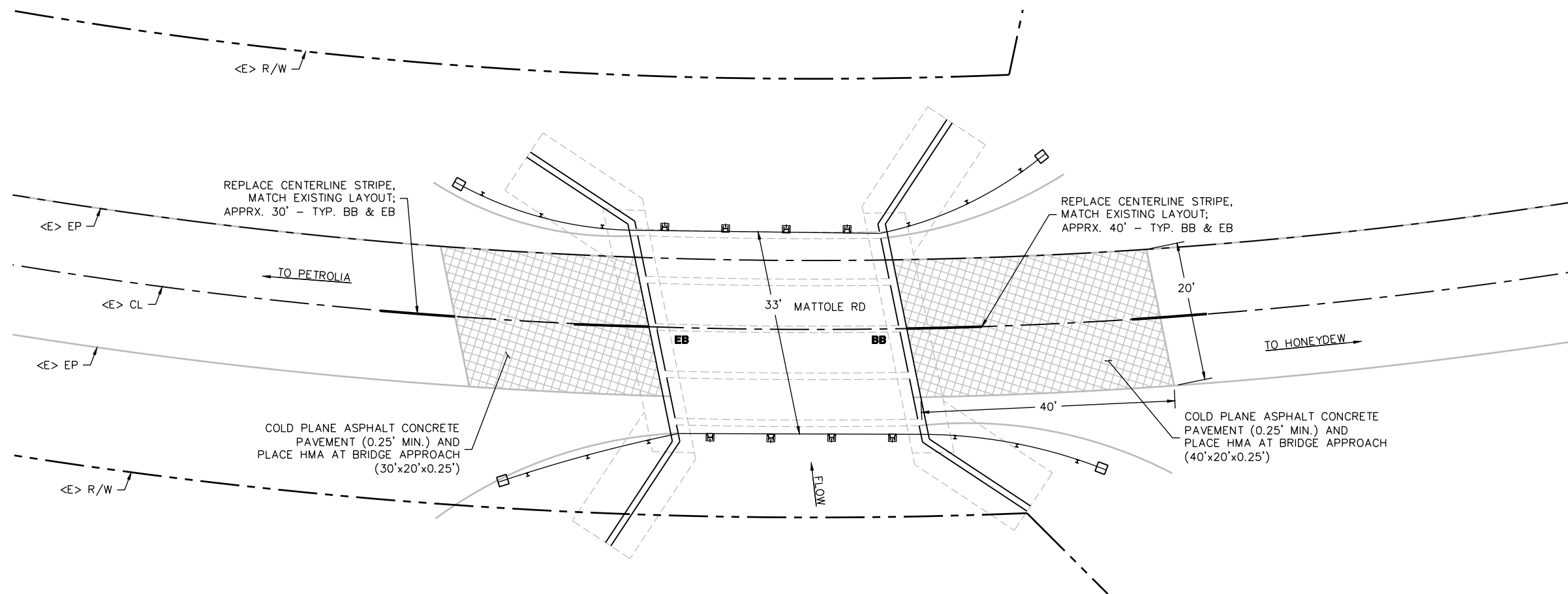


TYPICAL SECTION
SCALE 1" = 5'

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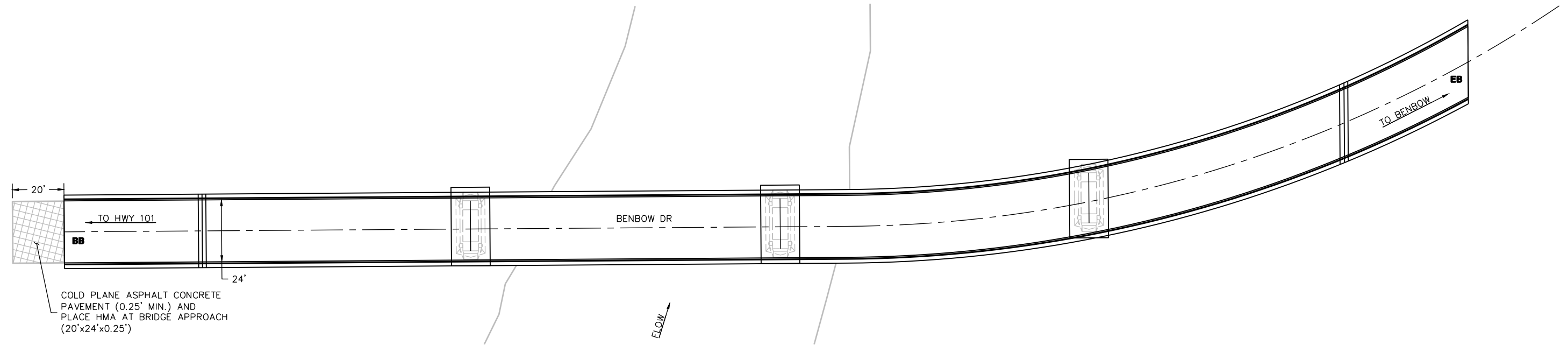
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: MATTOLE ROAD		DESIGN SECTION	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS BRIDGE PREVENTIVE MAINTENANCE PROGRAM (04C-0210) WOODS CREEK BRIDGE PLAN, PROFILE AND TYP. SECTION	SHEET 20 OF 36
	ROAD NO.: 3C010	MILE POST: 1.89	ENGINEERING		
	PROJECT NO.: BPMP 5904(154)		DESIGNED BY: RLB		
	CONTRACT NO.: 216154		DRAWN BY: RMD		
	DRAWING FILE NAME: 216154_CDSN 04C-0210		REVIEWED BY: JAB		
	PLOT DATE: 05/25/2021	REVISION DATE:	APPROVED BY: TRS		



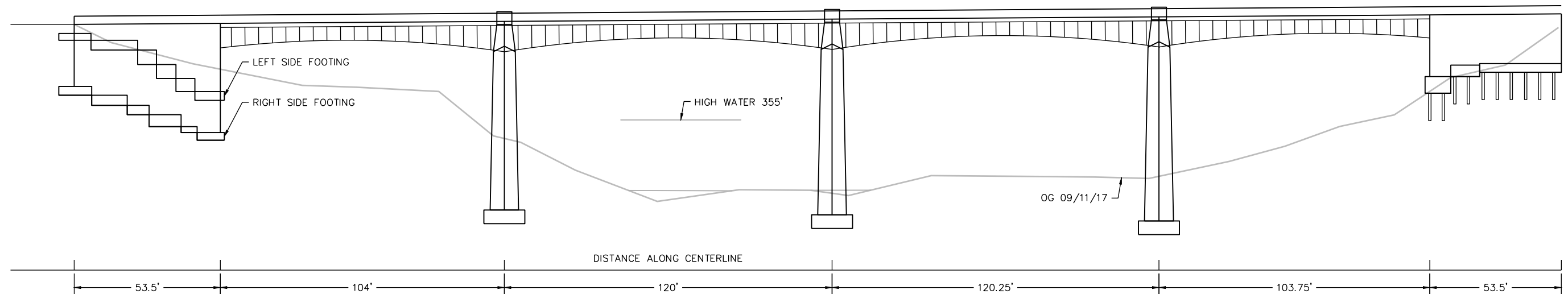
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BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: BENBOW DRIVE		DESIGN SECTION	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS BRIDGE PREVENTIVE MAINTENANCE PROGRAM (04C-0239) SOUTH FORK EEL RIVER BRIDGE PLAN AND PROFILE	SHEET 21 OF 36
	ROAD NO.: 68180	MILE POST: 0.50	ENGINEERING		
	PROJECT NO.: BPMP 5904(154)		DESIGNED BY: RLB		
	CONTRACT NO.: 216154		DRAWN BY: RMD		
	DRAWING FILE NAME: 216154_CDSN 04C-0239		REVIEWED BY: JAB		
	PLOT DATE: 05/25/2021	REVISION DATE:	APPROVED BY: TRS		

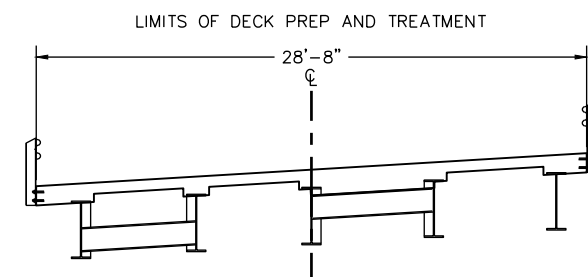
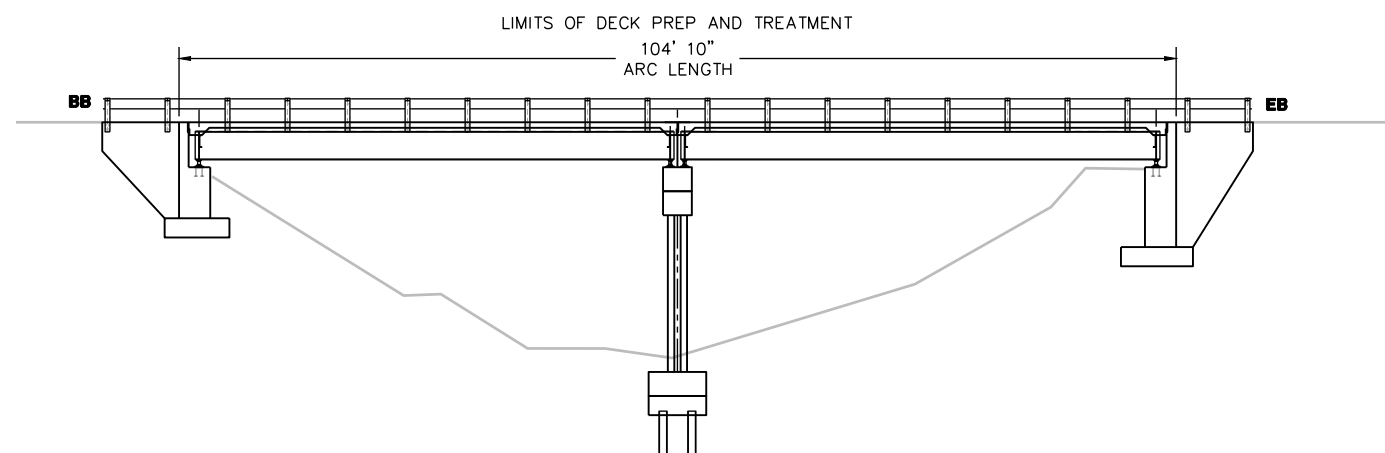
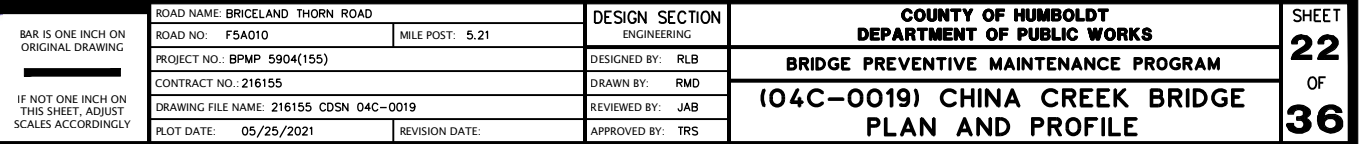


PLAN
SCALE: 1" = 20'



PROFILE
SCALE 1" = 20'

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 - 3) THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

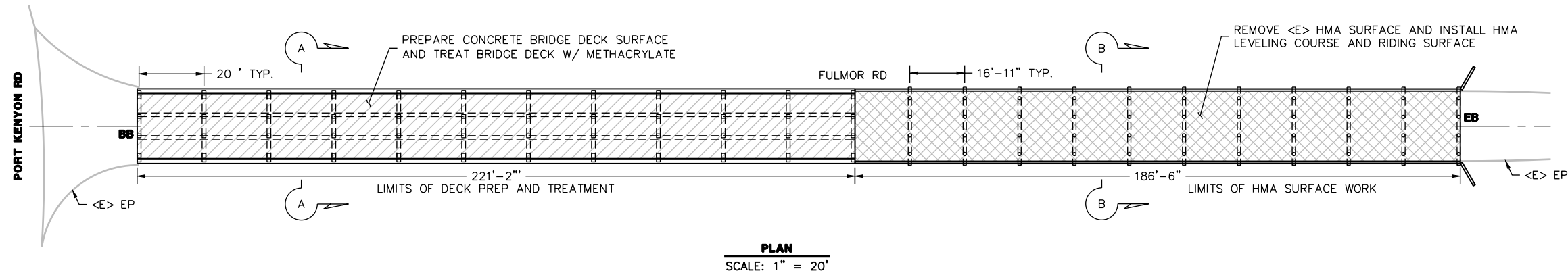


NOTES:

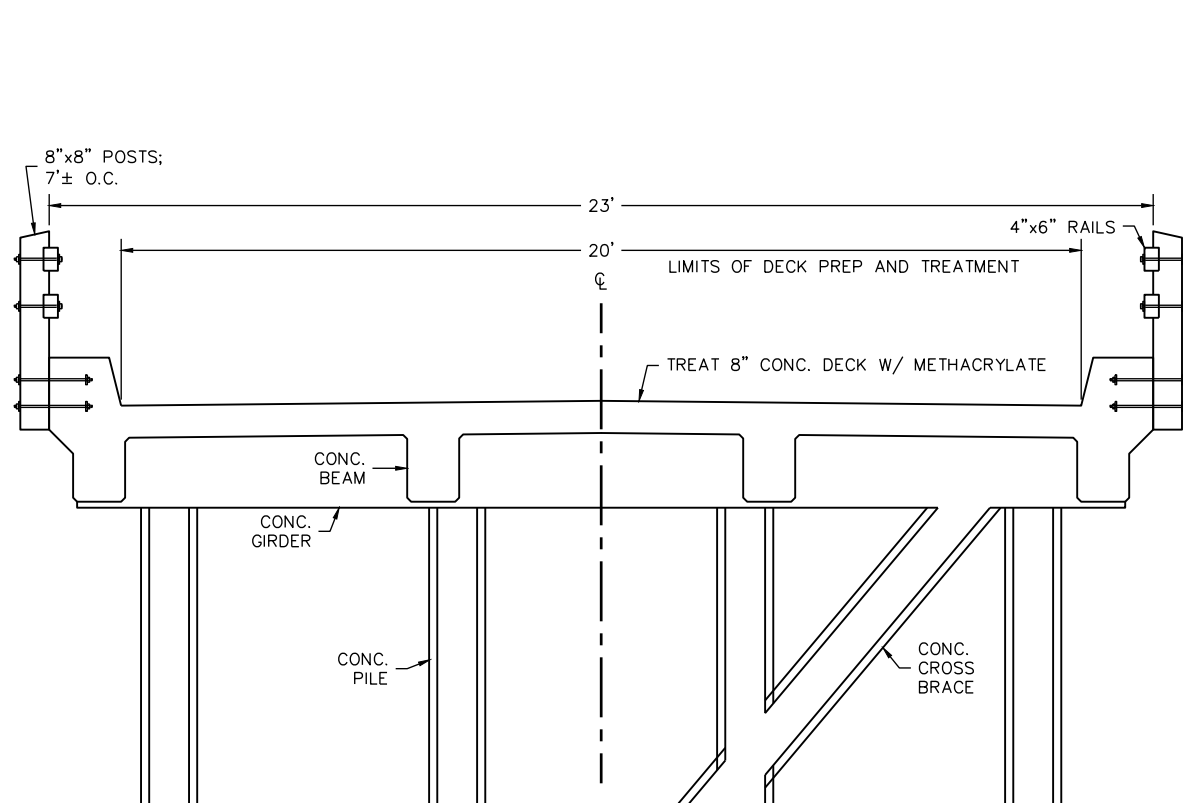
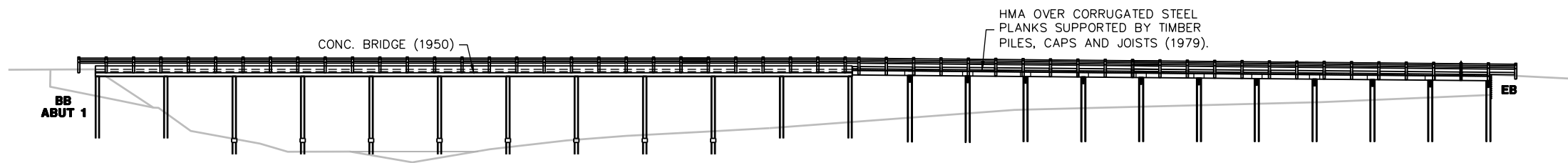
- 1) ALL EXISTING DIMENSIONS ARE APPROXIMATE.
- 2) EXISTING UTILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
- 3) THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



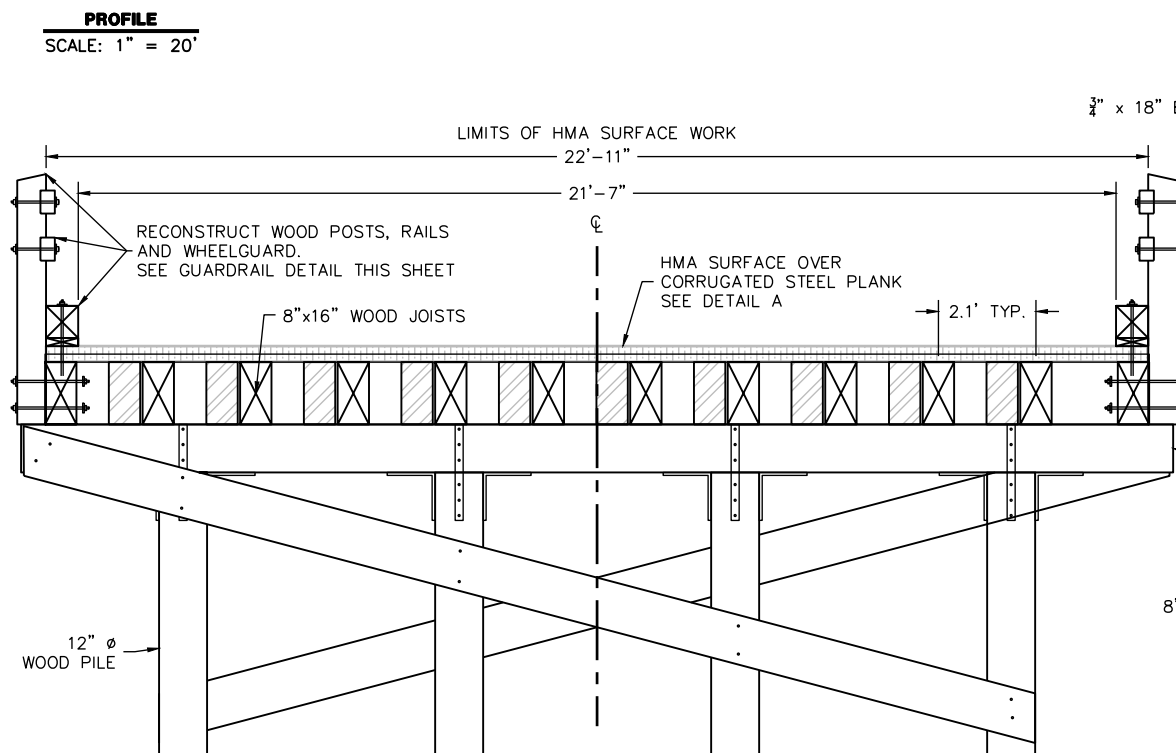
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: FULMOR ROAD		DESIGN SECTION	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS	SHEET 23 OF 36
	ROAD NO.: 2H040	MILE POST: 0.00	ENGINEERING		
	PROJECT NO.: BPMP 5904(155)		DESIGNED BY: RLB		
	CONTRACT NO.: 216155		DRAWN BY: RMD		
	DRAWING FILE NAME: 216155 CDSN 04C-0029		REVIEWED BY: JAB		
	PLOT DATE: 05/25/2021	REVISION DATE:	APPROVED BY: TRS		
				BRIDGE PREVENTIVE MAINTENANCE PROGRAM (04C-0029) SALT RIVER BRIDGE PLAN, PROFILE, SECTIONS AND DETAILS	



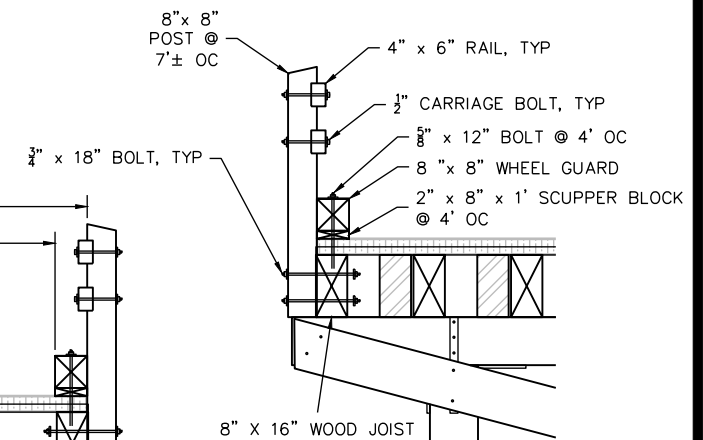
- HMA NOTES:
1. INSTALL HMA LEVELING COURSE $\frac{1}{2}$ " MAX. ABOVE CORRUGATIONS.
 2. PLACE GLASGRID 8511 TF (TACK FILM).
 3. OVERLAY GLASGRID WITH 1.5" MIN. THICKNESS HMA $\frac{1}{2}$ " TYPE A



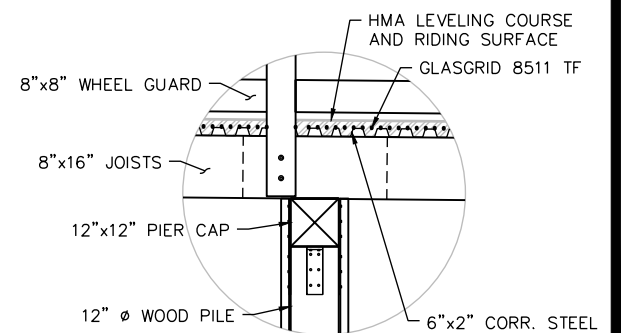
SECTION A-A
SCALE 1" = 2'



SECTION B-B
SCALE 1" = 2'



GUARD RAIL DETAIL
SCALE 1" = 2'



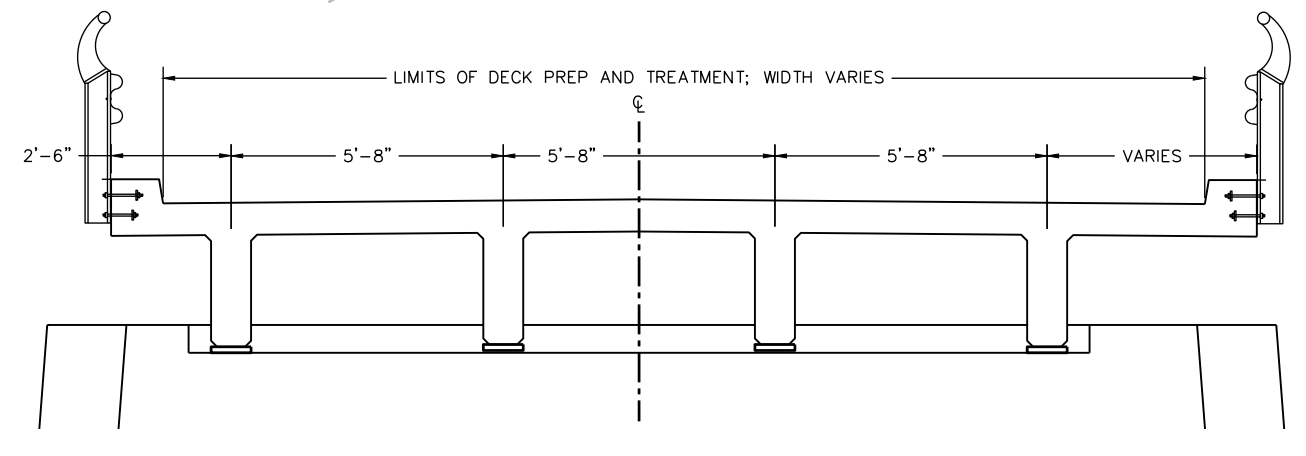
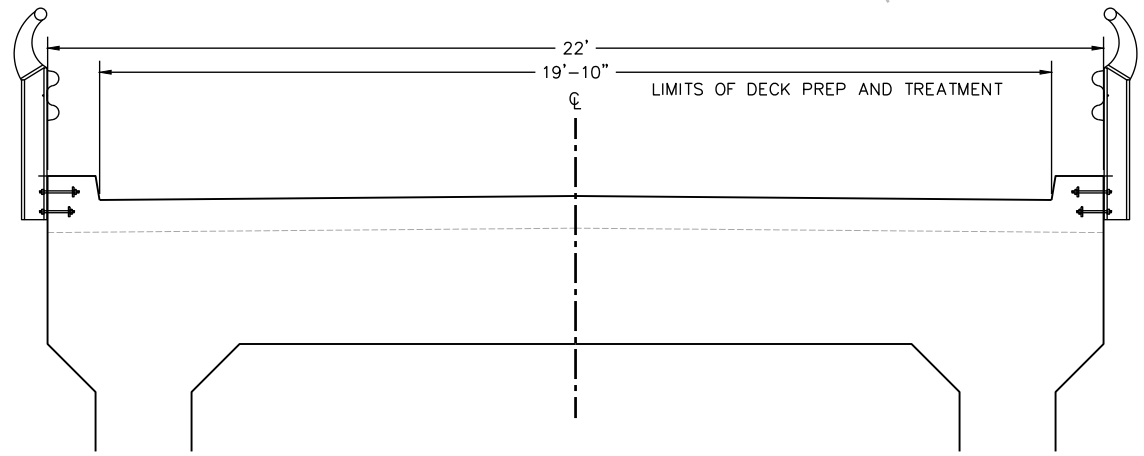
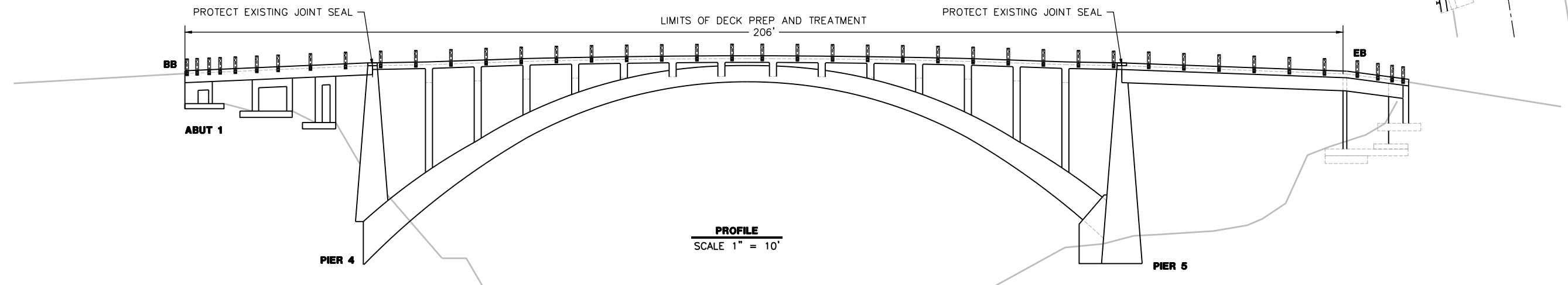
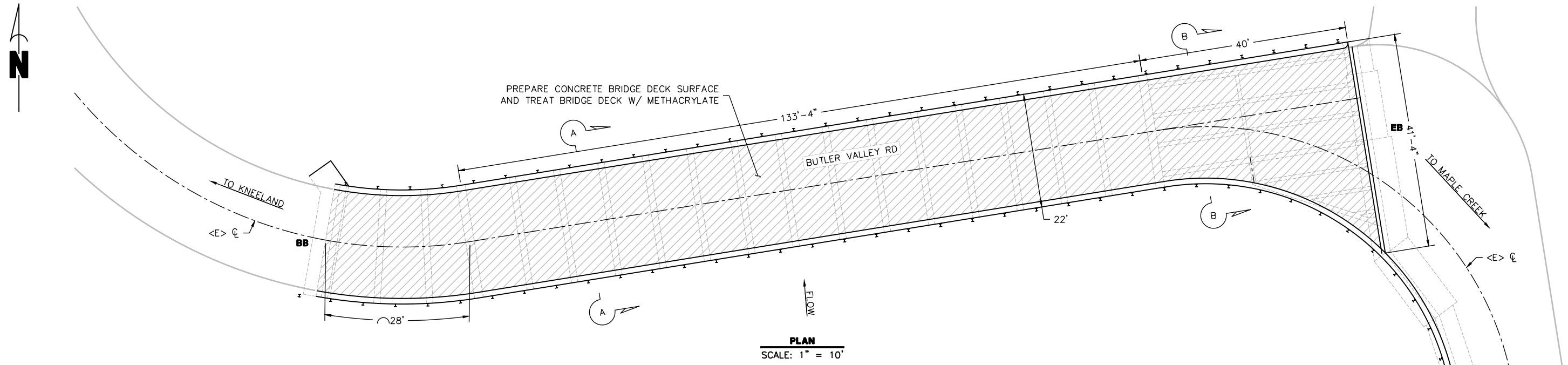
DETAIL A
SCALE 1" = 2'

- NOTES:
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 - 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.

- NOTES:
- REMOVE EXISTING RAILING, WHEEL GUARD AND SCUPPER BLOCKS PRIOR TO REMOVAL OF THE EXISTING HMA BRIDGE SURFACE. RECONSTRUCT EXISTING HARDWARE AND TIMBER. MATERIAL TO BE REUTILIZED UNLESS DIRECTED BY THE ENGINEER.
 - FOR BIDDING PURPOSES, ASSUME 1% OF WOOD POSTS, RAILINGS, AND WHEELGUARD TO BE REPLACED.
 - ASSUME ALL WOOD IS TREATED AND IS TO BE CONSIDERED "HAZARDOUS WASTE" PER PROJECT SPECIFICATIONS.
 - ALL EXISTING HMA SURFACING SHALL BE REMOVED FROM THE CORRUGATED STEEL PLANKING. ANY DAMAGE TO THE CORRUGATED STEEL PLANKING CAUSED BY THE CONTRACTOR DURING THE REMOVAL PROCESS SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.



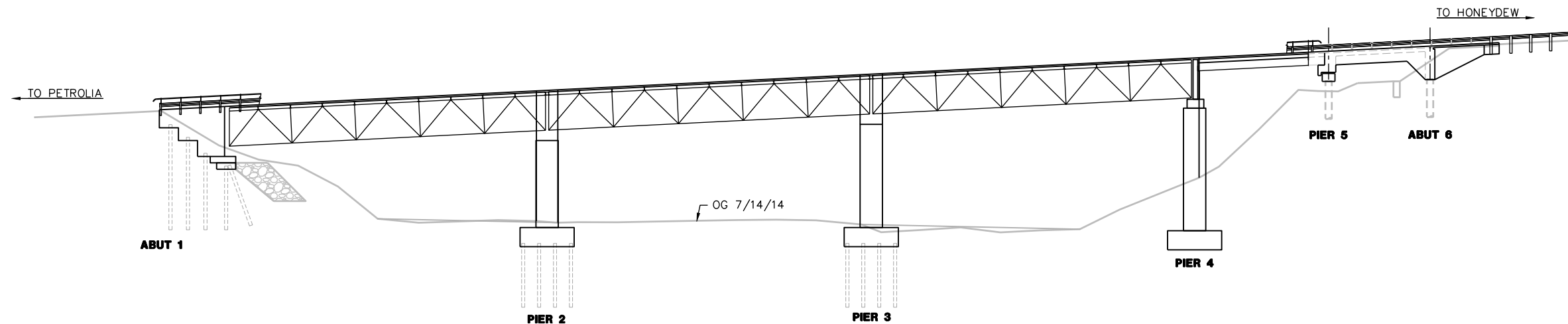
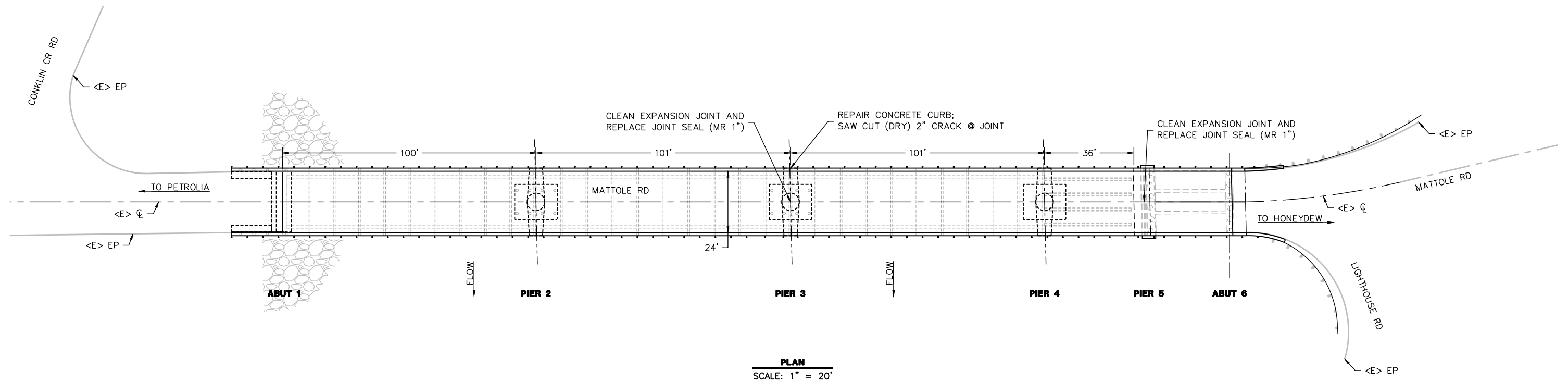
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: BUTLER VALLEY ROAD		DESIGN SECTION	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS BRIDGE PREVENTIVE MAINTENANCE PROGRAM (04C-0052) MAD RIVER BRIDGE PLAN, PROFILE AND SECTIONS	SHEET 24 OF 36
	ROAD NO.: FSJ031	MILE POST: 7.70	ENGINEERING		
	PROJECT NO.: BPMP 5904(155)		DESIGNED BY: RLB		
	CONTRACT NO.: 216155		DRAWN BY: RMD		
	DRAWING FILE NAME: 216155_CDSN 04C-0052		REVIEWED BY: JAB		
	PLOT DATE: 05/25/2021	REVISION DATE:	APPROVED BY: TRS		



NOTES:
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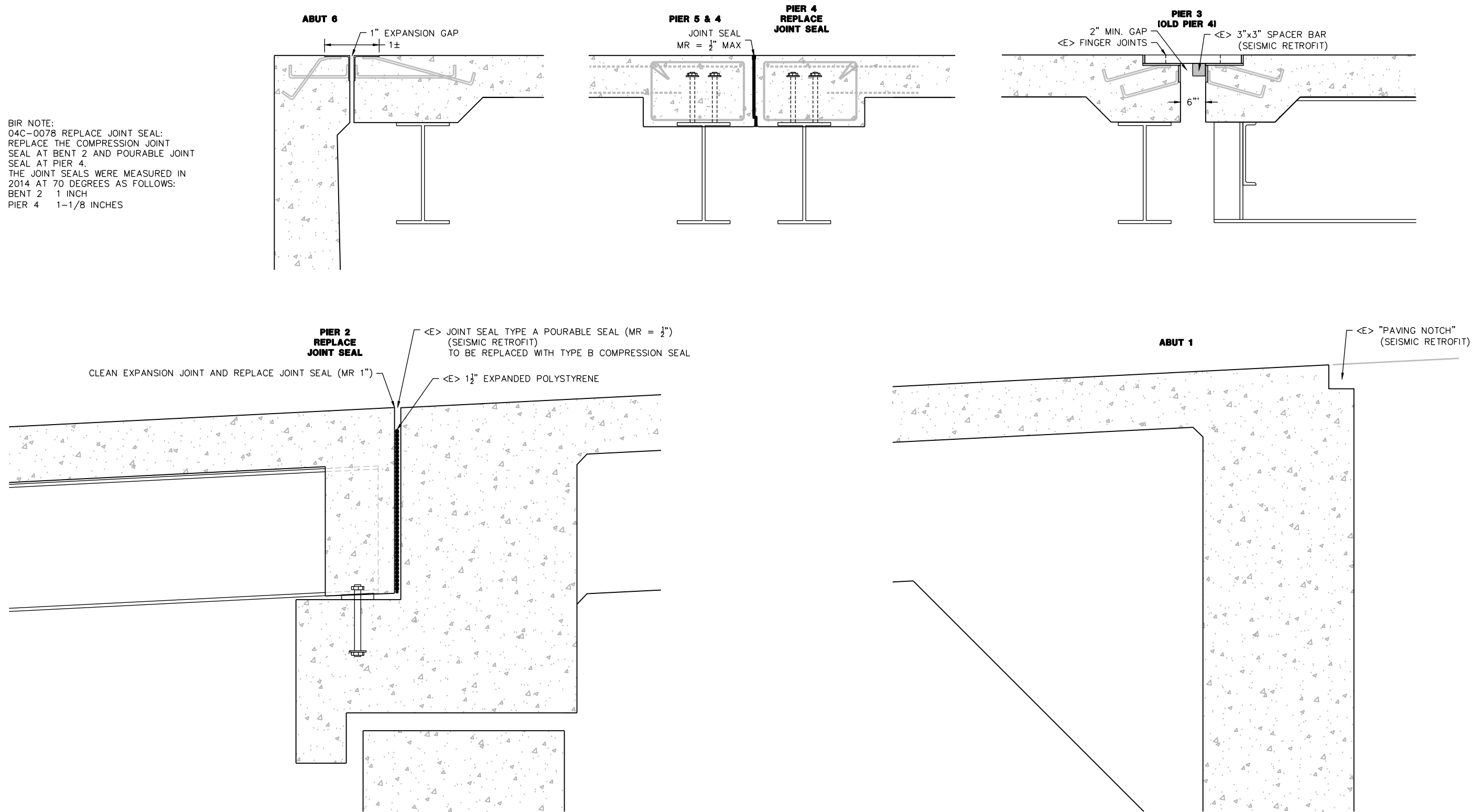
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: MATTOLE ROAD		DESIGN SECTION	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS BRIDGE PREVENTIVE MAINTENANCE PROGRAM (04C-0078) MATTOLE RIVER BRIDGE PLAN AND PROFILE	SHEET 25 OF 36
	ROAD NO.: F3C010	MILE POST: 13.94	ENGINEERING		
	PROJECT NO.: BPMP 5904(155)		DESIGNED BY: RLB		
	CONTRACT NO.: 216155		DRAWN BY: RMD		
	DRAWING FILE NAME: 216155_CDSN 04C-0078		REVIEWED BY: JAB		
	PLOT DATE: 05/25/2021	REVISION DATE:	APPROVED BY: TRS		



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BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: MATTOLE ROAD		DESIGN SECTION	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS BRIDGE PREVENTIVE MAINTENANCE PROGRAM (04C-0078) MATTOLE RIVER BRIDGE EXPANSION JOINT DETAILS	SHEET 26 OF 36
	ROAD NO.: F3C010	MILE POST: 13.94	ENGINEERING		
	PROJECT NO.: BPMP 5904(155)		DESIGNED BY: RLB		
	CONTRACT NO.: 216155		DRAWN BY: RMD		
	DRAWING FILE NAME: 216155_CDSN 04C-0078		REVIEWED BY: JAB		
	PLOT DATE: 05/25/2021	REVISION DATE:	APPROVED BY: TRS		

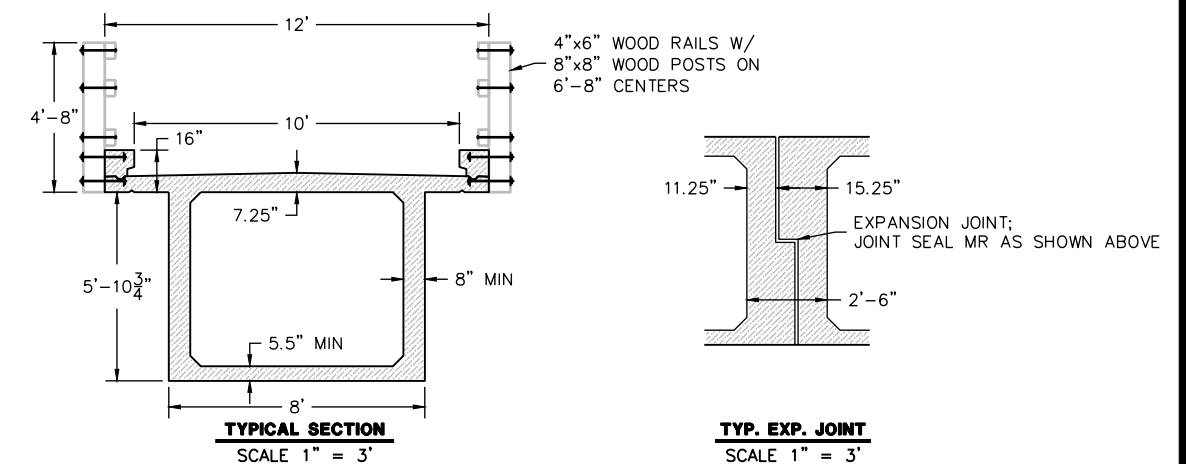
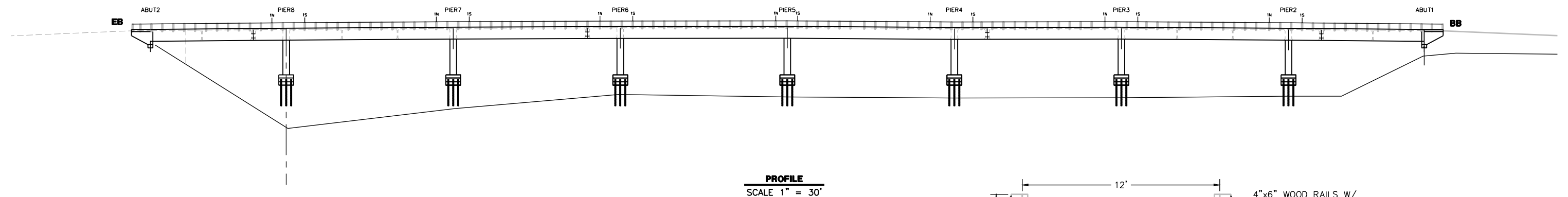
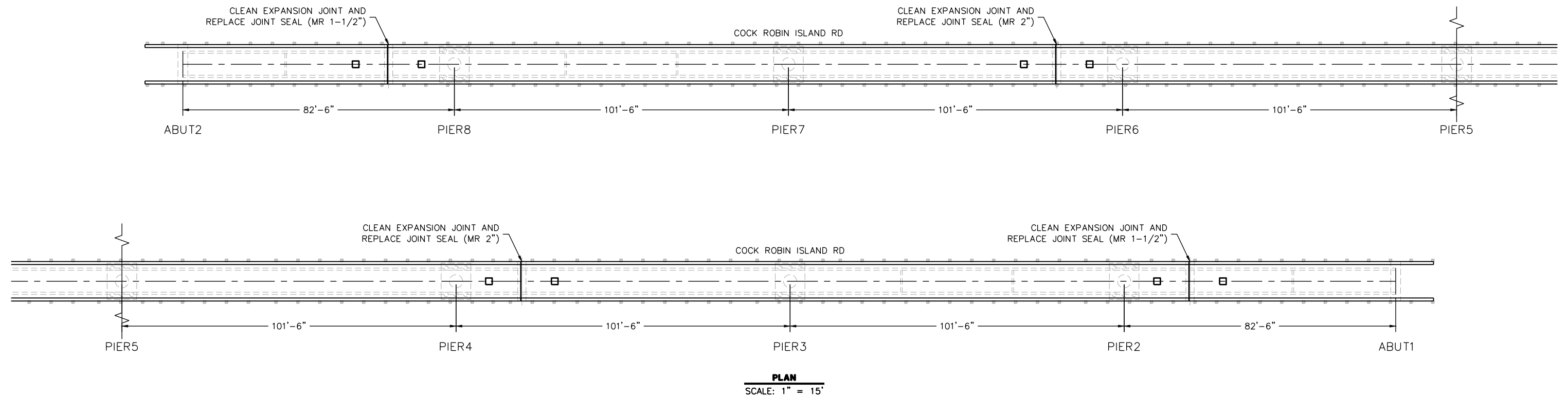


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EXPANSION JOINT DETAILS
SCALE 1" = 1'



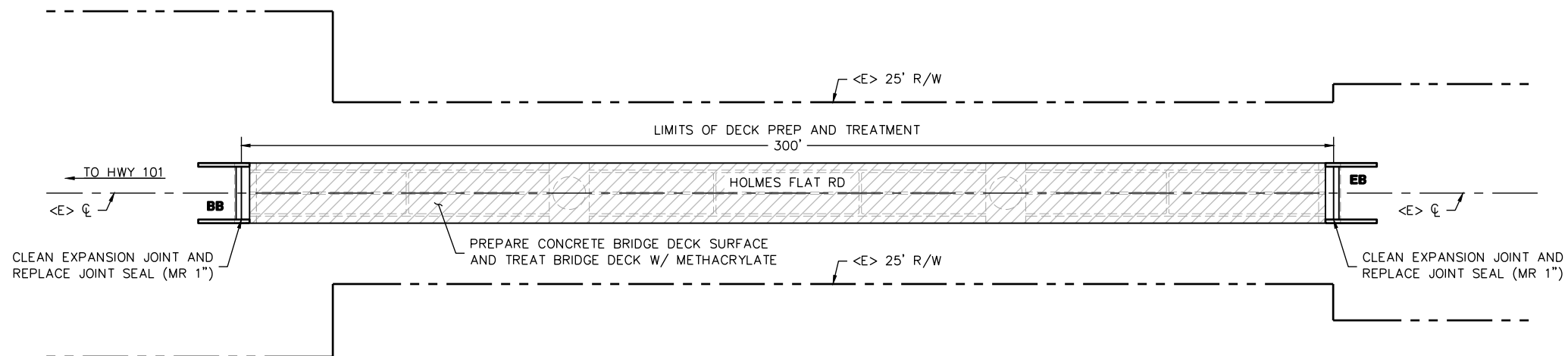
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: COCK ROBIN ISLAND ROAD		DESIGN SECTION	COUNTY OF HUMBOLDT	SHEET 27 OF 36
	ROAD NO.: 2H090 MILE POST: 0.73		ENGINEERING	DEPARTMENT OF PUBLIC WORKS	
	PROJECT NO.: BPMP 5904(155)		DESIGNED BY: RLB	BRIDGE PREVENTIVE MAINTENANCE PROGRAM (04C-0098) EEL RIVER BRIDGE PLAN, PROFILE AND TYP. SECTION	
	CONTRACT NO.: 216155		DRAWN BY: RMD		
	DRAWING FILE NAME: 216155 CDSN 04C-0098		REVIEWED BY: JAB		
	PLOT DATE: 05/25/2021 REVISION DATE:		APPROVED BY: TRS		



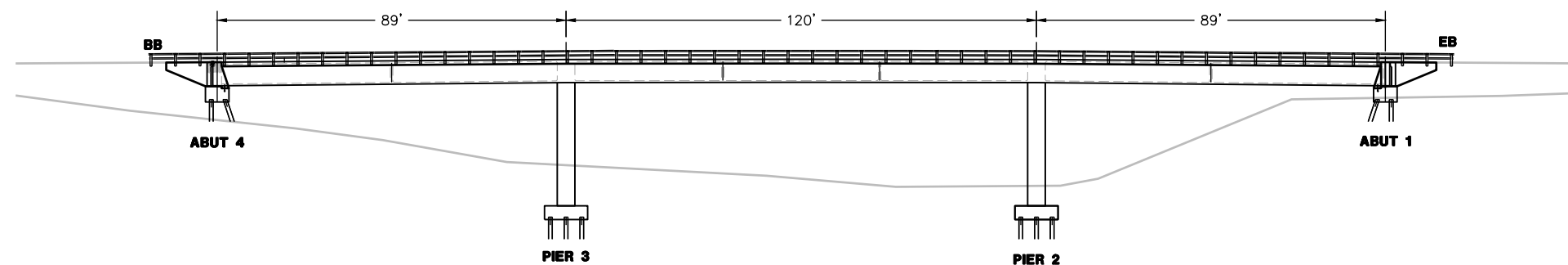
- NOTES:
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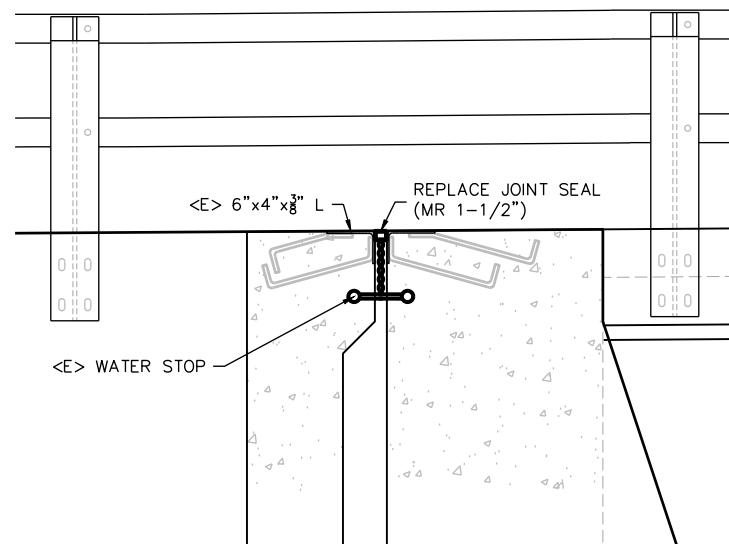
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: HOLMES FLAT ROAD		DESIGN SECTION	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS BRIDGE PREVENTIVE MAINTENANCE PROGRAM (04C-0099) LARABEE CREEK BRIDGE PLAN, PROFILE AND TYP. SECTION	SHEET 28 OF 36
	ROAD NO.: 5E020	MILE POST: 2.52	ENGINEERING		
	PROJECT NO.: BPMP 5904(155)		DESIGNED BY: RLB		
	CONTRACT NO.: 216155		DRAWN BY: RMD		
	DRAWING FILE NAME: 216155_CDSN 04C-0099		REVIEWED BY: JAB		
	PLOT DATE: 05/25/2021	REVISION DATE:	APPROVED BY: TRS		



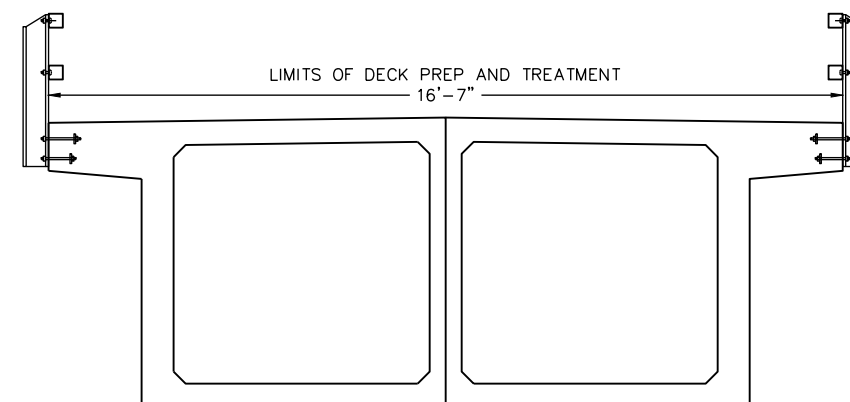
PLAN
SCALE: 1" = 20'



PROFILE
SCALE 1" = 20'



ABUTMENT JOINT DETAIL
SCALE 1" = 1'

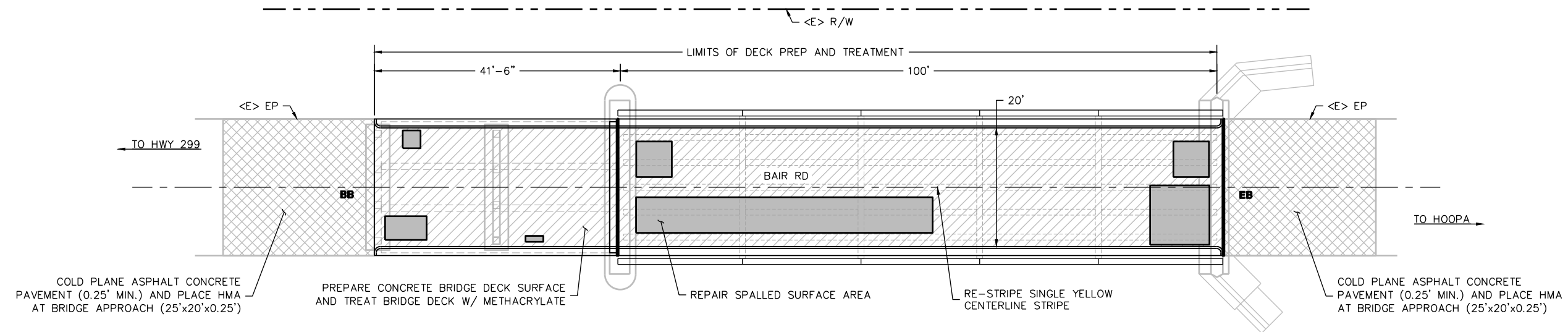


TYPICAL SECTION
SCALE 1" = 2'

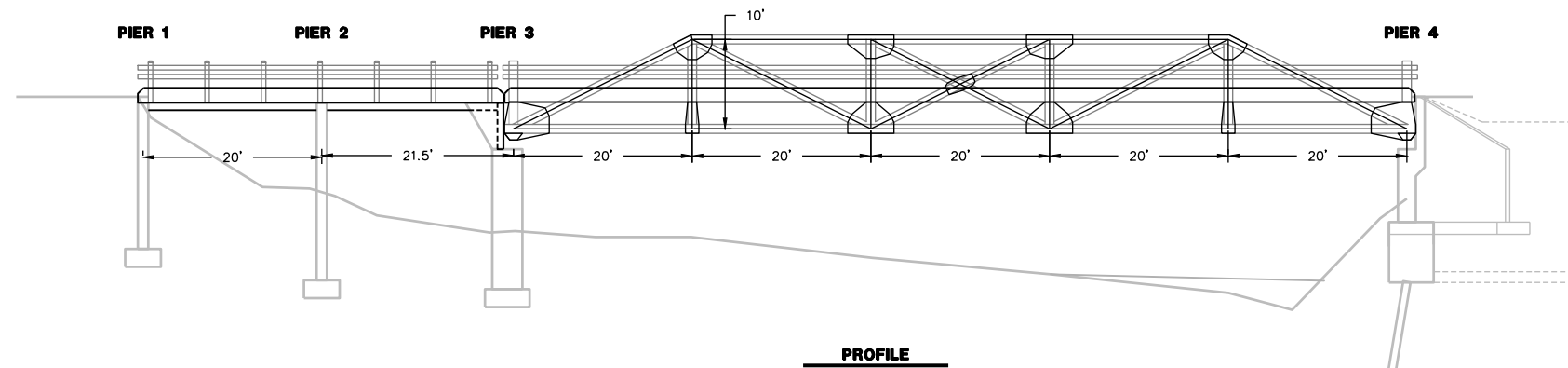
- NOTES:
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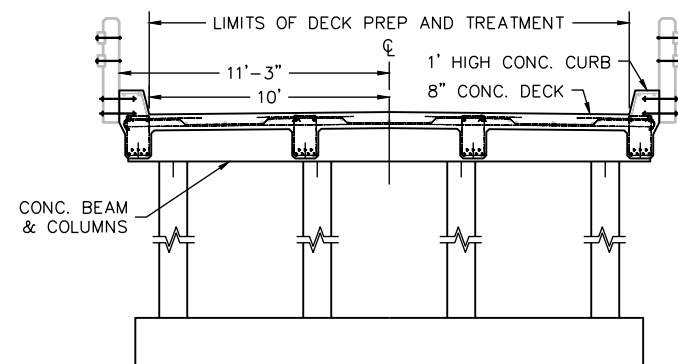
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: BAIR ROAD		DESIGN SECTION	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS BRIDGE PREVENTIVE MAINTENANCE PROGRAM (04C-0116) REDWOOD CREEK BRIDGE PLAN, PROFILE AND TYP. SECTION	SHEET 29 OF 36
	ROAD NO.: C6L300	MILE POST: 3.38	ENGINEERING		
	PROJECT NO.: BPMP 5904(155)		DESIGNED BY: RLB		
	CONTRACT NO.: 216155		DRAWN BY: RMD		
	DRAWING FILE NAME: 216155_CDSN 04C-0116		REVIEWED BY: JAB		
	PLOT DATE: 05/25/2021	REVISION DATE:	APPROVED BY: TRS		



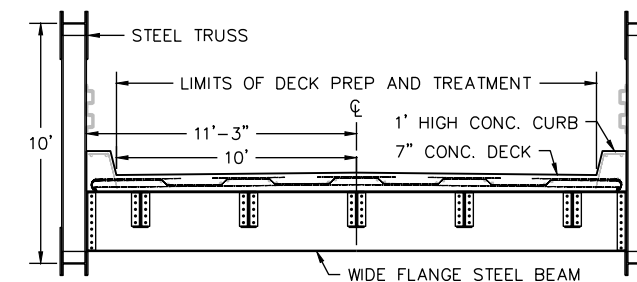
PLAN
SCALE: 1" = 10'



PROFILE
SCALE 1" = 10'



APPROACH SECTION
SCALE 1" = 4'



BRIDGE SECTION
SCALE 1" = 4'

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BAR IS ONE INCH ON ORIGINAL DRAWING

IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

ROAD NAME: BAIR ROAD

ROAD NO.: C6L300

MILE POST: 3.38

PROJECT NO.: BPMP 5904(155)

CONTRACT NO.: 216155

DRAWING FILE NAME: 216155_CDSN 04C-0116

PLOT DATE: 05/25/2021

REVISION DATE:

DESIGN SECTION

ENGINEERING

DESIGNED BY: RLB

DRAWN BY: RMD

REVIEWED BY: JAB

APPROVED BY: TRS

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS

BRIDGE PREVENTIVE MAINTENANCE PROGRAM

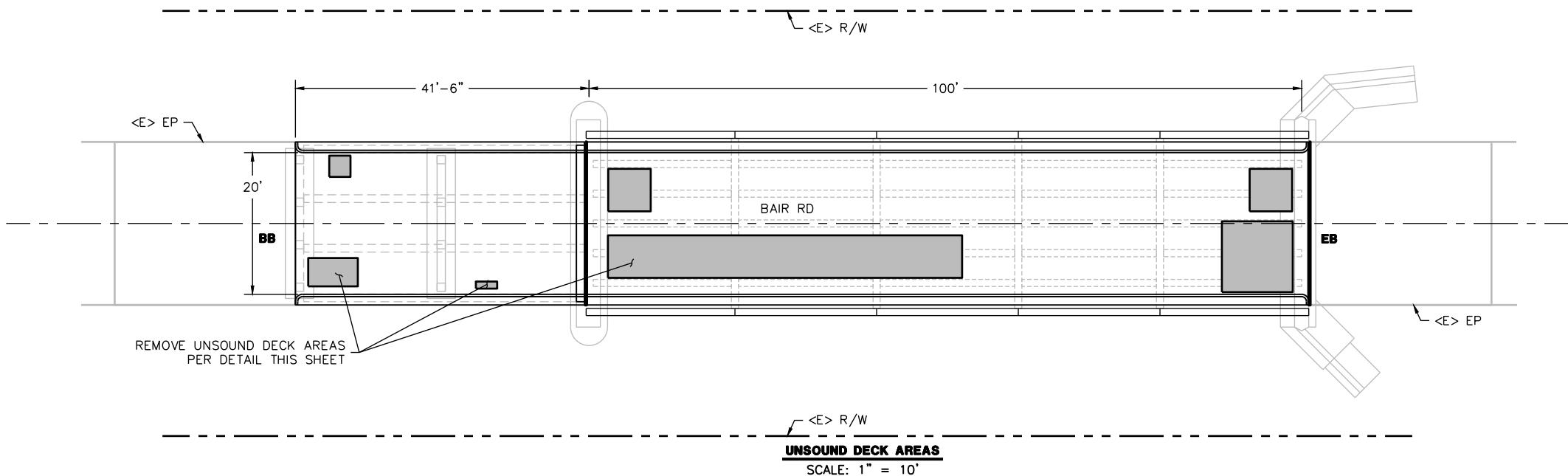
(04C-0116) REDWOOD CREEK BRIDGE
CONCRETE DECK REPAIR DETAILS

SHEET

30

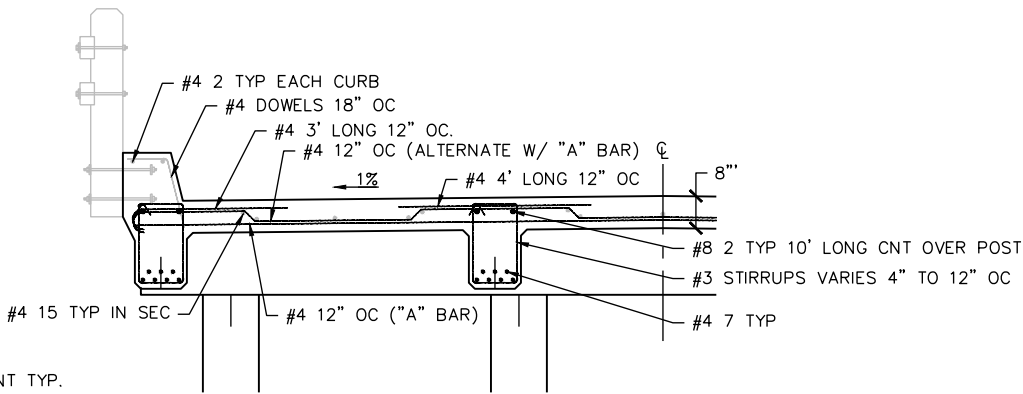
OF

36



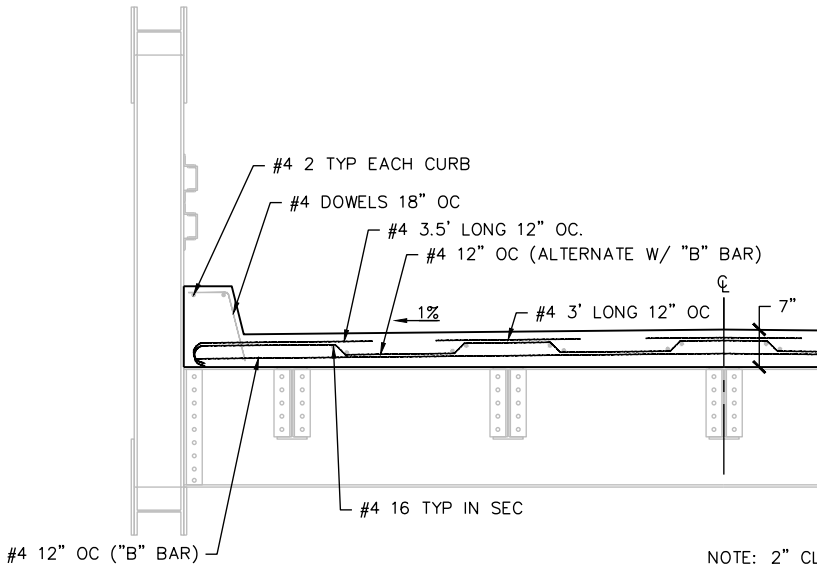
NOTE:

1. LOCATIONS SHOWN ARE APPROXIMATE AND TO BE DETERMINED BY THE ENGINEER. REINFORCEMENT MAY BE ENCOUNTERED DURING THE DECK CONCRETE REMOVAL. AND SHALL REMAIN UNDA MAGED. SEE SECTION 60-3.02C(5) OF THE STANDARD SPECIFICATIONS.
2. WHEN EXISTING TRANSVERSE REINFORCEMENT IS EXPOSED IN THE DECK SURFACE, SAW CUTTING MUST BE WAIVED WITH THE APPROVAL OF THE ENGINEER.
3. REMOVE UNSOUND CONCRETE AND UNSOUND CONCRETE PATCHES TO EXPOSE SOUND, HARD CONCRETE SUBSTRATE. REPLACE ORIGINAL DECK SURFACE WITH RAPID SETTING CONCRETE PATCH
4. VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE OPERATING OR FABRICATING ANY MATERIAL



NOTE: 2" CLEAR REINFORCEMENT TYP.

APPROACH DECK REINFORCEMENT
SCALE 1" = 2'



NOTE: 2" CLEAR REINFORCEMENT TYP.

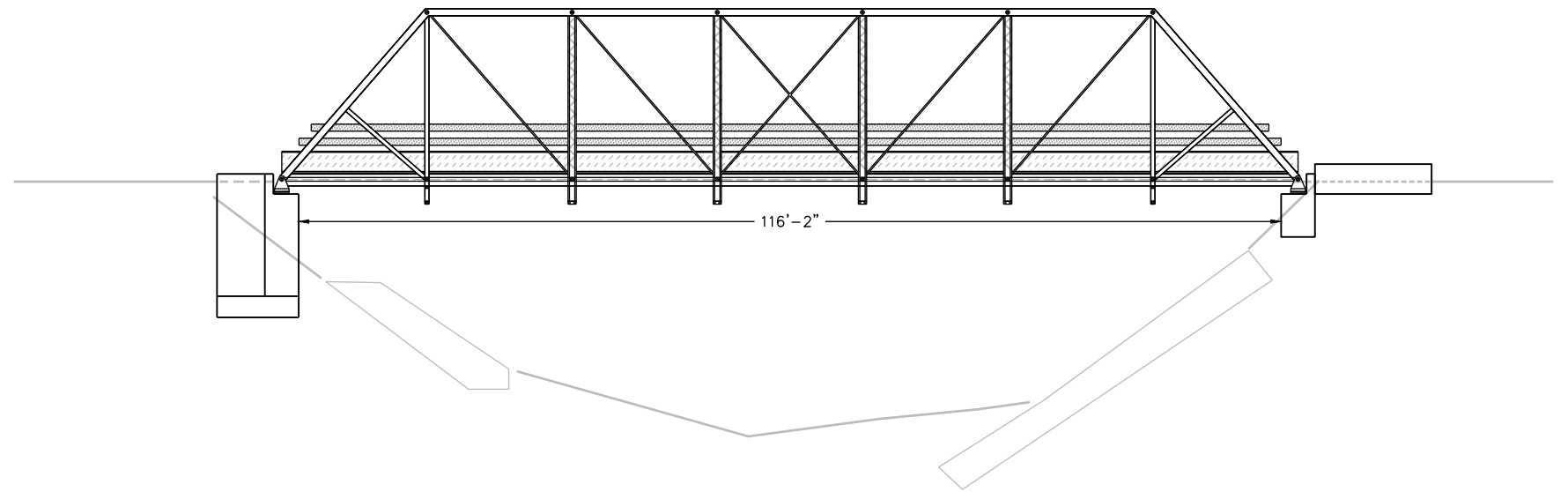
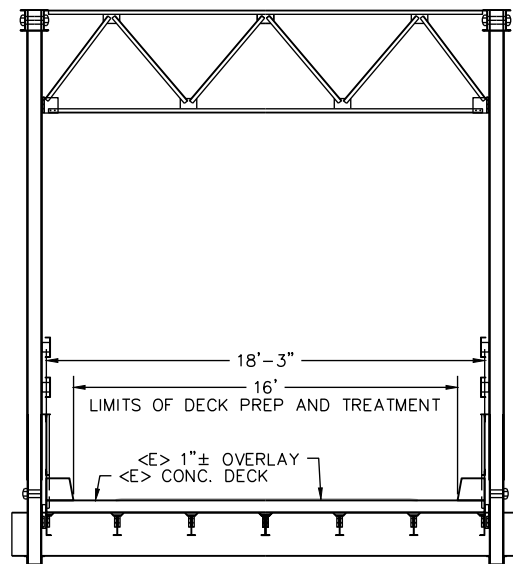
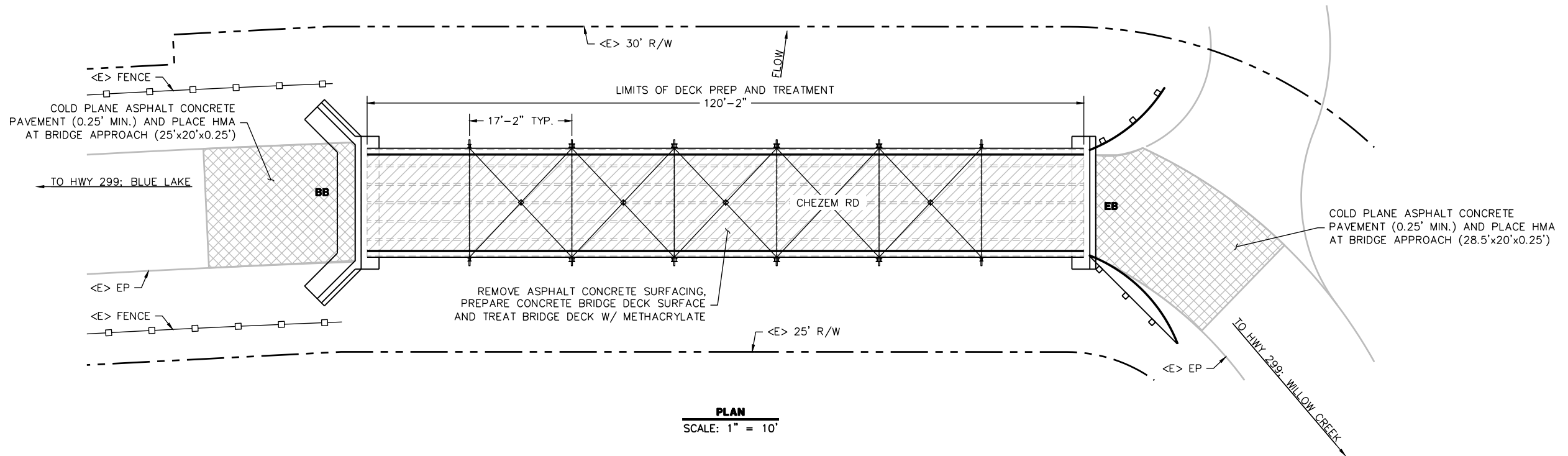
MAIN DECK REINFORCEMENT
SCALE 1" = 2'

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BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: CHEZEM ROAD		DESIGN SECTION	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS BRIDGE PREVENTIVE MAINTENANCE PROGRAM (04C-0121) REDWOOD CREEK BRIDGE PLAN, PROFILE AND TYP. SECTION	SHEET 31 OF 36
	ROAD NO.: 6L200	MILE POST: 1.49	ENGINEERING		
	PROJECT NO.: BPMP 5904(155)		DESIGNED BY: RLB		
	CONTRACT NO.: 216155		DRAWN BY: RMD		
	DRAWING FILE NAME: 216155_CDSN 04C-0121		REVIEWED BY: JAB		
	PLOT DATE: 05/25/2021	REVISION DATE:	APPROVED BY: TRS		

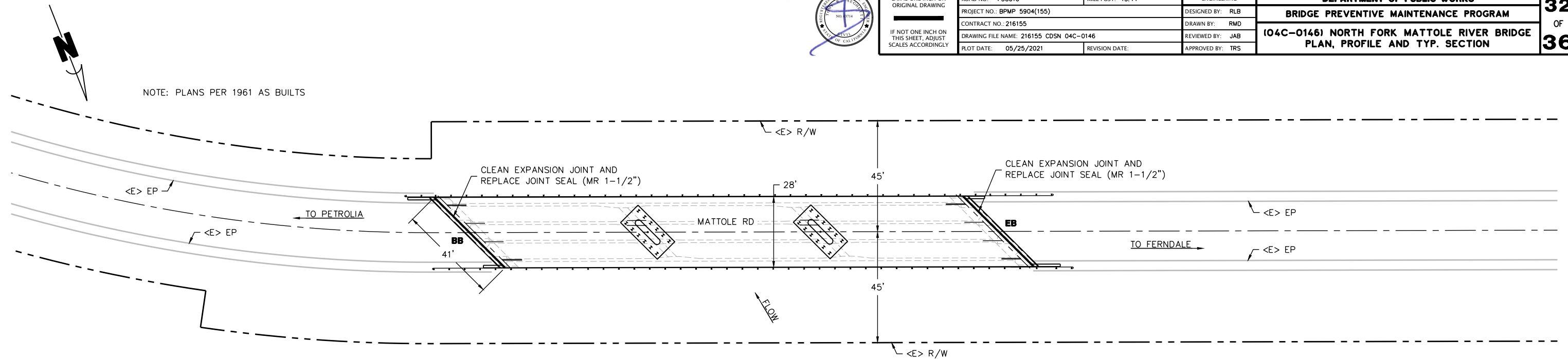


- NOTES:
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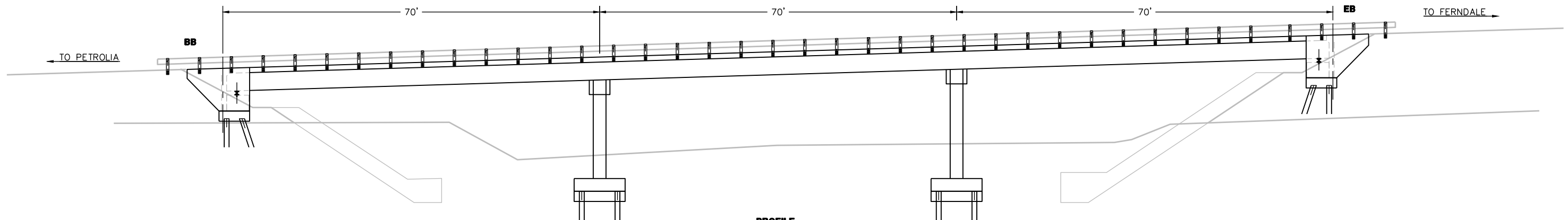
NOTE:
CONTRACTOR TO REMOVE <E> ASPHALT CONCRETE SURFACING ON BRIDGE DECK PER STANDARD SPECIFICATIONS 60-3.02C(3). THE CONTRACTOR TO REPAIR THE CONCRETE DECK PER DETAILS SHEET 6 IN THE AREAS AS DELINEATED BY THE ENGINEER.



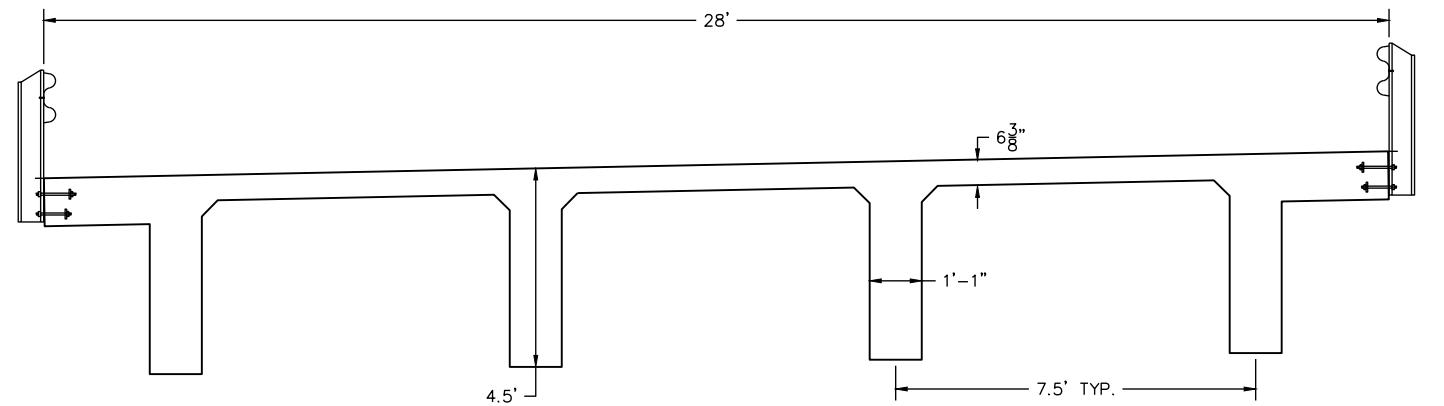
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: MATTOLE ROAD		DESIGN SECTION	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS BRIDGE PREVENTIVE MAINTENANCE PROGRAM 104C-0146) NORTH FORK MATTOLE RIVER BRIDGE PLAN, PROFILE AND TYP. SECTION	SHEET 32 OF 36
	ROAD NO.: F3C010	MILE POST: 15.44	ENGINEERING		
	PROJECT NO.: BPMP 5904(155)		DESIGNED BY: RLB		
	CONTRACT NO.: 216155		DRAWN BY: RMD		
	DRAWING FILE NAME: 216155_CDSN 04C-0146		REVIEWED BY: JAB		
	PLOT DATE: 05/25/2021	REVISION DATE:	APPROVED BY: TRS		



PLAN
SCALE: 1" = 20'



PROFILE
SCALE 1" = 10'

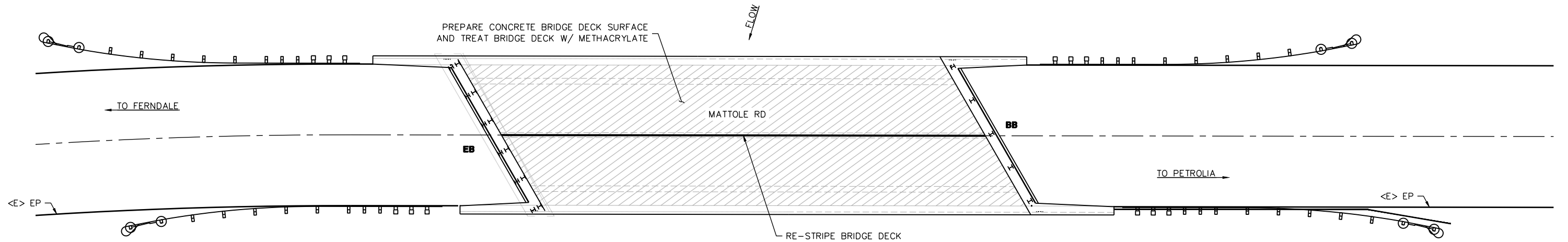


TYPICAL SECTION
SCALE 1" = 2'

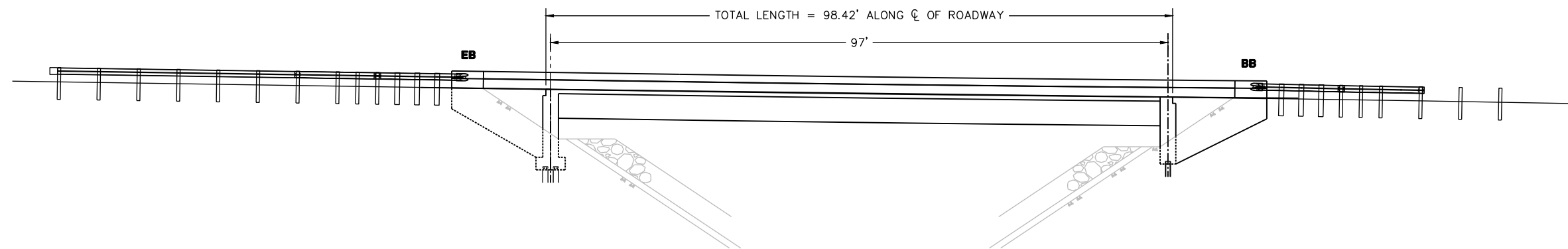
- NOTES:
- 1) ALL EXISTING DIMENSIONS ARE APPROXIMATE.
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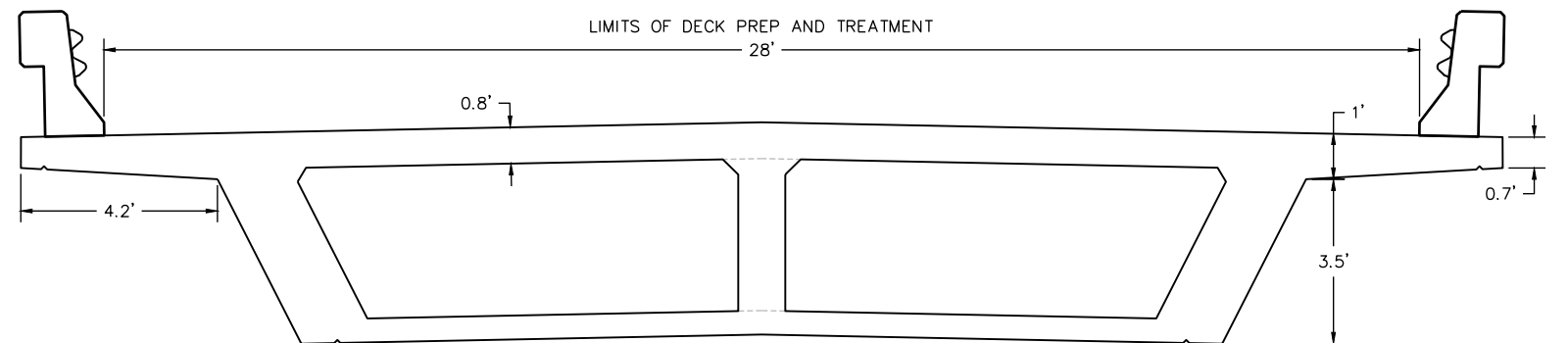
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: MATTOLE ROAD		DESIGN SECTION	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS BRIDGE PREVENTIVE MAINTENANCE PROGRAM (04C-0167) DAVIS CREEK BRIDGE PLAN, PROFILE AND TYP. SECTION	SHEET 33 OF 36
	ROAD NO.: F3C010	MILE POST: 22.20	ENGINEERING		
	PROJECT NO.: BPMP 5904(155)		DESIGNED BY: RLB		
	CONTRACT NO.: 216155		DRAWN BY: RMD		
	DRAWING FILE NAME: 216155_CDSN 04C-0167		REVIEWED BY: JAB		
	PLOT DATE: 05/25/2021	REVISION DATE:	APPROVED BY: TRS		



PLAN
SCALE: 1" = 10'



PROFILE
SCALE 1" = 10'

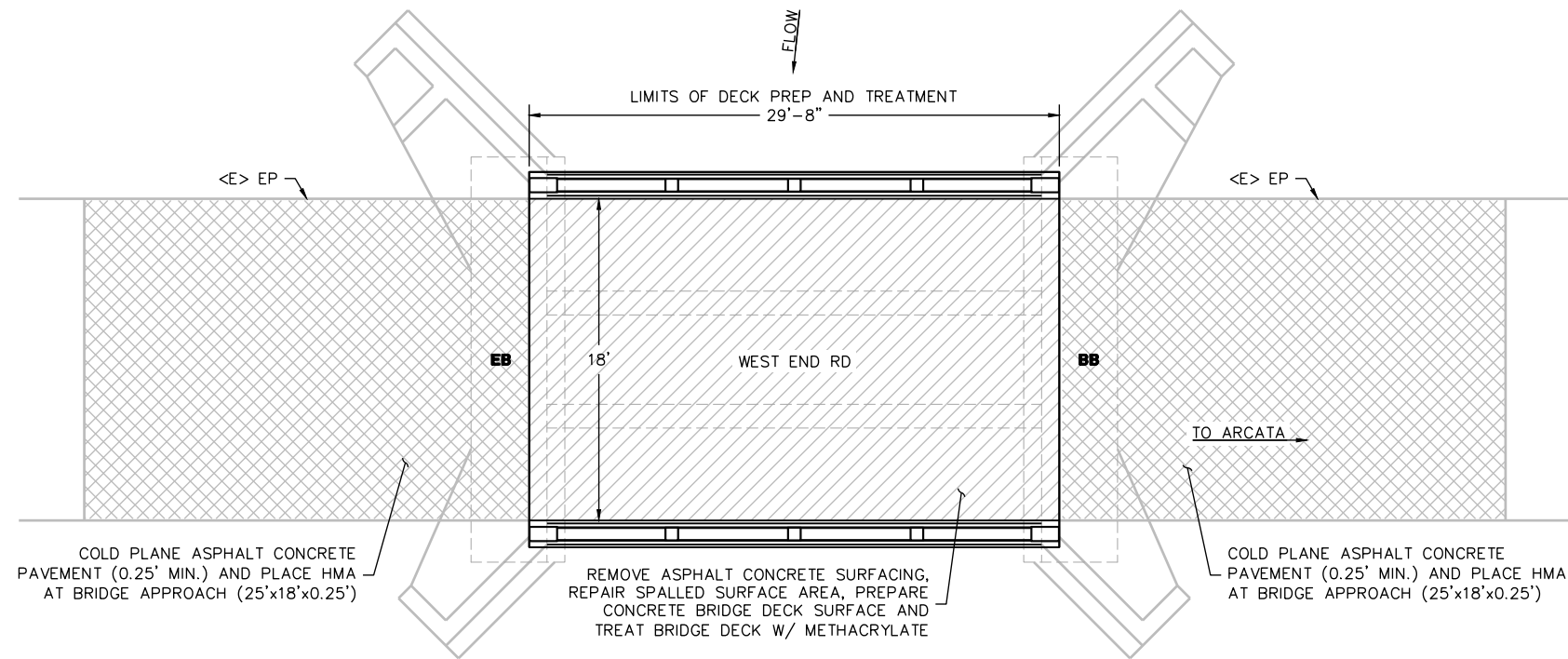


TYPICAL SECTION
SCALE 1" = 2'

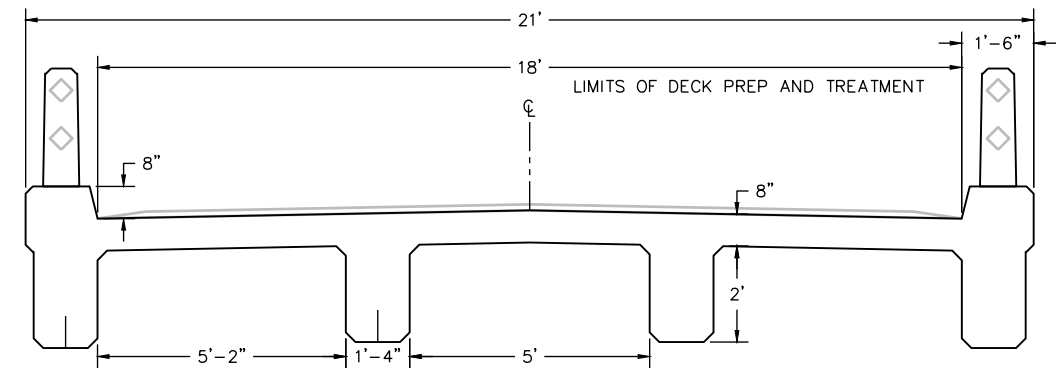
- NOTES:
- 1) ALL EXISTING DIMENSIONS ARE APPROXIMATE.
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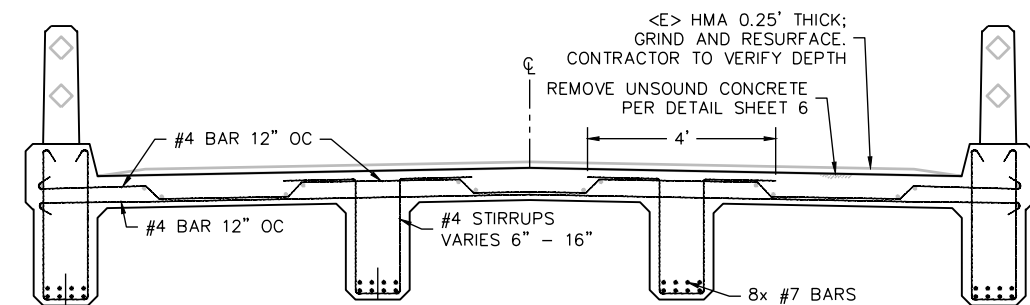
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: WEST END ROAD		DESIGN SECTION	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS BRIDGE PREVENTIVE MAINTENANCE PROGRAM (04C-0206) WARREN CREEK BRIDGE PLAN, PROFILE AND TYP. SECTIONS	SHEET 34 OF 36
	ROAD NO.: 5L010	MILE POST: 4.55	ENGINEERING		
	PROJECT NO.: BPMP 5904(155)		DESIGNED BY: RLB		
	CONTRACT NO.: 216155		DRAWN BY: RMD		
	DRAWING FILE NAME: 216155_CDSN_04C-0206		REVIEWED BY: JAB		
	PLOT DATE: 05/25/2021	REVISION DATE:	APPROVED BY: TRS		



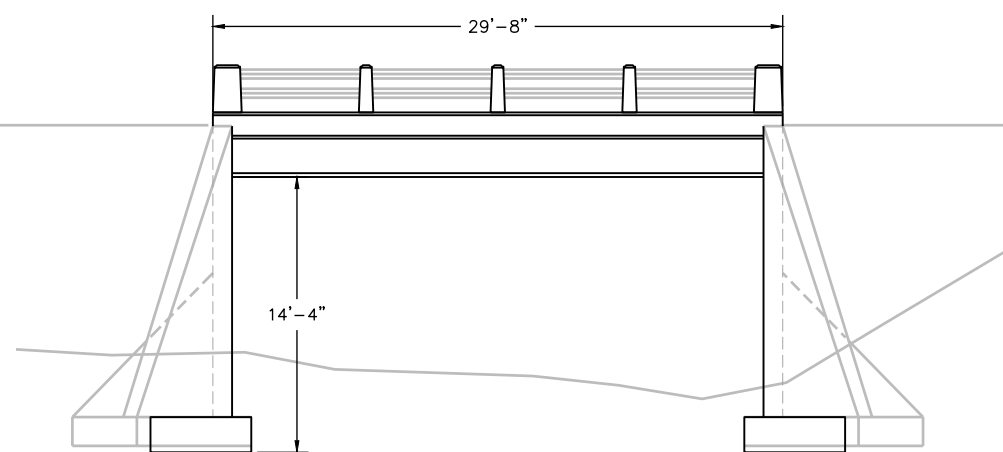
PLAN
SCALE: 1" = 5'



TYPICAL SECTION
SCALE: 1" = 2'



SLAB REINFORCEMENT DETAIL
SCALE: 1" = 2'

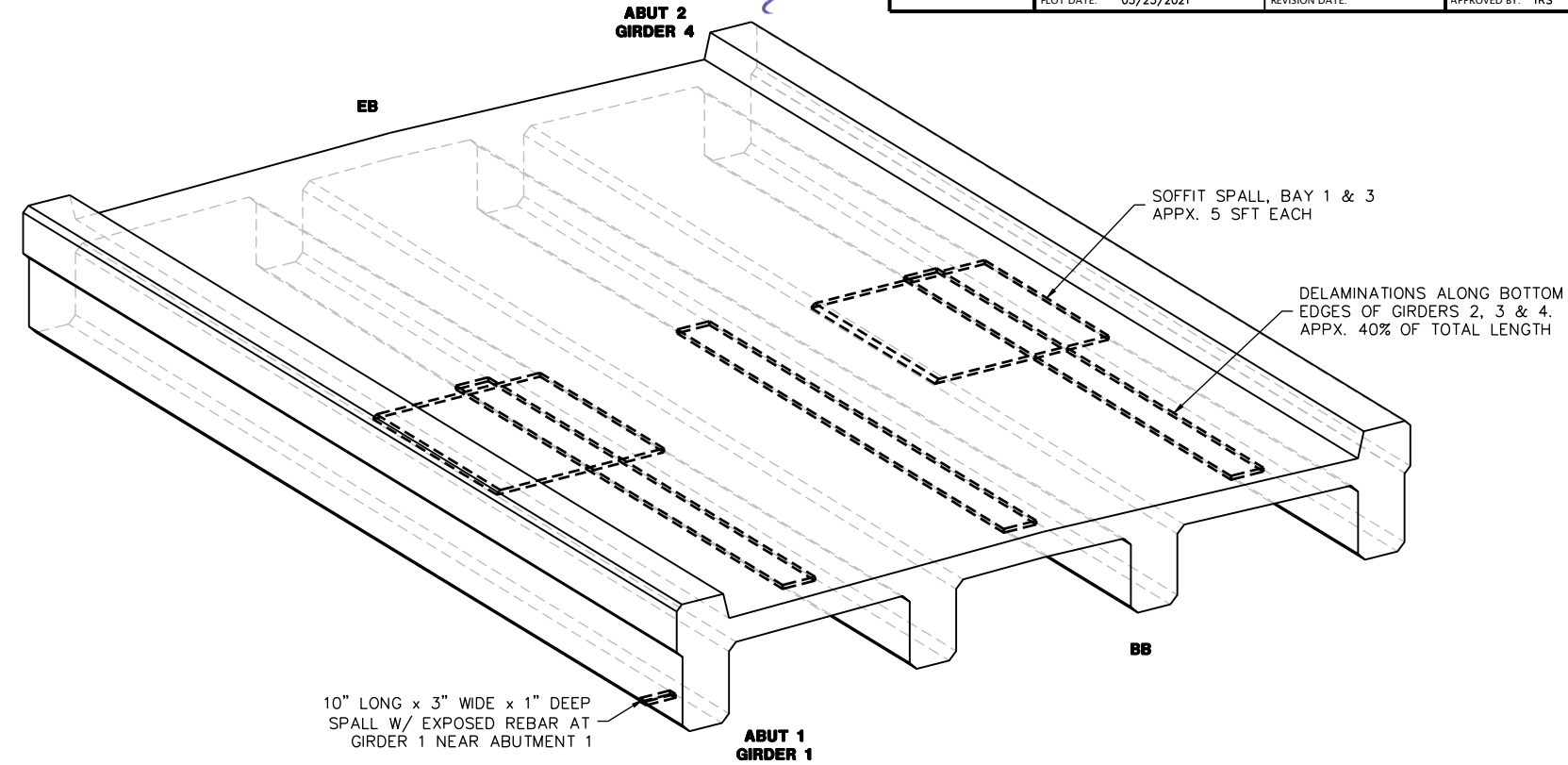


PROFILE
SCALE 1" = 5'

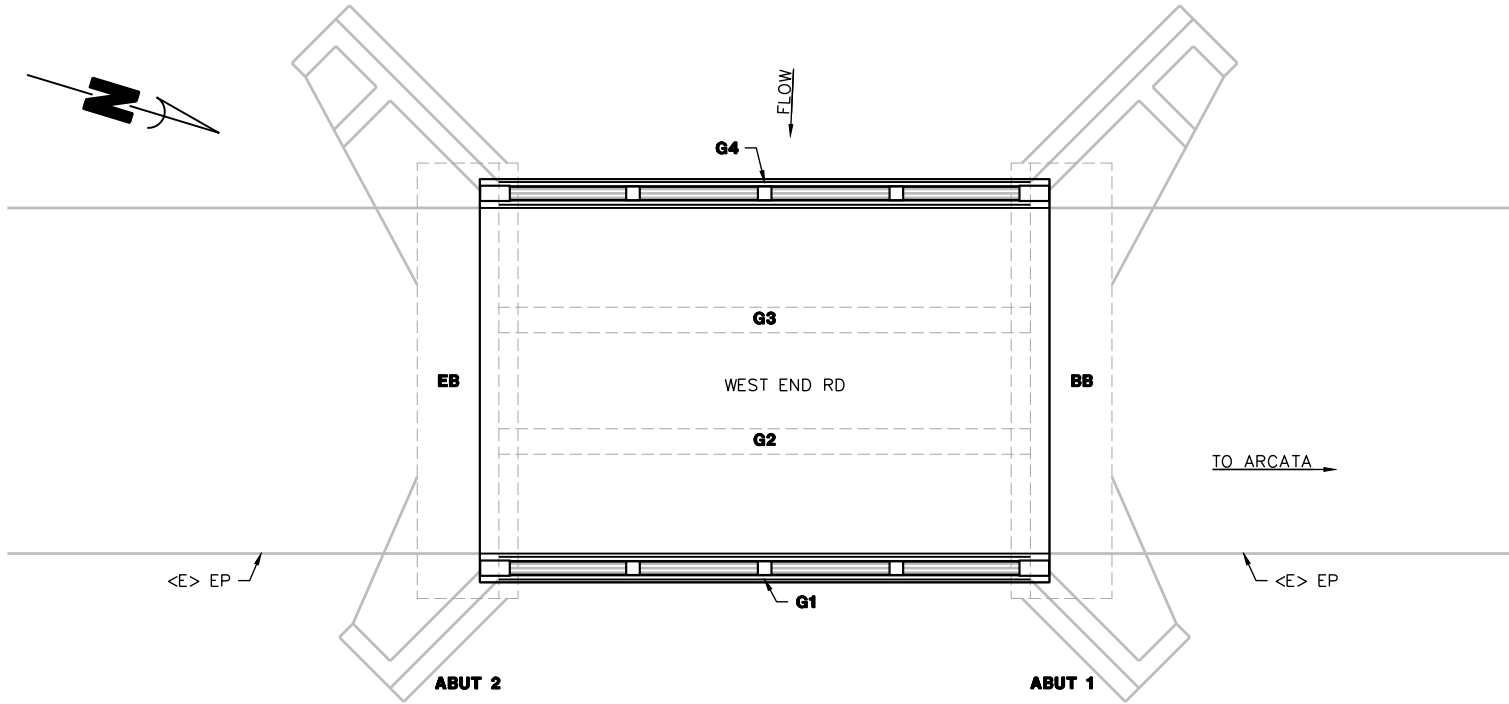
- NOTES:
- 1) ALL EXISTING DIMENSIONS ARE APPROXIMATE.
 - 2) EXISTING UTILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
 - 3) THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: WEST END ROAD		DESIGN SECTION	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS BRIDGE PREVENTIVE MAINTENANCE PROGRAM (04C-0206) WARREN CREEK BRIDGE DELAMINATION AND SPALL LOCATIONS	SHEET 35 OF 36
	ROAD NO.: 5L010	MILE POST: 4.55	ENGINEERING		
	PROJECT NO.: BPMP 5904(155)		DESIGNED BY: RLB		
	CONTRACT NO.: 216155		DRAWN BY: RMD		
	DRAWING FILE NAME: 216155_CDSN 04C-0206		REVIEWED BY: JAB		
	PLOT DATE: 05/25/2021	REVISION DATE:	APPROVED BY: TRS		



OBLIQUE VIEW OF BRIDGE
N.T.S.



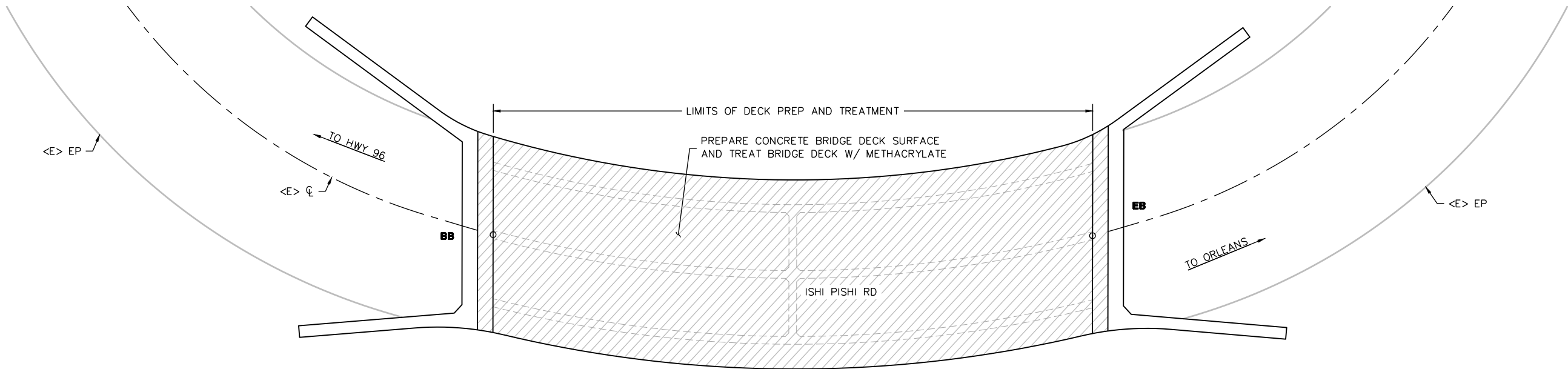
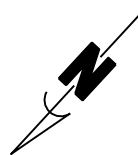
BRIDGE NOMENCLATURE
SCALE 1" = 5'

- NOTES:
- 1) PATCH THE EXPOSED REINFORCING BARS IN THE SOFFIT OF THE BRIDGE DECK.
- THERE ARE 6 EXPOSED TRANSVERSE REINFORCING BARS IN THE SOFFIT IN BAY 1 (NEAR MIDSPAN), AND 5 BARS IN BAY 3. THE BARS ARE COVERED WITH SURFACE RUST AND HAVE MINOR PITTING BUT NO SIGNIFICANT SECTION LOSS. (QUANTITY = 32 SFT X 2 BAYS).
- 2) REMOVE LOOSE CONCRETE FROM GIRDERS AND PROTECT ANY EXPOSED REINFORCING BARS.
- THERE IS A 10 INCH LONG X 3 INCH WIDE X 1 INCH DEEP SPALL WITH AN EXPOSED REBAR AT GIRDER 1 NEAR ABUTMENT 1. (QUANTITY = 3 FT).
- THERE ARE LONGITUDINAL CRACKS UP TO 0.03 INCH WIDE AND DELAMINATIONS ALONG THE BOTTOM EDGES (PREDOMINANTLY IN THE MIDDLE THIRD) OF GIRDERS 2, 3 AND 4. (QUANTITY = 40% OF TOTAL LENGTH)
- 3) UNSOUND CONCRETE DECK PATCHES (NOT SHOWN) ARE ASSUMED TO BE 5% OF TOTAL DECK AREA. (Quantity = 0.05 X 30' X 18')

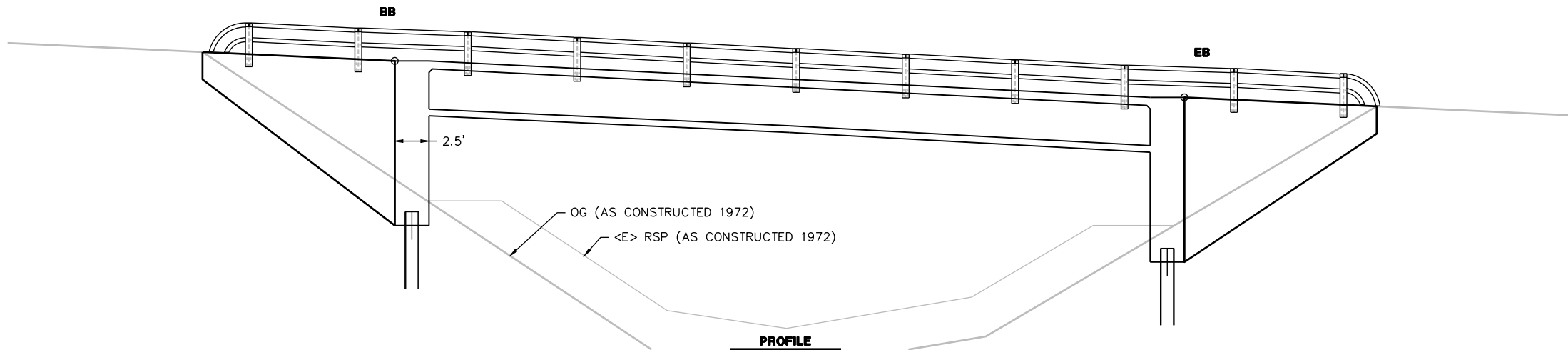
- NOTES:
- 1) ALL EXISTING DIMENSIONS ARE APPROXIMATE.
- 2) EXISTING UTILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
- 3) THE CONTRACTOR MUST VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.



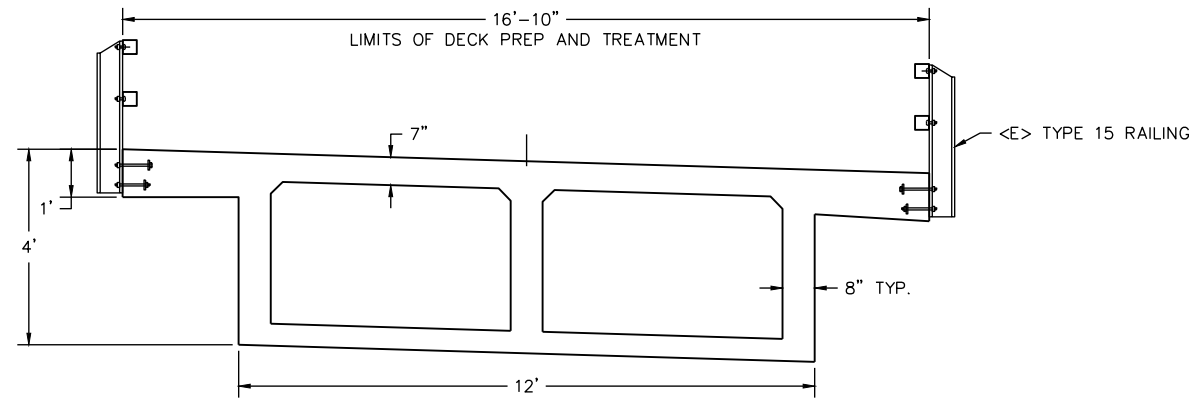
BAR IS ONE INCH ON ORIGINAL DRAWING	ROAD NAME: ISHI PISHI ROAD		DESIGN SECTION	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS	SHEET 36 OF 36
	ROAD NO: 9R100	MILE POST: 2.96	ENGINEERING		
	PROJECT NO.: BPMP 5904(155)		DESIGNED BY: RLB		
	CONTRACT NO.: 216155		DRAWN BY: RMD		
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	DRAWING FILE NAME: 216155 CDSN 04C-0223		REVIEWED BY: JAB	(04C-0223) WILSON CREEK BRIDGE PLAN, PROFILE AND TYP. SECTIONS	
	PLOT DATE: 05/25/2021	REVISION DATE:	APPROVED BY: TRS		



PLAN
SCALE: 1" = 5'



PROFILE
SCALE 1" = 5'



PROFILE
SCALE 1" = 2'

NOTES:
1) ALL EXISTING DIMENSIONS ARE APPROXIMATE.
2) EXISTING UTILITIES HAVE NOT BEEN PLOTTED ON THESE PLANS.
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