

Sheet List Table		
Sheet	Sheet No.	Title
GENERAL		
1	G-001	COVER SHEET
2	G-002	SHEET KEY AND INDEX
3	G-003	SUMMARY OF QUANTITIES AND ABBREVIATIONS
4	G-004	SURVEY CONTROL AND STAGING LOCATIONS
5	G-005	TRAIL ALIGNMENT LINE AND CURVE TABLE
6	G-006	STRIPING & SIGN SCHEDULE
7	G-007	TYPICAL SECTIONS 1 OF 8
8	G-008	TYPICAL SECTIONS 2 OF 8
9	G-009	TYPICAL SECTIONS 3 OF 8
10	G-010	TYPICAL SECTIONS 4 OF 8
11	G-011	TYPICAL SECTIONS 5 OF 8
12	G-012	TYPICAL SECTIONS 6 OF 8
13	G-013	TYPICAL SECTIONS 7 OF 8
14	G-014	TYPICAL SECTIONS 8 OF 8
15	G-015	TYPICAL PAYMENT SECTIONS 1 OF 7
16	G-016	TYPICAL PAYMENT SECTIONS 2 OF 7
17	G-017	TYPICAL PAYMENT SECTIONS 3 OF 7
18	G-018	TYPICAL PAYMENT SECTIONS 4 OF 7
19	G-019	TYPICAL PAYMENT SECTIONS 5 OF 7
20	G-020	TYPICAL PAYMENT SECTIONS 6 OF 7
21	G-021	TYPICAL PAYMENT SECTIONS 7 OF 7

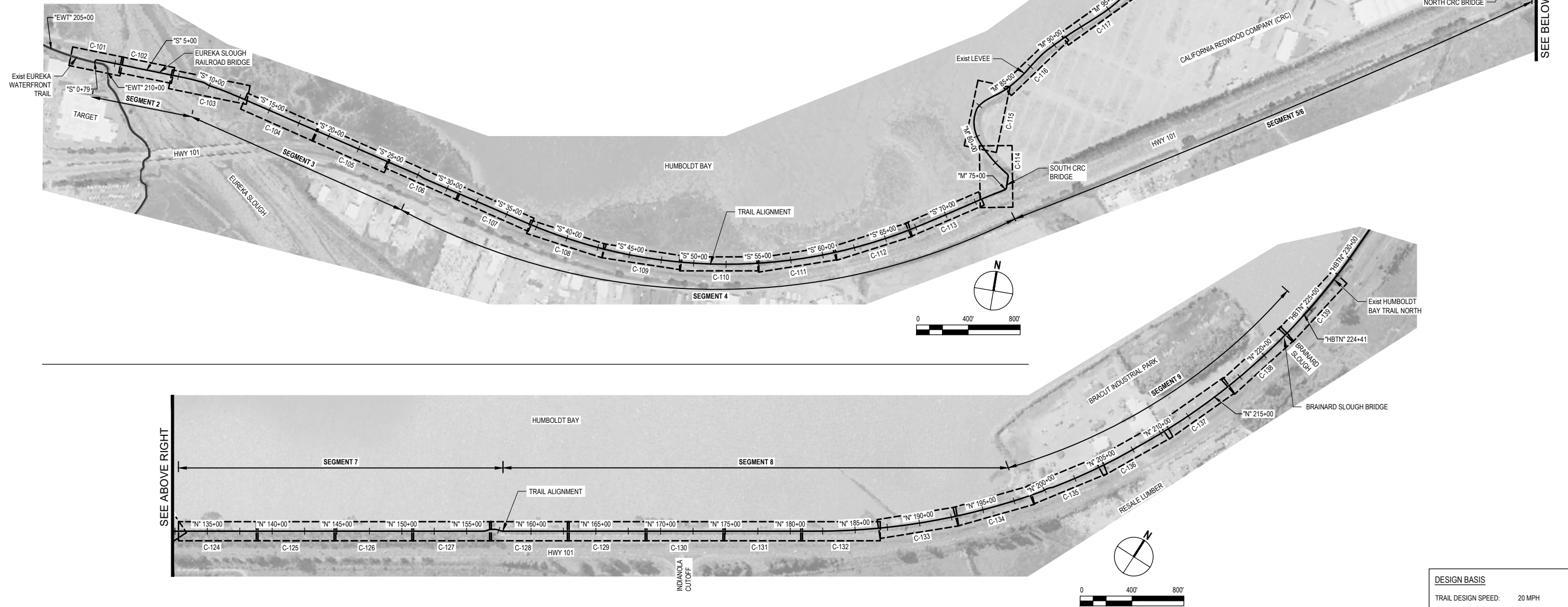
TRAIL PLAN AND PROFILES: EUREKA SLOUGH TO CRC SOUTH		
22	C-101	TRAIL PLAN & PROFILE STA "S" 0+79 TO "S" 3+00
23	C-102	TRAIL PLAN & PROFILE STA "S" 3+00 TO "S" 7+00
24	C-103	TRAIL PLAN & PROFILE STA "S" 7+00 TO "S" 13+00
25	C-104	TRAIL PLAN & PROFILE STA "S" 13+00 TO "S" 19+00
26	C-105	TRAIL PLAN & PROFILE STA "S" 19+00 TO "S" 25+00
27	C-106	TRAIL PLAN & PROFILE STA "S" 25+00 TO "S" 31+00
28	C-107	TRAIL PLAN & PROFILE STA "S" 31+00 TO "S" 37+00
29	C-108	TRAIL PLAN & PROFILE STA "S" 37+00 TO "S" 43+00
30	C-109	TRAIL PLAN & PROFILE STA "S" 43+00 TO "S" 49+00
31	C-110	TRAIL PLAN & PROFILE STA "S" 49+00 TO "S" 55+00
32	C-111	TRAIL PLAN & PROFILE STA "S" 55+00 TO "S" 61+00
33	C-112	TRAIL PLAN & PROFILE STA "S" 61+00 TO "S" 67+00
34	C-113	TRAIL PLAN & PROFILE STA "S" 67+00 TO "S" 73+00
TRAIL PLAN AND PROFILES: CRC SOUTH TO CRC NORTH		
35	C-114	TRAIL PLAN & PROFILE STA "M" 73+00 TO "M" 79+00
36	C-115	TRAIL PLAN & PROFILE STA "M" 79+00 TO "M" 85+00
37	C-116	TRAIL PLAN & PROFILE STA "M" 85+00 TO "M" 91+00
38	C-117	TRAIL PLAN & PROFILE STA "M" 91+00 TO "M" 97+00
39	C-118	TRAIL PLAN & PROFILE STA "M" 97+00 TO "M" 103+00
40	C-119	TRAIL PLAN & PROFILE STA "M" 103+00 TO "M" 109+00
41	C-120	TRAIL PLAN & PROFILE STA "M" 109+00 TO "M" 115+00
42	C-121	TRAIL PLAN & PROFILE STA "M" 115+00 TO "M" 121+00
43	C-122	TRAIL PLAN & PROFILE STA "M" 121+00 TO "M" 127+00
44	C-123	TRAIL PLAN & PROFILE STA "M" 127+00 TO "M" 133+00

TRAIL PLAN AND PROFILES: CRC NORTH TO BRAINARD SLOUGH		
45	C-124	TRAIL PLAN & PROFILE STA "N" 133+00 TO "N" 139+00
46	C-125	TRAIL PLAN & PROFILE STA "N" 139+00 TO "N" 145+00
47	C-126	TRAIL PLAN & PROFILE STA "N" 145+00 TO "N" 151+00
48	C-127	TRAIL PLAN & PROFILE STA "N" 151+00 TO "N" 157+00
49	C-128	TRAIL PLAN & PROFILE STA "N" 157+00 TO "N" 163+00
50	C-129	TRAIL PLAN & PROFILE STA "N" 163+00 TO "N" 169+00
51	C-130	TRAIL PLAN & PROFILE STA "N" 169+00 TO "N" 175+00
52	C-131	TRAIL PLAN & PROFILE STA "N" 175+00 TO "N" 181+00
53	C-132	TRAIL PLAN & PROFILE STA "N" 181+00 TO "N" 187+00
54	C-133	TRAIL PLAN & PROFILE STA "N" 187+00 TO "N" 193+00
55	C-134	TRAIL PLAN & PROFILE STA "N" 193+00 TO "N" 199+00
56	C-135	TRAIL PLAN & PROFILE STA "N" 199+00 TO "N" 205+00
57	C-136	TRAIL PLAN & PROFILE STA "N" 205+00 TO "N" 211+00
58	C-137	TRAIL PLAN & PROFILE STA "N" 211+00 TO "N" 217+00
59	C-138	TRAIL PLAN & PROFILE STA "N" 217+00 TO "N" 223+00
60	C-139	TRAIL PLAN & PROFILE STA "N" 223+00 TO "N" 229+00
ENLARGED LAYOUTS		
61	C-401	CONNECTION TO EUREKA WATERFRONT TRAIL
62	C-402	EUREKA SLOUGH NORTH TRAIL
63	C-403	CRC SOUTH TRAIL
64	C-404	CRC NORTH TRAIL
65	C-405	BRACUT INTERSECTION TRAIL
66	C-406	BRAINARD SLOUGH DEMOLITION AND REMOVAL
67	C-407	BRAINARD SLOUGH IMPROVEMENTS

DRAINAGE PROFILES		
68	CD-401	DRAINAGE PROFILES
CONSTRUCTION DETAILS		
69	C-501	CONSTRUCTION DETAILS 1 OF 5
70	C-502	CONSTRUCTION DETAILS 2 OF 5
71	C-503	CONSTRUCTION DETAILS 3 OF 5
72	C-504	CONSTRUCTION DETAILS 4 OF 5
73	C-505	CONSTRUCTION DETAILS 5 OF 5
STRUCTURAL GENERAL PLANS		
74	S-101	EUREKA SLOUGH BRIDGE RETROFIT-GENERAL PLAN
75	S-102	SOUTH CRC BRIDGE-GENERAL PLAN
76	S-103	NORTH CRC BRIDGE-GENERAL PLAN
77	S-104	BRAINARD SLOUGH BRIDGE-GENERAL PLAN
STRUCTURAL LAYOUTS AND DETAILS		
78	S-501	EUREKA SLOUGH BRIDGE-TYPICAL SECTIONS
79	S-502	P/C BRIDGES-ABUTMENT DETAILS No. 1
80	S-503	P/C BRIDGES-ABUTMENT DETAILS No. 2
81	S-504	P/C BRIDGE BENT DETAILS
82	S-505	24" CISS PILE DETAILS
83	S-506	P/C BRIDGES SLAB LAYOUTS
84	S-507	P/S CONCRETE SLABS SOUTH CRC BRIDGE
85	S-508	P/S CONCRETE SLABS NORTH CRC BRIDGE
86	S-509	P/S CONCRETE SLABS BRAINARD SLOUGH BRIDGE

87	S-510	SLAB DETAILS
88	S-511	PRECAST BRIDGE-RAILING DETAILS No. 1
89	S-512	PRECAST BRIDGE-RAILING DETAILS No. 2
90	S-513	PRECAST BRIDGE-RAILING DETAILS No. 3
91	S-514	EUREKA SLOUGH BRIDGE - SPANS 1-4 DETAILS
92	S-515	EUREKA SLOUGH BRIDGE - SPANS 5-7 DETAILS
93	S-516	EUREKA SLOUGH BRIDGE - SPANS 8-22 DETAILS
94	S-517	EUREKA SLOUGH BRIDGE GIRDER DETAILS NO. 1
95	S-518	EUREKA SLOUGH BRIDGE GIRDER DETAILS NO. 2
96	S-519	EUREKA SLOUGH BRIDGE-RAILING DETAILS No. 1
97	S-520	EUREKA SLOUGH BRIDGE-RAILING DETAILS No. 2
98	S-521	EUREKA SLOUGH BRIDGE-RAILING DETAILS No. 3
99	S-522	EUREKA SLOUGH BRIDGE-RAILING DETAILS No. 4

LIGHTING PLAN		
100	E-101	STREET LIGHT PLAN
EROSION CONTROL		
101	EC-101	EROSION CONTROL 1 OF 8
102	EC-102	EROSION CONTROL 2 OF 8
103	EC-103	EROSION CONTROL 3 OF 8
104	EC-104	EROSION CONTROL 4 OF 8
105	EC-105	EROSION CONTROL 5 OF 8
106	EC-106	EROSION CONTROL 6 OF 8
107	EC-107	EROSION CONTROL 7 OF 8
108	EC-108	EROSION CONTROL 8 OF 8



DESIGN BASIS	
TRAIL DESIGN SPEED:	20 MPH

No.	Issue	Drawn	Approved	Date



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Client	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS		
Project	HUMBOLDT BAY TRAIL SOUTH		
Title	SHEET KEY AND INDEX		
GHD Project No.	11110166 & 11218356		
Original Size	ANSI D	Sheet No.	G-002
		Sheet	2 of 108























SUMMARY OF QUANTITIES

Base Bid				
ITEM NO.	ITEM CODE	ITEM DESCRIPTION	UNIT	QUANTITY
1	050000	Construction Surveys	LS	1
2	120100	Traffic Control System	LS	1
3	130100	Job Site Management	LS	1
4	130300	Prepare Storm Water Pollution Prevention Plan	LS	1
5	130310	Rain Event Action Plan	EA	20
6	130320	Storm Water Sampling and Analysis Day	EA	10
7	130330	Storm Water Annual Report	EA	2
8	130610	Temporary Check Dam	LF	510
9	130640	Temporary Fiber Roll	LF	21532
10	130680	Temporary Silt Fence	LF	3817
11	130900	Temporary Concrete Washout	LS	1
12	141001	Health and Safety Plan	LS	1
13	153125	Remove Concrete (Driveway)	LS	1
14	155000	Remove Railroad Track	LF	6589
15	157000	Salvage Steel Grating	LS	1
16	170103	Clearing and Grubbing (LS)	LS	1
17	190101	Roadway Excavation	CY	4298
18	190102	Roadway Excavation (Unfit Material)	CY	815
19	192003	F Structure Excavation (Bridge)	CY	153
20	193003	F Structure Backfill (Bridge)	CY	98
21	194002	F Ditch Excavation (Tidal Channel)	CY	274
22	198050	F Embankment	CY	34177
23	198205	Subgrade Enhancement Geotextile	SQYD	13579
24	198215	Subgrade Enhancement Geogrid	SQYD	36532
25	198251	Geosynthetic Reinforcement (Uniaxial Geogrid)	SQYD	1332
26	198252	Geosynthetic Reinforcement (Biaxial Geogrid)	SQYD	964
27	210271	Rolled Erosion Control Product (Netting, Type B)	SQFT	136546
28	210272	Rolled Erosion Control Product (Netting, Type C)	SQFT	11591
29	210350	Fiber Rolls	LF	19767
30	210430	Hydroseed	SQFT	306623
31	260203	Class 2 Aggregate Base (CY)	CY	6518
32	260400	Clean Ballast Rock	LS	1
33	260450	Ballast Rock	TON	331
34	390095	Replace Asphalt Concrete Surfacing	CY	43
35	390132	Hot Mix Asphalt (Type A)	TON	4799
36	490740	P Furnish Piling (Class 90) (Alternative V)	LF	2540
37	490741	Drive Piling (Class 90) (Alternative V)	EA	42
38	495115	P Furnish 24" Cast-In-Steel Shell Concrete Piling	LF	494
39	495116	Drive 24" Cast-In-Steel Shell Concrete Piling	EA	6
40	510051	F Structural Concrete, Bridge Footing	CY	33
41	510053	F Structural Concrete, Bridge	CY	119
42	511112	Drill and Bond Dowel (Chemical Adhesive)	EA	414
43	512355	P Furnish Precast Prestressed Slab (15 in)	SQFT	576
44	512356	P Furnish Precast Prestressed Slab (21 in)	SQFT	2004
45	512357	P Furnish Precast Prestressed Slab (30 in)	SQFT	960
46	512515	Erect Precast Prestressed Concrete Slab	EA	15
47	520110	Bar Reinforcing Steel (Epoxy Coated) (Bridge)	LB	34707
48	540100	F Deck Seal	SQFT	2980

Base Bid, Continued				
ITEM NO.	ITEM CODE	ITEM DESCRIPTION	UNIT	QUANTITY
49	570121	F Treated Lumber and Timber (Bridge) (Trail Surface)	MFBM	17
50	570122	Treated Lumber (Wooden Retaining Border)	LF	147
51	575045	Treated Timber Pedestrian Railing	LF	1476
52	590122	Clean and Paint Steel Piling Shell	LS	1
53	590124	Clean and Paint Galvanized Pedestrian Railing	LS	1
54	600013	Repair Spalled Surface Area	SQFT	2
55	600014	Repair Girder End Side Anchorage	EA	84
56	600131	Remove Bridge Cable Railing and Posts	LS	1
57	600132	Clean and Cover Expansion Joint	EA	21
58	641107	18" Plastic Pipe	LF	176
59	705311	18" Alternative Flared End Section	EA	6
60	705518	18" Automatic Drainage Gate (HDPE)	EA	3
61	710131	Remove Culvert (18") (EA)	EA	4
62	710133	Remove Culvert (60") (EA)	EA	2
63	720110	F Small-Rock Slope Protection	CY	1103
64	723055	Rock Slope Protection (1/4 T, Class V, Method B) (TON)	TON	3403
65	723075	Rock Slope Protection (150 lb, Class III, Method B) (TON)	TON	1825
66	723100	Rock Slope Protection (20 lb, Class I, Method B) (TON)	TON	10642
67	730015	Minor Concrete (Flush Curb, Type A) (LF)	LF	3383
68	730016	Minor Concrete (Flush Curb, Type B) (LF)	LF	196
69	730070	Detectable Warning Surface	SQFT	260
70	731517	Minor Concrete (Driveway)	SQFT	102
71	731525	Minor Concrete (Trail)	SQFT	301
72	750501	F Miscellaneous Metal (Bridge)	LB	5900
73	750503	Removable Metal Bollard	EA	2
74	770095	Lighting System (Solar)	LS	1
75	780210	Survey Monument (Type A)	EA	5
76	782125	Relocate Ladder	LS	1
77	791000	Bench	EA	4
78	792000	Trail Counter System	EA	2
79	793000	Flangeway Filler System	LF	1856
80	794008	Replace Treated Timber Crosstie (8" x 8" x 8')	EA	125
81	794010	Replace Treated Timber Crosstie (8" x 10" x 10')	EA	74
82	800305	Chain Link Fence (Type CL-3.5, Vinyl-Clad)	LF	5092
83	800361	Chain Link Fence (Type CL-6, Vinyl-Clad)	LF	569
84	800405	6' Welded Wire Fence	LF	1958
85	803020	Remove Fence	LF	1755
86	820230	Remove Sign	EA	5
87	820590	Relocate Roadside Sign - One Post	EA	7
88	820840	Roadside Sign - One-Post	EA	6
89	820845	Trail Sign - One-Post	EA	18
90	820855	Interpretive Sign - Two-Post	EA	3
91	833092	F Metal Pedestrian Railing	LF	755
92	840504	4" Thermoplastic Traffic Stripe	LF	29076
93	840505	6" Thermoplastic Traffic Stripe	LF	284
94	840515	Thermoplastic Pavement Marking	SQFT	976
95	999990	Mobilization	LS	1

Additive Bid - Replace Treated Timber Crossties				
ITEM NO.	ITEM CODE	ITEM DESCRIPTION	UNIT	QUANTITY
96	794008	Replace Treated Timber Crosstie (8" x 8" x 8')	EA	353


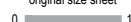

LEGEND

	ENVIRONMENTALLY SENSITIVE AREA
	HMA PAVING
	DETECTABLE WARNING SURFACE
	CONCRETE PAVING
	CURVE TAG
	LINE TAG
	LIMITS OF GRADING
	PROPERTY LINE / RIGHT OF WAY
	FLOWLINE
	LIMITS OF TREE REMOVAL
	CHAIN LINK FENCE / WELDED WIRE FENCE
	CULVERT
	APPROXIMATE LIMITS OF EXIST RSP
	EXIST CULVERT
	EXIST TREE
	EXIST CONCRETE SLAB/VAULT
	EXIST UNDERGROUND TELECOMMUNICATION
	EXIST UNDERGROUND GAS
	EXIST OVERHEAD ELECTRIC
	EXIST UNDERGROUND ELECTRIC (ABANDONED & DEACTIVATED)
	EXIST UNDERGROUND TELECOMMUNICATION (ABANDONED)
	EXIST STORM DRAIN

ABBREVIATIONS

AGG	AGGREGATE
APN	ASSESSORS PARCEL NUMBER
CAMUTCD	CALIFORNIA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION)
CBC	CALIFORNIA BUILDING CODE (CURRENT EDITION) CENTERLINE
CL / E	COUNTY OF HUMBOLDT
CRC	CALIFORNIA REDWOOD COMPANY
CTSP	2022 CALTRANS STANDARD PLAN
DWG	DRAWING
EW	EACH WAY
EWNT	ENHANCED WET NIGHT VISIBILITY
EWT	EUREKA WATERFRONT TRAIL
FL-ME	FLOWLINE-MATCH EXISTING
GB	GRADE BREAK
HCDPW	HUMBOLDT COUNTY DEPARTMENT OF PUBLIC WORKS
HBTN	HUMBOLDT BAY TRAIL NORTH
HBTS	HUMBOLDT BAY TRAIL SOUTH
IE	INVERT ELEVATION
LF	LINEAR FEET
LL	LANE LINE
LT	LEFT
ME	MATCH EXISTING
MIN	MINIMUM
MPH	MILES PER HOUR
NCRA	NORTH COAST RAIL AUTHORITY
NIC	NOT IN CONTRACT
NWPRR	NORTHWEST PACIFIC RAILROAD
PVI	POINT OF VERTICAL INTERSECTION
RC	RELATIVE COMPACTION
RT	RIGHT
TC	TOP OF CURB

- NOTES:**
- THE ABBREVIATIONS LISTED ABOVE SUPPLEMENT THOSE LISTED IN THE CALTRANS STANDARD PLANS A3A-A3C.
 - CONTACT COUNTY'S REPRESENTATIVE FOR ABBREVIATIONS NOT LISTED.

	Bar is one inch on original size sheet 			Drawn O. GOODE	Designer C. PENNY	Client COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS Project HUMBOLDT BAY TRAIL SOUTH Title SUMMARY OF QUANTITIES AND ABBREVIATIONS
				Drafting Check C. PENNY	Design Check J. WOLF	
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SURVEY NOTES:

- TOPOGRAPHIC DATA SHOWN HEREON WAS OBTAINED BY A FIELD SURVEY BY GUTIERREZ LAND SURVEYING BETWEEN FEBRUARY 14, 2017 AND MARCH 4, 2017. CONTOUR INTERVAL = 1 FOOT.
- BOUNDARY INFORMATION SHOWN HEREON WAS APPROXIMATED FROM RECORD INFORMATION. A BOUNDARY SURVEY WAS NOT CONDUCTED BY GUTIERREZ LAND SURVEYING.
- ALL ABOVE GROUND VISUAL UTILITY STRUCTURES FOUND DURING THIS SURVEY ARE SHOWN HEREON. THERE MAY EXIST ADDITIONAL STRUCTURES WITHIN THE SURVEY PROJECT AREA, BUT DUE TO THE EXISTENCE OF BRUSH AND GRASSES, THESE STRUCTURES, IF ANY, MAY NOT HAVE BEEN DETECTED, AND THEREFORE NOT LOCATED BY THIS SURVEY. NO UTILITY RESEARCH WAS CONDUCTED FOR THIS SURVEY.
- ADDITIONAL SURVEY MONUMENTS APPROXIMATED FROM:
 - AMENDED RECORD OF SURVEY CONTROL MONUMENTATION AND MONUMENT PERPETUATION MAP BY CALTRANS (BOOK 69 OF SURVEYS, PAGE 1).
 - RECORD OF SURVEY BY CALTRANS (BOOK 71 OF SURVEYS, PAGE 120 AND 121).

HORIZONTAL CONTROL:

SURVEY IS BASED ON THE CALIFORNIA COORDINATE SYSTEM (CCS83, EPOCH 2010), ZONE 1, NAVD 88, USING A STATIC GPS SURVEY OF THE FOLLOWING MONUMENTS AND BENCHMARKS SHOWN ON THE RECORD OF SURVEY BY CALTRANS DATED JULY 2, 2015 FILED IN BOOK 71 OF SURVEYS, PAGES 119-121, HUMBOLDT COUNTY RECORDS:

POINT	NORTHING	EASTING	DESCRIPTION
HUM D CA 01 RB	2,220,348.30	5,984,799.81	2.5" DISK STAMPED "CA-HPGN-DENSIFICATION STA. 01-RB- 1993"
503	2,192,085.05	5,984,339.02	BCIP STAMPED "01124-503 GPS"
501	2,186,539.67	5,976,209.67	BCIP STAMPED "01124-501 GPS"

THE COMBINED GRID FACTOR (CGF) AND CONVERGENCE ANGLE AT POINT NUMBER 501 ARE 0.99989855 & -1.383245° RESPECTIVELY. TO OBTAIN GROUND DISTANCES, DIVIDE DISTANCES BY THE APPROPRIATE CFG.

STATIC GPS OBSERVATIONS WERE MADE DURING THE TIME OF THIS SURVEY USING THE JAVAD TRIUMPH 2 RECEIVER. SURVEY CONTROL POINTS OBSERVATIONS ARE AS FOLLOWS (ELEVATIONS WERE OBTAINED FROM A FIELD TRAVERSE USING BENCHMARKS DESCRIBED BELOW):

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP#2	2,191,688.20	5,984,964.81	18.35	SET NAIL AND SHINER IN RR TIES
CP#3	2,191,116.00	5,984,628.69	13.77	SET NAIL AND SHINER IN RR TIES
CP#4	2,190,911.67	5,984,278.05	12.28	SET SPIKE IN TOP OF DIKE
CP#8	2,188,872.56	5,981,868.18	10.38	SET NAIL AND SHINER IN RR TIES
CP#19	2,186,809.68	5,978,660.30	9.80	SET NAIL AND SHINER IN PAVEMENT BETWEEN RR TACKS
CP#20	2,184,222.96	5,968,403.97	11.39	SET NAIL AND SHINER IN PAVEMENT (TARGET PARKING LOT)
CP#28	2,183,692.04	5,972,846.90	9.59	SET NAIL AND SHINER IN RR TIES
CP#36	2,186,539.67	5,976,209.67	19.49	FOUND BCIP STAMPED "01124-501-GPS" (POINT #501)
CP#42	2,184,788.00	5,975,297.13	11.16	SET SPIKE IN TOP OF DIKE

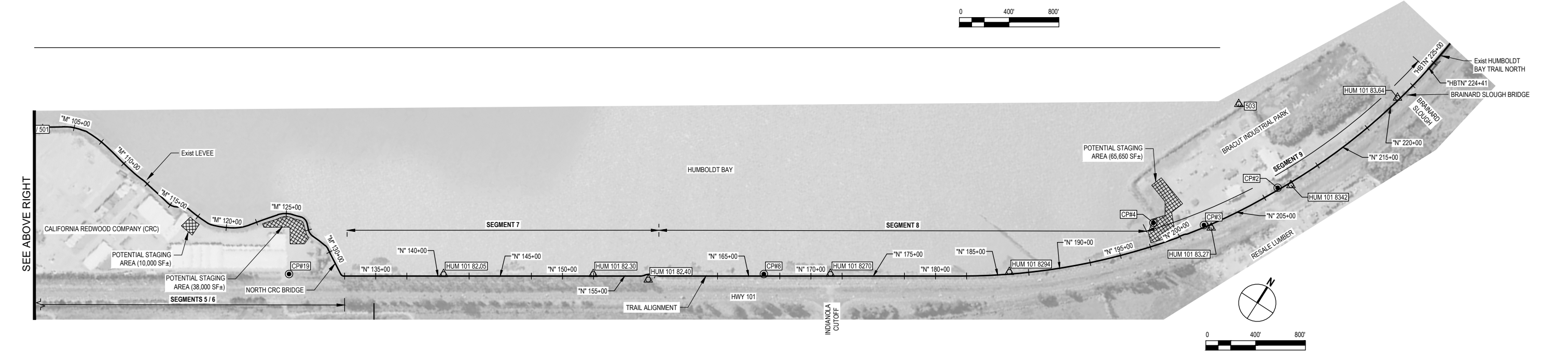
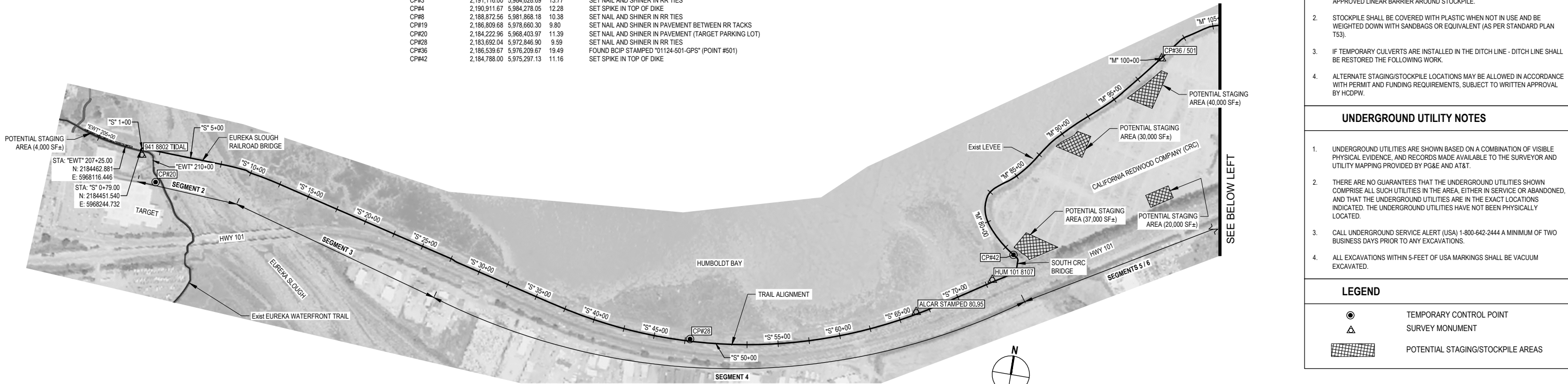
VERTICAL CONTROL:

BENCHMARKS USED FOR VERTICAL CONTROL OF THIS SURVEY WERE SET BY CALTRANS AND SHOWN ON THE RECORD OF SURVEY BY CALTRANS DATED JULY 2, 2015 AND FILED IN BOOK 71 OF SURVEYS, PAGES 119-121, HUMBOLDT COUNTY RECORDS. ALL BENCHMARKS ARE BASED ON NAVD 88 DATUM.

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
501	2,186,539.67	5,976,209.67	19.49	BCIP STAMPED "01124-501 GPS"
HUM 101 8107	2,184,560.91	5,975,162.62	10.42	ALCAR STAMPED "HUM 101 81 07"
HUM 101 8270	2,189,161.64	5,982,317.90	9.63	ALCAR STAMPED "HUM 101 82 70"
HUM 101 8294	2,189,951.44	5,983,518.51	9.68	ALCAR STAMPED "HUM 101 82 94"
HUM 101 8342	2,191,762.69	5,985,043.62	19.00	ALCAR STAMPED "HUM 101"

BENCHMARK USED BY THIS SURVEY, NOT SET BY CALTRANS:

POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
941 8802 B TIDAL	2,184,420.73	5,968,258.39	12.61	BRASS DISK STAMPED "8802 B 1978"



- GENERAL NOTES**
- CONTRACTOR MUST COMPLY WITH BUSINESS AND PROFESSIONS CODE 8771 (b) REGARDING REFERENCING, PRESERVING AND RECONSTRUCTING SURVEY MONUMENTS, WHETHER OR NOT SURVEY MONUMENTS ARE SHOWN IN THESE PLANS.
 - IF SURVEY MONUMENT IS DAMAGED BY CONTRACTORS OPERATIONS, CONTRACTOR SHALL REPLACE SURVEY MONUMENT AT CONTRACTORS EXPENSE.
 - AERIAL IMAGERY: NOAA, 2019.

- STAGING & STOCKPILE NOTES:**
- STOCKPILE SHALL HAVE FIBER ROLL, HAY BALES, SILT FENCE, OR OTHER APPROVED LINEAR BARRIER AROUND STOCKPILE.
 - STOCKPILE SHALL BE COVERED WITH PLASTIC WHEN NOT IN USE AND BE WEIGHTED DOWN WITH SANDBAGS OR EQUIVALENT (AS PER STANDARD PLAN T53).
 - IF TEMPORARY CULVERTS ARE INSTALLED IN THE DITCH LINE - DITCH LINE SHALL BE RESTORED THE FOLLOWING WORK.
 - ALTERNATE STAGING/STOCKPILE LOCATIONS MAY BE ALLOWED IN ACCORDANCE WITH PERMIT AND FUNDING REQUIREMENTS, SUBJECT TO WRITTEN APPROVAL BY HCDPW.

- UNDERGROUND UTILITY NOTES**
- UNDERGROUND UTILITIES ARE SHOWN BASED ON A COMBINATION OF VISIBLE PHYSICAL EVIDENCE, AND RECORDS MADE AVAILABLE TO THE SURVEYOR AND UTILITY MAPPING PROVIDED BY PG&E AND AT&T.
 - THERE ARE NO GUARANTEES THAT THE UNDERGROUND UTILITIES SHOWN COMPRISE ALL SUCH UTILITIES IN THE AREA, EITHER IN SERVICE OR ABANDONED, AND THAT THE UNDERGROUND UTILITIES ARE IN THE EXACT LOCATIONS INDICATED. THE UNDERGROUND UTILITIES HAVE NOT BEEN PHYSICALLY LOCATED.
 - CALL UNDERGROUND SERVICE ALERT (USA) 1-800-642-2444 A MINIMUM OF TWO BUSINESS DAYS PRIOR TO ANY EXCAVATIONS.
 - ALL EXCAVATIONS WITHIN 5-FEET OF USA MARKINGS SHALL BE VACUUM EXCAVATED.

LEGEND

- TEMPORARY CONTROL POINT
- SURVEY MONUMENT
- POTENTIAL STAGING/STOCKPILE AREAS

No.	Issue	Drawn	Approved	Date



Bar is one inch on original size sheet
0 1"

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Project Manager	J. WOLF	Date	12/23/2022
This document shall not be used for construction unless signed and sealed for construction.		Scale	AS SHOWN

Client **COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS**
Project **HUMBOLDT BAY TRAIL SOUTH**
Title **SURVEY CONTROL AND STAGING LOCATIONS**

GHD Project No. **11110166 & 11218356**
Original Size **ANSI D**
Sheet No. **G-004**

Sheet **4** of **108**

"S" ALIGNMENT: LINE AND CURVE TABLE							
TAG		STATION	NORTHING	EASTING	BEARING	LENGTH	RADIUS
L1	BEGIN END	"S" 0+79.00 "S" 0+87.03	2184451.54 2184459.56	5968244.73 5968244.99	N01°51'05"E	8.02	
C1	BC EC	"S" 0+87.03 "S" 1+10.64	2184459.56 2184474.07	5968244.99 5968260.52	N46°56'58"E	23.613	15.00
L2	BEGIN END	"S" 1+10.64 "S" 1+68.25	2184474.07 2184472.01	5968260.52 5968318.10	S87°57'09"E	57.61	
L3	BEGIN END	"S" 1+68.25 "S" 3+80.08	2184472.01 2184464.35	5968318.10 5968529.78	S87°55'41"E	211.82	
C2	BC EC	"S" 3+80.08 "S" 3+87.66	2184464.35 2184464.08	5968529.78 5968537.35	S87°58'17"E	7.579	5000.00
L4	BEGIN END	"S" 3+87.66 "S" 7+26.84	2184464.08 2184452.33	5968537.35 5968876.34	S88°00'53"E	339.19	
C3	BC EC	"S" 7+26.84 "S" 9+42.96	2184452.33 2184438.45	5968876.34 5969091.94	S85°38'26"E	149.984	1950.00
C4	BC EC	"S" 9+42.96 "S" 9+76.20	2184438.45 2184429.28	5969091.94 5969123.73	S73°54'59"E	33.234	100.00
C5	BC EC	"S" 9+76.20 "S" 10+06.23	2184429.28 2184420.53	5969123.73 5969152.34	S73°00'00"E	30.035	100.00
C6	BC EC	"S" 10+06.23 "S" 11+73.34	2184420.53 2184389.05	5969152.34 5969316.40	S79°08'12"E	167.107	1940.00
L5	BEGIN END	"S" 11+73.34 "S" 12+01.72	2184389.05 2184382.50	5969316.40 5969344.02	S76°40'09"E	28.38	
C7	BC EC	"S" 12+01.72 "S" 12+59.06	2184382.50 2184368.96	5969344.02 5969399.73	S76°20'24"E	57.338	4990.00
L6	BEGIN END	"S" 12+59.06 "S" 16+40.63	2184368.96 2184276.72	5969399.73 5969769.99	S76°00'38"E	381.57	
C8	BC EC	"S" 16+40.63 "S" 16+52.14	2184276.72 2184273.95	5969769.99 5969781.16	S76°02'37"E	11.505	10010.00
L7	BEGIN END	"S" 16+52.14 "S" 27+50.00	2184273.95 2184009.77	5969781.16 5970846.76	S76°04'36"E	1097.86	
C9	BC EC	"S" 27+50.00 "S" 27+76.87	2184009.77 2183999.90	5970846.76 5970871.67	S68°22'40"E	26.873	100.00
C10	BC EC	"S" 27+76.87 "S" 28+03.71	2183999.90 2183990.04	5970871.67 5970896.55	S68°22'06"E	26.840	100.00
L8	BEGIN END	"S" 28+03.71 "S" 36+15.73	2183990.04 2183794.38	5970896.55 5971684.64	S76°03'26"E	812.02	
C11	BC EC	"S" 36+15.73 "S" 37+80.90	2183794.38 2183757.23	5971684.64 5971845.57	S77°00'13"E	165.170	5000.00
L9	BEGIN END	"S" 37+80.90 "S" 37+91.27	2183757.23 2183755.07	5971845.57 5971855.71	S77°57'00"E	10.36	
C12	BC EC	"S" 37+91.27 "S" 62+75.81	2183755.07 2184022.85	5971855.71 5974283.30	N83°42'20"E	2484.546	3880.00
L10	BEGIN END	"S" 62+75.81 "S" 62+85.85	2184022.85 2184027.03	5974283.30 5974292.42	N65°21'39"E	10.04	
C13	BC EC	"S" 62+85.85 "S" 68+20.13	2184027.03 2184283.06	5974292.42 5974760.86	N61°20'25"E	534.282	3807.00
L11	BEGIN END	"S" 68+20.13 "S" 68+29.81	2184283.06 2184288.29	5974760.86 5974769.01	N57°19'11"E	9.68	
C14	BC EC	"S" 68+29.81 "S" 68+72.92	2184288.29 2184311.13	5974769.01 5974805.57	N58°00'22"E	43.113	1800.00
C15	BC EC	"S" 68+72.92 "S" 69+26.90	2184311.13 2184339.87	5974805.57 5974851.26	N57°49'59"E	53.981	1800.00
L12	BEGIN END	"S" 69+26.90 "S" 73+22.67	2184339.87 2184555.57	5974851.26 5975183.08	N56°58'26"E	395.77	
C16	BC EC	"S" 73+22.67 "S" 74+09.06	2184555.57 2184600.54	5975183.08 5975256.83	N58°37'26"E	86.390	1500.00
C17	BC EC	"S" 74+09.06 "S" 74+92.95	2184600.54 2184644.16	5975256.83 5975328.48	N58°40'18"E	83.890	1500.00
L13	BEGIN END	"S" 74+92.95 "S" 74+93.83	2184644.16 2184644.64	5975328.48 5975329.22	N57°04'10"E	0.88	

"M" ALIGNMENT: LINE AND CURVE TABLE							
TAG		STATION	NORTHING	EASTING	BEARING	LENGTH	RADIUS
C18	BC EC	"M" 74+93.82 "M" 75+19.00	2184644.64 2184665.95	5975329.22 5975340.52	N27°56'31"E	25.173	25.00
L14	BEGIN END	"M" 75+19.00 "M" 76+01.01	2184665.95 2184747.95	5975340.52 5975339.23	N00°54'15"W	82.01	
C19	BC EC	"M" 76+01.01 "M" 76+25.93	2184747.95 2184768.76	5975339.23 5975327.47	N29°28'06"W	24.927	25.00
C20	BC EC	"M" 76+25.93 "M" 77+06.05	2184768.76 2184812.53	5975327.47 5975260.37	N56°53'05"W	80.114	2000.00
C21	BC EC	"M" 77+06.05 "M" 79+60.28	2184812.53 2184983.24	5975260.37 5975073.12	N47°38'41"W	254.231	900.00
C22	BC EC	"M" 79+60.28 "M" 80+47.41	2184983.24 2185057.48	5975073.12 5975028.11	N31°13'57"W	87.125	300.00
C23	BC EC	"M" 80+47.41 "M" 81+30.99	2185057.48 2185138.24	5975028.11 5975007.91	N14°02'40"W	83.581	270.00
C24	BC EC	"M" 81+30.99 "M" 82+10.26	2185138.24 2185217.00	5975007.91 5975013.29	N03°54'30"E	79.278	250.00
C25	BC EC	"M" 82+10.26 "M" 82+38.95	2185217.00 2185243.65	5975013.29 5975023.63	N21°12'41"E	28.688	100.00
C26	BC EC	"M" 82+38.95 "M" 83+07.17	2185243.65 2185296.26	5975023.63 5975066.54	N39°12'05"E	68.219	200.00
C27	BC EC	"M" 83+07.17 "M" 84+05.26	2185296.26 2185356.29	5975066.54 5975144.05	N52°14'27"E	98.094	860.00
C28	BC EC	"M" 84+05.26 "M" 85+04.05	2185356.29 2185419.89	5975144.05 5975219.44	N49°50'54"E	98.790	500.00
C29	BC EC	"M" 85+04.05 "M" 87+20.16	2185419.89 2185589.86	5975219.44 5975352.21	N37°59'50"E	216.102	1000.00
C30	BC EC	"M" 87+20.16 "M" 88+69.87	2185589.86 2185714.02	5975352.21 5975435.81	N33°57'03"E	149.712	2000.00
C31	BC EC	"M" 88+69.87 "M" 89+55.14	2185714.02 2185778.76	5975435.81 5975491.17	N40°32'13"E	85.274	550.00
C32	BC EC	"M" 89+55.14 "M" 90+38.78	2185778.76 2185838.54	5975491.17 5975549.67	N44°22'46"E	83.639	4000.00
C33	BC EC	"M" 90+38.78 "M" 91+86.62	2185838.54 2185940.96	5975549.67 5975656.22	N46°08'00"E	147.836	1800.00
L15	BEGIN END	"M" 91+86.62 "M" 93+95.07	2185940.96 2186079.12	5975656.22 5975812.31	N48°29'11"E	208.45	
C34	BC EC	"M" 93+95.07 "M" 95+28.06	2186079.12 2186172.03	5975812.31 5975907.40	N45°39'51"E	132.994	1350.00
C35	BC EC	"M" 95+28.06 "M" 95+84.77	2186172.03 2186215.36	5975907.40 5975943.94	N40°08'03"E	56.708	600.00
C36	BC EC	"M" 95+84.77 "M" 96+27.57	2186215.36 2186248.72	5975943.94 5975970.75	N38°47'21"E	42.802	900.00
C37	BC EC	"M" 96+27.57 "M" 101+21.95	2186248.72 2186635.16	5975970.75 5976278.99	N38°34'40"E	494.378	9000.00
C38	BC EC	"M" 101+21.95 "M" 101+32.15	2186635.16 2186643.33	5976278.99 5976285.11	N36°49'17"E	10.204	1600.00
C39	BC EC	"M" 101+32.15 "M" 102+09.93	2186643.33 2186705.00	5976285.11 5976332.48	N37°31'48"E	77.772	2500.00
C40	BC EC	"M" 102+09.93 "M" 102+71.09	2186705.00 2186745.61	5976332.48 5976377.83	N48°09'19"E	61.161	180.00
C41	BC EC	"M" 102+71.09 "M" 104+06.92	2186745.61 2186820.39	5976377.83 5976491.20	N56°35'33"E	135.830	3000.00
C42	BC EC	"M" 104+06.92 "M" 104+18.71	2186820.39 2186826.96	5976491.20 5976500.99	N56°08'23"E	11.788	400.00
C43	BC EC	"M" 104+18.71 "M" 104+68.84	2186826.96 2186857.13	5976500.99 5976554.12	N64°54'26"E	10.945	100.00
C44	BC EC	"M" 104+68.84 "M" 105+58.14	2186857.13 2186881.60	5976554.12 5976628.40	N71°47'01"E	78.349	600.00
C45	BC EC	"M" 105+58.14 "M" 105+87.92	2186881.60 2186889.26	5976628.40 5976657.18	N75°05'53"E	29.783	2000.00
C46	BC EC	"M" 105+87.92 "M" 106+10.72	2186889.26 2186892.74	5976657.18 5976679.67	N81°12'15"E	22.804	100.00
C47	BC EC	"M" 106+10.72 "M" 108+06.26	2186892.74 2186879.26	5976679.67 5976874.35	S86°02'21"E	195.533	900.00
C48	BC EC	"M" 108+06.26 "M" 108+75.61	2186879.26 2186865.69	5976874.35 5976942.35	S78°42'41"E	69.348	1800.00
L16	BEGIN END	"M" 108+75.61 "M" 109+82.88	2186865.69 2186842.67	5976942.35 5977047.12	S77°36'27"E	107.27	
C49	BC EC	"M" 109+82.88 "M" 111+20.25	2186842.67 2186817.81	5977047.12 5977182.21	S79°34'31"E	137.377	2000.00
C50	BC EC	"M" 111+20.25 "M" 111+99.97	2186817.81 2186810.03	5977182.21 5977261.51	S84°23'52"E	79.715	800.00

"M" ALIGNMENT: LINE AND CURVE TABLE							
TAG		STATION	NORTHING	EASTING	BEARING	LENGTH	RADIUS
C51	BC EC	"M" 111+99.97 "M" 112+43.80	2186810.03 2186804.12	5977261.51 5977304.88	S82°13'49"E	43.827	250.00
C52	BC EC	"M" 112+43.80 "M" 112+97.60	2186804.12 2186794.57	5977304.88 5977357.81	S79°46'37"E	53.805	600.00
C53	BC EC	"M" 112+97.60 "M" 114+73.44	2186794.57 2186763.33	5977357.81 5977530.79	S79°45'46"E	175.835	1950.00
C54	BC EC	"M" 114+73.44 "M" 115+75.13	2186763.33 2186786.51	5977530.79 5977626.13	N76°20'05"E	101.698	110.00
C55	BC EC	"M" 115+75.13 "M" 116+65.53	2186786.51 2186811.63	5977626.13 5977710.34	N73°23'33"E	90.401	110.00
C56	BC EC	"M" 116+65.53 "M" 118+45.70	2186811.63 2186800.65	5977710.34 5977890.07	S86°30'18"E	180.170	1500.00
C57	BC EC	"M" 118+45.70 "M" 118+75.92	2186800.65 2186805.15	5977890.07 5977919.82	N81°23'57"E	30.211	100.00
C58	BC EC	"M" 118+75.92 "M" 120+55.25	2186805.15 2186879.58	5977919.82 5978082.44	N65°24'19"E	179.330	700.00
C59	BC EC	"M" 120+55.25 "M" 121+88.84	2186879.58 2186969.92	5978082.44 5978179.76	N47°07'53"E	133.590	350.00
C60	BC EC	"M" 121+88.84 "M" 124+28.43	2186969.92 2187159.80	5978179.76 5978325.83	N37°34'11"E	239.593	5000.00
C61	BC EC	"M" 124+28.43 "M" 125+51.51	2187159.80 2187226.54	5978325.83 5978426.94	N56°34'23"E	123.084	200.00
C62	BC EC	"M" 125+51.51 "M" 126+17.89	2187226.54 2187246.37	5978426.94 5978490.27	N72°37'09"E	66.373	1200.00
C63	BC EC	"M" 126+17.89 "M" 126+95.13	2187246.37 2187230.30	5978490.27 5978561.88	S77°21'08"E	77.245	70.00
C64	BC EC	"M" 126+95.13 "M" 127+43.84	2187230.30 2187195.88				

TRAFFIC STRIPE QUANTITIES									
LOCATION (STA)		DESCRIPTION	SOLID/BROKEN	DETAIL LENGTH	THERMOPLASTIC TRAFFIC STRIPE (ENHANCED WET NIGHT VISIBILITY)				REMARKS
FROM	TO				4" WHITE	4" YELLOW	6" WHITE	6" YELLOW	
"EWT" 208-69	"EWT" 209-22	CENTERLINE	SOLID	53		53			TRAIL CENTERLINE
"S" 0-92	"S" 1+02	RT EDGELINE	SOLID	16	16				TRAIL EDGELINE
"S" 0-99	"S" 9+69	LT EDGELINE	SOLID	873		873			TRAIL EDGELINE
"S" 0-99	"S" 9+69	LT EDGELINE	SOLID	867		867			TRAIL EDGELINE
"S" 1+01	"S" 1+51	MEDIAN	SOLID	40		40			TRAIL GORE STRIPING
"S" 9+06	"S" 9+69	MEDIAN	SOLID	47		47			TRAIL GORE STRIPING
"S" 9+62	"S" 9+92	RT EDGELINE	SOLID	30	30				TRAIL EDGELINE
"S" 9+69	"S" 9+80	CENTERLINE	SOLID	11		11			TRAIL CENTERLINE
"S" 9+90	"S" 10+03	CENTERLINE	SOLID	13		13			TRAIL CENTERLINE
"S" 10+04	"S" 10+43	CENTERLINE	SOLID	39		39			TRAIL CENTERLINE
"S" 10+63	"S" 11+06	CENTERLINE	SOLID	43		43			TRAIL CENTERLINE
"S" 11+06	"S" 27-25	CENTERLINE	BROKEN	1619		1619			TRAIL CENTERLINE
"S" 27+25	"S" 28+29	CENTERLINE	SOLID	104		104			TRAIL CENTERLINE
"S" 28+29	"S" 73-93	CENTERLINE	BROKEN	4564		4564			TRAIL CENTERLINE
"S" 73-93	"S" 74+49	CENTERLINE	SOLID	56		56			TRAIL CENTERLINE
"S" 74+69	"S" 74+94	CENTERLINE	SOLID	25		25			TRAIL CENTERLINE
"M" 74-94	"M" 75+11	CENTERLINE	SOLID	17		17			TRAIL CENTERLINE
"M" 74+97	"M" 75+10	RT EDGELINE	SOLID	11	11				TRAIL EDGELINE
"M" 74+97	"M" 75+12	RT EDGELINE	SOLID	18	18				TRAIL EDGELINE
"M" 75+16	"M" 75+42	CENTERLINE	SOLID	26		26			TRAIL CENTERLINE
"M" 75+16	"M" 75+42	RT EDGELINE	SOLID	23	23				TRAIL EDGELINE
"M" 75+17	"M" 75+40	RT EDGELINE	SOLID	23	23				TRAIL EDGELINE
"M" 75+48	"M" 76+26	CENTERLINE	SOLID	78		78			TRAIL CENTERLINE
"M" 76+01	"M" 76+27	RT EDGELINE	SOLID	22	22				TRAIL EDGELINE
"M" 76+01	"M" 129+99	RT EDGELINE	SOLID	5390	5390				TRAIL EDGELINE
"M" 75+48	"M" 77-26	CENTERLINE	SOLID	82		82			TRAIL CENTERLINE
"M" 77+26	"M" 129+74	CENTERLINE	BROKEN	5248		5248			TRAIL CENTERLINE
"M" 111-20	"M" 112+85	RT EDGELINE	SOLID	165	165				TRAIL EDGELINE
"M" 129+74	"M" 132+28	CENTERLINE	SOLID	254		254			TRAIL CENTERLINE
"M" 131-80	"M" 132+28	RT EDGELINE	SOLID	54	54				TRAIL EDGELINE
"M" 131+86	"M" 132+28	RT EDGELINE	SOLID	37	37				TRAIL EDGELINE
"N" 132+42	"N" 133+43	CENTERLINE	SOLID	100		100			TRAIL CENTERLINE
"N" 133+43	"N" 156+00	CENTERLINE	BROKEN	2257		2257			TRAIL CENTERLINE
"N" 156+00	"N" 158+25	CENTERLINE	SOLID	225		225			TRAIL CENTERLINE
"N" 158+25	"N" 199+50	CENTERLINE	BROKEN	4125		4125			TRAIL CENTERLINE
"N" 199+50	"N" 201+00	CENTERLINE	SOLID	150		150			TRAIL CENTERLINE
"N" 201+00	"N" 207+03	CENTERLINE	BROKEN	603		603			TRAIL CENTERLINE
"N" 207+03	"N" 207+27	CENTERLINE	SOLID	25		25			TRAIL CENTERLINE
"N" 207+27	"N" 207+43	MEDIAN	SOLID	48		48			TRAIL GORE STRIPING
"N" 207+43	"N" 207+48	CENTERLINE	SOLID	5		5			TRAIL CENTERLINE
"N" 207+49	"N" 207+63	CENTERLINE	SOLID	14		14			TRAIL CENTERLINE
"N" 207+64	"N" 207+74	CENTERLINE	SOLID	10		10			TRAIL CENTERLINE
"N" 207+90	"N" 207+90	RT EDGELINE	SOLID	56		56			DETAIL 27B - BRACUT EXIT EDGELINE
"N" 208+03	"N" 208+03	CENTERLINE	SOLID	56		56			DETAIL 22 - BRACUT INTERSECTION CL LEFT OF TRAIL
"N" 208+03	"N" 208+03	CENTERLINE	SOLID	30		30			DETAIL 22 - BRACUT INTERSECTION CL RIGHT OF TRAIL
"N" 208+16	"N" 208+16	RT EDGELINE	SOLID	56		56			DETAIL 27B - BRACUT ENTRANCE EDGELINE
"N" 208+28	"N" 208+41	CENTERLINE	SOLID	13		13			TRAIL CENTERLINE
"N" 208+42	"N" 208+56	CENTERLINE	SOLID	14		14			TRAIL CENTERLINE
"N" 208+57	"N" 208+63	CENTERLINE	SOLID	6		6			TRAIL CENTERLINE
"N" 208+63	"N" 208+78	MEDIAN	SOLID	48		48			TRAIL GORE STRIPING
"N" 208+78	"N" 209+03	CENTERLINE	SOLID	25		25			TRAIL CENTERLINE
"N" 209+03	"N" 220+71	CENTERLINE	BROKEN	1168		1168			TRAIL CENTERLINE
"N" 220+71	"N" 224+41	CENTERLINE	SOLID	370		370			TRAIL CENTERLINE
"HBTN" 225+15	"HBTN" 225+37	CENTERLINE	SOLID	22		22			TRAIL CENTERLINE
TOTAL				29274	5789	23287	112	86	

NOTE: 4" BROKEN TRAIL CENTERLINE STRIPE SHALL BE 3-FOOT LONG YELLOW STRIPES WITH 9-FOOT LONG GAPS IN ACCORDANCE TO THE CAMUTCD.

THERMOPLASTIC PAVEMENT MARKING (ENHANCED WET NIGHT VISIBILITY)						
LOCATION (STA)	LT/RT Orientation	TYPE / LEGEND	AREA SQFT	CTSP DETAIL	REMARKS	
"S" 0+89	RT/LT	LIMIT LINE	22	RSP A24E	INTERSECTION OF EUREKA WATERFRONT TRAIL	
"S" 0+94	RT	RR CROSSING SYMBOL *	35	A24B	INTERSECTION OF EUREKA WATERFRONT TRAIL	
"S" 1+26	RT	BIKE LANE ARROW	3.5	A24A	EUREKA SLOUGH BRIDGE APPROACH	
"S" 1+26	LT	BIKE LANE ARROW	3.5	A24A	EUREKA SLOUGH BRIDGE APPROACH	
"S" 3+23	RT	BIKE LANE ARROW	3.5	A24A	EUREKA SLOUGH BRIDGE CROSSING	
"S" 3+23	LT	BIKE LANE ARROW	3.5	A24A	EUREKA SLOUGH BRIDGE CROSSING	
"S" 5+23	RT	BIKE LANE ARROW	3.5	A24A	EUREKA SLOUGH BRIDGE CROSSING	
"S" 5+23	LT	BIKE LANE ARROW	3.5	A24A	EUREKA SLOUGH BRIDGE CROSSING	
"S" 7+23	RT	BIKE LANE ARROW	3.5	A24A	EUREKA SLOUGH BRIDGE CROSSING	
"S" 7+23	LT	BIKE LANE ARROW	3.5	A24A	EUREKA SLOUGH BRIDGE CROSSING	
"S" 9+42	RT	BIKE LANE ARROW	3.5	A24A	EUREKA SLOUGH BRIDGE APPROACH	
"S" 9+42	LT	BIKE LANE ARROW	3.5	A24A	EUREKA SLOUGH BRIDGE APPROACH	
"S" 10+04	RT/LT	LIMIT LINE	10	RSP A24E	RR CROSSING APPROACH	
"S" 10+53	CENTERLINE	RR CROSSING SYMBOL	70	A24B	EUREKA SLOUGH BRIDGE APPROACH	
"S" 74+59	CENTERLINE	RR CROSSING SYMBOL	70	A24B	CRC SOUTH BRIDGE APPROACH	
"M" 75+11	RT/LT	LIMIT LINE	13	RSP A24E	RR CROSSING APPROACH	
"M" 75+48	RT/LT	LIMIT LINE	10	RSP A24E	RR CROSSING APPROACH	
"M" 76+35	CENTERLINE	RR CROSSING SYMBOL *	60	A24B	CRC SOUTH BRIDGE APPROACH	
"N" 207+49	RT/LT	LIMIT LINE	8	RSP A24E	BRACUT INTERSECTION APPROACH	
"N" 207+64	RT/LT	LIMIT LINE	8	RSP A24E	BRACUT INTERSECTION APPROACH	
"N" 207+75	RT/LT	<---LOOK---> STOP!	4	--	BRACUT INTERSECTION APPROACH	
"N" 207+76	RT/LT	LIMIT LINE	8	RSP A24E	BRACUT INTERSECTION APPROACH	
"N" 207+80	CENTERLINE	LADDER CROSSWALK	359	A24F	BRACUT INTERSECTION	
"N" 207+96	LT	LIMIT LINE	24	RSP A24E	BRACUT EXIT STOP BAR	
"N" 207+96	RT	STOP	22	A24D	BRACUT EXIT	
"N" 208+17	RT	LIMIT LINE	55	RSP A24E	BRACUT ENTRANCE	
"N" 208+26	RT/LT	LIMIT LINE	8	RSP A24E	BRACUT INTERSECTION APPROACH	
"N" 208+27	RT/LT	<---LOOK---> STOP!	4	--	BRACUT INTERSECTION APPROACH	
"N" 208+28 TO "N" 211+68	RT	OPTICAL SPEED BARS	57	--	US 101 DECELERATION LANE	
"N" 208+42	RT/LT	LIMIT LINE	8	RSP A24E	BRACUT INTERSECTION APPROACH	
"N" 208+57	RT/LT	LIMIT LINE	8	RSP A24E	BRACUT INTERSECTION APPROACH	
"N" 210+42	RT	AHEAD	31	A24D	US 101 DECELERATION LANE	
"N" 210+99	RT	XING	21	A24D	US 101 DECELERATION LANE	
"N" 211+56	RT	TRAIL	26	A24D	US 101 DECELERATION LANE	
TOTAL			976			

* ADJUST MARKING DIMENSIONS TO FIT AVAILABLE SPACE

SIGN RELOCATION SCHEDULE		
RELOCATE FROM (STA / OFFSET)	SIGN MESSAGE / DESCRIPTION	POST NUMBER & TYPE
"S" 61+49 / 15' RT	ONE WAY	(1) WOOD
"N" 192+22 / 2' LT	RR # (UNIDENTIFIED)	(1) WOOD
"N" 201+65 / 20' RT	EMERGENCY PARKING ONLY	(1) WOOD
"N" 207+65 / 7' RT	TURN ON HEADLIGHTS	(1) WOOD
"N" 207+68 / 10' RT	STOP	(1) METAL
"N" 208+37 / 3' RT	CROSS TRAFFIC DOES NOT STOP	(1) WOOD
"N" 208+66 / 10' RT	DO NOT ENTER & WRONG WAY	(1) WOOD

NOTE:

- RELOCATE SIGN HORIZONTALLY FROM EXISTING LOCATION. RELOCATE IN ACCORDANCE TO CALTRANS STANDARD PLAN RS1, AS NEEDED TO AVOID CONFLICTING WITH IMPROVEMENTS.

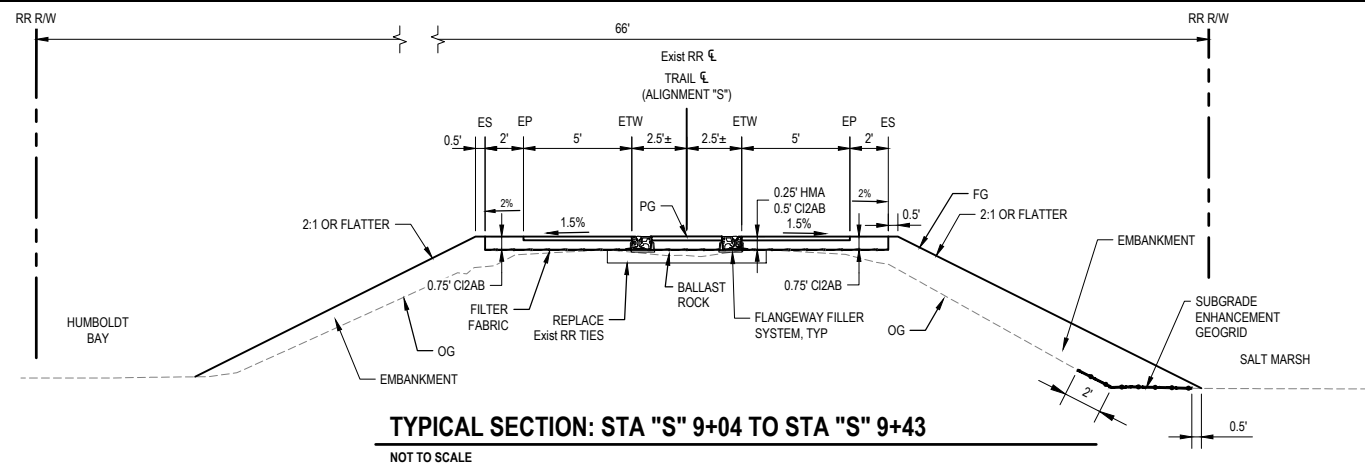
SIGN SCHEDULE					
LOCATION (STA)	OFFSET	SIGN CODE	SIGN MESSAGE / DESCRIPTION	PANEL SIZE (L" X H")	POST NUMBER, SIZE & TYPE
"EWT" 207+95	10' RT	W10-3L	GRADE CROSSING ON LEFT	24" x 24"	(1) 2" x 2" STEEL
"EWT" 209+31	10' RT	W10-3R	GRADE CROSSING ON RIGHT	24" x 24"	(1) 2" x 2" STEEL
"S" 0+89	13' RT	R15-1	GRADE CROSSING	24" x 4.5"	(1) 2" x 2" STEEL
"S" 1+10	15' LT	R1-2	YIELD	18" x 18"	(1) 2" x 2" STEEL
		R1-2	YIELD	18" x 18"	
"S" 10+03	10' RT	R15-1	GRADE CROSSING	24" x 4.5"	(1) 2" x 2" STEEL
		R1-2	YIELD	18" x 18"	
"S" 11+03	10' RT	W10-1	GRADE CROSSING ADVANCE WARNING	24" DIA.	(1) 2" x 2" STEEL
		W10-12	SKWEVED CROSSING	18" x 18"	
"S" 74+09	10' RT	W10-1	GRADE CROSSING ADVANCE WARNING	24" DIA.	(1) 2" x 2" STEEL
		W10-12	SKWEVED CROSSING	18" x 18"	
"M" 75+09	10' RT	R15-1	GRADE CROSSING	24" x 4.5"	(1) 2" x 2" STEEL
		R1-2	YIELD	18" x 18"	
"M" 75+40	10' LT	R15-1	GRADE CROSSING	24" x 4.5"	(1) 2" x 2" STEEL
		R1-2	YIELD	18" x 18"	
"M" 76+43	10' RT	W1-5	WINDING ROAD	18" x 18"	(1) 2" x 2" STEEL
		W7-3aP	NEXT 1 MILE	18" x 12"	
"M" 76+32	10' LT	W10-1	GRADE CROSSING ADVANCE WARNING	24" DIA.	(1) 2" x 2" STEEL
		W10-12	SKWEVED CROSSING	18" x 18"	
"M" 129+31	10' RT	W1-5	WINDING ROAD	18" x 18"	(1) 2" x 2" STEEL
		W7-3aP	NEXT 1 MILE	18" x 12"	
"N" 206+72	10' RT	W3-1	STOP AHEAD	24" x 24"	(1) 2" x 2" STEEL
"N" 207+45	10' LT	R5-3	NO MOTOR VEHICLES	24" x 24"	(1) 2" x 2" STEEL
		R1-1	STOP	18" x 18"	
"N" 207+73	10' RT	W4-4P	CROSS TRAFFIC DOES NOT STOP	24" x 24"	(1) 2" x 2" STEEL
		W11-15	BICYCLE & PEDESTRIAN	30" x 30" (DOUBLE SIDED)	
"N" 207+84	10' LT	W11-15P	TRAIL X-ING	24" x 18" (DOUBLE SIDED)	(1) 4" x 4" WOOD
		W16-7P	DIAGONAL ARROW	24" x 12" (DOUBLE SIDED)	
"N" 207+87	27' LT	R1-1	STOP	30" x 30"	(1) 4" x 4" WOOD
		R1-1	STOP	18" x 18"	
"N" 208+25	10' LT	W4-4P	CROSS TRAFFIC DOES NOT STOP	24" x 24"	(1) 2" x 2" STEEL
		W11-15	BICYCLE & PEDESTRIAN	36" x 36" (DOUBLE SIDED)	
"N" 208+30	10' RT	W11-15P	TRAIL X-ING	30" x 24" (DOUBLE SIDED)	(1) 4" x 4" WOOD
		W16-7P	DIAGONAL ARROW	24" x 12" (DOUBLE SIDED)	
"N" 208+35	15' RT	R1-5	YIELD HERE TO PEDS	36" x 36"	(1) 4" x 4" WOOD
"N" 208+41	103' RT	W11-15A	TRAIL CROSSING	36" x 36"	(1) 4" x 4" WOOD
		W16-9P	AHEAD	30" x 18"	
"N" 208+60	10' RT	R5-3	NO MOTOR VEHICLES	24" x 24"	(1) 2" x 2" STEEL
"N" 209+31	10' LT	W3-1	STOP AHEAD	24" x 24"	(1) 2" x 2" STEEL
"N" 208+41	103' RT	W11-15A	TRAIL CROSSING	36" x 36"	(1) 4" x 4" WOOD
		W16-9P	AHEAD	30" x 18"	

NOTES:

- RETROREFLECTIVE SHEETING SHALL BE TYPE XI, EXCEPT FOR WHITE BACKGROUND SIGNS WHERE THE SHEETING SHALL BE TYPE VIII OR IX.
- STEEL SIGN POST AND FOUNDATIONS PER DETAIL.

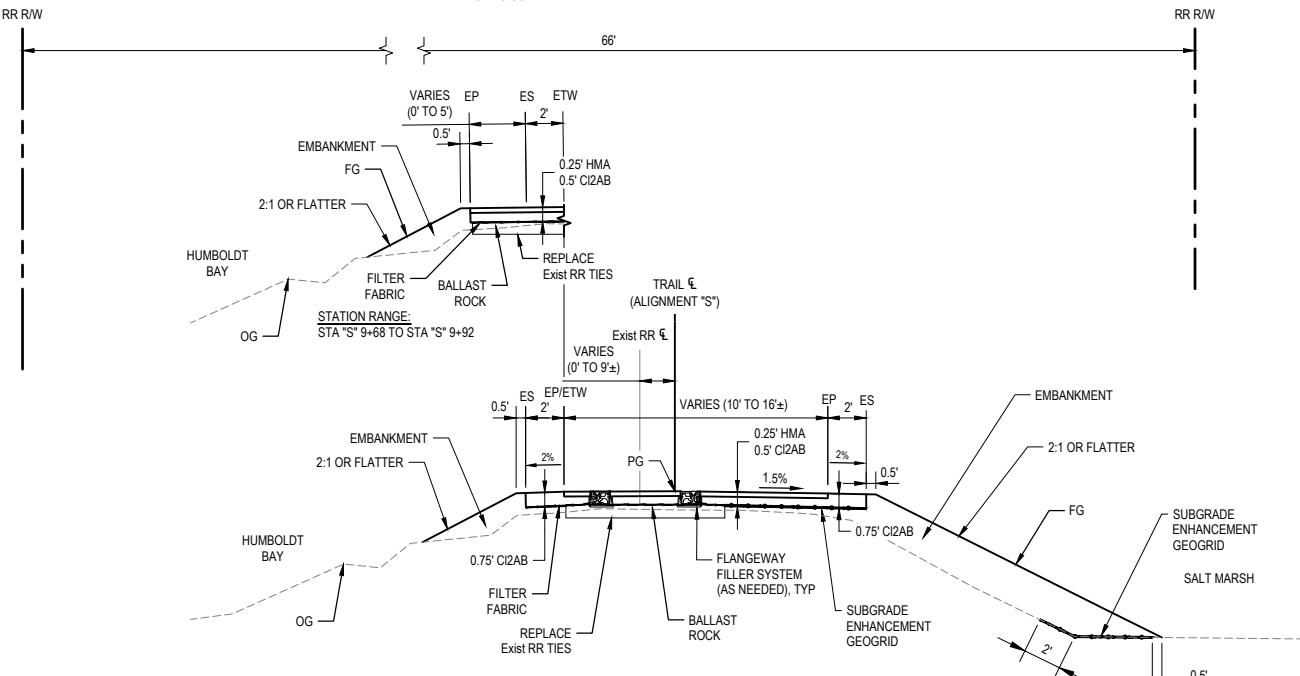
SIGN REMOVAL SCHEDULE	
REMOVE FROM (STA / OFFSET)	SIGN MESSAGE / DESCRIPTION
"S" 20+43 / 0.6' RT	POST ONLY, NO PANEL
"N" 224+27 / 0' RT	END TRAIL
"HBTN" 225+04 / 18' RT	YIELD
"HBTN" 225+22 / 18' RT	NO MOTOR VEHICLES
"HBTN" 225+23 / 8' RT	STOP

			
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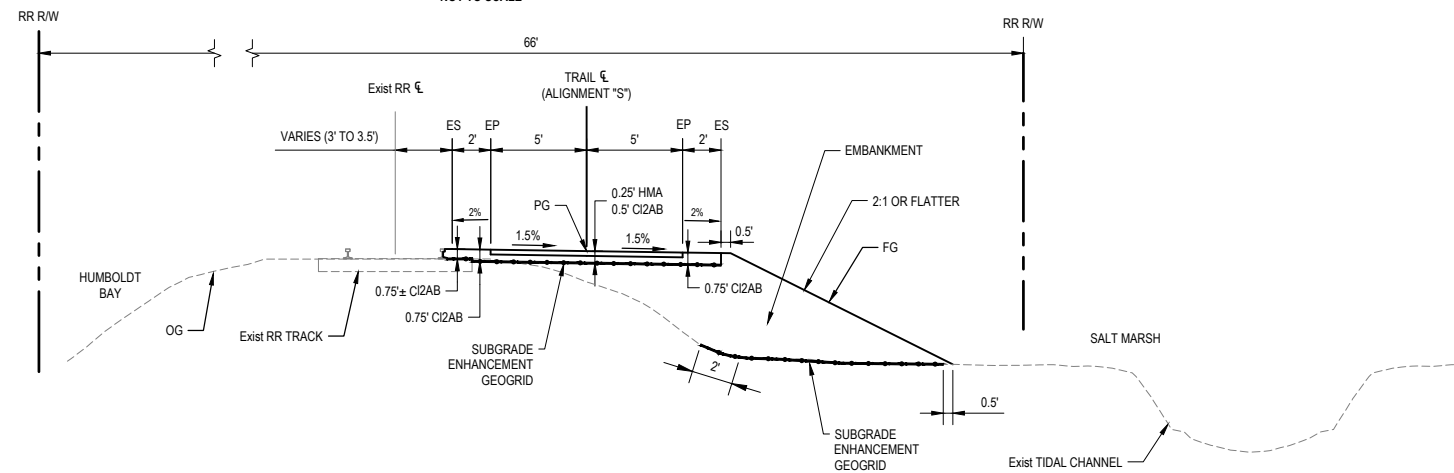
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NOT TO SCALE



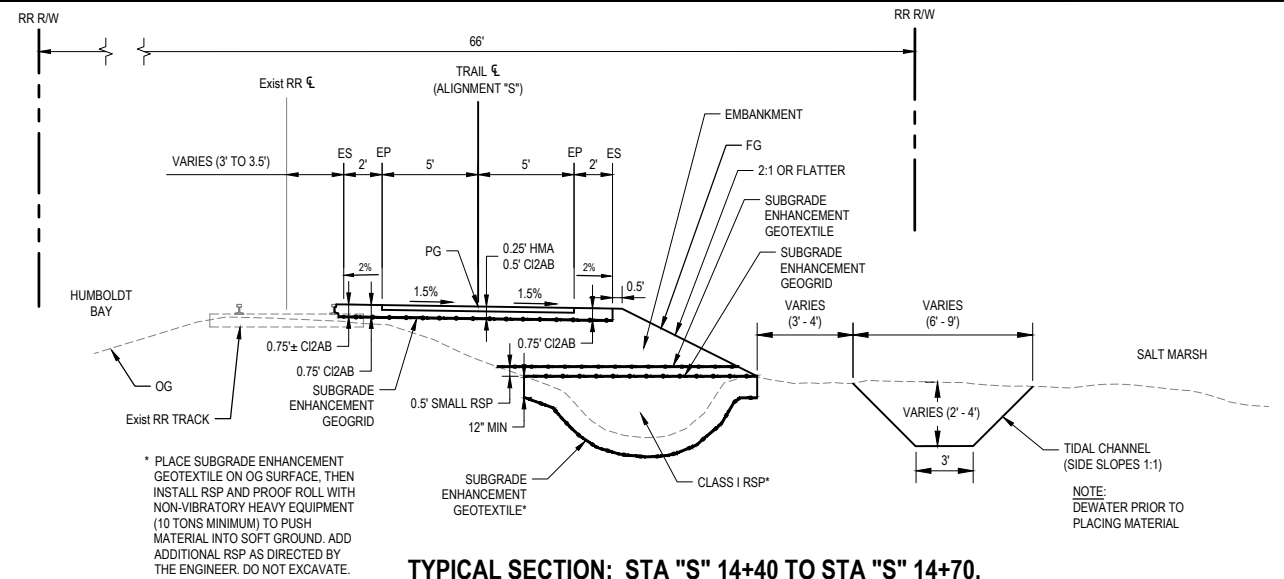
TRANSITION SECTION: STA "S" 9+43 TO STA "S" 9+92

NOT TO SCALE



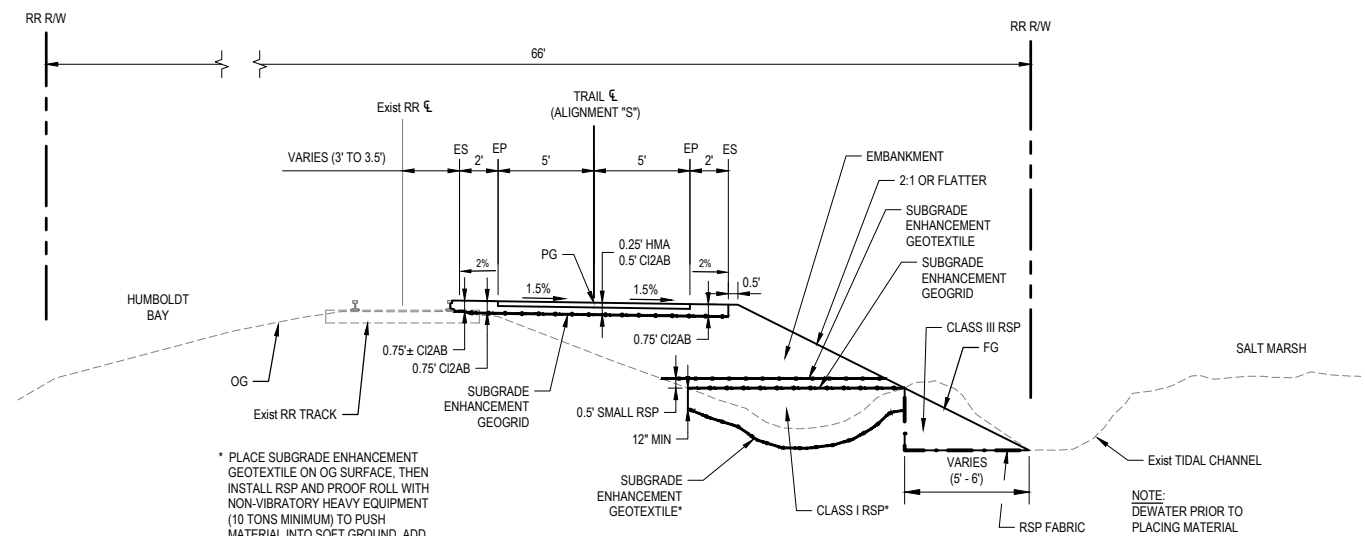
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NOT TO SCALE



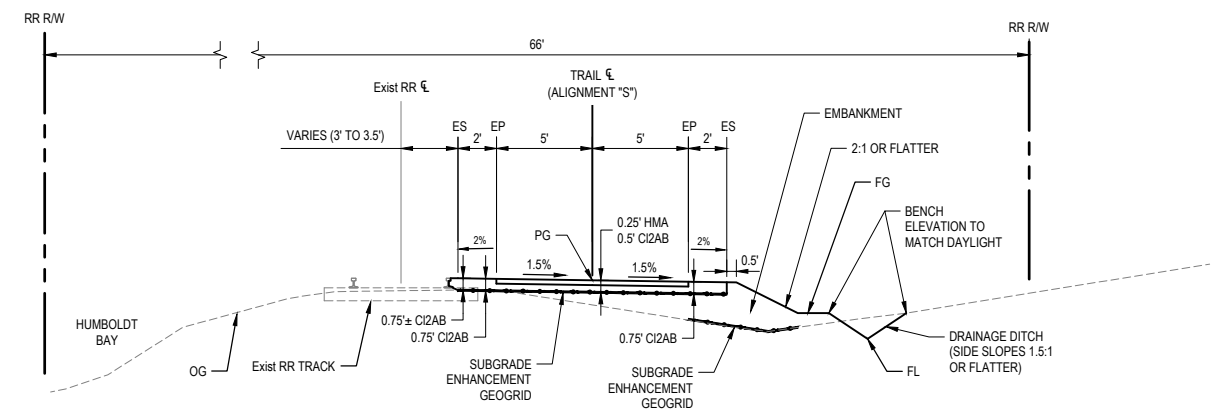
TYPICAL SECTION: STA "S" 14+40 TO STA "S" 14+70, STA "S" 15+25 TO STA "S" 15+86, STA "S" 16+15 TO STA "S" 23+04

NOT TO SCALE



TYPICAL SECTION: STA "S" 14+70 TO STA "S" 15+25 AND STA "S" 15+86 TO STA "S" 16+15

NOT TO SCALE



TYPICAL SECTION: STA "S" 23+04 TO STA "S" 27+50

NOT TO SCALE

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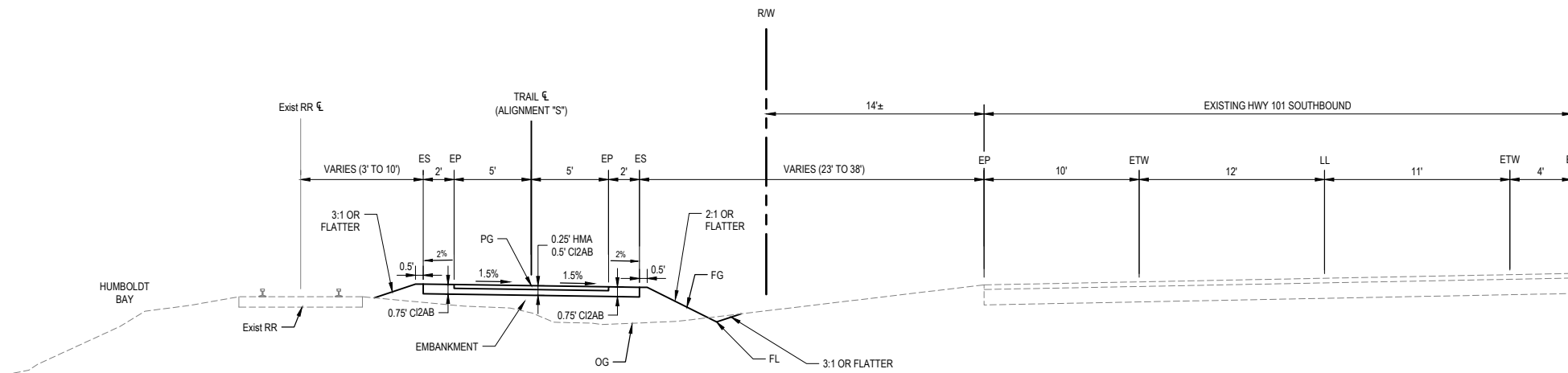
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Project Manager	J. WOLF	Date	12/23/2022
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Client	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
Project	HUMBOLDT BAY TRAIL SOUTH
Title	TYPICAL SECTIONS 2 OF 8
GHD Project No.	11110166 & 11218356
Original Size	ANSI D
Sheet No.	G-008
Sheet	8 of 108

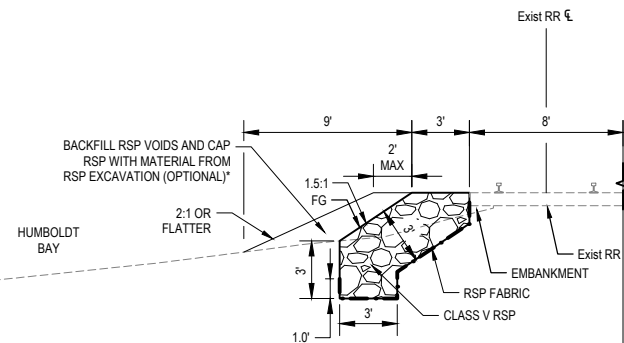


TYPICAL SECTION: STA "S" 27+50 TO STA "S" 28+05

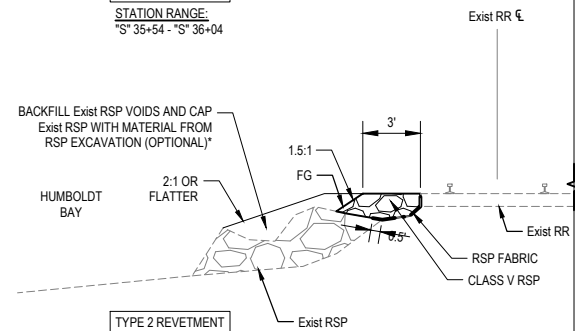
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 1. BACKFILL RSP VOIDS
 2. CAP RSP

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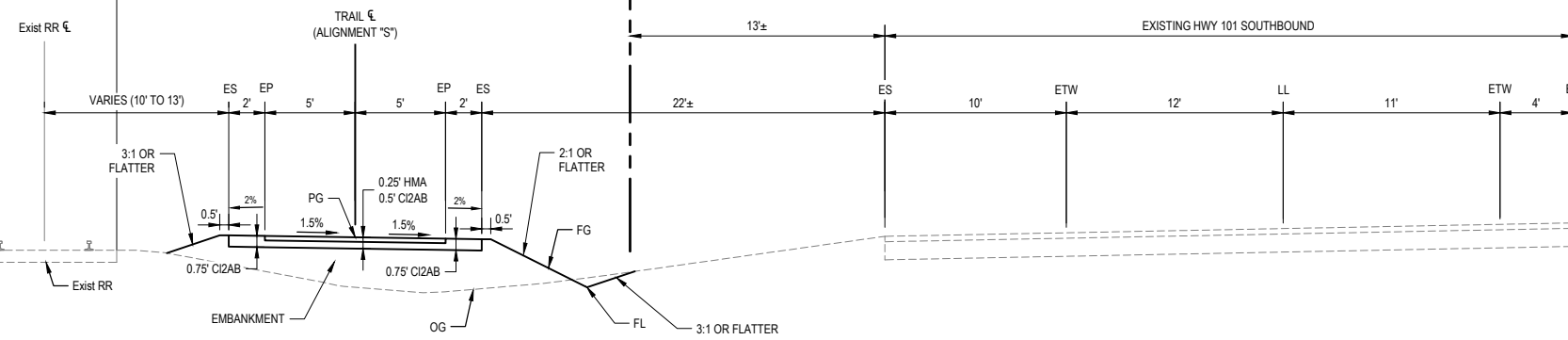
NOTE:
 RSP EXCAVATION AND BACKFILL ON BAY SIDE TO OCCUR WITHIN ONE TIDAL CYCLE



TYPE 4 REVETMENT
 STATION RANGE:
 "S" 35+54 - "S" 36+04



TYPE 2 REVETMENT
 STATION RANGE:
 STA "S" 34+79 TO STA "S" 35+54



TYPICAL SECTION: STA "S" 28+05 TO STA "S" 74+94

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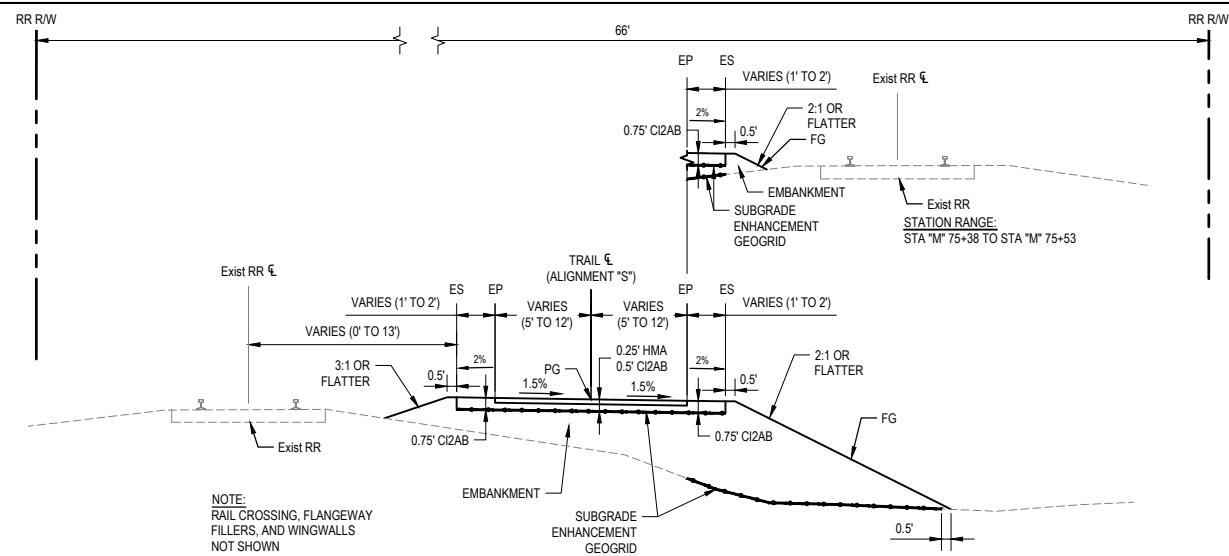
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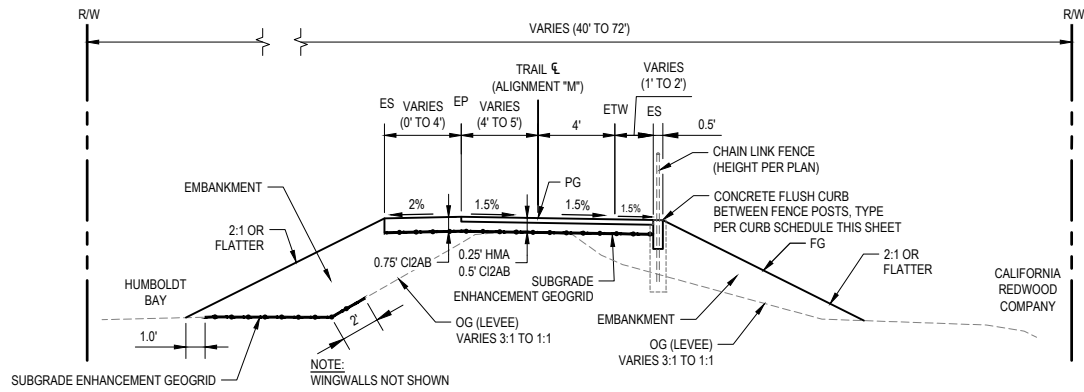
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Project Manager	J. WOLF	Date	12/23/2022
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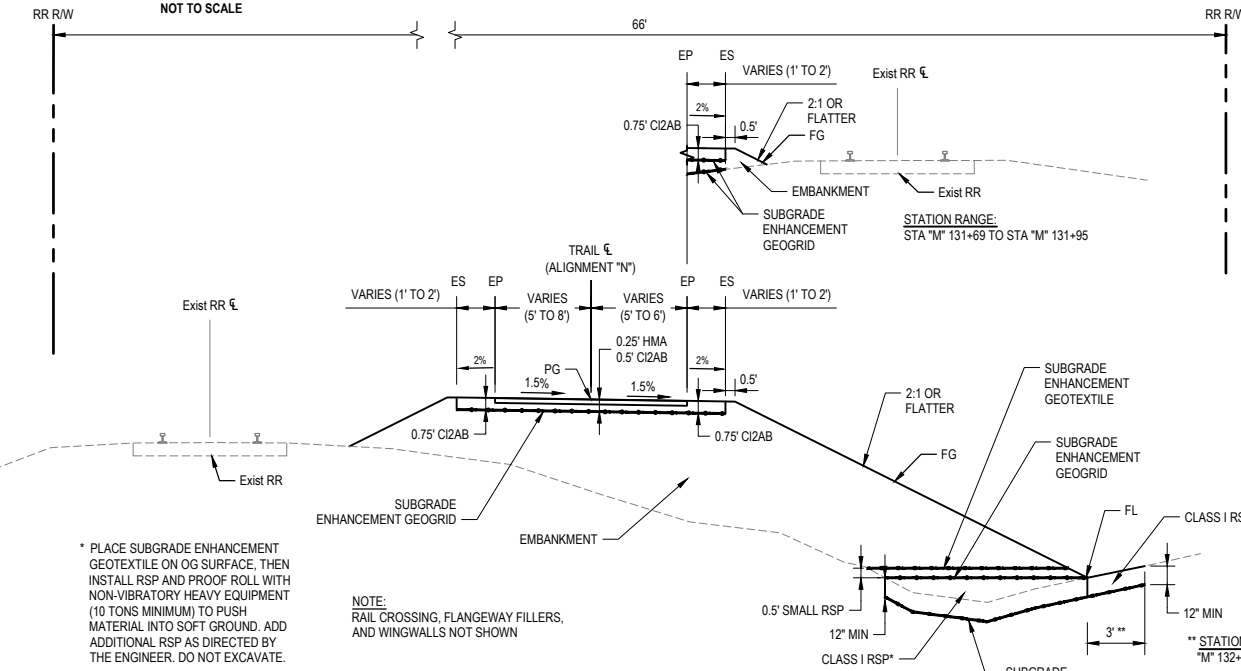
Client	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS		
Project	HUMBOLDT BAY TRAIL SOUTH		
Title	TYPICAL SECTIONS 3 OF 8		
GHD Project No.	11110166 & 11218356		
Original Size	ANSI D	Sheet No.	G-009
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		Sheet	9 of 108



TYPICAL SECTION: STA "M" 74+94 TO STA "M" 75+53
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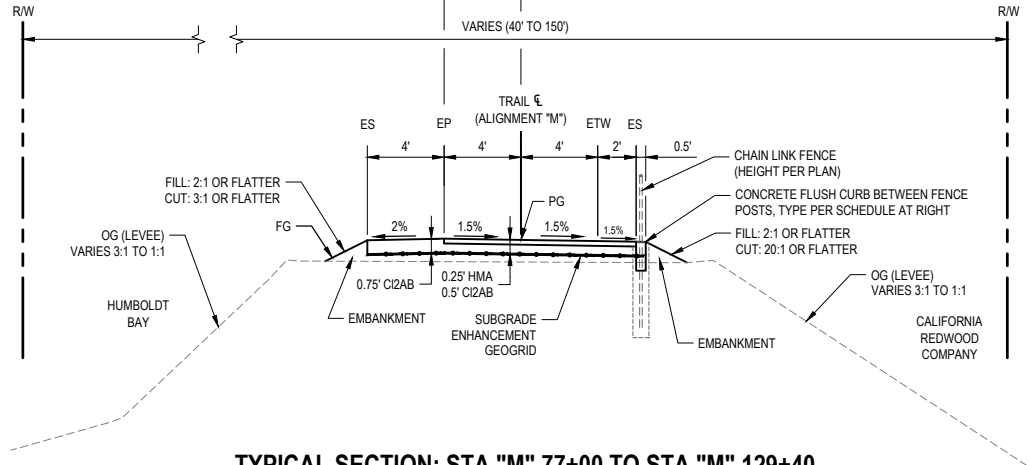
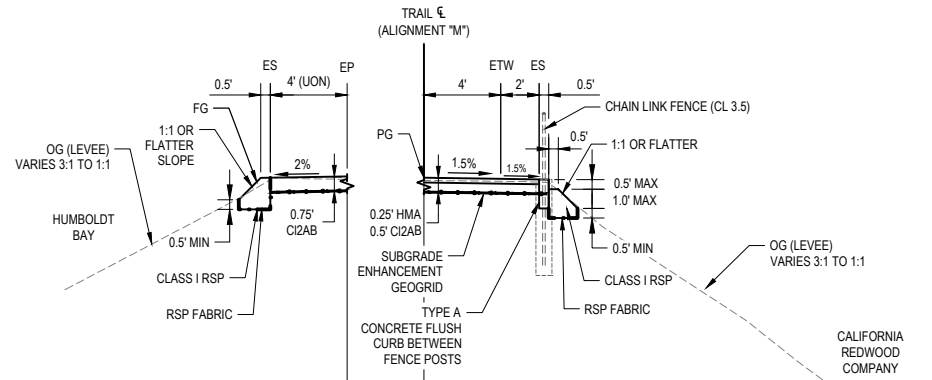
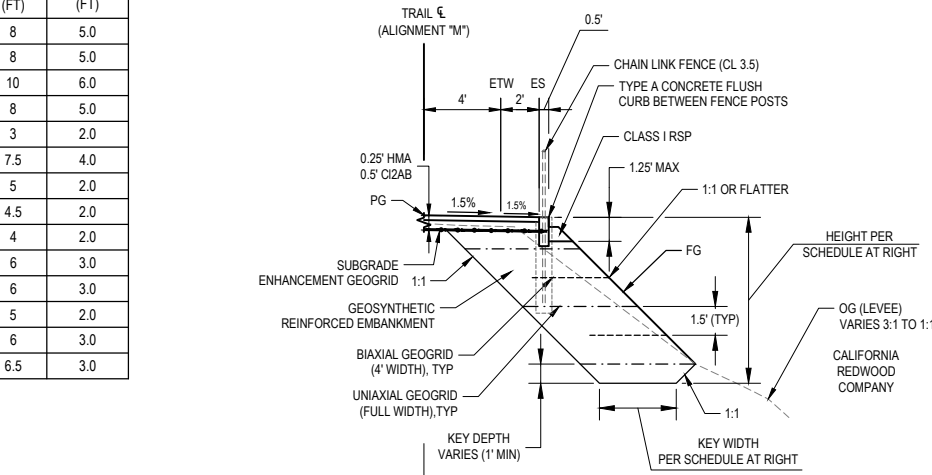
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NOT TO SCALE



TYPICAL SECTION: STA "M" 131+69 TO STA "M" 132+28
NOT TO SCALE

STATION RANGE	HEIGHT (FT)	KEY WIDTH (FT)
76+40 - 78+40	8	5.0
79+95 - 81+00	8	5.0
81+00 - 81+40	10	6.0
81+40 - 82+35	8	5.0
84+40 - 85+10	3	2.0
88+60 - 89+30	7.5	4.0
91+70 - 94+60	5	2.0
105+19 - 105+58	4.5	2.0
110+85 - 111+95	4	2.0
115+95 - 116+35	6	3.0
118+70 - 119+60	6	3.0
119+60 - 121+70	5	2.0
121+70 - 124+88	6	3.0
126+38 - 127+25	6.5	3.0

STATION RANGE
80+50 - 80+75
84+40 - 84+65
93+30 - 94+35
102+10 - 102+30
102+85 - 103+35
111+95 - 112+45
123+60 - 124+10



TYPICAL SECTION: STA "M" 77+00 TO STA "M" 129+40
NOT TO SCALE

STATION RANGE
78+40 - 79+95
82+35 - 84+40
85+10 - 85+35
86+20 - 87+05
94+60 - 94+95
100+90 - 101+50
103+15 - 104+00
105+58 - 105+85
117+35 - 118+70
125+70 - 126+38

CURB SCHEDULE	
STATION RANGE	CURB TYPE
76+12 - 76+27	B
76+27 - 85+45	A
85+45 - 86+10	B
86+10 - 89+50	A
89+50 - 91+50	B
91+50 - 95+10	A
95+10 - 100+30	B
100+30 - 101+85	A
101+85 - 103+00	B
103+00 - 105+95	A
105+95 - 110+85	B
110+85 - 114+25	A
114+25 - 115+90	B
115+90 - 116+35	A
116+35 - 117+25	B
117+25 - 124+95	A
124+95 - 125+70	B
125+70 - 127+30	A
127+30 - 129+90	B

No.	Issue	Drawn	Approved	Date



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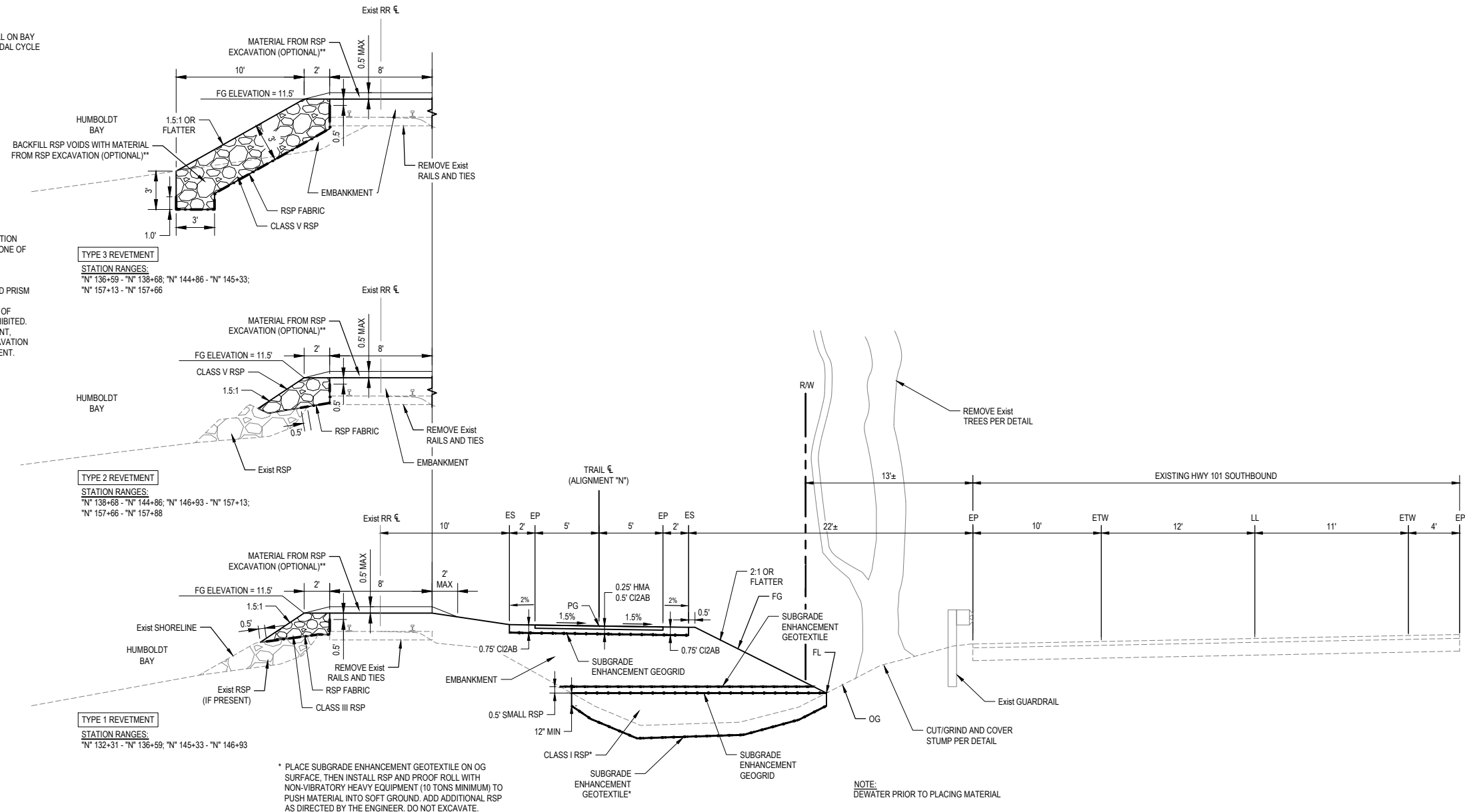
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Drafting Check	C. PENNY	Design Check	J. WOLF
Project Manager	J. WOLF	Date	12/23/2022
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Client	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS		
Project	HUMBOLDT BAY TRAIL SOUTH		
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GHD Project No.	11110166 & 11218356		
Original Size	ANSI D		
Sheet No.	G-010		
Sheet	10 of 108		

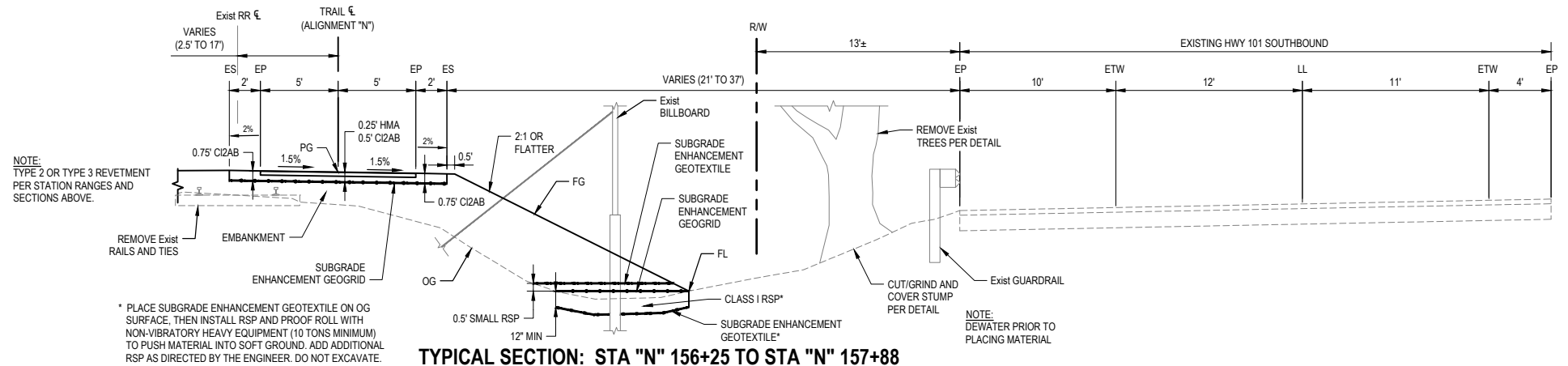
NOTE:
RSP EXCAVATION AND BACKFILL ON BAY
SIDE TO OCCUR WITHIN ONE TIDAL CYCLE

** ALL MATERIAL FROM RSP EXCAVATION
SHALL BE REUSED ONSITE USING ONE OF
THE FOLLOWING OPTIONS:
1. EMBANKMENT
2. BACKFILL RSP VOIDS
3. PLACED ON TOP OF RAILROAD PRISM

THE TRANSPORT AND/OR OFF-HAUL OF
EXCAVATED SOIL MATERIAL IS PROHIBITED,
EXCEPT WHEN USED AS EMBANKMENT.
PLACING MATERIAL FROM RSP EXCAVATION
WILL NOT BE MEASURED FOR PAYMENT.



TYPICAL SECTION: STA "N" 132+43 TO STA "N" 156+25 NOTE: EQ STATION "N" 132+28 = "N" 132+43



TYPICAL SECTION: STA "N" 156+25 TO STA "N" 157+88

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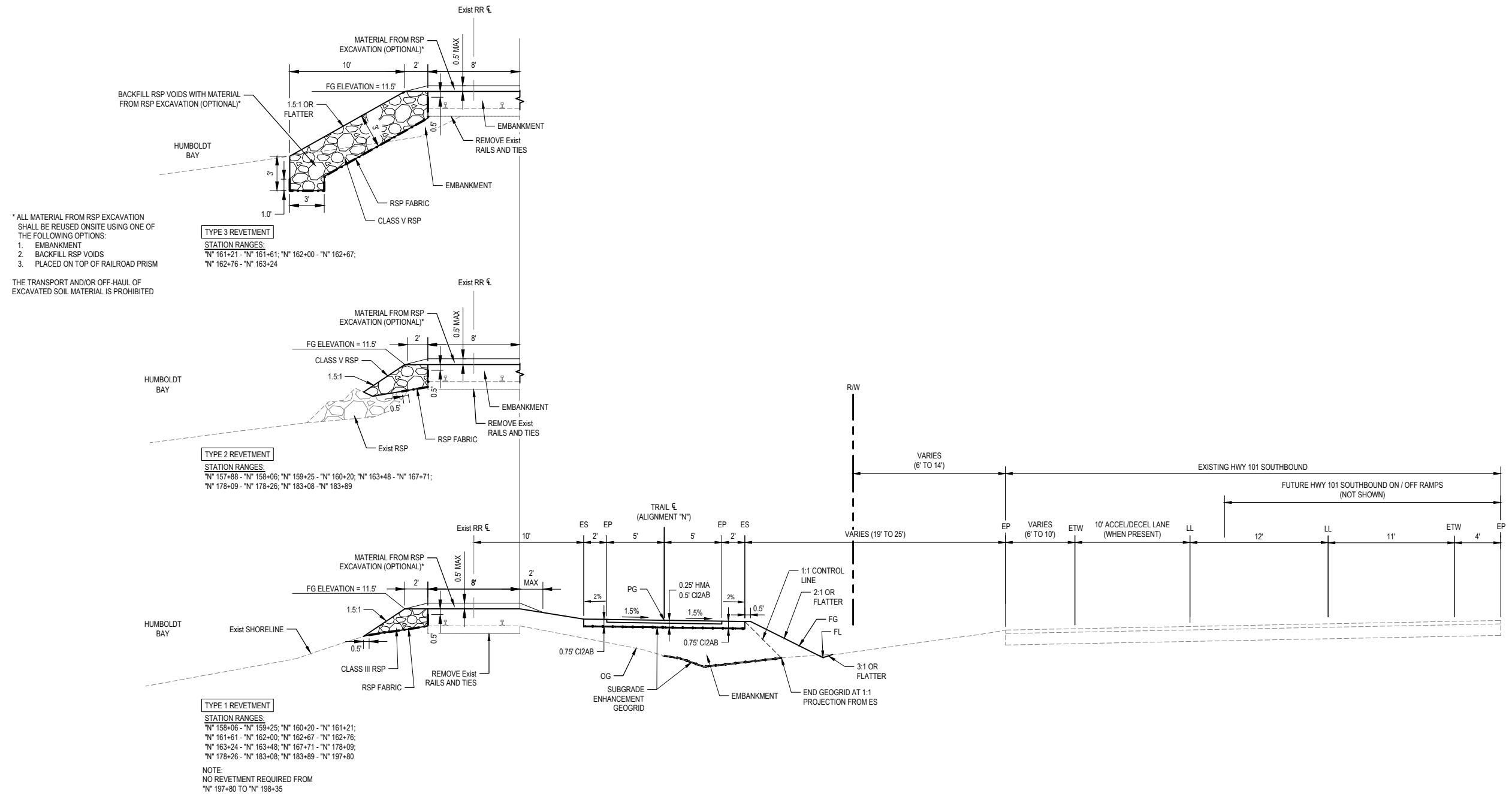


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Project	HUMBOLDT BAY TRAIL SOUTH		
Title	TYPICAL SECTIONS 5 OF 8		
GHD Project No.	11110166 & 11218356		
Original Size	ANSI D	Sheet No.	G-011
Sheet	11	of	108

NOTE:
RSP EXCAVATION AND BACKFILL ON BAY
SIDE TO OCCUR WITHIN ONE TIDAL CYCLE



No.	Issue	Drawn	Approved	Date



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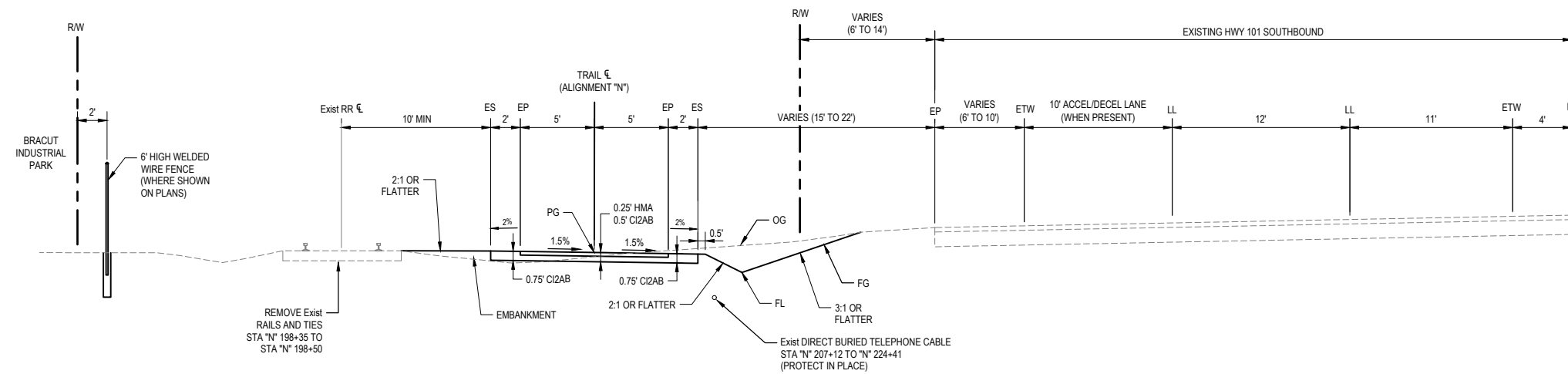
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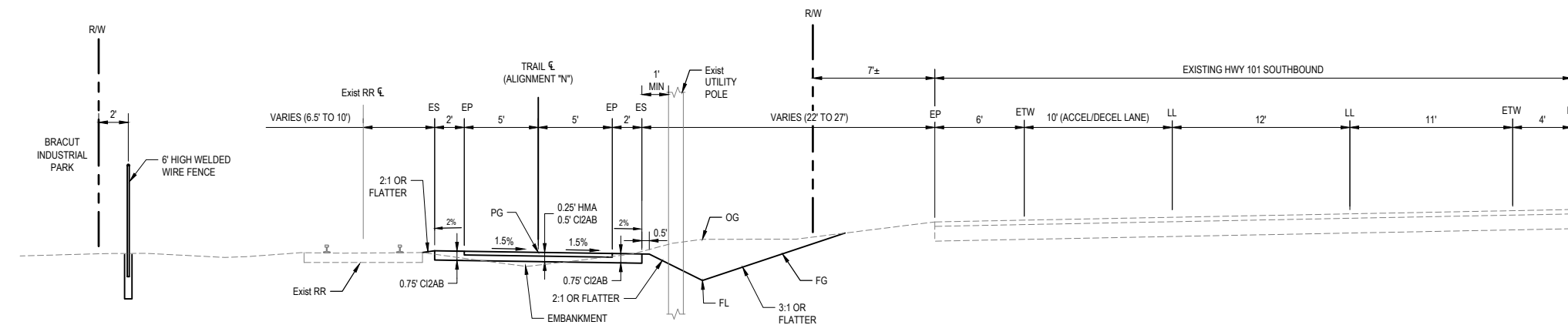
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		Original Size	ANSI D
		Sheet No.	G-012
		Date	12/23/2022
		Designer	C. PENNY
		Design Check	J. WOLF
		Project Manager	J. WOLF
		Drawn	O. GOODE
		Drafting Check	C. PENNY
		Project Manager	J. WOLF
		Date	12/23/2022
		Scale	AS SHOWN



**TYPICAL SECTION: STA "N" 198+35 TO STA "N" 199+95;
STA "N" 200+75 TO STA "N" 207+26; STA "N" 208+80 TO STA "N" 217+00**
NOT TO SCALE



TYPICAL SECTION: STA "N" 199+95 TO STA "N" 200+75
NOT TO SCALE

No.	Issue	Drawn	Approved	Date



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0 1"

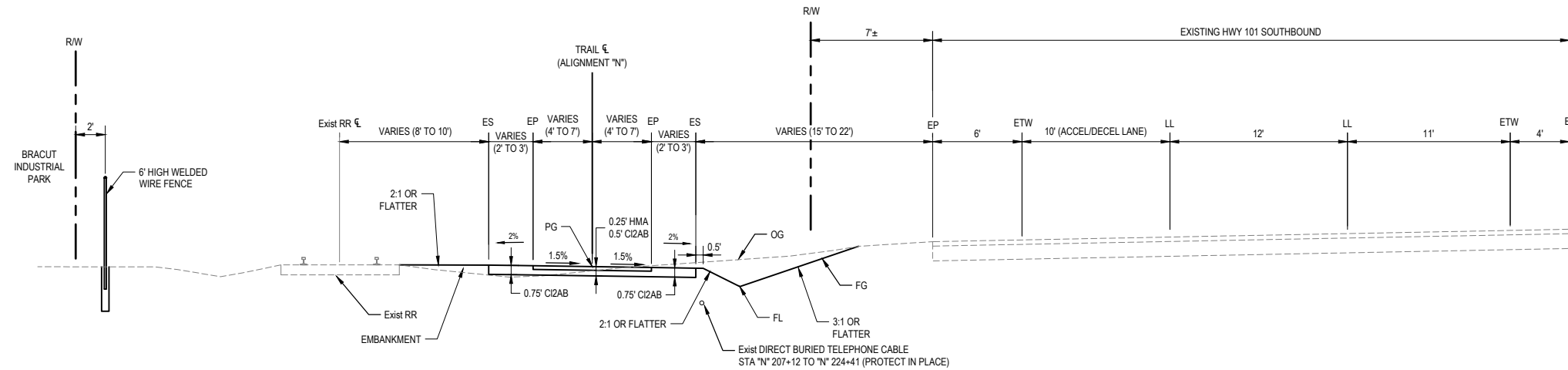
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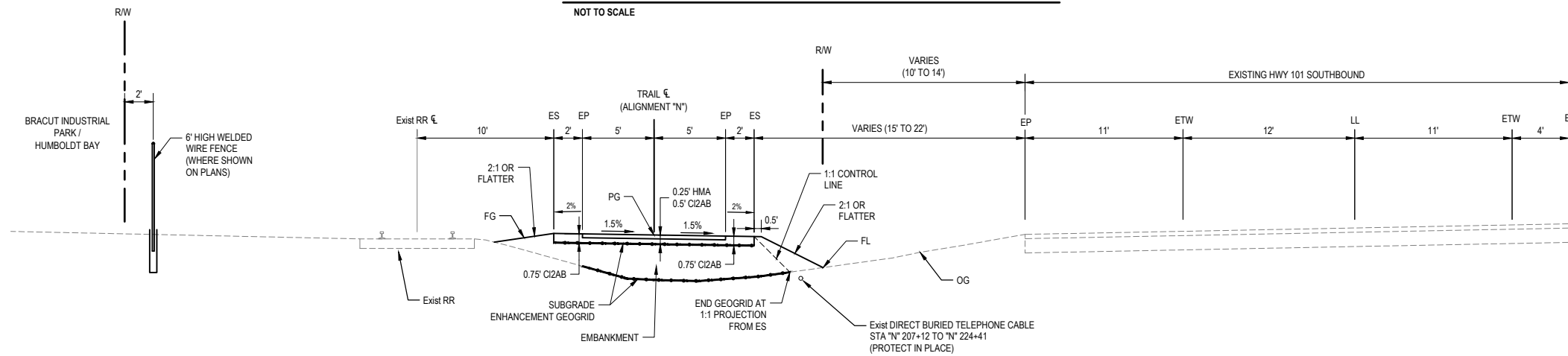
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Drafting Check	C. PENNY	Design Check	J. WOLF
Project Manager	J. WOLF	Date	12/23/2022
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Title	TYPICAL SECTIONS 7 OF 8		
GHD Project No. 11110166 & 11218356			
Original Size	ANSI D	Sheet No.	G-013



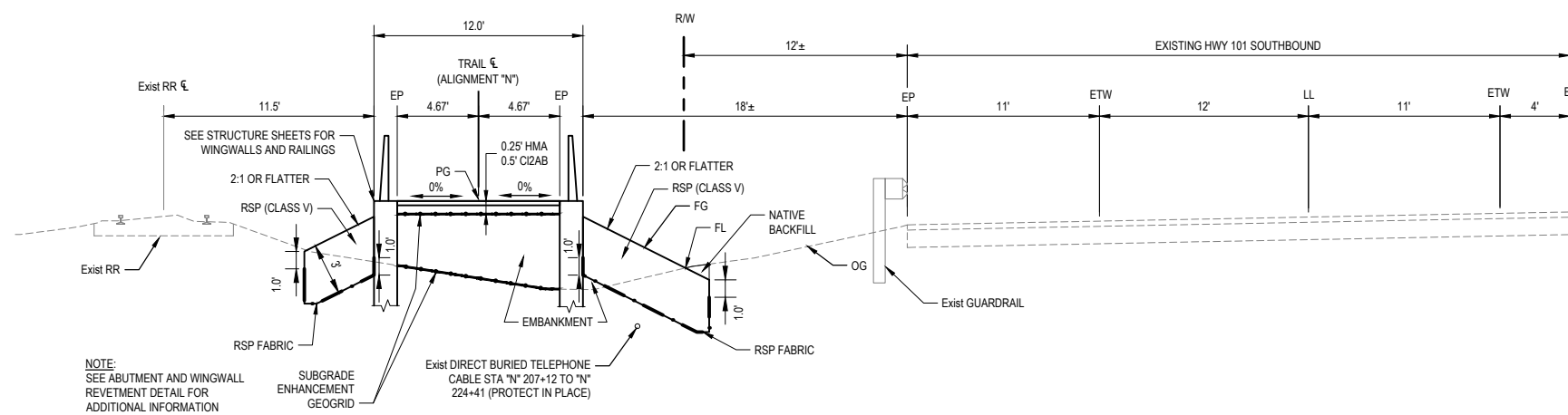
**TYPICAL SECTION: STA "N" 207+26 TO STA "N" 207+83
AND STA "N" 208+20 TO STA "N" 208+80**

NOT TO SCALE



**TYPICAL SECTION: STA "N" 217+00 TO STA "N" 221+55;
STA "N" 222+61 TO STA "N" 224+41**

NOT TO SCALE



**TYPICAL SECTION: STA "N" 221+55 TO STA "N" 221+71;
STA "N" 222+51 TO STA "N" 222+67**

NOT TO SCALE

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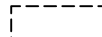


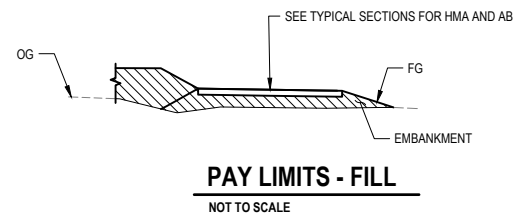
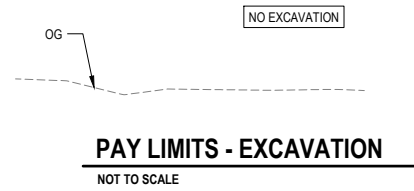
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Drafting Check	C. PENNY	Design Check	J. WOLF
Project Manager	J. WOLF	Date	12/23/2022
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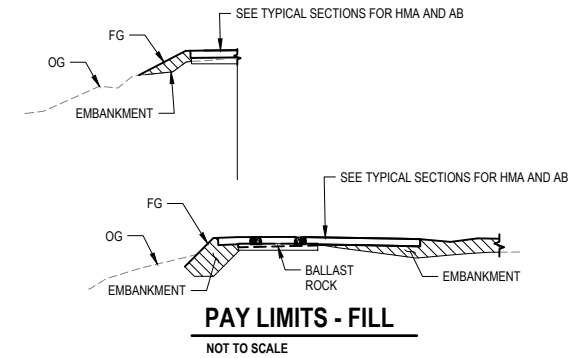
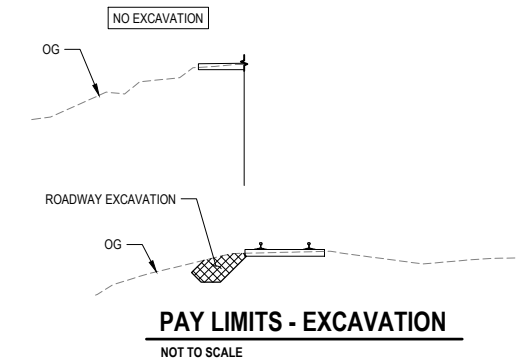
Client	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS		
Project	HUMBOLDT BAY TRAIL SOUTH		
Title	TYPICAL SECTIONS 8 OF 8		
GHD Project No.	11110166 & 11218356		
Original Size	ANSI D	Sheet No.	G-014
Scale	AS SHOWN	Sheet	14 of 108

LEGEND

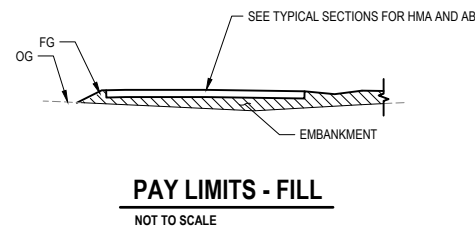
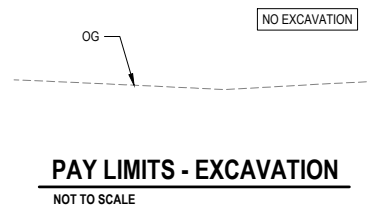
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-  EMBANKMENT
-  BALLAST ROCK



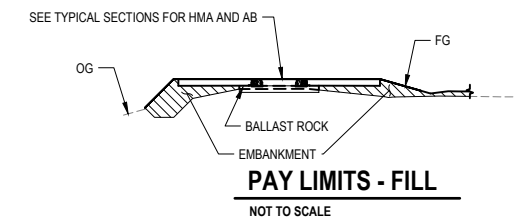
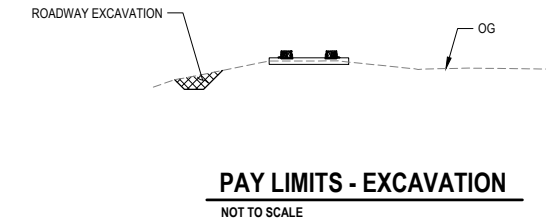
TYPICAL SECTION: STA "EWT" 207+25 TO STA "EWT" 209+22
NOT TO SCALE



TYPICAL SECTION: STA "S" 0+94 TO STA "S" 1+11
NOT TO SCALE



TYPICAL SECTION: STA "S" 0+85 TO STA "S" 0+94
NOT TO SCALE



TYPICAL SECTION: STA "S" 1+11 TO STA "S" 1+81
NOT TO SCALE

No.	Issue	Drawn	Approved	Date



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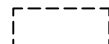


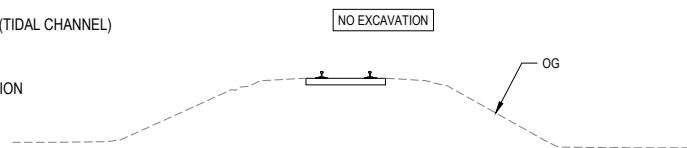
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Drafting Check C. PENNY	Design Check J. WOLF
Project Manager J.WOLF	Date 12/23/2022
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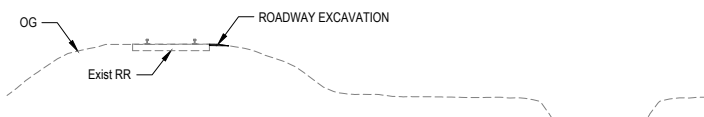
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Title TYPICAL PAYMENT SECTIONS 1 OF 7	
GHD Project No. 11110166 & 11218356	
Original Size ANSI D	Sheet No. G-015

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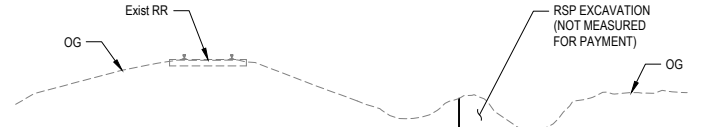
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-  ROADWAY EXCAVATION
-  EMBANKMENT
-  CLASS III RSP
-  CLASS I RSP
-  SMALL RSP
-  BALLAST ROCK



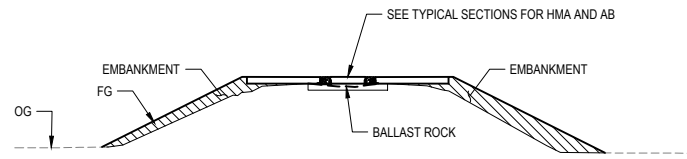
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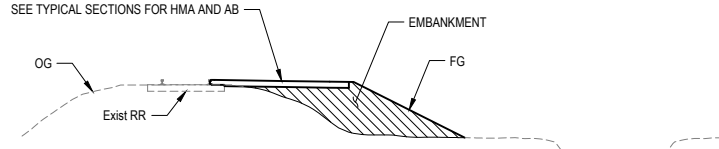
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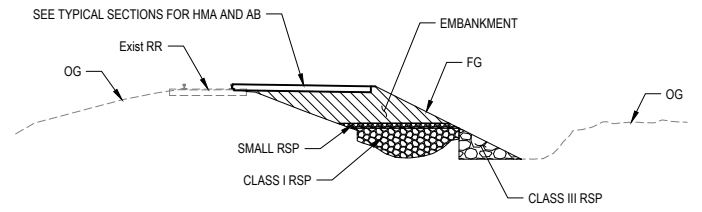
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PAY LIMITS - FILL
NOT TO SCALE



PAY LIMITS - FILL
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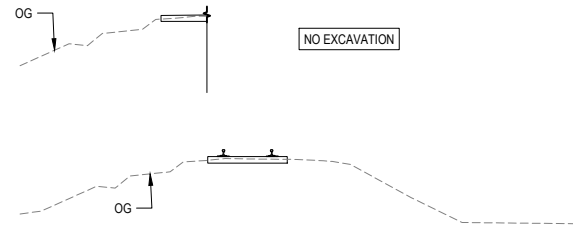


PAY LIMITS - FILL
NOT TO SCALE

TYPICAL SECTION : STA "S" 9+04 TO STA "S" 9+43
NOT TO SCALE

TYPICAL SECTION : STA "S" 9+92 TO STA "S" 14+40
NOT TO SCALE

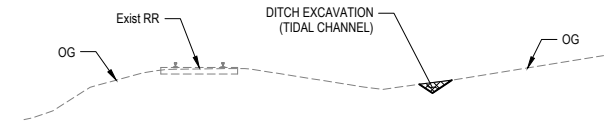
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NOT TO SCALE



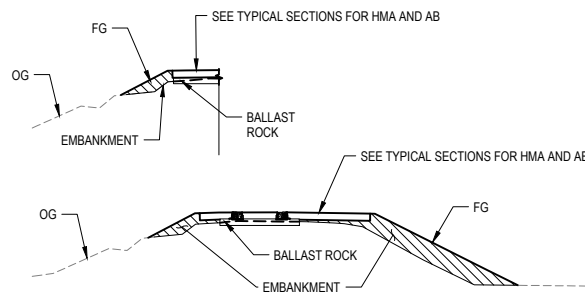
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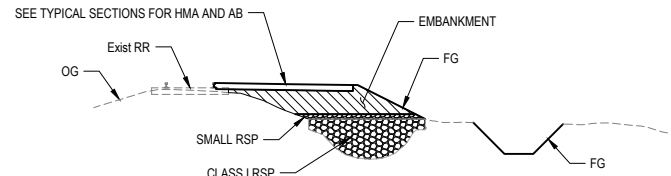
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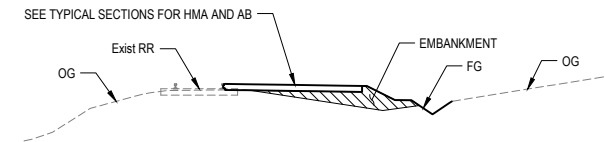
PAY LIMITS - FILL
NOT TO SCALE



PAY LIMITS - FILL
NOT TO SCALE



PAY LIMITS - FILL
NOT TO SCALE



TRANSITION SECTION : STA "S" 9+43 TO STA "S" 9+92
NOT TO SCALE

TYPICAL SECTION: STA "S" 14+40 TO STA "S" 14+70, STA "S" 15+25 TO STA "S" 15+86, STA "S" 16+15 TO STA "S" 23+04
NOT TO SCALE

TYPICAL SECTION : STA "S" 23+04 TO STA "S" 27+50
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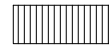

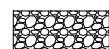


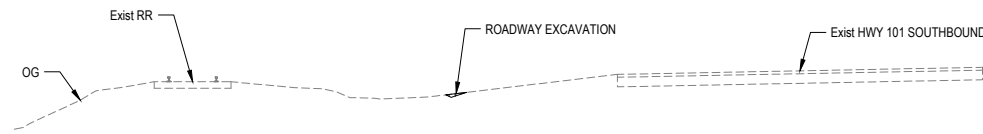
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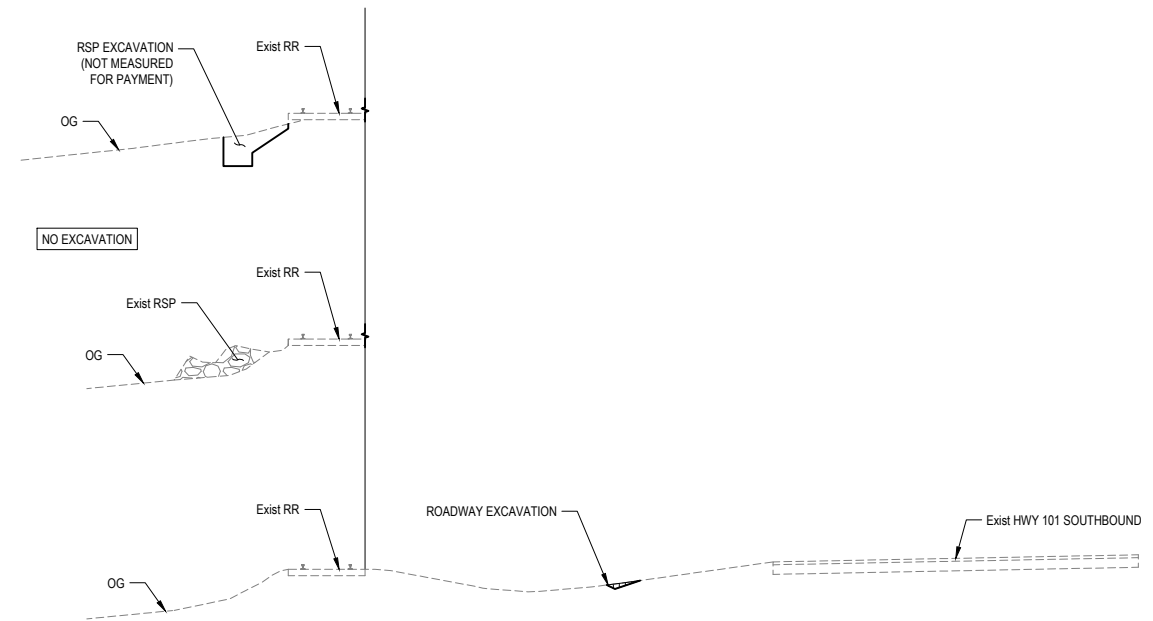
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Title	TYPICAL PAYMENT SECTIONS 2 OF 7		
GHD Project No.	11110166 & 11218356		
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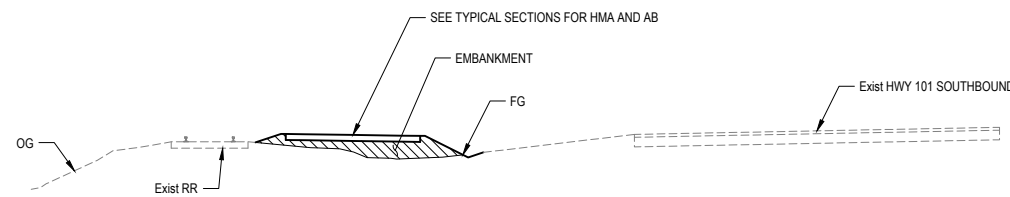
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-  EMBANKMENT
-  CLASS V RSP



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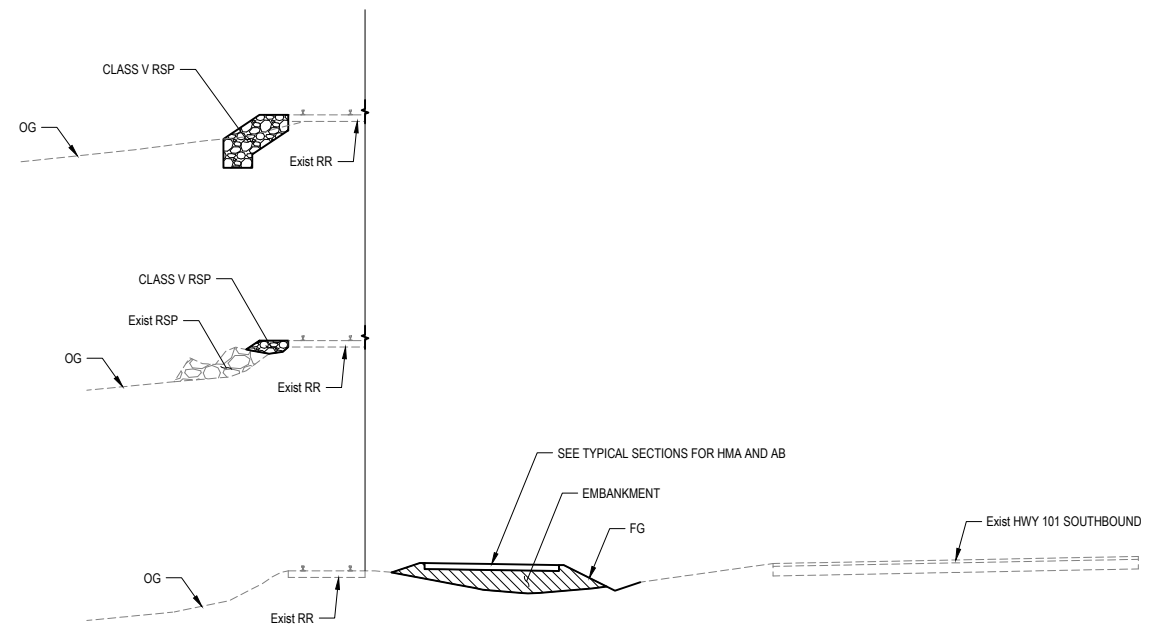


PAY LIMITS - EXCAVATION
NOT TO SCALE



PAY LIMITS - FILL
NOT TO SCALE

TYPICAL SECTION: STA "S" 27+50 TO STA "S" 28+05



PAY LIMITS - FILL
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TYPICAL SECTION: STA "S" 28+05 TO STA "S" 74+94

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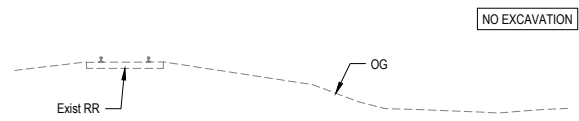
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Title	TYPICAL PAYMENT SECTIONS 3 OF 7		
GHD Project No. 11110166 & 11218356			
Original Size	ANSI D	Sheet No.	G-017
Sheet 17 of 108			

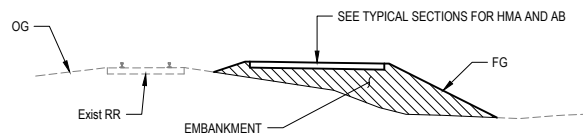
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-  ROADWAY EXCAVATION
-  EMBANKMENT
-  CLASS V RSP
-  CLASS I RSP
-  SMALL RSP



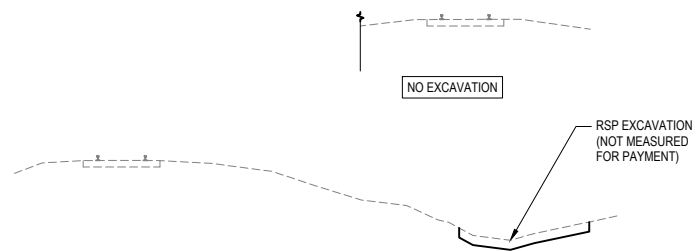
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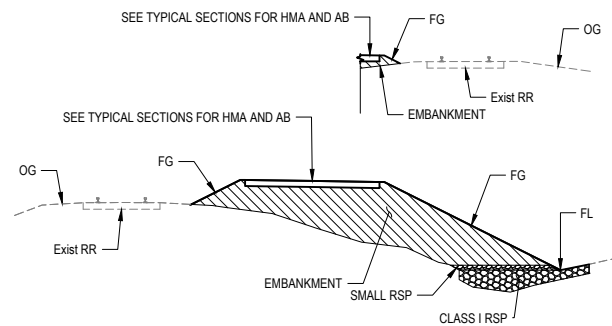
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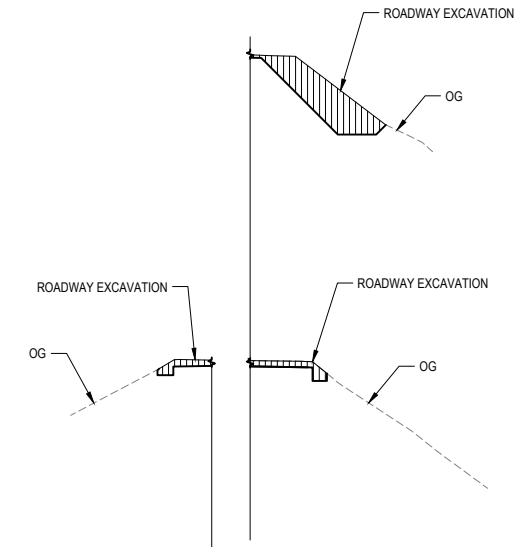


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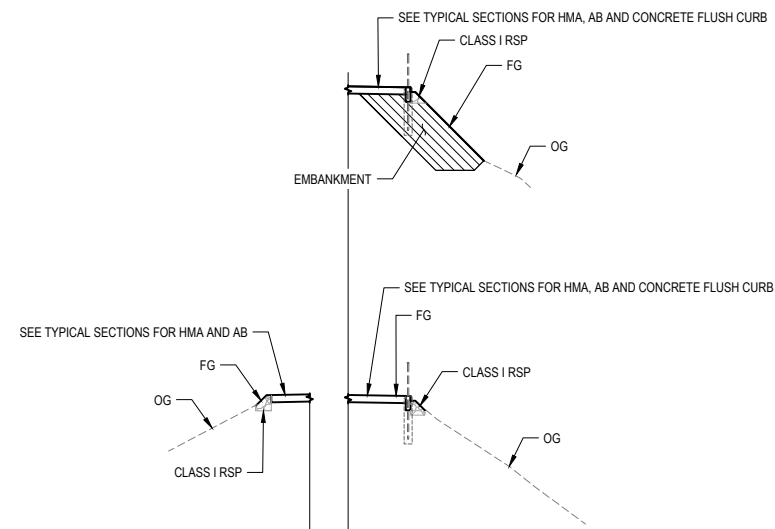
TYPICAL SECTION: STA "M" 131+69 TO STA "M" 132+28

NOT TO SCALE



PAY LIMITS - EXCAVATION

NOT TO SCALE



SEE TYPICAL SECTIONS FOR HMA, AB AND CONCRETE FLUSH CURB

PAY LIMITS - FILL

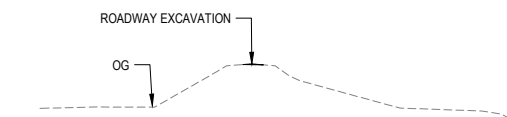
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NOT TO SCALE

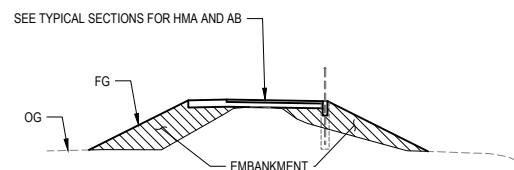
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NOT TO SCALE



PAY LIMITS - EXCAVATION

NOT TO SCALE



PAY LIMITS - FILL

NOT TO SCALE

TYPICAL SECTION: STA "M" 76+01 TO STA "M" 77+00;

STA "M" 129+40 TO STA "M" 129+99

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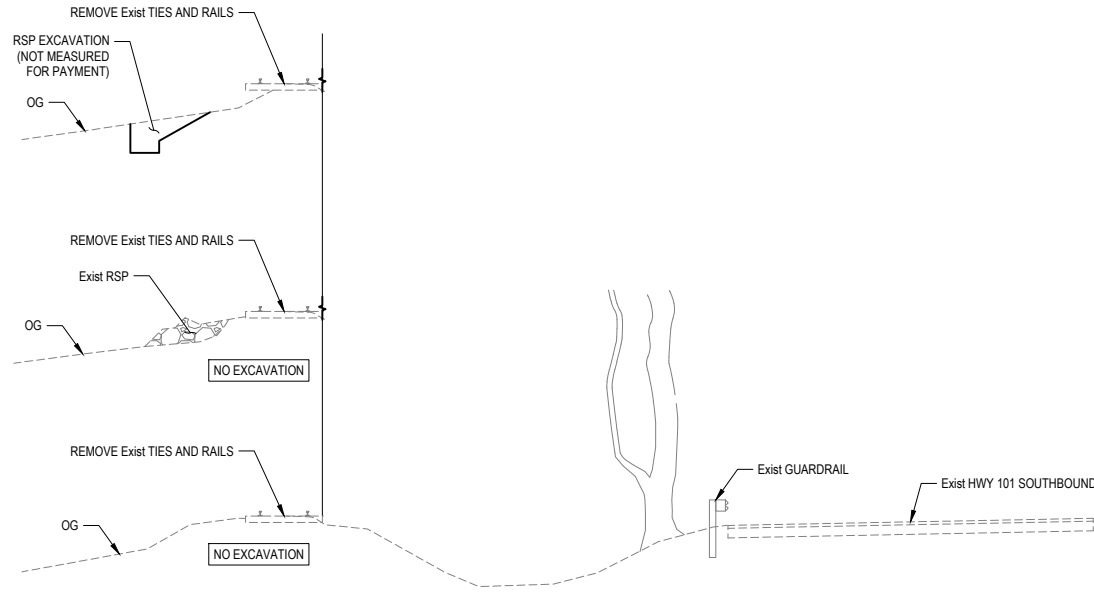
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Drafting Check	C. PENNY	Design Check	J. WOLF
Project Manager	J. WOLF	Date	12/23/2022
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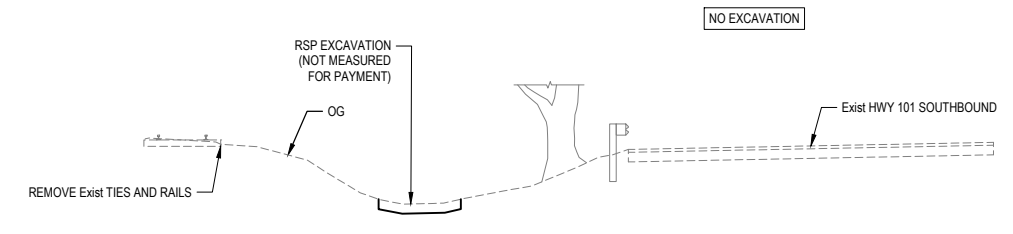
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Project	HUMBOLDT BAY TRAIL SOUTH		
Title	TYPICAL PAYMENT SECTIONS 4 OF 7		
GHD Project No.	11110166 & 11218356		
Original Size	ANSI D	Sheet No.	G-018
Plot Date: 18 January 2023 - 9:16 AM		Plotter: Camille Penny	

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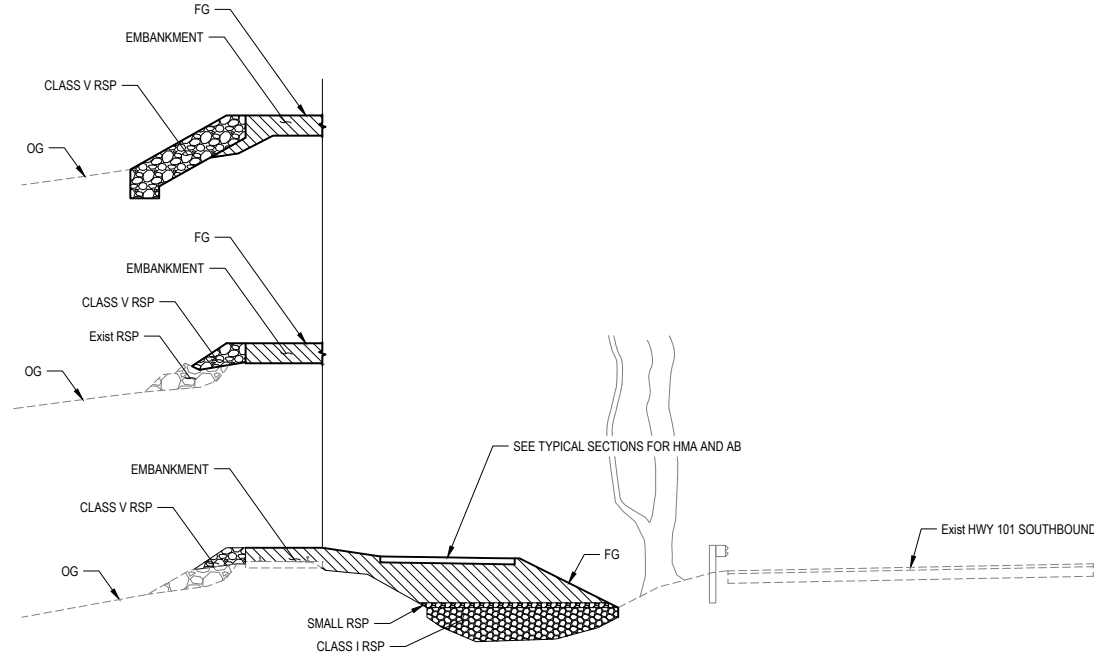
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-  EMBANKMENT
-  CLASS V RSP
-  CLASS I RSP
-  SMALL RSP



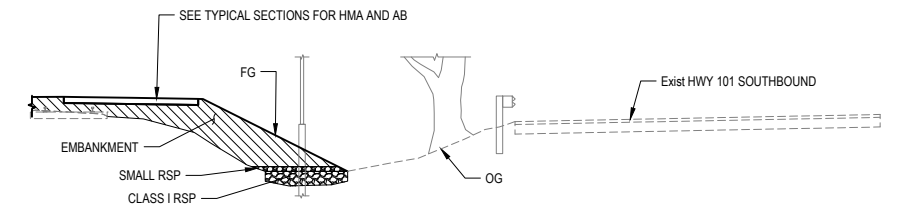
PAY LIMITS - EXCAVATION
NOT TO SCALE



PAY LIMITS - EXCAVATION
NOT TO SCALE



PAY LIMITS - FILL
NOT TO SCALE



PAY LIMITS - FILL
NOT TO SCALE

TYPICAL SECTION: STA "N" 132+43 TO STA "N" 156+25

NOTE: EQ STATION
"M" 132+40 = "N" 132+43

TYPICAL SECTION: STA "N" 156+25 TO STA "N" 157+88

No.	Issue	Drawn	Approved	Date



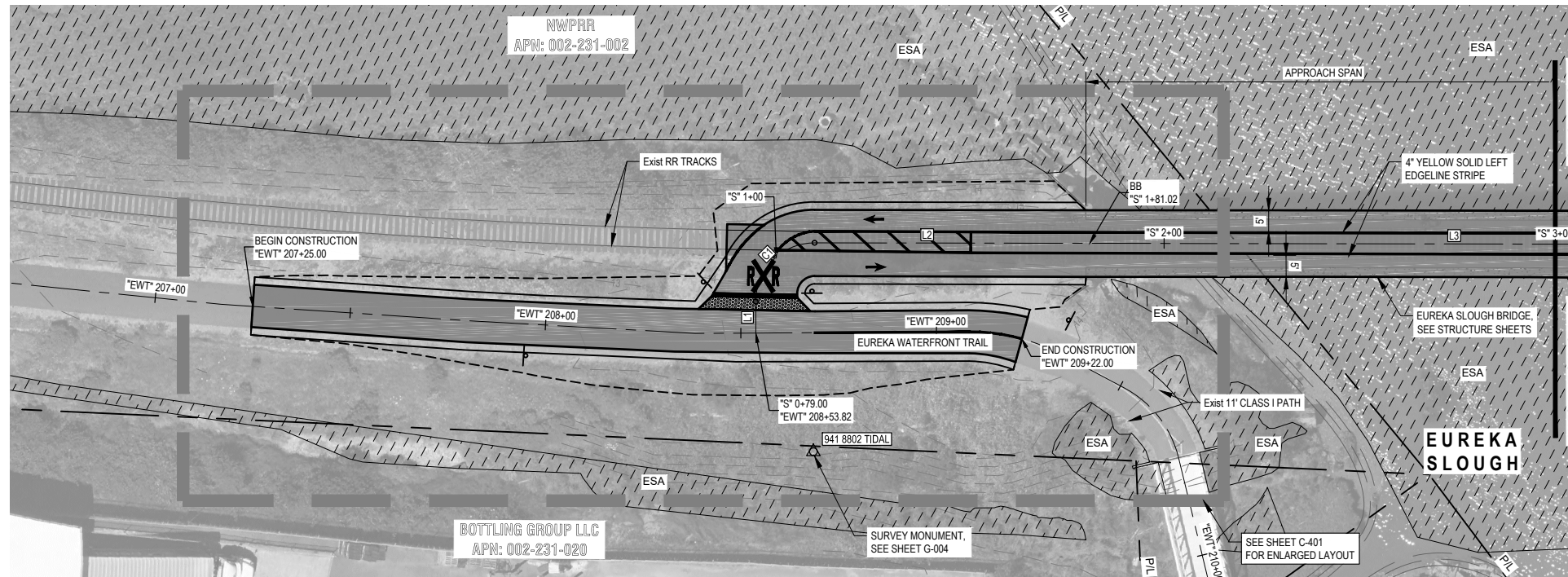
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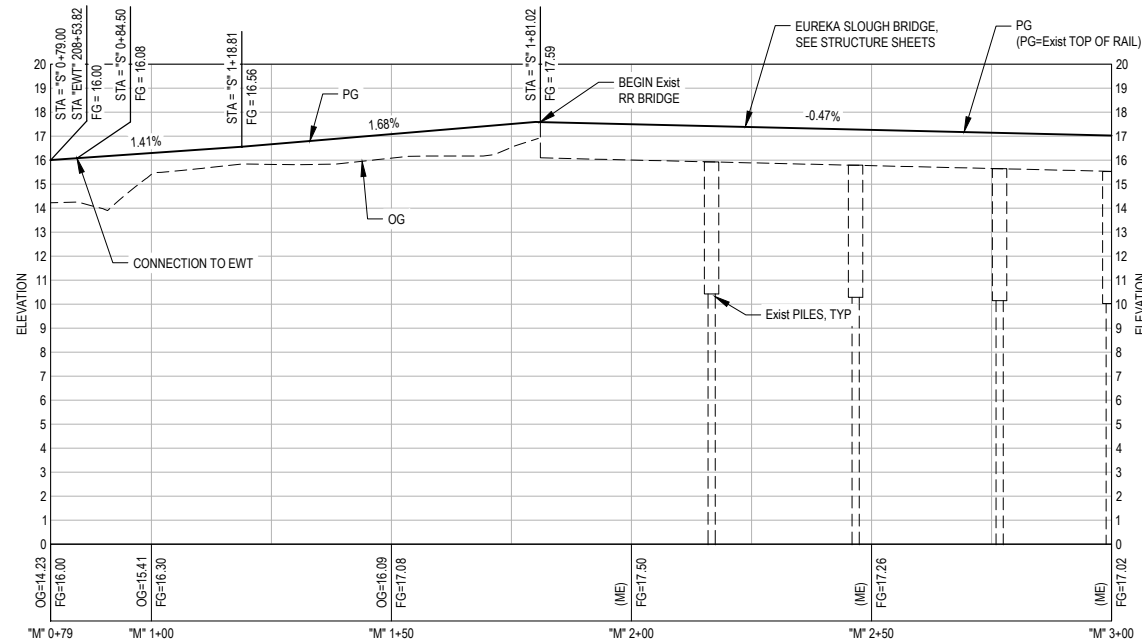
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Project Manager	J. WOLF	Date	12/23/2022
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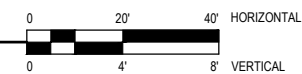
Client	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS		
Project	HUMBOLDT BAY TRAIL SOUTH		
Title	TYPICAL PAYMENT SECTIONS 5 OF 7		
GHD Project No.	11110166 & 11218356		
Original Size	ANSI D	Sheet No.	G-019
Scale	AS SHOWN		



PLAN VIEW STA "S" 0+79 TO "S" 3+00



PROFILE VIEW STA "S" 0+79 TO "S" 3+00



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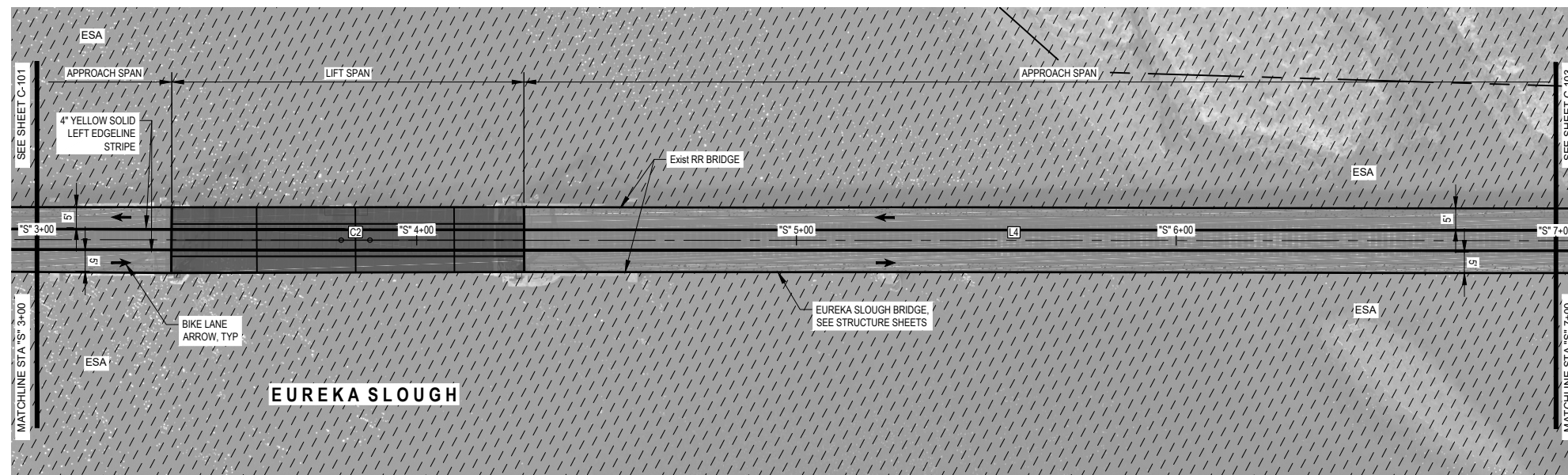
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Drafting Check	C. PENNY	Design Check	J. WOLF
Project Manager	J. WOLF	Date	12/23/2022
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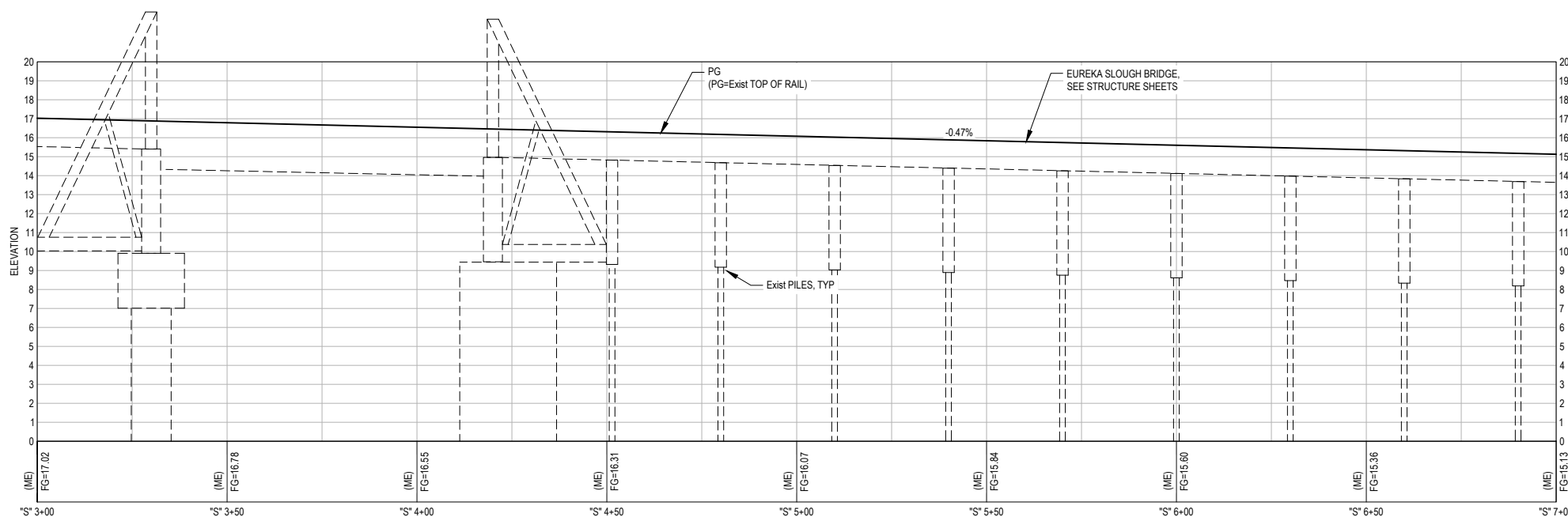
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Project	HUMBOLDT BAY TRAIL SOUTH		
Title	TRAIL PLAN & PROFILE STA "S" 0+79 TO "S" 3+00		
GHD Project No.	11110166 & 11218356		
Original Size	ANSI D	Sheet No.	C-101
Sheet 22 of 108			

LEGEND

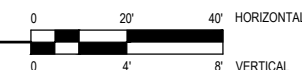
 TIMBER DECKING (SEE STRUCTURE SHEETS)



PLAN VIEW STA "S" 3+00 TO "S" 7+00



PROFILE VIEW STA "S" 3+00 TO "S" 7+00



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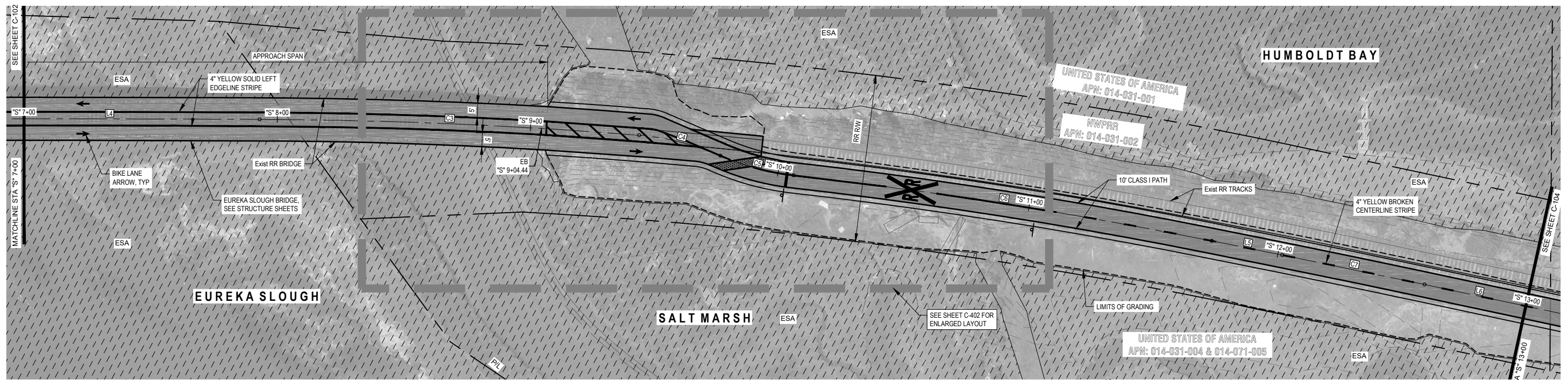
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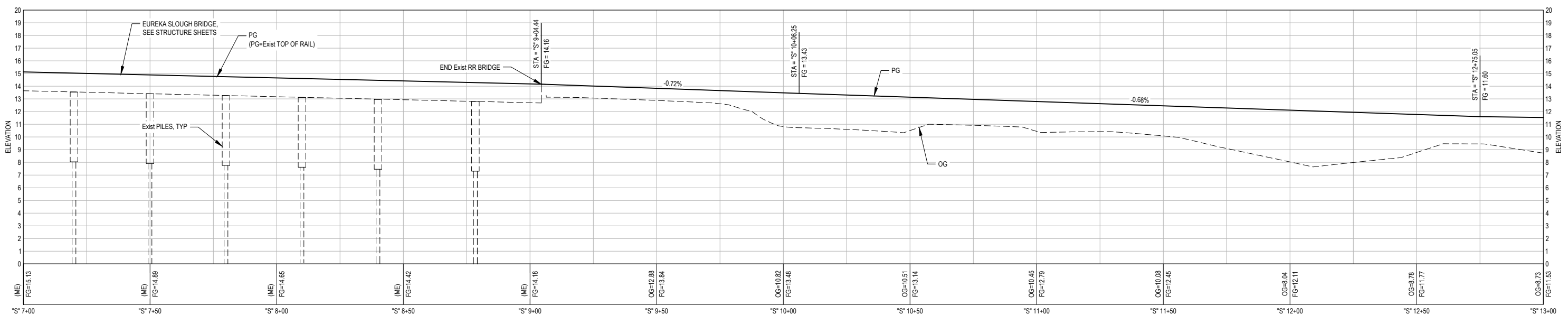
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PLAN VIEW STA "S" 7+00 TO "S" 13+00



PROFILE VIEW STA "S" 7+00 TO "S" 13+00

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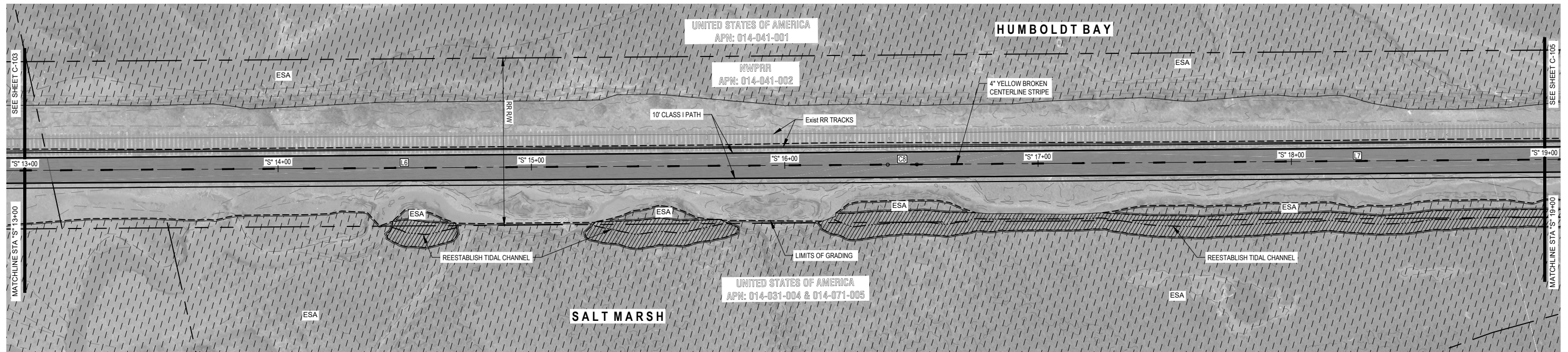
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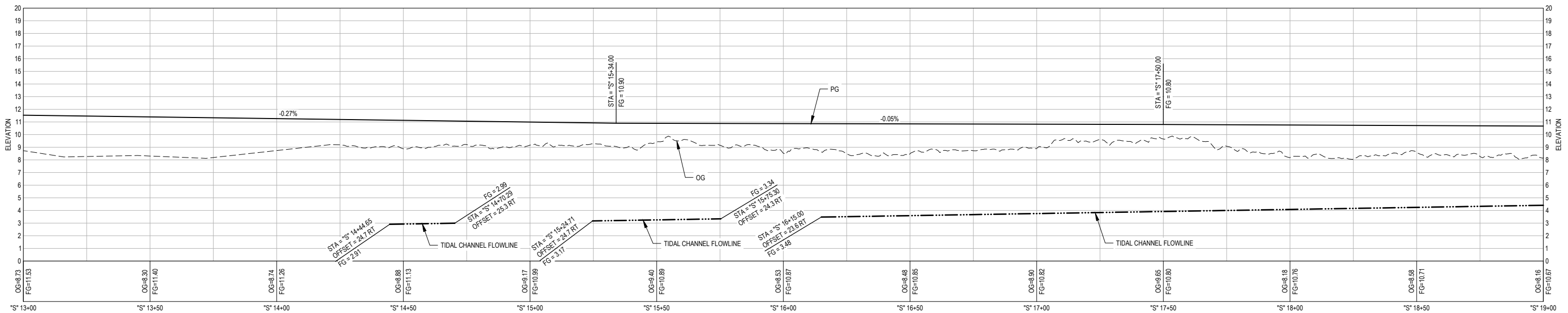
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Project	HUMBOLDT BAY TRAIL SOUTH		
Title	TRAIL PLAN & PROFILE STA "S" 7+00 TO "S" 13+00		
GHD Project No.	11110166 & 11218356		
Original Size	ANSI D	Sheet No.	C-103
			Sheet 24 of 108

LEGEND

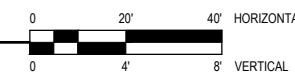
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PLAN VIEW STA "S" 13+00 TO "S" 19+00



PROFILE VIEW STA "S" 13+00 TO "S" 19+00



No.	Issue	Drawn	Approved	Date



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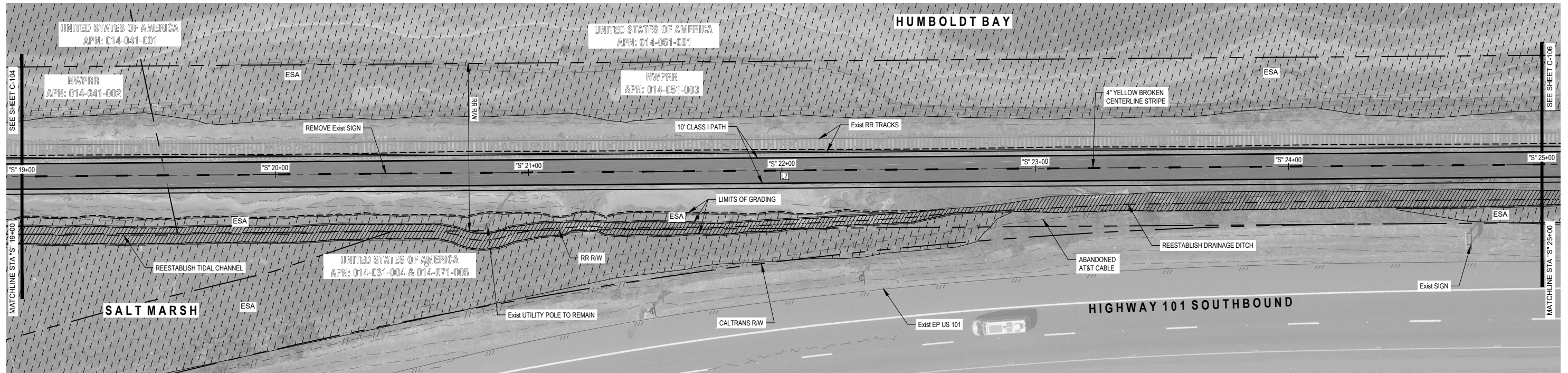
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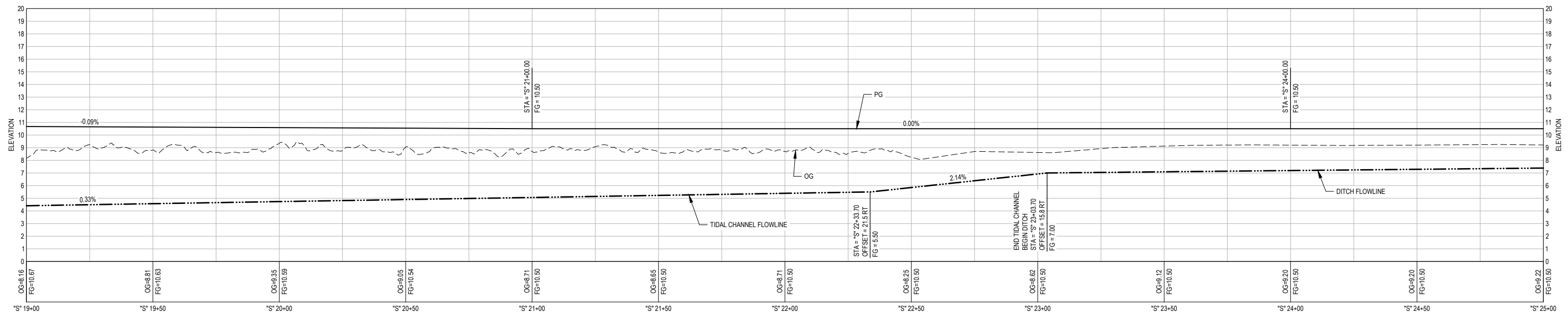
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Project **HUMBOLDT BAY TRAIL SOUTH**
Title **TRAIL PLAN & PROFILE STA "S" 13+00 TO "S" 19+00**
GHD Project No. **11110166 & 11218356**
Original Size **ANSI D**
Sheet No. **C-104**
Sheet **25** of **108**

LEGEND

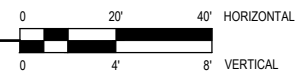
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PLAN VIEW STA "S" 19+00 TO "S" 25+00



PROFILE VIEW STA "S" 19+00 TO "S" 25+00



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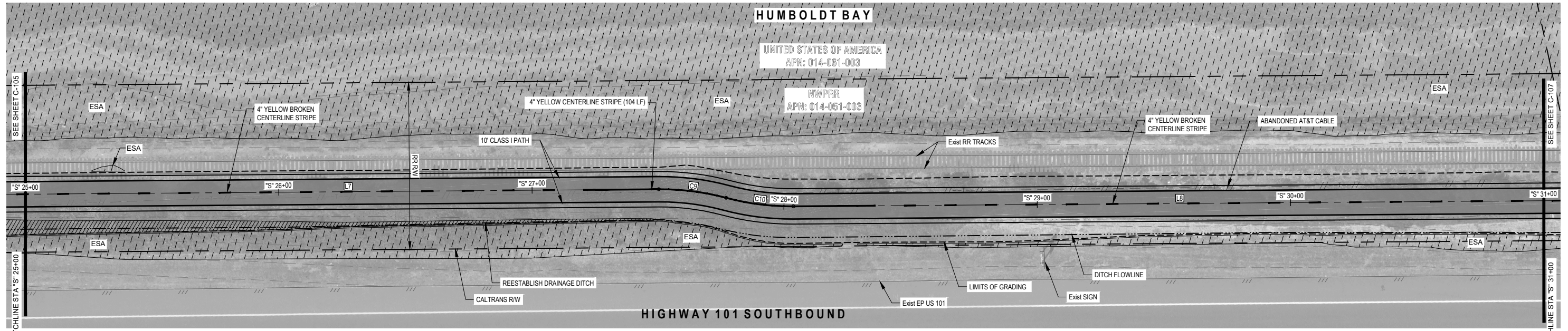


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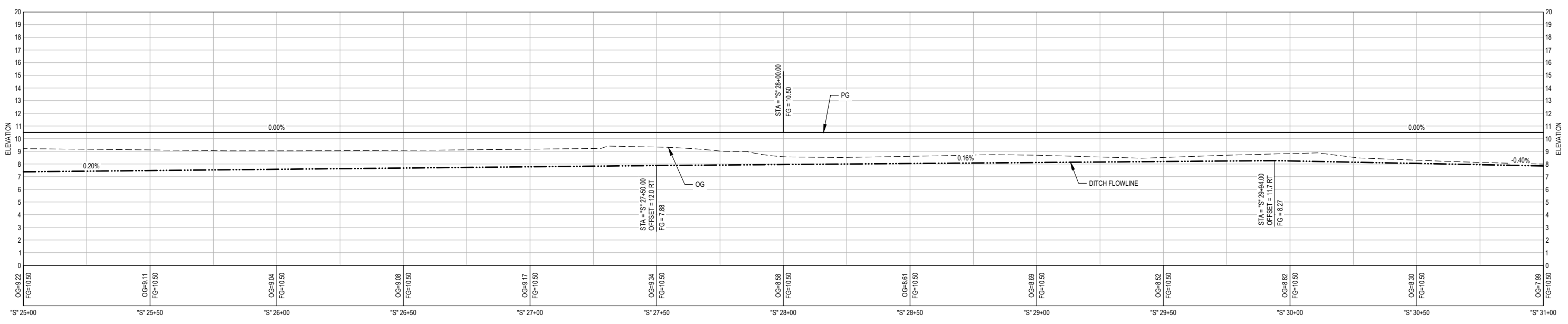
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Original Size	ANSI D
Sheet No.	C-105
Sheet	26 of 108

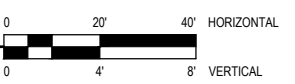
LEGEND



PLAN VIEW STA "S" 25+00 TO "S" 31+00



PROFILE VIEW STA "S" 25+00 TO "S" 31+00



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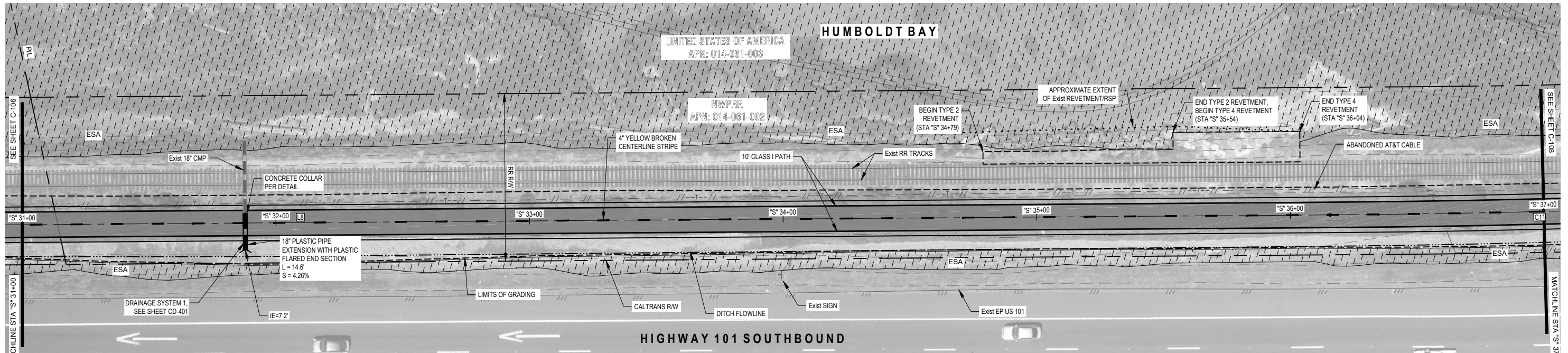
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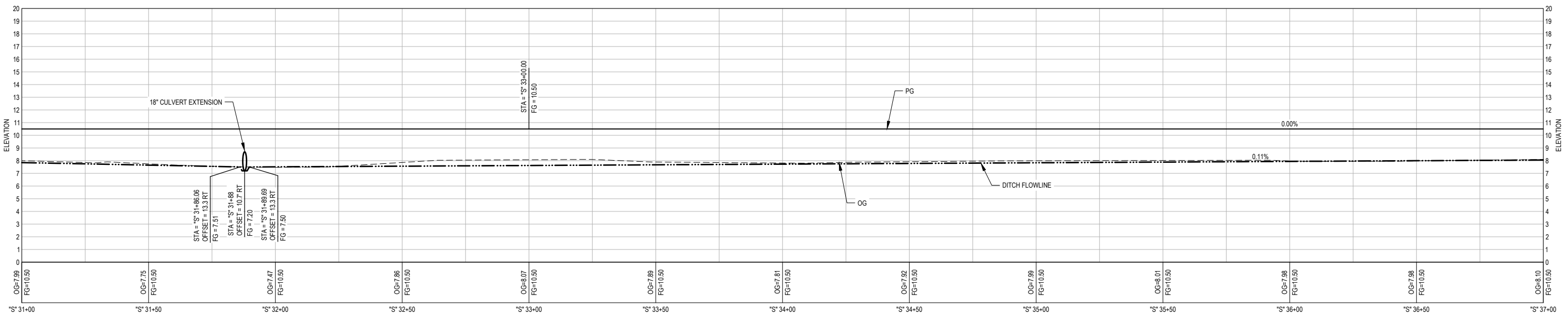
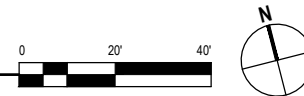
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GHD Project No.	11110166 & 11218356
Original Size	ANSI D
Sheet No.	C-106
Sheet	27 of 108



PLAN VIEW STA "S" 31+00 TO "S" 37+00



PROFILE VIEW STA "S" 31+00 TO "S" 37+00



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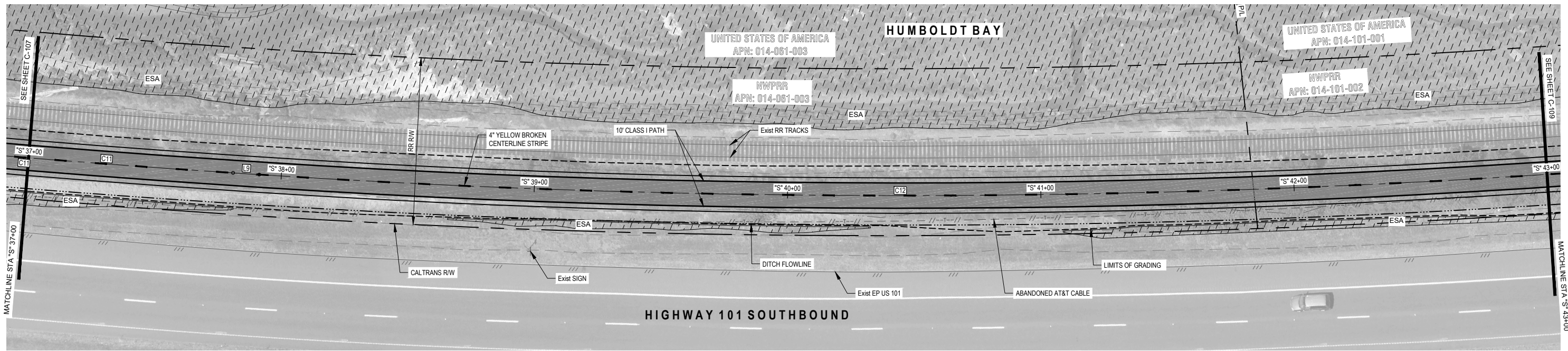
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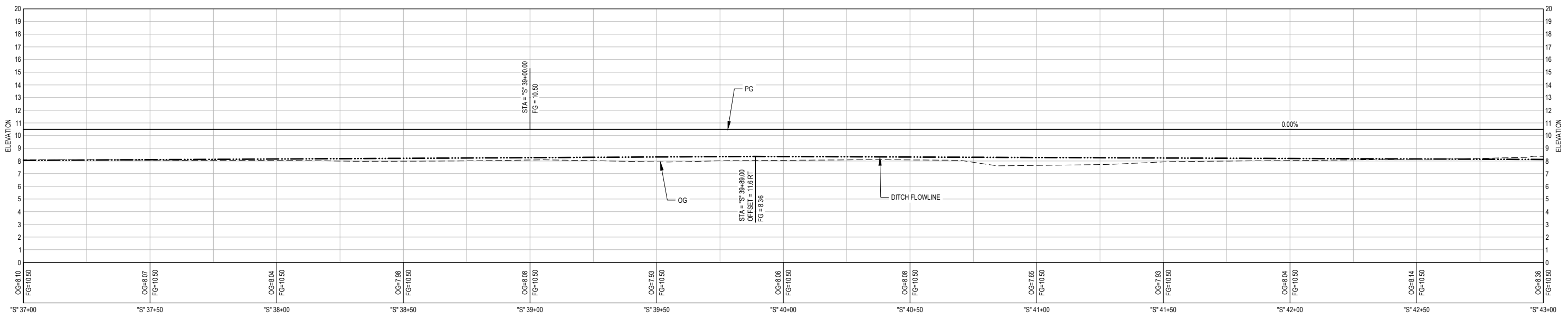
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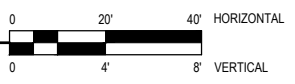
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Title	TRAIL PLAN & PROFILE STA "S" 31+00 TO "S" 37+00
GHD Project No.	11110166 & 11218356
Original Size	ANSI D
Sheet No.	C-107
Sheet	28 of 108



PLAN VIEW STA "S" 37+00 TO "S" 43+00



PROFILE VIEW STA "S" 37+00 TO "S" 43+00



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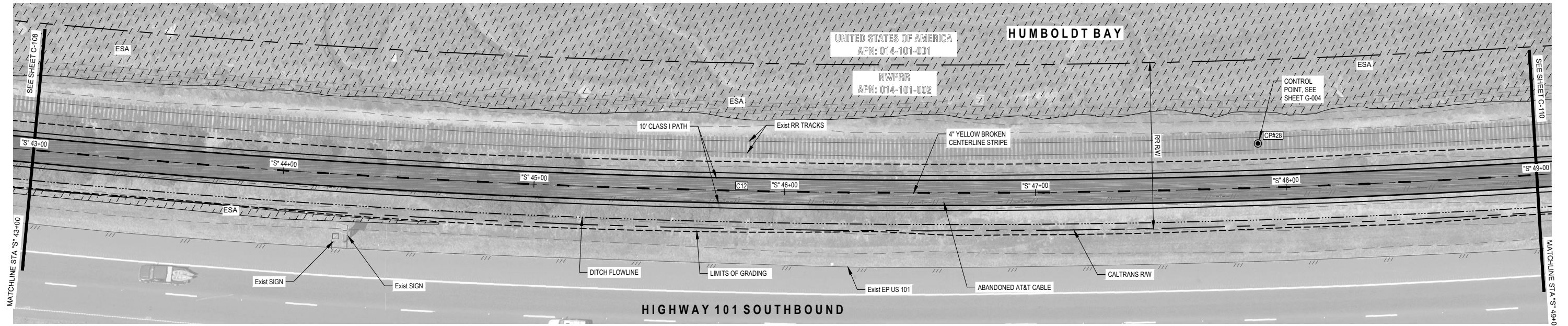
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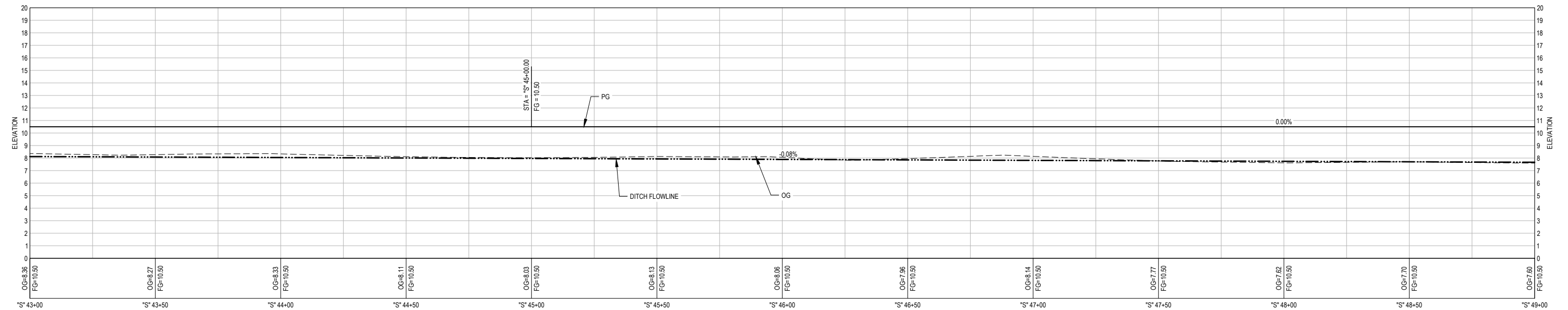
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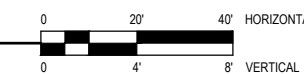
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Title	TRAIL PLAN & PROFILE STA "S" 37+00 TO "S" 43+00
GHD Project No.	11110166 & 11218356
Original Size	ANSI D
Sheet No.	C-108
Sheet	29 of 108



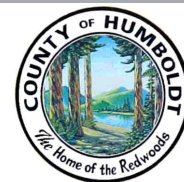
PLAN VIEW STA "S" 43+00 TO "S" 49+00



PROFILE VIEW STA "S" 43+00 TO "S" 49+00



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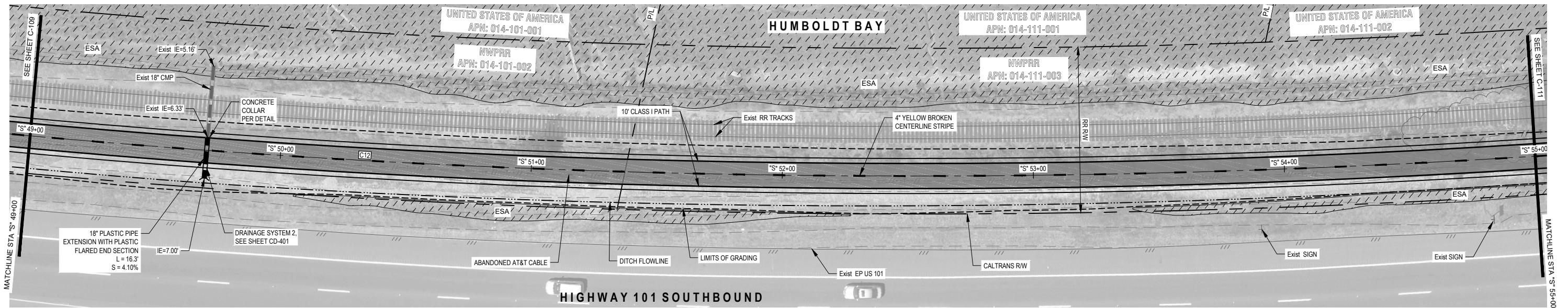
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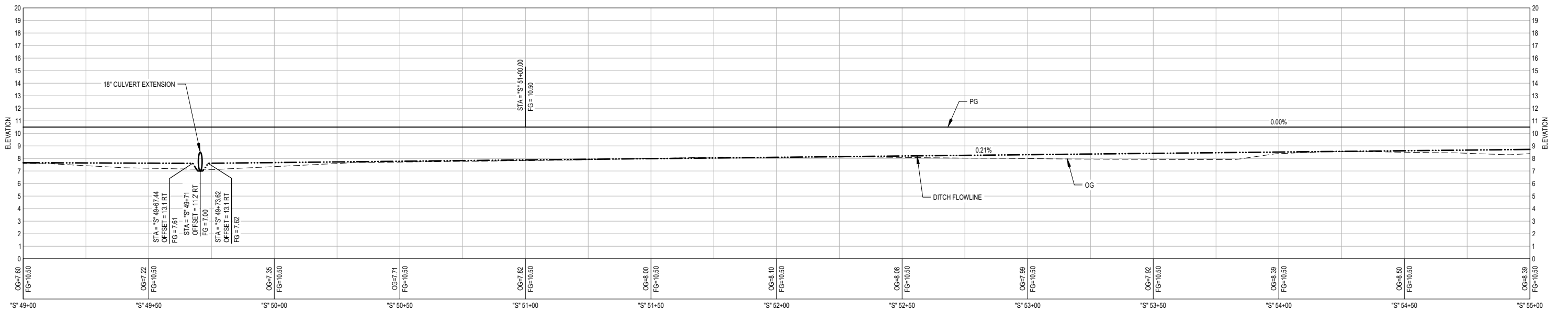
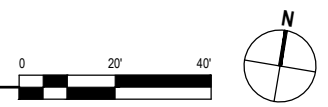
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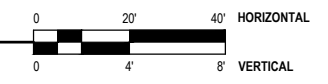
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Title	TRAIL PLAN & PROFILE STA "S" 43+00 TO "S" 49+00
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Sheet No.	C-109
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PLAN VIEW STA "S" 49+00 TO "S" 55+00



PROFILE VIEW STA "S" 49+00 TO "S" 55+00



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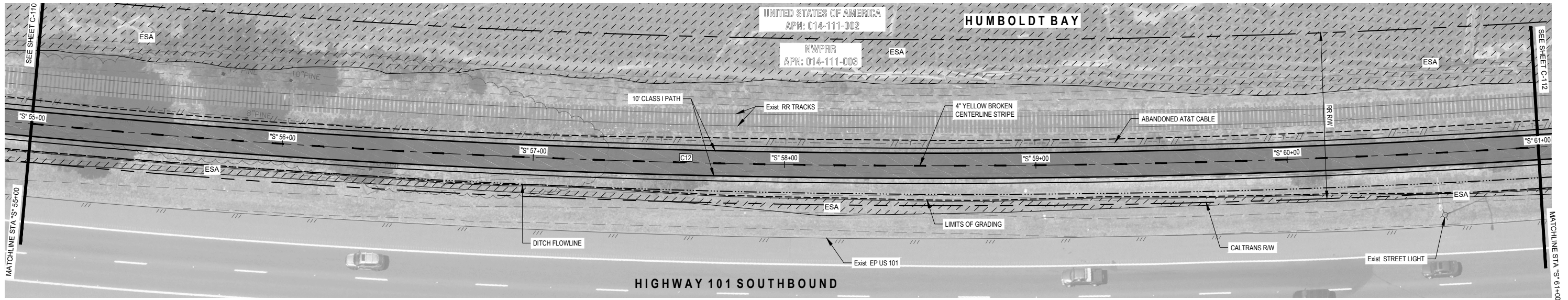
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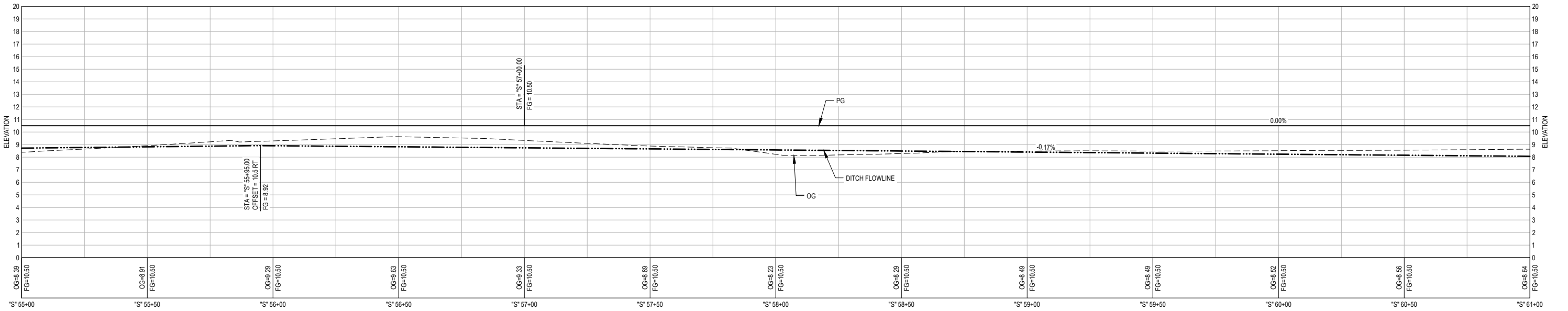
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GHD Project No. 11110166 & 11218356			
Original Size	ANSI D	Sheet No.	C-110
Sheet 31 of 108			



PLAN VIEW STA "S" 55+00 TO "S" 61+00



PROFILE VIEW STA "S" 55+00 TO "S" 61+00



No.	Issue	Drawn	Approved	Date



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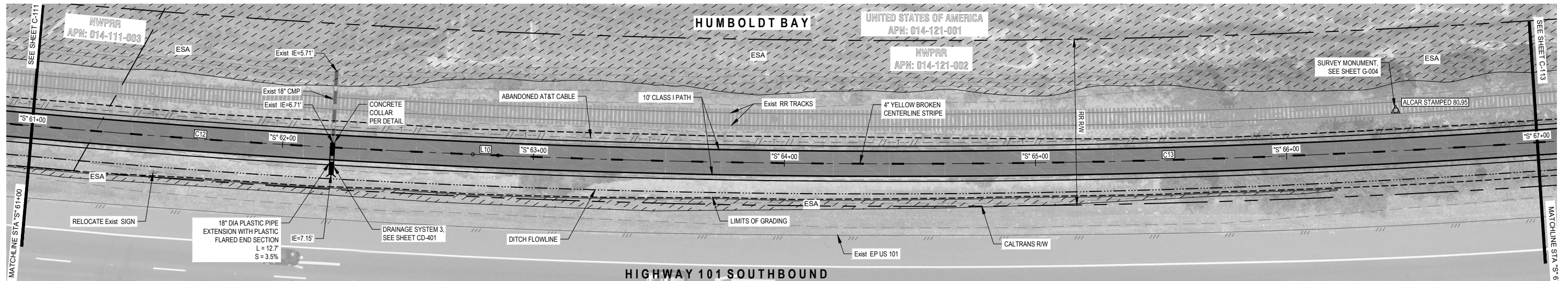
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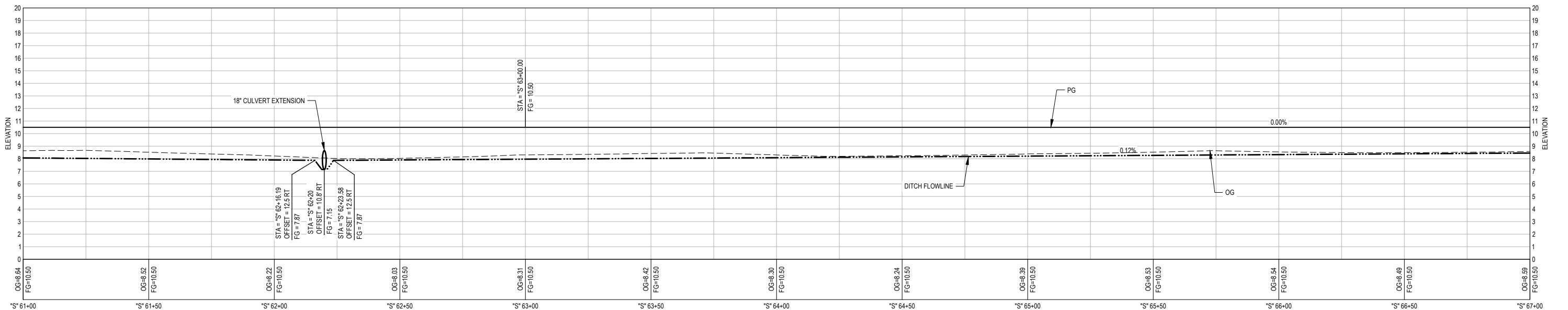
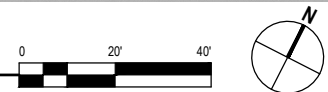
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GHD Project No. 11110166 & 11218356			
Original Size	ANSI D	Sheet No.	C-111
Sheet 32 of 108			



PLAN VIEW STA "S" 61+00 TO "S" 67+00



PROFILE VIEW STA "S" 61+00 TO "S" 67+00



No.	Issue	Drawn	Approved	Date



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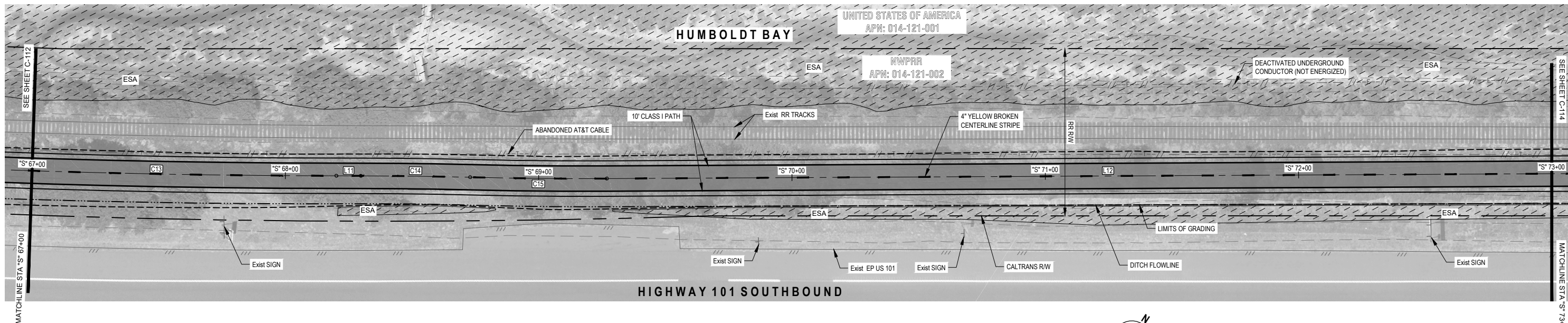
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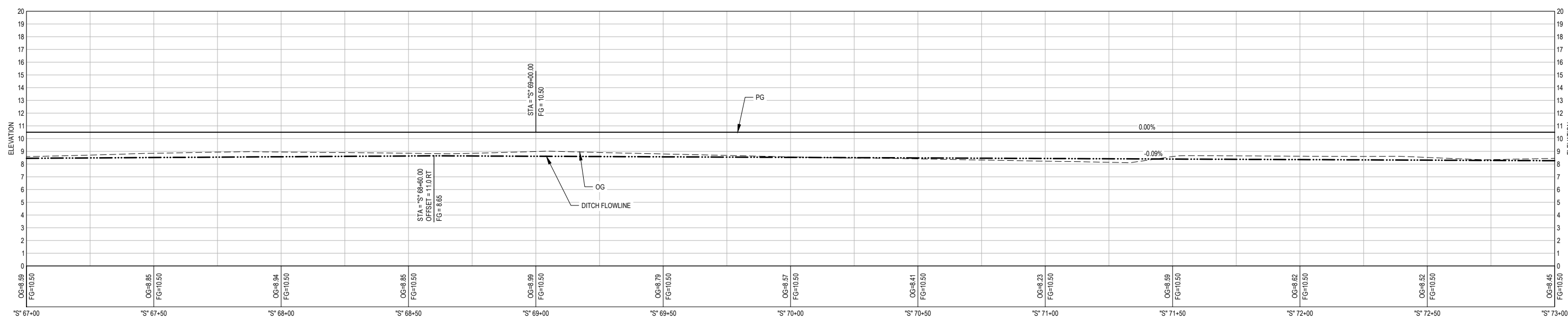
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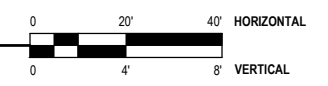
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Title	TRAIL PLAN & PROFILE STA "S" 61+00 TO "S" 67+00		
GHD Project No.	11110166 & 11218356		
Original Size	ANSI D	Sheet No.	C-112
		Sheet	33 of 108



PLAN VIEW STA "S" 67+00 TO "S" 73+00



PROFILE VIEW STA "S" 67+00 TO "S" 73+00



No.	Issue	Drawn	Approved	Date



Bar is one inch on original size sheet
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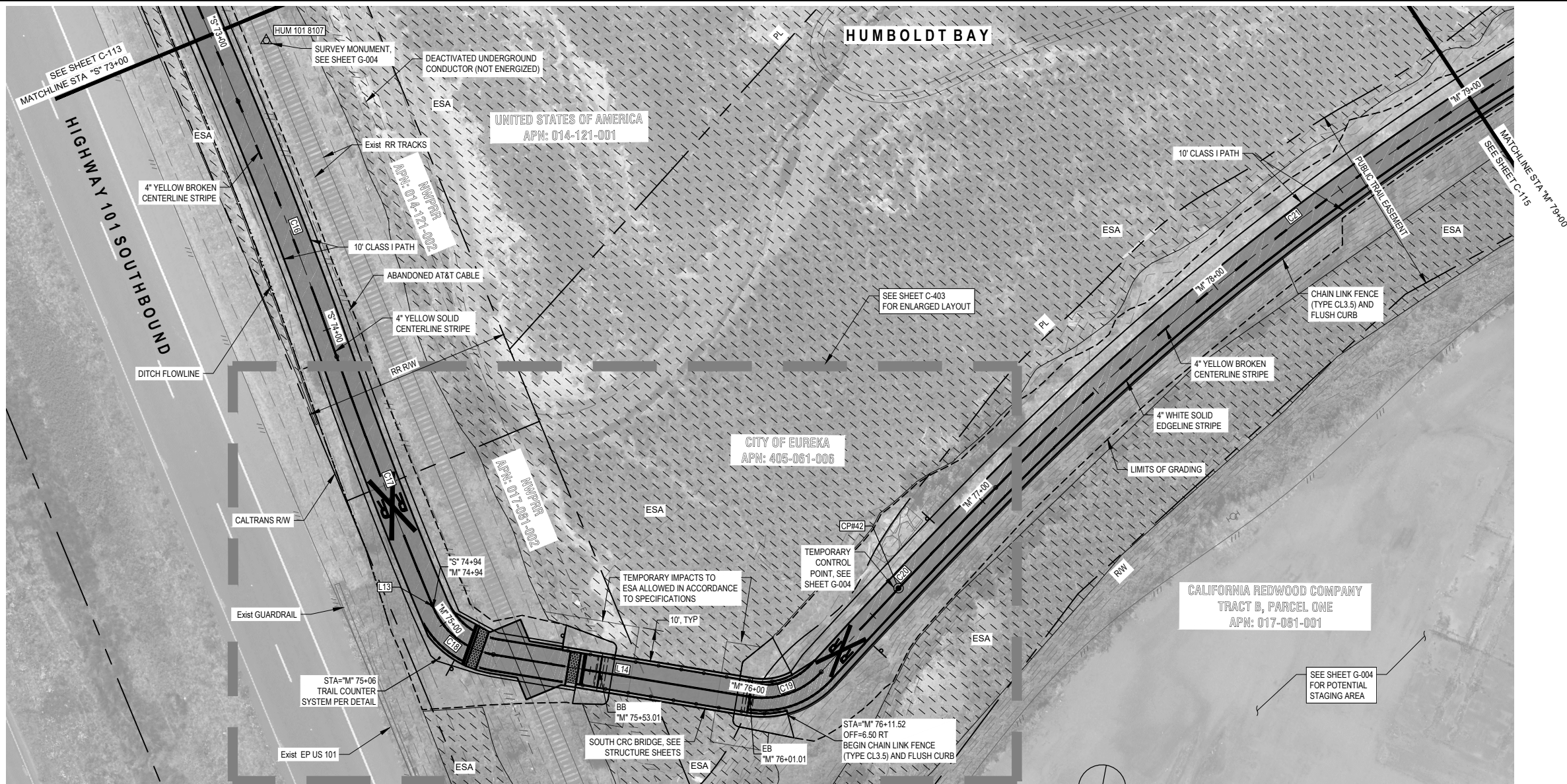
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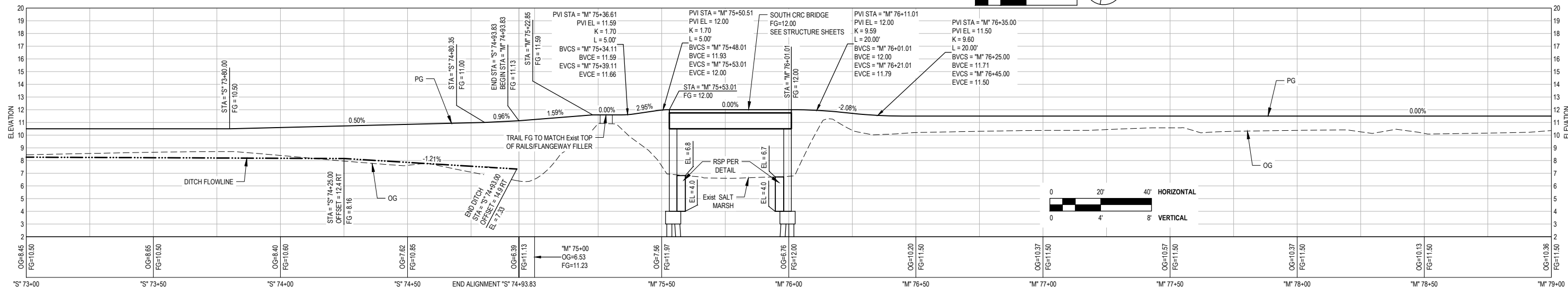
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GHD Project No.	11110166 & 11218356		
Original Size	ANSI D	Sheet No.	C-113
		Sheet	34 of 108



PLAN VIEW STA "S" 73+00 TO "M" 79+00



PROFILE VIEW STA "S" 73+00 TO "M" 79+00

No.	Issue	Drawn	Approved	Date



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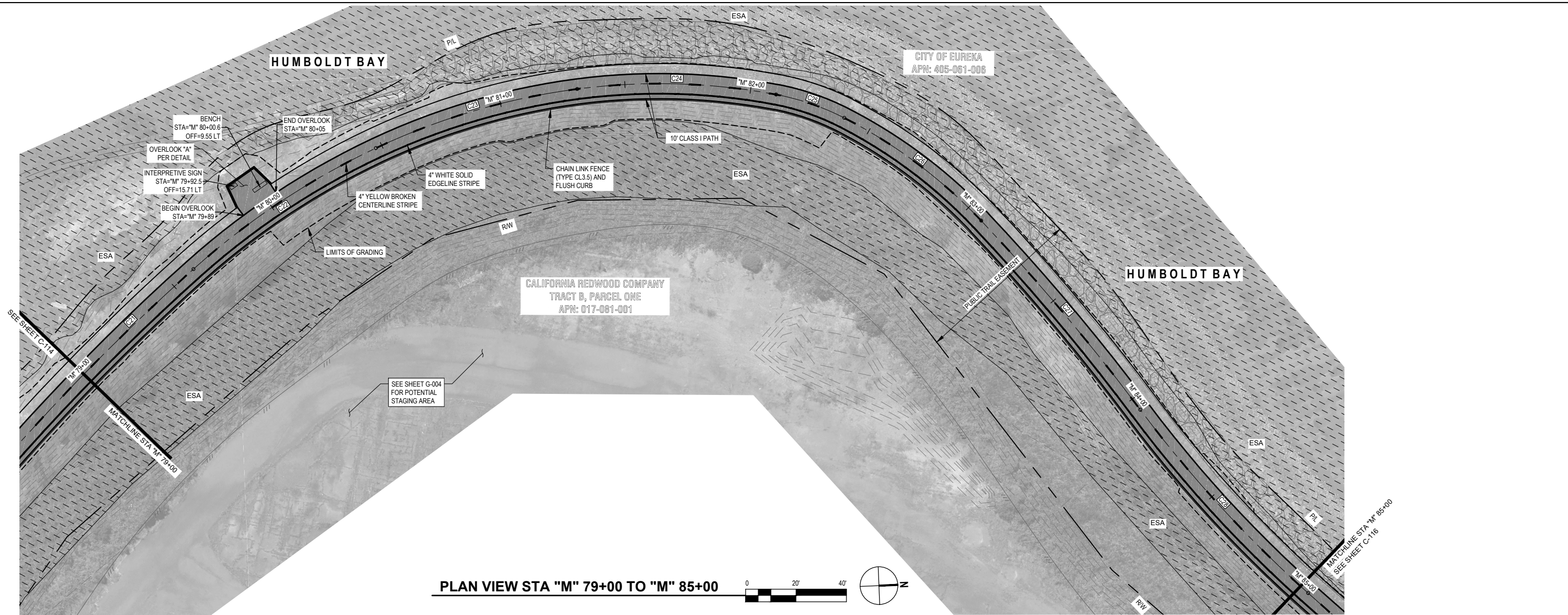
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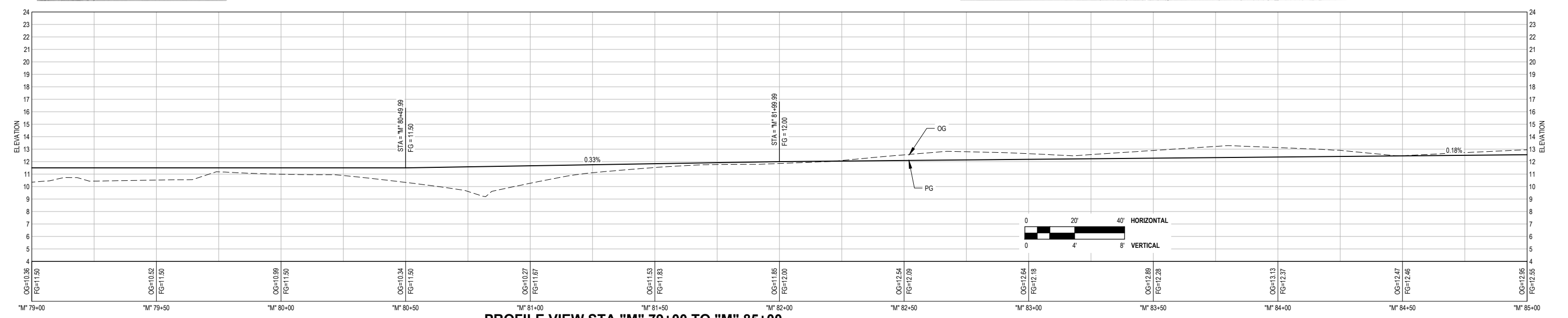
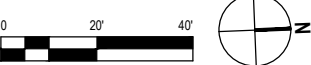
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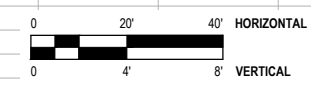
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Project	HUMBOLDT BAY TRAIL SOUTH
Title	TRAIL PLAN & PROFILE STA "S" 73+00 TO "M" 79+00
GHD Project No.	11110166 & 11218356
Original Size	ANSI D
Sheet No.	C-114
Sheet	35 of 108



PLAN VIEW STA "M" 79+00 TO "M" 85+00



PROFILE VIEW STA "M" 79+00 TO "M" 85+00



No.	Issue	Drawn	Approved	Date



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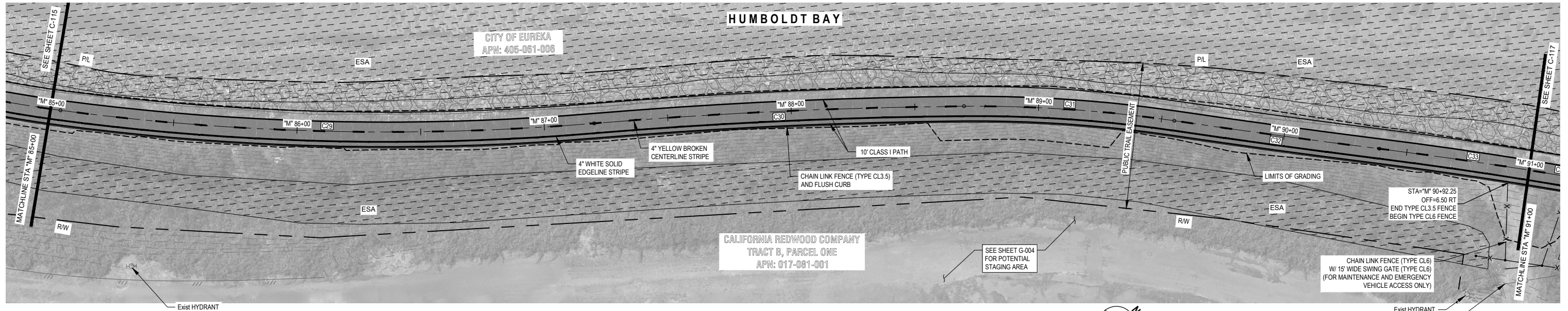
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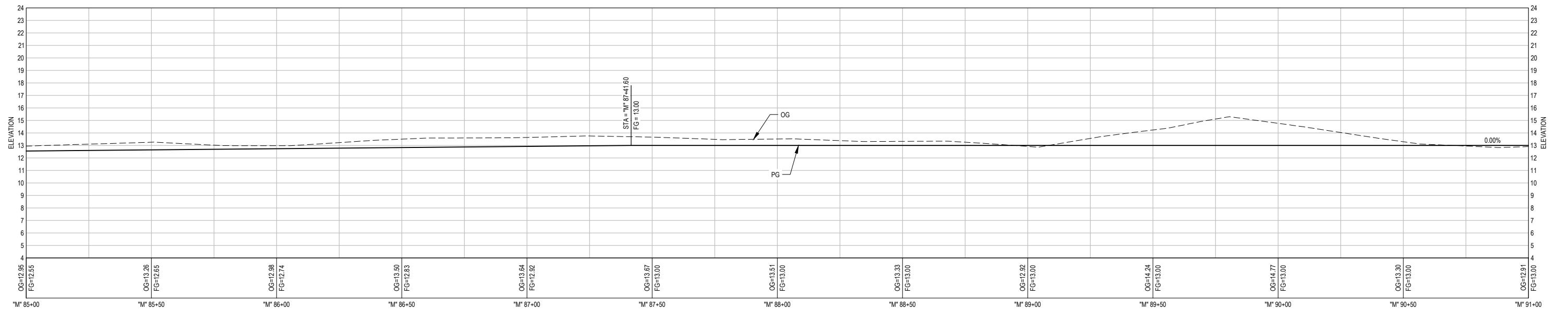
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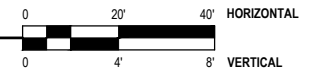
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Project	HUMBOLDT BAY TRAIL SOUTH		
Title	TRAIL PLAN & PROFILE STA "M" 79+00 TO "M" 85+00		
GHD Project No.	11110166 & 11218356		
Original Size	ANSI D	Sheet No.	C-115
		Sheet	36 of 108



PLAN VIEW STA "M" 85+00 TO "M" 91+00



PROFILE VIEW STA "M" 85+00 TO "M" 91+00



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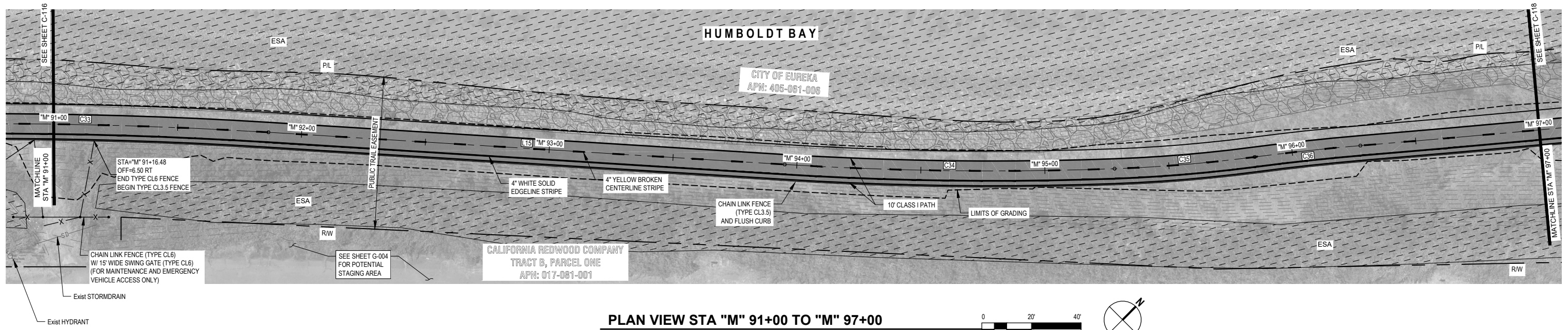
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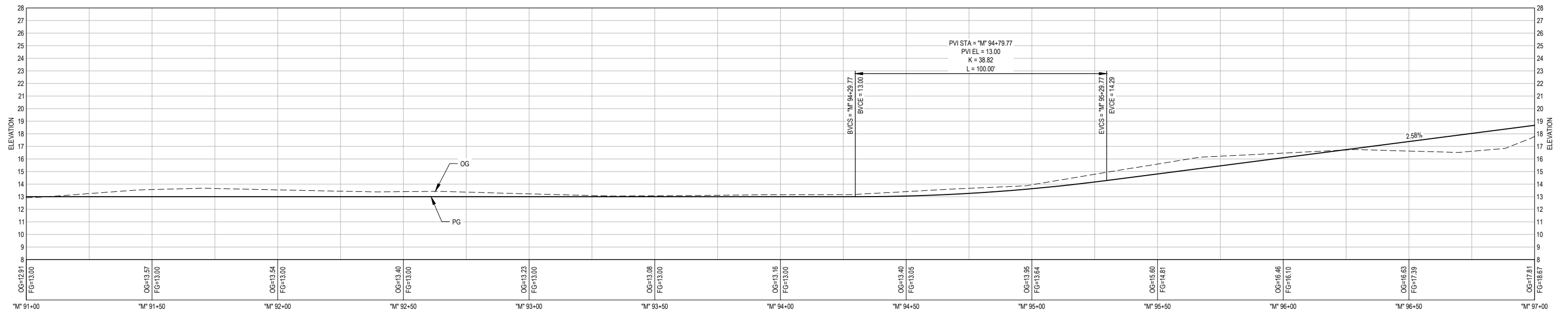
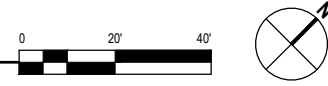
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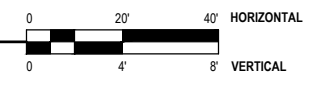
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Title	TRAIL PLAN & PROFILE STA "M" 85+00 TO "M" 91+00		
GHD Project No.	11110166 & 11218356		
Original Size	ANSI D	Sheet No.	C-116
		Sheet	37 of 108



PLAN VIEW STA "M" 91+00 TO "M" 97+00



PROFILE VIEW STA "M" 91+00 TO "M" 97+00



No.	Issue	Drawn	Approved	Date



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0 1"

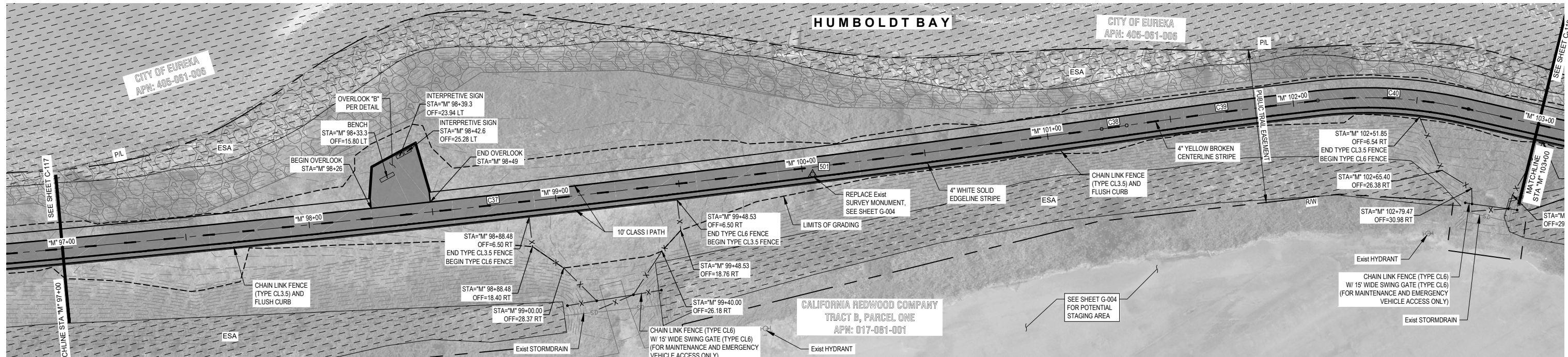
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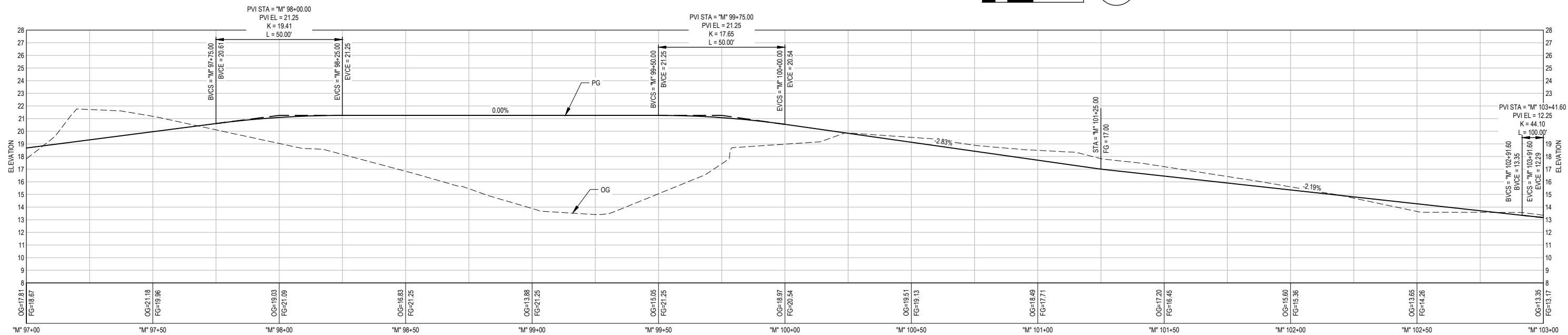
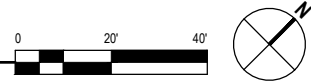
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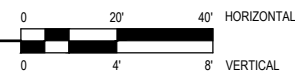
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Title	TRAIL PLAN & PROFILE STA "M" 91+00 TO "M" 97+00		
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Original Size	ANSI D	Sheet No.	C-117
Plot Date: 18 January 2023 - 9:55 PM		Plotted By: Camille Penny	
File Name: I:\ghd\ghd\US\Eureka\Projects\11111110166 Humboldt Bay Trail South PA&ED PS&E\06-CAD\Sheets\11110166_C-110 TO C-117_PLAN PROFILE.dwg			



PLAN VIEW STA "M" 97+00 TO "M" 103+00



PROFILE VIEW STA "M" 97+00 TO "M" 103+00



No.	Issue	Drawn	Approved	Date



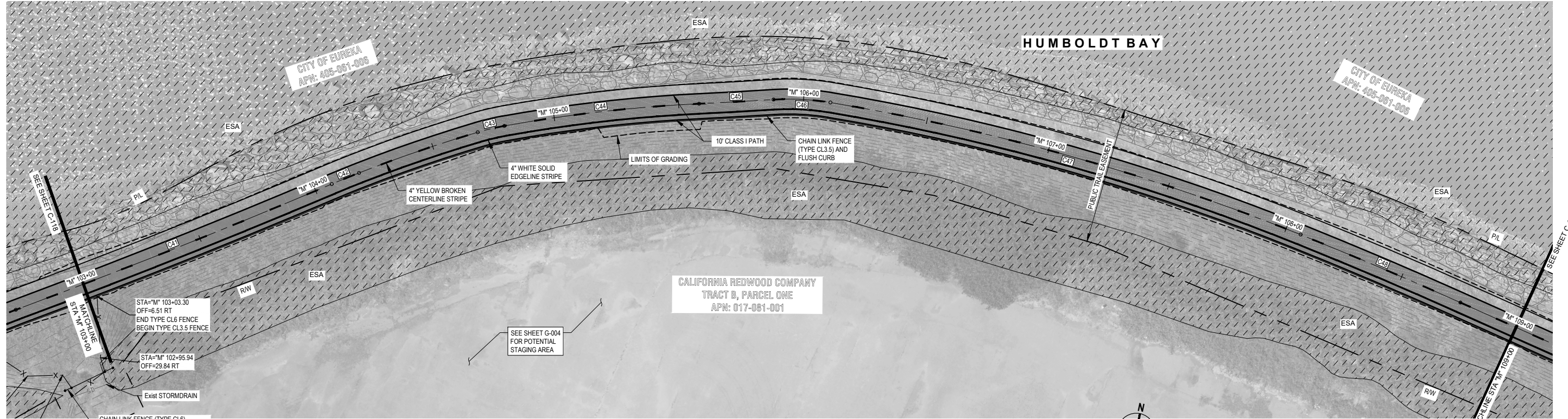
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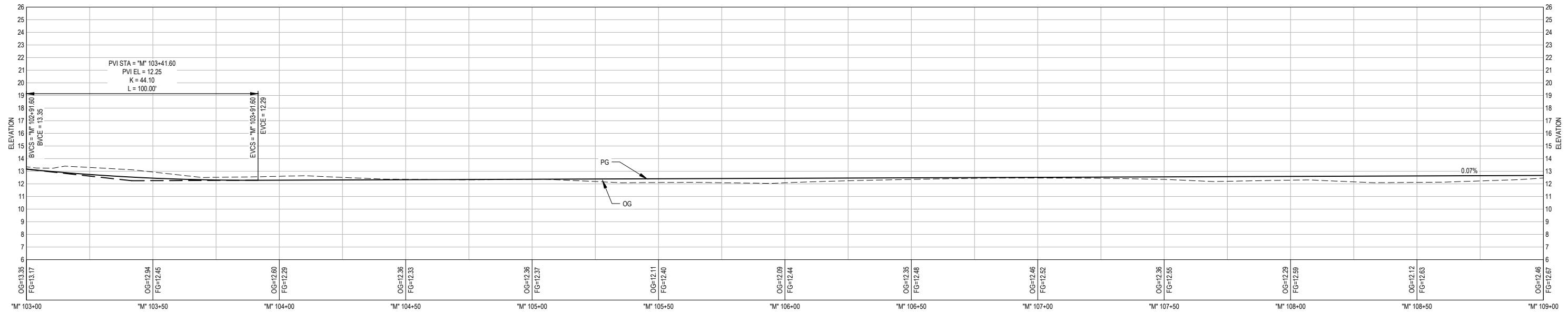
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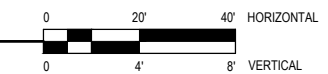
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Title	TRAIL PLAN & PROFILE STA "M" 97+00 TO "M" 103+00		
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Original Size	ANSI D	Sheet No.	C-118
		Sheet	39 of 108



PLAN VIEW STA "M" 103+00 TO "M" 109+00



PROFILE VIEW STA "M" 103+00 TO "M" 109+00



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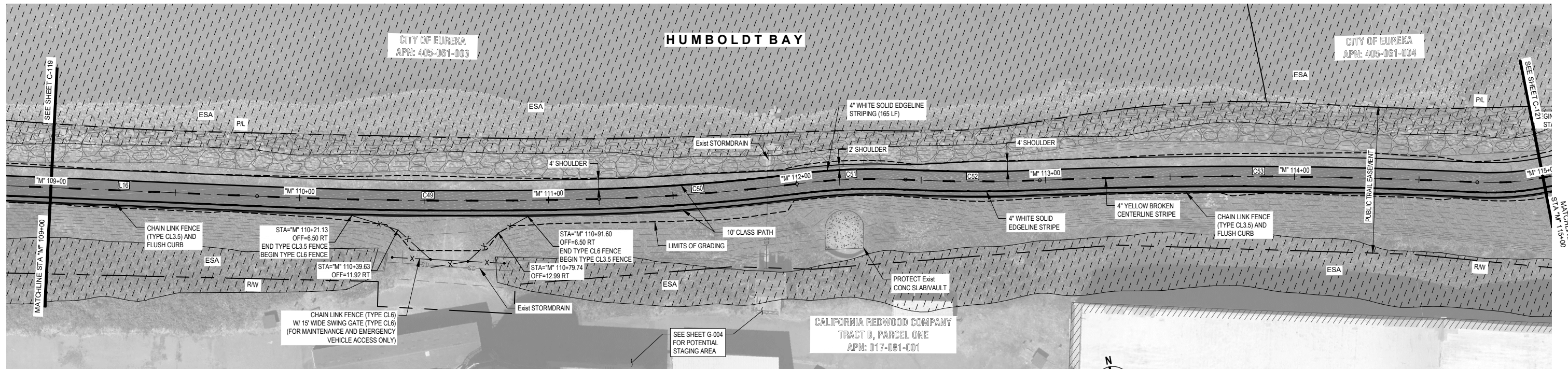
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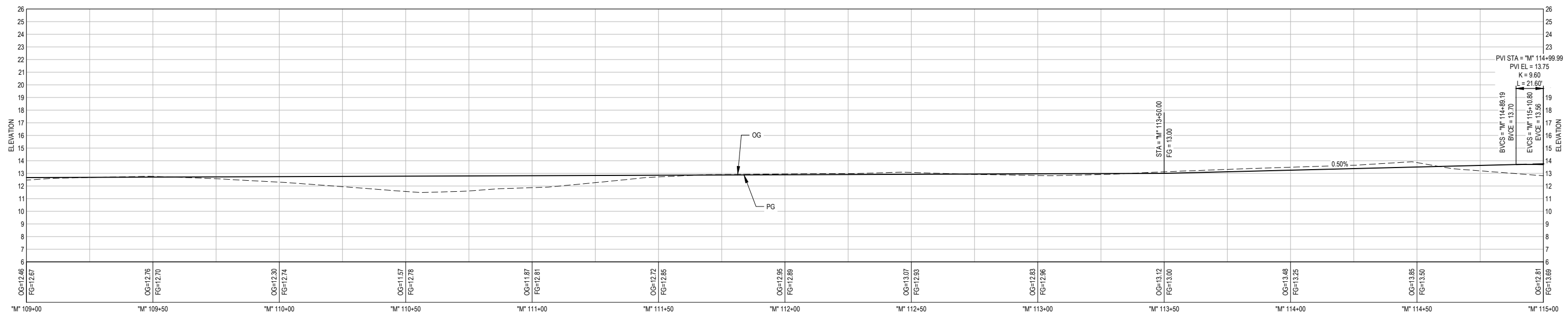
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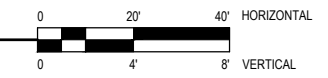
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Title	TRAIL PLAN & PROFILE STA "M" 103+00 TO "M" 109+00		
GHD Project No. 11110166 & 11218356			
Original Size	ANSI D	Sheet No.	C-119
Plot Date: 18 January 2023 - 9:56 PM		Sheet 40 of 108	



PLAN VIEW STA "M" 109+00 TO "M" 115+00



PROFILE VIEW STA "M" 109+00 TO "M" 115+00



No.	Issue	Drawn	Approved	Date



Bar is one inch on original size sheet
0 1"

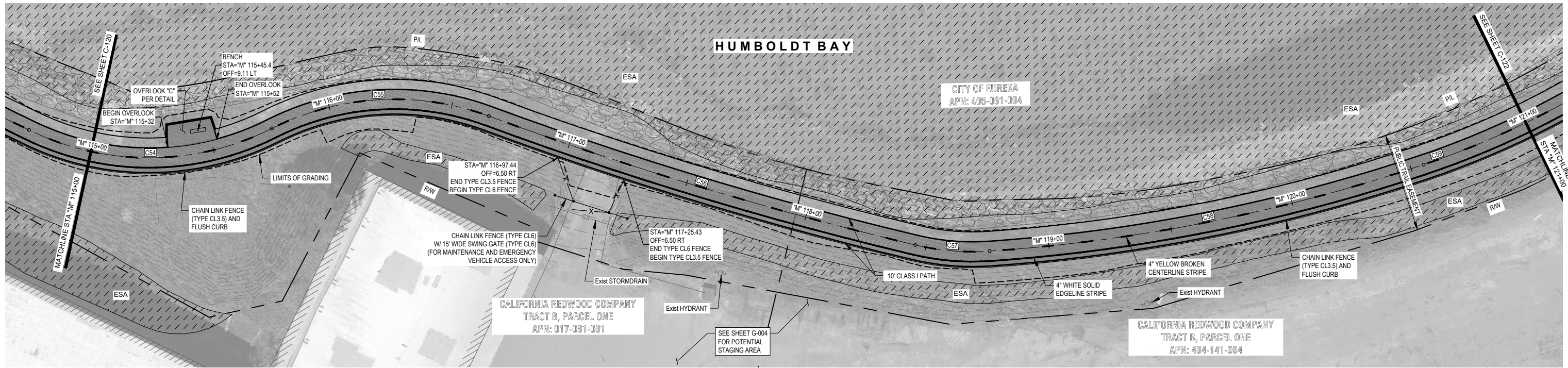
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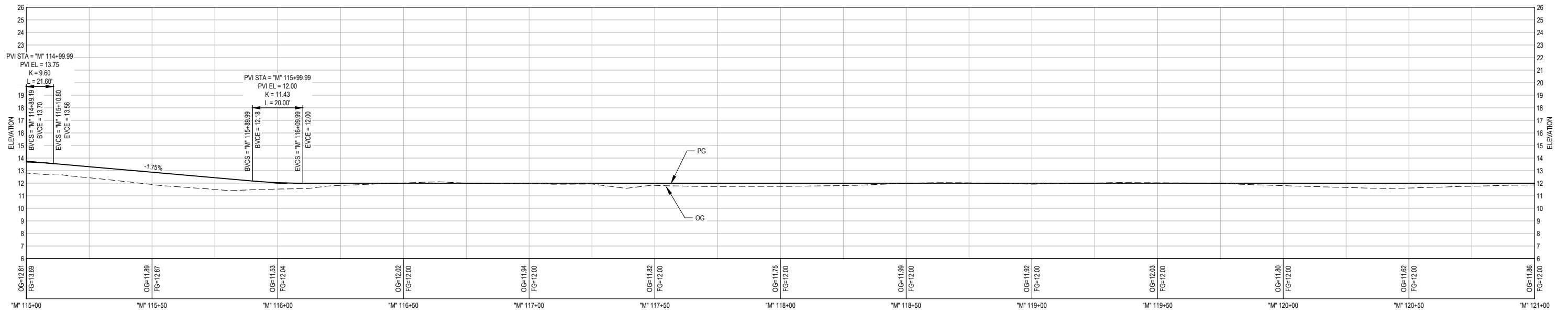
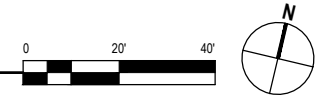
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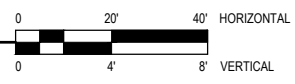
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Title	TRAIL PLAN & PROFILE STA "M" 109+00 TO "M" 115+00		
GHD Project No.	11110166 & 11218356		
Original Size	ANSI D	Sheet No.	C-120
		Sheet	41 of 108



PLAN VIEW STA "M" 115+00 TO "M" 121+00



PROFILE VIEW STA "M" 115+00 TO "M" 121+00



No.	Issue	Drawn	Approved	Date



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0 1"

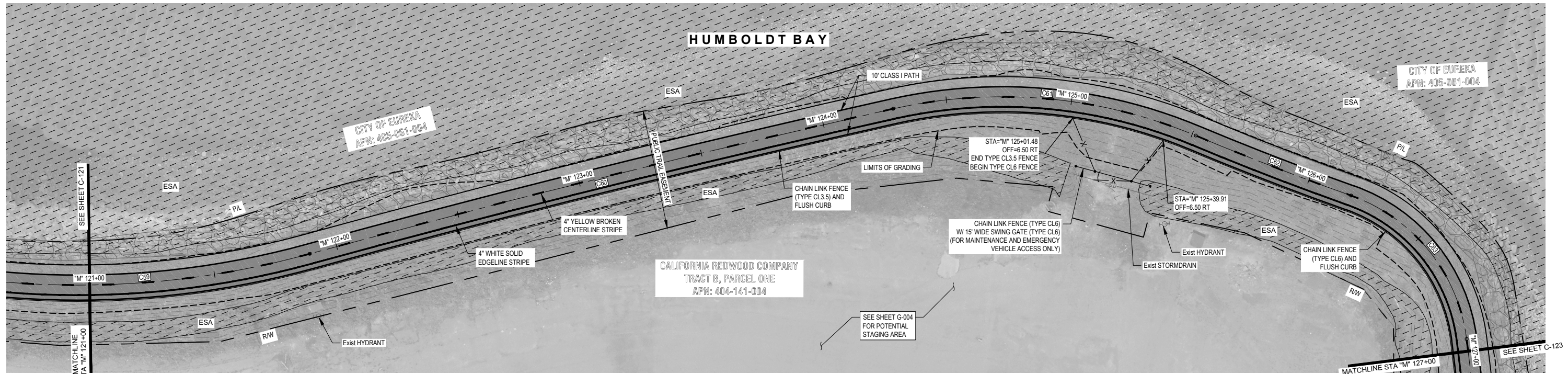
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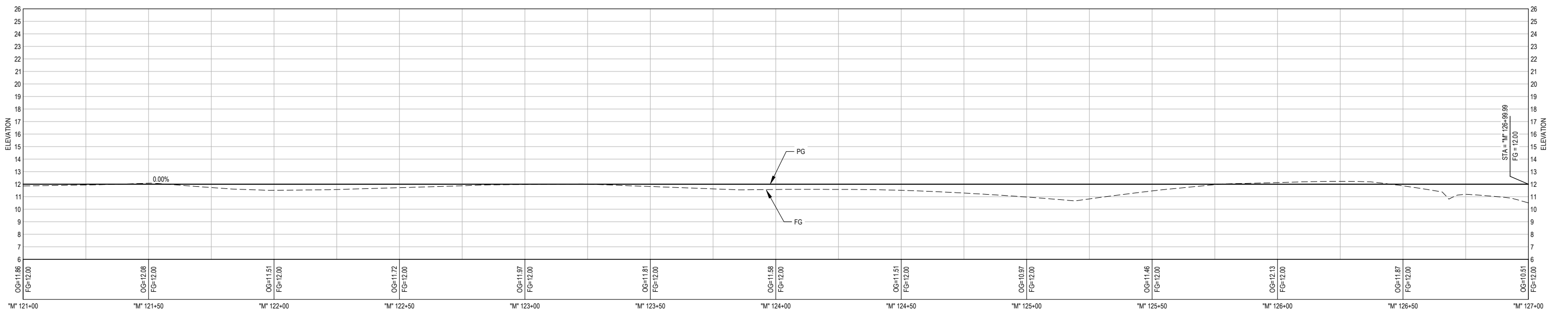
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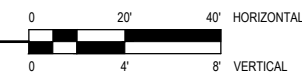
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Title	TRAIL PLAN & PROFILE STA "M" 115+00 TO "M" 121+00
GHD Project No.	11110166 & 11218356
Original Size	ANSI D
Sheet No.	C-121
Sheet	42 of 108



PLAN VIEW STA "M" 121+00 TO "M" 127+00



PROFILE VIEW STA "M" 121+00 TO "M" 127+00



No.	Issue	Drawn	Approved	Date



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0 1"

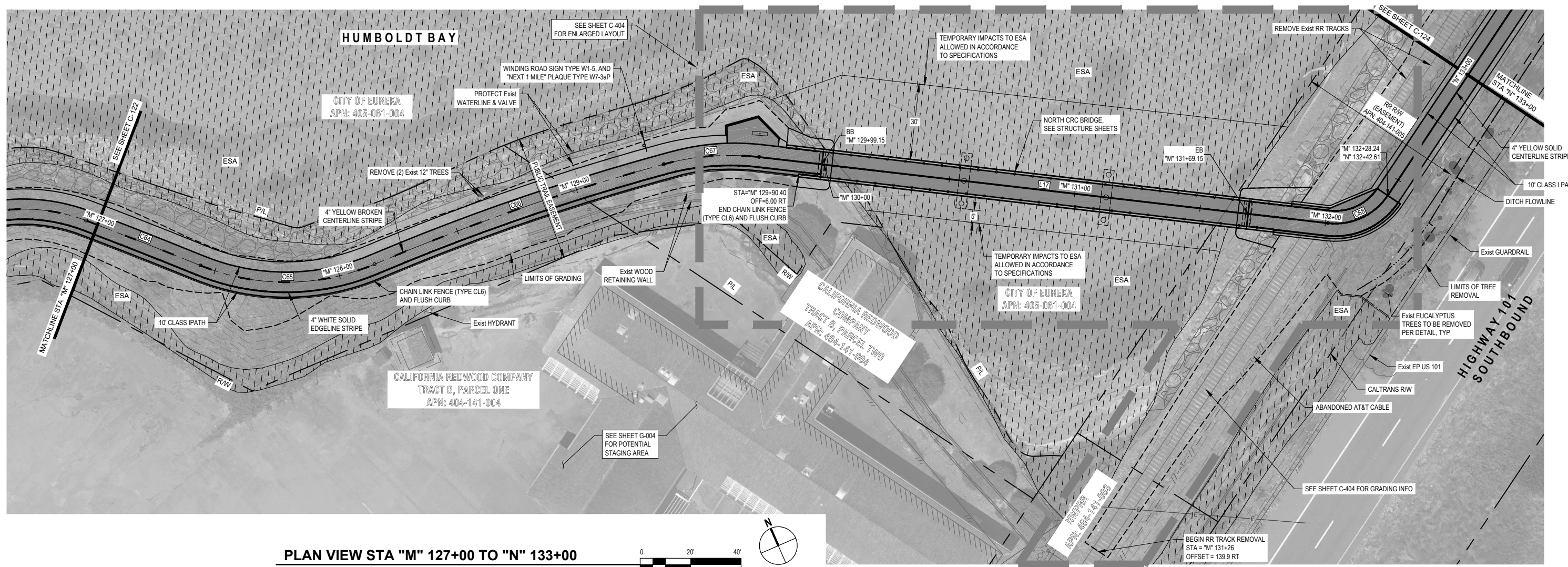
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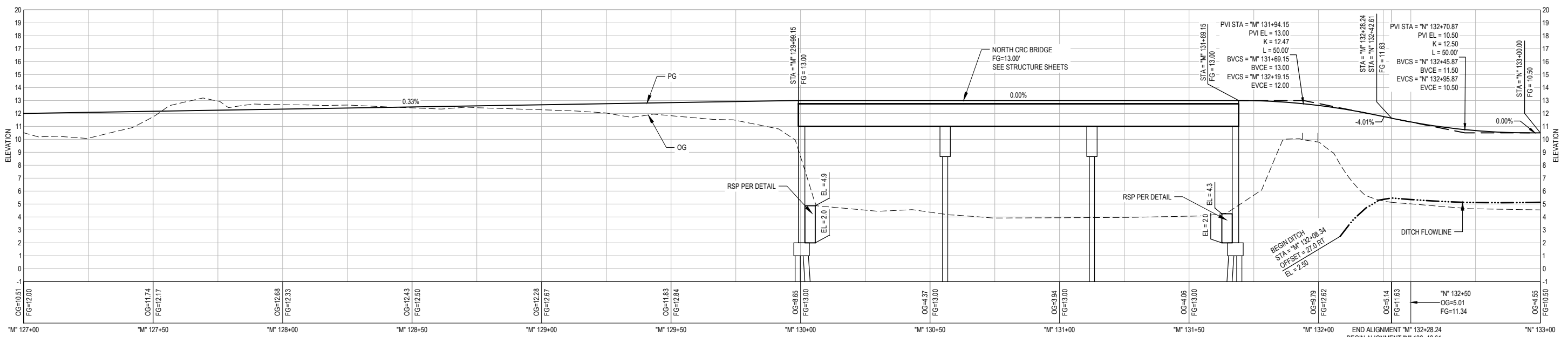
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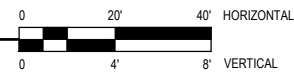
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Title	TRAIL PLAN & PROFILE STA "M" 121+00 TO "M" 127+00
GHD Project No.	11110166 & 11218356
Original Size	ANSI D
Sheet No.	C-122
Sheet	43 of 108



PLAN VIEW STA "M" 127+00 TO "N" 133+00



PROFILE VIEW STA "M" 127+00 TO "N" 133+00



No.	Issue	Drawn	Approved	Date



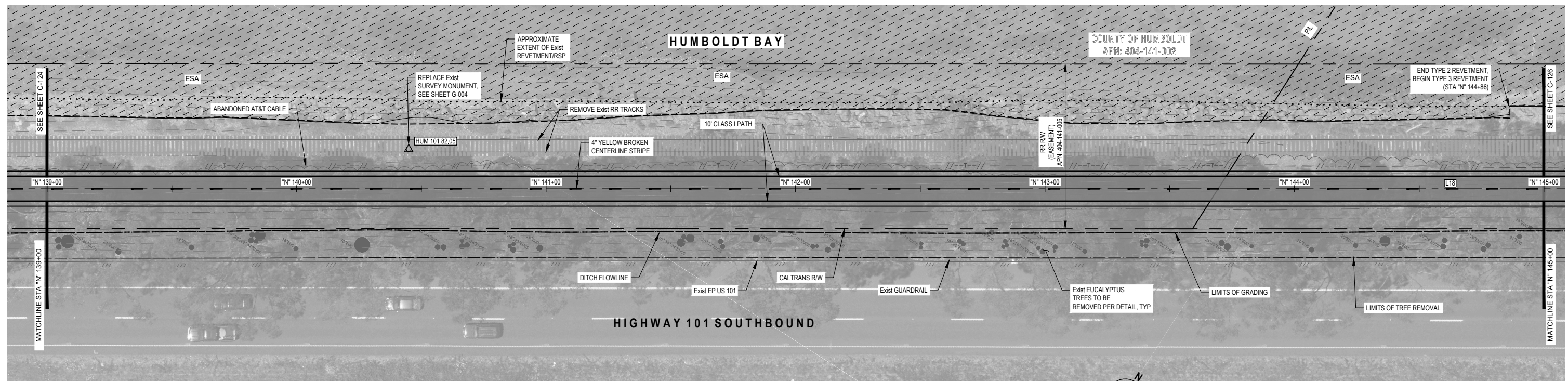
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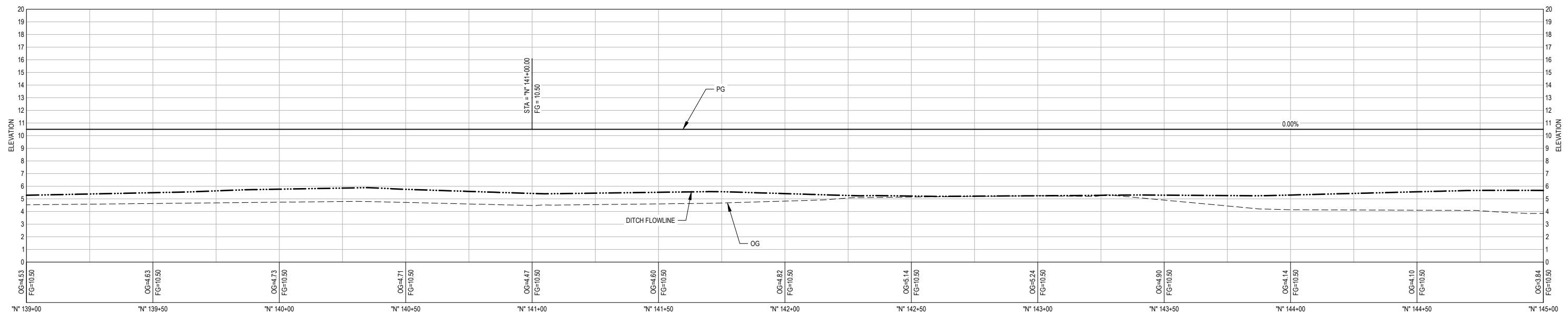
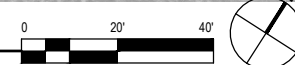
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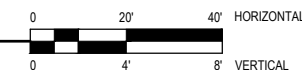
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Project	HUMBOLDT BAY TRAIL SOUTH
Title	TRAIL PLAN & PROFILE STA "M" 127+00 TO "N" 133+00
GHD Project No.	11110166 & 11218356
Original Size	ANSI D
Sheet No.	C-123
Sheet	44 of 108



PLAN VIEW STA "N" 139+00 TO "N" 145+00



PROFILE VIEW STA "N" 139+00 TO "N" 145+00



No.	Issue	Drawn	Approved	Date



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0 1"

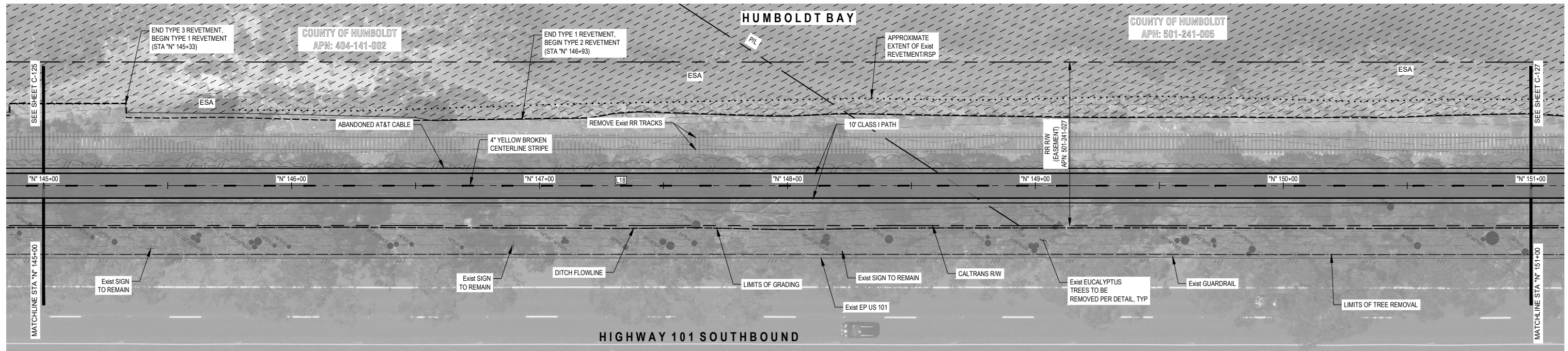
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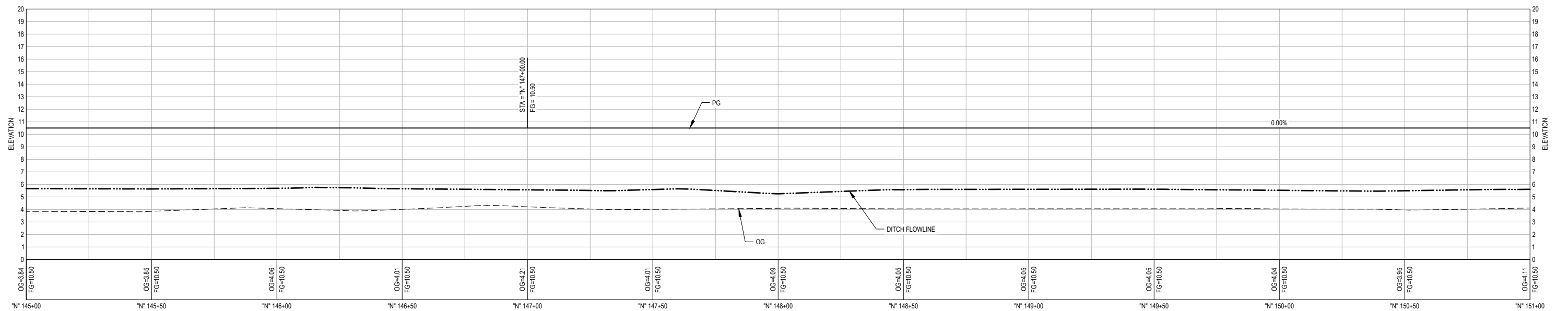
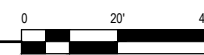
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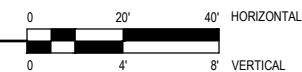
Client	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS	
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Title	TRAIL PLAN & PROFILE STA "N" 139+00 TO "N" 145+00	
GHD Project No.	11110166 & 11218356	
Original Size	ANSI D	Sheet No. C-125
Sheet 46 of 108		



PLAN VIEW STA "N" 145+00 TO "N" 151+00



PROFILE VIEW STA "N" 145+00 TO "N" 151+00



No.	Issue	Drawn	Approved	Date



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0 1"

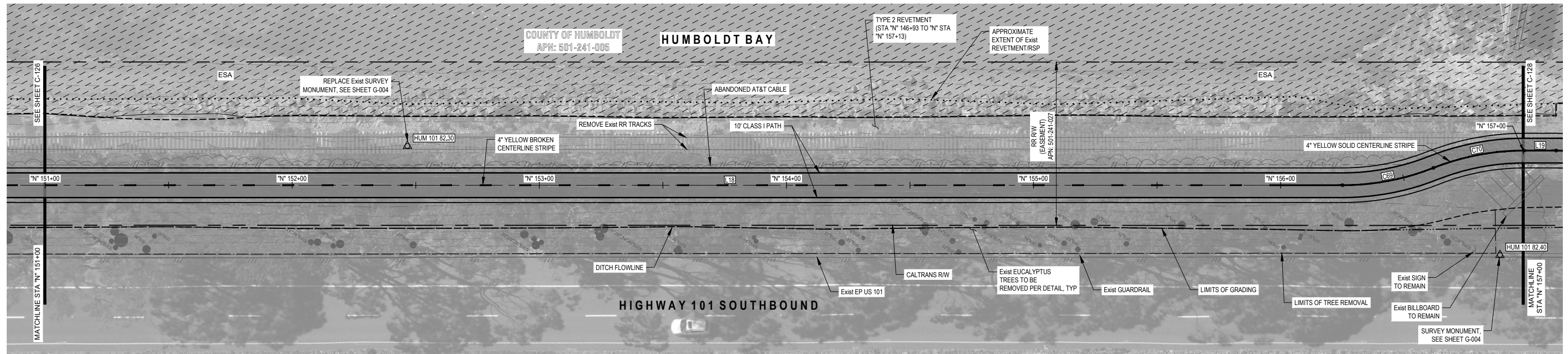
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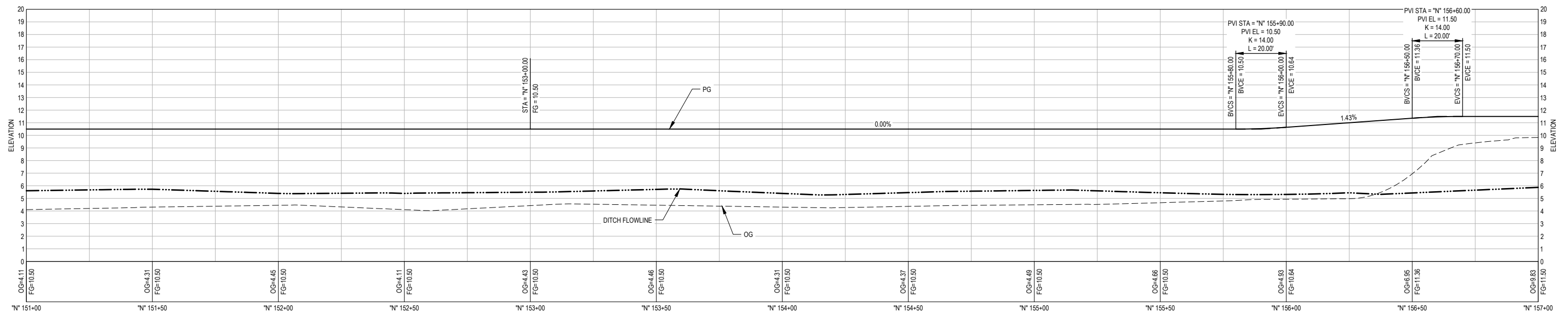
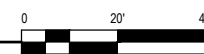
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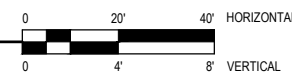
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Title	TRAIL PLAN & PROFILE STA "N" 145+00 TO "N" 151+00		
GHD Project No. 11110166 & 11218356			
Original Size	ANSI D	Sheet No.	C-126
Plot Date: 19 January 2023 - 10:00 PM		Sheet 47 of 108	



PLAN VIEW STA "N" 151+00 TO "N" 157+00



PROFILE VIEW STA "N" 151+00 TO "N" 157+00



No.	Issue	Drawn	Approved	Date



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0 1"

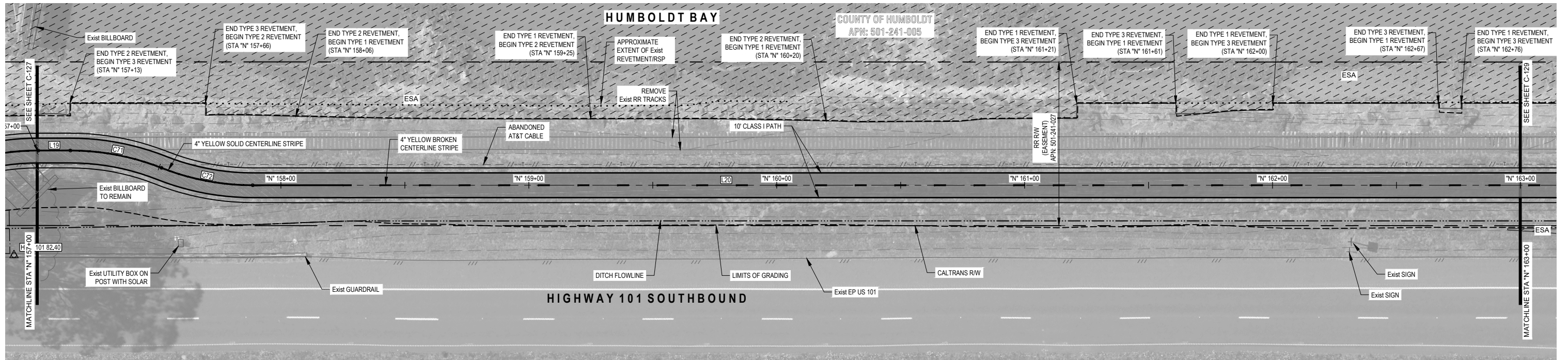
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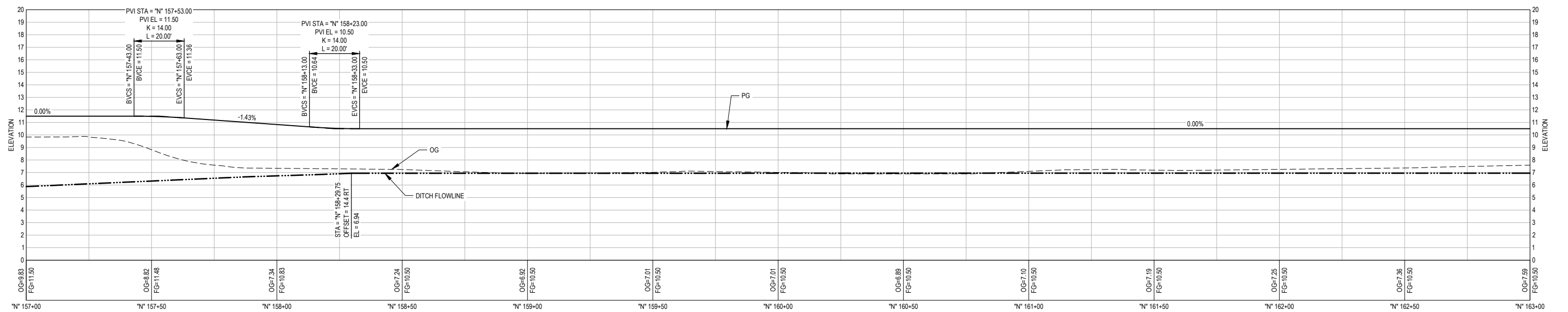
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Original Size	ANSI D
Sheet No.	C-127
Sheet	48 of 108



PLAN VIEW STA "N" 157+00 TO "N" 163+00



PROFILE VIEW STA "N" 157+00 TO "N" 163+00



No.	Issue	Drawn	Approved	Date



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0 1"

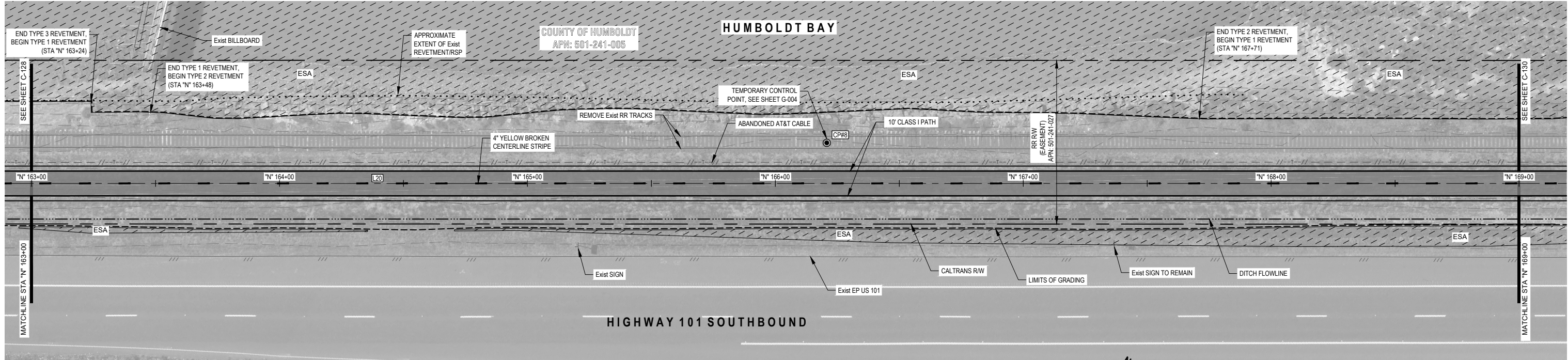
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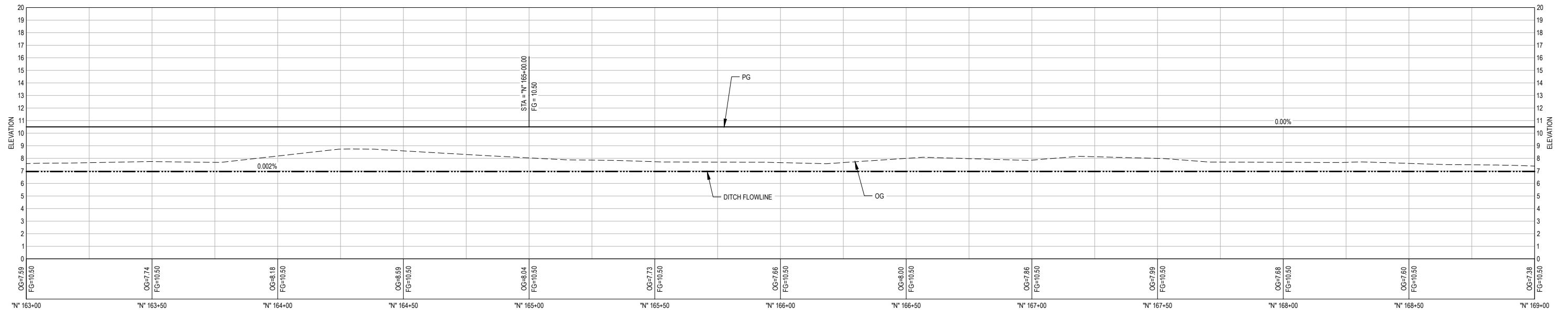
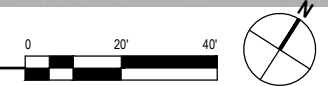
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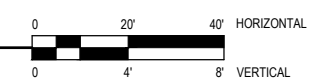
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Project	HUMBOLDT BAY TRAIL SOUTH		
Title	TRAIL PLAN & PROFILE STA "N" 157+00 TO "N" 163+00		
GHD Project No.	11110166 & 11218356		
Original Size	ANSI D	Sheet No.	C-128
		Scale	AS SHOWN
		Sheet	49 of 108



PLAN VIEW STA "N" 163+00 TO "N" 169+00



PROFILE VIEW STA "N" 163+00 TO "N" 169+00



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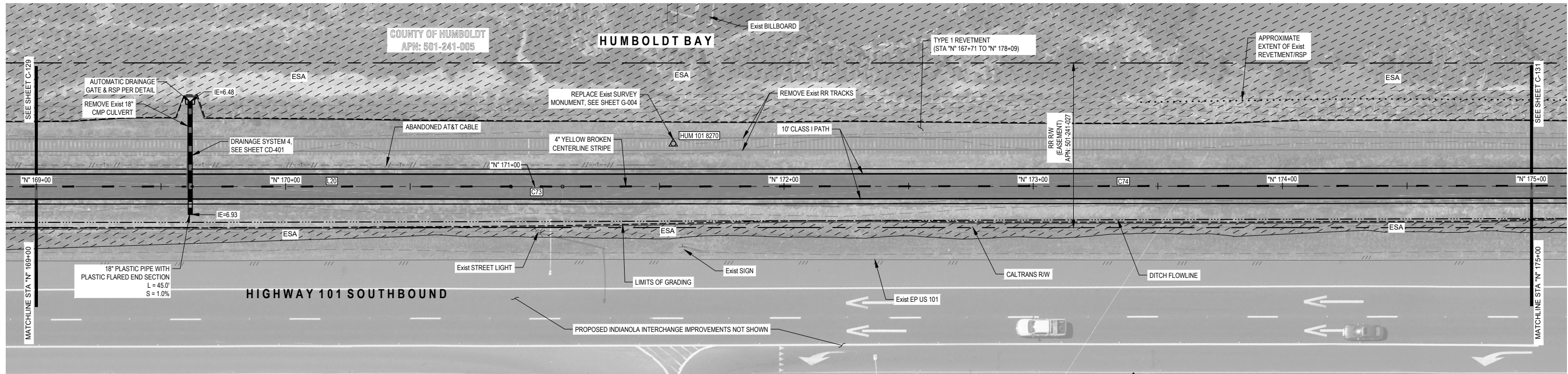
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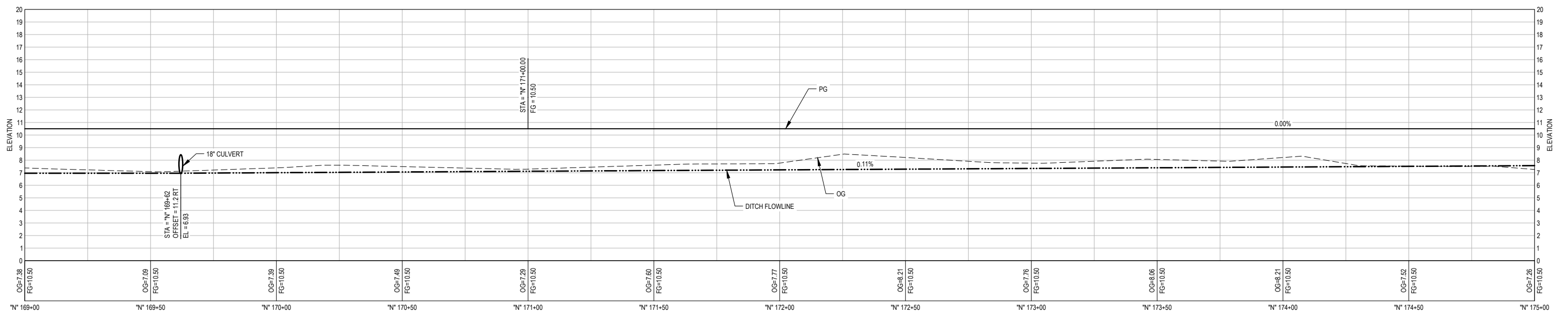
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Project Manager	J. WOLF	Date	12/23/2022
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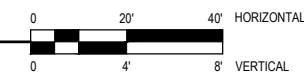
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Project	HUMBOLDT BAY TRAIL SOUTH		
Title	TRAIL PLAN & PROFILE STA "N" 163+00 TO "N" 169+00		
GHD Project No. 11110166 & 11218356			
Original Size	ANSI D	Sheet No.	C-129
Sheet 50 of 108			



PLAN VIEW STA "N" 169+00 TO "N" 175+00



PROFILE VIEW STA "N" 169+00 TO "N" 175+00



No.	Issue	Drawn	Approved	Date



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0 1"

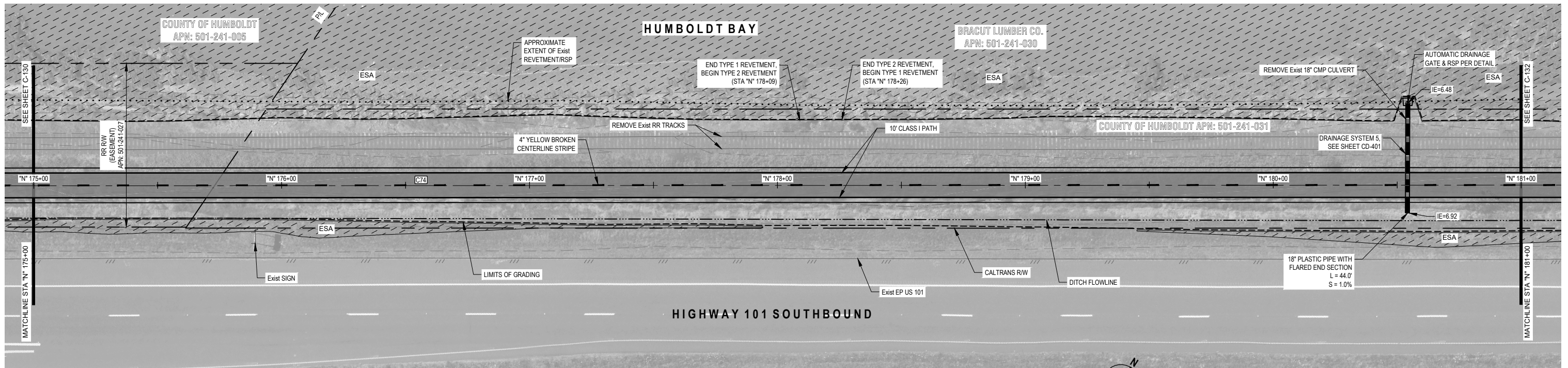
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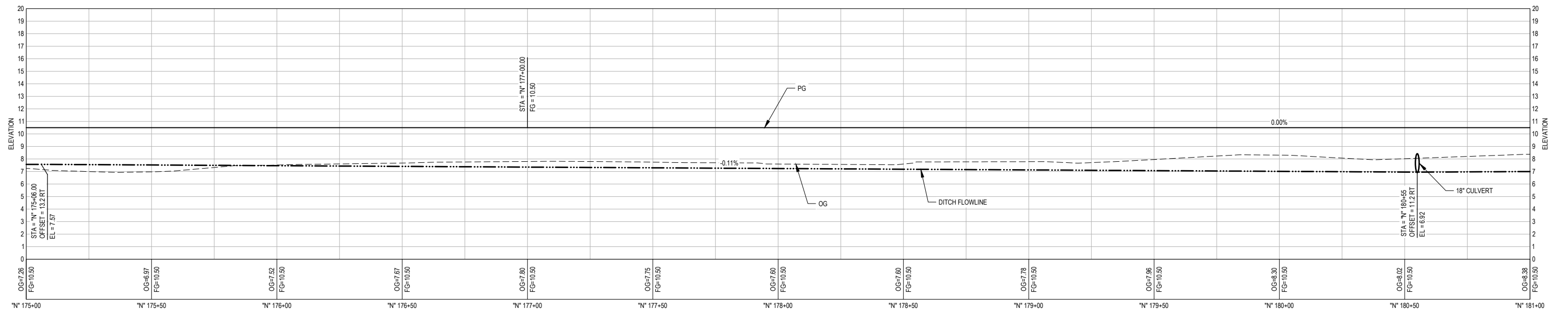
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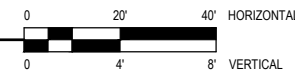
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Project	HUMBOLDT BAY TRAIL SOUTH		
Title	TRAIL PLAN & PROFILE STA "N" 169+00 TO "N" 175+00		
GHD Project No. 11110166 & 11218356			
Original Size	ANSI D	Sheet No.	C-130
Plot Date: 18 January 2023 - 10:01 PM		Sheet 51 of 108	



PLAN VIEW STA "N" 175+00 TO "N" 181+00



PROFILE VIEW STA "N" 175+00 TO "N" 181+00



No.	Issue	Drawn	Approved	Date



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0 1"

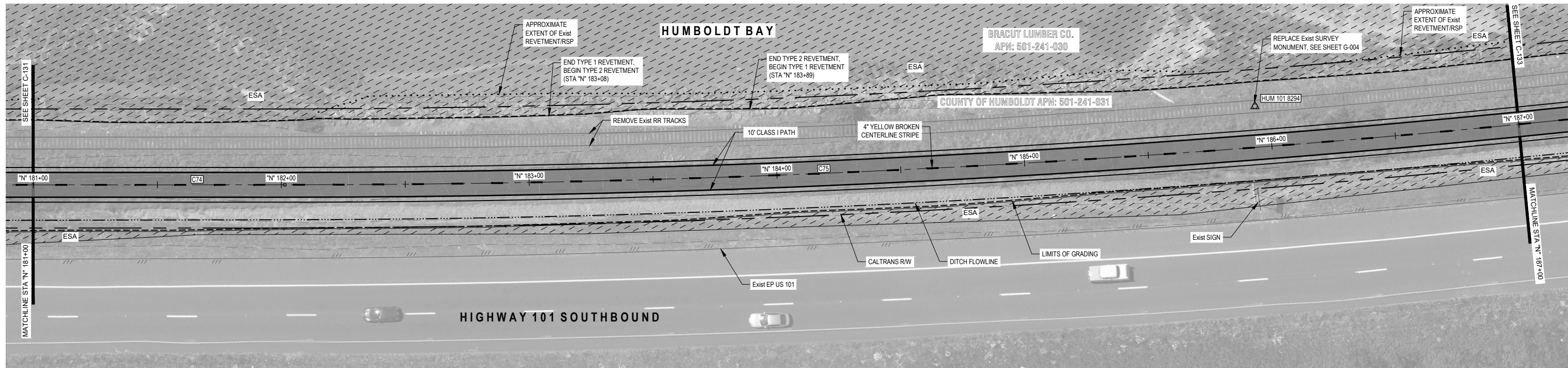
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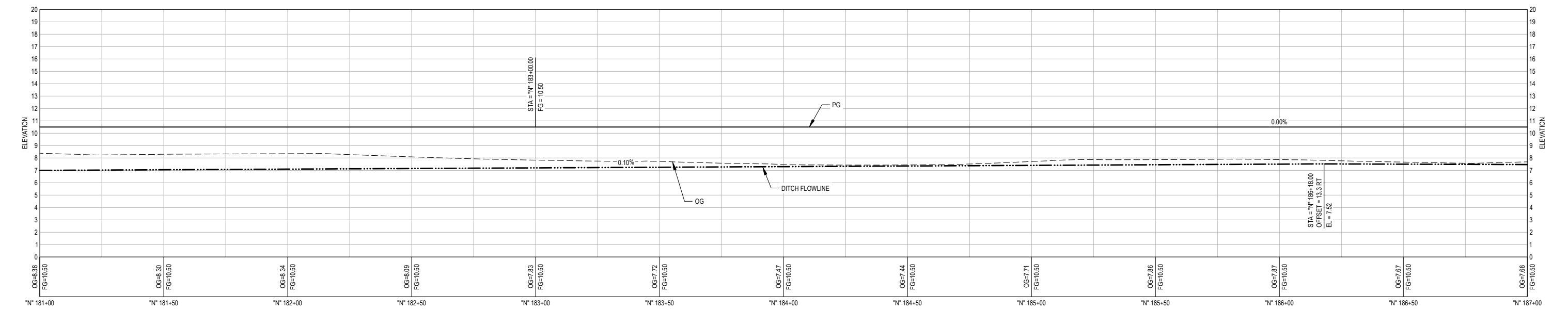
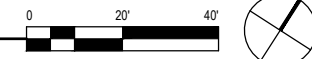
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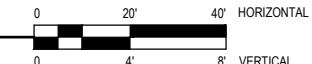
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Project	HUMBOLDT BAY TRAIL SOUTH		
Title	TRAIL PLAN & PROFILE STA "N" 175+00 TO "N" 181+00		
GHD Project No.	11110166 & 11218356		
Original Size	ANSI D	Sheet No.	C-131
		Sheet	52 of 108



PLAN VIEW STA "N" 181+00 TO "N" 187+00



PROFILE VIEW STA "N" 181+00 TO "N" 187+00



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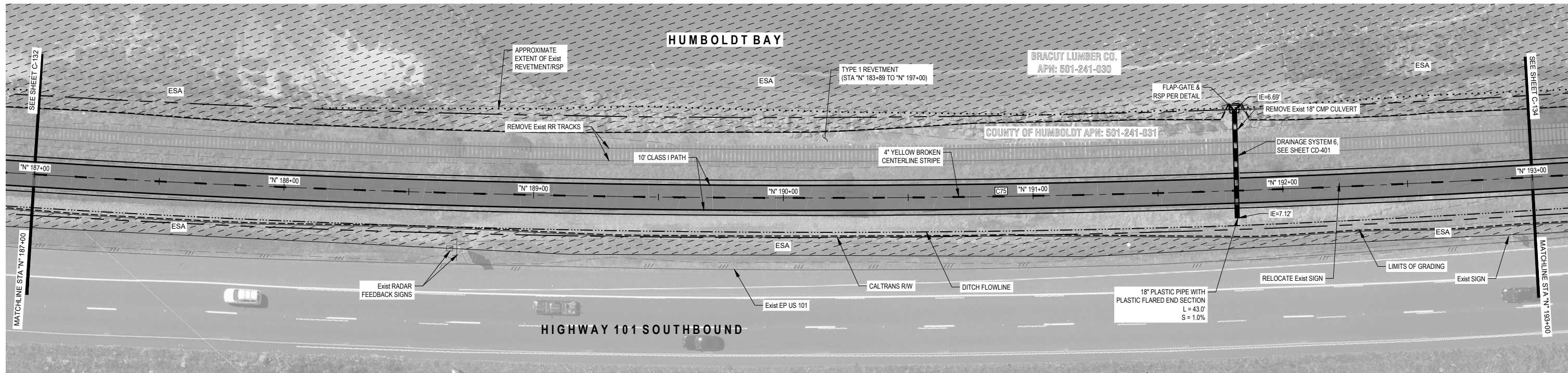


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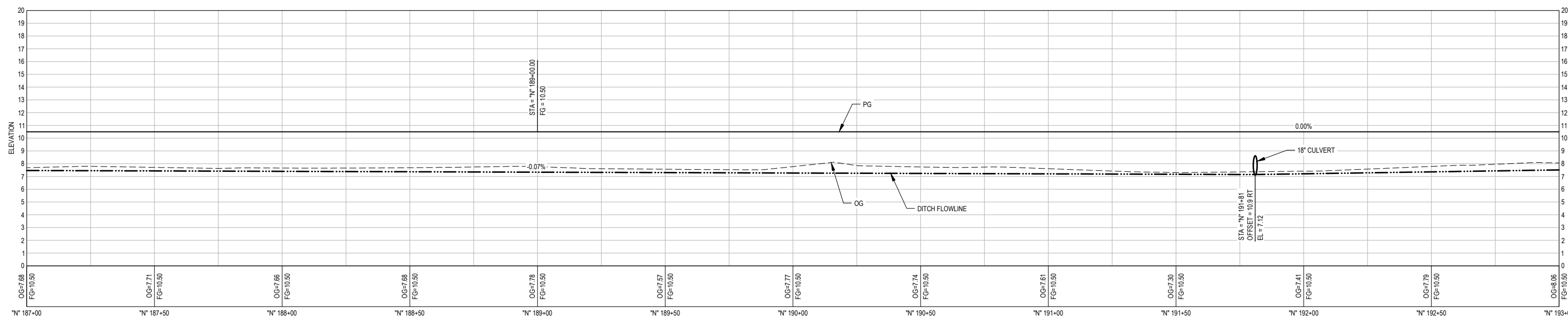
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Title	TRAIL PLAN & PROFILE STA "N" 181+00 TO "N" 187+00		
GHD Project No. 11110166 & 11218356			
Original Size	ANSI D	Sheet No.	C-132
Sheet 53 of 108			

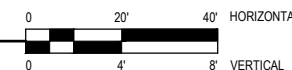
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PLAN VIEW STA "N" 187+00 TO "N" 193+00



PROFILE VIEW STA "N" 187+00 TO "N" 193+00



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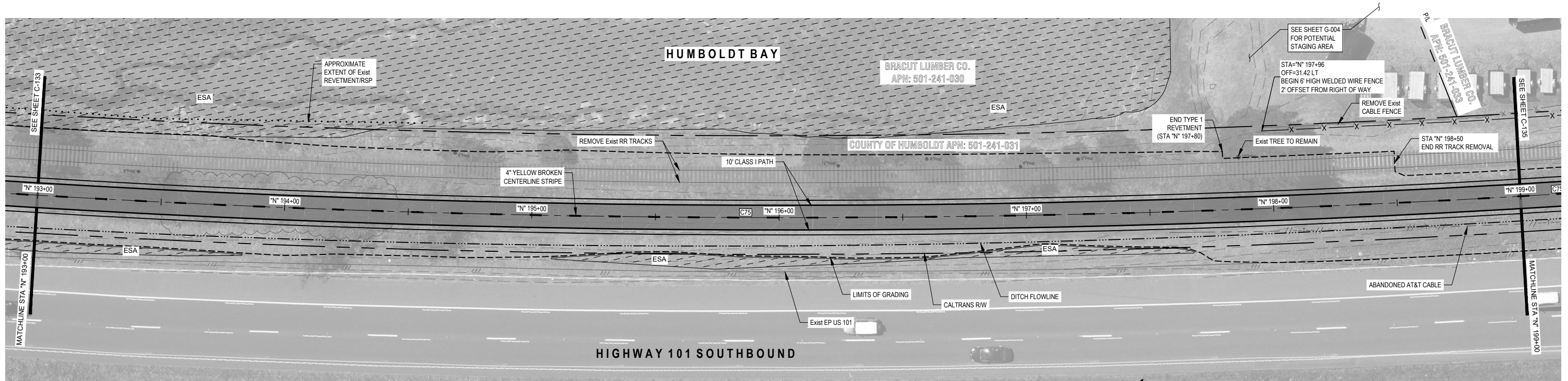


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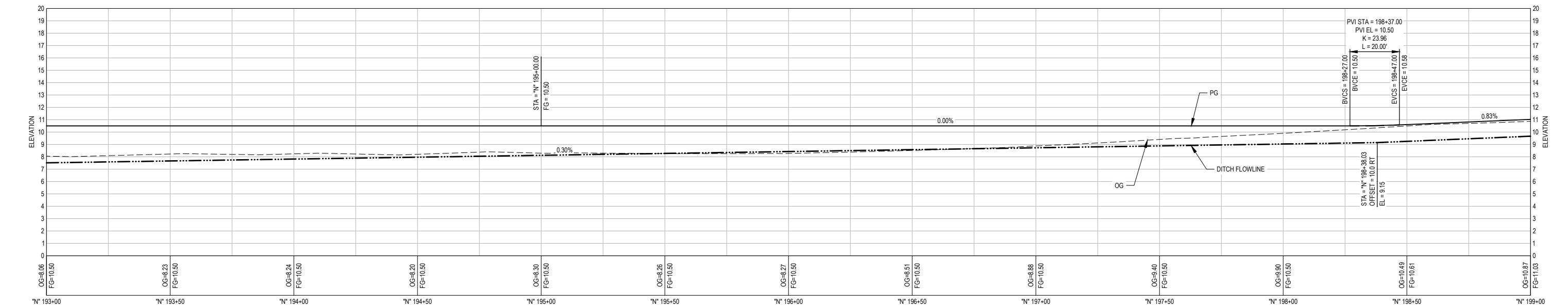
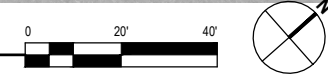
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Title	TRAIL PLAN & PROFILE STA "N" 187+00 TO "N" 193+00		
GHD Project No.	11110166 & 11218356		
Original Size	ANSI D	Sheet No.	C-133
		Sheet	54 of 108

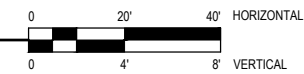
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PLAN VIEW STA "N" 193+00 TO "N" 199+00



PROFILE VIEW STA "N" 193+00 TO "N" 199+00



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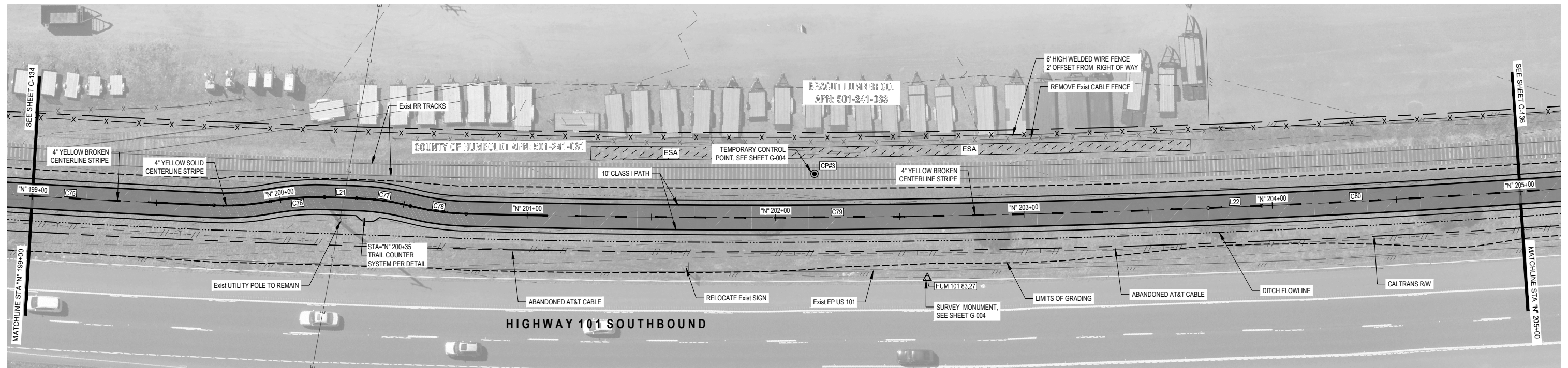


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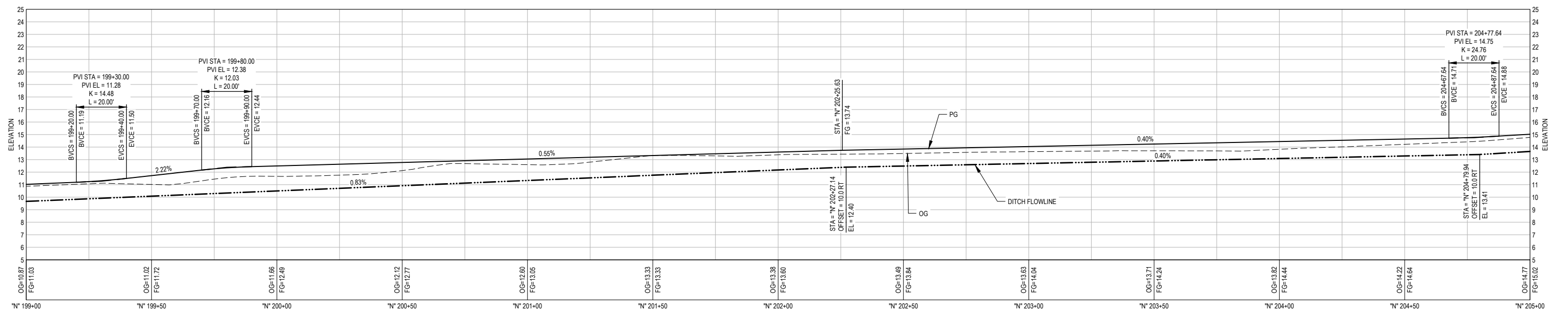
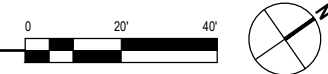
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GHD Project No.	11110166 & 11218356		
Original Size	ANSI D	Sheet No.	C-134
		Sheet	55 of 108

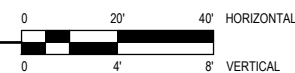
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PLAN VIEW STA "N" 199+00 TO "N" 205+00



PROFILE VIEW STA "N" 199+00 TO "N" 205+00



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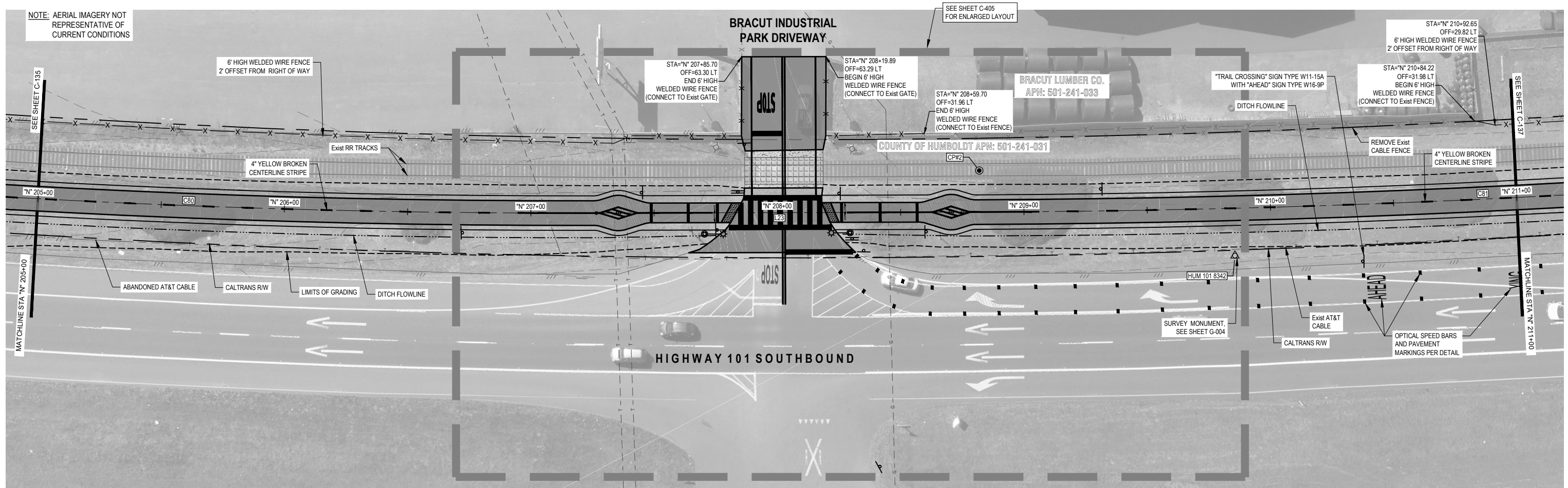
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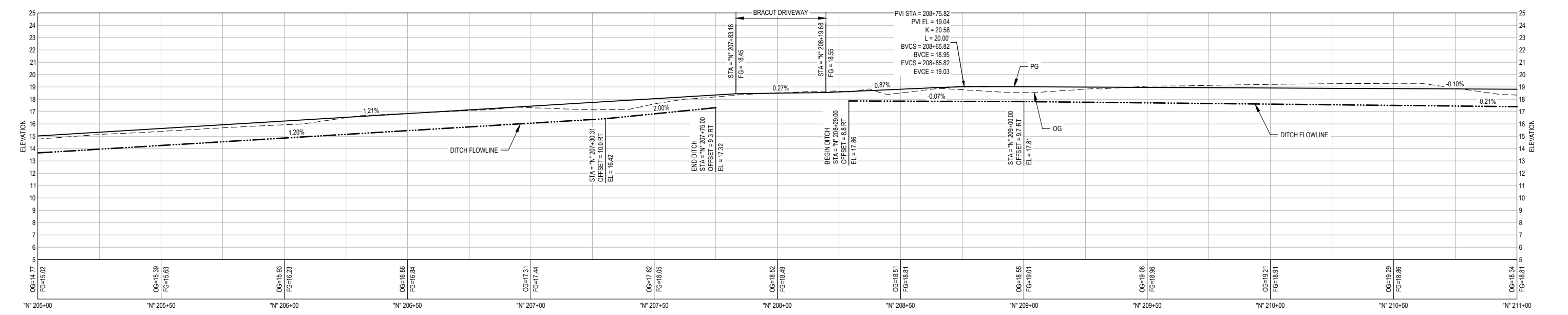
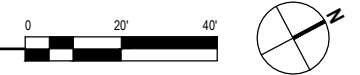
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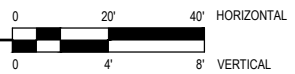
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Title	TRAIL PLAN & PROFILE STA "N" 199+00 TO "N" 205+00
GHD Project No.	11110166 & 11218356
Original Size	ANSI D
Sheet No.	C-135
Sheet	56 of 108



PLAN VIEW STA "N" 205+00 TO "N" 211+00



PROFILE VIEW STA "N" 205+00 TO "N" 211+00



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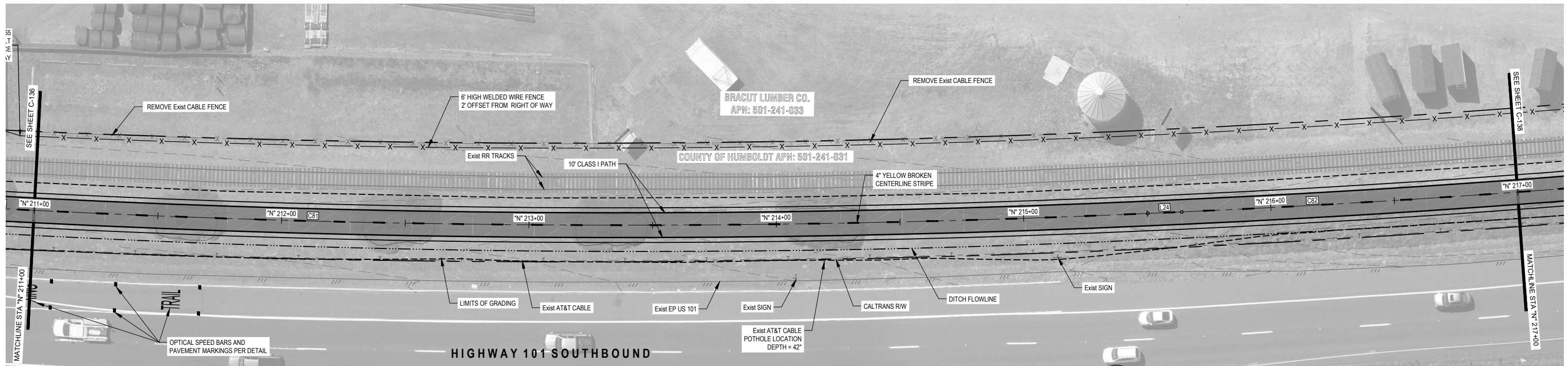


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GHD Project No.	11110166 & 11218356
Original Size	ANSI D
Sheet No.	C-136

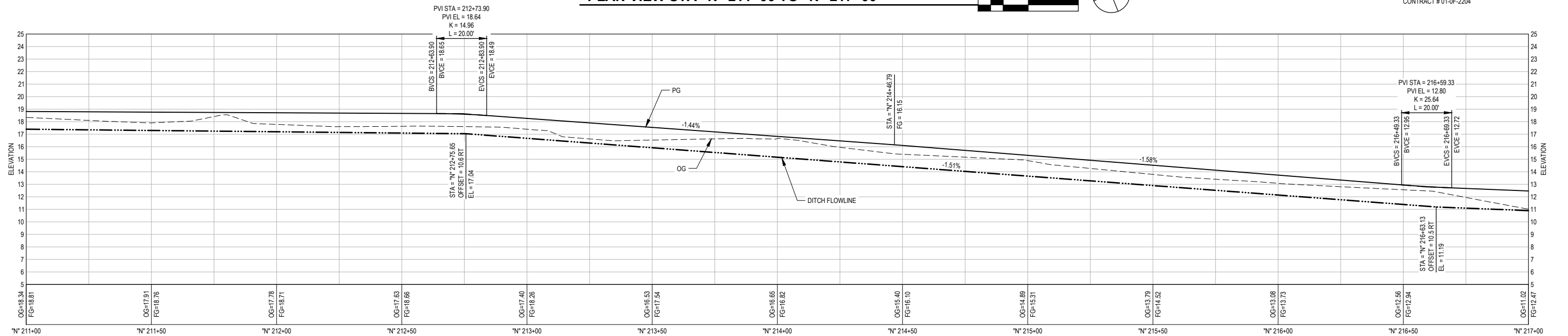
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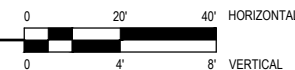
PLAN VIEW STA "N" 211+00 TO "N" 217+00



NOTE: POTHOLE DATA SHOWN HEREON OBTAINED FROM CALTRANS CONTRACT # 01-0F-2204



PROFILE VIEW STA "N" 211+00 TO "N" 217+00



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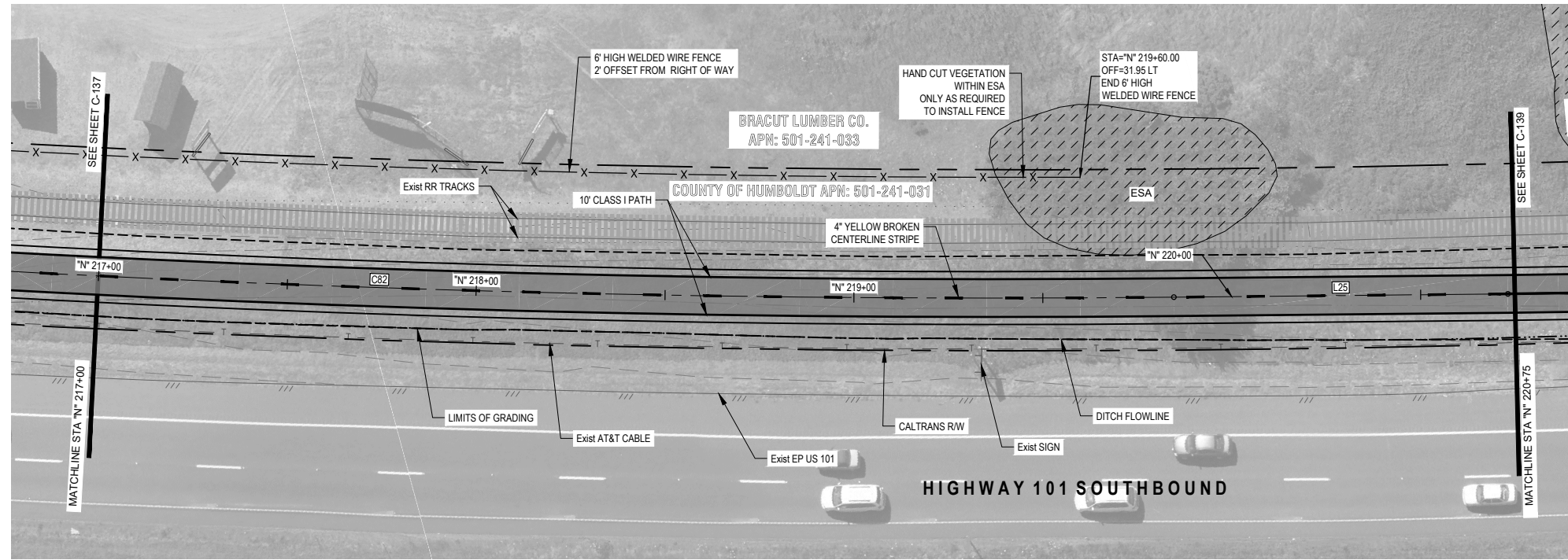
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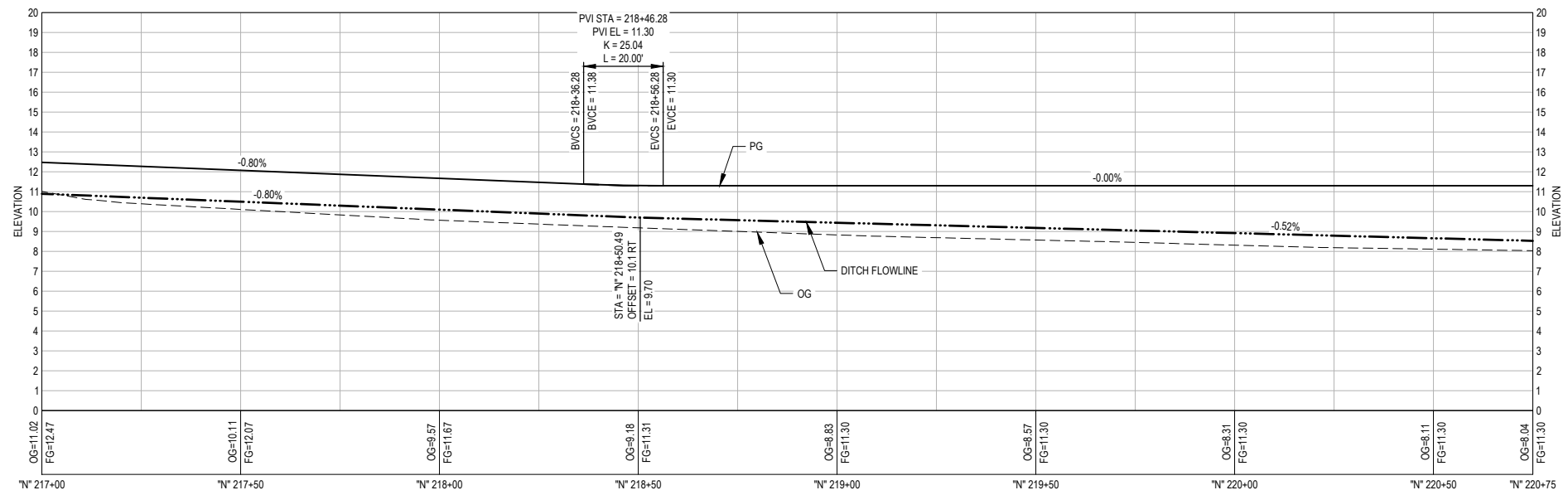
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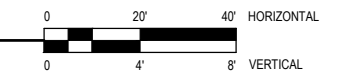
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Title	TRAIL PLAN & PROFILE STA "N" 211+00 TO "N" 217+00		
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Original Size	ANSI D	Sheet No.	C-137
Plot Date: 19 January 2023 - 10:04 PM		Sheet 58 of 108	



PLAN VIEW STA "N" 217+00 TO "N" 220+75



PROFILE VIEW STA "N" 217+00 TO "N" 220+75



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0 1"

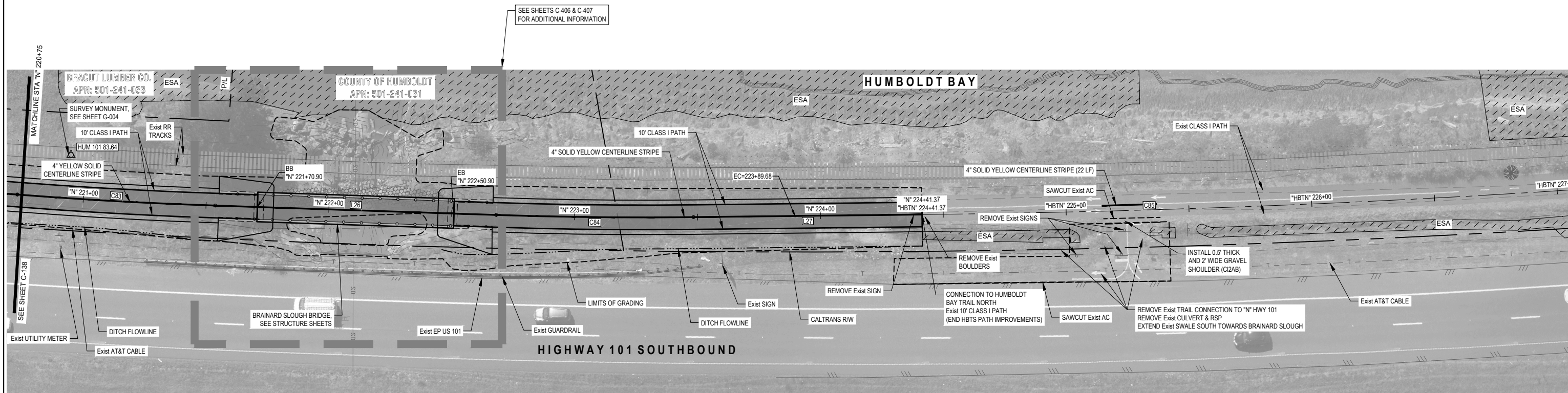
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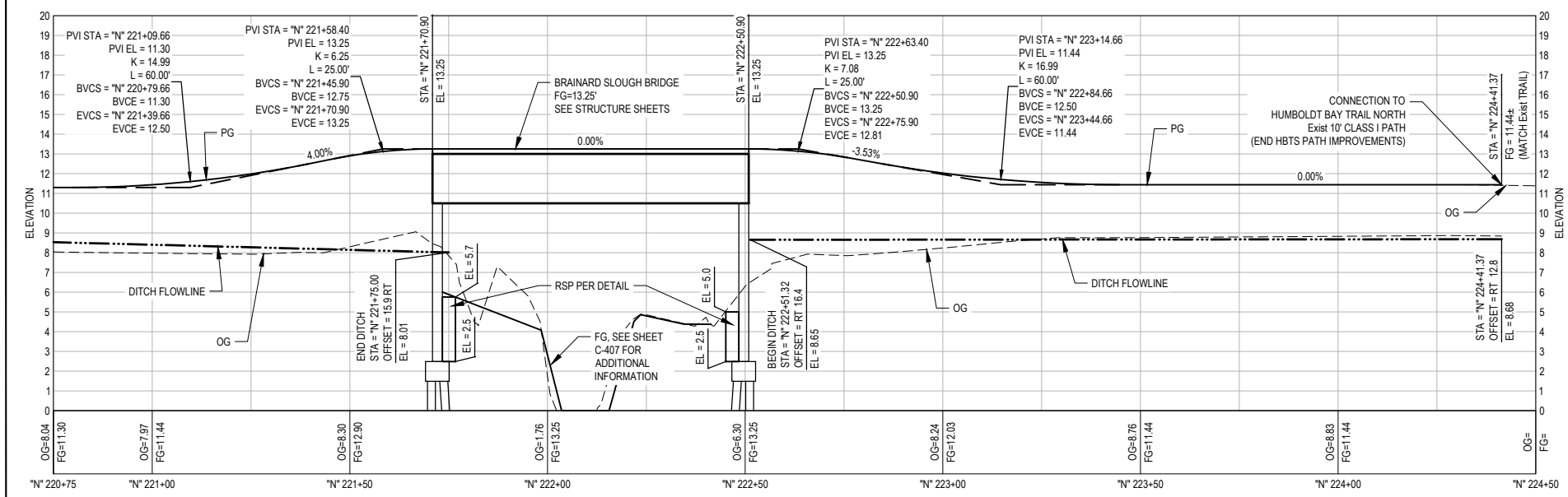
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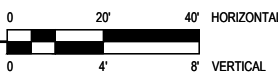
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Project	HUMBOLDT BAY TRAIL SOUTH
Title	TRAIL PLAN & PROFILE STA "N" 217+00 TO "N" 220+75
GHD Project No.	11110166 & 11218356
Original Size	ANSI D
Sheet No.	C-138



PLAN VIEW STA "N" 220+75 TO "HBTN" 227+00



PROFILE VIEW STA "N" 220+75 TO "HBTN" 224+50



No.	Issue	Drawn	Approved	Date



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0 1"

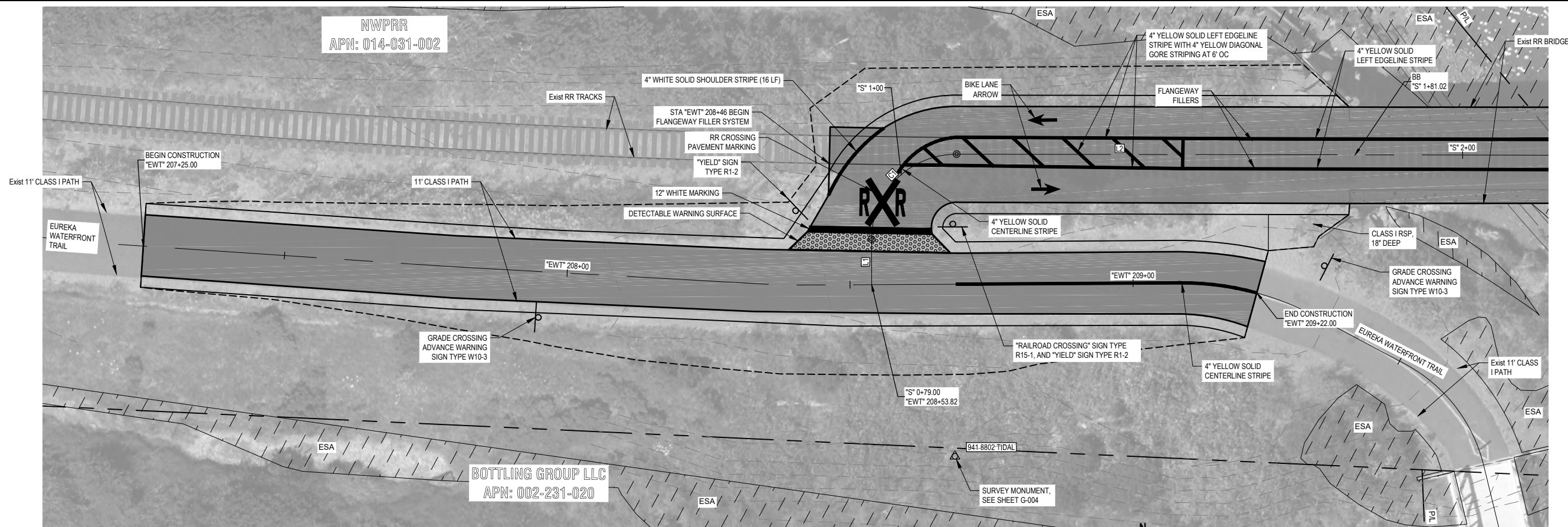
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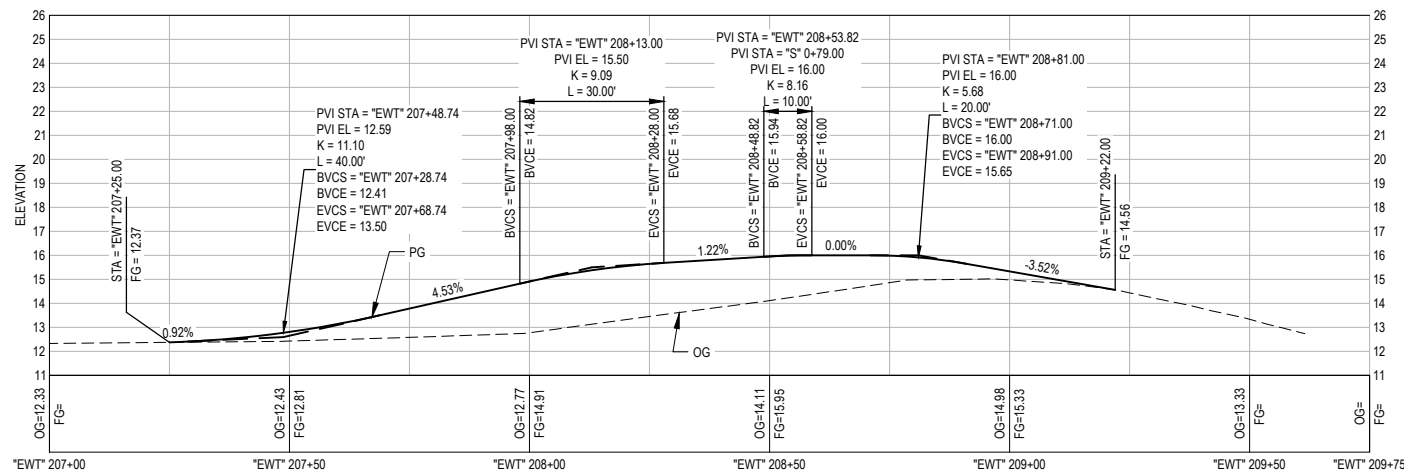
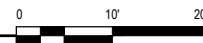
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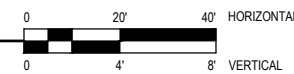
Client	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
Project	HUMBOLDT BAY TRAIL SOUTH
Title	TRAIL PLAN & PROFILE STA "N" 220+75 TO "HBTN" 227+00
GHD Project No.	11110166 & 11218356
Original Size	ANSI D
Sheet No.	C-139
Sheet	60 of 108



CONNECTION TO EUREKA WATERFRONT TRAIL



PROFILE VIEW: EUREKA WATERFRONT TRAIL



No.	Issue	Drawn	Approved	Date



Bar is one inch on original size sheet
0 1"

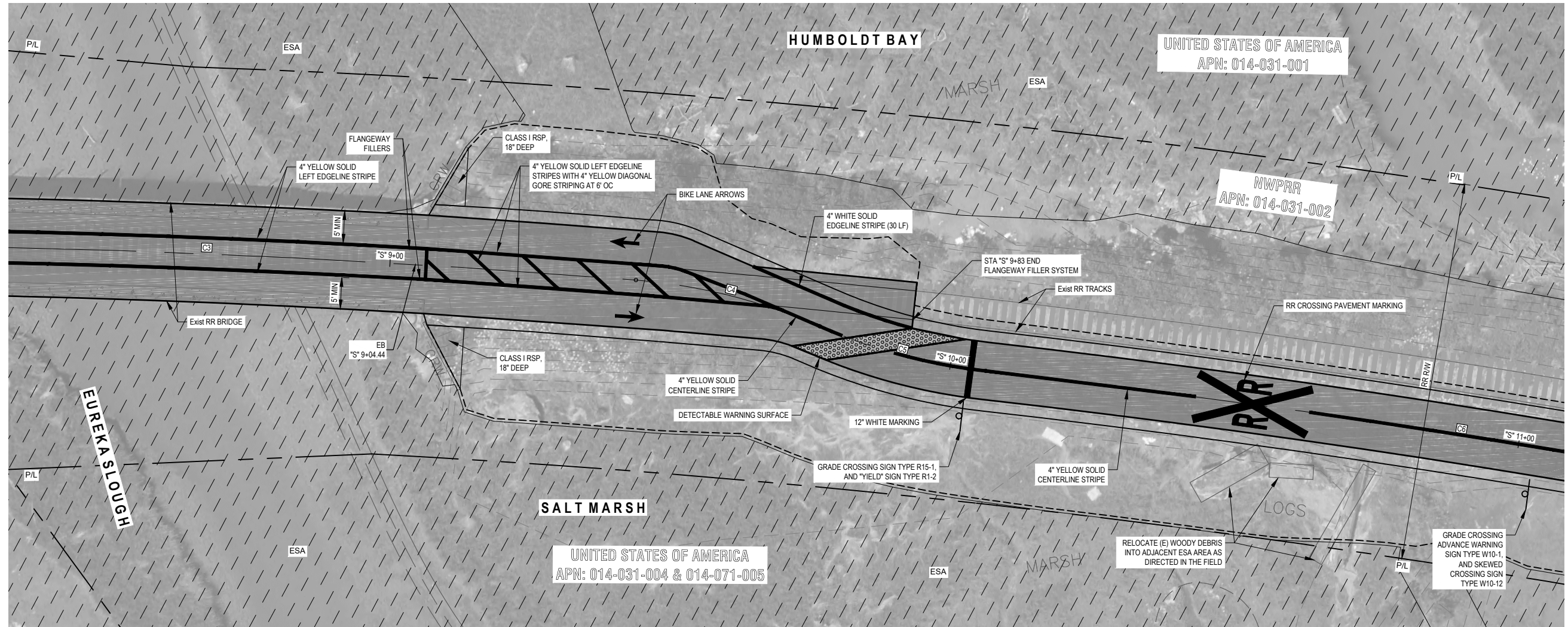
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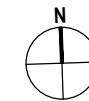
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Title	ENLARGED LAYOUTS: CONNECTION TO EUREKA WATERFRONT TRAIL
GHD Project No.	11110166 & 11218356
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EUREKA SLOUGH NORTH TRAIL



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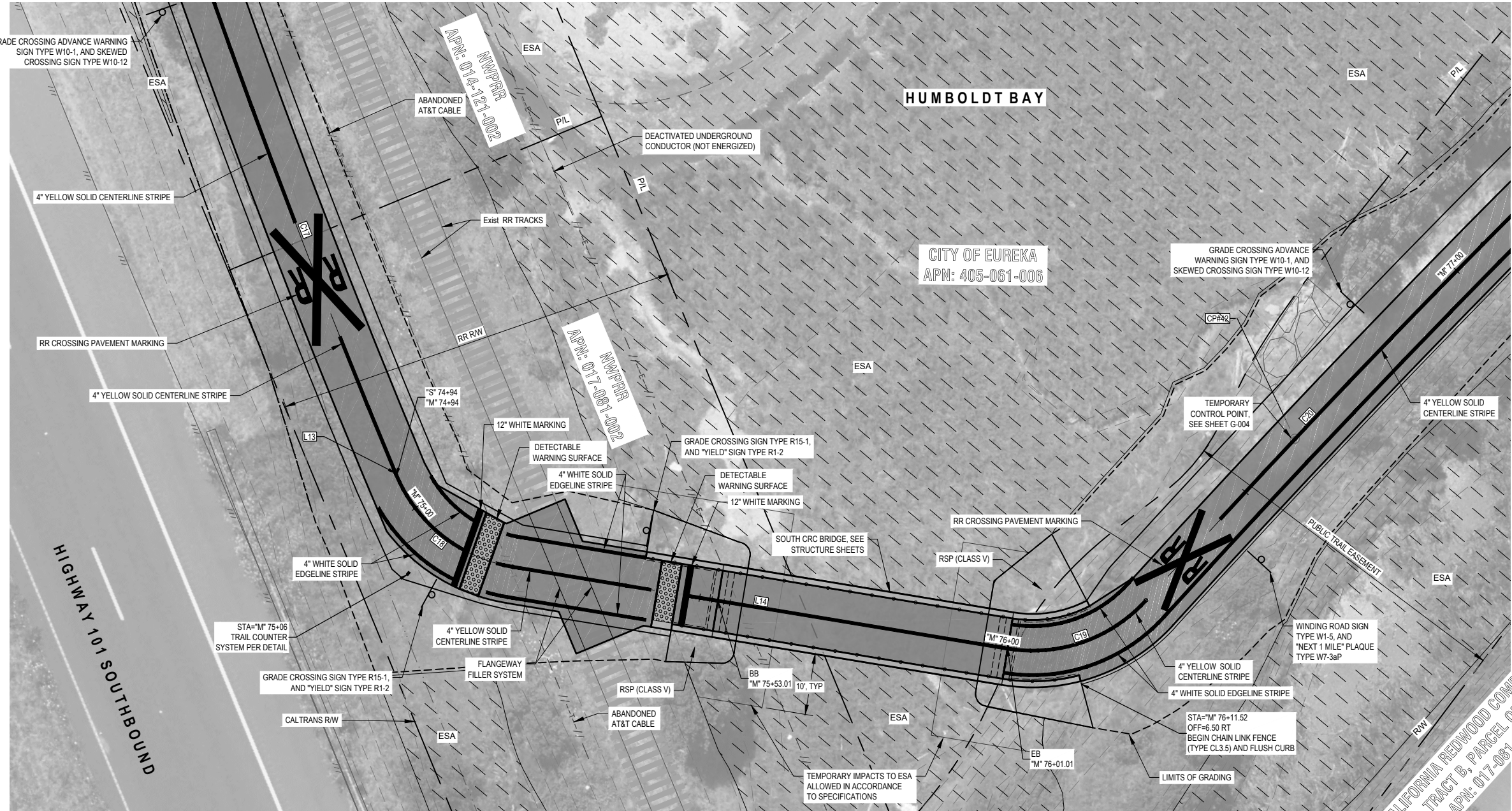


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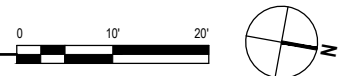
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Drafting Check	C. PENNY
Project Manager	J. WOLF

Designer	C. PENNY
Design Check	J. WOLF
Date	12/23/2022
Scale	AS SHOWN

Client	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
Project	HUMBOLDT BAY TRAIL SOUTH
Title	ENLARGED LAYOUTS: EUREKA SLOUGH NORTH TRAIL
GHD Project No.	11110166 & 11218356
Original Size	ANSI D
Sheet No.	C-402



CRC SOUTH TRAIL



No.	Issue	Drawn	Approved	Date



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0 1"

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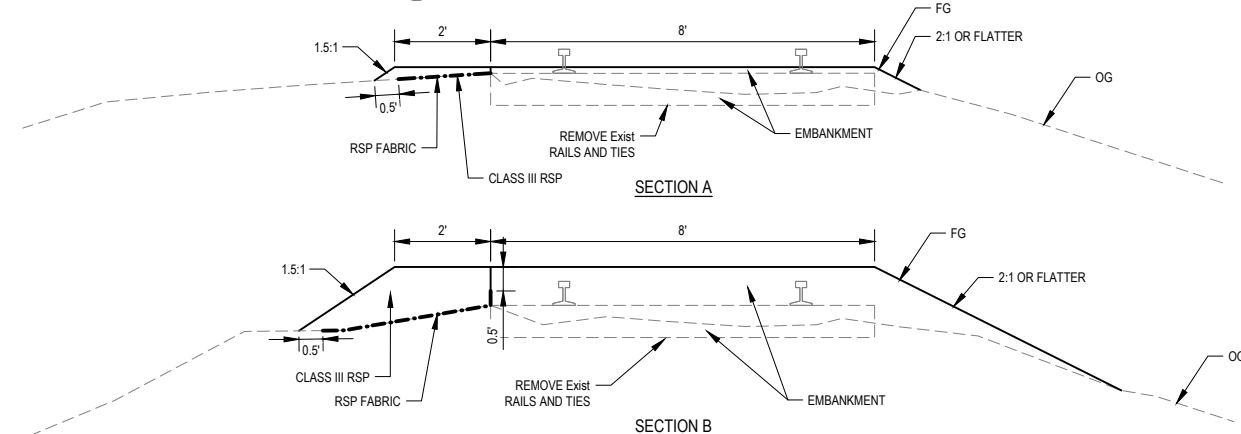
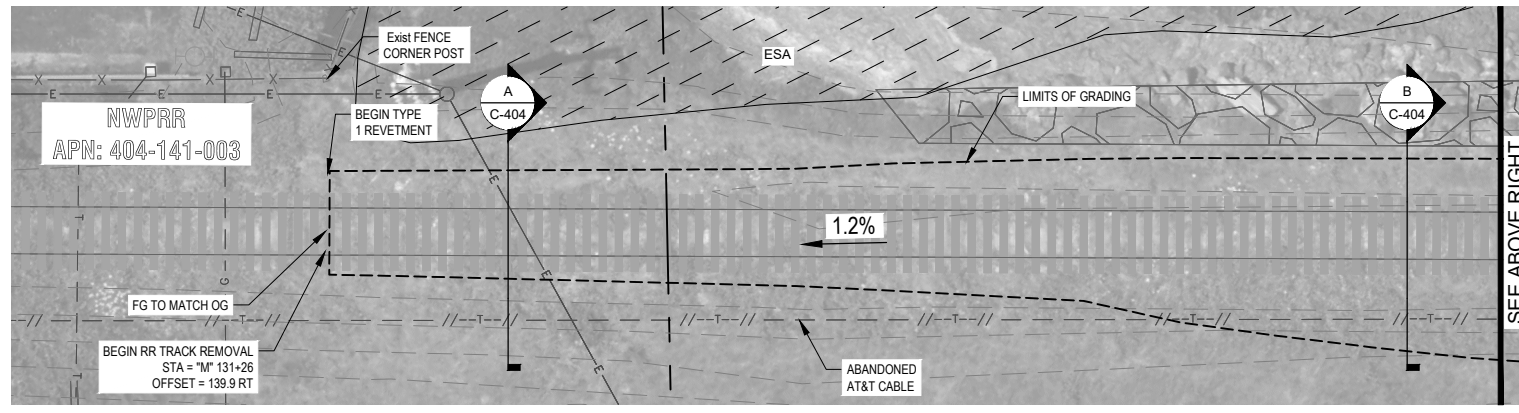
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GHD Project No.	11110166 & 11218356
Original Size	ANSI D
Sheet No.	C-403



CRC NORTH TRAIL



No.	Issue	Drawn	Approved	Date



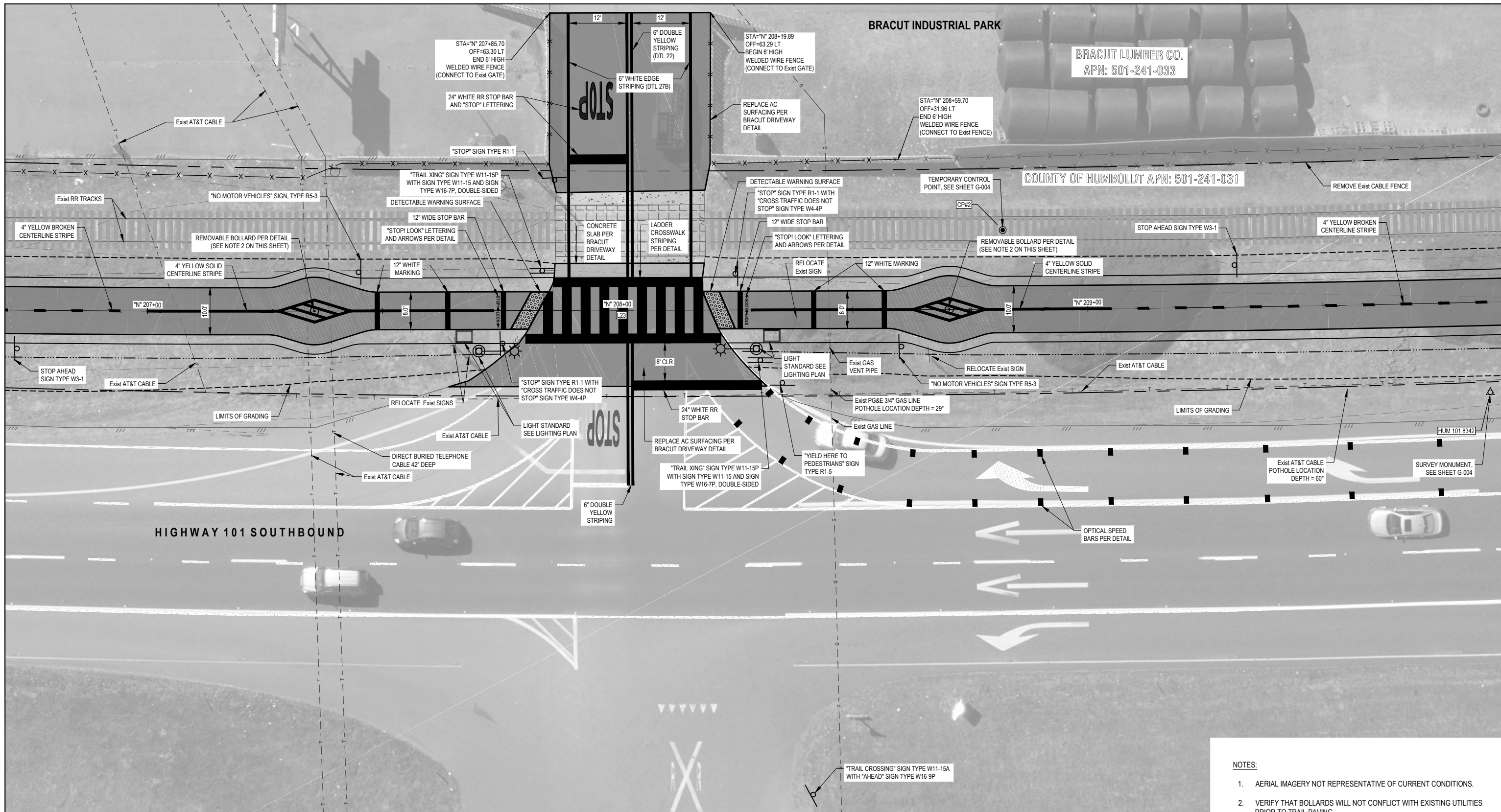
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Title	ENLARGED LAYOUTS: CRC NORTH TRAIL
GHD Project No.	11110166 & 11218356
Original Size	ANSI D
Sheet No.	C-404



BRACUT INTERSECTION TRAIL PLAN



- NOTES:**
- AERIAL IMAGERY NOT REPRESENTATIVE OF CURRENT CONDITIONS.
 - VERIFY THAT BOLLARDS WILL NOT CONFLICT WITH EXISTING UTILITIES PRIOR TO TRAIL PAVING.
 - POTHOLE DATA SHOWN HEREON OBTAINED FROM CALTRANS CONTRACT # 01-0F-2204

No.	Issue	Drawn	Approved	Date



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0 1"

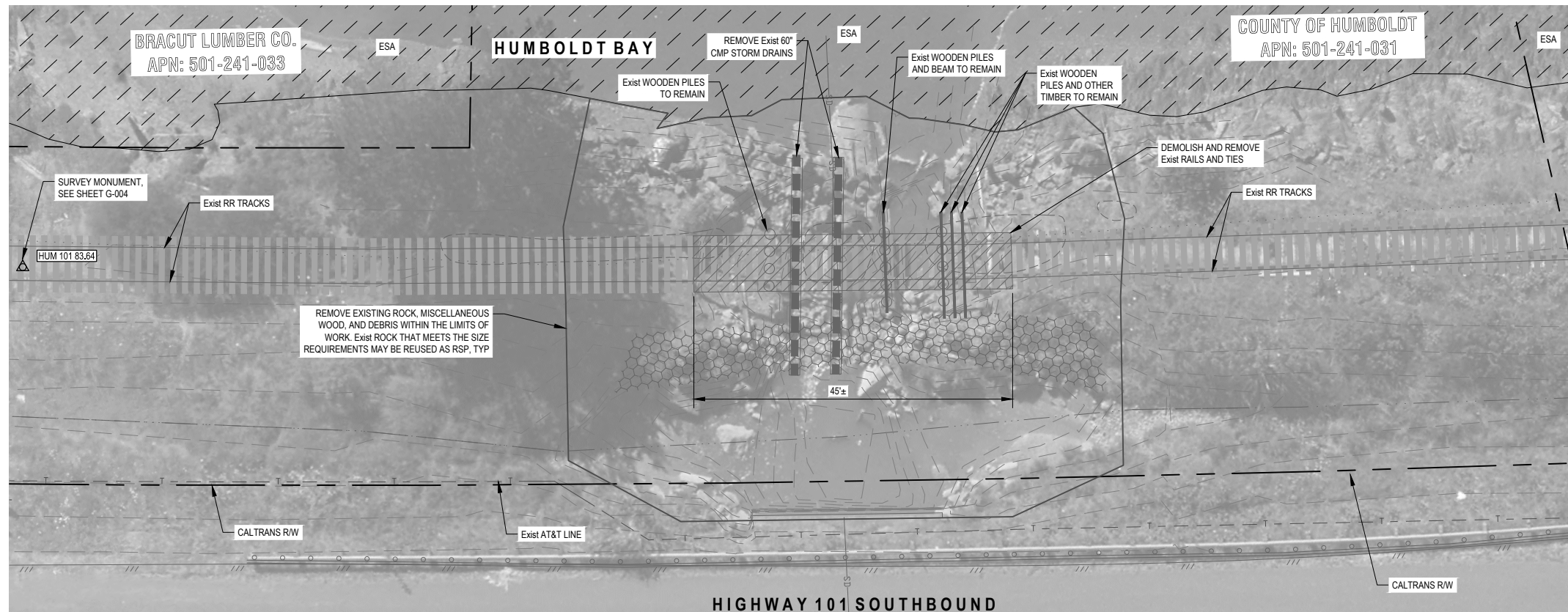
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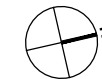
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Project	HUMBOLDT BAY TRAIL SOUTH		
Title	ENLARGED LAYOUTS: BRACUT INTERSECTION TRAIL		
GHD Project No.	11110166 & 11218356		
Original Size	ANSI D	Sheet No.	C-405
			Sheet 65 of 108



PLAN VIEW



EXIST ROCK WITHIN THE LIMITS OF WORK THAT MEETS THE SIZE REQUIREMENTS MAY BE REUSED AS RSP, TYP

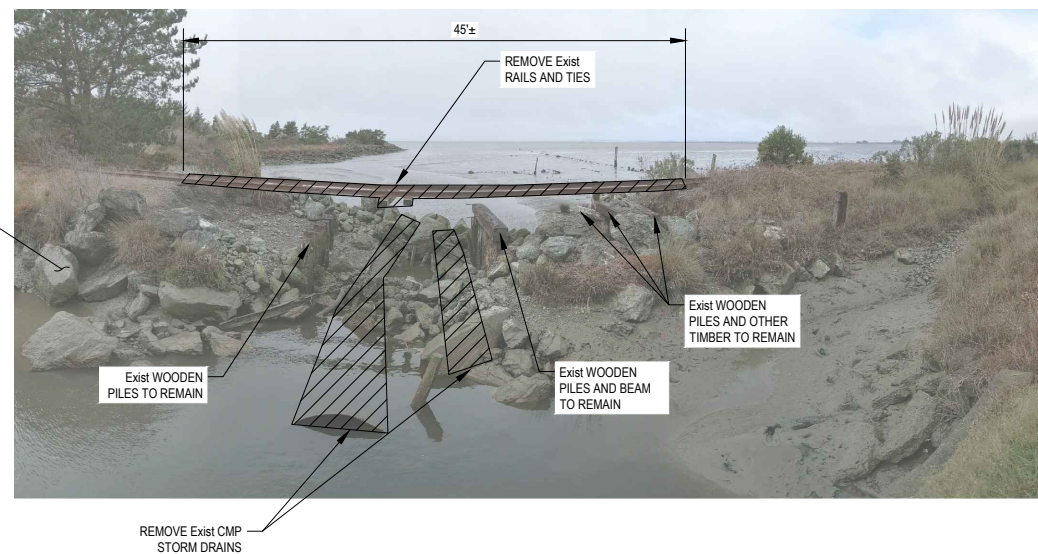


IMAGE OF BRAINARD SLOUGH RAILROAD CROSSING - LOOKING WEST FROM US101

No.	Issue	Drawn	Approved	Date



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0 1"

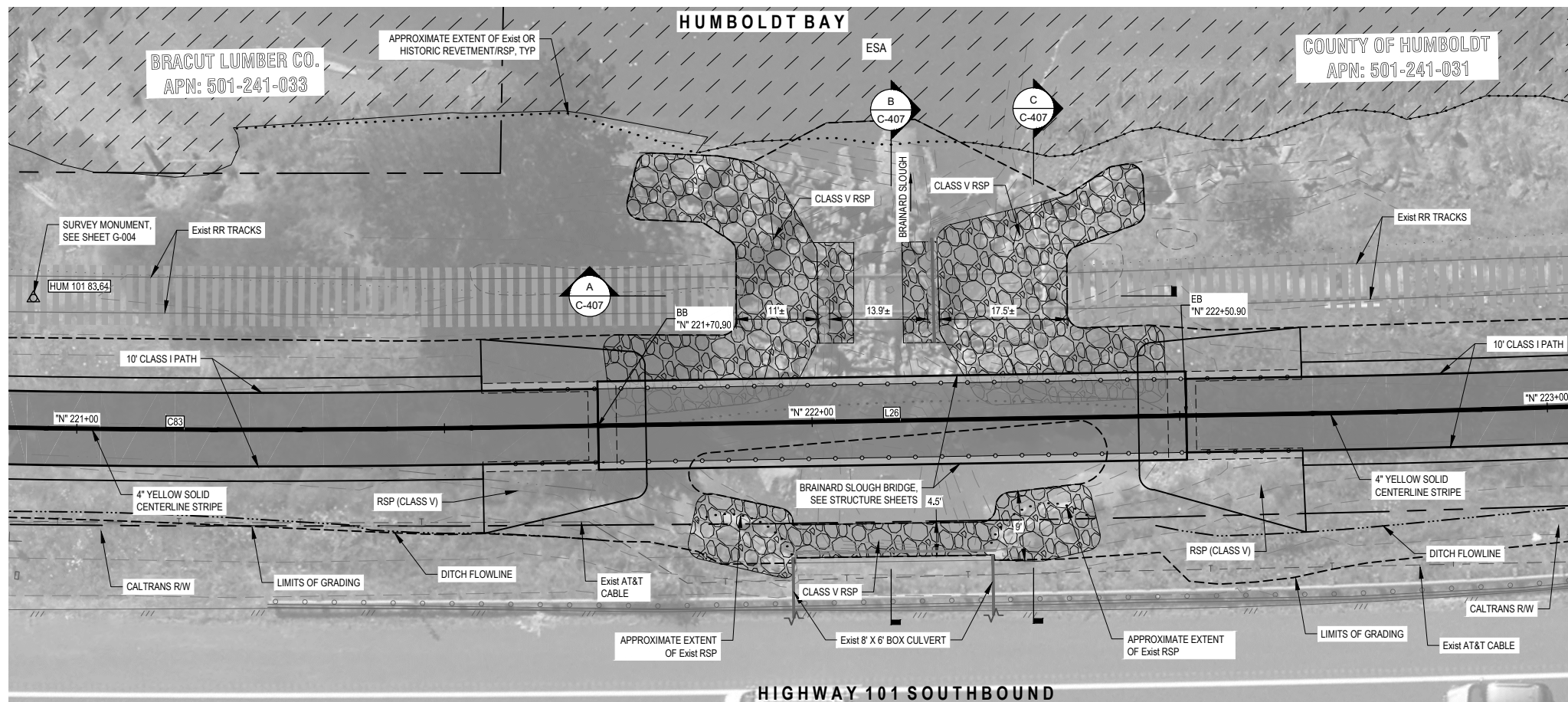
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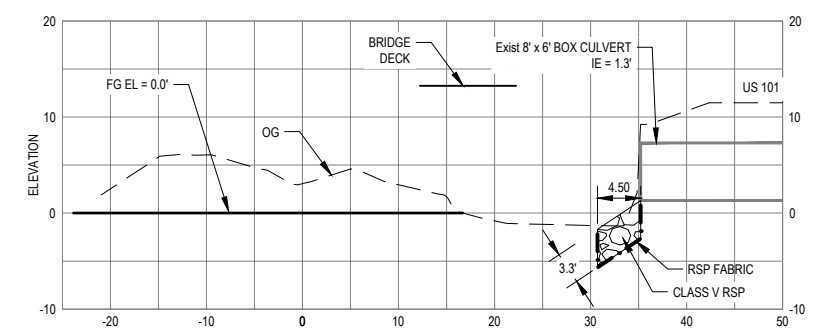
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Project	HUMBOLDT BAY TRAIL SOUTH
Title	ENLARGED LAYOUTS: BRAINARD SLOUGH DEMOLITION AND REMOVAL
GHD Project No.	11110166 & 11218356
Original Size	ANSI D
Sheet No.	C-406



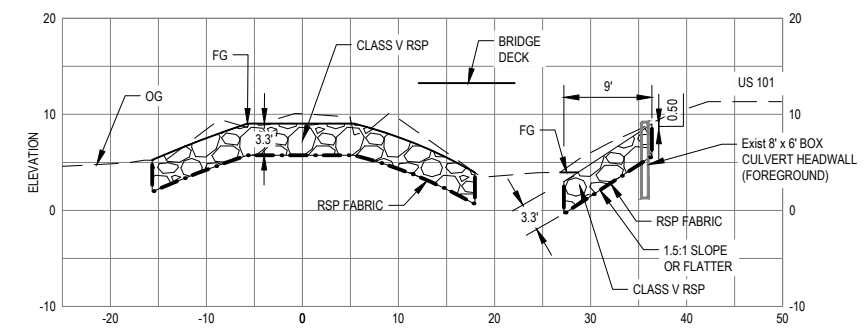
BRAINARD SLOUGH PLAN VIEW

0 10' 20'



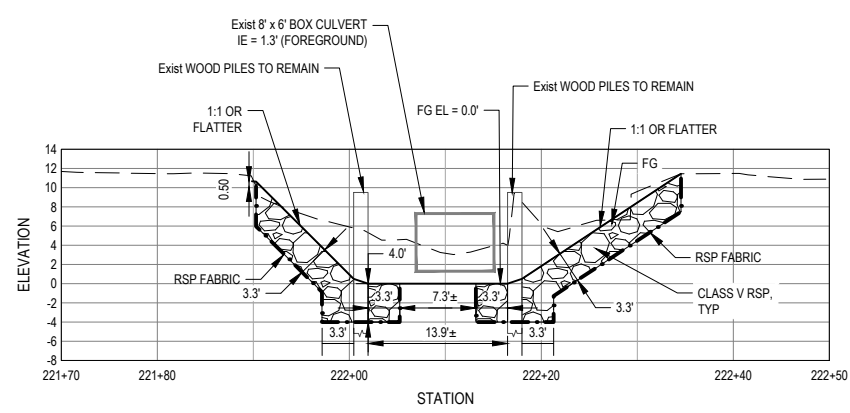
LEVEE CROSS-SECTION AT STA 222+11 BRAINARD SLOUGH PROFILE

SCALE: 1" = 10'



LEVEE CROSS-SECTION AT STA 222+32

SCALE: 1" = 10'



LEVEE PROFILE AT TRAIL STA 221+70 TO STA 222+50

0 10' 20' HORIZONTAL
0 10' 20' VERTICAL

- NOTES:**
- EXCAVATION AND PLACEMENT OF RSP SHALL OCCUR WITHIN ONE TIDAL CYCLE.
 - HOLD RSP FABRIC 0.5' BELOW FG.

No.	Issue	Drawn	Approved	Date



Bar is one inch on original size sheet
0 1"

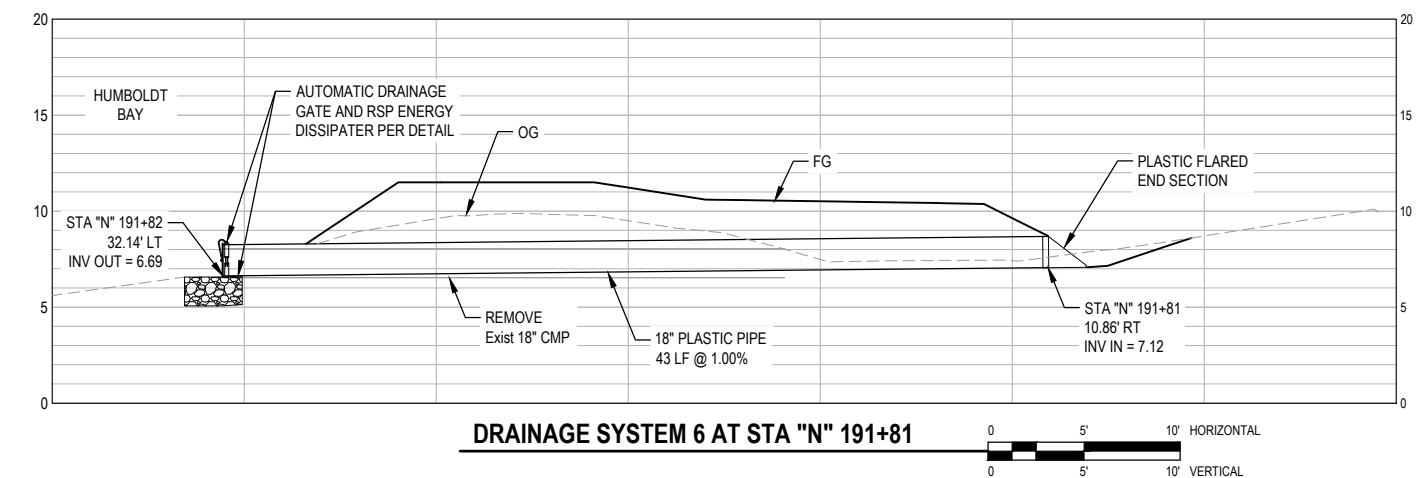
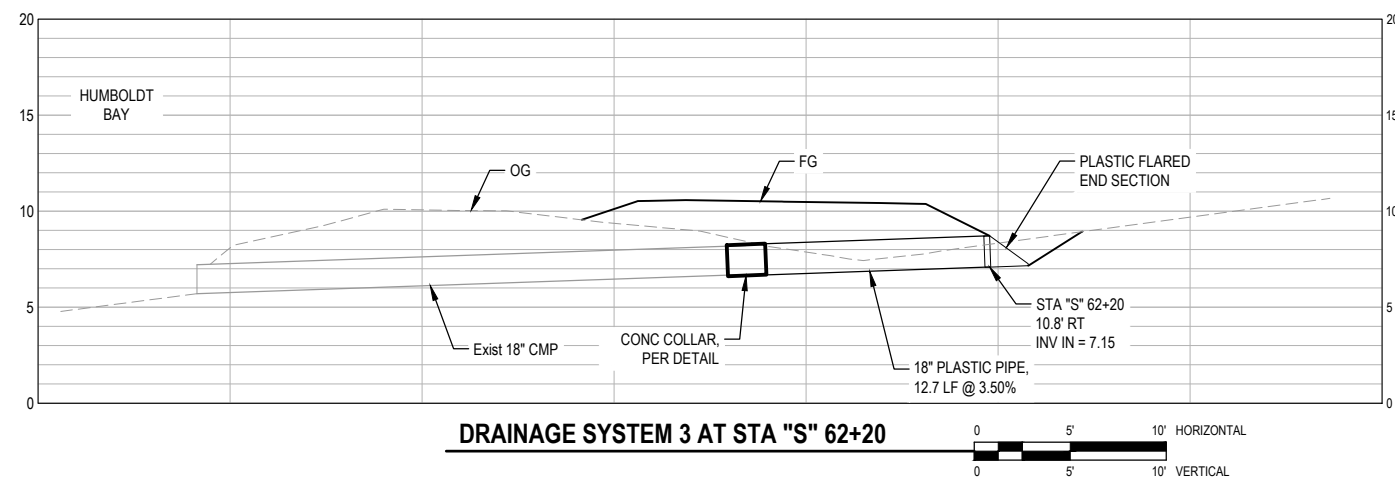
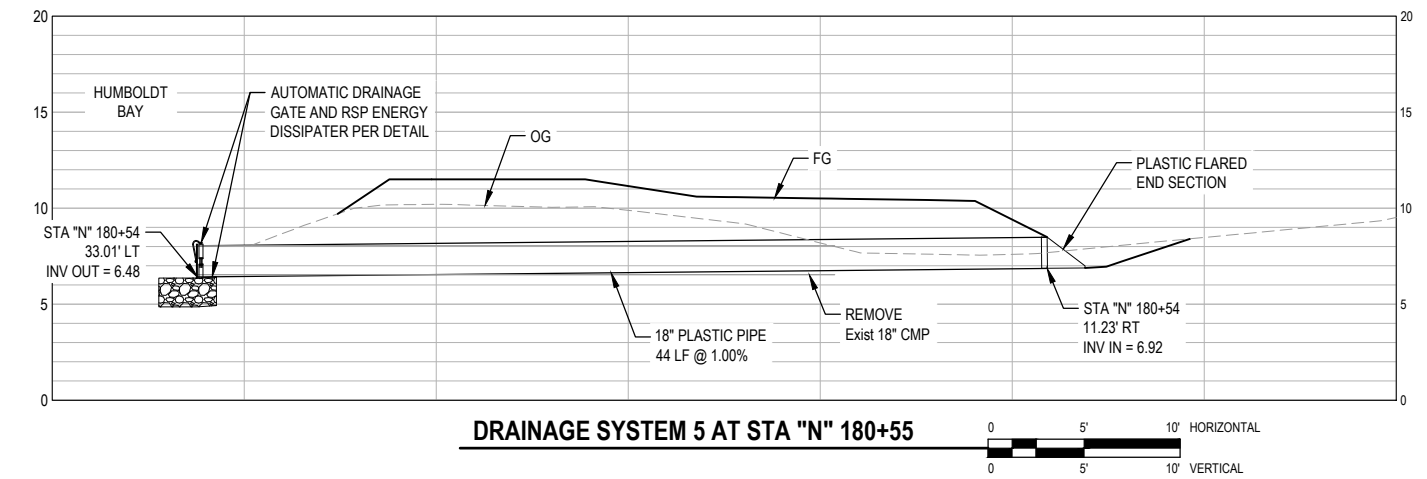
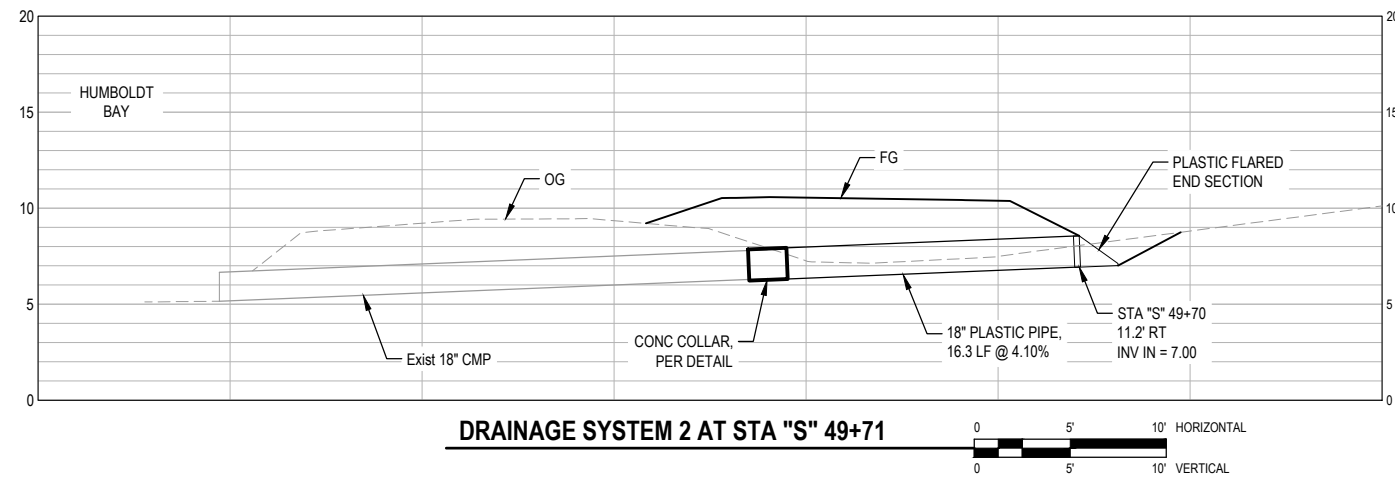
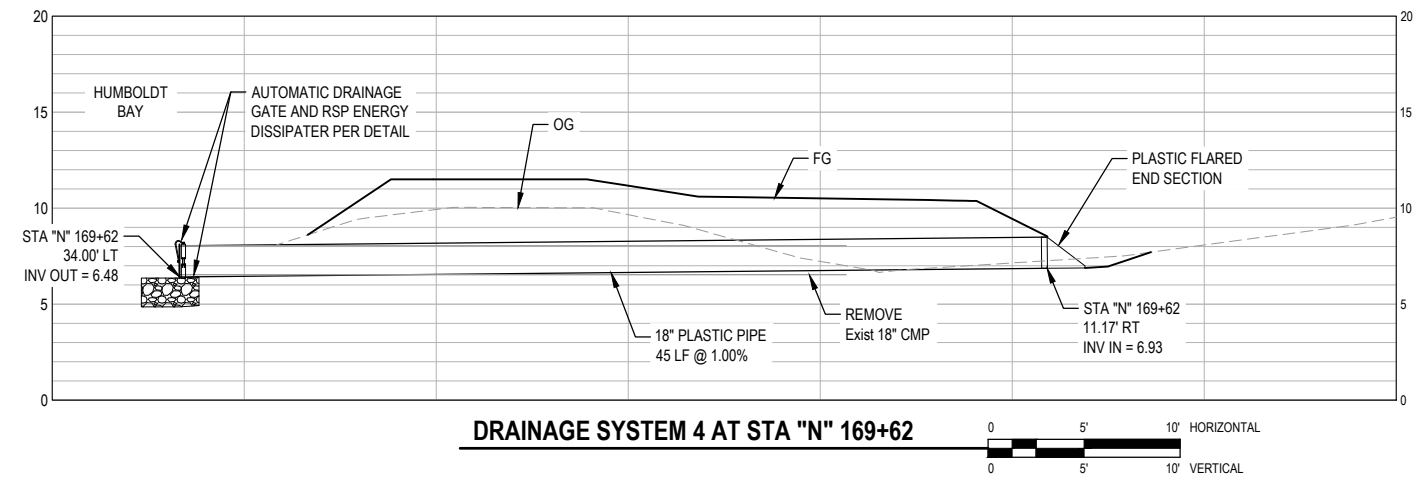
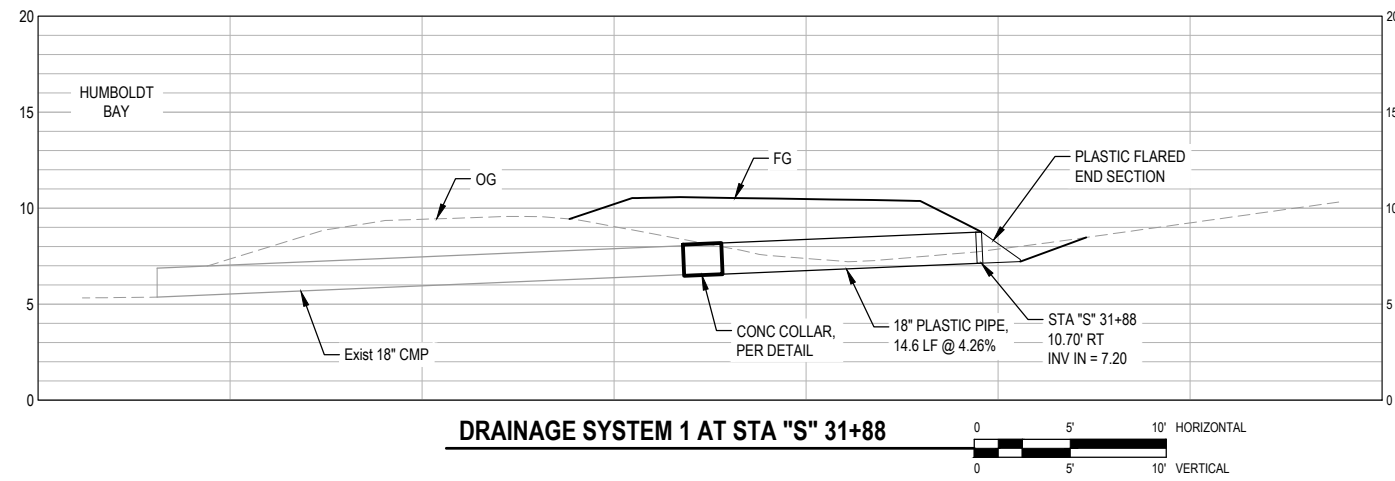
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Project Manager	J. WOLF	Date	12/23/2022
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Project	HUMBOLDT BAY TRAIL SOUTH
Title	ENLARGED LAYOUTS: BRAINARD SLOUGH IMPROVEMENTS
GHD Project No.	11110166 & 11218356
Original Size	ANSI D
Sheet No.	C-407
Sheet	67 of 108



No.	Issue	Drawn	Approved	Date



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0 5 10'

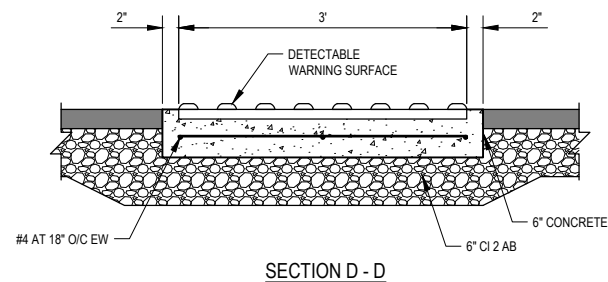
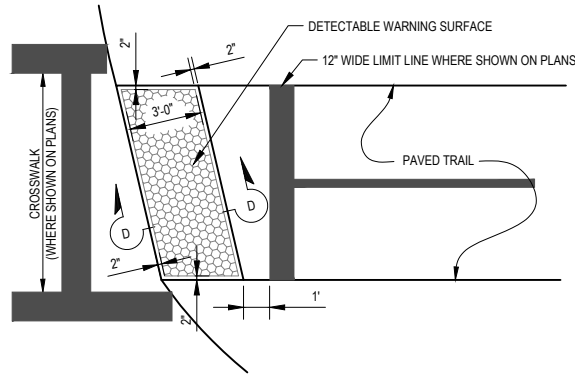
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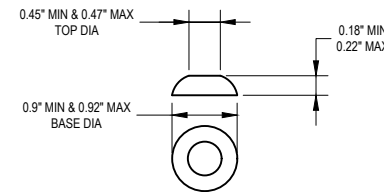
Client	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS		
Project	HUMBOLDT BAY TRAIL SOUTH		
Title	DRAINAGE PROFILES		
GHD Project No.	11110166 & 11218356		
Original Size	ANSI D	Sheet No.	CD-401
Plot Date: 18 January 2023 - 10:00 AM		Plotted By: Camille Penny	
Filename: \\ghdnet\ghd\US\Eureka\Projects\11111110166 Humboldt Bay Trail South PA&ED PS&E\06-CAD\Sheets\11110166_CD-401_DRAINAGE PROFILES.dwg			



NOTE:
1. TRANSITIONS TO WALKS, GUTTERS OR STREETS SHALL BE FREE OF ABRUPT CHANGES.

DETECTABLE WARNING SURFACE DETAIL

SCALE: NTS



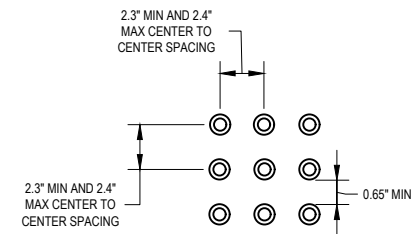
RAISED TRUNCATED DOME

NOTES:

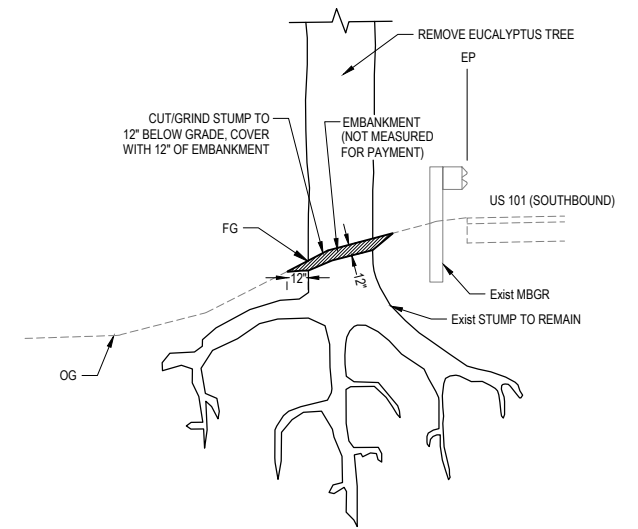
- SEE RAMP DETAILS ON THIS SHEET FOR DETECTABLE WARNING LAYOUT.
- DETECTABLE WARNING SHALL BE A PREFORMED MATERIAL AS APPROVED BY THE ENGINEER. THE DETECTABLE WARNING SHALL BE CAST-IN, NOT SURFACE APPLIED. THE USE OF CONCRETE STAMPING IS NOT PERMITTED.
- DETECTABLE WARNING SURFACE SHALL BE FEDERAL YELLOW.

DETECTABLE WARNING SURFACE DETAIL

NOT TO SCALE

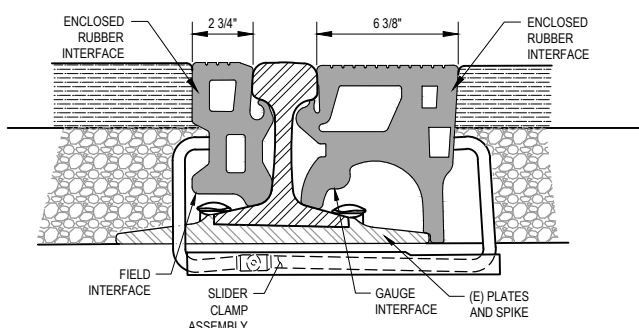


RAISED TRUNCATED DOME PATTERN (IN-LINE)

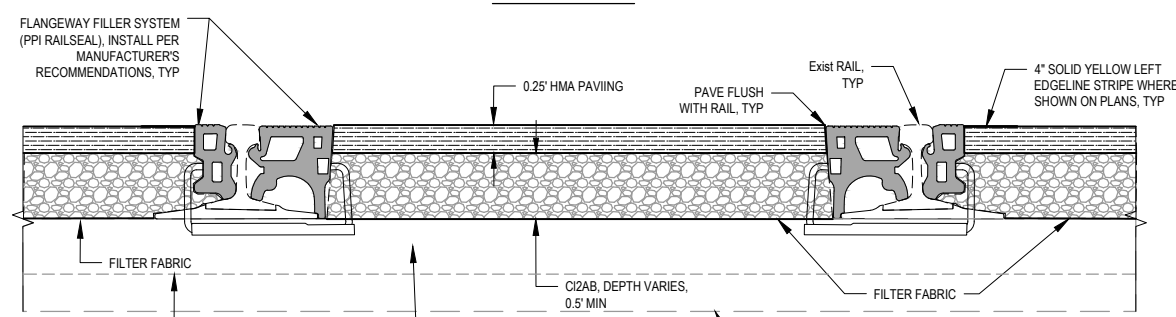


EUCALYPTUS TREE REMOVAL DETAIL

NOT TO SCALE



ENLARGED VIEW

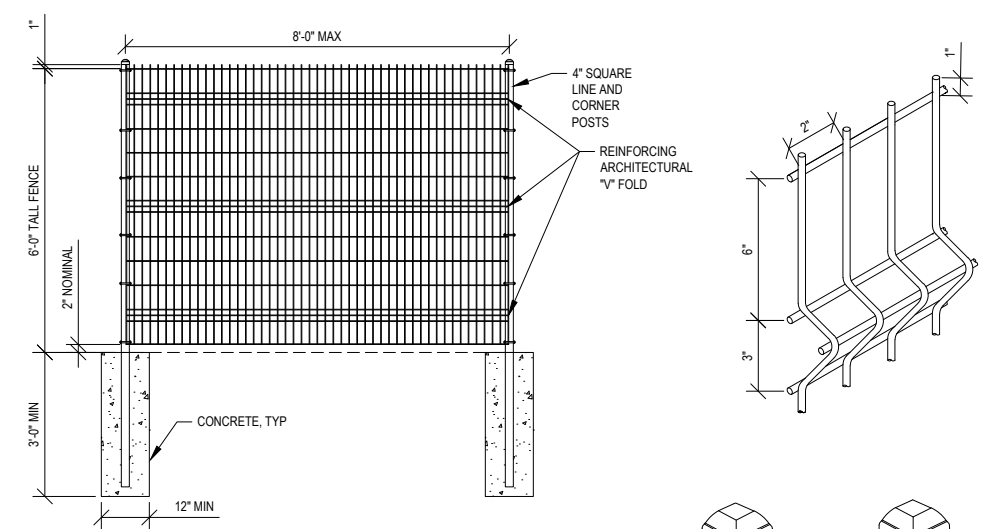


NOTES:

- A CHANGE IN LEVEL OF NO MORE THAN 1/4" SHALL BE PERMITTED.
- OPENINGS IN GROUND SURFACES SHALL NOT ALLOW PASSAGE OF A SPHERE MORE THAN 3/8" DIAMETER AND ELONGATED OPENINGS SHALL BE PLACED SO THAT THE LONG DIMENSION IS PERPENDICULAR TO THE DOMINANT DIRECTION OF TRAVEL.

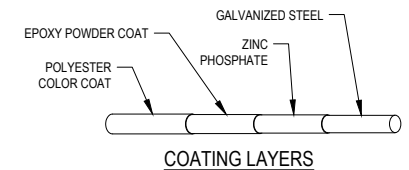
FLANGEWAY FILLER SYSTEM DETAIL

NOT TO SCALE

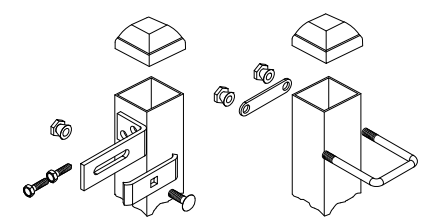


NOTES:

- APPLY COATING LAYERS SHOWN TO ALL FENCING MATERIALS.



COATING LAYERS



END/GATE BRACKET

LINE BRACKET

WELDED WIRE FENCE DETAIL

SCALE: NTS

No.	Issue	Drawn	Approved	Date



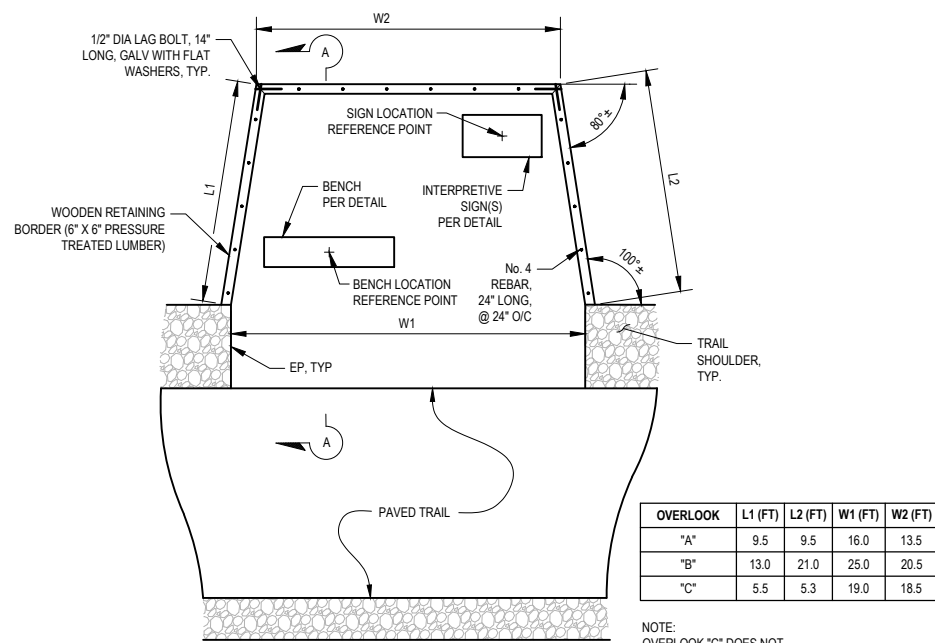
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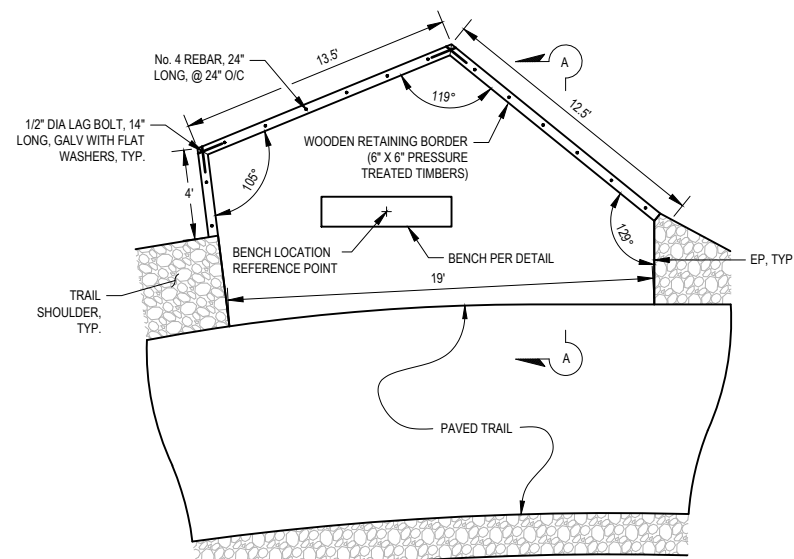
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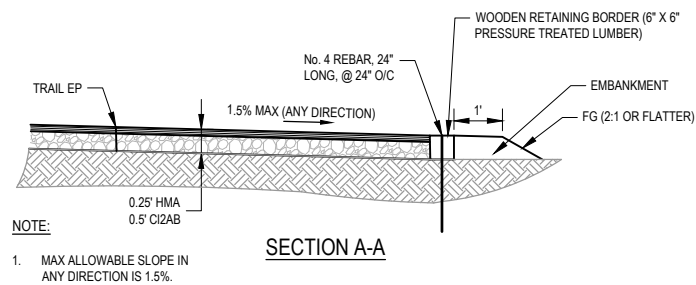
Client	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
Project	HUMBOLDT BAY TRAIL SOUTH
Title	CONSTRUCTION DETAILS 2 OF 5
GHD Project No.	11110166 & 11218356
Original Size	ANSI D
Sheet No.	C-502
Sheet	70 of 108



OVERLOOK "A", "B", & "C"

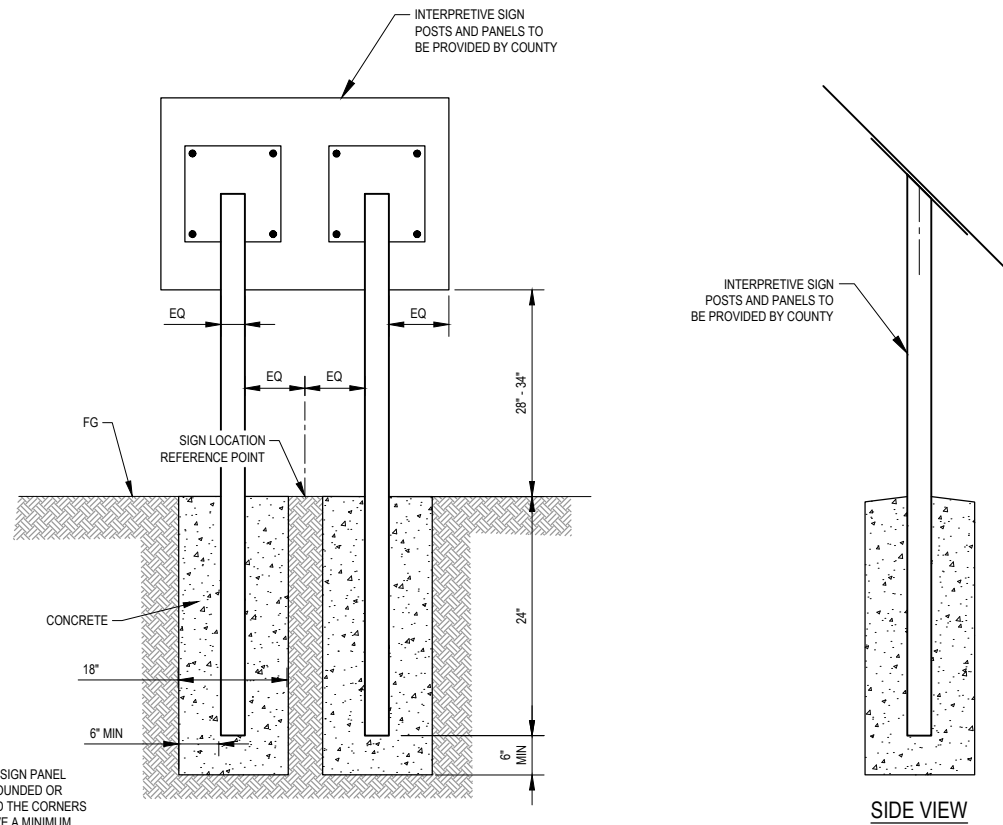


OVERLOOK "D"



OVERLOOK DETAIL

NOT TO SCALE

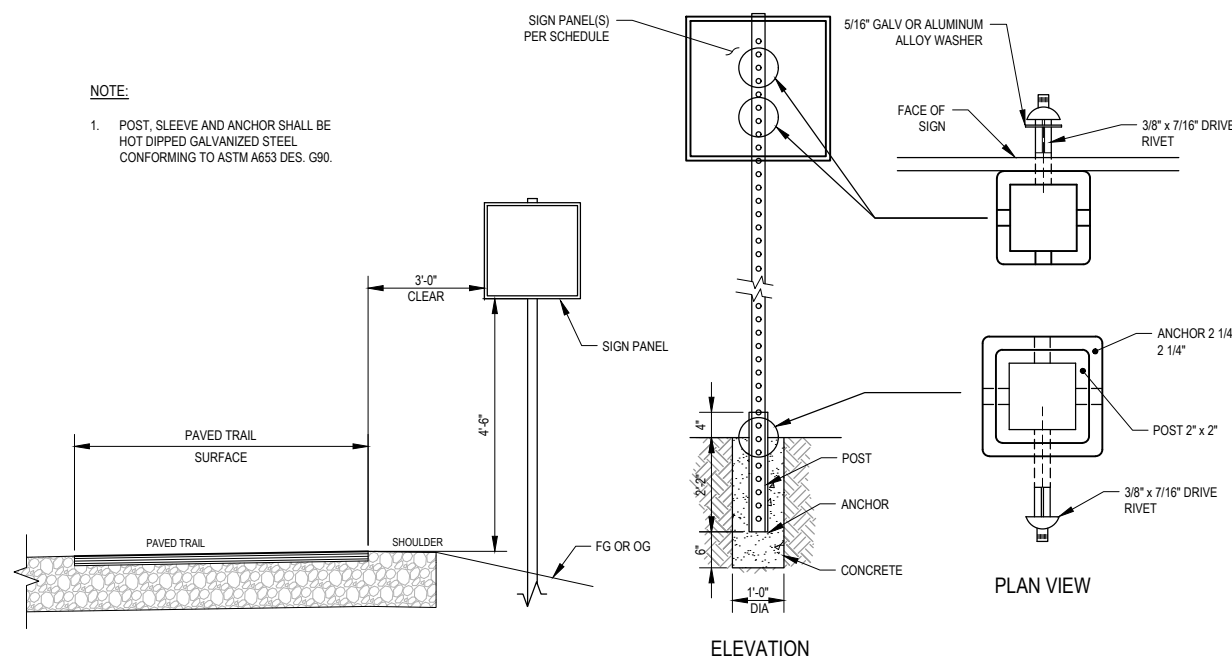


INTERPRETIVE SIGN FOUNDATION DETAIL

SCALE: NTS

NOTE:

1. EDGES OF SIGN PANEL WILL BE ROUNDED OR EASED AND THE CORNERS SHALL HAVE A MINIMUM RADIUS OF 1/8".

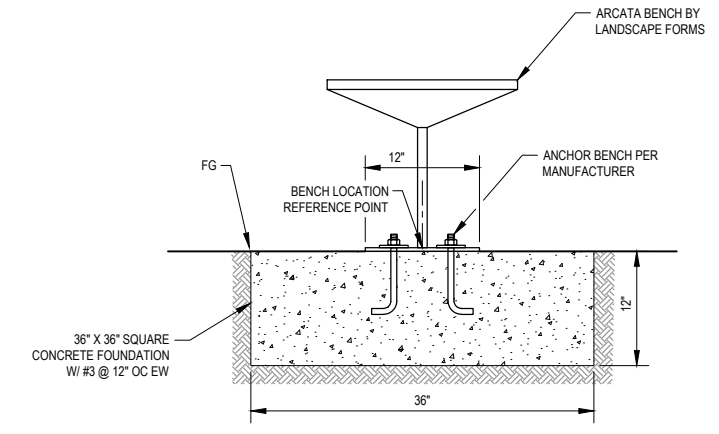


TRAIL SIGN INSTALLATION DETAIL

SCALE: NTS

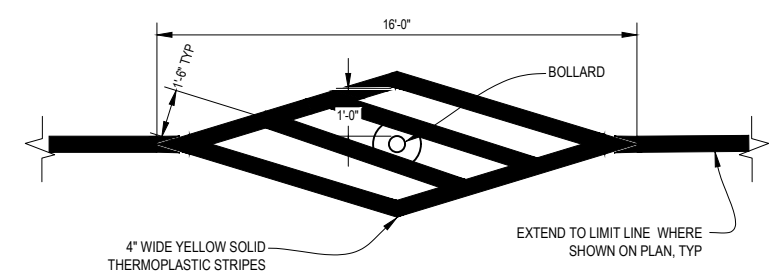
NOTE:

1. POST, SLEEVE AND ANCHOR SHALL BE HOT DIPPED GALVANIZED STEEL CONFORMING TO ASTM A653 DES. G90.



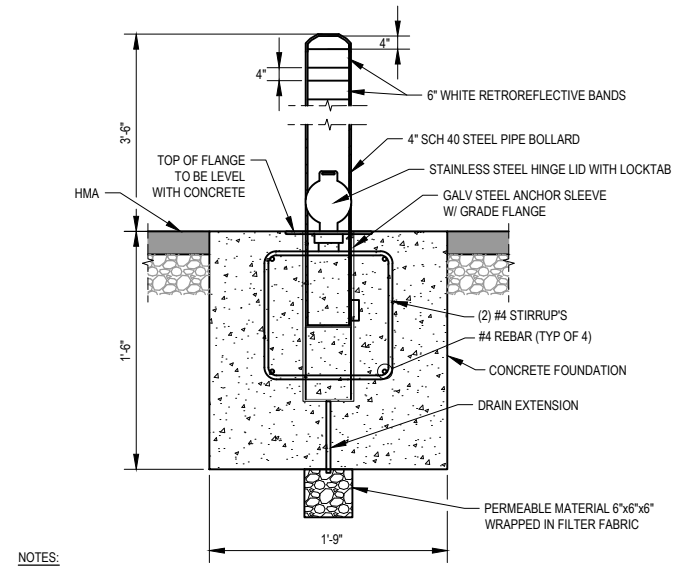
BENCH DETAIL

SCALE: NTS



REMOVABLE BOLLARD & STRIPING DETAIL

SCALE: NTS



NOTES:

- BOLLARDS SHALL BE BY BOLLARD PROS INDUSTRIES OR APPROVED EQUAL.
- BOLLARDS SHALL BE FACTORY COATED, COLOR YELLOW.
- BOLLARDS SHALL HAVE A DOME CAP WITH 2 EA 6" WIDE TYPE XI WHITE REFLECTIVE SHEETING BANDS.

No.	Issue	Drawn	Approved	Date



Bar is one inch on original size sheet
0 1"

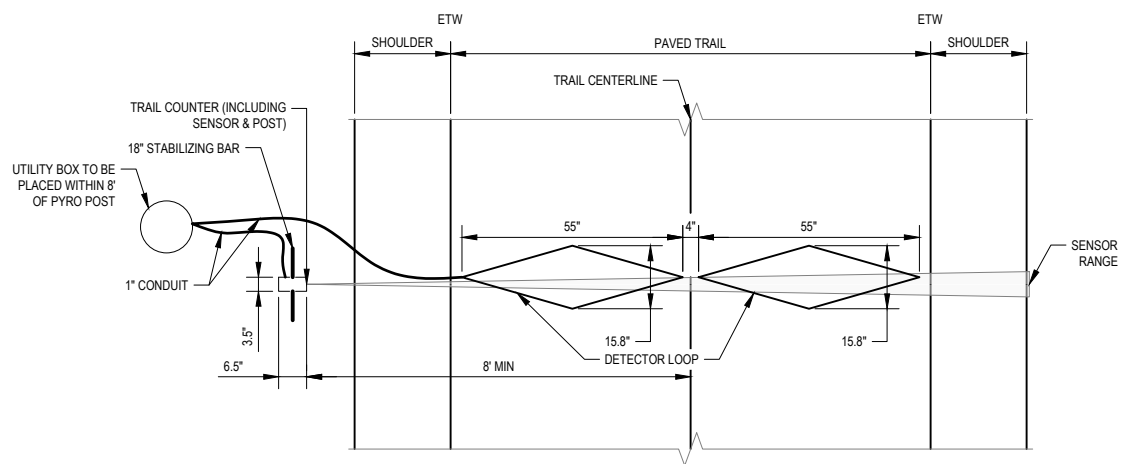
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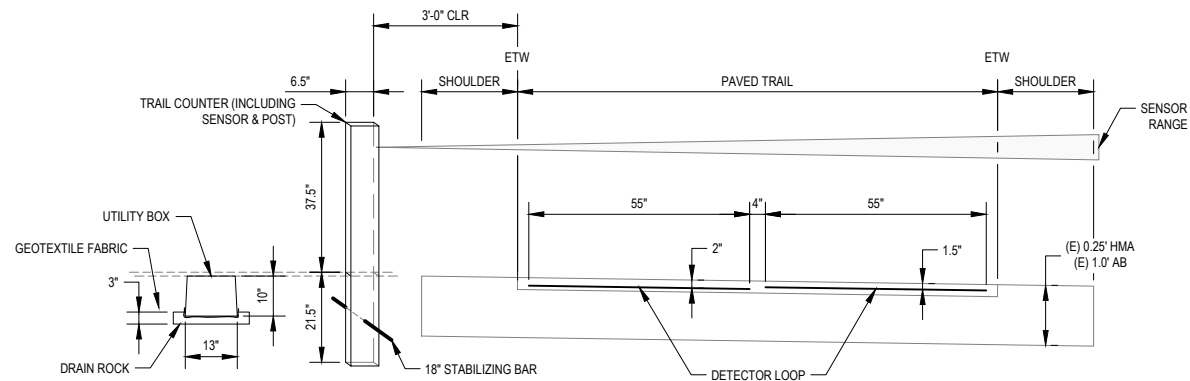
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Title	CONSTRUCTION DETAILS 3 OF 5		
GHD Project No.	11110166 & 11218356		
Original Size	ANSI D		
Sheet No.	C-503		
Sheet	71 of 108		



TRAIL COUNTER PLAN



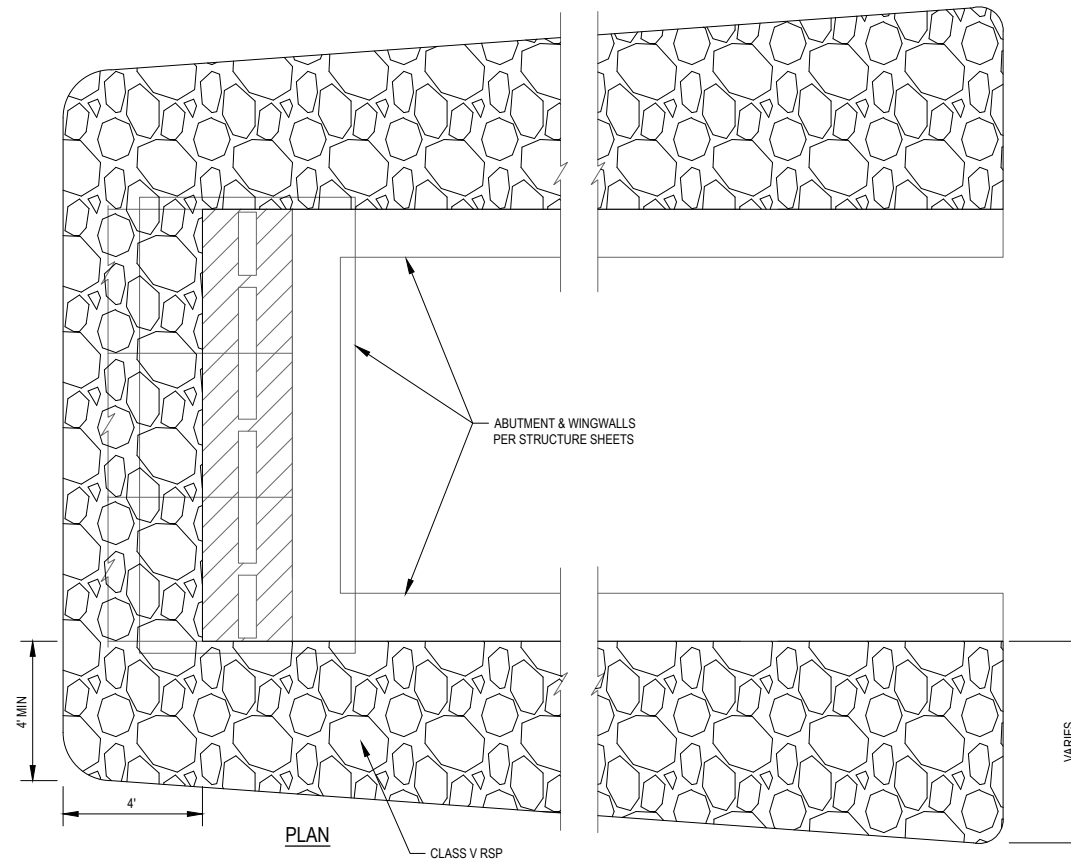
TRAIL COUNTER ELEVATION

NOTES:

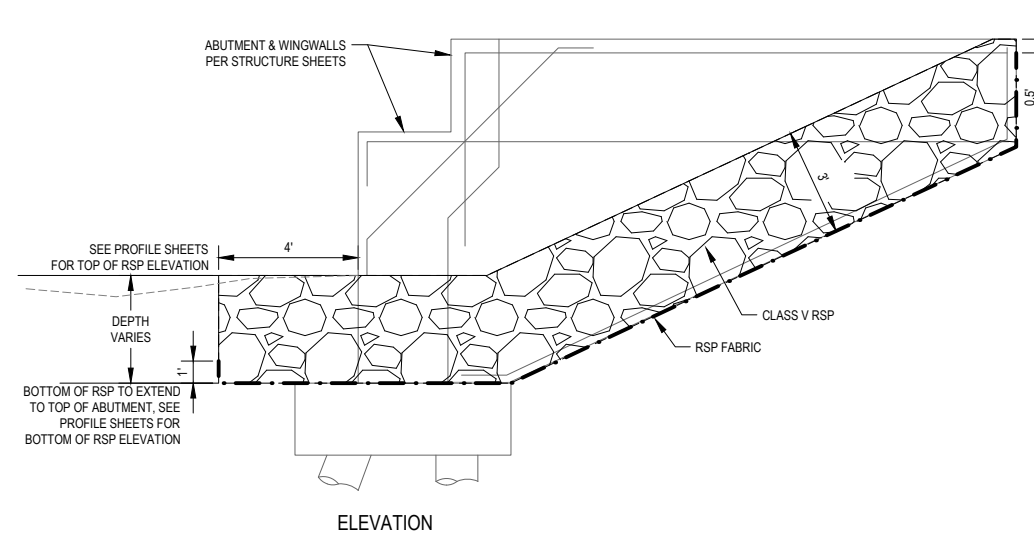
1. THE FOLLOWING MATERIALS WILL BE PROVIDED BY THE HCDPW:
 - a. POST AND SENSOR - WOODEN POST, COUNTER, PYRO SENSOR, AND STABILIZER BAR (PROVIDED BY COUNTY)
 - b. UTILITY BOX - B125 SQUARE PLASTIC WITH TWO ANTI-VANDALISM SCREWS, OR SIMILAR (PROVIDED BY COUNTY).

TRAIL COUNTER SYSTEM DETAIL

NOT TO SCALE



PLAN



ELEVATION

ABUTMENT AND WINGWALL REVETMENT DETAIL

SCALE: NTS

No.	Issue	Drawn	Approved	Date



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0 1"

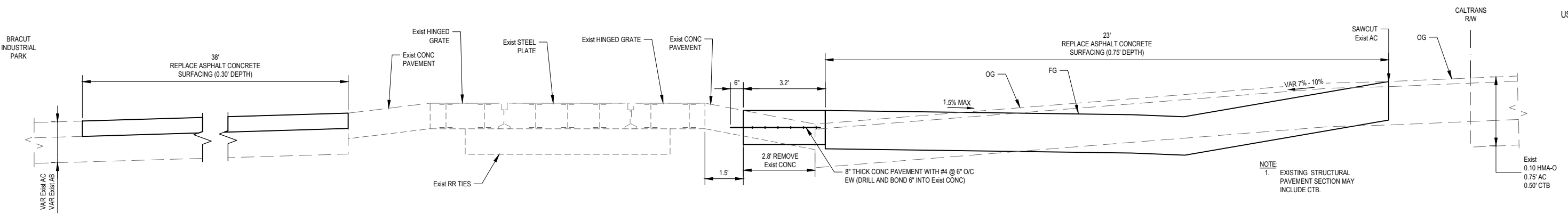
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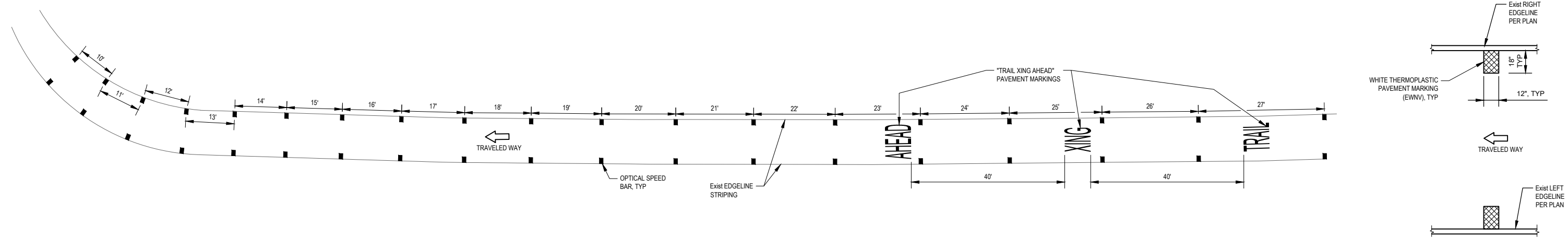
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Drafting Check	C. PENNY	Design Check	J. WOLF
Project Manager	J. WOLF	Date	12/23/2022
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Project	HUMBOLDT BAY TRAIL SOUTH		
Title	CONSTRUCTION DETAILS 4 OF 5		
GHD Project No.	11110166 & 11218356		
Original Size	ANSI D	Sheet No.	C-504

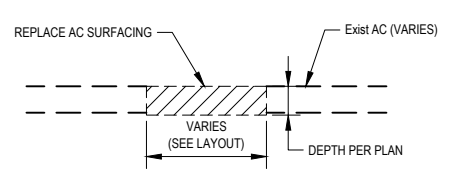


BRACUT INTERSECTION TRAIL CROSSING DETAIL



OPTICAL SPEED BAR PAVEMENT DELINEATION DETAIL

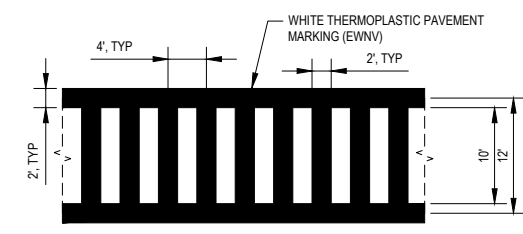
SCALE: NTS



- NOTES:**
- EXISTING UTILITIES IN CONFLICT WITH AC REPAIRS SHALL BE PROTECTED IN PLACE. DAMAGE TO EXISTING UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
 - ENSURE EXPOSED EDGES ARE CLEAN AND FREE OF DUST AND LOOSE MATERIALS. APPLY TACK COAT PRIOR TO PAVING.

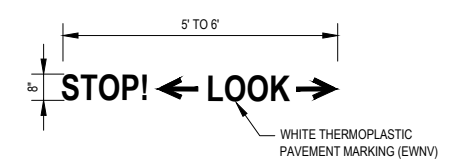
REPLACE AC SURFACING DETAIL

SCALE: NTS



LADDER CROSSWALK STRIPING DETAIL

SCALE: NTS



STOP! LOOK LETTERING DETAIL

SCALE: NTS

No.	Issue	Drawn	Approved	Date



Bar is one inch on original size sheet
0 1"

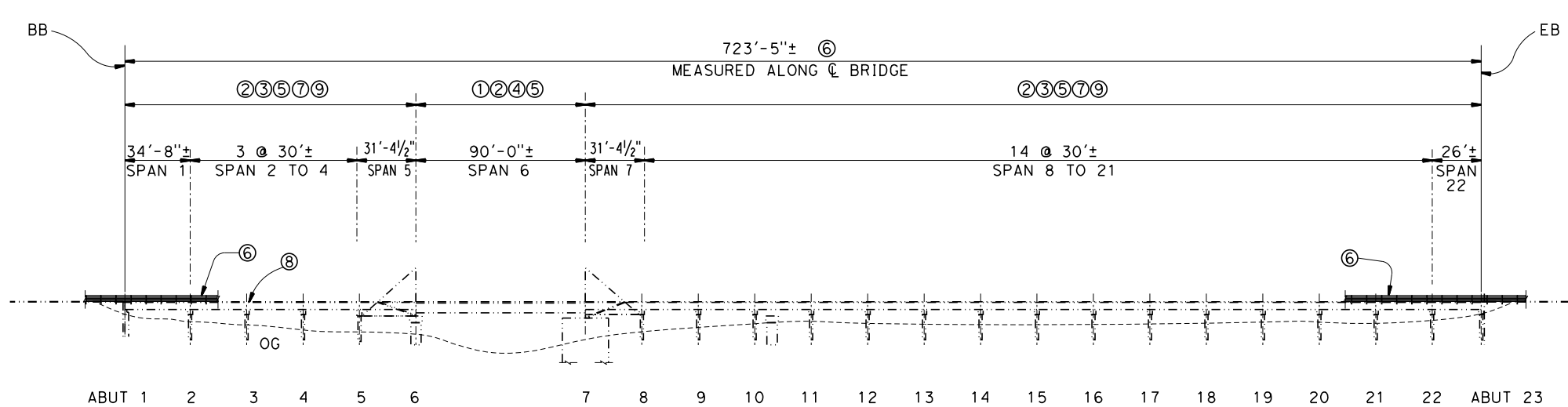
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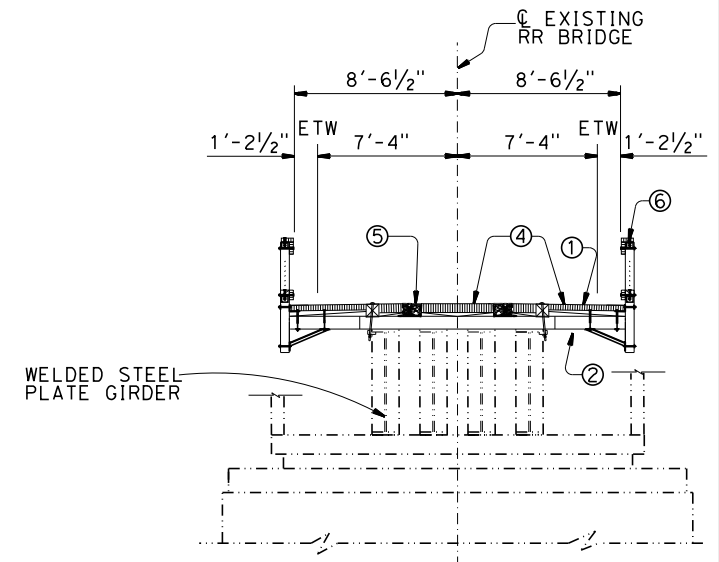
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Drafting Check	C. PENNY	Design Check	J. WOLF
Project Manager	J. WOLF	Date	12/23/2022
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Client	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS		
Project	HUMBOLDT BAY TRAIL SOUTH		
Title	CONSTRUCTION DETAILS 5 OF 5		
GHD Project No.	11110166 & 11218356		
Original Size	ANSI D	Sheet No.	C-505
		Sheet	73 of 108

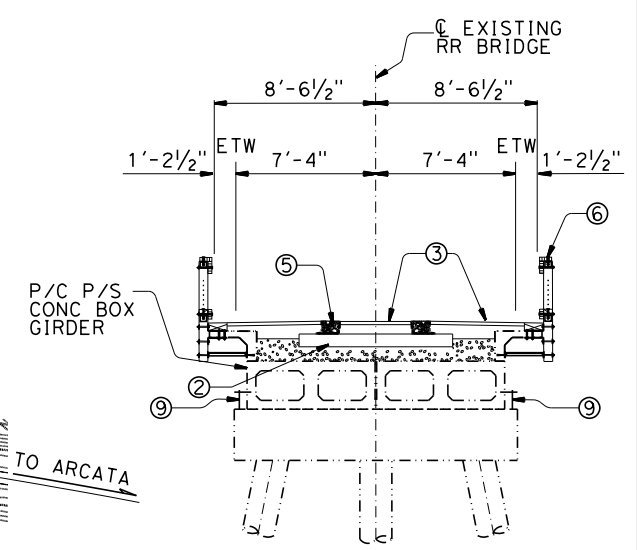


ELEVATION
1" = 40'

- RETROFIT LEGEND:**
- ① SALVAGE EXISTING STEEL GRATING TO RAILROAD.
 - ② REPLACE EXISTING TREATED TIMBER TIES.
 - ③ INSTALL AGGREGATE BASE AND ASPHALT CONCRETE SURFACE.
 - ④ INSTALL TREATED LAMINATED TIMBER DECK.
 - ⑤ INSTALL FLANGEWAY FILLER.
 - ⑥ REMOVE EXISTING CABLE RAILING AND POSTS AND INSTALL NEW PEDESTRIAN RAILING AND POSTS.
 - ⑦ INSTALL EXPANSION JOINT COVER PLATES.
 - ⑧ REPAIR SPALLED SOUTH CONCRETE WALKWAY UNDERSIDE SURFACE AREA AT SPAN 3 NEAR BENT 3.
 - ⑨ REPAIR GIRDER END SIDE ANCHORAGES.

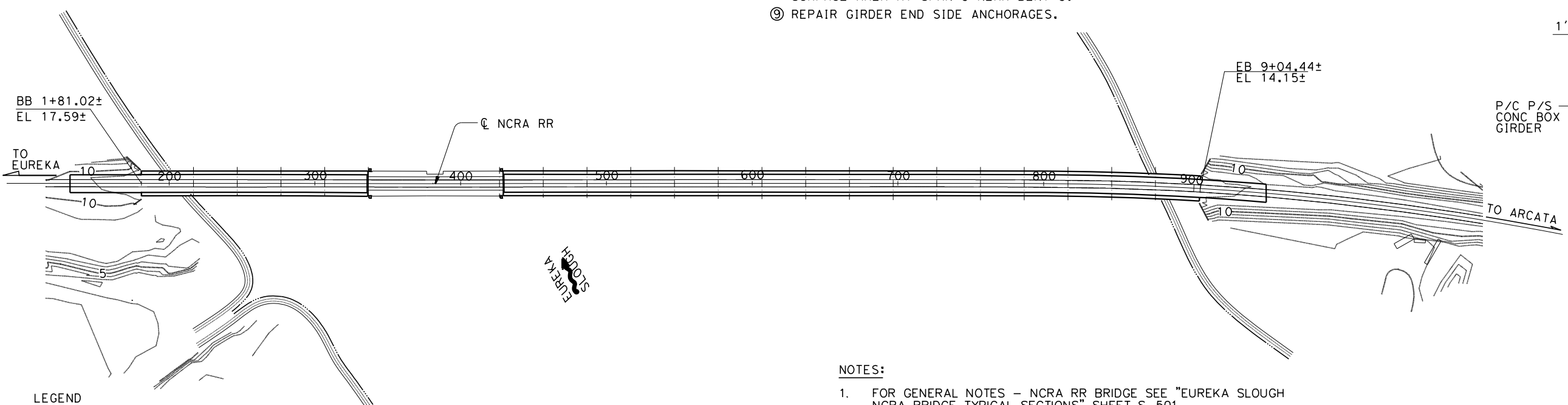


LIFT-SPAN 6
Existing Steel Plate Girder



SPAN 1-5 AND 7-22
Existing P/C P/S Conc Box Girder

TYPICAL SECTIONS
1" = 5'-0"



PLAN
1" = 40'

- LEGEND**
- INDICATES EXISTING STRUCTURE
 - INDICATES NEW CONSTRUCTION

- NOTES:**
1. FOR GENERAL NOTES – NCRA RR BRIDGE SEE "EUREKA SLOUGH NCRA BRIDGE TYPICAL SECTIONS" SHEET S-501.
 2. THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIALS.
 3. FOR DETAILS SEE "TYPICAL SECTIONS" SHEET S-501, "SPAN DETAILS" SHEETS S-514 THROUGH S-518, AND "RAILING DETAILS" SHEETS S-519 THROUGH S-522.

No.	Issue	Drawn	Approved	Date



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0 1"

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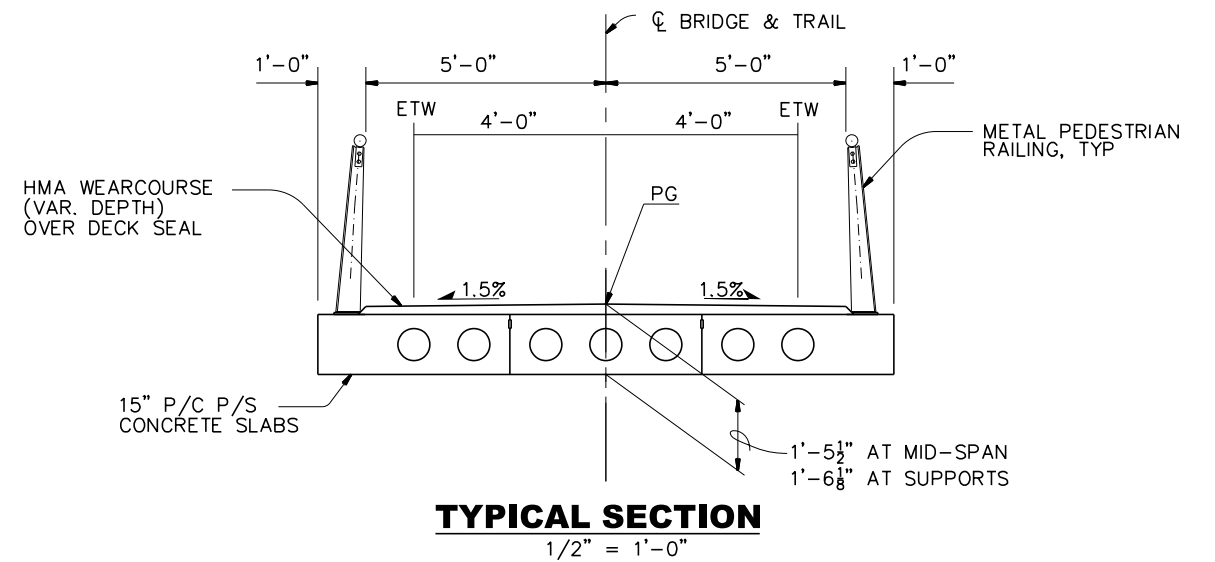
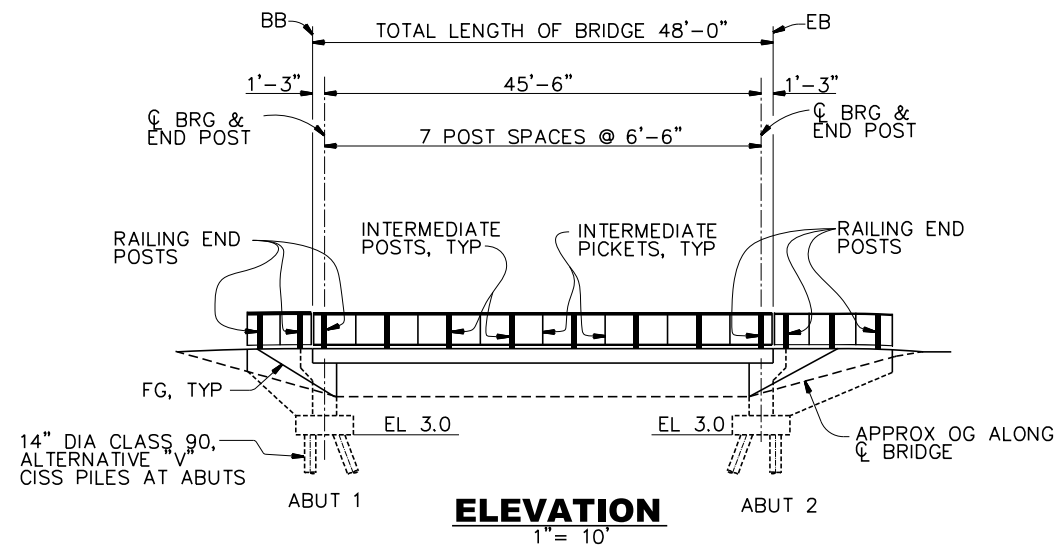


MORRISON STRUCTURES, INC

1890 PARK MARINA DR.
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Drawn	J.GALLINO	Designer	D. ROESNER
Drafting Check	R.MORRISON, JR	Design Check	R.MORRISON, JR
Project Manager	J.WOLF	Date	12/13/2022
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Client	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS		
Project	HUMBOLDT BAY TRAIL SOUTH		
Title	EUREKA SLOUGH BRIDGE RETROFIT - GENERAL PLAN		
GHD Project No.	11110166 & 11218356		
Original Size	ANSI D	Sheet No.	S-101
		Sheet	74 of 108

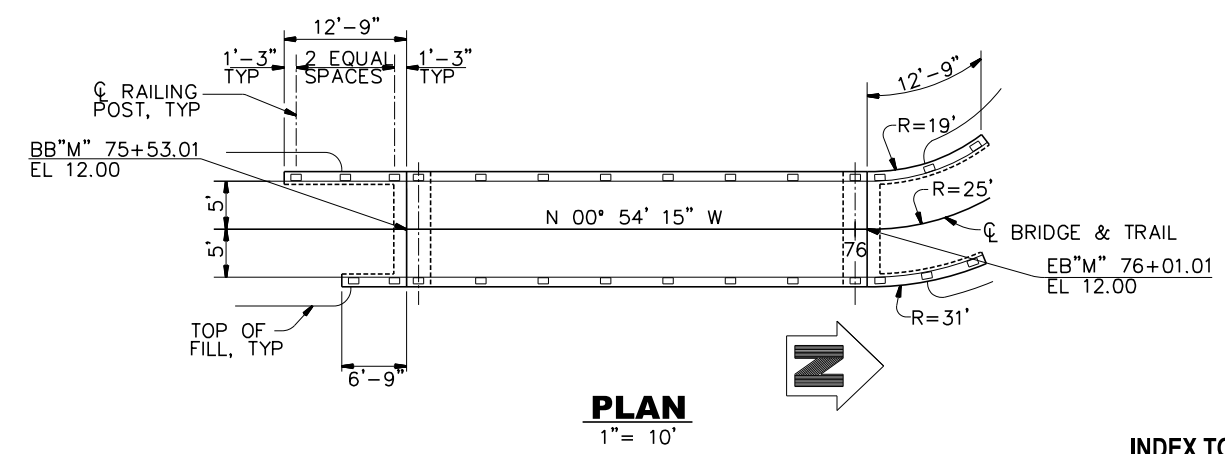


TYPICAL SECTION

SOUTH CRC BRIDGE

**GENERAL NOTES
LOAD RESISTANCE FACTOR DESIGN**

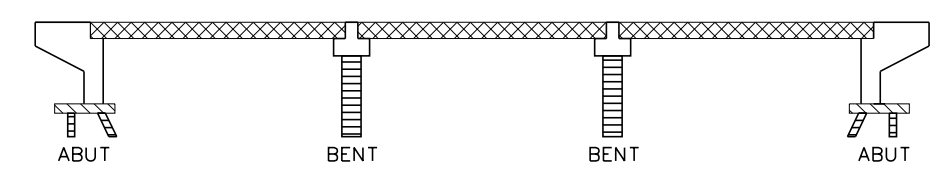
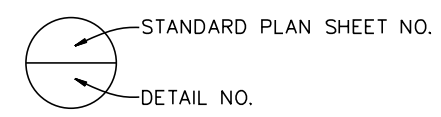
- DESIGN: AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 8TH EDITION W/ CALIFORNIA AMENDMENTS.
- SEISMIC DESIGN: CALTRANS SEISMIC DESIGN CRITERIA (SDC), VERSION 1.7 DATED APRIL 2013.
- LIVE LOADING: 90 PSF OR H5 VEHICLE
- SEISMIC LOADING: SOIL PROFILE (V_{s30}): 492 ft/s
MOMENT MAGNITUDE: 8.95
PEAK GROUND ACCELERATION: 0.66g
- REINFORCED CONCRETE: $f_y = 60$ ksi
 $f'_c = 4.0$ ksi (unless noted)
- PRESTRESSED CONCRETE: SEE GENERAL NOTES FOR PRESTRESSED SLABS ON "SLAB DETAILS" SHEET.



PLAN
SOUTH CRC BRIDGE

INDEX TO 2022 CALTRANS STANDARD PLANS

- A3A-C ABBREVIATIONS (3 SHEETS)
- A10A-E LINES AND SYMBOLS (5 SHEETS)
- A62C LIMITS OF PAYMENT FOR EXCAVATION AND BACKFILL - BRIDGE
- B0-3 BRIDGE DETAILS
- B2-5 PILE DETAILS CLASS 90 AND CLASS 140



- STRUCTURAL CONCRETE, BRIDGE
- STRUCTURAL CONCRETE, BRIDGE FOOTING
- PRECAST, PRESTRESSED CONCRETE SLAB (SEE "P/S CONCRETE SLABS" SHEETS)
- CISS PILE

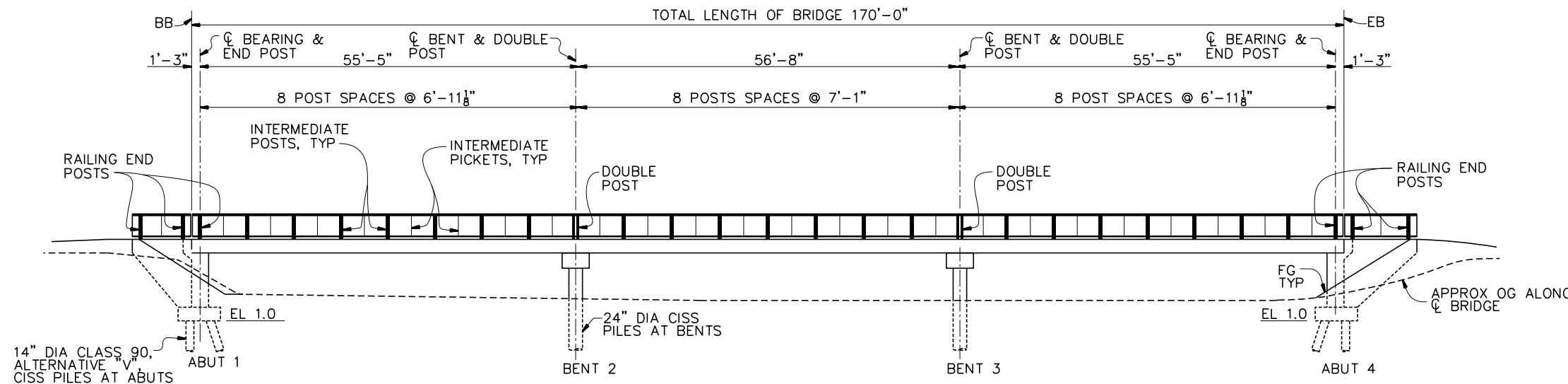
CONCRETE STRENGTH AND TYPE LIMITS

NO SCALE

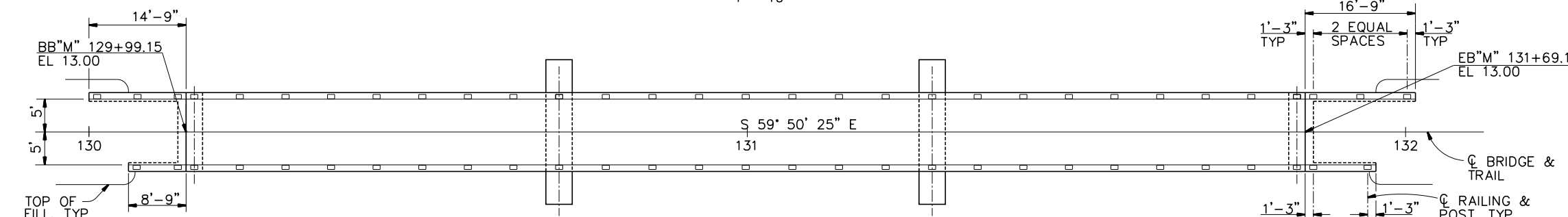
- NOTES:
- FOR ABUTMENT DETAILS SEE SHEET S-502.
 - FOR SLAB DETAILS SEE SHEETS S-506 AND S-507.
 - FOR RAILING DETAILS SEE SHEETS S-511 THROUGH S-513.

		Bar is one inch on original size sheet 		MORRISON STRUCTURES, INC 1890 PARK MARINA DR. REDDING, CALIFORNIA 96001 TELEPHONE (530) 246-8628 FAX (530) 246-8625	Drawn J.GALLINO Designer D. ROESNER Drafting Check R.MORRISON, JR Design Check R.MORRISON, JR Project Manager J.WOLF Date 12/13/2022 Scale AS SHOWN	Client COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS Project HUMBOLDT BAY TRAIL SOUTH Title SOUTH CRC BRIDGE - GENERAL PLAN GHD Project No. 11110166 & 11218356 Original Size ANSI D Sheet No. S-102
No. Issue Drawn Approved Date File name: \ghd\ghd\US\Eureka\Projects\1111110166 Humboldt Bay Trail South PA&ED PS&ED06-CAD_Etran\mto Morrison Structures\11110166_TBK Morrison Structures.dwg Plotted By: Owen Goode Plot Date: 16 Apr 2010 - 2:51 PM						

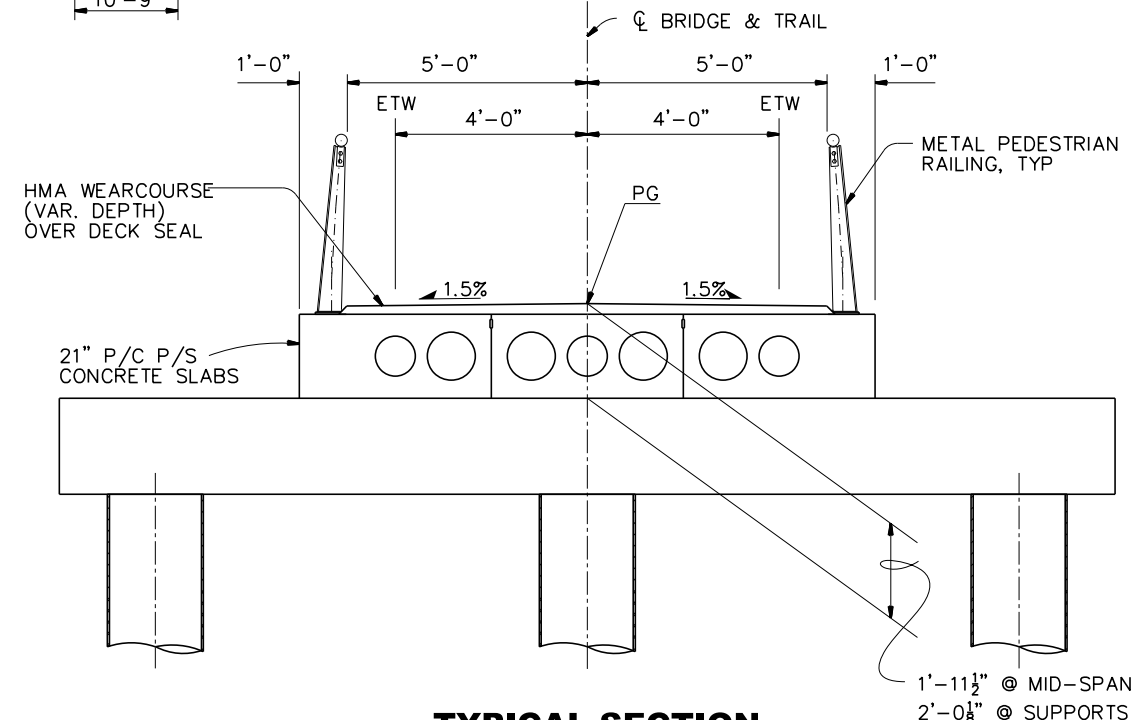
FOR GENERAL NOTES SEE "SOUTH CRC BRIDGE - GENERAL PLAN" SHEET.



ELEVATION
1" = 10'



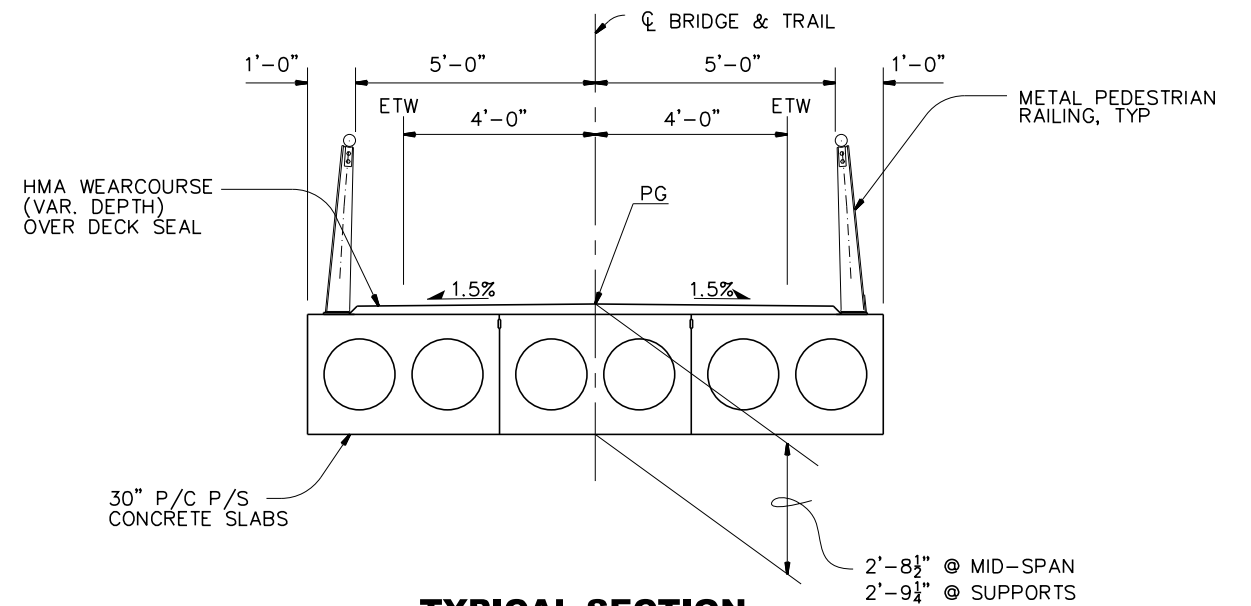
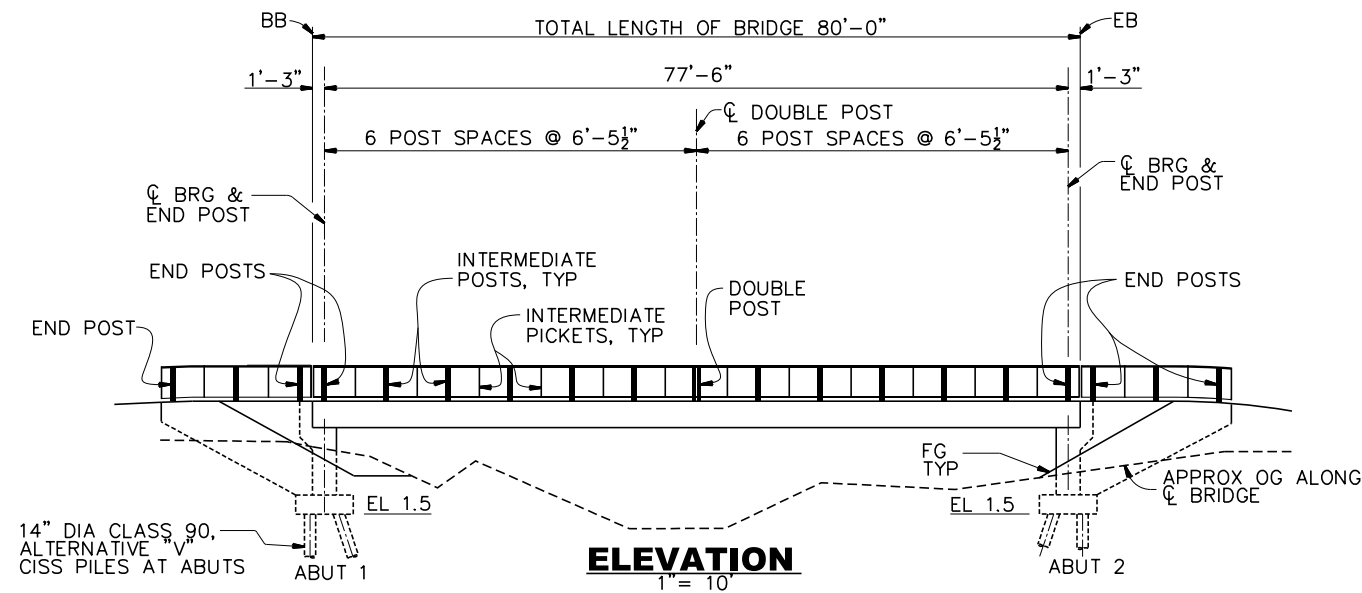
PLAN
1" = 10'



TYPICAL SECTION
1/2" = 1'-0"
NORTH CRC BRIDGE

- NOTES:
1. FOR ABUTMENT DETAILS SEE SHEET S-502.
 2. FOR BENT AND CISS PILE DETAILS SEE SHEETS S-504 AND S-505.
 3. FOR SLAB DETAILS SEE SHEETS S-506 AND S-508.
 4. FOR RAILING DETAILS SEE SHEETS S-511 THROUGH S-513.

	Bar is one inch on original size sheet 0 1"		MORRISON STRUCTURES, INC 1890 PARK MARINA DR. REDDING, CALIFORNIA 96001 TELEPHONE (530) 246-8628 FAX (530) 246-8625	Drawn J.GALLINO	Designer D. ROESNER	Client COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS Project HUMBOLDT BAY TRAIL SOUTH Title NORTH CRC BRIDGE - GENERAL PLAN
				Drafting Check R.MORRISON, JR	Design Check R.MORRISON, JR	
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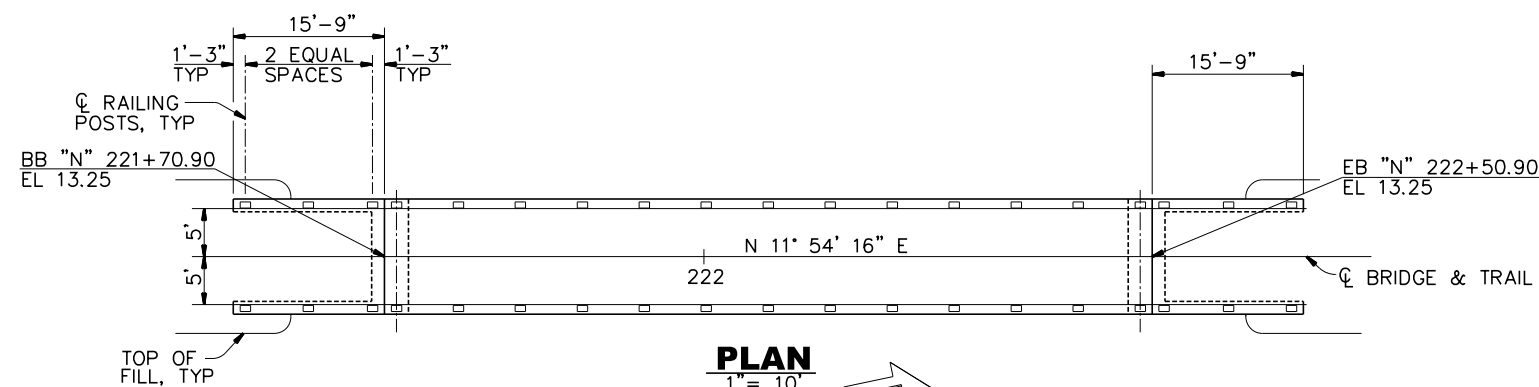


TYPICAL SECTION
1/2" = 1'-0"

BRAINARD SLOUGH BRIDGE

NOTES:

1. FOR ABUTMENT DETAILS SEE SHEET S-502.
2. FOR SLAB DETAILS SEE SHEETS S-506 AND S-509.
4. FOR RAILING DETAILS SEE SHEETS S-511 THROUGH S-513.



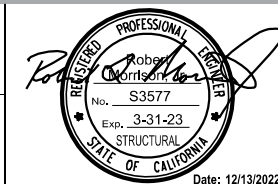
PLAN
1" = 10'
BRAINARD SLOUGH BRIDGE

No.	Issue	Drawn	Approved	Date



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0 1"

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Project Manager	J.WOLF	Date	12/13/2022
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Project	HUMBOLDT BAY TRAIL SOUTH		
Title	BRAINARD SLOUGH BRIDGE - GENERAL PLAN		
GHD Project No.	11110166 & 11218356		
Original Size	ANSI D	Sheet No.	S-104
		Sheet	77 of 108

GENERAL NOTES - NCRA RR BRIDGE:

SPECIFICATIONS: ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE 2021 AREMA MANUAL FOR RAILWAY ENGINEERING.

LIVE LOADING: WALKWAYS - 90PSF OR H 5 VEHICLE

STRUCTURAL STEEL: STEEL PLATES A572 GRADE 50. ANGLES, CHANNELS A36 MIN. ALL STRUCTURAL STEEL SHALL BE GALVANIZED AFTER FABRICATION.

TIMBER: ALL SOLID SAWN TIMBER SHALL BE DOUGLAS FIR-LARCH SELECT STRUCTURAL, MACHINE INCISE. TIES AND TIMBERS SHALL BE FULL SAWN (FS). LAMINATED DECKING SHALL BE SURFACE FOUR SIDES (S4S). GLUED LAMINATED (GL) RAILING SHALL BE DOUG-FIR 16F-E6. MACHINE INCISE. ALL DIMENSIONED CUTS AND HOLES IN GL RAILING SHALL BE MADE PRIOR TO PRESSURE TREATMENT.

TIMBER TREATMENT: PRESSURE TREAT ALL TIMBER WITH COPPER NAPHTHENATE TO THE MINIMUM NET RETENTION AS FOLLOWS:
 DECKING & GUARDS 0.060 PCF
 TIES 0.075 PCF
 RAILING AND POSTS 0.040 PCF
 TREAT ALL FIELD CUTS AND BORES WITH COPPER NAPHTHENATE.

HARDWARE: ALL HARDWARE SHALL BE MIN A307 GALVANIZED BOLTS. ALL STD BOLTS IN TIMBER SHALL HAVE ROUND PLATE WASHERS UNDER THE HEAD AND NUT. TIMBER BOLTS SHALL BE DOME HEADED WITH PLATE WASHERS UNDER NUT.

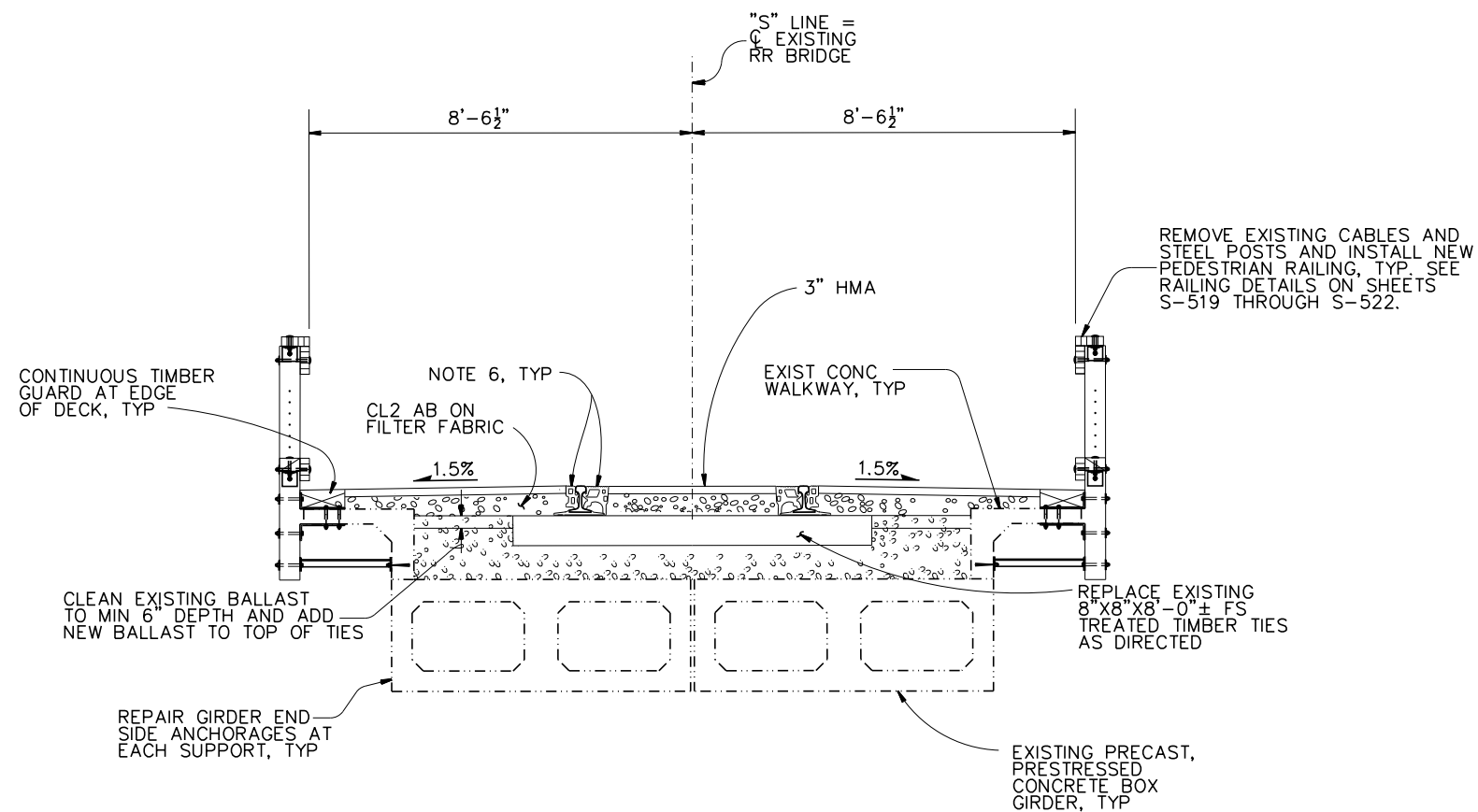
LEGEND: - - - - - INDICATES EXISTING STRUCTURE.
 _____ INDICATES NEW CONSTRUCTION.

DIMENSIONAL VERIFICATION: THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIAL.

NOTES:

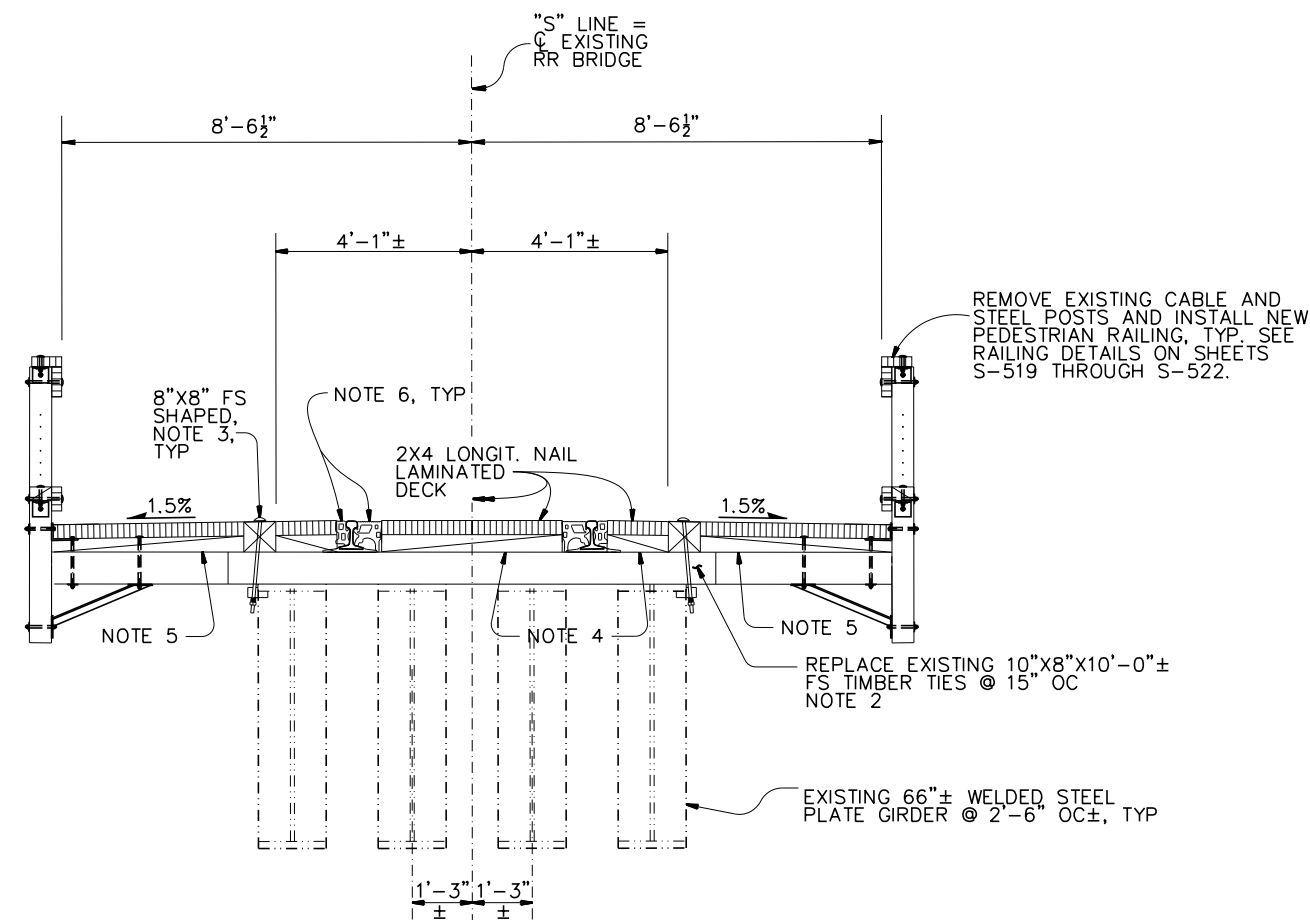
1. PROFILE GRADE = TOP OF EXISTING RAILS.
2. REPLACE RAIL, TIE PLATES AND SPIKES WITH NEW TIE PLATES AND SPIKES, MATCH SAME PATTERN AS EXISTING.
3. REPLACE EXISTING GUARDS, SPIKES, AND DECK CLIPS. MATCH SAME PATTERN AS EXISTING.
4. 5 1/2" MIN WIDE TIMBER SUPPORT BLOCK, CUT TO HT, CENTERED, AND ATTACHED TO NEW TIE WITH 5/8" DIA X 10" LAG SCREWS AT 11" O.C., MIN 2 PER BLOCK.
5. 8" MIN WIDE TIMBER SUPPORT BLOCK, CUT TO HT, CENTERED AND ATTACHED TO NEW OUTRIGGER TIE WITH 4 - 5/8" DIA X 10" LAG SCREWS AT 11" O.C.
6. INSTALL FLANGE WAY FILLER STRIPS EACH SIDE OF EACH STEEL RAIL. SEE TRAIL PLANS FOR DETAILS.

ABBREVIATIONS:
 FS FULL SAWN
 GL GLUED LAMINATED



SPANS 1 THRU 5 AND 7 THRU 22
P/C, P/S CONCRETE BOX GIRDER- TYPICAL SECTION

1/2" = 1'-0"



SPAN 6 STEEL PLATE GIRDER - TYPICAL SECTION

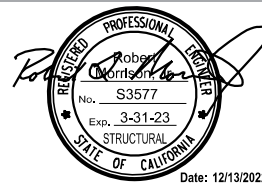
1/2" = 1'-0"

No.	Issue	Drawn	Approved	Date



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 0 1"

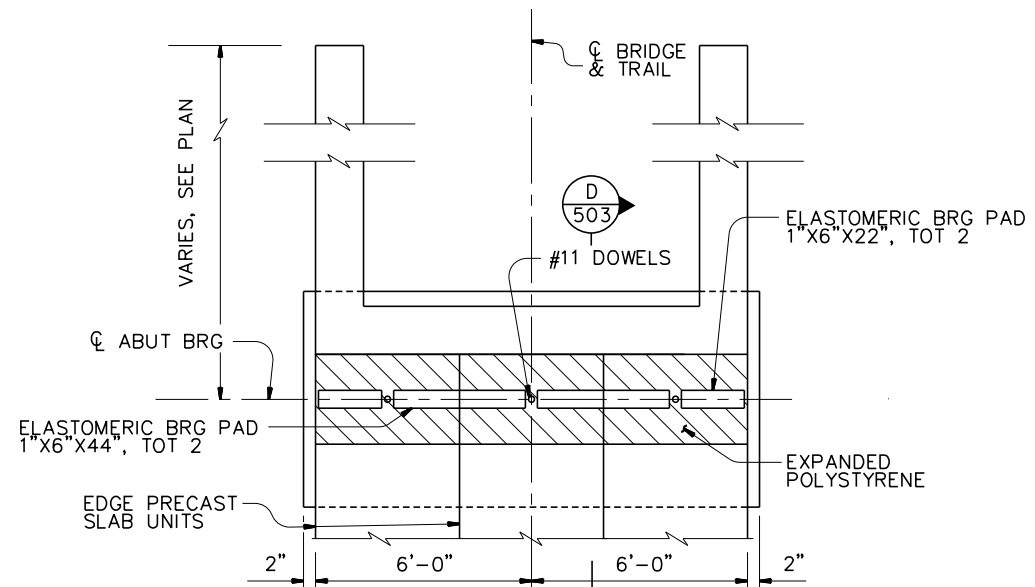
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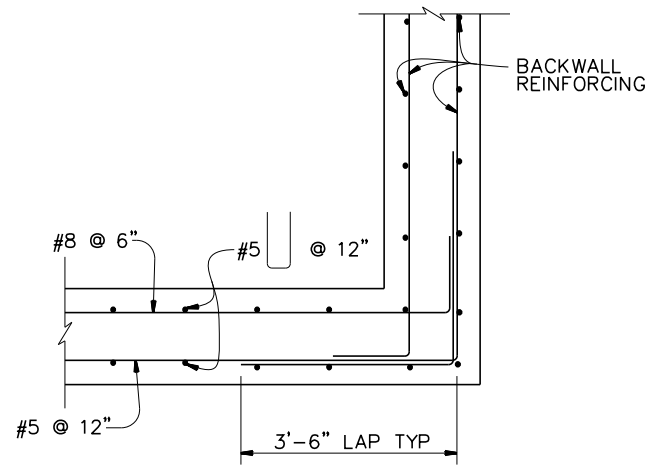
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Drafting Check	R.MORRISON, JR	Design Check	R.MORRISON, JR
Project Manager	J.WOLF	Date	12/13/2022
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Client	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
Project	HUMBOLDT BAY TRAIL SOUTH
Title	EUREKA SLOUGH BRIDGE - TYPICAL SECTIONS
GHD Project No.	11110166 & 11218356
Original Size	ANSI D
Sheet No.	S-501



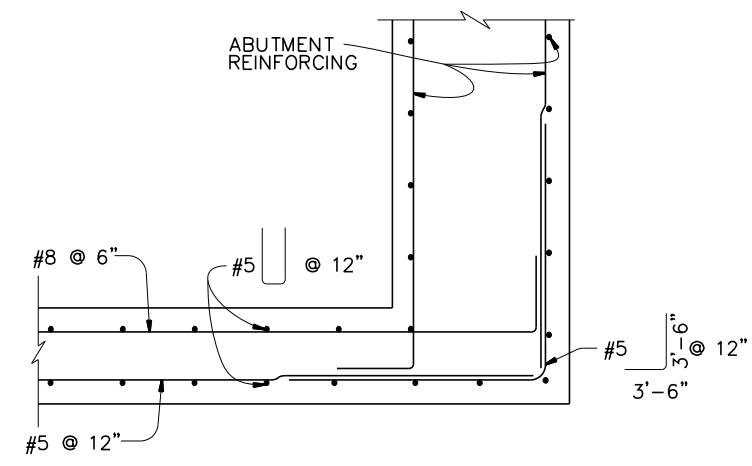
ABUTMENT PLAN
3/8" = 1"-0"



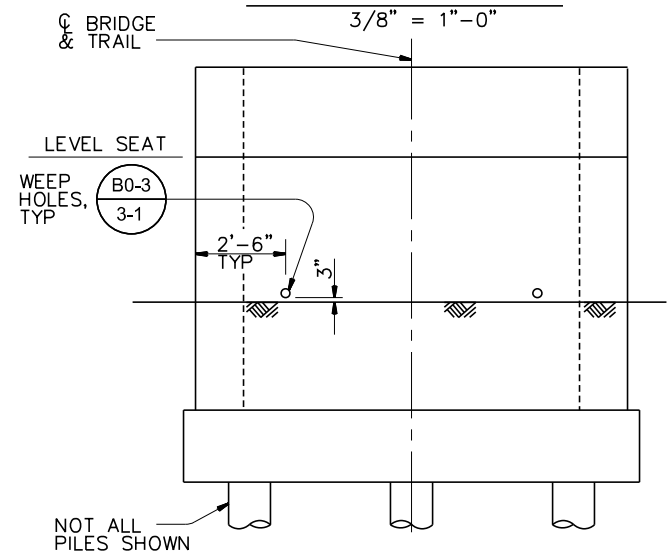
B SECTION
3/4" = 1"-0"

- NOTE:
- ALL BAR REINFORCEMENT SHALL BE EPOXY COATED.
 - SEE "GENERAL PLAN" SHEETS FOR BOTTOM OF FOOTING ELEVATION.
 - DRIVE ALL ABUTMENT PILES TO THE SPECIFIED TIP ELEVATION AS FOLLOWS:

BRIDGE	TIP ELEVATION
SOUTH CRC BRIDGE	-51.0
NORTH CRC BRIDGE	-71.5
BRAINARD SLOUGH BRIDGE	-50.0

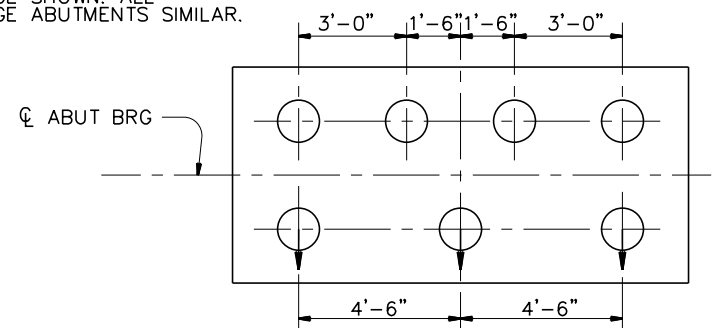


C SECTION
3/4" = 1"-0"



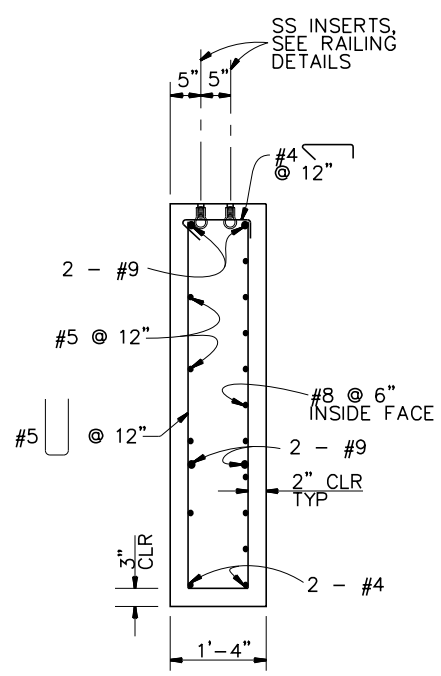
ABUTMENT ELEVATION
3/8" = 1"-0"

NOTE:
ABUTMENT 1 AT
BRAINARD SLOUGH
BRIDGE SHOWN. ALL
BRIDGE ABUTMENTS SIMILAR.

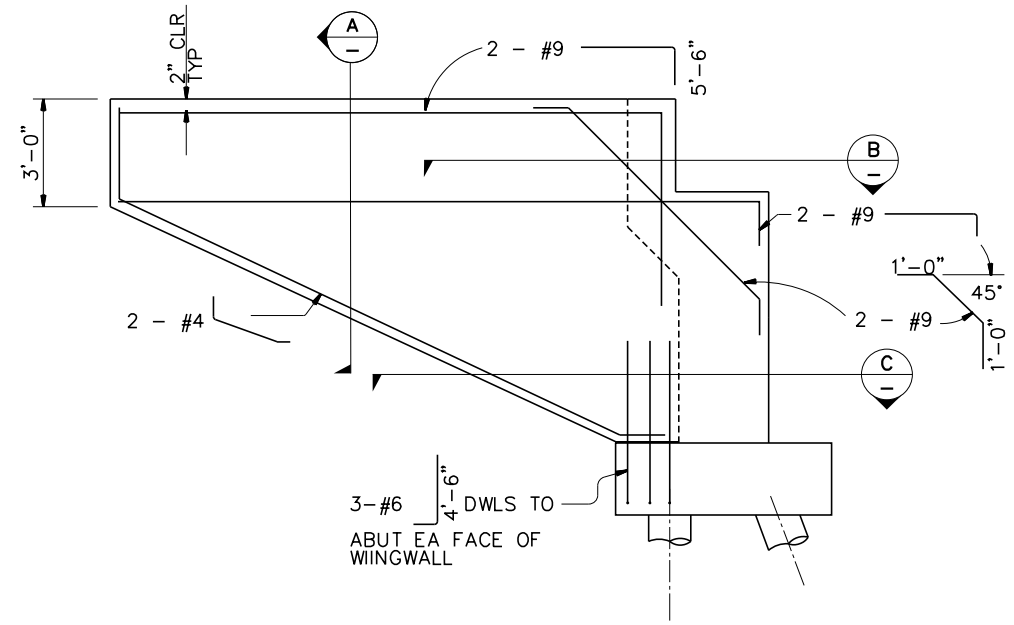


PILE LAYOUT
3/8" = 1"-0"

○ INDICATES VERTICAL PILE
◑ INDICATES 1:3 BATTERED PILES



A SECTION
3/4" = 1"-0"



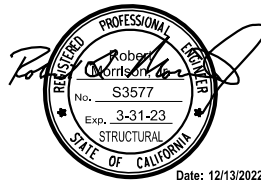
WINGWALL ELEVATION
3/8" = 1"-0"

No.	Issue	Drawn	Approved	Date



Bar is one inch on original size sheet
0 1"

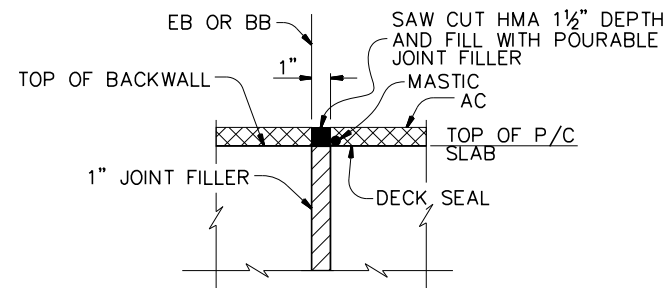
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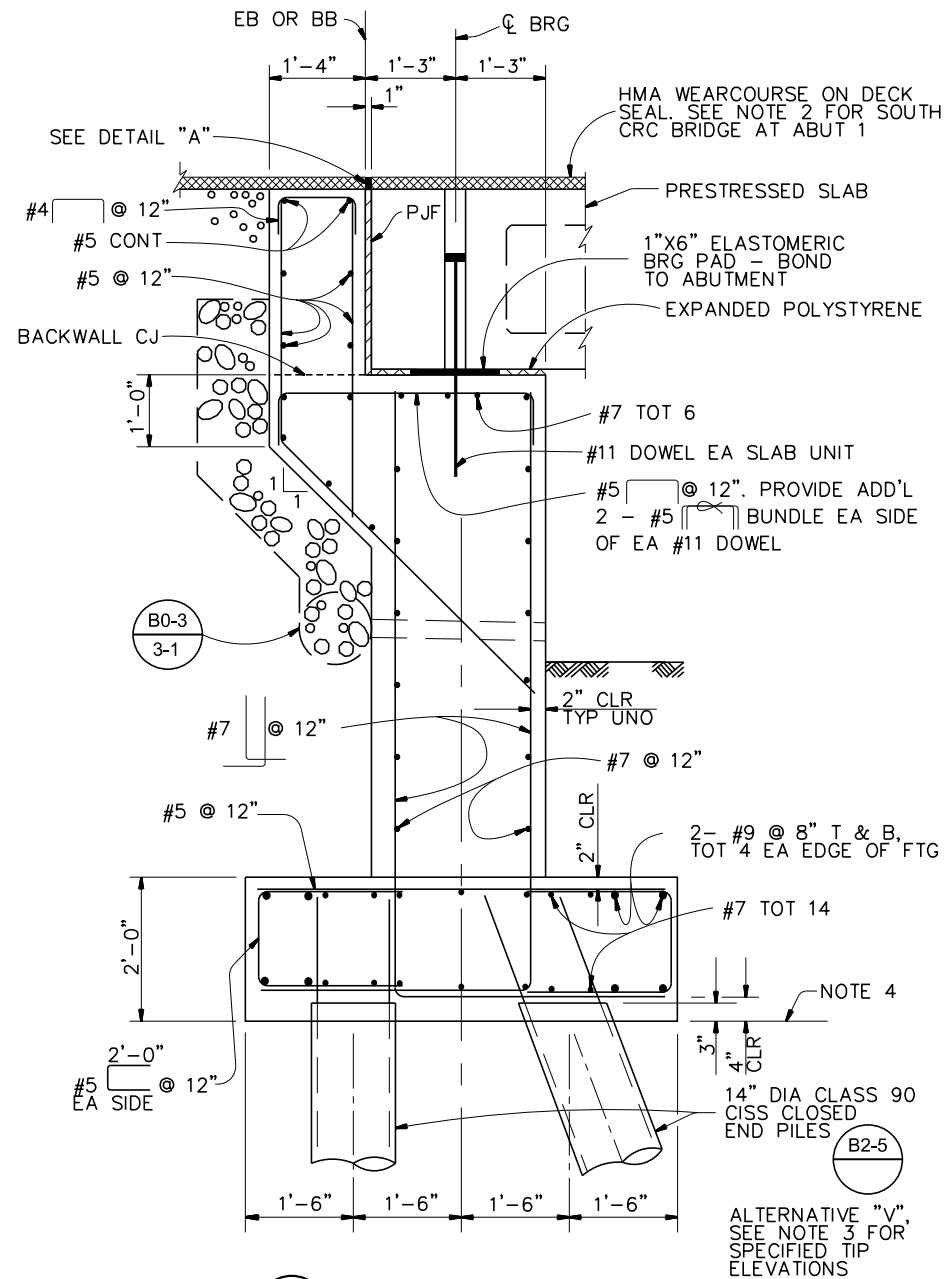
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Project Manager	J.WOLF	Date	12/13/2022
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Project	HUMBOLDT BAY TRAIL SOUTH		
Title	P/C BRIDGES - ABUTMENT DETAILS No. 1		
GHD Project No.	11110166 & 11218356		
Original Size	ANSI D	Sheet No.	S-502
Plotted By: Owen Goode		File Name:	ghdnet\ghd\US\Eureka\Projects\1111110166 Humboldt Bay Trail South PA&ED PS&E06-CAD_Etranmbto Morrison Structures\11110166_TBLK Morrison Structures.dwg



DETAIL A
NO SCALE



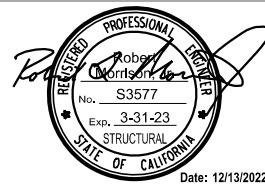
D ABUTMENT SECTION
502 3/4" = 1'-0"

No.	Issue	Drawn	Approved	Date



Bar is one inch on original size sheet
0 1"

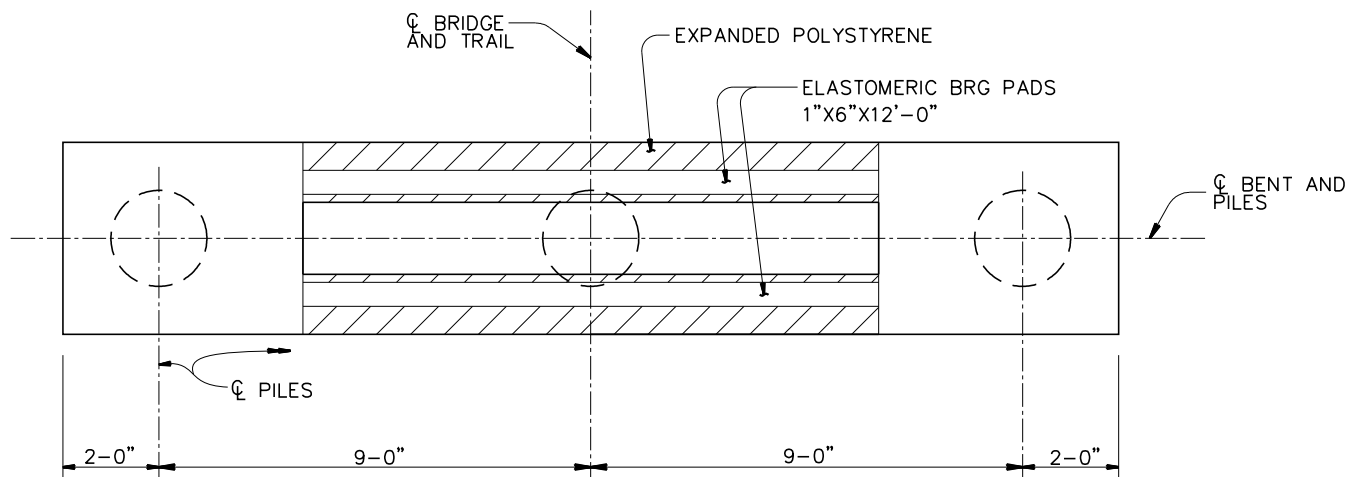
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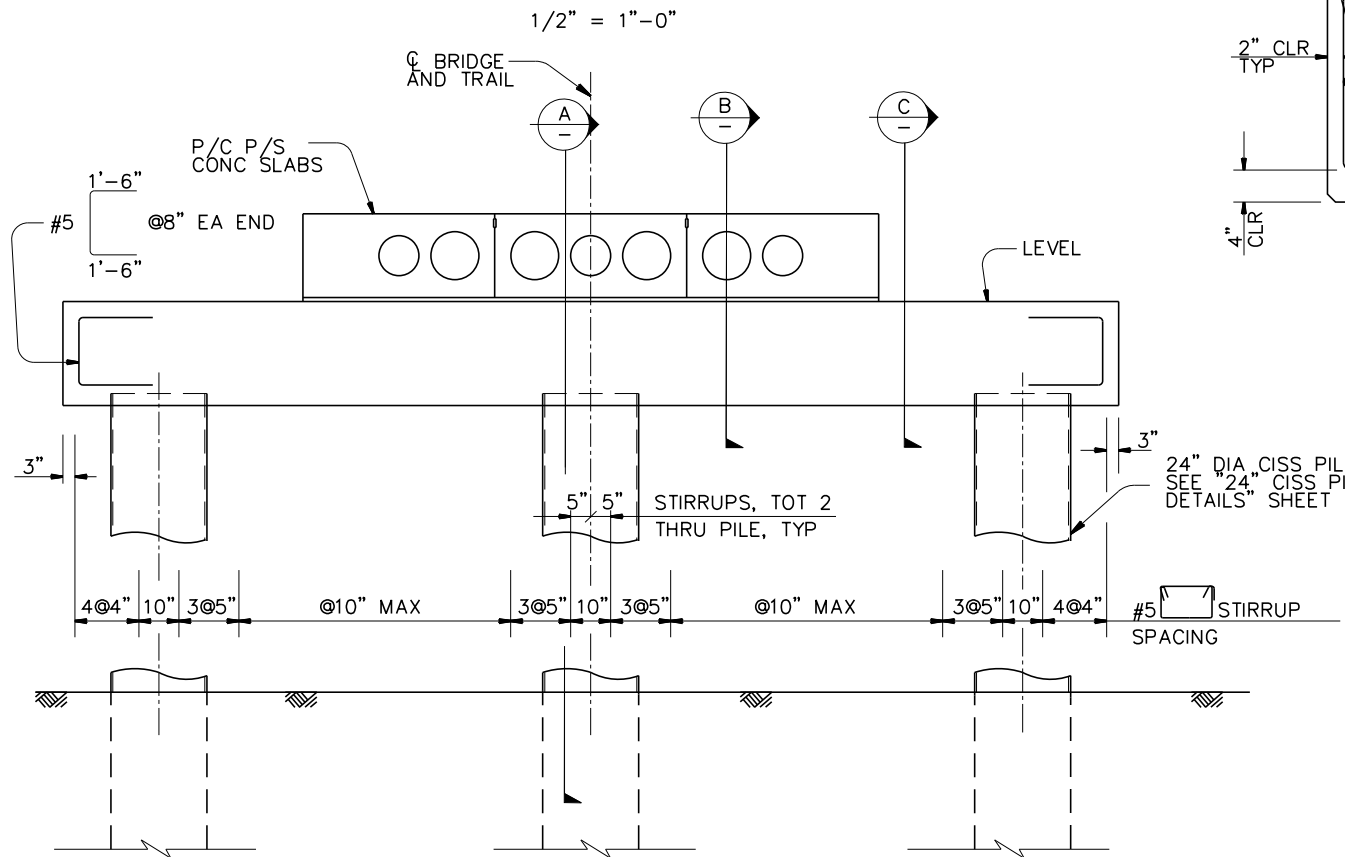
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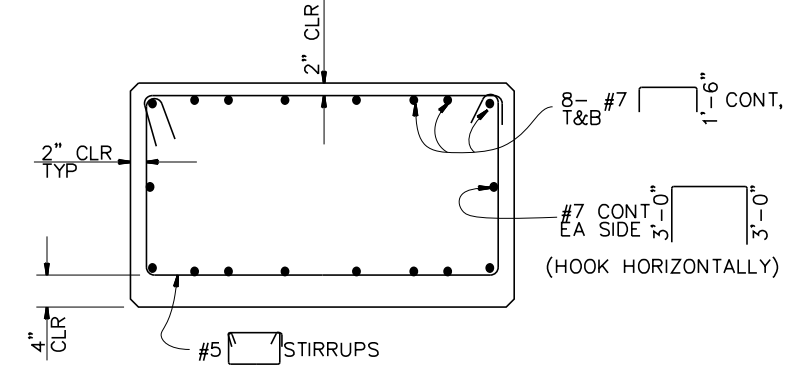
Client	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
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GHD Project No.	11110166 & 11218356
Original Size	ANSI D
Sheet No.	S-503



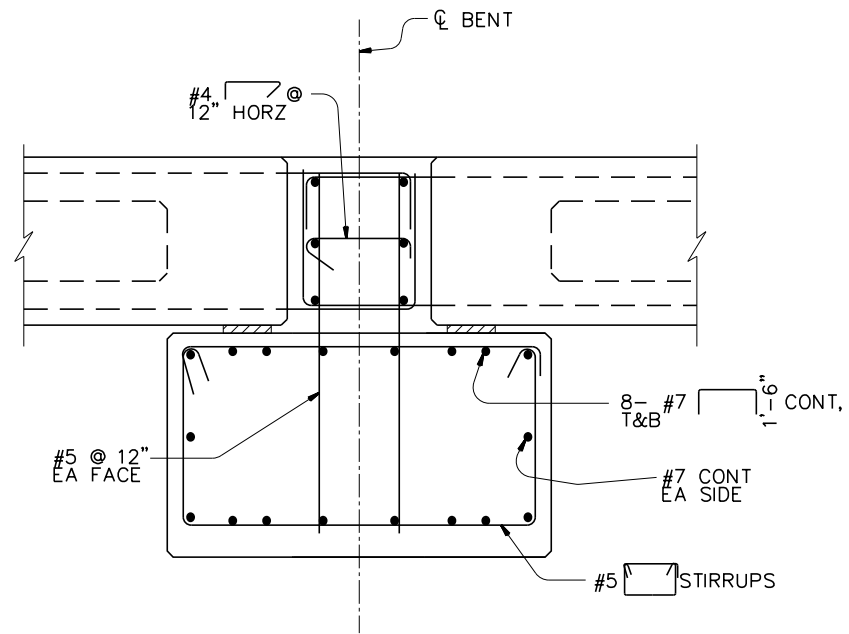
BENT PLAN
1/2" = 1'-0"



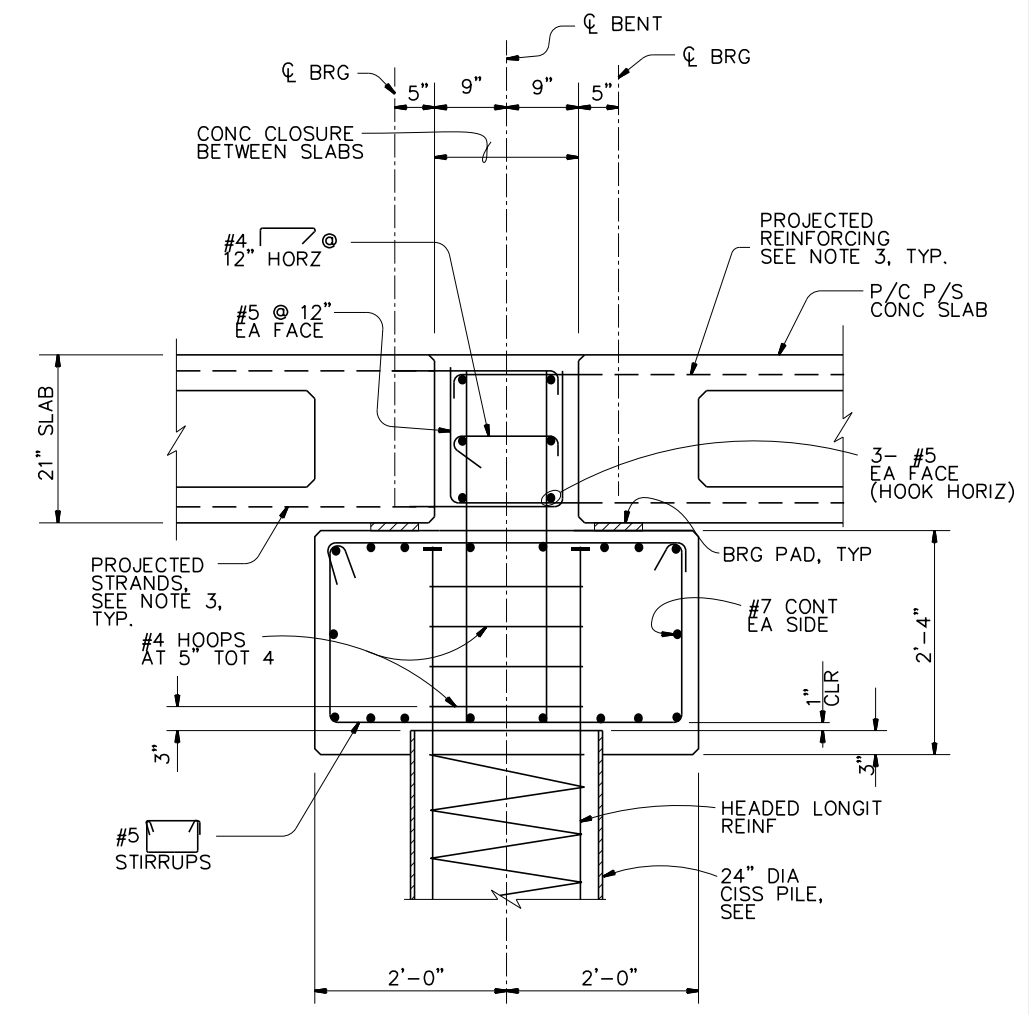
BENT ELEVATION
1/2" = 1'-0"



C SECTION
1" = 1'-0"



B SECTION
1" = 1'-0"



A SECTION
1" = 1'-0"

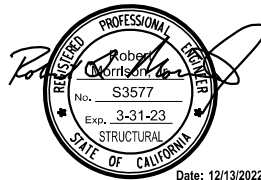
- NOTES:
1. ALL BAR REINFORCING SHALL BE EPOXY COATED.
 2. AN ULTIMATE BUTT SPLICE SHALL BE USED AT ALL HOOPS.
 3. FOR PROJECTED STRAND AND PROJECTED REINFORCING SEE "P/C CONCRETE SLAB NORTH CRC BRIDGE" SLAB ELEVATION DETAIL.

No.	Issue	Drawn	Approved	Date



Bar is one inch on original size sheet
0 1"

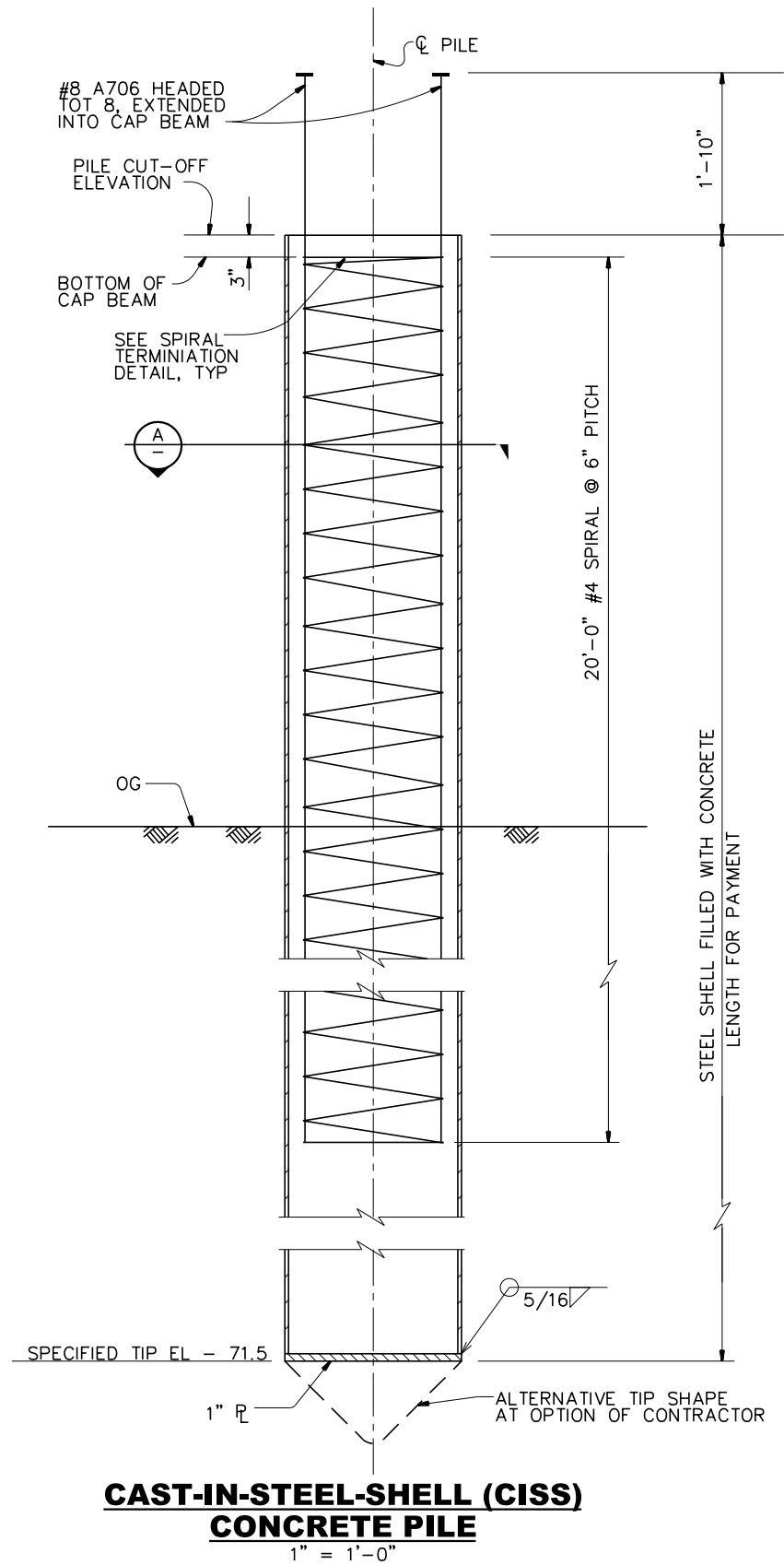
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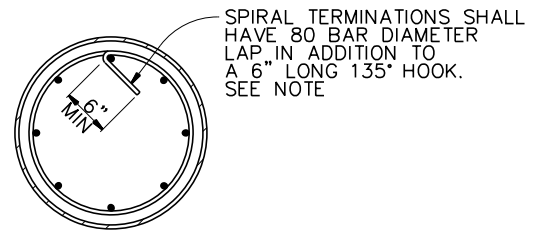
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Drawn	J.GALLINO	Designer	D. ROESNER
Drafting Check	R.MORRISON, JR	Design Check	R.MORRISON, JR
Project Manager	J.WOLF	Date	12/13/2022
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Project	HUMBOLDT BAY TRAIL SOUTH		
Title	P/C BRIDGE BENT DETAILS		
GHD Project No.	11110166 & 11218356		
Original Size	ANSI D	Sheet No.	S-504
		Sheet	81 of 108

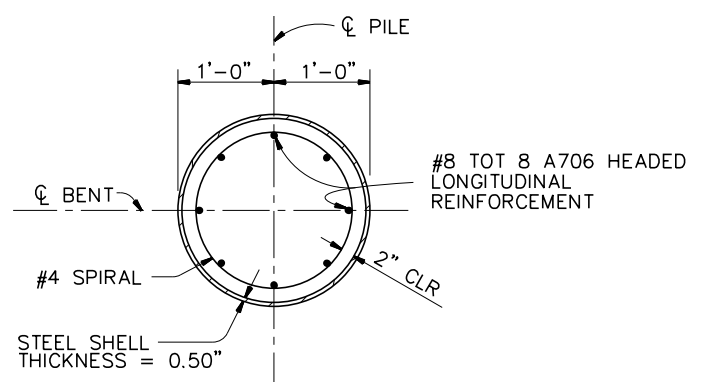


- NOTES:
1. NO SPLICES ALLOWED IN PILE LONGITUDINAL REINFORCEMENT
 2. NO SPLICES ALLOWED IN SPIRAL REINFORCEMENT.
 3. ALL BAR REINFORCEMENT SHALL BE EPOXY COATED.



NOTE:
HOOKS FOR SPIRAL TERMINATIONS DETAIL SHALL LINE UP SO AS NOT TO INTERFERE WITH CONSTRUCTION OPERATION

SPIRAL TERMINATION DETAIL



A SECTION
1" = 1'-0"

CAST-IN-STEEL-SHELL (CISS) CONCRETE PILE

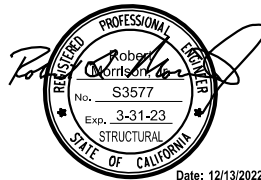
1" = 1'-0"

No.	Issue	Drawn	Approved	Date



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0 1"

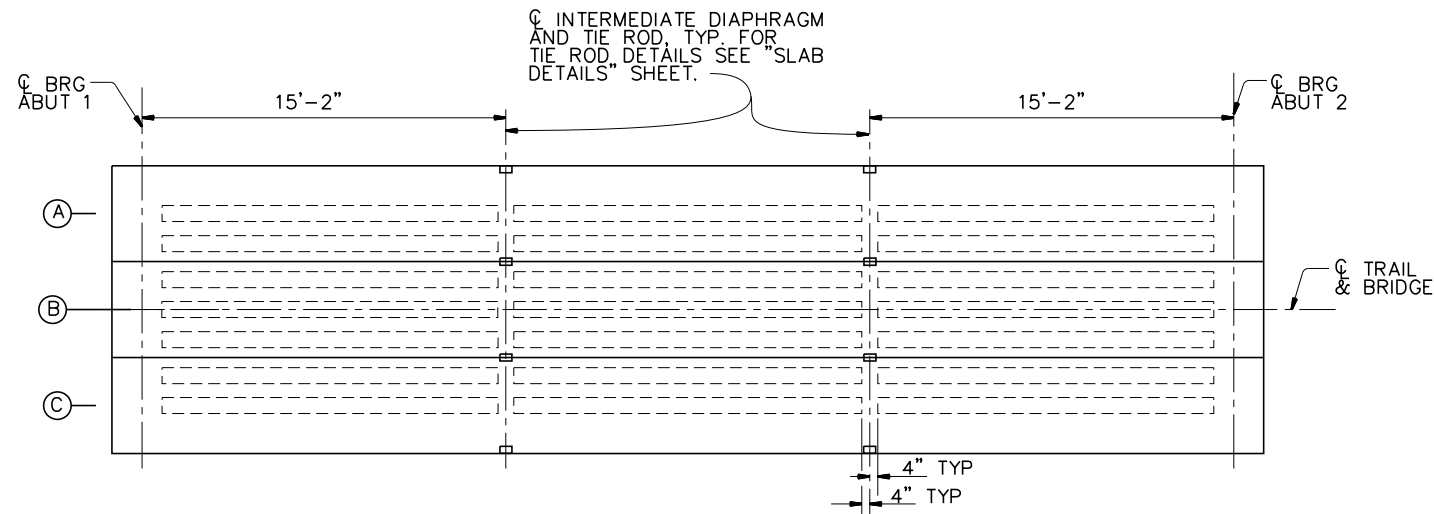
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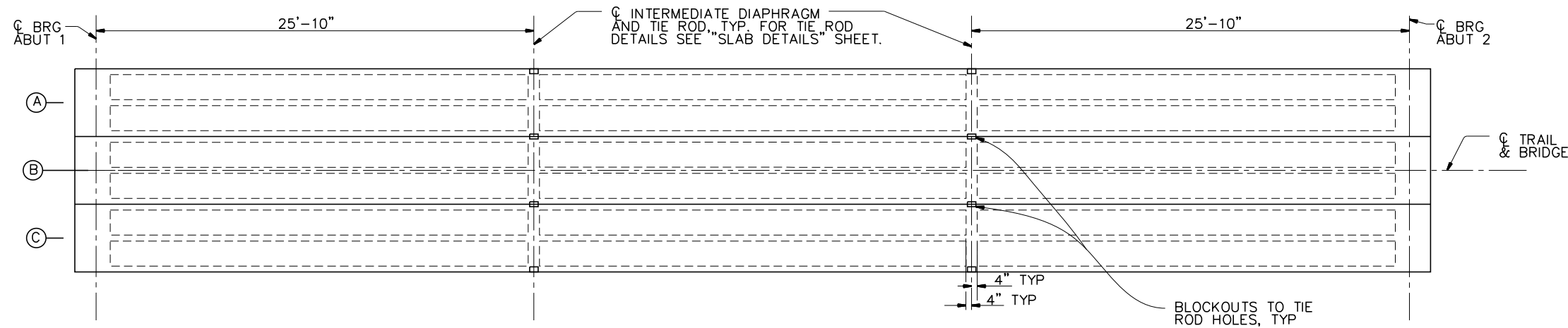
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Project	HUMBOLDT BAY TRAIL SOUTH
Title	24" CISS PILE DETAILS
GHD Project No.	11110166 & 11218356
Original Size	ANSI D
Sheet No.	S-505



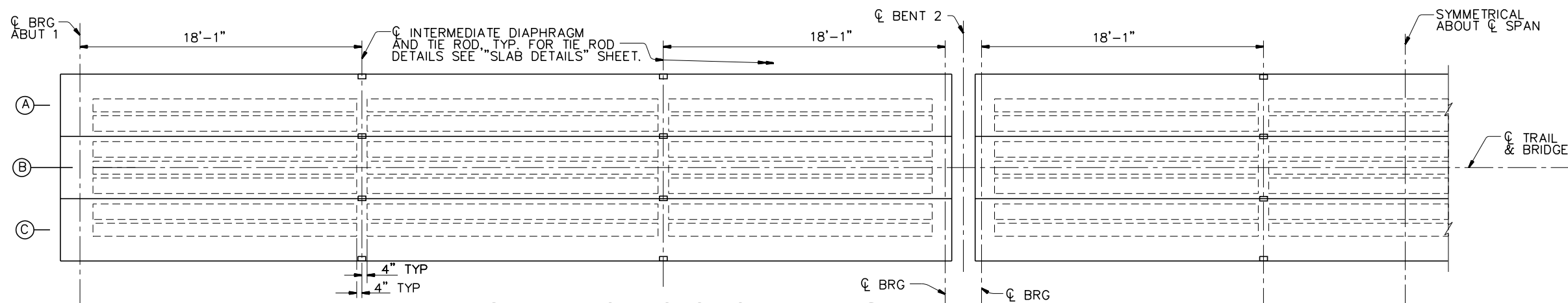
SLAB LAYOUT-CRC SOUTH BRIDGE

1/4" = 1'-0"



SLAB LAYOUT-BRAINARD SLOUGH BRIDGE

1/4" = 1'-0"



SLAB LAYOUT-CRC NORTH BRIDGE

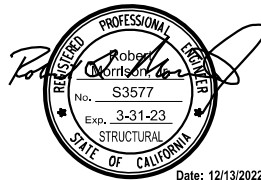
1/4" = 1'-0"

No.	Issue	Drawn	Approved	Date



Bar is one inch on original size sheet
0 1"

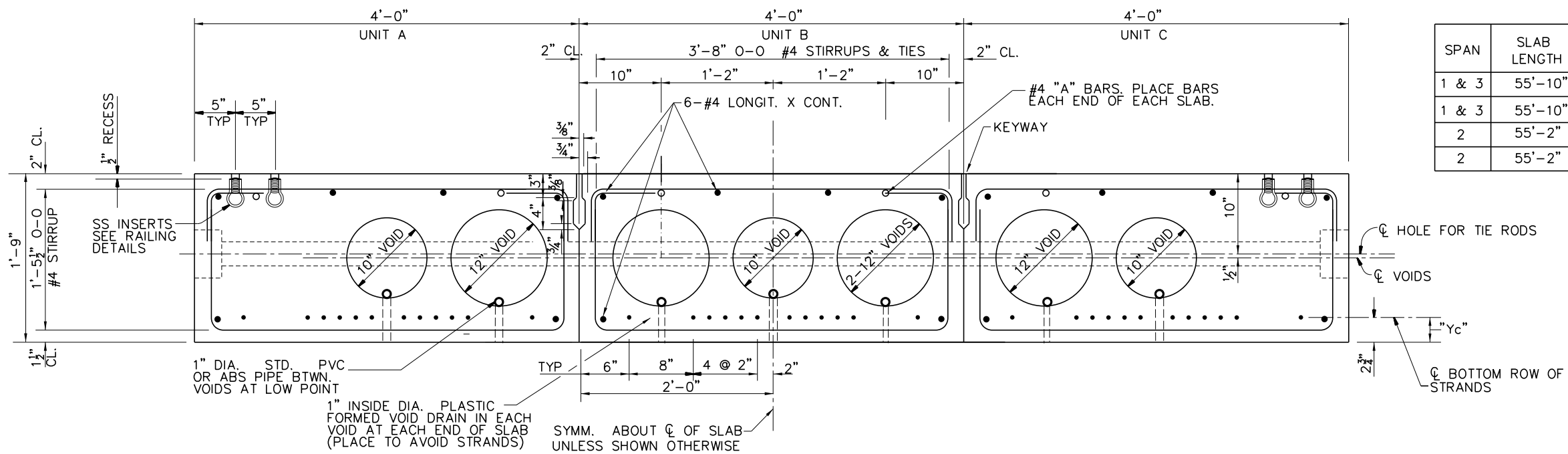
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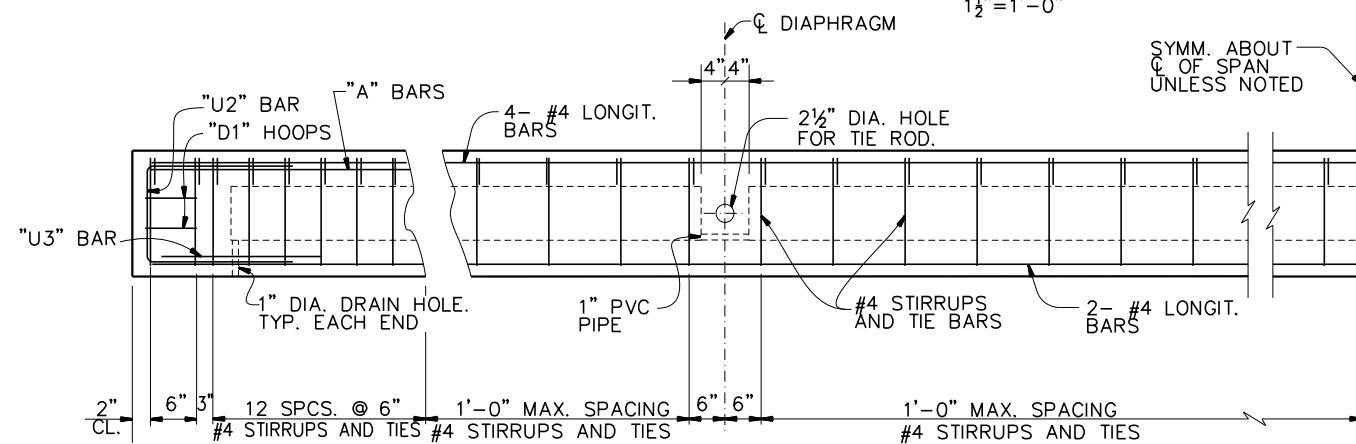
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Project Manager	J.WOLF	Date	12/13/2022
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Project	HUMBOLDT BAY TRAIL SOUTH
Title	PC BRIDGES SLAB LAYOUTS
GHD Project No.	11110166 & 11218356
Original Size	ANSI D
Sheet No.	S-506

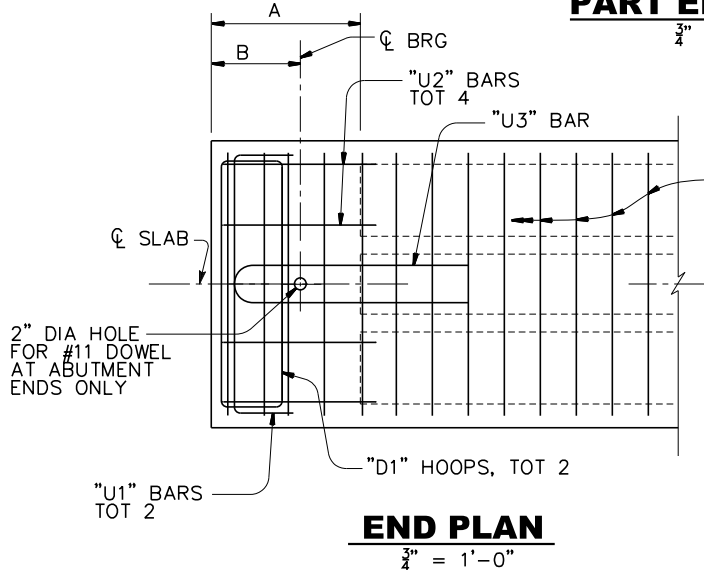
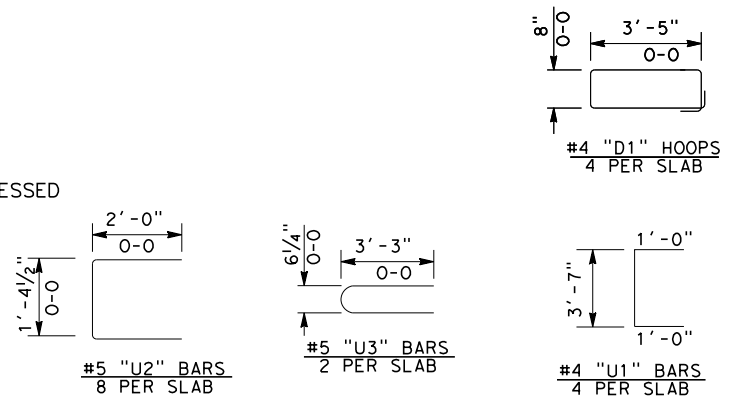


SPAN	SLAB LENGTH	TYPICAL SECTION	TOTAL NO. OF STRANDS	"A" BARS	Y _c
1 & 3	55'-10"	Units A & C	12	2-#4x8'-0"	2.75"
1 & 3	55'-10"	Unit B	12	2-#4x8'-0"	2.75"
2	55'-2"	Units A & C	12	2-#4x8'-0"	2.75"
2	55'-2"	Unit B	12	2-#4x8'-0"	2.75"

- NOTES:**
- ALL BAR REINFORCING SHALL BE EPOXY COATED.
 - Y_c = c.g.s. PRESTRESSING STRANDS
 - FOR GENERAL NOTES FOR PRESTRESSING SEE "SLAB DETAILS" SHEET.

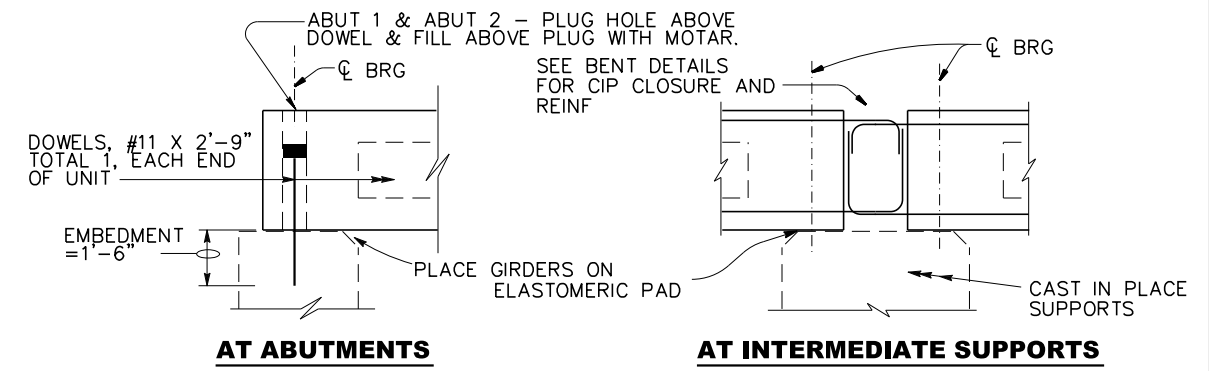


INTERMEDIATE SUPPORT - SLAB END CONDITIONS
3/4" = 1'-0"



SUPPORT LOCATION TABLE

SUPPORT LOCATION	A	B
ABUTMENT 1	2'-0"	1'-2"
PIER 2	1'-3"	5"
PIER 3	1'-3"	5"
ABUTMENT 4	2'-0"	1'-2"



SUPPORT DETAILS

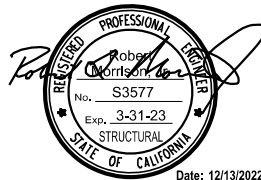
NO SCALE

No.	Issue	Drawn	Approved	Date



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0 1"

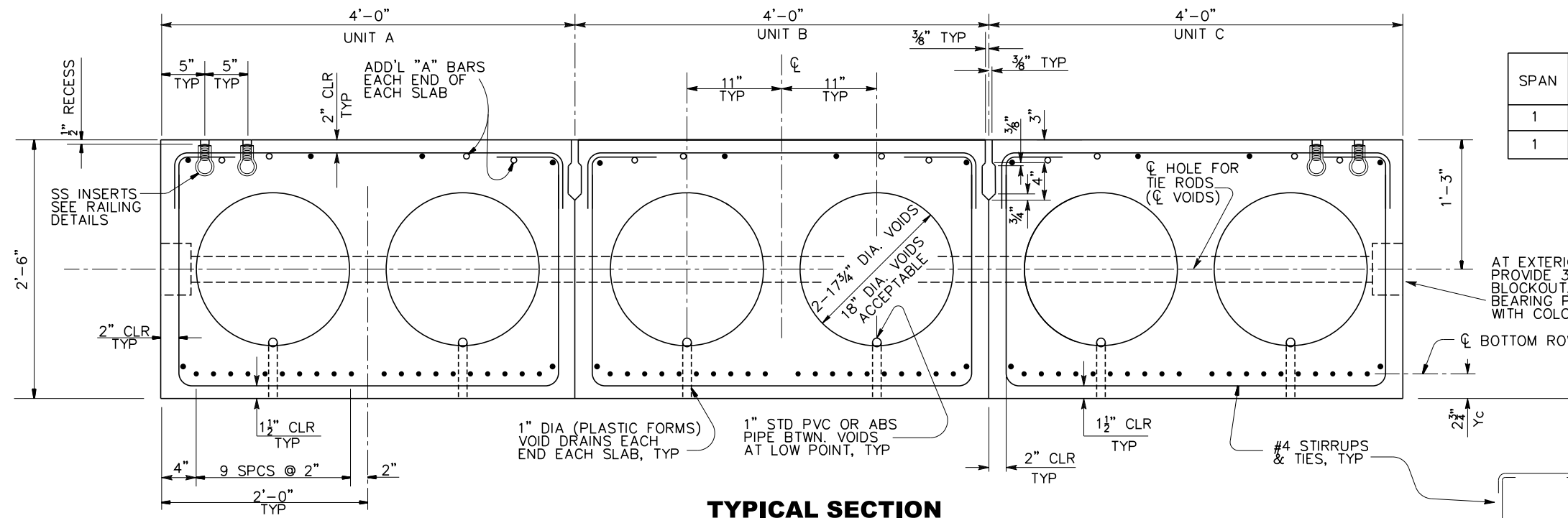
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Project Manager	J.WOLF	Date	12/13/2022
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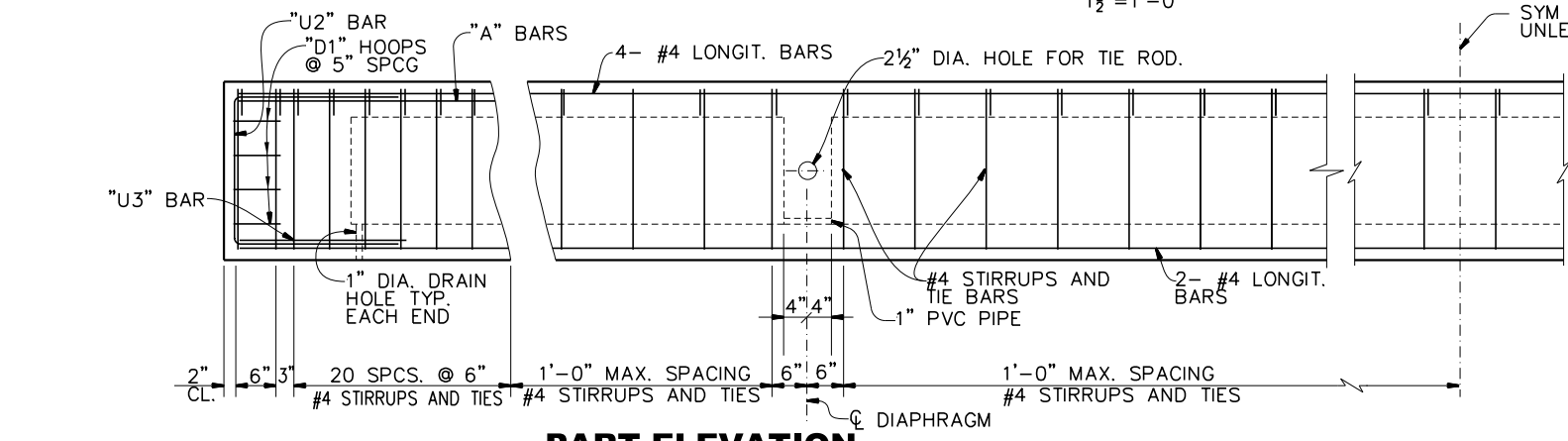
Client	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS		
Project	HUMBOLDT BAY TRAIL SOUTH		
Title	P/S CONCRETE SLABS NORTH CRC BRIDGE		
GHD Project No.	11110166 & 11218356		
Original Size	ANSI D	Sheet No.	S-508
Sheet	85	of	108



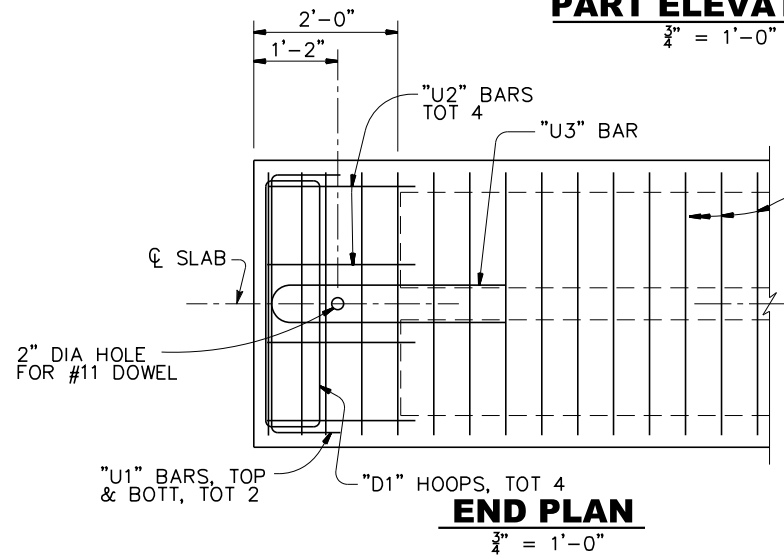
SPAN	SLAB LENGTH	TYPICAL SECTION	TOTAL NO. OF STRANDS	"A" BARS	Y _c
1	79'-10"	Unit A & C	20	4-#5x9'-0"	2 3/4"
1	79'-10"	Unit B	20	4-#5x9'-0"	2 3/4"

- NOTES:**
- ALL BAR REINFORCING SHALL BE EPOXY COATED.
 - Y_c = c.g.s. PRESTRESSING STRANDS.
 - FOR GENERAL NOTES FOR PRESTRESSING SEE "SLAB DETAILS" SHEET.

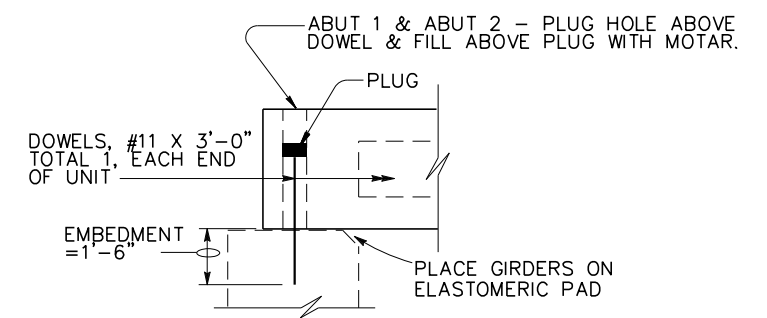
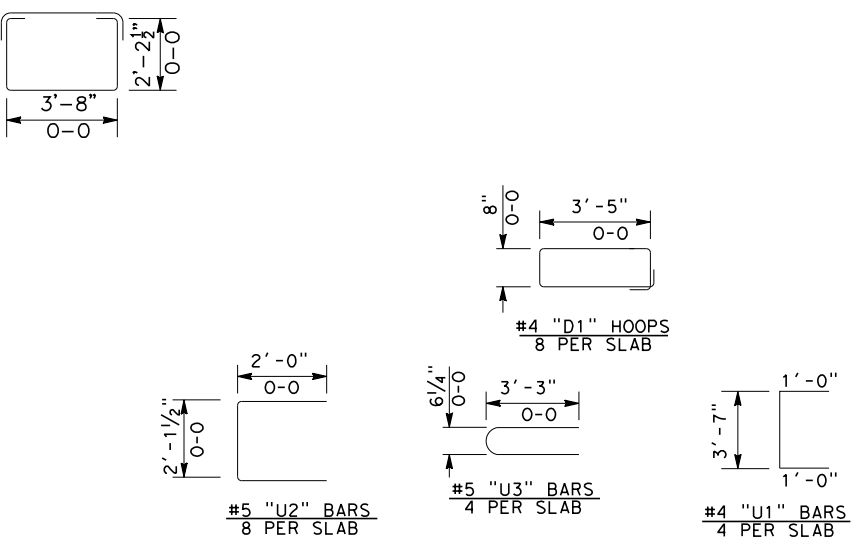
TYPICAL SECTION
1 1/2" = 1'-0"



PART ELEVATION
3/4" = 1'-0"



END PLAN
3/4" = 1'-0"



AT ABUTMENTS
SUPPORT DETAILS
NO SCALE

No.	Issue	Drawn	Approved	Date



Bar is one inch on original size sheet
0 1"

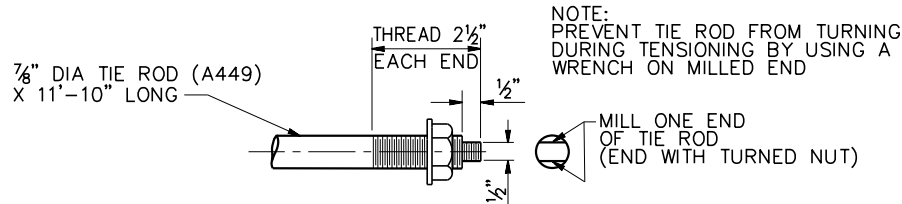
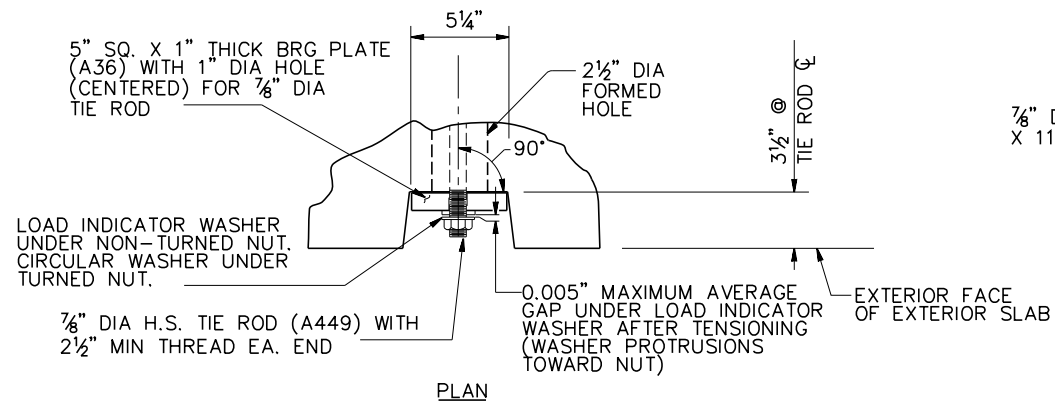
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Project Manager	J.WOLF	Date	12/13/2022
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Client	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
Project	HUMBOLDT BAY TRAIL SOUTH
Title	P/S CONCRETE SLABS BRAINARD SLOUGH BRIDGE
GHD Project No.	11110166 & 11218356
Original Size	ANSI D
Sheet No.	S-509
Sheet	86 of 108

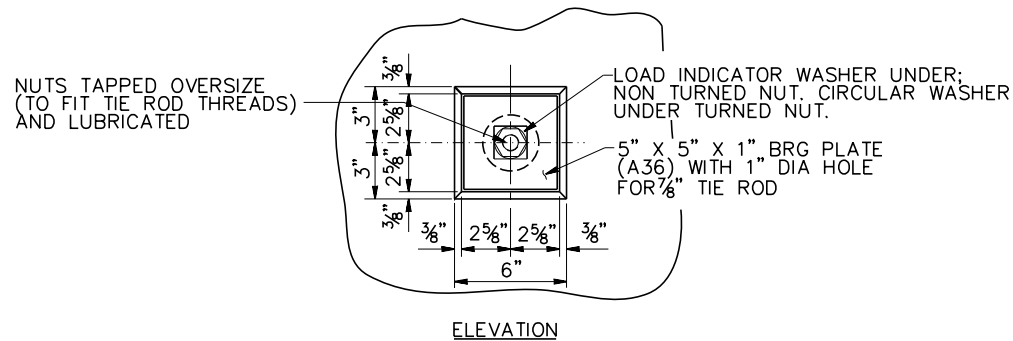


TENSIONING END OF TIE ROD

NOT TO SCALE

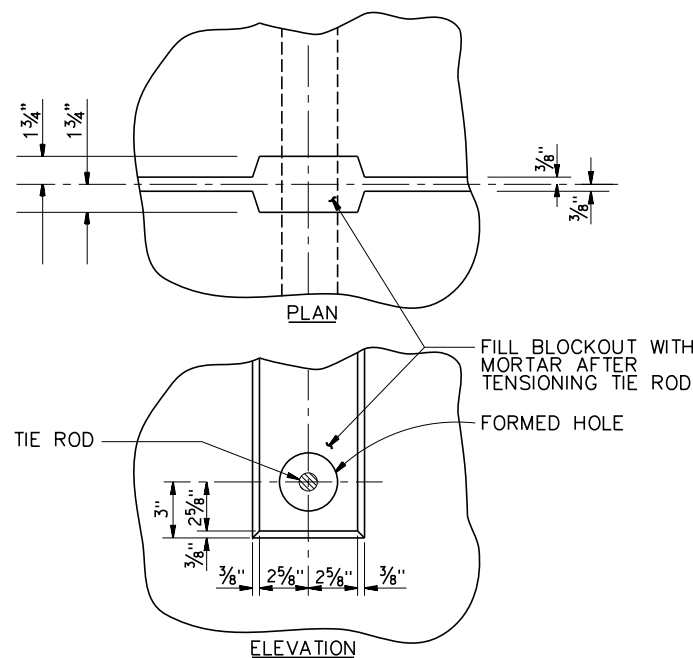
GENERAL NOTES FOR PRESTRESSED SLABS:

1. PRETENSIONING STEEL SHALL BE 7-WIRE, 0.60" DIAMETER, LOW RELAXATION STRAND. THE INITIAL TENSILE FORCE APPLIED TO EACH STRAND SHALL BE 43,943 LBS.
2. ALL BAR REINFORCING SHALL BE EPOXY COATED.
3. CONCRETE STRENGTH AT TIME OF STRESSING 4500 PSI, F'c = 5500 PSI AT 28 DAYS.
4. LIVE LOADING = 90 PSF OR H5 DESIGN VEHICLE.
5. KEYWAYS TO BE FILLED WITH MORTAR. SAND BLAST KEYWAYS AFTER FORMS ARE STRIPPED.
6. SEE OTHER SHEETS FOR RAILING REQUIREMENTS. VERIFY INSERT LOCATIONS PRIOR TO CASTING SLABS.
7. TIE RODS SHALL BE A449 H.S. 7/8" DIA AND SHALL BE TIGHTENED TO A MINIMUM TENSION OF 39.25 KIPS. HOT DIP GALVANIZE TIE RODS, PLATES, NUTS (HEAVY HEX), AND WASHERS (EXCEPT LOAD INDICATOR WASHERS SHALL BE MECHANICALLY GALVANIZED).
8. DECK SURFACES OF UNITS SHALL BE GIVEN A MEDIUM BROOM FINISH TRANSVERSE TO THE LENGTH OF THE UNIT. SACK FINISH EXPOSED SIDES OF EXTERNAL UNITS.
9. KEEP SLABS UPRIGHT AT ALL TIMES. SUPPORT THEM WITHIN 2'-0" OF THE ENDS, INCLUDING DURING STORAGE.



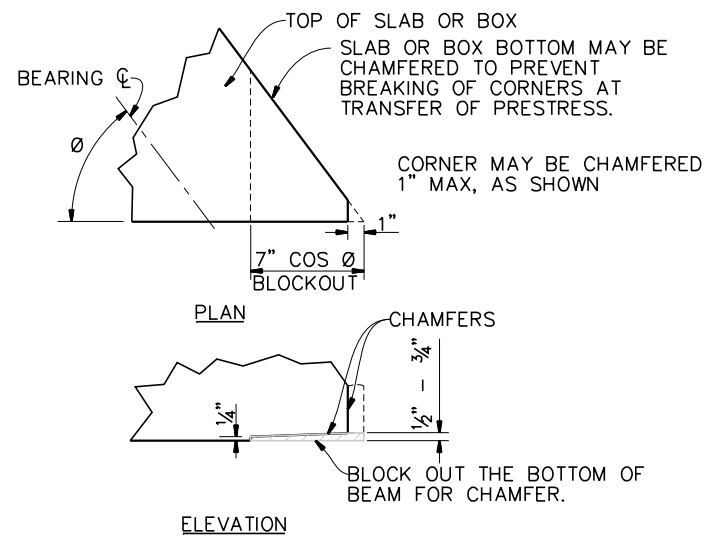
TIE ROD END ANCHORAGE

NOT TO SCALE

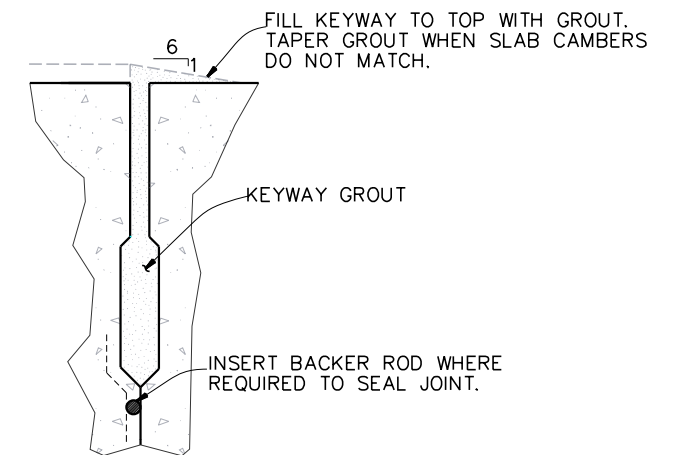


TIE ROD INTERIOR BLOCKOUT

NOT TO SCALE



PARTIAL ELEVATION CHAMFER DETAIL



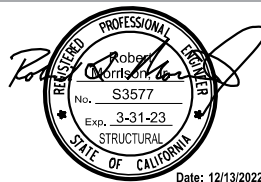
KEYWAY GROUT DETAIL

No.	Issue	Drawn	Approved	Date



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0 1"

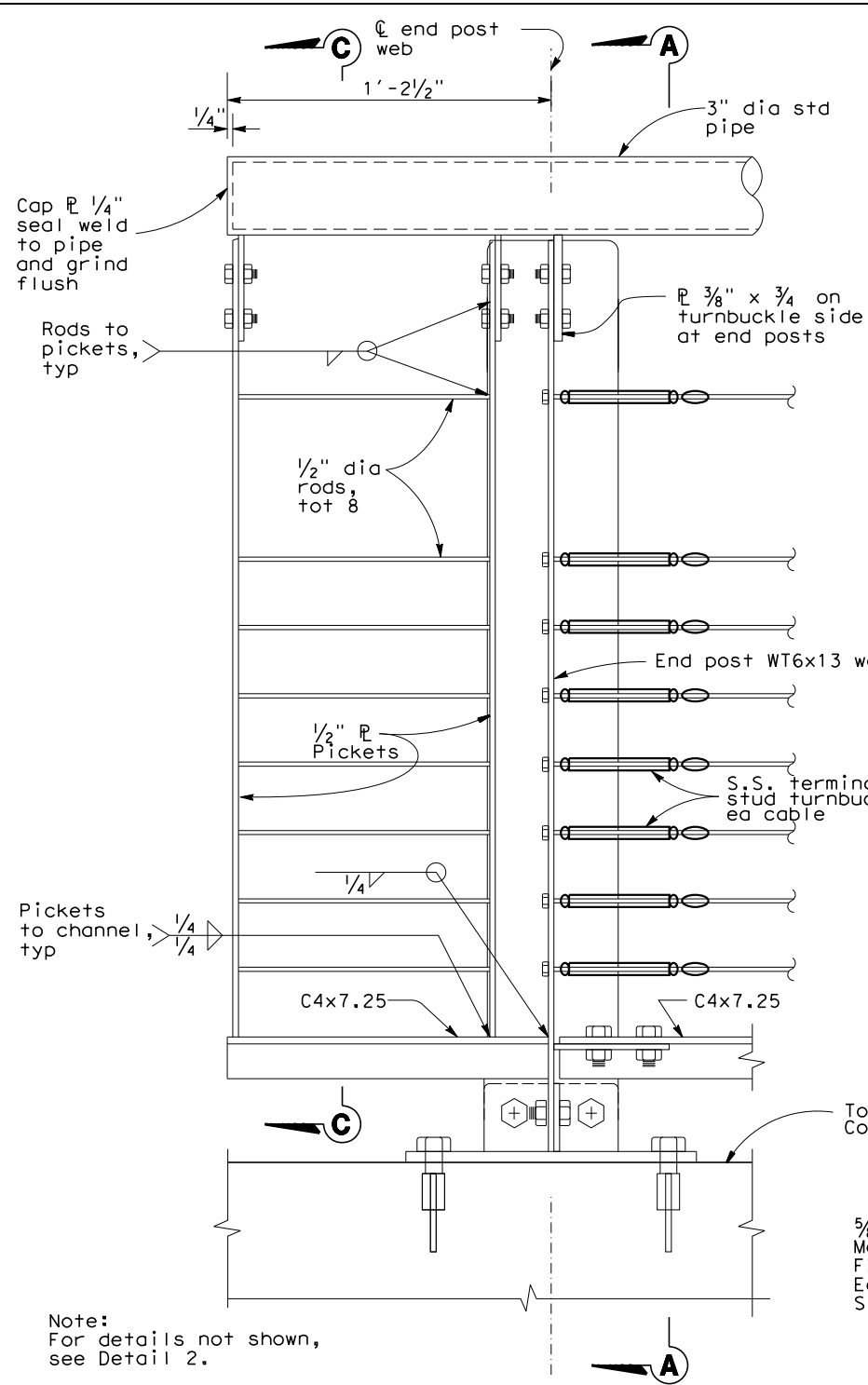
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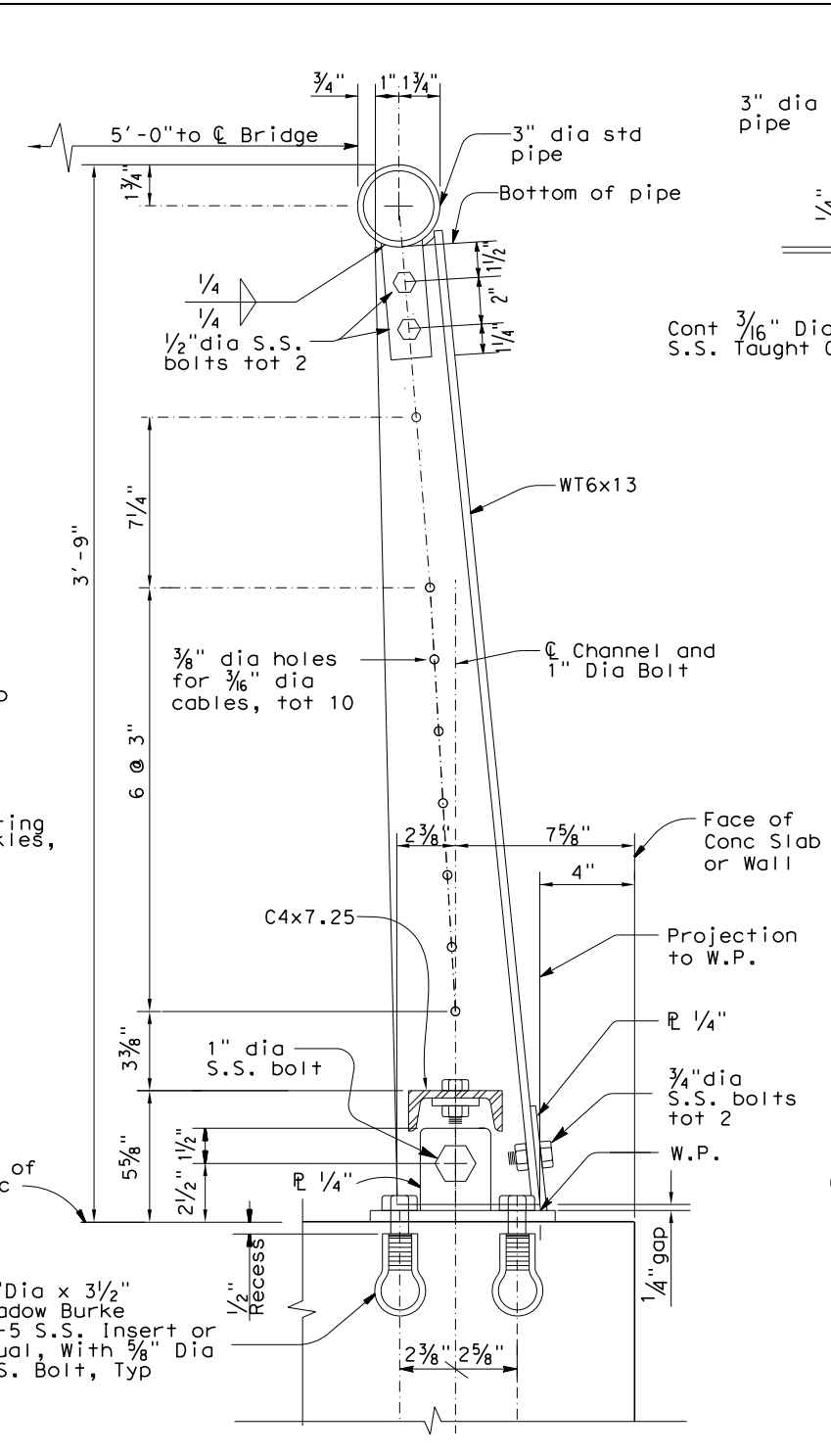
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Project Manager	J.WOLF	Date	12/13/2022
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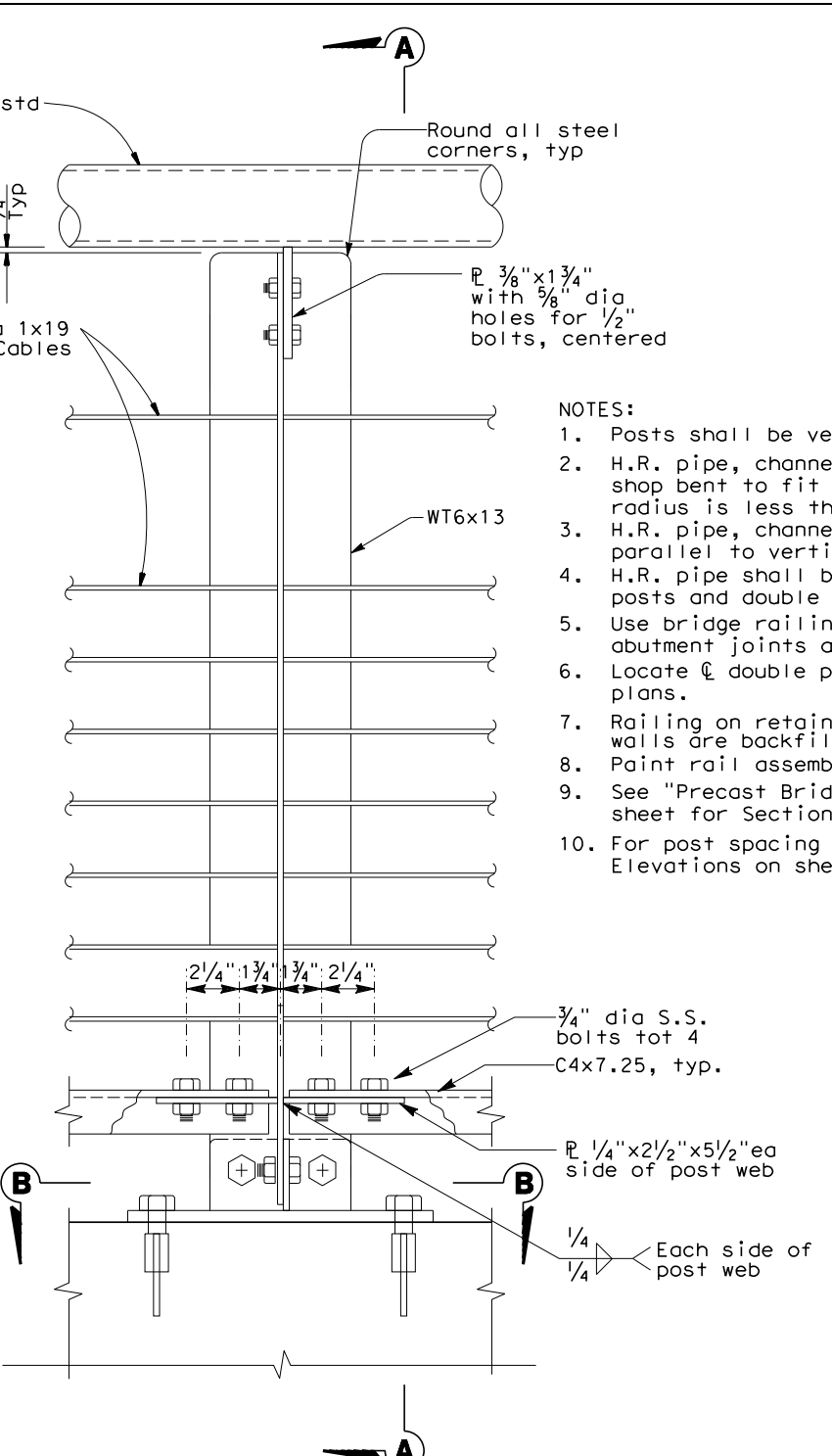
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Project	HUMBOLDT BAY TRAIL SOUTH
Title	SLAB DETAILS
GHD Project No.	11110166 & 11218356
Original Size	ANSI D
Sheet No.	S-510



DETAIL 1 - RAILING END POST
3"=1'-0"



SECTION A-A
3"=1'-0"



DETAIL 2 - INTERMEDIATE POST
3"=1'-0"

- NOTES:**
1. Posts shall be vertical.
 2. H.R. pipe, channels and cables shall be shop bent to fit horizontal curve when curve radius is less than 950'.
 3. H.R. pipe, channel and cables shall be parallel to vertical alignment.
 4. H.R. pipe shall be continuous between end posts and double posts.
 5. Use bridge railing end Ea side of abutment joints and at end of wingwalls.
 6. Locate center double posts where shown on plans.
 7. Railing on retaining walls to be placed after walls are backfilled.
 8. Paint rail assembly after fabrication.
 9. See "Precast Bridge-Railing Details No. 2" sheet for Sections B-B and C-C.
 10. For post spacing and rail layout see Elevations on sheets S-102 through S-104.

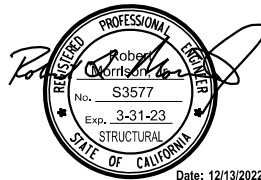
Note:
For details not shown,
see Detail 2.

No.	Issue	Drawn	Approved	Date



Bar is one inch on original size sheet
0 1"

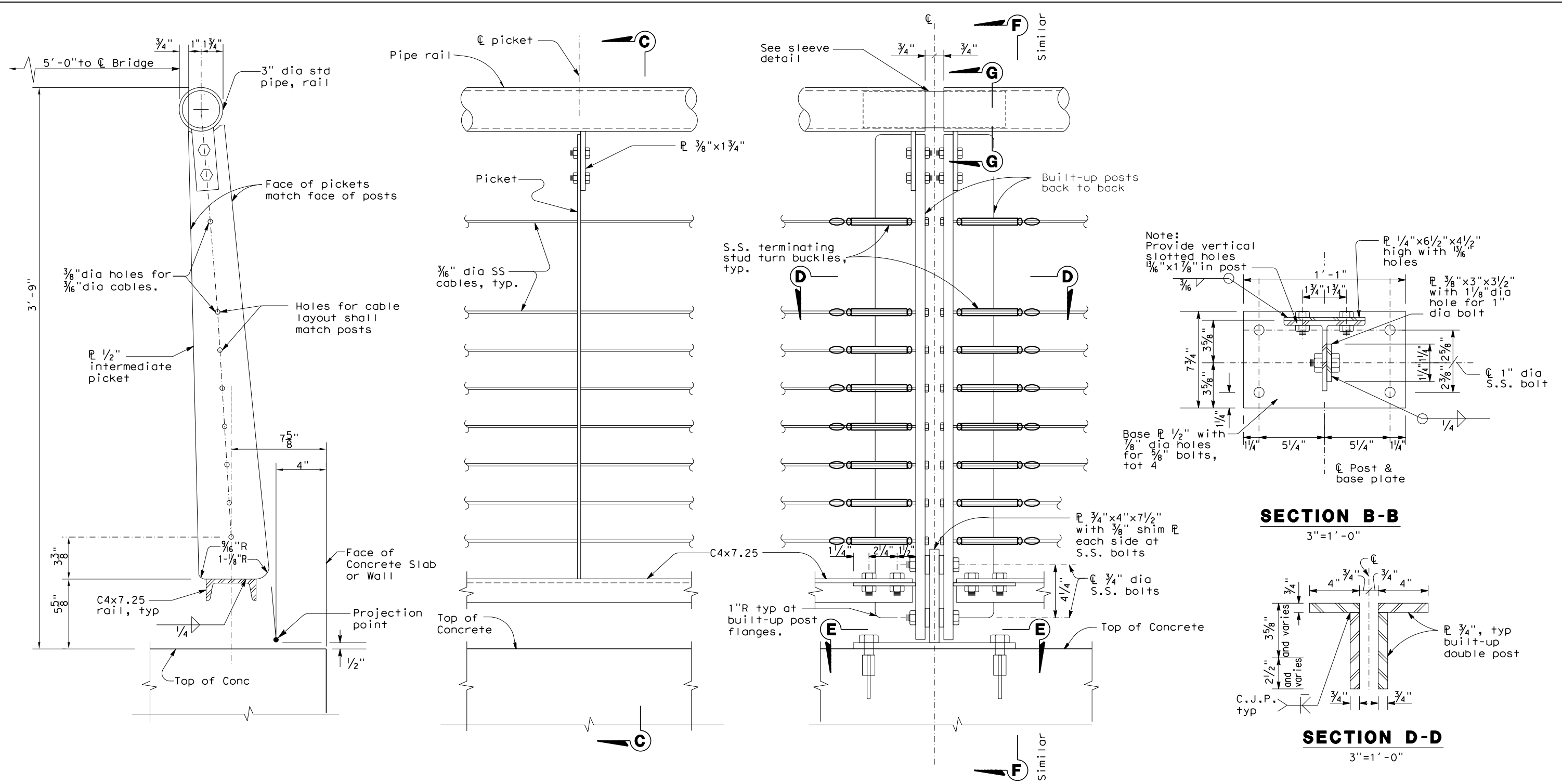
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Project	HUMBOLDT BAY TRAIL SOUTH
Title	PRE CAST BRIDGE - RAILING DETAILS No. 1
GHD Project No.	11110166 & 11218356
Original Size	ANSI D
Sheet No.	S-511
Sheet	88 of 108



SECTION C-C
3"=1'-0"

DETAIL 3 - INTERMEDIATE PICKET
3"=1'-0"

DETAIL 4 - DOUBLE POST
3"=1'-0"

SECTION B-B
3"=1'-0"

SECTION D-D
3"=1'-0"

- Notes:
- For section F-F and G-G See "Precast Bridge - Railing Details No. 3" sht
 - For details not shown see Detail 2 and Section A-A on "Precast Bridge - Railing Details No. 1" sheet

No.	Issue	Drawn	Approved	Date



Bar is one inch on original size sheet
0 1"

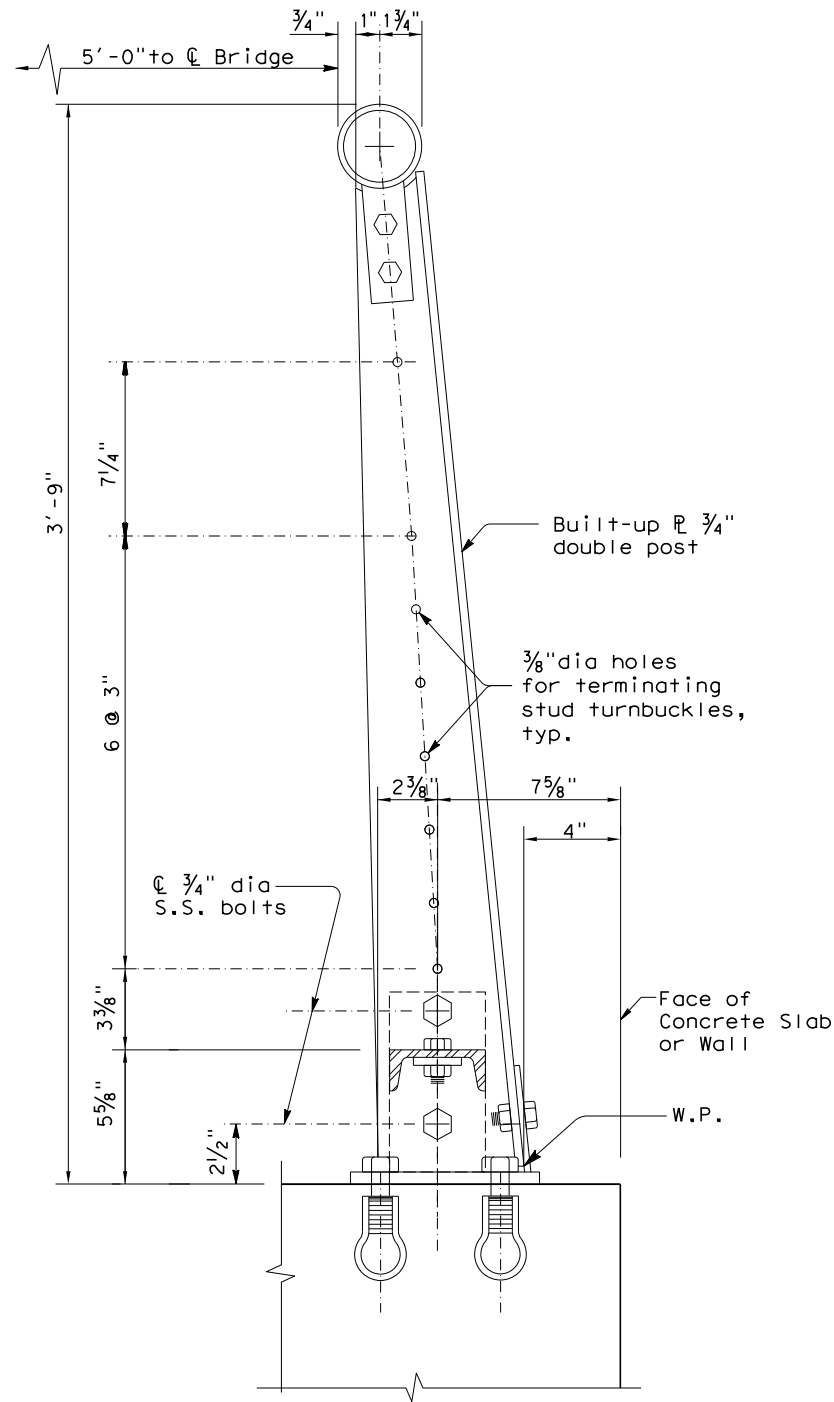
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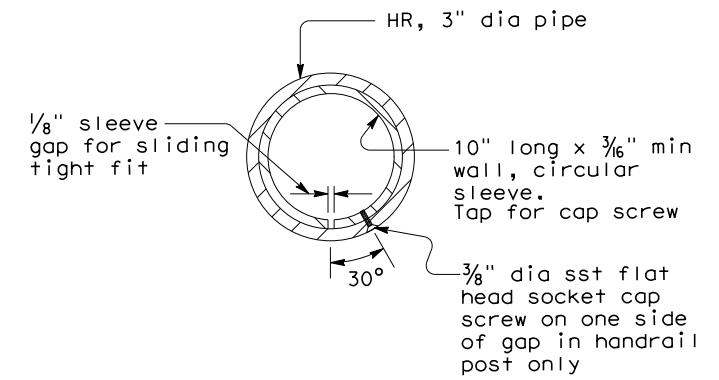
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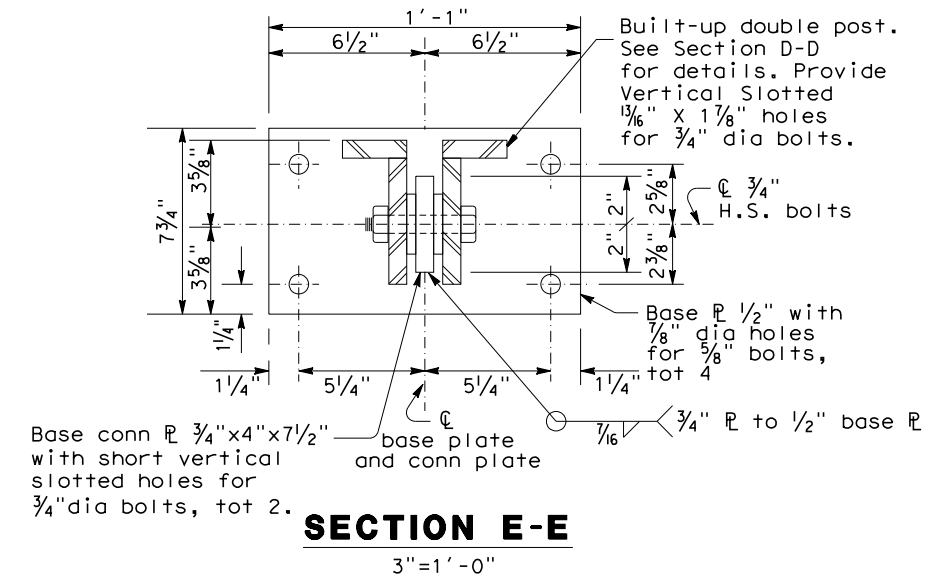
Client	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
Project	HUMBOLDT BAY TRAIL SOUTH
Title	PRECAST BRIDGE - RAILING DETAILS No. 2
GHD Project No.	11110166 & 11218356
Original Size	ANSI D
Sheet No.	S-512
Sheet	89 of 108



SECTION F-F
3"=1'-0"



SECTION G-G
6"=1'-0"



SECTION E-E
3"=1'-0"

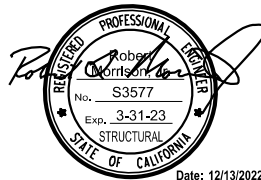
- Notes:
1. For locations of Sections E-E, and G-G, see "Precast Bridge - Railing Details No. 2" sheet.
 2. For Section D-D, see "Precast Bridge - Railing Details No. 2" sheet.
 3. For details not shown see Section A-A on "Precast Bridge - Railing Details No. 1" sheet.

No.	Issue	Drawn	Approved	Date



Bar is one inch on original size sheet
0 1"

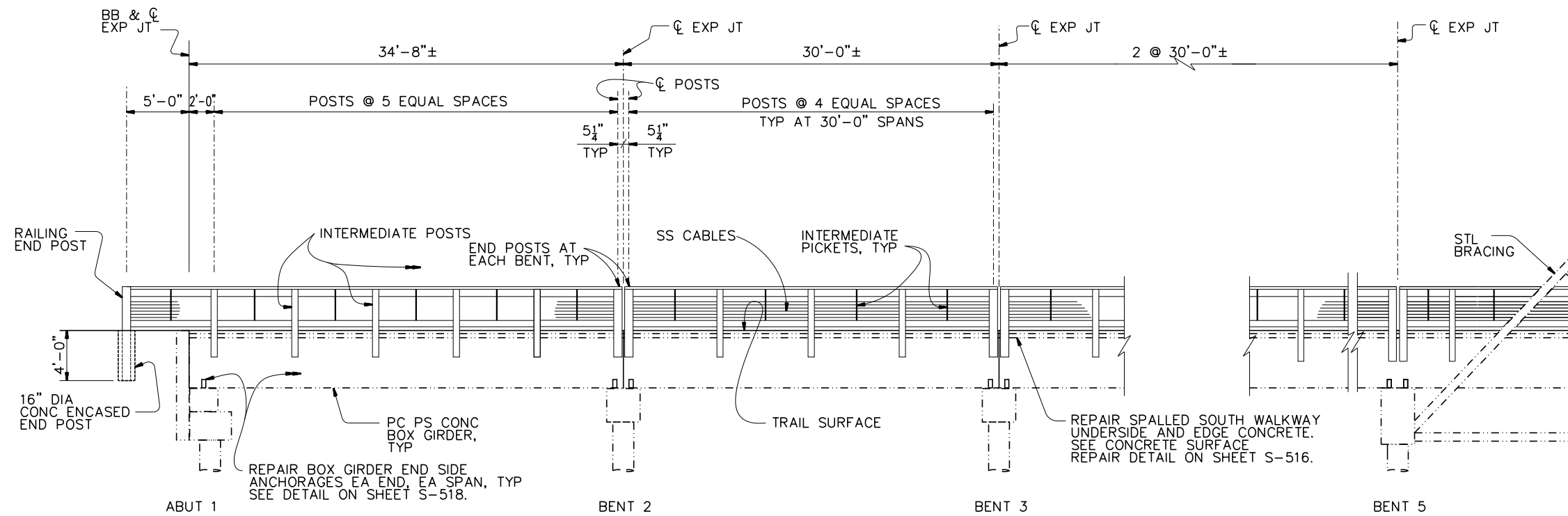
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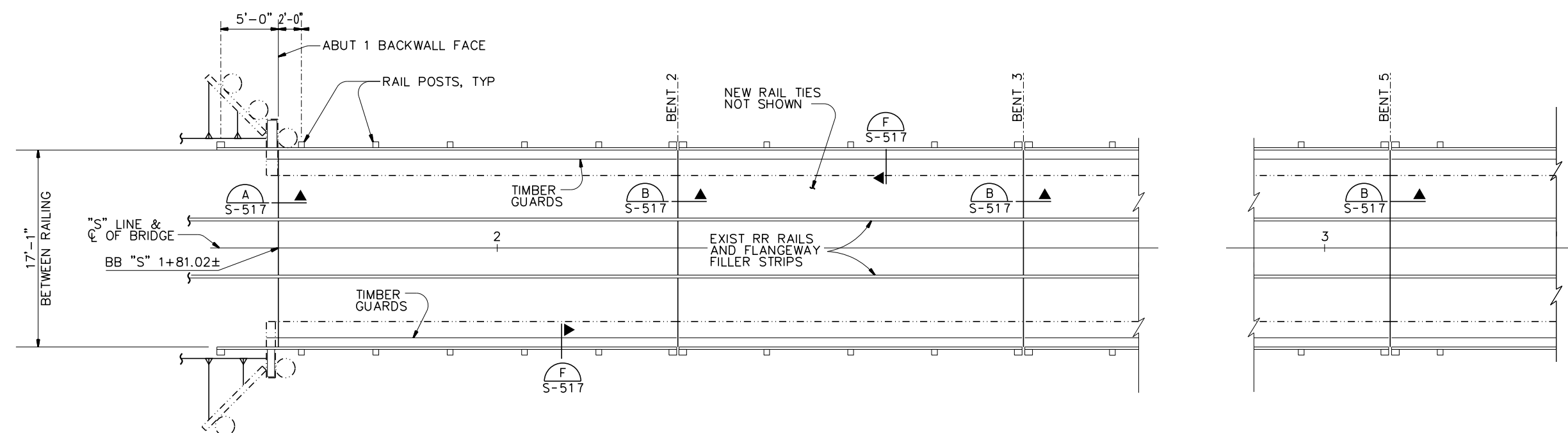
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Project	HUMBOLDT BAY TRAIL SOUTH		
Title	PRE CAST BRIDGE - RAILING DETAILS No. 3		
GHD Project No.	11110166 & 11218356		
Original Size	ANSI D	Sheet No.	S-513
		Sheet	90 of 108



NOTES:
 1. FOR RAILING DETAILS NOT SHOWN SEE "EUREKA SLOUGH NCRA BRIDGE - RAILING DETAILS" SHEETS S-519 THROUGH S-522.

ELEVATION - SPANS 1 - 4
 3/16" = 1'-0"



PLAN - SPANS 1 - 4
 3/16" = 1'-0"

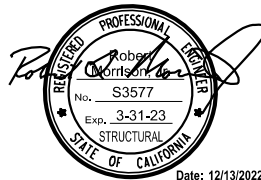
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No.	Issue	Drawn	Approved	Date



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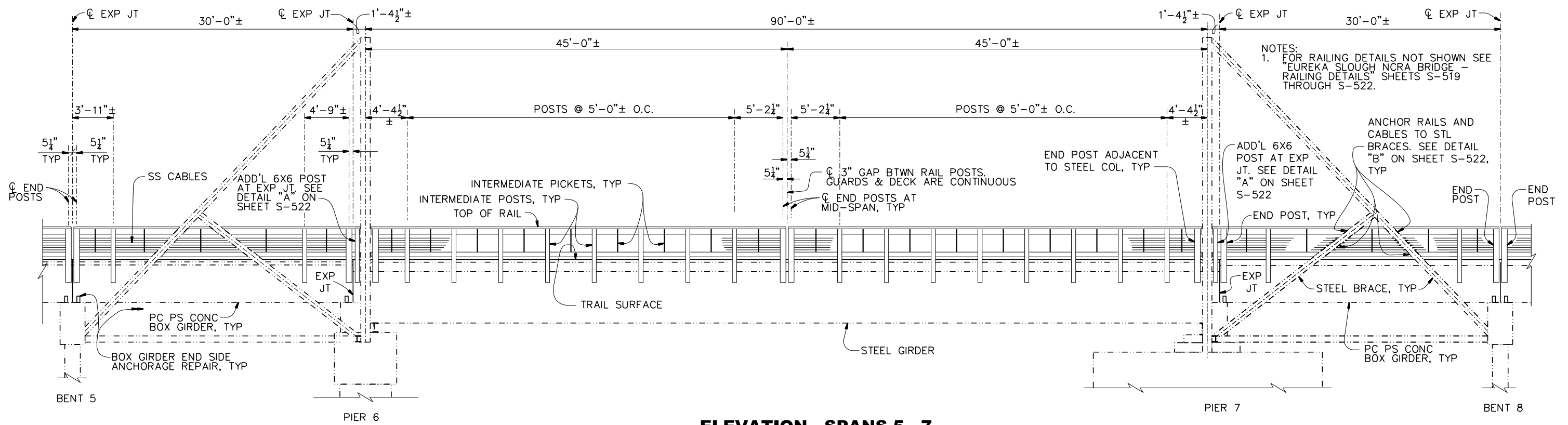
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Drafting Check	R.MORRISON, JR	Design Check	R.MORRISON, JR
Project Manager	J.WOLF	Date	12/13/2022
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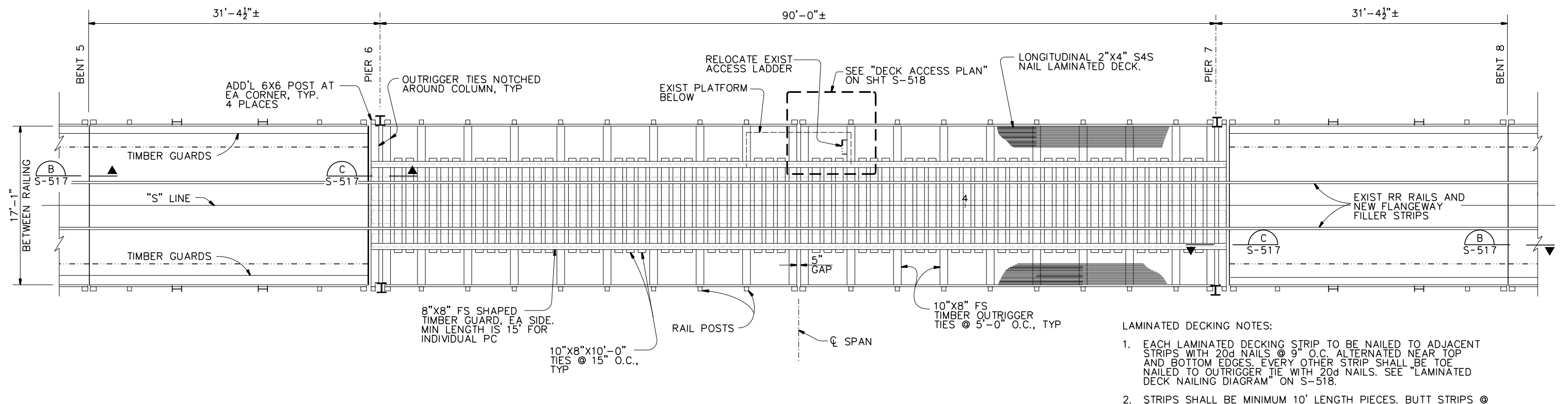
Client	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
Project	HUMBOLDT BAY TRAIL SOUTH
Title	EUREKA SLOUGH BRIDGE - SPANS 1-4 DETAILS
GHD Project No.	11110166 & 11218356
Original Size	ANSI D
Sheet No.	S-514



NOTES:
1. FOR RAILING DETAILS NOT SHOWN SEE "EUREKA SLOUGH NCRA BRIDGE - RAILING DETAILS" SHEETS S-519 THROUGH S-522.

ELEVATION - SPANS 5 - 7

3/16" = 1'-0"



- LAMINATED DECKING NOTES:
1. EACH LAMINATED DECKING STRIP TO BE NAILED TO ADJACENT STRIPS WITH 20d NAILS @ 9" O.C. ALTERNATED NEAR TOP AND BOTTOM EDGES. EVERY OTHER STRIP SHALL BE TOE NAILED TO OUTRIGGER TIE WITH 20d NAILS. SEE "LAMINATED DECK NAILING DIAGRAM" ON S-518.
 2. STRIPS SHALL BE MINIMUM 10' LENGTH PIECES. BUTT STRIPS @ CL OUTRIGGER TIE. STAGGER LOCATION OF BUTT JOINT IN ADJACENT STRIPS 5'.
 3. PLANE SURFACE OF DECK AFTER INSTALLATION SO NO GREATER THAN 1/16" OFFSET PRESENT IN DECK SURFACE AT ADJACENT STRIPS.

PLAN - SPANS 5 - 7

3/16" = 1'-0"

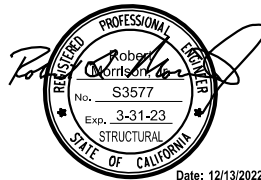
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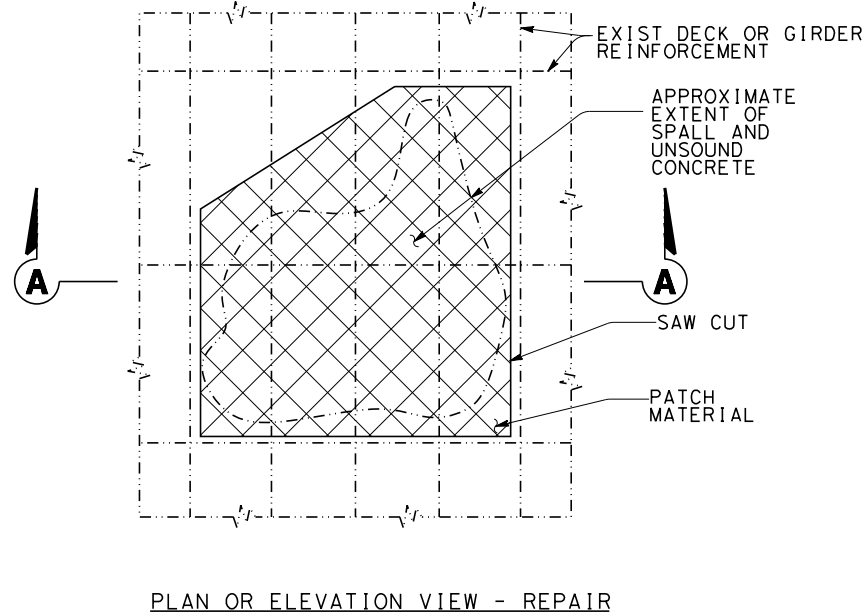
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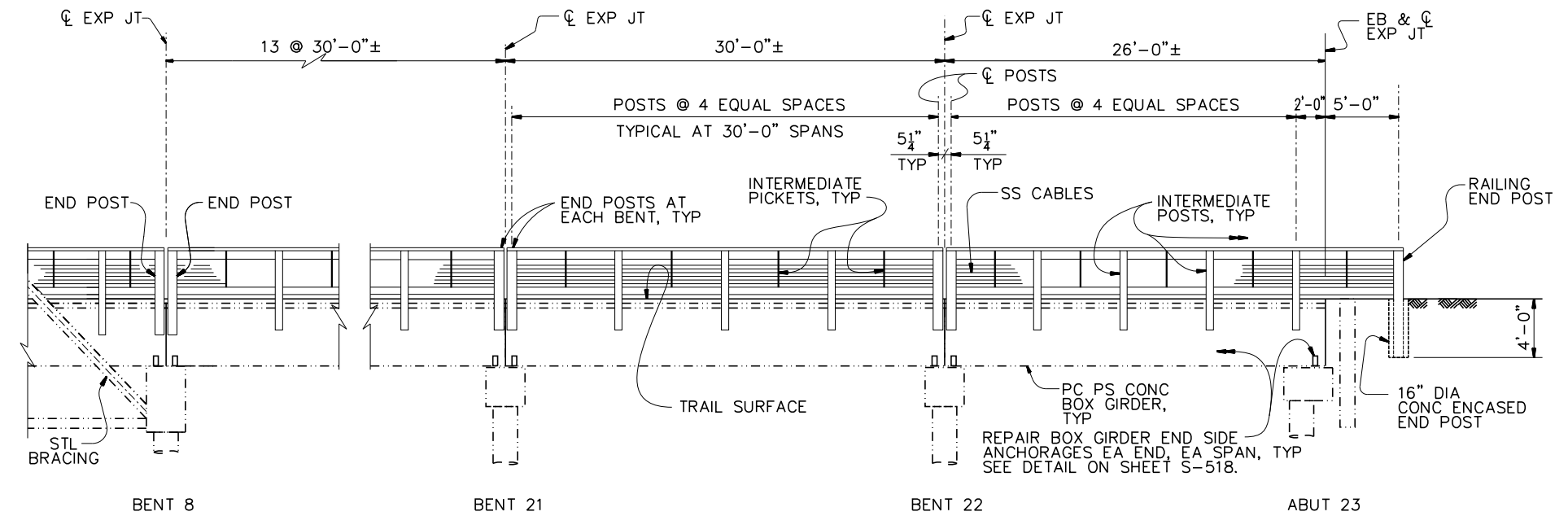
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Project	HUMBOLDT BAY TRAIL SOUTH
Title	EUREKA SLOUGH BRIDGE - SPANS 5-7 DETAILS
GHD Project No.	11110166 & 11218356
Original Size	ANSI D
Sheet No.	S-515
Sheet	92 of 108

NOTES:
 1. FOR RAILING DETAILS NOT SHOWN SEE "EUREKA SLOUGH NCRA BRIDGE - RAILING DETAILS" SHEETS S-519 THROUGH S5-22.

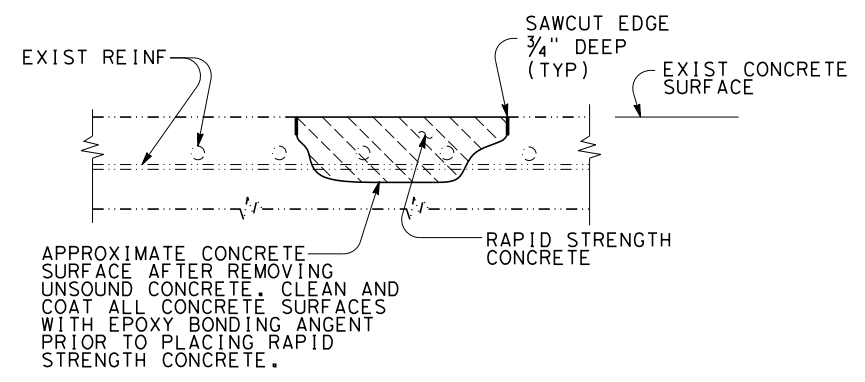


PLAN OR ELEVATION VIEW - REPAIR



ELEVATION - SPANS 8 - 22

3/16" = 1'-0"

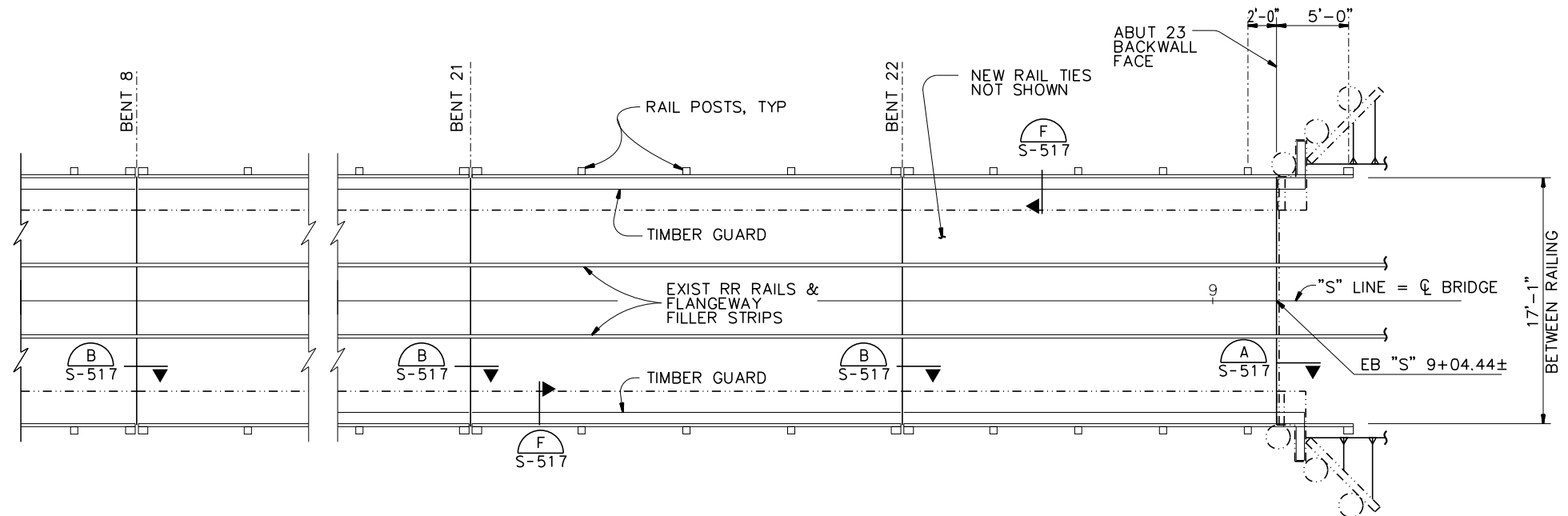


SECTION A-A

NOTE:
 REINFORCEMENT MAY BE ENCOUNTERED DURING CONCRETE REMOVAL. WHERE REINFORCEMENT IS ENCOUNTERED REMOVE CONCRETE TO 1" CLEAR OF REINFORCEMENT.

CONCRETE SURFACE REPAIR DETAIL

NTS



PLAN - SPANS 8 - 22

3/16" = 1'-0"

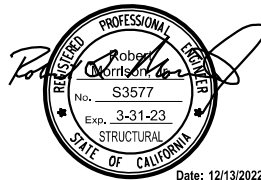
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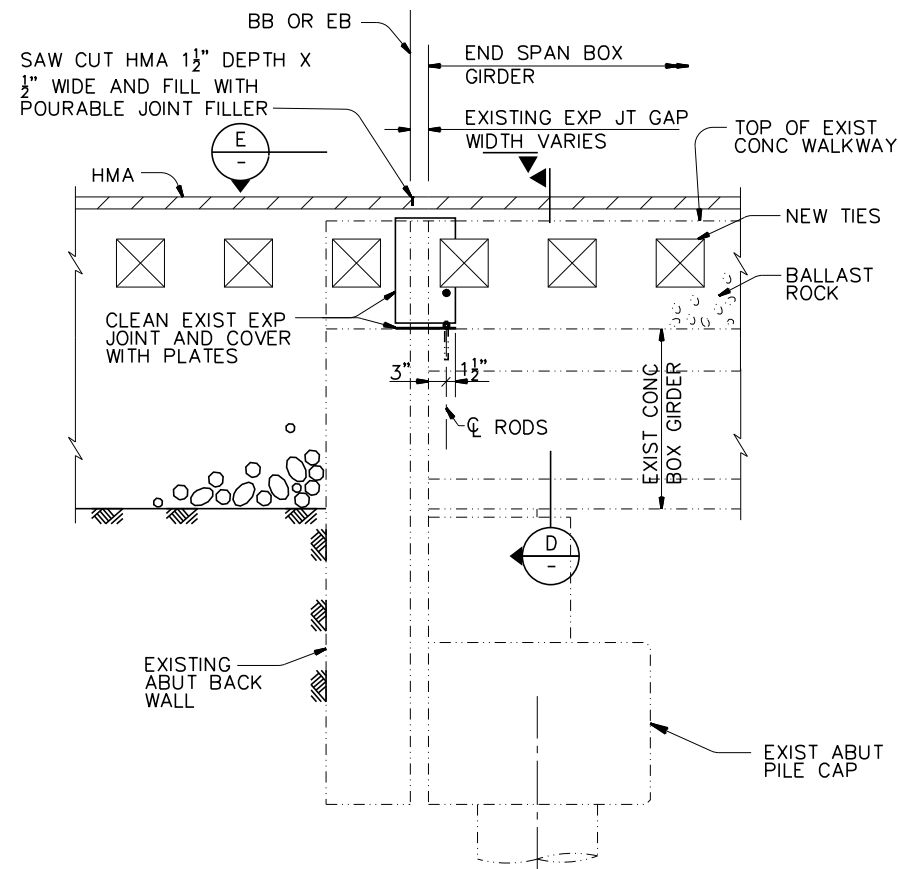
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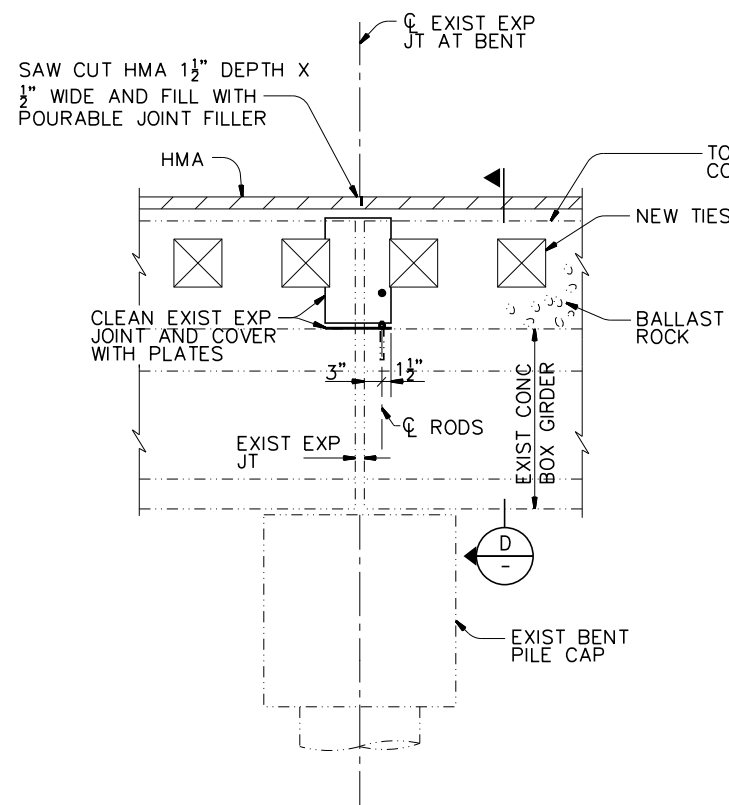
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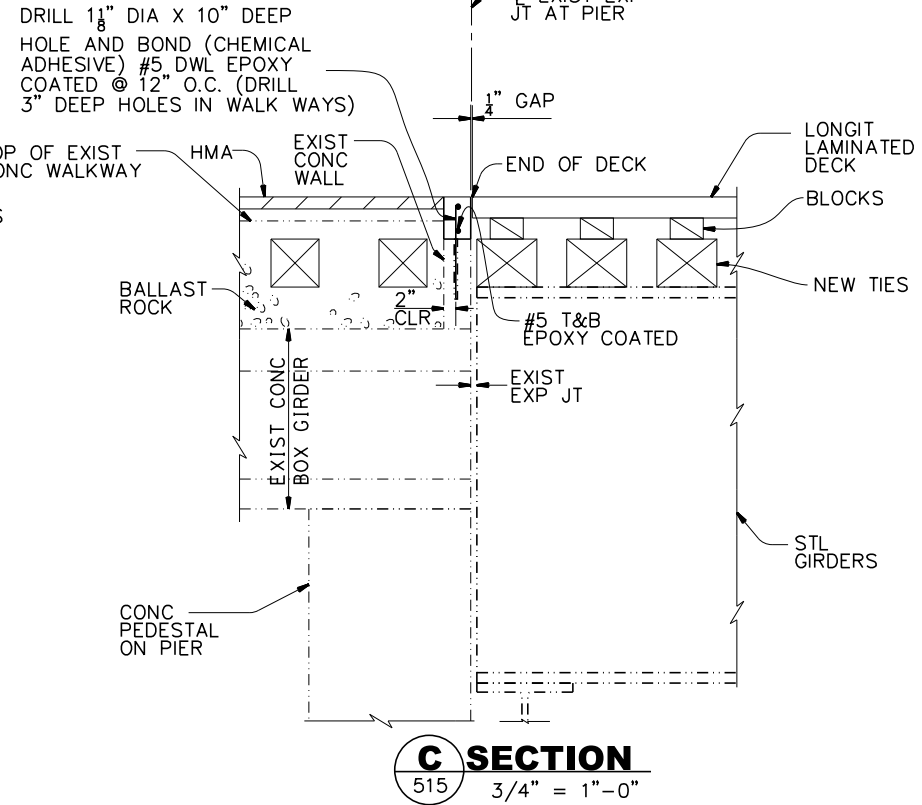
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Project	HUMBOLDT BAY TRAIL SOUTH
Title	EUREKA SLOUGH BRIDGE - SPANS 8-22 DETAILS
GHD Project No.	11110166 & 11218356
Original Size	ANSI D
Sheet No.	S-516



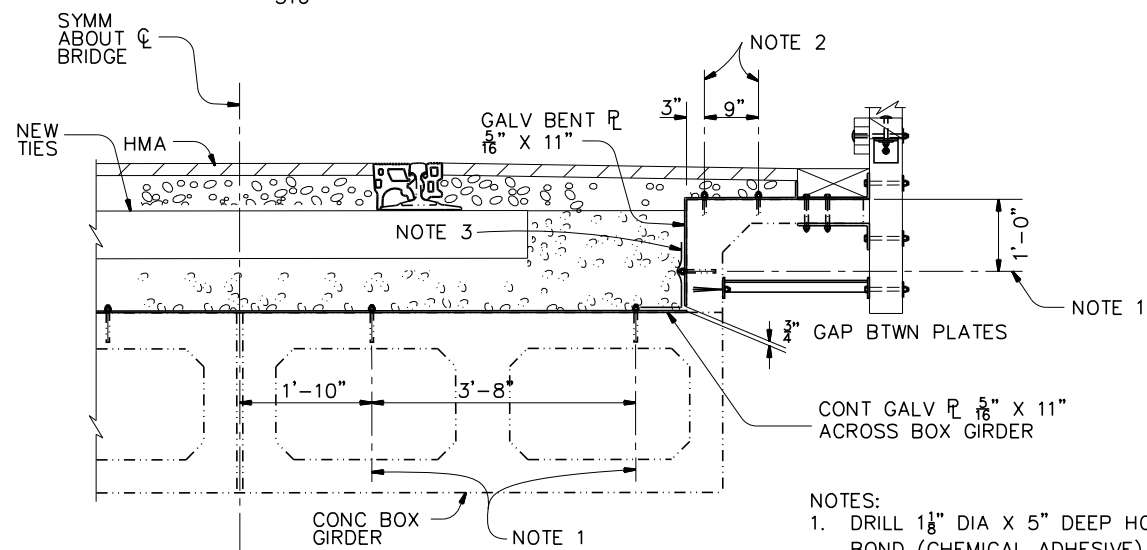
A SECTION
514 3/4" = 1"-0"
516



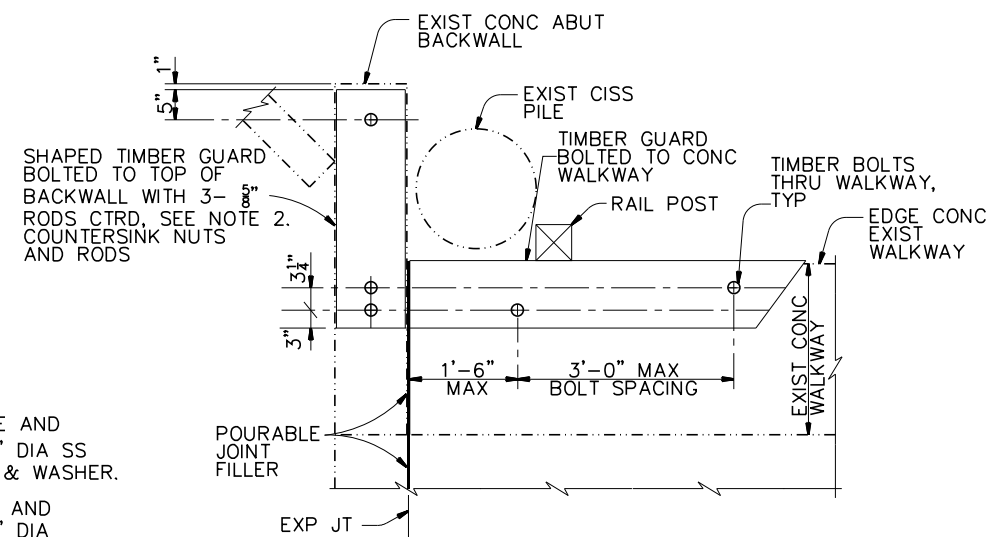
B SECTION
514 3/4" = 1"-0"
515
516



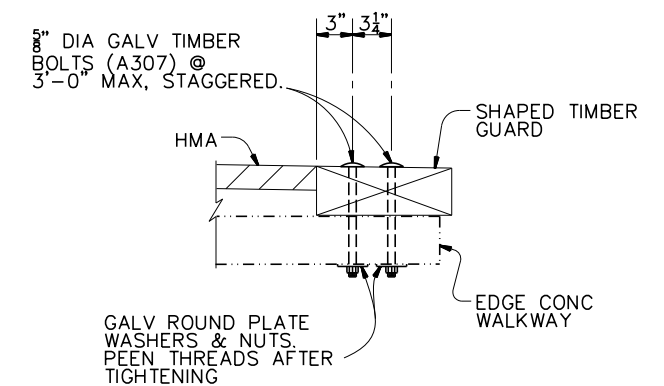
C SECTION
515 3/4" = 1"-0"



D SECTION
3/4" = 1"-0"



E SECTION
3/4" = 1"-0"



F SECTION
514 1 1/2" = 1"-0"
516

NOTE:
THE CONTRACTOR SHALL VERIFY ALL CONTROLLING FIELD DIMENSIONS BEFORE ORDERING OR FABRICATING ANY MATERIALS.

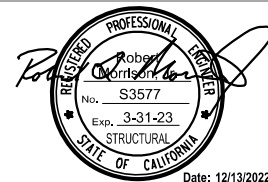
- NOTES:
1. DRILL 1 1/8" DIA X 5" DEEP HOLE AND BOND (CHEMICAL ADHESIVE) 3/8" DIA SS THREADED ROD WITH SS NUT & WASHER.
 2. DRILL 1" DIA X 3" DEEP HOLE AND BOND (CHEMICAL ADHESIVE) 1/2" DIA SS THREADED ROD WITH SS NUT & WASHER.
 3. 1'-6" WIDE X 2'-0" LONG FILTER FABRIC OVER EXP JT GAP.

No.	Issue	Drawn	Approved	Date



Bar is one inch on original size sheet
0 1"

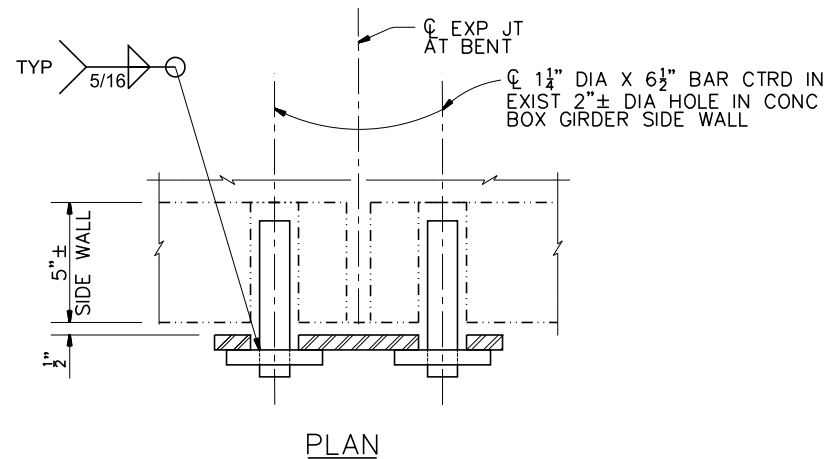
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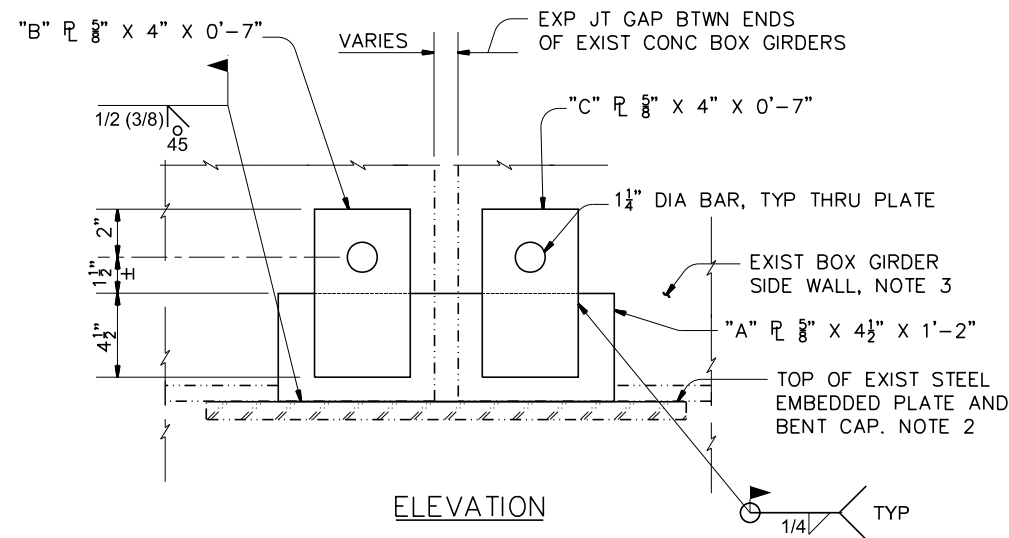
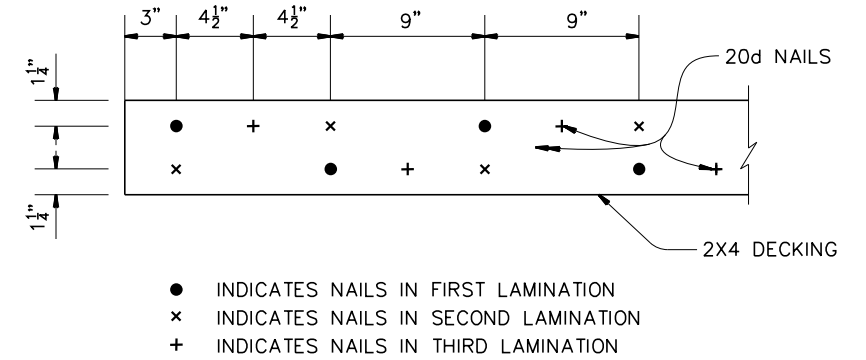
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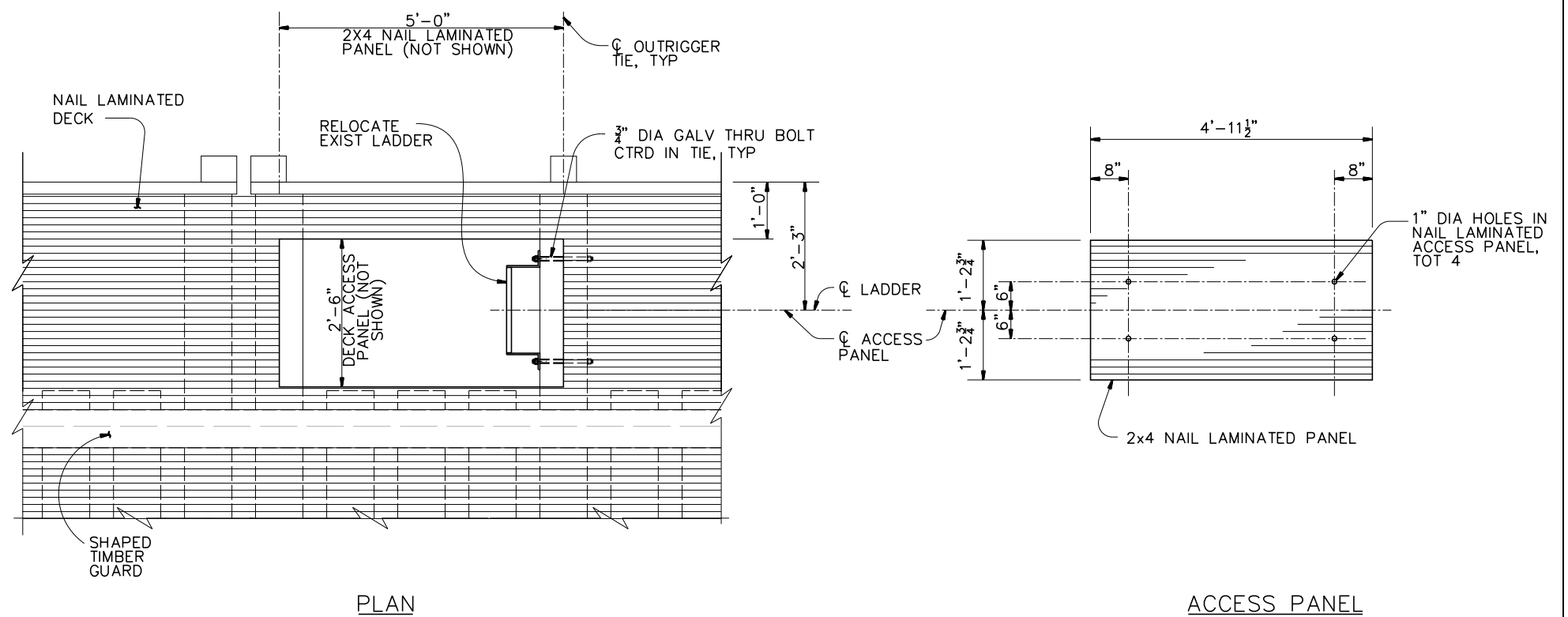
Client	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
Project	HUMBOLDT BAY TRAIL SOUTH
Title	EUREKA SLOUGH BRIDGE GIRDER DETAILS NO. 1
GHD Project No.	11110166 & 11218356
Original Size	ANSI D
Sheet No.	S-517



- NOTES:
1. REMOVE EXISTING SIDE ANCHORAGE ASSEMBLIES FROM BOX GIRDER AND EMBEDDED PLATE.
 2. GRIND OFF DETERIORATED STEEL AND WELD METAL FROM TOP SURFACE OF EMBEDDED PLATE. USE WELD REPAIR TO FILL A SMOOTH TOP OF PLATE AND GRIND SMOOTH WITHIN 1" EACH SIDE OF PLATE "A" WELDS.
 3. REPAIR SPALLED CONCRETE SURFACES WITHIN 6" EACH WAY OF THE EXISTING 2" DIA ± HOLES IN BOX GIRDER SIDE WALLS. FOR DETAILS SEE CONCRETE SURFACE REPAIR DETAIL ON "EUREKA SLOUGH BRIDGE - SPANS 8-22 DETAILS" SHEET. REPAIR OF SPALLED CONCRETE AT ANCHORAGES IS PAID FOR IN THE UNIT PRICE PAID FOR REPAIR GIRDER END SIDE ANCHORAGE.
 4. INSTALL NEW R "A" AND R "B" AND R "C" AS INDICATED.
 5. CLEAN ALL WELDS AND COAT ALL STEEL ANCHORAGE COMPONENTS WITH COLD GALVANIZING COMPOUND. (2 COATS).



GIRDER END SIDE ANCHORAGE REPAIR
3" = 1"-0"



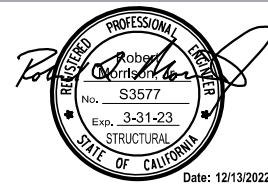
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No.	Issue	Drawn	Approved	Date



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0 1"

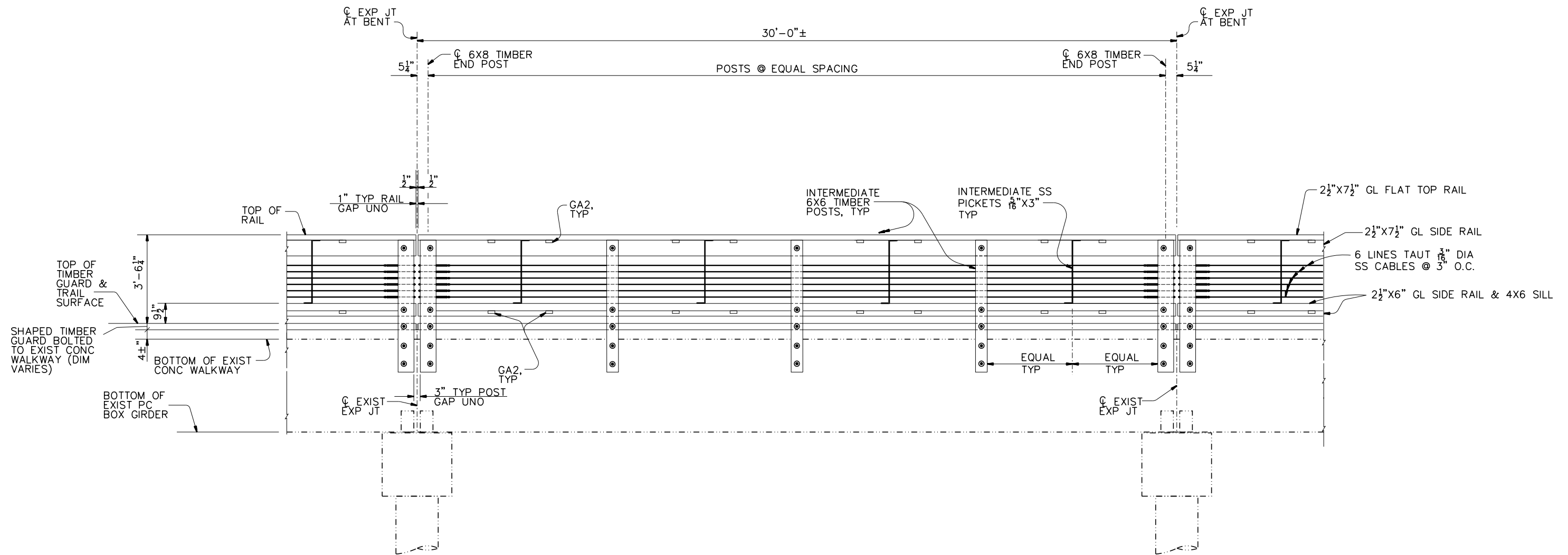
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Drafting Check	R.MORRISON, JR	Design Check	R.MORRISON, JR
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Title	EUREKA SLOUGH BRIDGE GIRDER DETAILS NO. 2		
GHD Project No.	11110166 & 11218356		
Original Size	ANSI D	Sheet No.	S-518
		Sheet	95 of 108


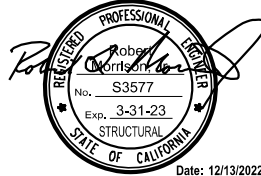


- NOTE:
1. TYPICAL RAIL ELEVATION AT PS CONC BOX GIRDER SPANS 1-4 AND 8-21 SHOWN. FOR ELEVATION AT SPANS 5-7, SEE "EUREKA SLOUGH BRIDGE - SPANS 5-7 DETAILS" SHEET.
 2. FOR POST AND ANCHORING DETAILS SEE "EUREKA SLOUGH BRIDGE - RAILING DETAILS NO. 2, NO. 3, AND NO. 4" SHEETS.

TYPICAL RAIL ELEVATION

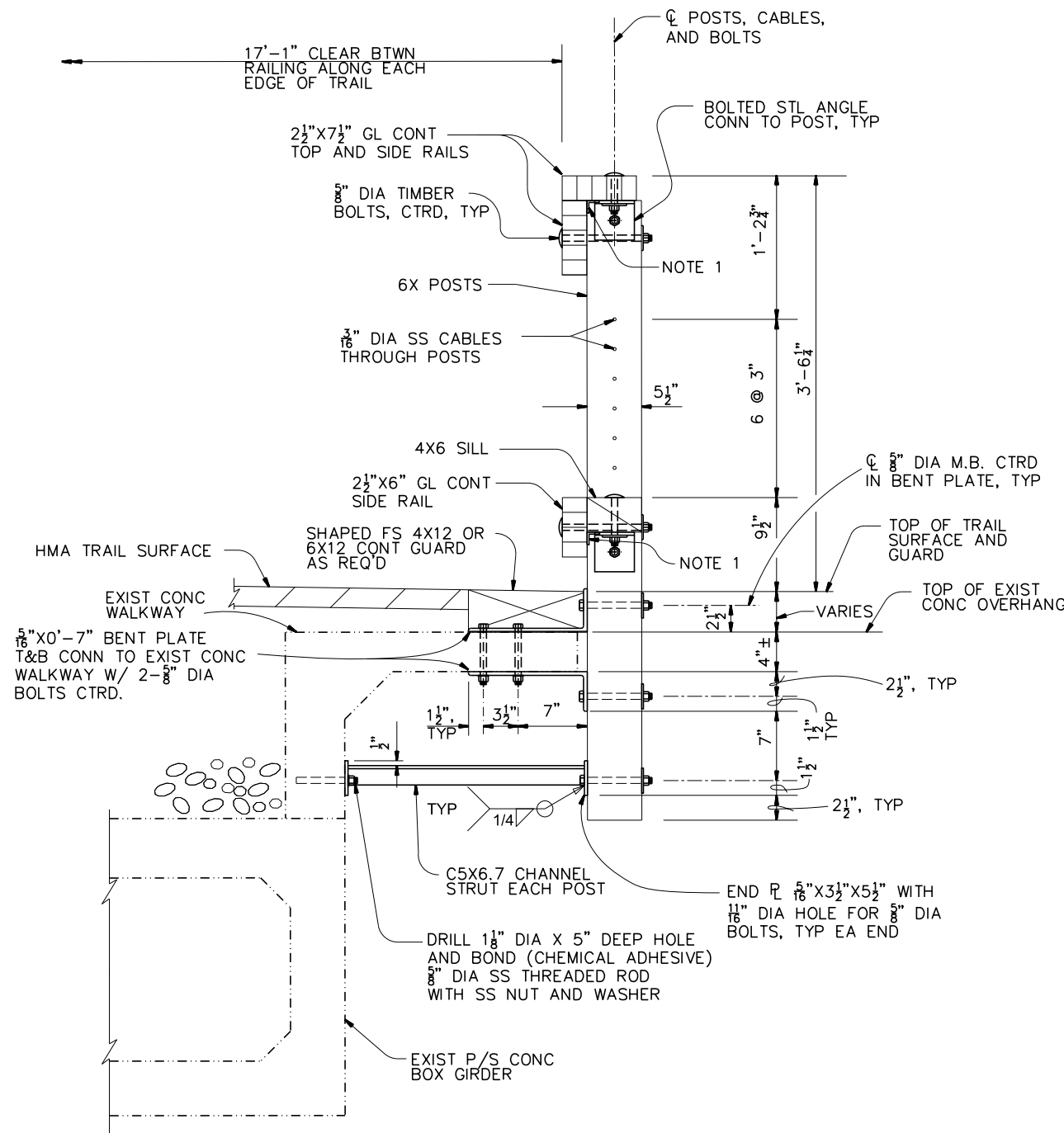
1/2" = 1'-0"

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					Bar is one inch on original size sheet 0 ————— 1"				MORRISON STRUCTURES, INC 1890 PARK MARINA DR. REDDING, CALIFORNIA 96001 TELEPHONE (530) 246-8628 FAX (530) 246-8625		Drawn J.GALLINO Designer D. ROESNER Drafting Check R.MORRISON, JR Design Check R.MORRISON, JR Project Manager J.WOLF Date 12/13/2022 <small>This document shall not be used for construction unless signed and sealed for construction.</small> Scale AS SHOWN		Client COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS Project HUMBOLDT BAY TRAIL SOUTH Title EUREKA SLOUGH BRIDGE - RAILING DETAILS No. 1 GHD Project No. 11110166 & 11218356 Original Size ANSI D Sheet No. S-519	
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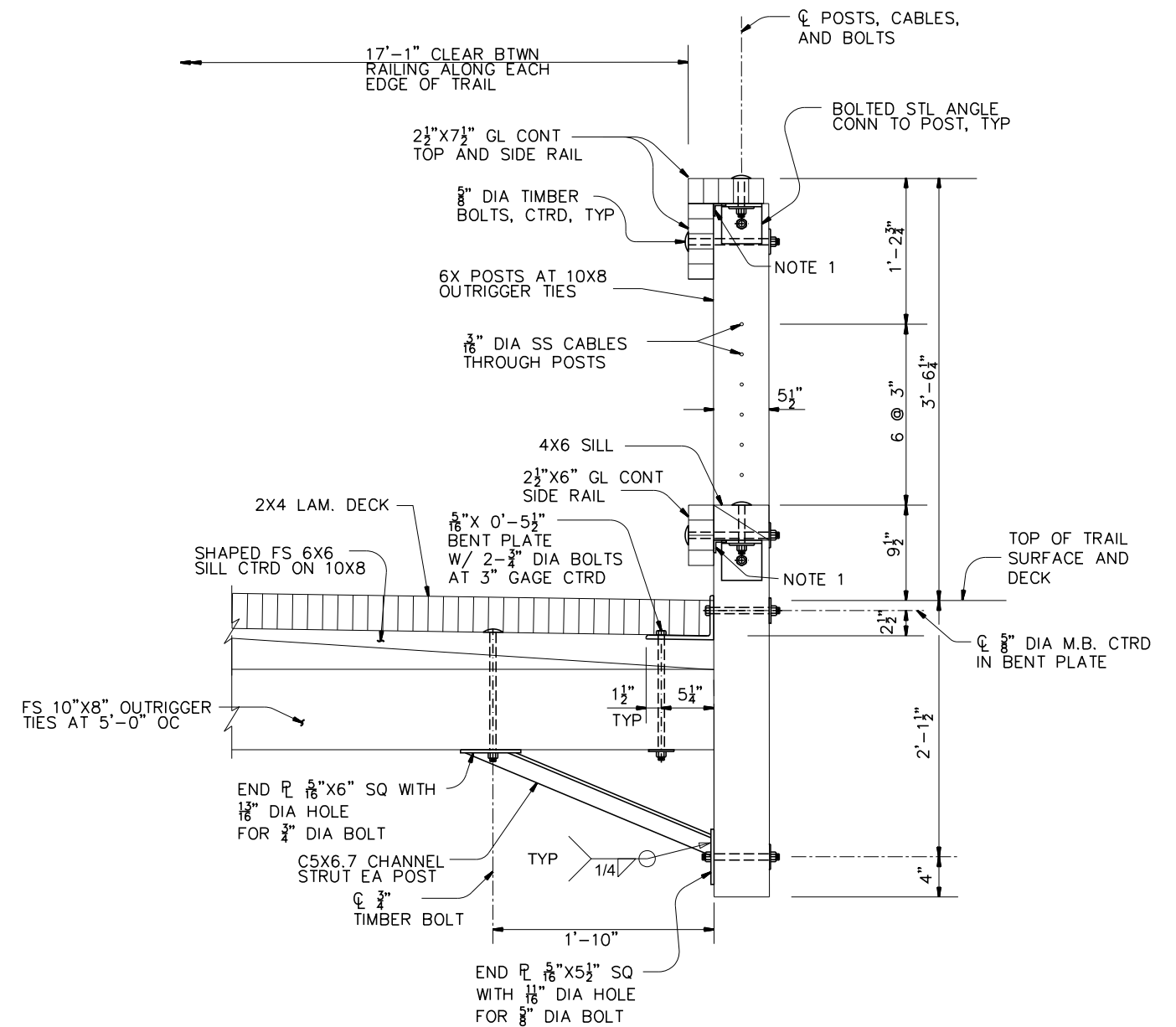
NOTES:

1. GALV. GA2 SIMPSON OR EQUAL FRAMING ANGLE, AT 1/3 POINTS BETWEEN POSTS. USE 4- #9 X 1 3/4" GALV. WOOD SCREWS EACH



TYPICAL RAIL SECTION AT CONCRETE GIRDER SPANS

1 1/2" = 1'-0"



TYPICAL RAIL SECTION AT STEEL GIRDER SPAN

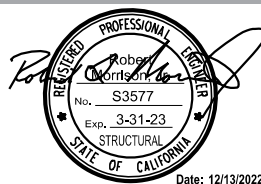
1 1/2" = 1'-0"

No.	Issue	Drawn	Approved	Date



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0 1"

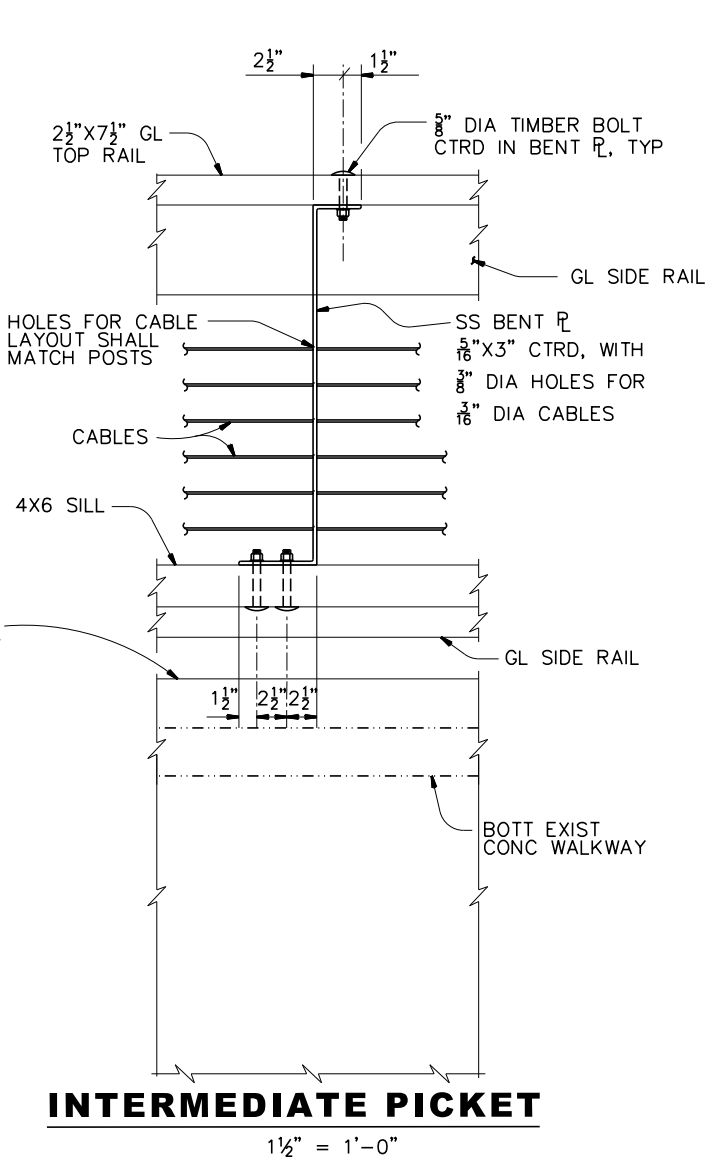
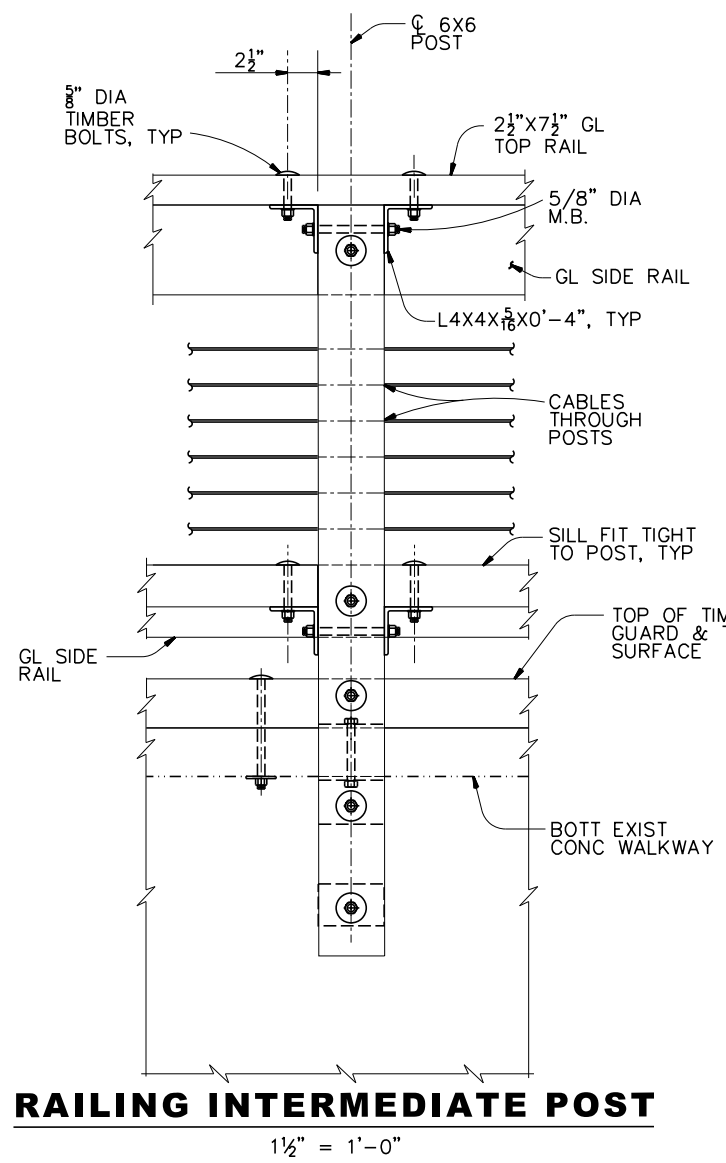
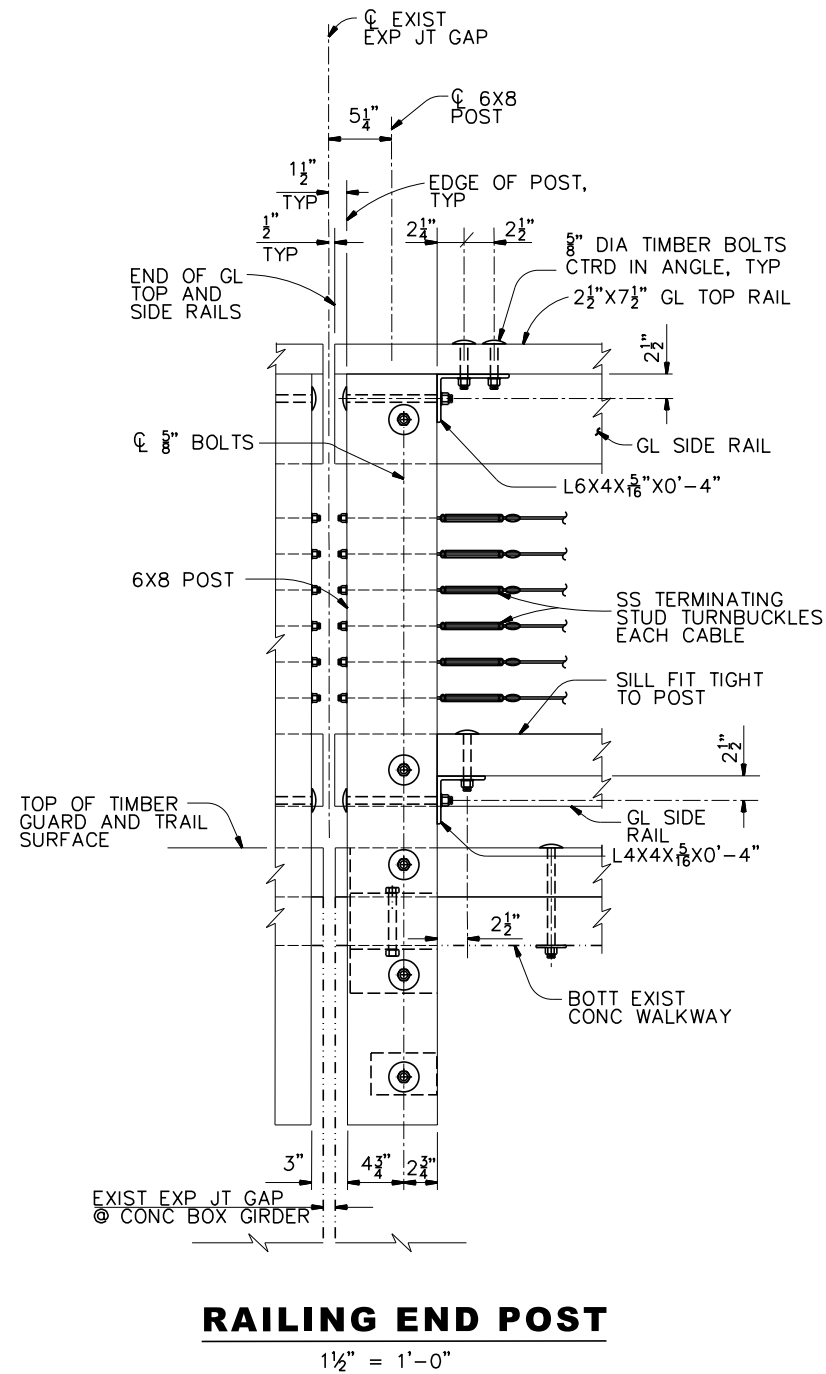
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Drafting Check	R.MORRISON, JR	Design Check	R.MORRISON, JR
Project Manager	J.WOLF	Date	12/13/2022
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Project	HUMBOLDT BAY TRAIL SOUTH
Title	EUREKA SLOUGH BRIDGE - RAILING DETAILS NO. 2
GHD Project No.	11110166 & 11218356
Original Size	ANSI D
Sheet No.	S-520
Sheet	97 of 108

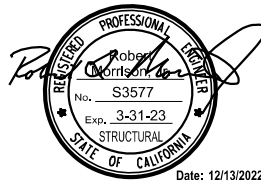


No.	Issue	Drawn	Approved	Date



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0 1"

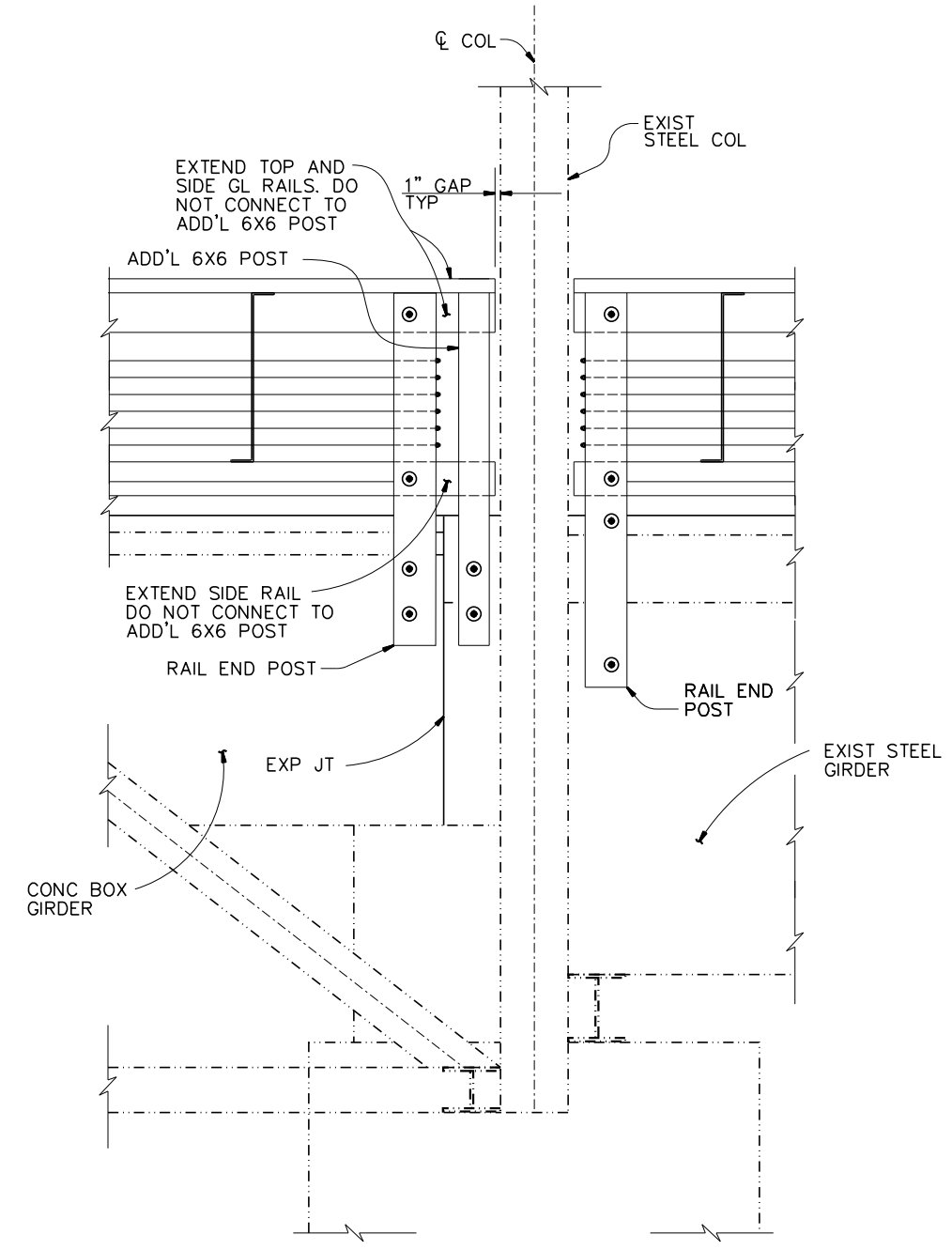
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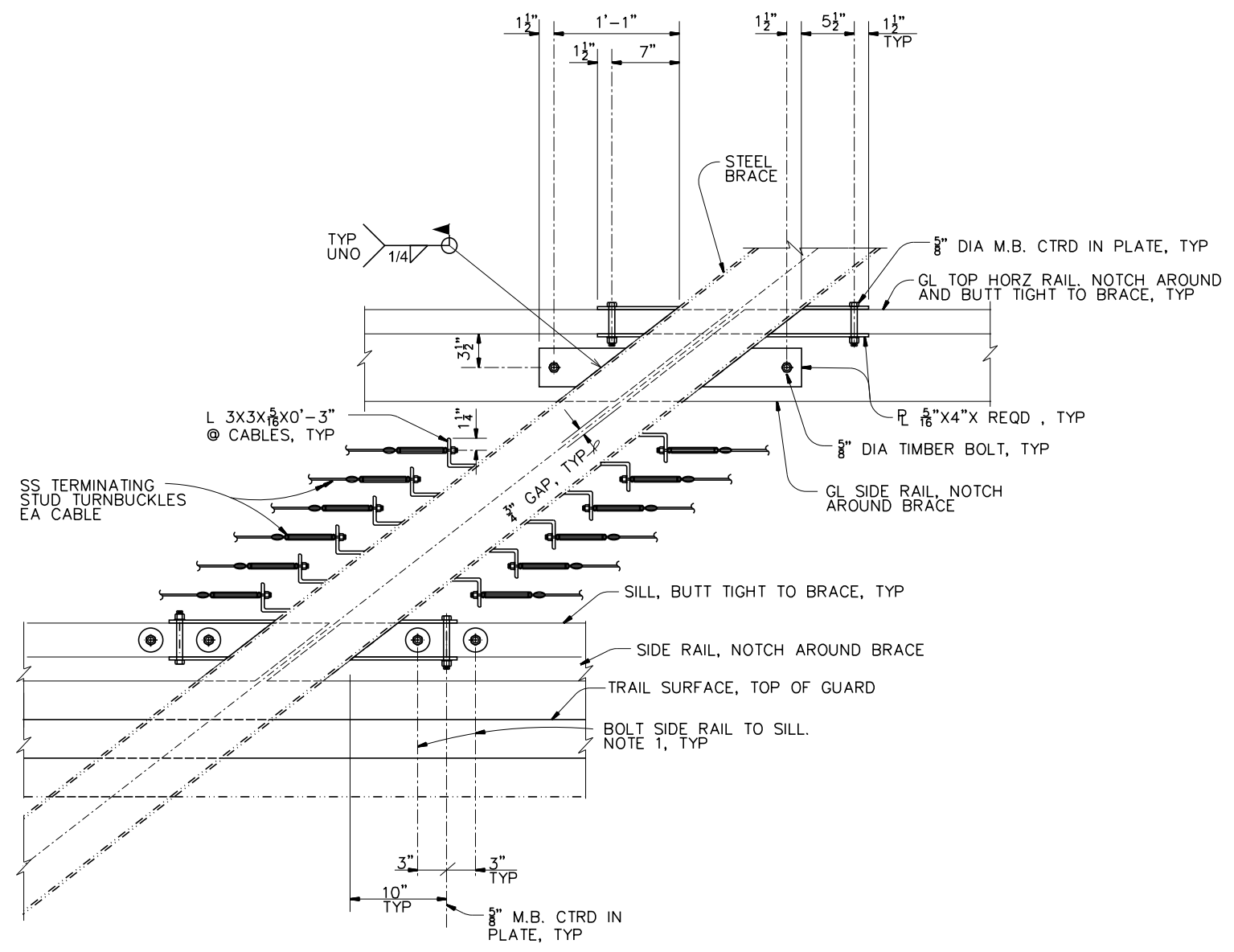
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Drafting Check	R.MORRISON, JR	Design Check	R.MORRISON, JR
Project Manager	J.WOLF	Date	12/13/2022
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Project	HUMBOLDT BAY TRAIL SOUTH
Title	EUREKA SLOUGH BRIDGE - RAILING DETAILS No 3
GHD Project No.	11110166 & 11218356
Original Size	ANSI D
Sheet No.	S- 521
Sheet	98 of 108



DETAIL "A"
 $\frac{3}{4}" = 1'-0"$

NOTES:
 1. $\frac{5}{8}"$ DIA TIMBER BOLTS CTRD THRU SILL



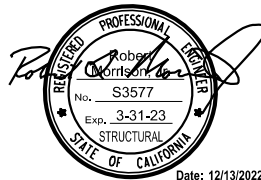
DETAIL "B"
 $1\frac{1}{2}" = 1'-0"$

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

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Project	HUMBOLDT BAY TRAIL SOUTH
Title	EUREKA SLOUGH BRIDGE - RAILING DETAILS No 4
GHD Project No.	11110166 & 11218356
Original Size	ANSI D
Sheet No.	S- 522

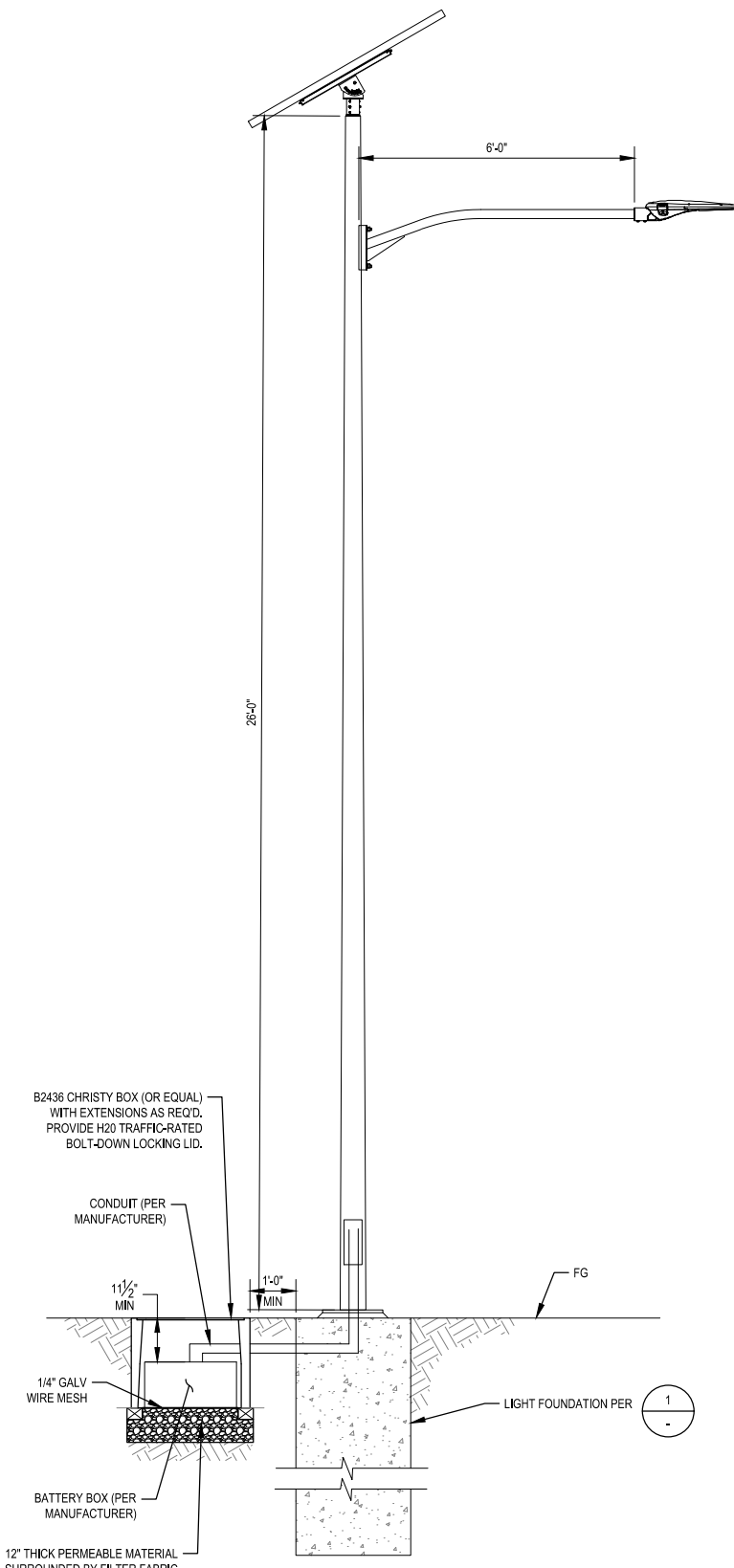
NOTE: THIS SHEET IS ACCURATE FOR STREET LIGHTING ONLY

LEGEND

-  GREENSHINE SUPERA SERIES SOLAR LIGHT WITH 40 W LED, 26' POLE AND 6' MAST ARM OR APPROVED EQUAL.
-  CHRISTY BOX B2436 (WITH EXTENSIONS AS REQUIRED) WITH AASHTO H20 TRAFFIC-RATED BOLT-DOWN LOCKING LID.

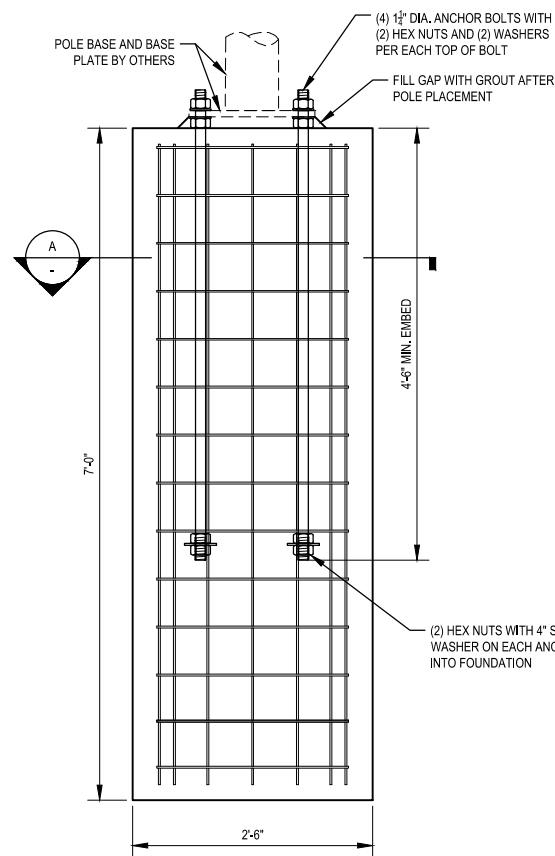
GENERAL ELECTRICAL NOTES

1. ELECTRICAL PLANS ARE DIAGRAMMATIC AND ARE CORRECT FOR GENERAL DESIGN ONLY. THE EXACT LOCATIONS OF EQUIPMENT AND APPURTENANCES SHALL BE DETERMINED IN THE FIELD BY THE ENGINEER. LOCATIONS SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION. CONTRACTOR SHALL CONTACT ENGINEER AT LEAST 2 WORKING DAYS PRIOR TO LOCATING EQUIPMENT TO ARRANGE FOR THE PRESENCE OF THE ENGINEER.
2. ALL UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE ONLY. THE CONTRACTOR SHALL VERIFY OVERHEAD AND UNDERGROUND CLEARANCE WITH PG&E, AT&T, AND OTHER AFFECTED UTILITIES PRIOR TO THE START OF WORK.
3. THIS PLAN ACCURATE FOR STREET LIGHT WORK ONLY.



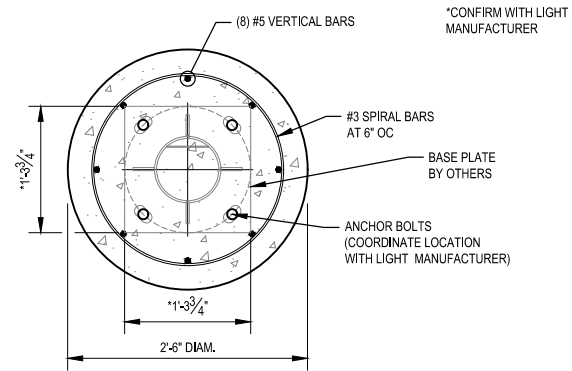
SOLAR LIGHT ELEVATION

SCALE: 1" = 2'-0"



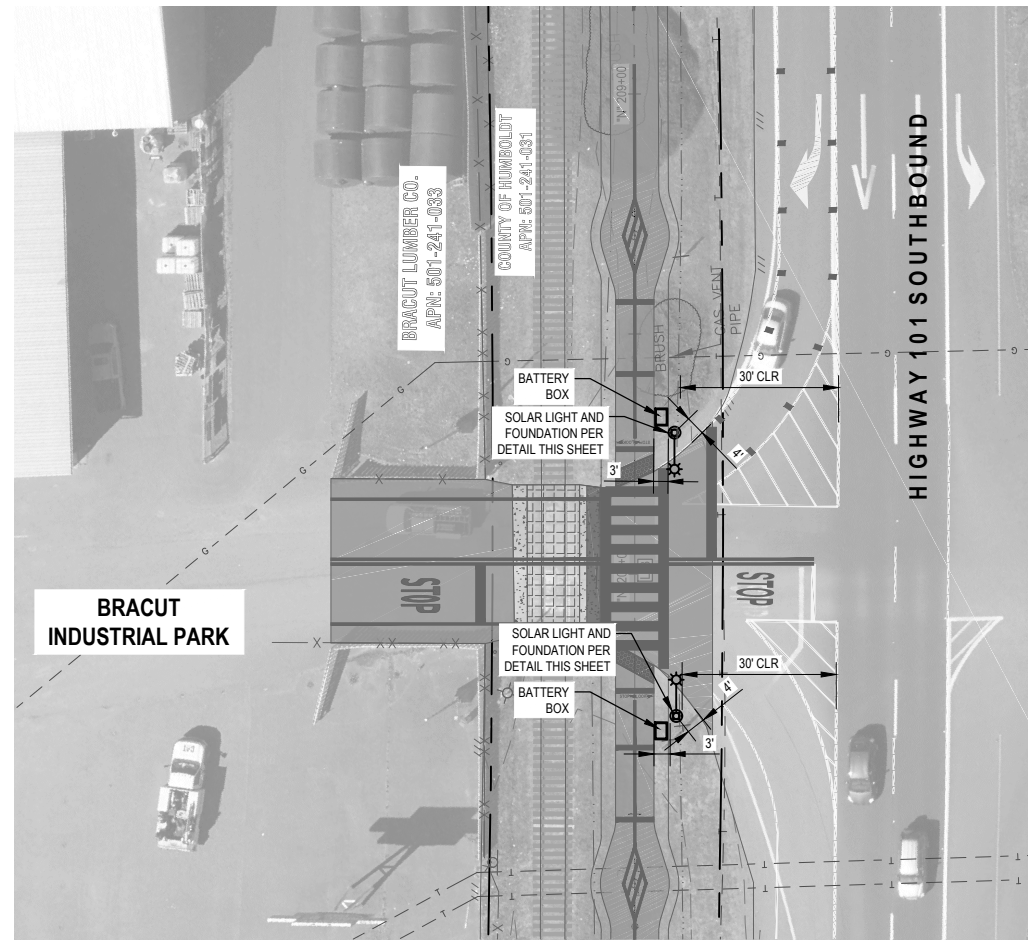
1 FOUNDATION DETAIL

SCALE: 1" = 1'-0"

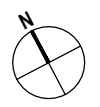


A FOUNDATION SECTION

SCALE: 1" = 1'-0"



0 20' 40'



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0 1 2

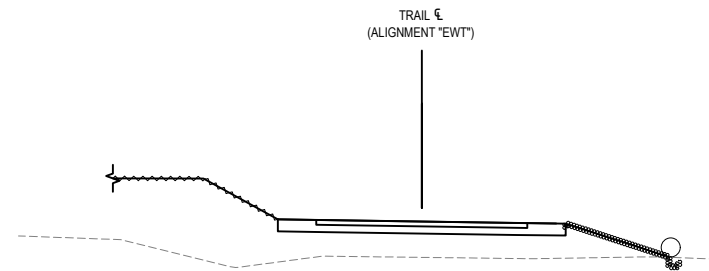


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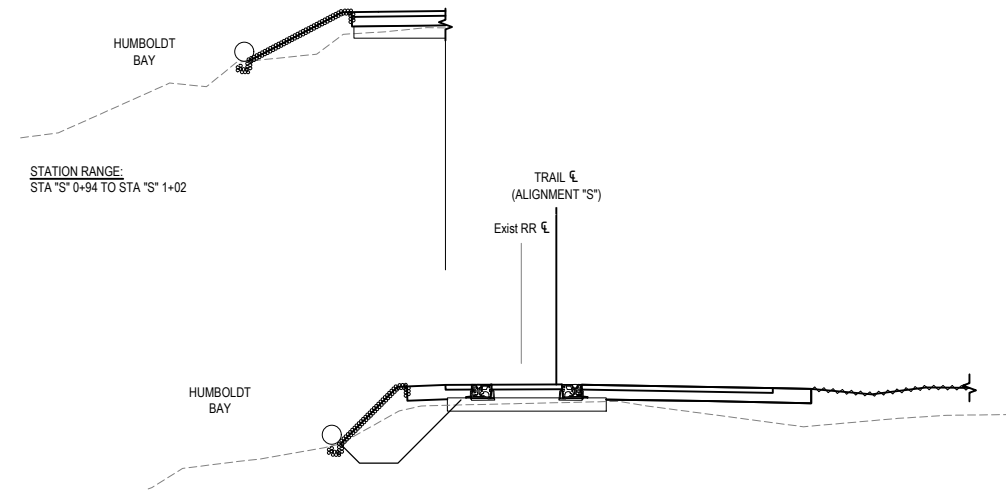
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Drafting Check	C. PENNY	Design Check	J. WOLF
Project Manager	J.WOLF	Date	12/23/2022
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Project	HUMBOLDT BAY TRAIL SOUTH		
Title	STREET LIGHT PLAN		
GHD Project No.	11110166 & 11218356		
Original Size	ANSI D	Sheet No.	E-101
		Sheet	100 of 108

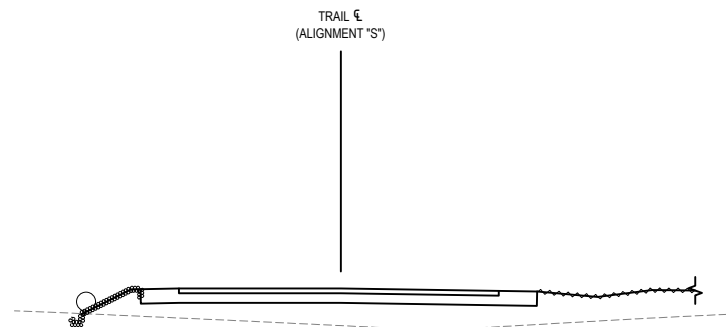
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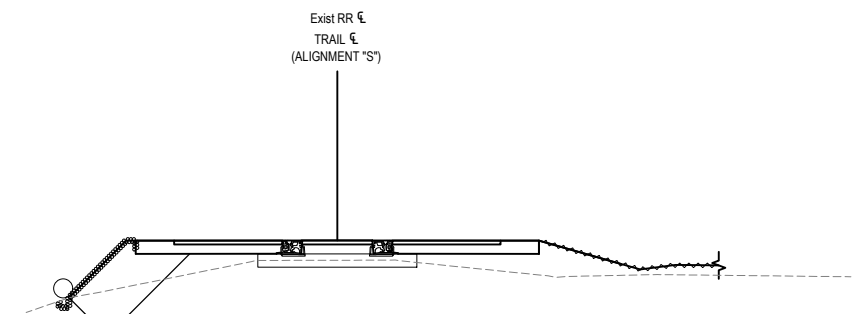
TYPICAL SECTION: STA "EWT" 207+25 TO STA "EWT" 209+22
NOT TO SCALE



TYPICAL SECTION: STA "S" 0+94 TO STA "S" 1+11
NOT TO SCALE



TYPICAL SECTION: STA "S" 0+85 TO STA "S" 0+94
NOT TO SCALE



TYPICAL SECTION: STA "S" 1+11 TO STA "S" 1+81
NOT TO SCALE

LEGEND	
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	FIBER ROLL
	HYDROSEED

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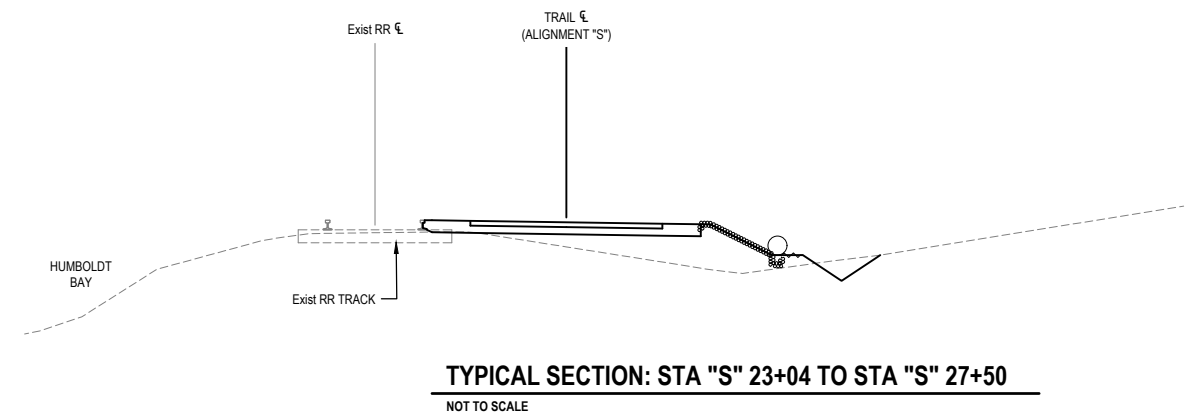
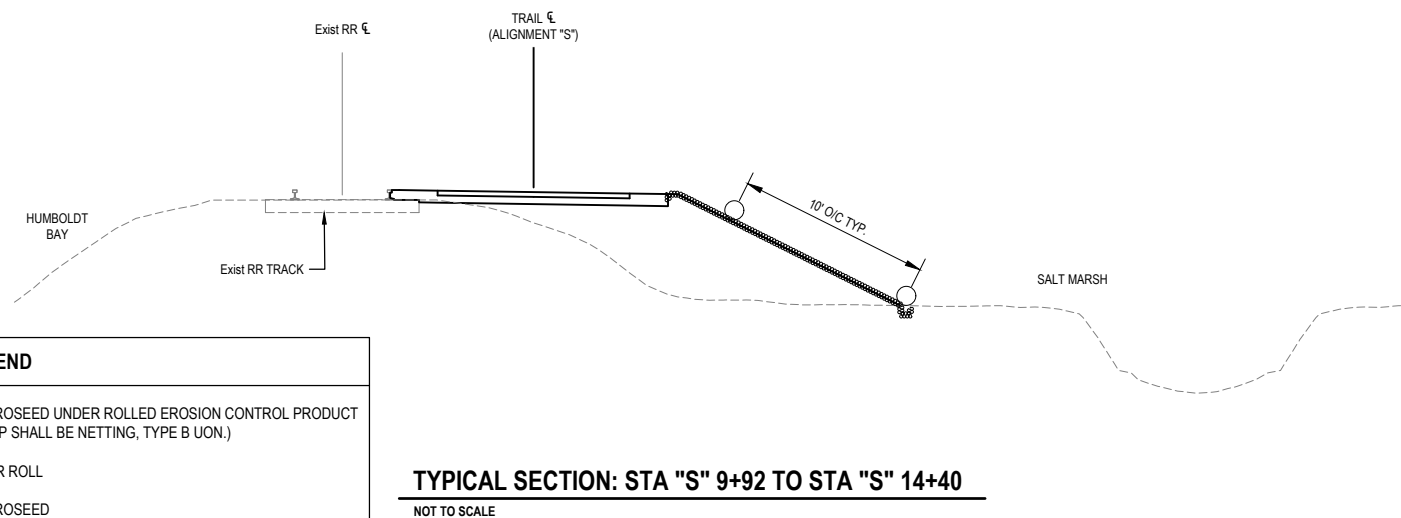
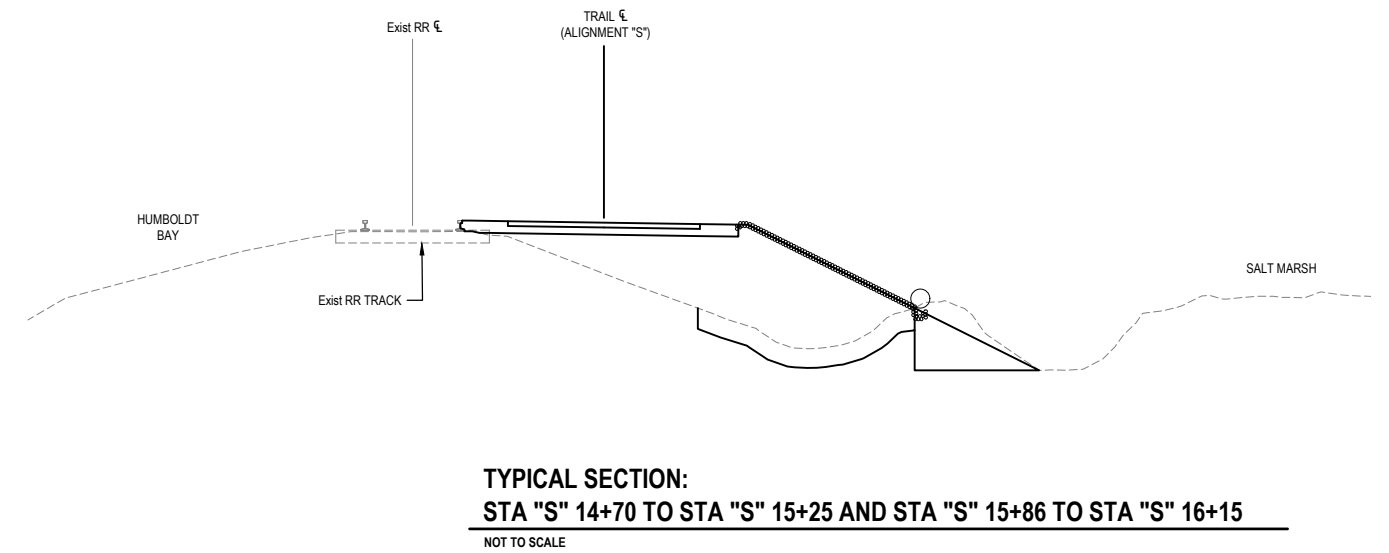
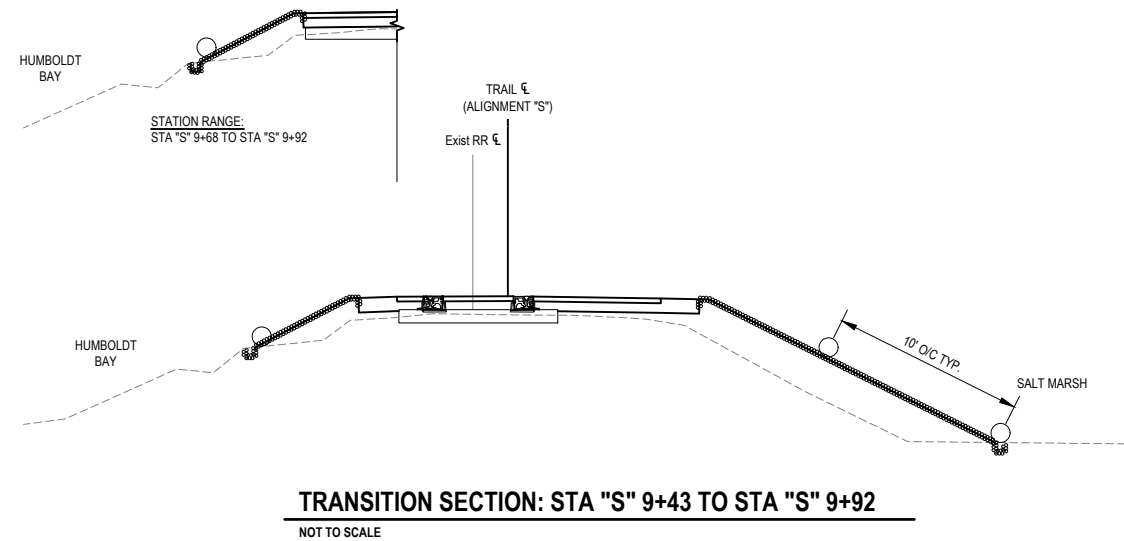
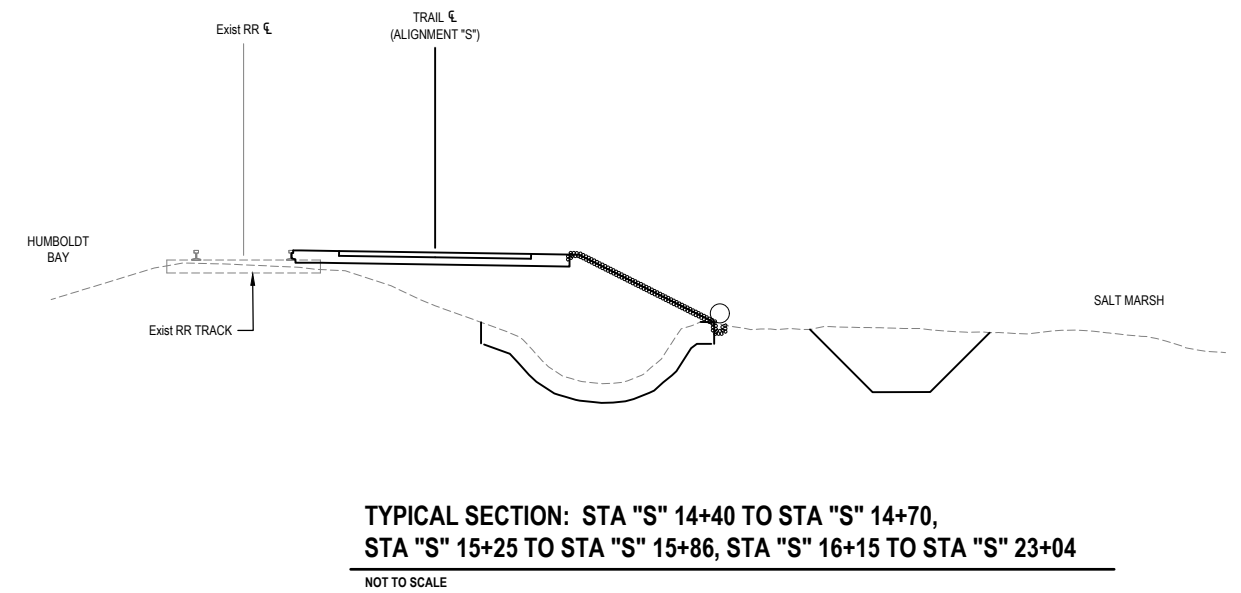
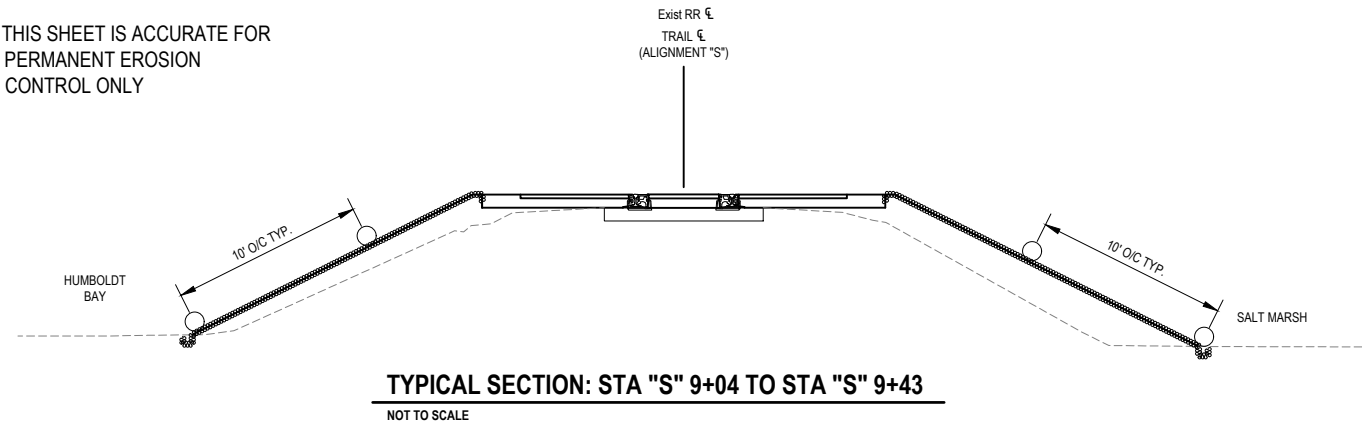


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Title	EROSION CONTROL 1 OF 8		
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		Sheet	101 of 108

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	FIBER ROLL
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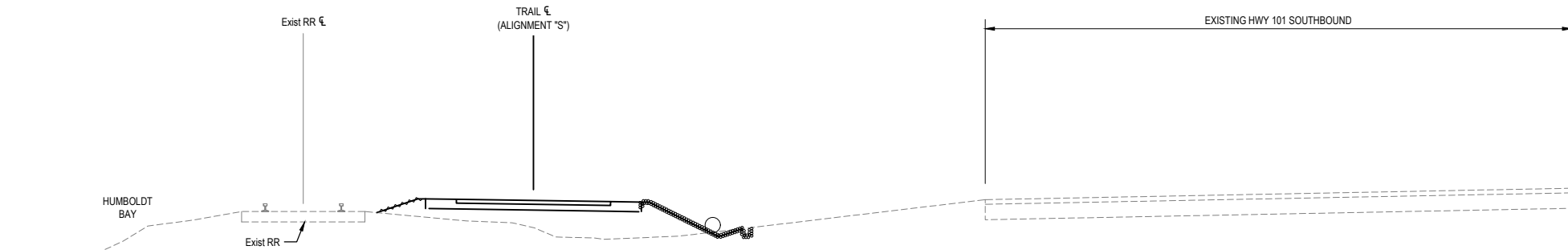


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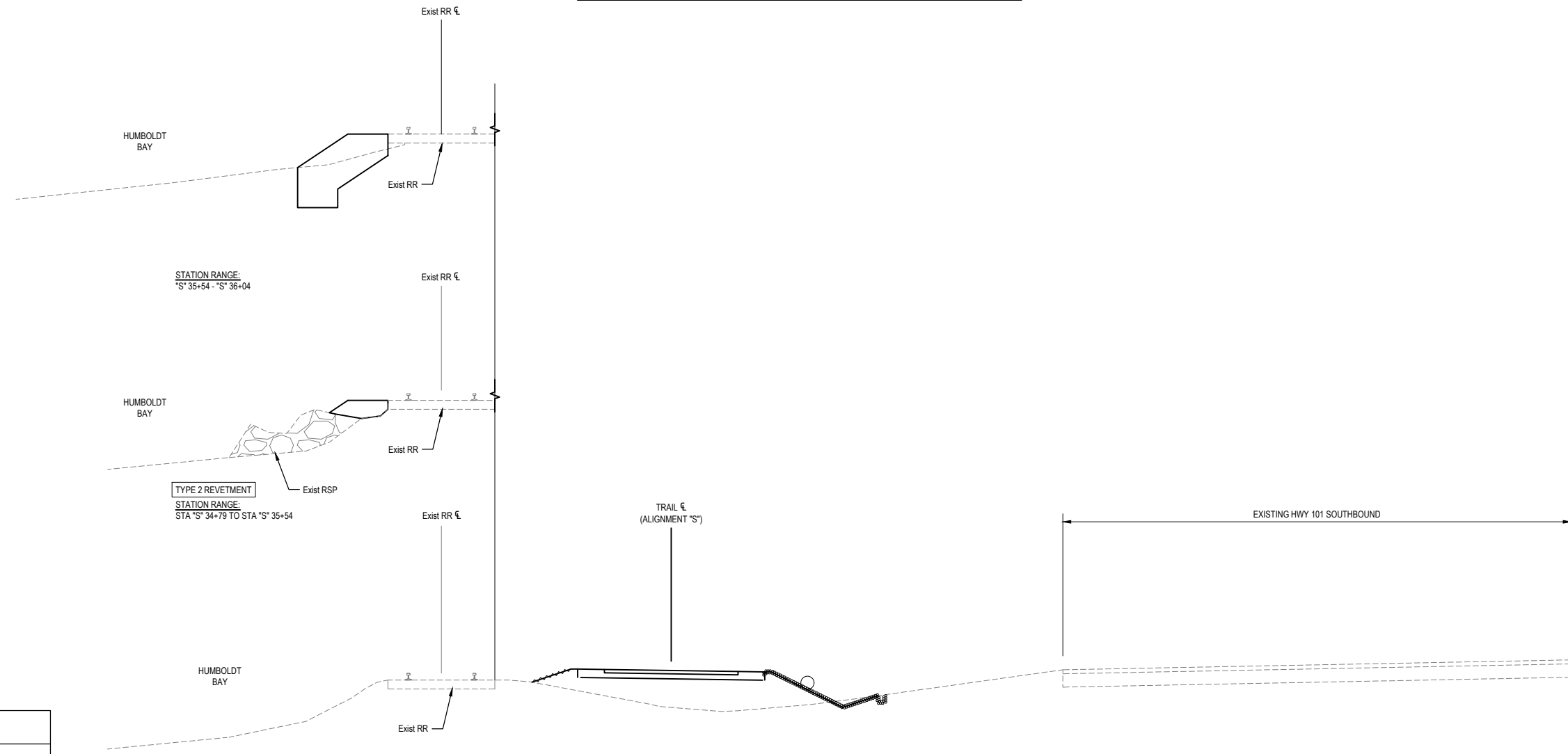
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Project	HUMBOLDT BAY TRAIL SOUTH		
Title	EROSION CONTROL 2 OF 8		
GHD Project No.	11110166 & 11218356		
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TYPICAL SECTION: STA "S" 27+50 TO STA "S" 28+05



TYPICAL SECTION: STA "S" 28+05 TO STA "S" 74+94

LEGEND	
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	FIBER ROLL
	HYDROSEED

No.	Issue	Drawn	Approved	Date



Bar is one inch on original size sheet
0 1"

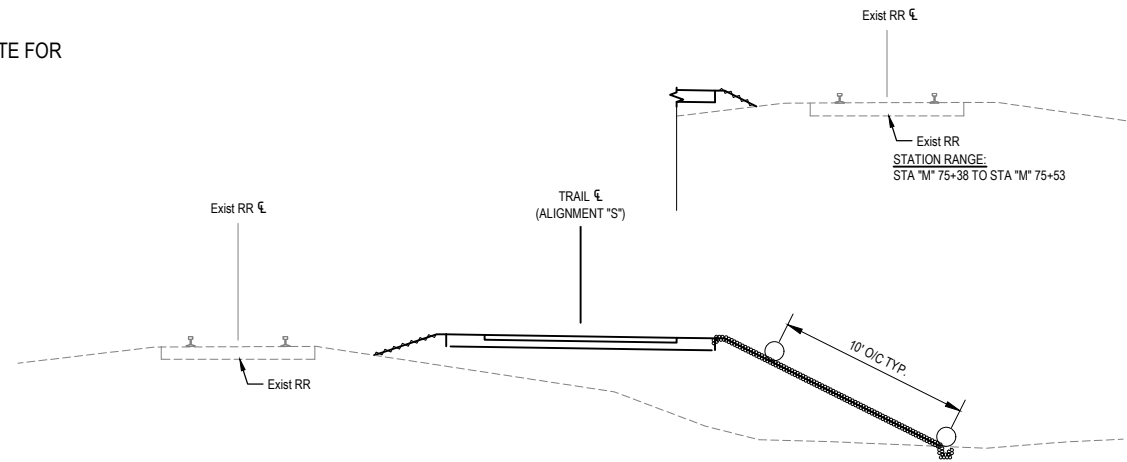


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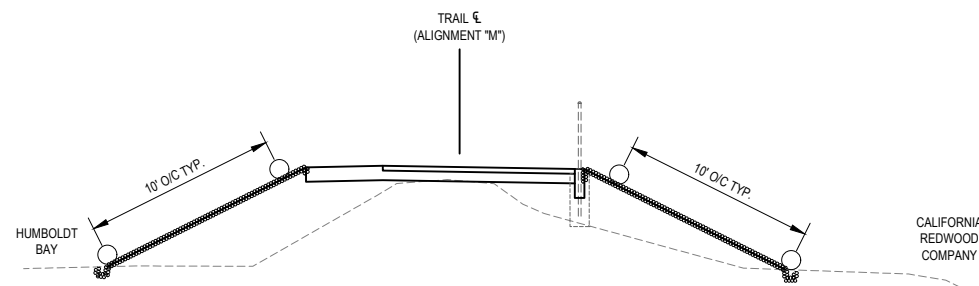
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Project	HUMBOLDT BAY TRAIL SOUTH		
Title	EROSION CONTROL 3 OF 8		
GHD Project No. 11110166 & 11218356			
Original Size	ANSI D	Sheet No.	EC-103

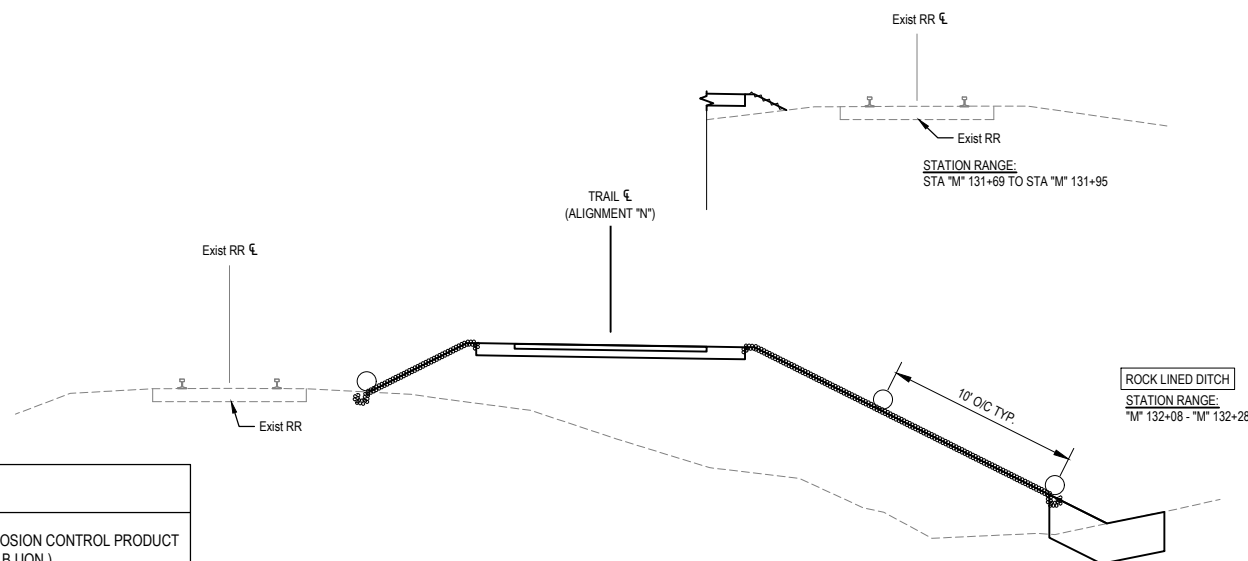
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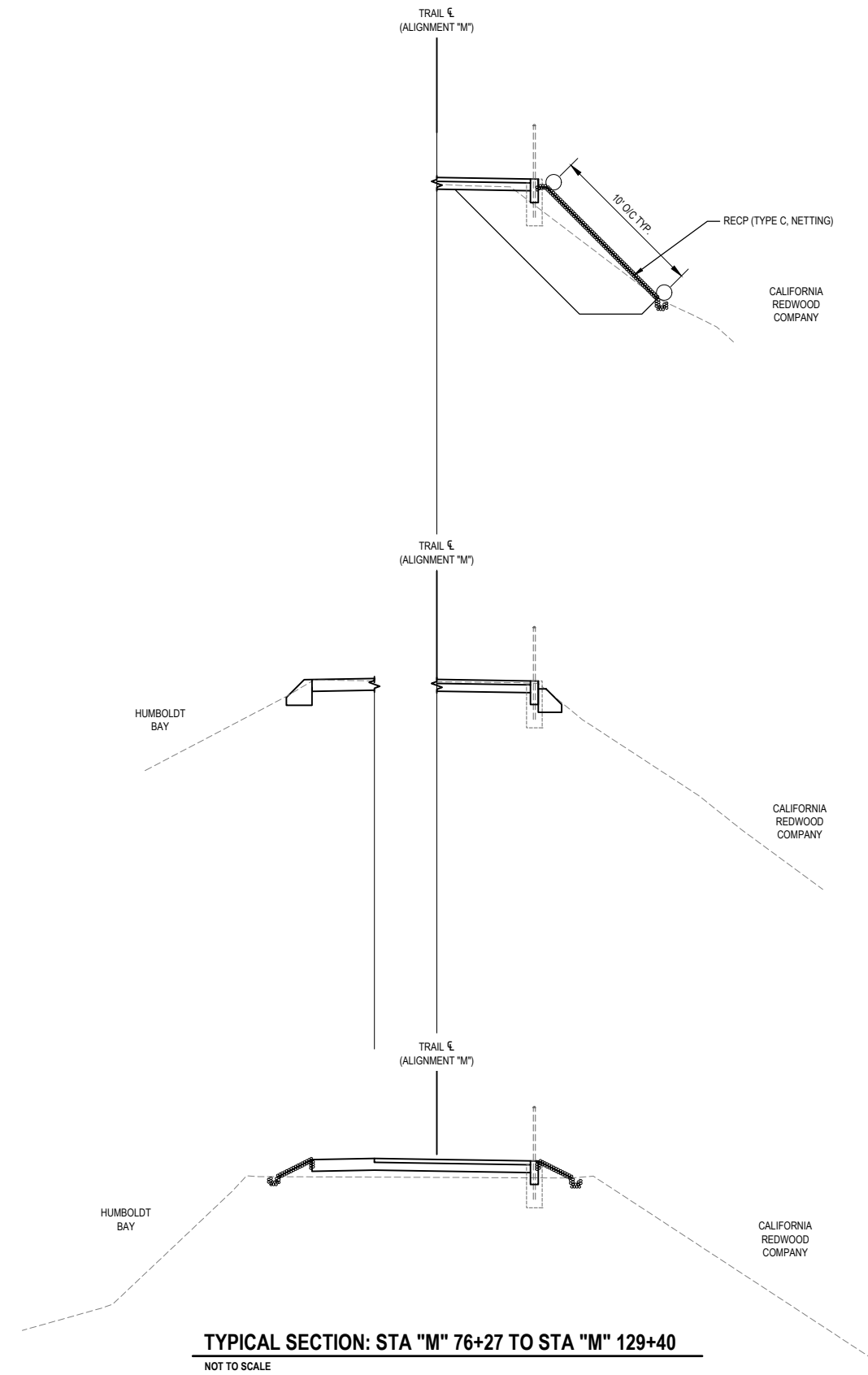
TYPICAL SECTION: STA "M" 74+94 TO STA "M" 75+53
NOT TO SCALE



**TYPICAL SECTION: STA "M" 76+01 TO STA "M" 77+00;
STA "M" 129+40 TO STA "M" 129+99**
NOT TO SCALE



TYPICAL SECTION: STA "M" 131+69 TO STA "M" 132+28
NOT TO SCALE



TYPICAL SECTION: STA "M" 76+27 TO STA "M" 129+40
NOT TO SCALE

LEGEND	
	HYDROSEED UNDER ROLLED EROSION CONTROL PRODUCT (RECP SHALL BE NETTING, TYPE B UON.)
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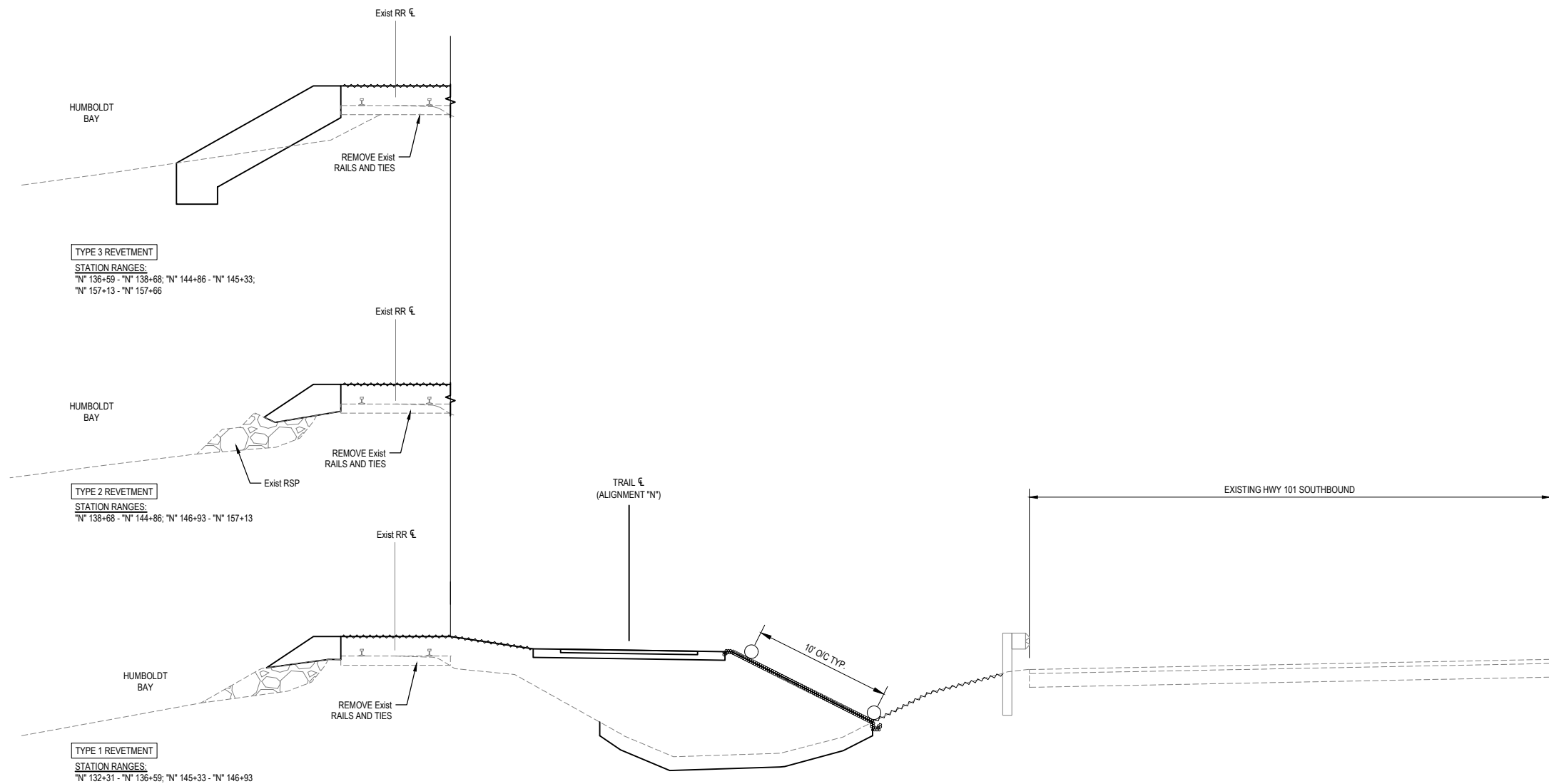


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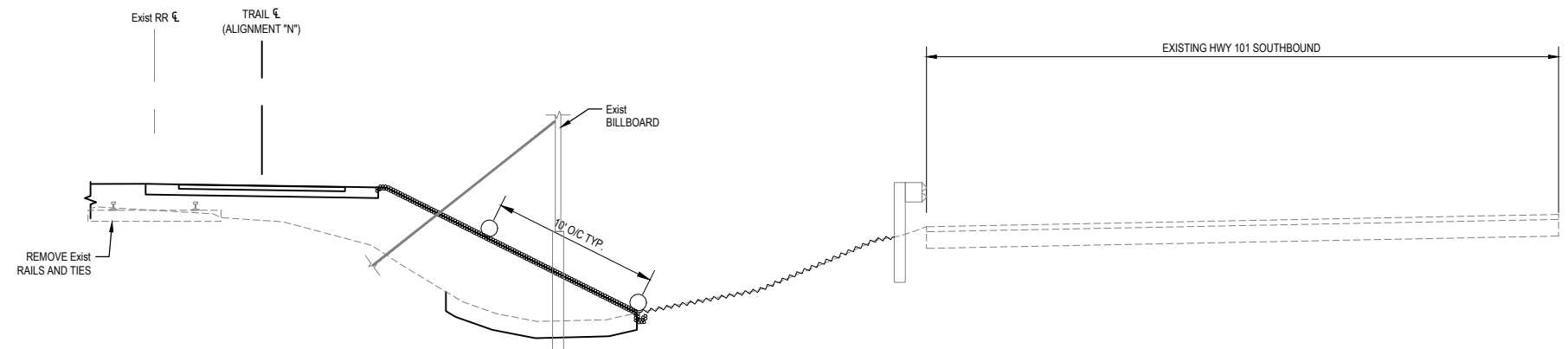
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Project	HUMBOLDT BAY TRAIL SOUTH		
Title	EROSION CONTROL 4 OF 8		
GHD Project No.	11110166 & 11218356		
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TYPICAL SECTION: STA "N" 132+43 TO STA "N" 156+25



TYPICAL SECTION: STA "N" 156+25 TO STA "N" 157+88

LEGEND	
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	FIBER ROLL
	HYDROSEED

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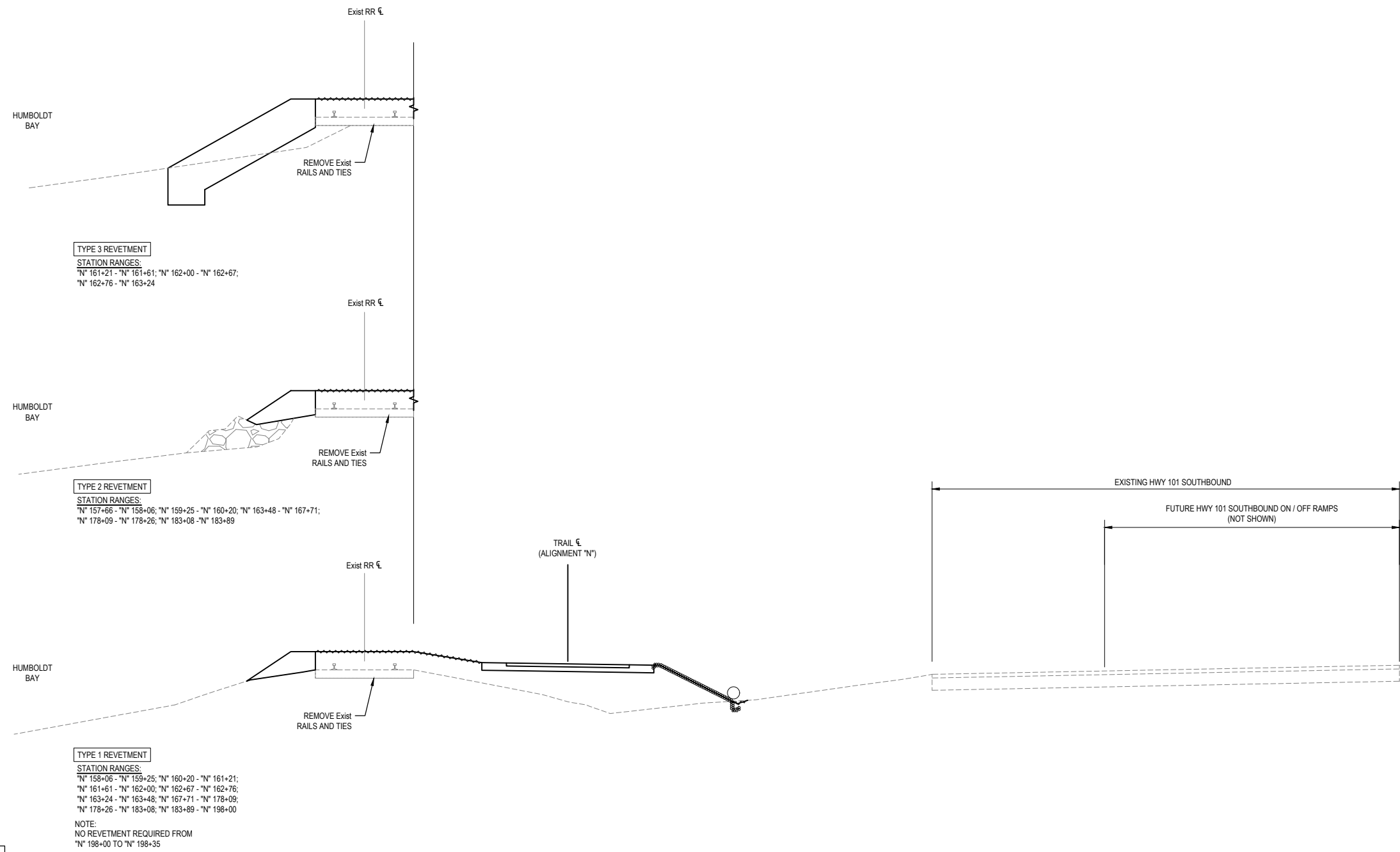


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Project	HUMBOLDT BAY TRAIL SOUTH		
Title	EROSION CONTROL 5 OF 8		
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Original Size	ANSI D	Sheet No.	EC-105
Sheet 105 of 108			

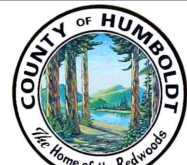
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TYPICAL SECTION: STA "N" 157+88 TO STA "N" 198+35

LEGEND	
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	FIBER ROLL
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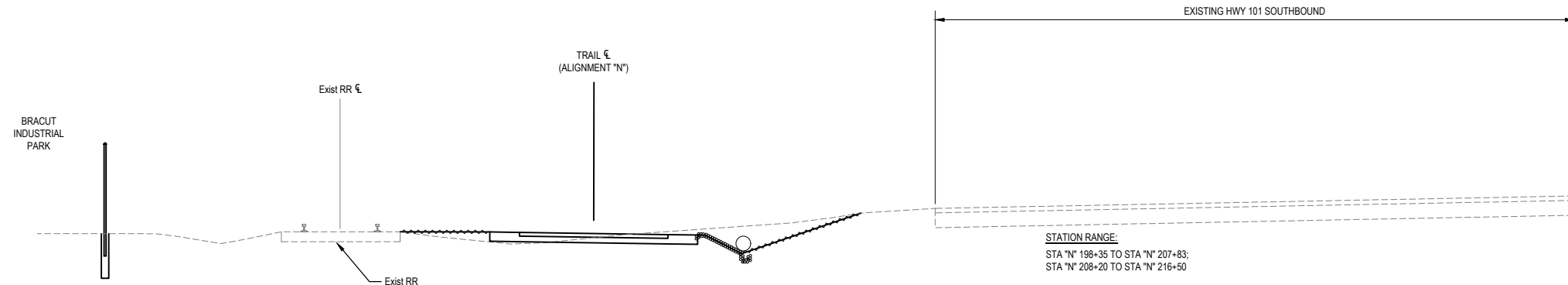


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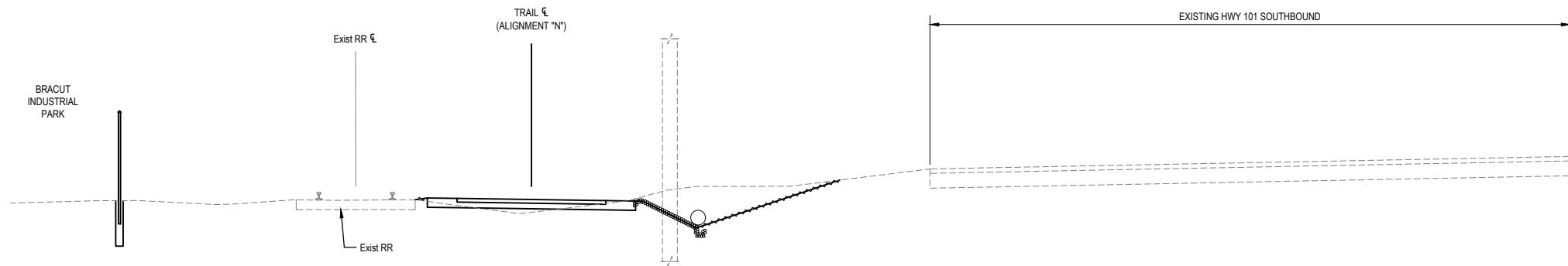
Client	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS		
Project	HUMBOLDT BAY TRAIL SOUTH		
Title	EROSION CONTROL 6 OF 8		
GHD Project No.	11110166 & 11218356		
Original Size	ANSI D	Sheet No.	EC-106

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**TYPICAL SECTION: STA "N" 198+35 TO STA "N" 199+95;
STA "N" 200+75 TO STA "N" 207+26; STA "N" 208+80 TO STA "N" 217+00**

NOT TO SCALE



TYPICAL SECTION: STA "N" 199+95 TO STA "N" 200+75

NOT TO SCALE

LEGEND

- HYDROSEED UNDER ROLLED EROSION CONTROL PRODUCT (RECP SHALL BE NETTING, TYPE B UON.)
- FIBER ROLL
- HYDROSEED

No.	Issue	Drawn	Approved	Date



Bar is one inch on original size sheet
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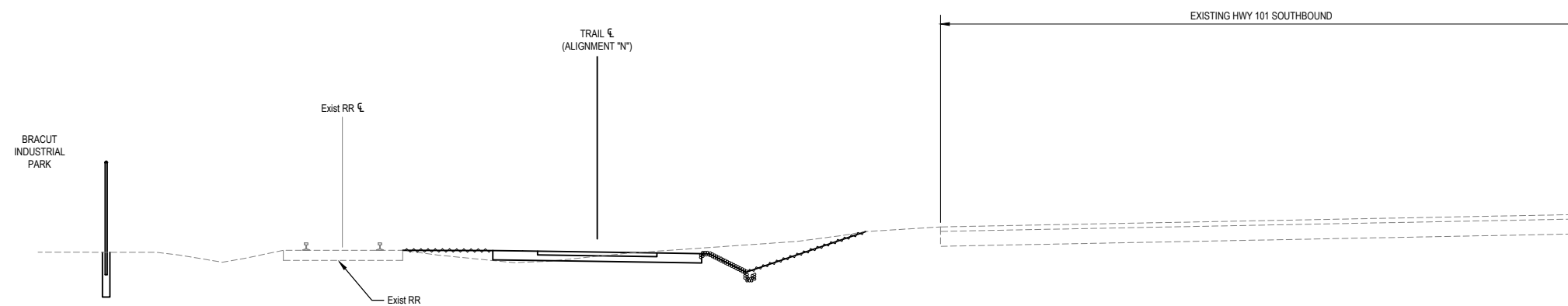


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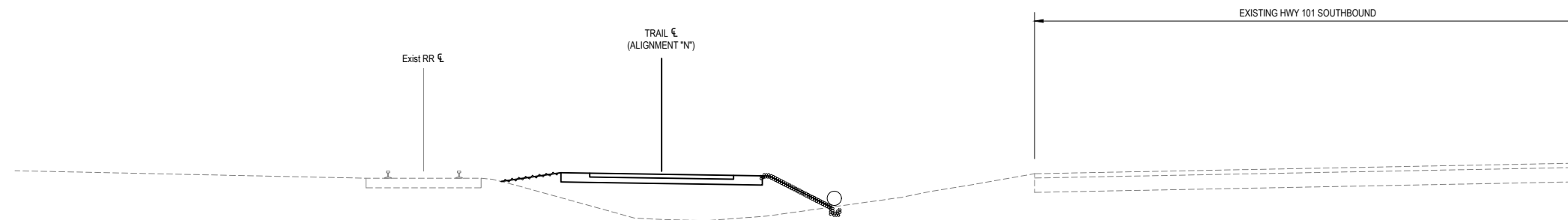
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Project	HUMBOLDT BAY TRAIL SOUTH		
Title	EROSION CONTROL 7 OF 8		
GHD Project No. 11110166 & 11218356			
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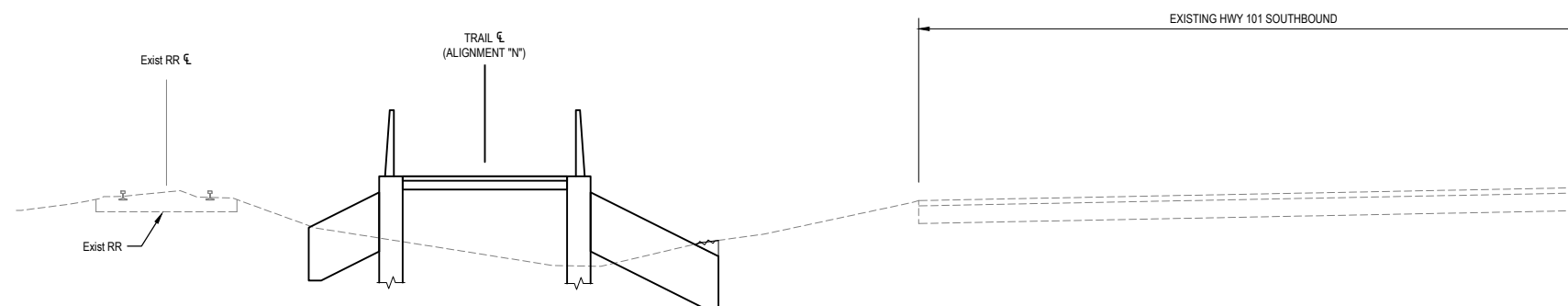
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**TYPICAL SECTION: STA "N" 207+26 TO STA "N" 207+83
AND STA "N" 208+20 TO STA "N" 208+80**
NOT TO SCALE



**TYPICAL SECTION: STA "N" 217+00 TO STA "N" 221+55;
STA "N" 222+61 TO STA "N" 224+41**
NOT TO SCALE



**TYPICAL SECTION: STA "N" 221+55 TO STA "N" 221+71;
STA "N" 222+51 TO STA "N" 222+67**
NOT TO SCALE

LEGEND	
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Title	EROSION CONTROL 8 OF 8		
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