

FUNDING SOURCE

THIS PROJECT IS FUNDED BY THE US DEPARTMENT OF TRANSPORTATION, FEDERAL HIGHWAY ADMINISTRATION EMERGENCY RELIEF PROGRAM



INDEX OF SHEETS

- 1 COVER SHEET
- 2 CONSTRUCTION AREA SIGNS, QUANTITIES, AND DETAILS
- 3 STOCKPILE LOCATIONS AND DETAILS
- 4 TYPICAL SECTIONS AND DETAILS
- 5 PLAN AND PROFILE
- 6-7 CROSS SECTIONS

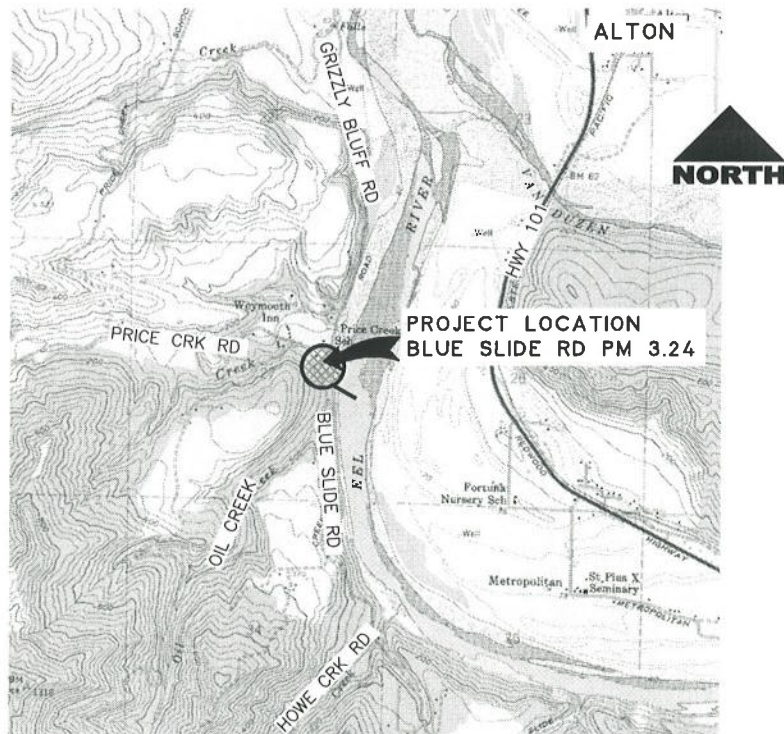
NOTES

REFERENCE TO CALTRANS STANDARD PLANS DATED JULY 2018. (SEE APPLICABLE STAN PLAN LIST IN SPECIAL PROVISIONS)

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

DESIGN DESIGNATION

ADT (FEB '09)=320
V=(NOT POSTED)



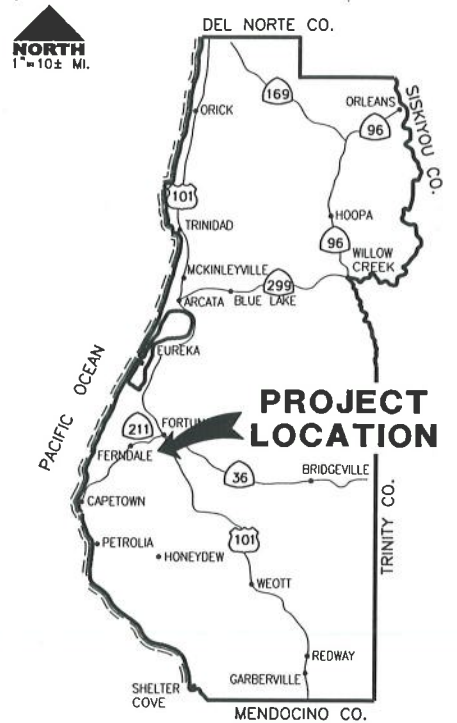
PROJECT VICINITY MAP
NOT TO SCALE



COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS

**PROJECT PLANS FOR CONSTRUCTION OF
STORM DAMAGE REPAIRS ON
BLUE SLIDE ROAD (2G100) PM 3.24
PROJECT NO. ER-32L0(528)
CONTRACT NO. 217446**

BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: BLUE SLIDE ROAD	DESIGN SECTION: ENGINEERING	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS	SHEET 1 OF 7
	ROAD NO: 2G100	MILE POST: 3.24	BLUE SLIDE RD PM 3.24 STORM DAMAGE REPAIRS	
	PROJECT NO.: ER 32L0(528)	DESIGNED BY: ENGR	COVER SHEET, SHEET INDEX AND DETAILS	
	CONTRACT NO.: 217446	DRAWN BY: ENGR		
	DRAWING FILE NAME: L:\PROJECTS\211247BlueSlideRd_PM3.24\dwg\CDSN01.dwg	REVIEWED BY: JAB		
	PLOT DATE: 1/29/2020	REVISION DATE:	APPROVED BY: ARS	



LOCATION MAP
SCALE: 1"=10± MILE

RECOMMENDED

Jeffrey A. Ball
JEFFREY A. BALL
RCE 70630, EXP. 6/30/2021
DATE: 1-29-2020



APPROVED

Tony R. Seghetti
TONY R. SEGHETTI
RCE 63714, EXP. 9/30/2020
DATE: 1/29/20



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



BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: BLUE SLIDE ROAD ROAD NO: 20100 PROJECT NO: ER 32.0(528) CONTRACT NO: 217446 DRAWING FILE NAME: L:\PROJECTS\211247BlueSlideRd_PM3.24\dwg\CDSN02.dwg PLOT DATE: 1/29/2020	MILE POST: 3.24 DESIGN SECTION: ENGINEERING DESIGNED BY: ENGR DRAWN BY: ENGR REVIEWED BY: JAB APPROVED BY: ARS	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS BLUE SLIDE RD PM 3.24 STORM DAMAGE REPAIRS CONSTRUCTION AREA SIGNS, QUANTITIES, SURVEY CONTROL AND DETAILS	SHEET 2 OF 7
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SURVEY CONTROL COORDINATES

POINT #	NORTHING	EASTING	ELEV	FULL DESCRIPTION
1	2083155.54	5960347.01	72.09'	set80dspike
2	2082960.65	5960300.91	78.86'	set80dspike
3	2082644.51	5960126.31	99.74'	set80dspike
9	2082924.37	5960272.03	79.97'	set80dspike+shnrorangefflag
10	2082803.47	5960183.30	86.79'	set80dspike+shnrorangefflag
11	2082924.89	5960421.30	66.42'	set80dspike+shnrorangefflag

BASIS OF BEARINGS BETWEEN CP 8 & CP 7 WITH G.P.S. AND OPUS SOLUTIONS. HELD CP 8 TO CP 7, N 10° 46' 34" E WITH AN ELEV 253.44 ON CP8 (NAVD88 (COMPUTED USING GEOID12)) CA STATE PLANE COORDINATES TO OBTAIN GEODETIC (TRUE) NORTH ROTATE BEARINGS COUNTER-CLOCKWISE 1° 24' 54" ON CP8 AND MULTIPLY ALL DISTANCES BY 1.00009768 TO OBTAIN GROUND DISTANCES. T. 2N., R. 1 W., SECTION 27 H.B. & M.

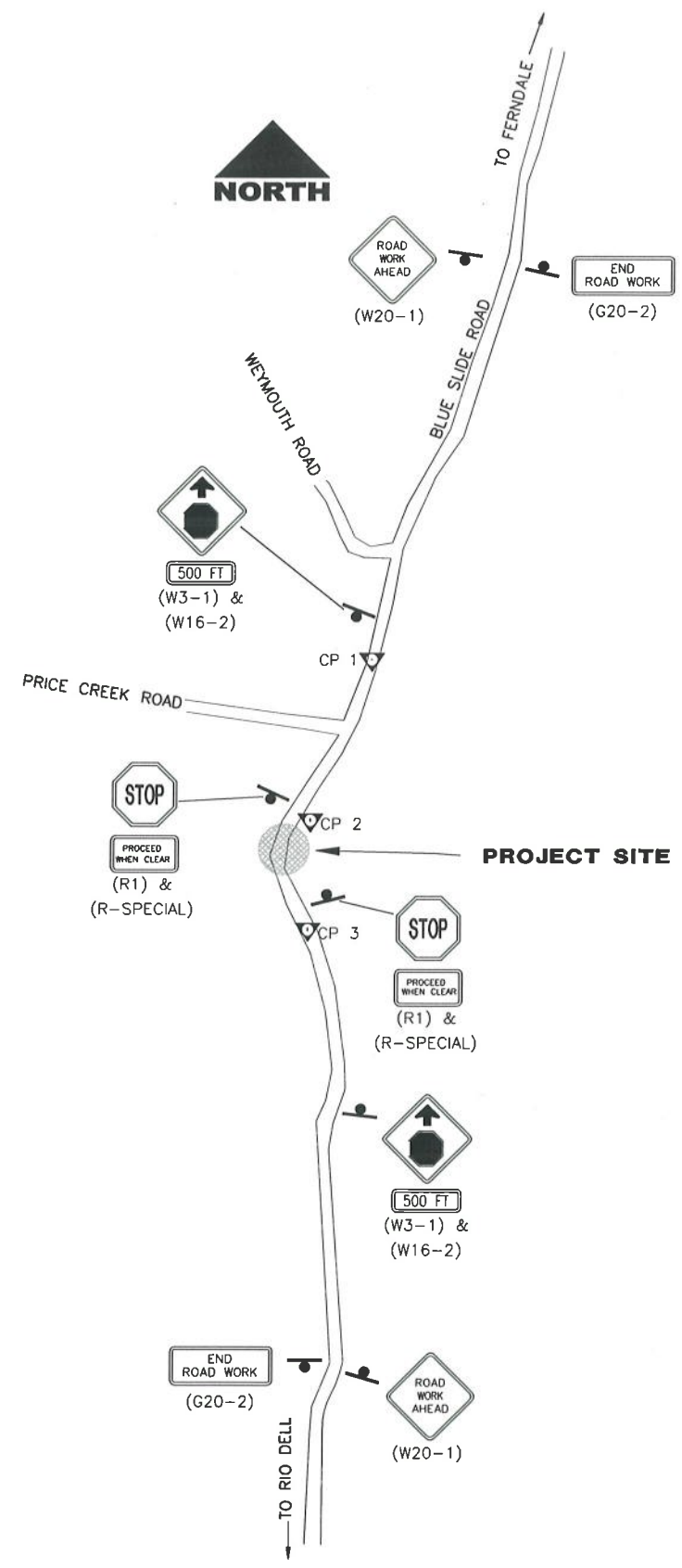
RIGHT OF WAY NOTE : ROAD REGISTER 1, # 136, PAGE 222. GRIZZLY BLUFF AND CAMP GRANT ROAD 1876. WIDTH OF ROAD 50 FEET. SEE BOOK 2 MAPS PAGE 54 OIL CREEK SHOWN ON MAP.

PROJECT LAYOUT

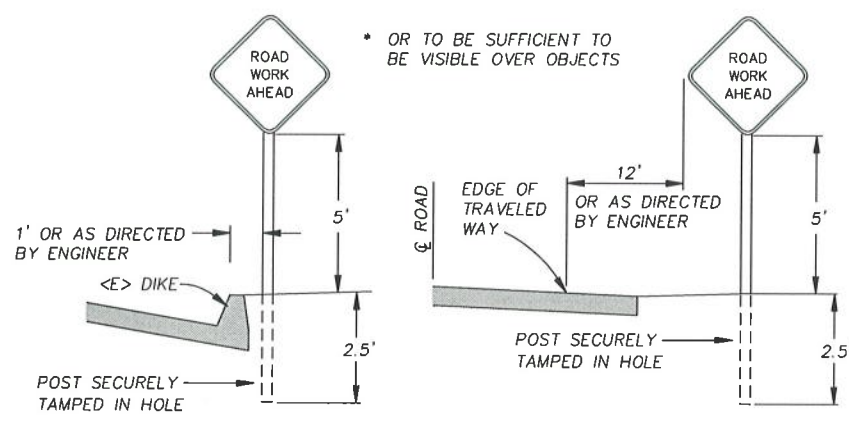
DESCRIPTION	NORTHING	EASTING
B.O.P. - 3+00 CONFORM	2082879.28	5960239.26
BEGIN WALL-TOE AT FACE	2082899.43	5960272.99
END WALL-TOE AT FACE	2082956.97	5960301.01
E.O.P. - 4+30 CONFORM	2082996.16	5960296.19

QUANTITIES

ITEM NO.	ITEM CODE	ITEM DESCRIPTION	UNIT	QUANTITY
1	120090	Construction Area Signs	EA	8
2	120100	Traffic Control System	LS	1
3	129000	Temporary Railing (Type K)	EA	11
4	130100	Job Site Management	LS	1
5	130200	Prepare Water Pollution Control Program	LS	1
6	130680	Temporary Silt Fence	LF	100
7	170103	Clearing and Grubbing (LS)	LS	1
8	190101	Roadway Excavation	CY	64
9	192037	Structure Excavation	CY	670
10	193002	Structure Backfill (Wire Wall)	CY	335
11	198050	Embankment	CY	280
12	210350	Fiber Rolls	LF	100
13	210212	Dry Seed	SQFT	800
14	260303	Class 3 Aggregate Base	CY	100
15	390132	Hot Mix Asphalt (Type A)	TON	70
16	394073	Hot Mix Asphalt Dike (Type A)	LF	130
17	477020	Mechanically Stabilized Embankment (Wire Wall)	SQFT	1,024
18	680902	6" Perforated Plastic Pipe Underdrain	LF	70
19	680903	6" Non-Perforated Plastic Pipe Underdrain	LF	30
20	682022	Class 1 Permeable Material (Blanket)	CY	125
21	832002	Metal Beam Guard Railing (Steel Posts)	LF	38
22	839585	Alternative Flared Terminal System	EA	2
23	999990	Mobilization	LS	1



TRAFFIC CONTROL PLAN
1"=200'±



RURAL CONSTRUCTION AREA SIGN
- NOT TO SCALE -

NOTES

- SIGNS SHALL BE PLACED AS SHOWN ON PLAN OR AS DIRECTED BY THE ENGINEER.
- FINAL PLACEMENT OF SIGNS SHALL BE APPROVED BY RESIDENT ENGINEER.
- ADDITIONAL PORTABLE SIGNS SHALL BE USED AS REQUIRED FOR OTHER ROADSIDE WORK.
- SEE STANDARD PLAN T13 FOR TRAFFIC CONTROL SYSTEM.
- IN ADDITION TO CONSTRUCTION AREA SIGNS AND WHEN DIRECTED BY THE RESIDENT ENGINEER, THE CONTRACTOR SHALL UTILIZE FLAGMEN AS NECESSARY TO DIRECT TRAFFIC.
- DISTANCE TO W20-1 AND G20-2 MAY BE EXTENDED TO ENCOMPASS SITES WITHIN ONE MILE OF EACH OTHER.

CONSTRUCTION AREA SIGN SUMMARY

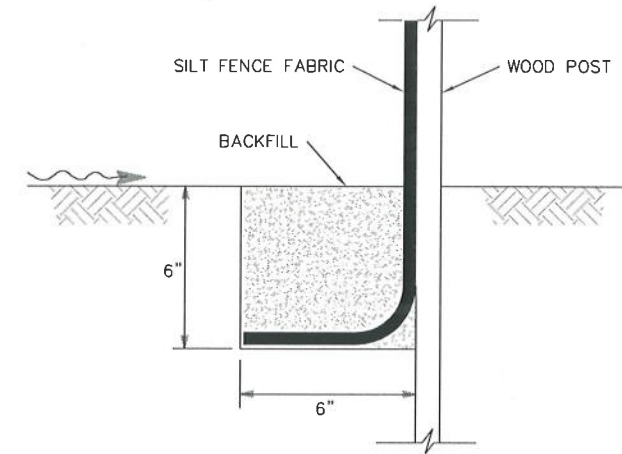
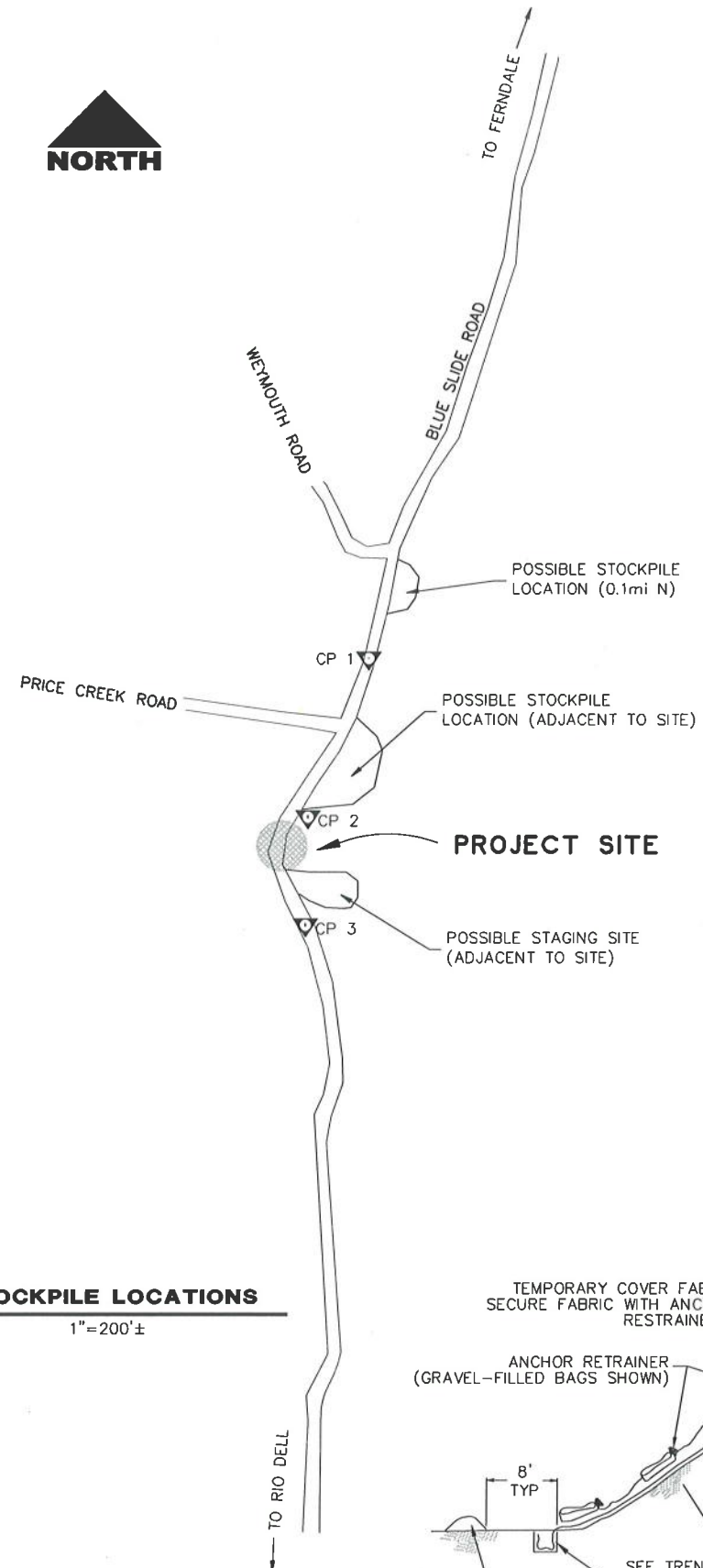
SIGN TYPE	QTY	DESCRIPTION	SIZE	REMARKS	POST SIZE	NUMBER
W20-1	2	ROAD WORK AHEAD	36" x 36"	VISIBLE AT ALL TIMES	4" x 4"	1
W3-1 W16-2	2	STOP AHEAD 500 FT	36 x 36 24" x 18"	VISIBLE AT ALL TIMES	4 x 4	1
R1 R-SPECIAL	2	STOP PROCEED WHEN CLEAR	30" x 30" 24" x 18"	VISIBLE AT ALL TIMES	4 x 4	1
G20-2	2	END ROAD WORK	36" x 18"	VISIBLE AT ALL TIMES	4 x 4	1



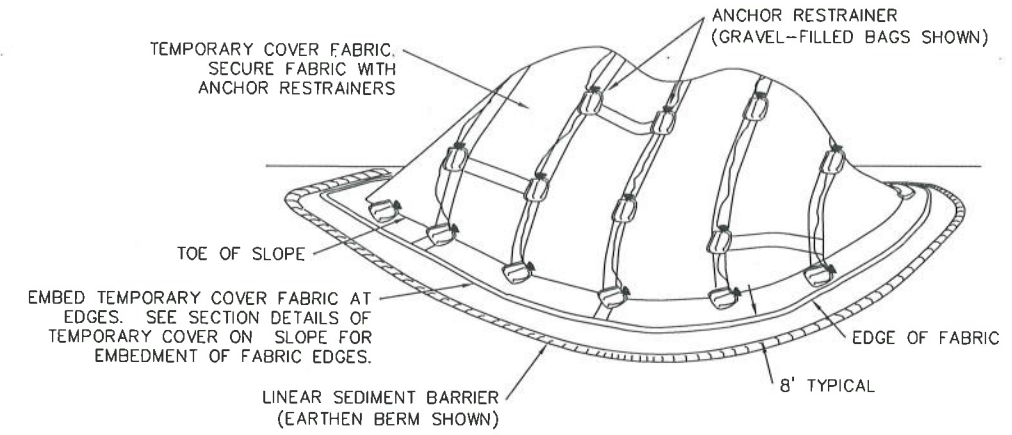
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IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

ROAD NAME: BLUE SLIDE ROAD	DESIGN SECTION: ENGINEERING
ROAD NO: 2G100	MILE POST: 3.24
PROJECT NO: ER 32L(528)	DESIGNED BY: ENGR
CONTRACT NO: 217446	DRAWN BY: ENGR
DRAWING FILE NAME: L:\PROJECTS\211247BlueSlideRd_PM3.24\dwg\CDSN02.dwg	REVIEWED BY: JAB
PLOT DATE: 1/29/2020	REVISION DATE:
	APPROVED BY: ARS

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS BLUE SLIDE RD PM 3.24 STORM DAMAGE REPAIRS STOCKPILE LOCATIONS AND DETAILS	SHEET 3 OF 7
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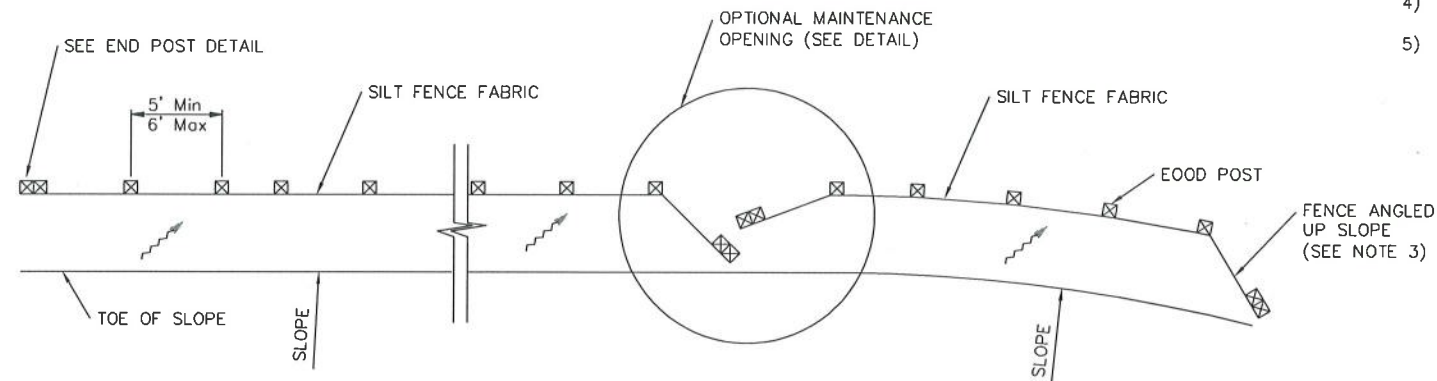
SECTION TRENCH DETAIL
NOT TO SCALE



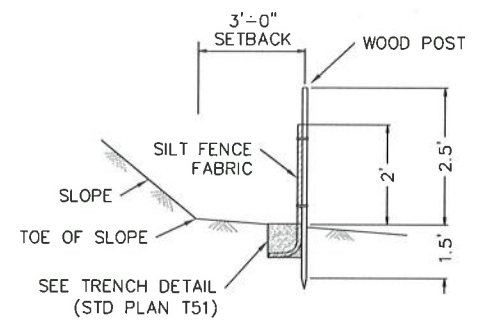
TEMPORARY STOCKPILE DETAIL
NOT TO SCALE

STOCKPILE NOTES- STD PLAN T53

- 1) SHALL HAVE STRAW WADDLES, HAY BALES AND OR SILT FENCE AROUND STOCKPILE (SILT FENCE DETAIL SHOWN).
- 2) SHALL BE COVERED WITH PLASTIC WHEN NOT IN USE AND BE WEIGHTED DOWN WITH SANDBAGS OR EQUIVALENT (AS PER STANDARD PLAN T53).
- 3) IF STOCKPILE AREA IS IN A TURNOUT, THE TURNOUT SHALL BE REESTABLISHED TO PRE-CONSTRUCTION CONDITIONS.
- 4) IF TEMPORARY CULVERTS ARE INSTALLED, THE DITCH LINE SHALL BE RECONSTRUCTED AT THE END OF THE PROJECT.
- 5) STOCKPILE LOCATIONS HAVE BEEN APPROVED BY PUBLIC WORKS AS DETAILED IN THE ENVIRONMENTAL REPORT. ALTERNATIVE SITES MAY BE APPROVED THROUGH PUBLIC WORKS IN WRITING.



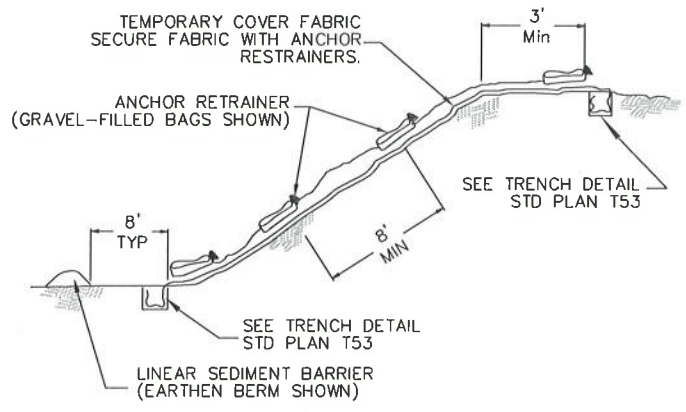
PLAN TEMPORARY SILT FENCE
NOT TO SCALE



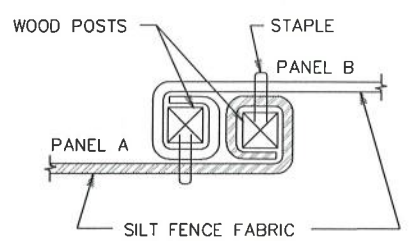
TEMPORARY SILT FENCE DETAIL
NOT TO SCALE

SILT FENCE NOTES- STD PLAN T51

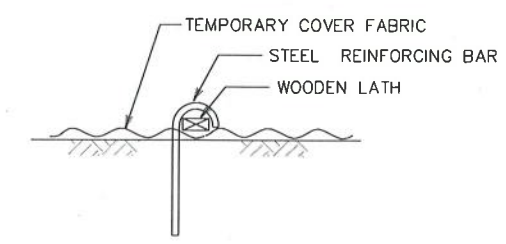
- 1) INSTALL TEMPORARY SILT FENCE BY FIRST DIGGING TRENCH, DRIVING POSTS, PLACING AND SECURING FABRIC. THEN BACKFILL AND TAMP.
- 2) REACH LENGTH NOT TO EXCEED 500 FEET.
- 3) THE DOWN STREAM END OF THE TEMPORARY SILT FENCE SHALL HAVE THE LAST 8' ANGLED UP SLOPE.
- 4) SETBACK DIMENSIONS MAY VARY TO FIT FIELD CONDITIONS.
- 5) POSTS TO OVERLAP AND FENCE FABRIC TO FOLD AROUND EACH POST ONE FULL TURN. SECURE FABRIC WITH 4 STAPLES FOR EACH POST.
- 6) POSTS SHALL BE DRIVEN TIGHTLY TOGETHER TO PREVENT POTENTIAL FLOW-THROUGH OF SEDIMENT AT THE JOINT. THE TOPS OF THE POSTS SHALL BE SECURED TO EACH OTHER WITH WIRE.
- 7) FOR EACH END POST, FENCE FABRIC SHALL BE FOLDED AROUND TWO POSTS ONE FULL TURN AND SECURED WITH 4 STAPLES.
- 8) MINIMUM OF 4 STAPLES SHALL BE INSTALLED PER POST. DIMENSIONS SHOWN ARE TYPICAL.
- 9) MAINTENANCE OPENINGS SHALL BE CONSTRUCTED IN A MANNER TO ENSURE THAT SEDIMENT IS RETAINED BY THE TEMPORARY SILT FENCE.
- 10) JOINT SECTIONS SHALL NOT BE PLACED AT SUMP LOCATIONS.



TEMPORARY COVER ON SLOPE
NOT TO SCALE



PLAN POST AT JOINTS
NOT TO SCALE

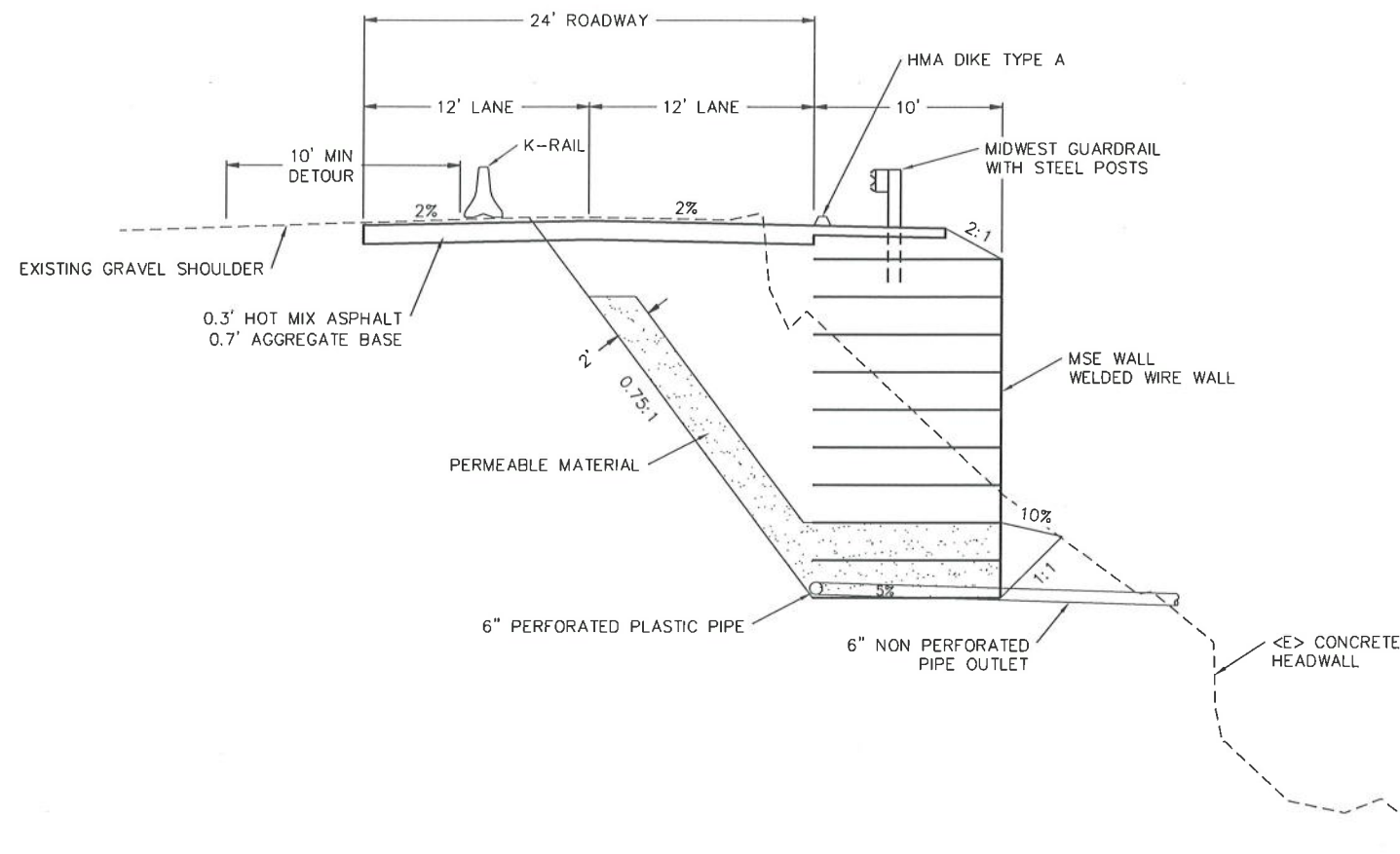


SECTION ANCHOR RESTRAINER
(STEEL BAR AND WOODEN LATH)
NOT TO SCALE

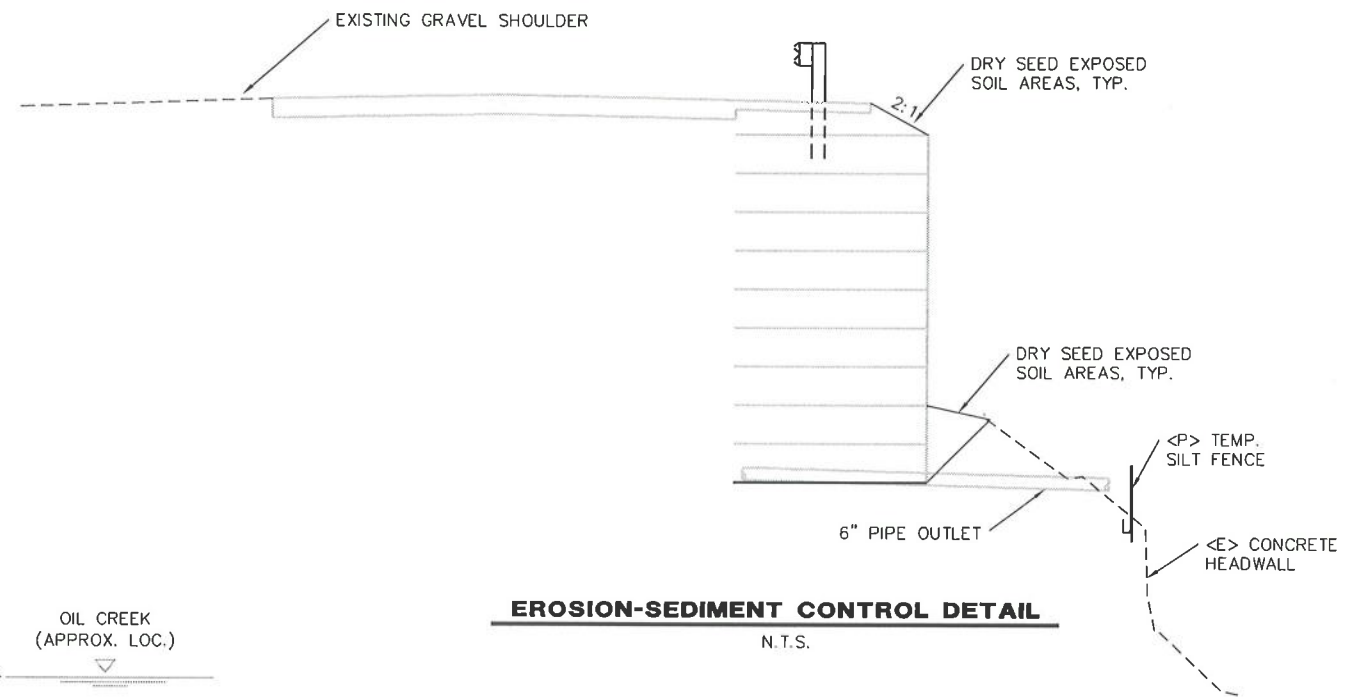
STOCKPILE LOCATIONS
1"=200'±



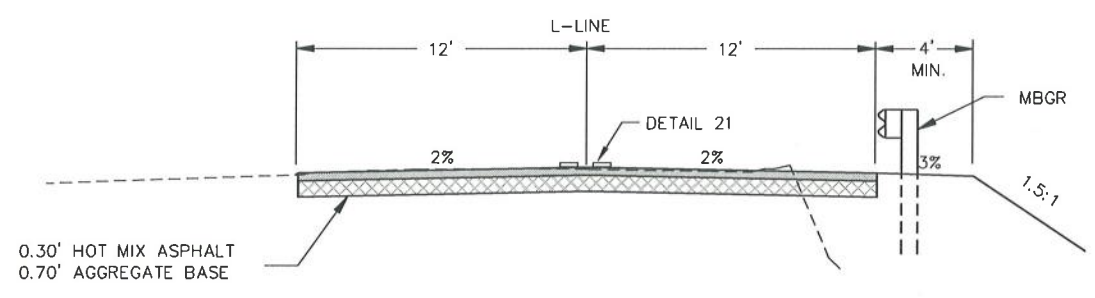
BAR IS ONE INCH ON ORIGINAL DRAWING IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: BLUE SLIDE ROAD ROAD NO: 2G100 PROJECT NO: ER 32L0(528) CONTRACT NO: 217446 DRAWING FILE NAME: L:\PROJECTS\2017 STORM DAMAGE\Blue Slide Rd 3.24\CD\2903.dwg PLOT DATE: 1/29/2020	MILE POST: 3.24 DESIGN SECTION: ENGINEERING DESIGNED BY: ENGR DRAWN BY: ENGR REVIEWED BY: JAB APPROVED BY: ARS	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS BLUE SLIDE RD PM 3.24 STORM DAMAGE REPAIRS TYPICAL SECTIONS AND DETAILS	SHEET 4 OF 7



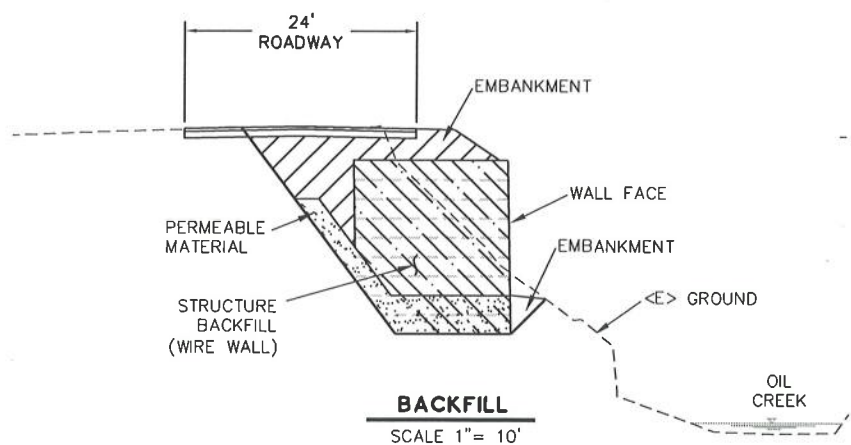
TYPICAL SECTION-WIRE WALL
SCALE 1" = 5'



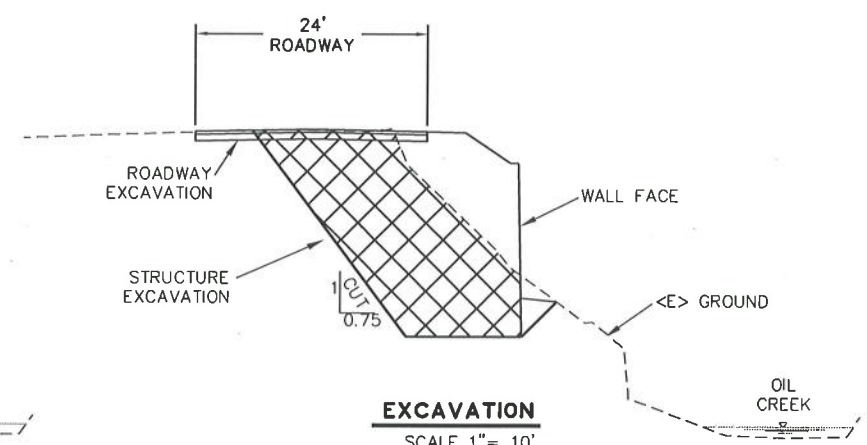
EROSION-SEDIMENT CONTROL DETAIL
N.T.S.



TYPICAL ROAD SECTION
SCALE 1" = 5'



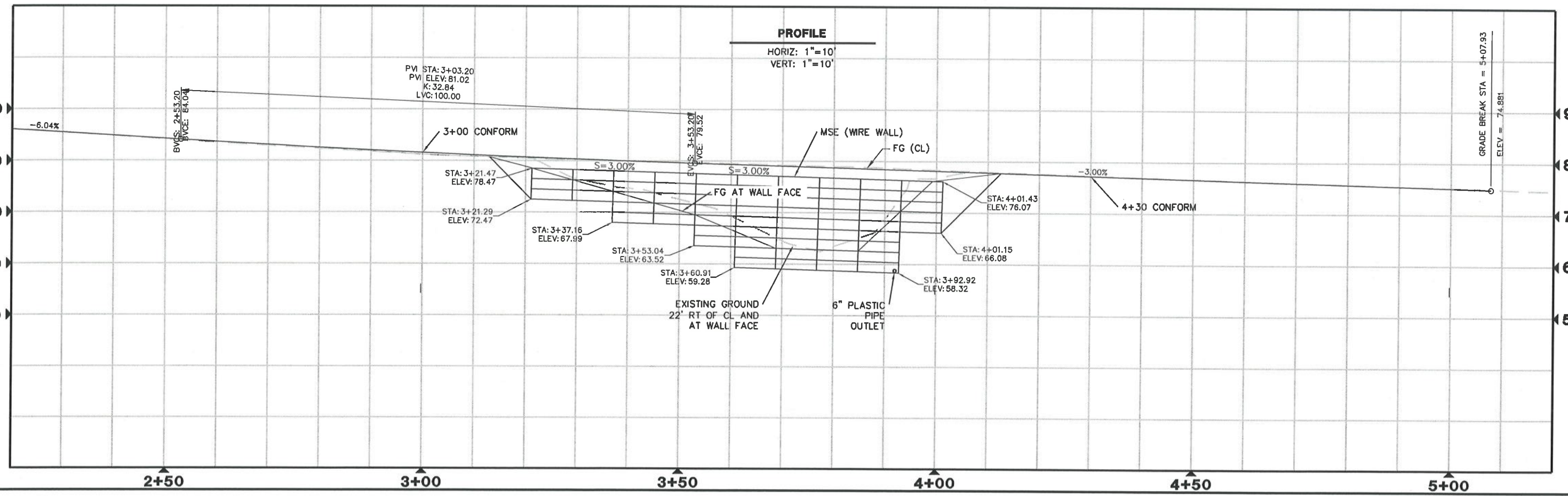
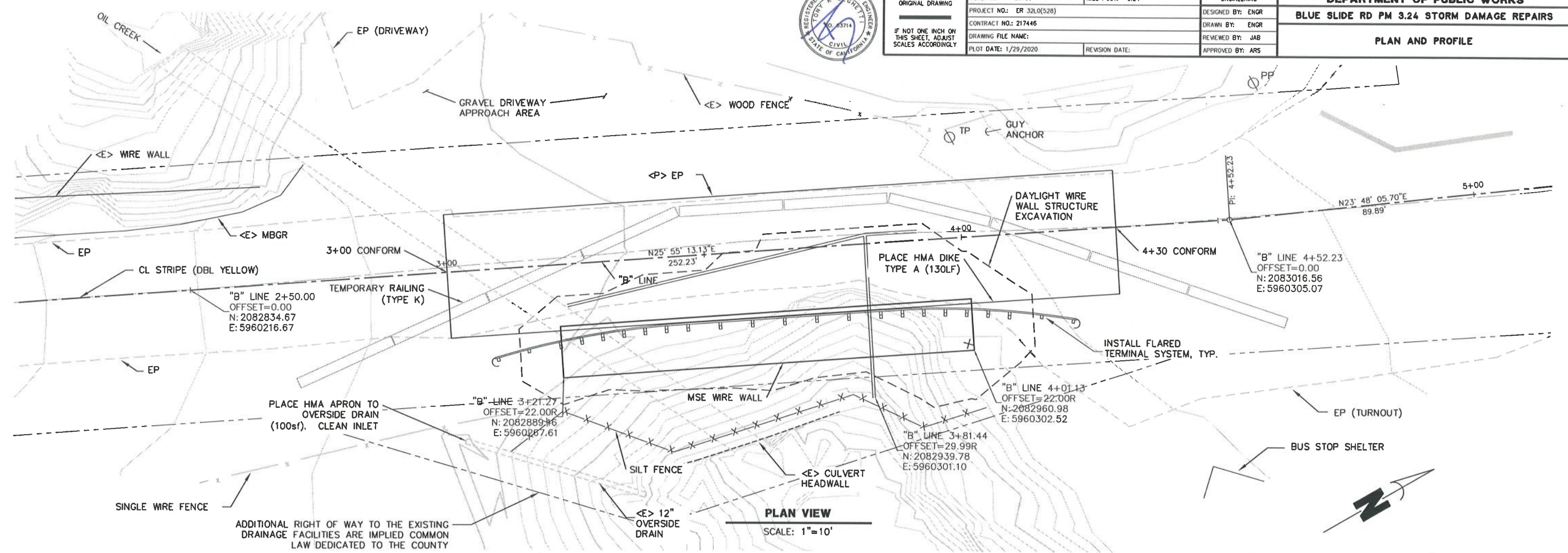
BACKFILL
SCALE 1" = 10'



WELDED WIRE WALL EXCAVATION & BACKFILL LIMITS
N.T.S.



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	ROAD NO: 2G100	MILE POST: 3.24			
	PROJECT NO: ER 320(528)	CONTRACT NO: 217446			DESIGNED BY: ENGR
	DRAWING FILE NAME:	REVISION DATE:			DRAWN BY: ENGR
	PLOT DATE: 1/29/2020	APPROVED BY: ARS			





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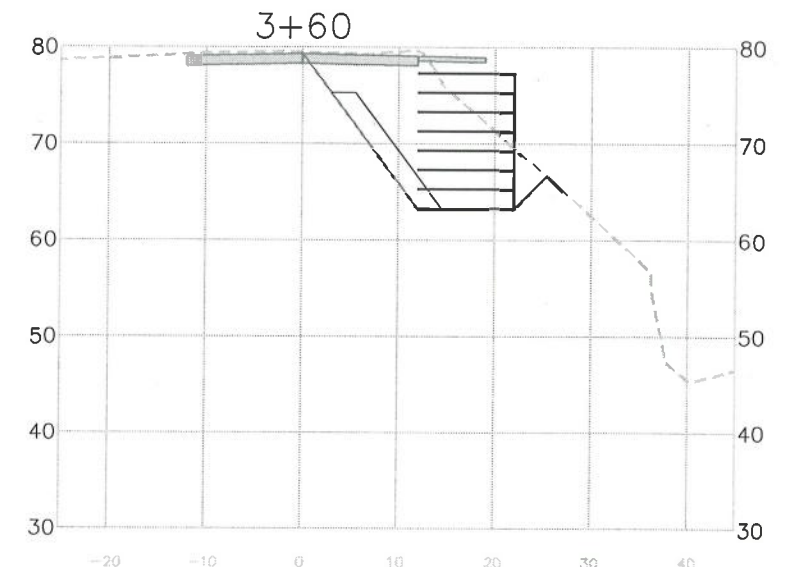
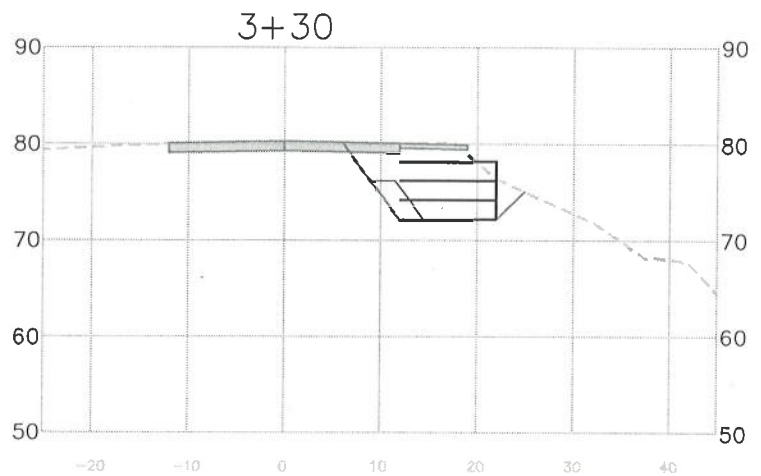
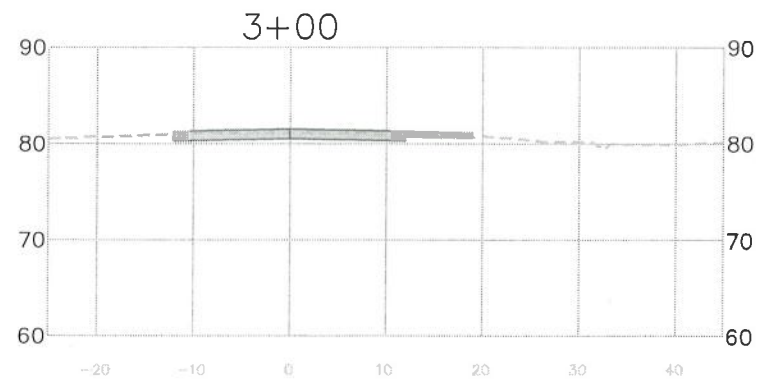
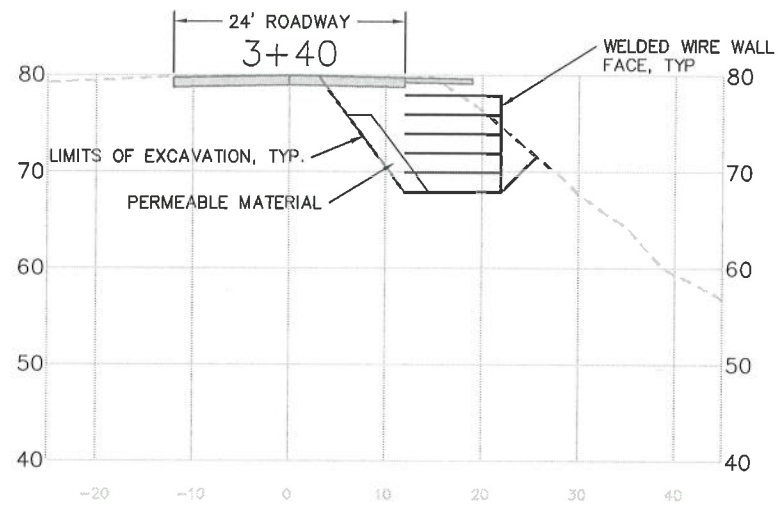
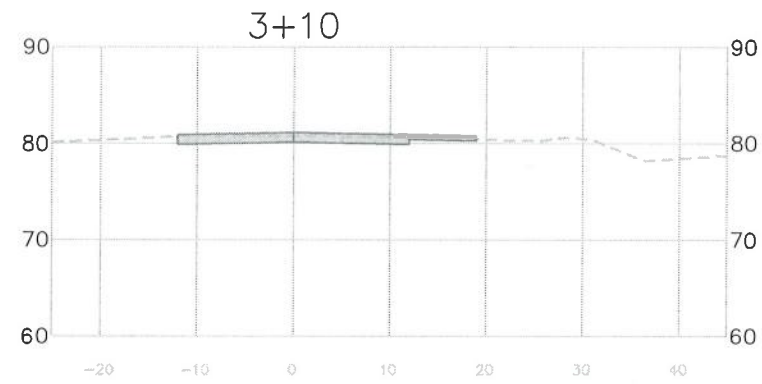
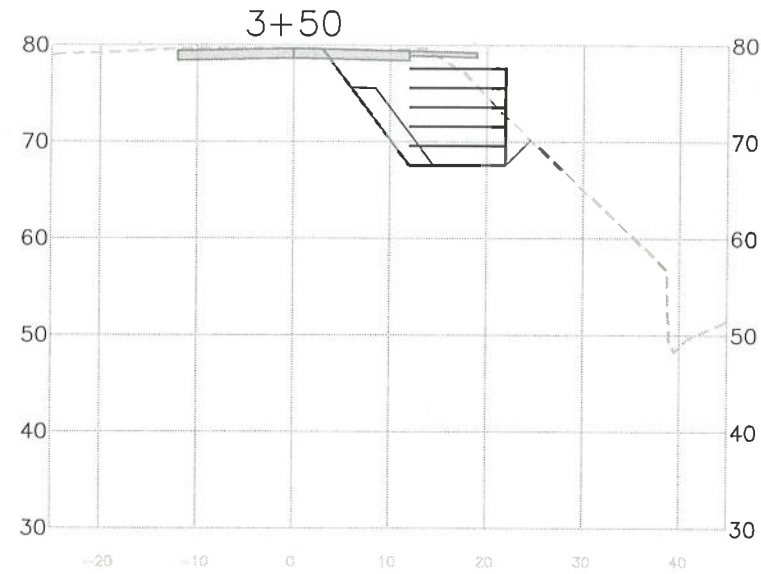
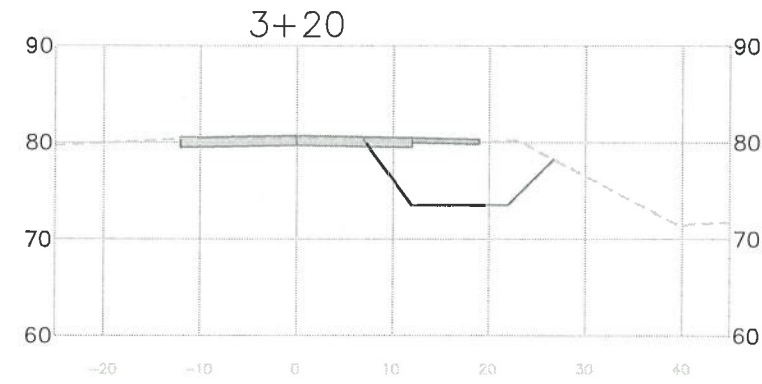
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ROAD NO: 2G100	ENGINEERING
PROJECT NO: ER 32.0(528)	DESIGNED BY: ENGR
CONTRACT NO: 217446	DRAWN BY: ENGR
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REVISION DATE:	

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
BLUE SLIDE RD PM 3.24 STORM DAMAGE REPAIRS
CROSS SECTIONS

SHEET 6 OF 7

CROSS SECTIONS

HORIZ: 1" = 10'
VERT: 1" = 10'





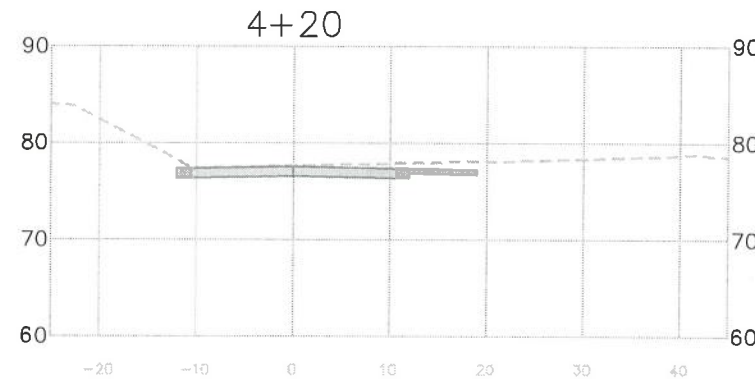
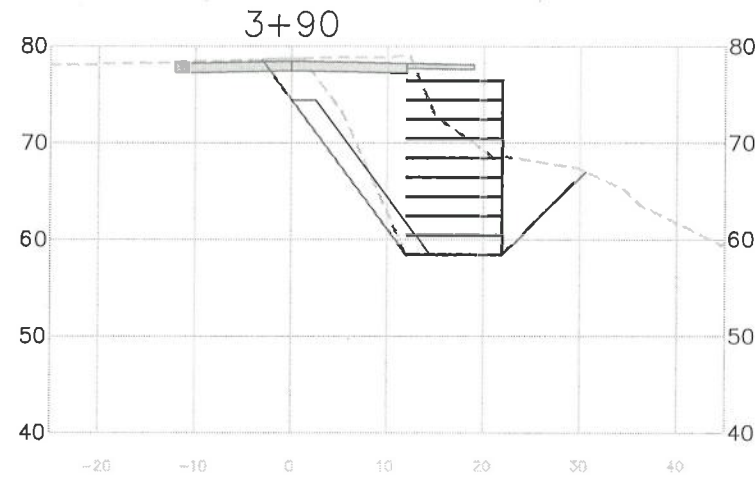
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ROAD NO: 2G100	ENGINEERING
MILE POST: 3.24	DESIGNED BY: ENGR
PROJECT NO: ER 32LO(528)	DRAWN BY: ENGR
CONTRACT NO: 217446	REVIEWED BY: JAB
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PLOT DATE: 1/29/2020	REVISION DATE:

COUNTY OF HUMBOLDT
DEPARTMENT OF PUBLIC WORKS
BLUE SLIDE RD PM 3.24 STORM DAMAGE REPAIRS
CROSS SECTIONS

SHEET
7
OF
7



CROSS SECTIONS

HORIZ: 1" = 10'
VERT: 1" = 10'

