

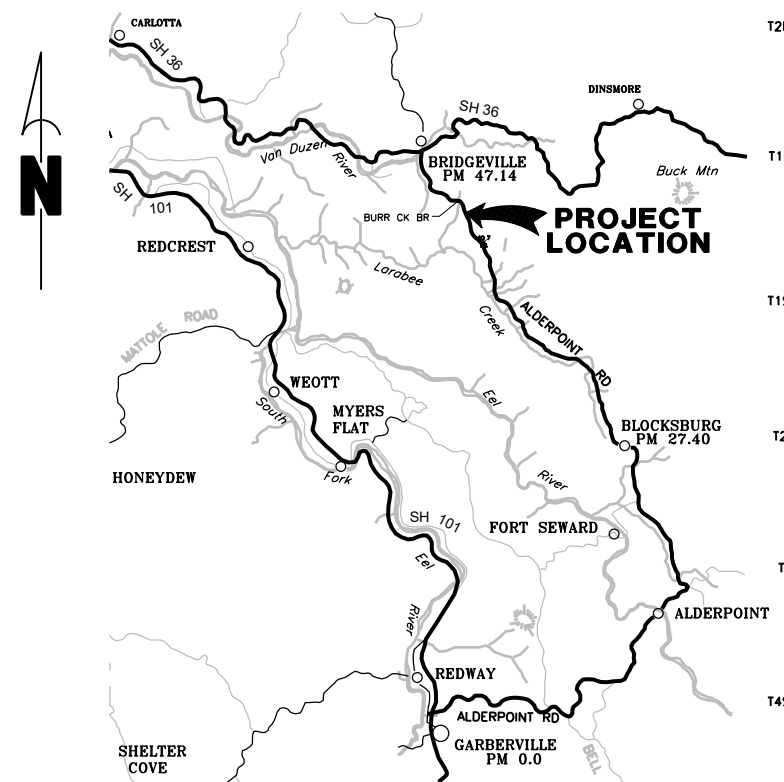
**FUNDING SOURCE**

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



**COUNTY OF HUMBOLDT  
DEPARTMENT OF PUBLIC WORKS  
PROJECT PLANS FOR CONSTRUCTION OF  
STORM DAMAGE REPAIRS ON  
ALDERPOINT ROAD (F6B165)  
at P.M. 40.21-40.70  
PROJECT NO. ER 4400 (046)  
CONTRACT NO. 206375**

BAR IS ONE INCH ON ORIGINAL DRAWING  IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: ALDERPOINT ROAD	DESIGN SECTION: ENGINEERING	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS STORM DAMAGE REPAIR TO ALDERPOINT ROAD PM 40.21-40.70 COVER SHEET, SHEET INDEX AND MAPS	SHEET <b>1</b> OF <b>18</b>
	ROAD NO.: F6B165	MILE POST: 40.21-40.70		
	AGREEMENT NO.: ER 4400(046)	DESIGNED BY: MMS		
	CONTRACT NO.: 206375	DRAWN BY: MMS		
	DRAWING FILE NAME: 206375R ALDERPOINT 40.21-40.70	REVIEWED BY: JAB		
	PLOT DATE: 5/25/2021	APPROVED BY: TRS		



**VICINITY MAP**

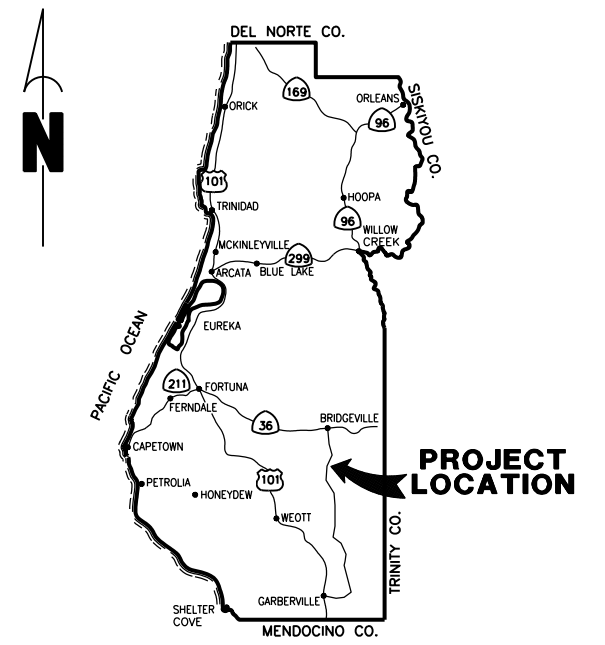
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**INDEX OF SHEETS**

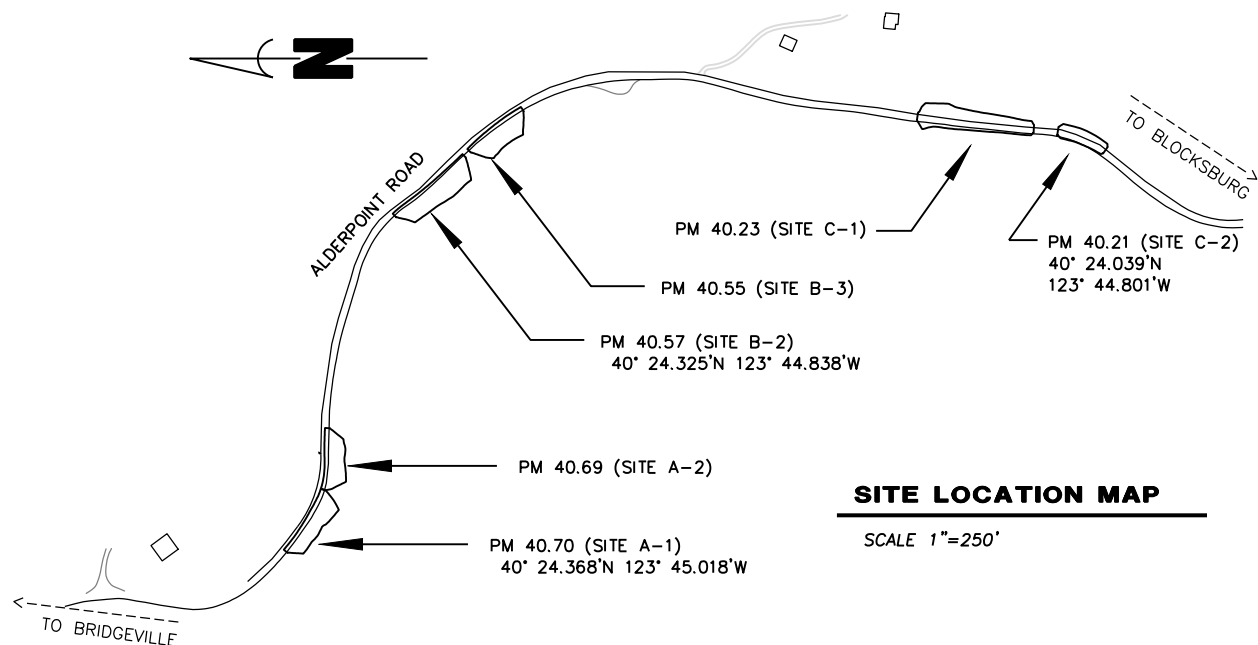
- 1 COVER SHEET
- 2 CONSTRUCTION AREA SIGNS & QUANTITIES
- 3 PROJECT SITES AND RIGHT-OF-WAY
- 4 CONSTRUCTION PHASING
- 5 RECONSTRUCTED EMBANKMENT TYPICAL SECTIONS
- 6 REINFORCED ROAD TYPICAL SECTIONS
- 7-10 SITE A DESIGN SHEETS
- 11-14 SITE B DESIGN SHEETS
- 15-18 SITE C DESIGN SHEETS

**NOTES**

THE CONTRACTOR SHALL HAVE A CLASS "A" LICENSE FOR THIS PROJECT.  
 PROJECT PLANS AND SPECIAL PROVISIONS TO BE SUPPLEMENTED BY THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD PLANS, STANDARD SPECIFICATIONS, AND THE LATEST REVISED 2018 STANDARD SPECIFICATIONS (SEE APPLICABLE STAN PLAN LIST IN SPECIAL PROVISIONS)  
 ALDERPOINT ROAD PM 40.21-40.70 GEOTECH MEMORANDUM BY CRAWFORD & ASSOCIATES INC DATED MAY 21, 2021



**LOCATION MAP**  
SCALE: 1"=10± MILE



**SITE LOCATION MAP**

SCALE 1"=250'

**RECOMMENDED**

JEFFREY A. BALL  
RCE 70631, EXP. 6/30/2021



**APPROVED**

TONY R. SEGHELLI  
RCE 63714, EXP. 9/30/2022



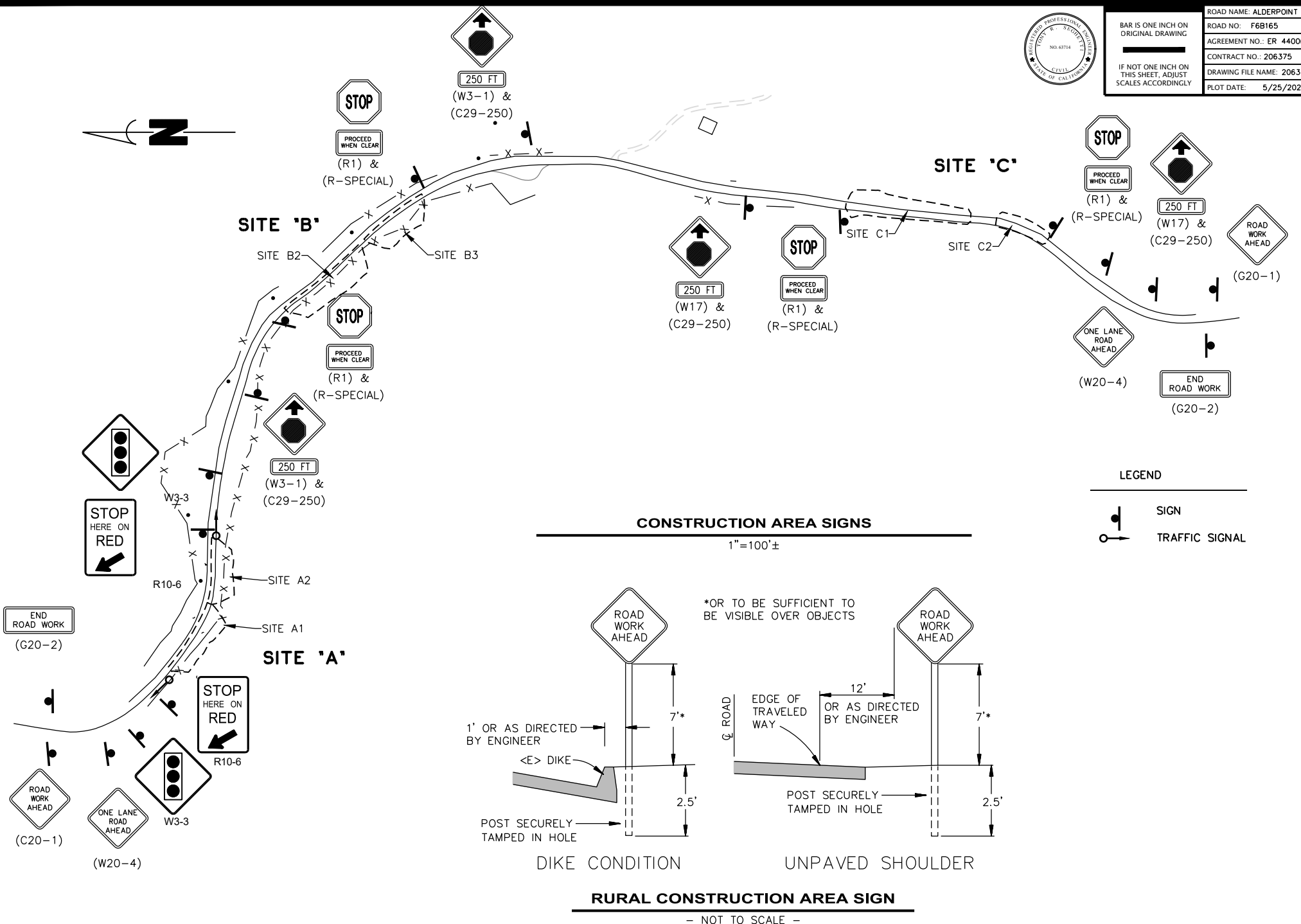
ORIGINAL LOW BID PRICE	CONSTRUCTED BY	RESIDENT ENGINEER
	PROJECT COMPLETED	CONSTRUCTION COST \$



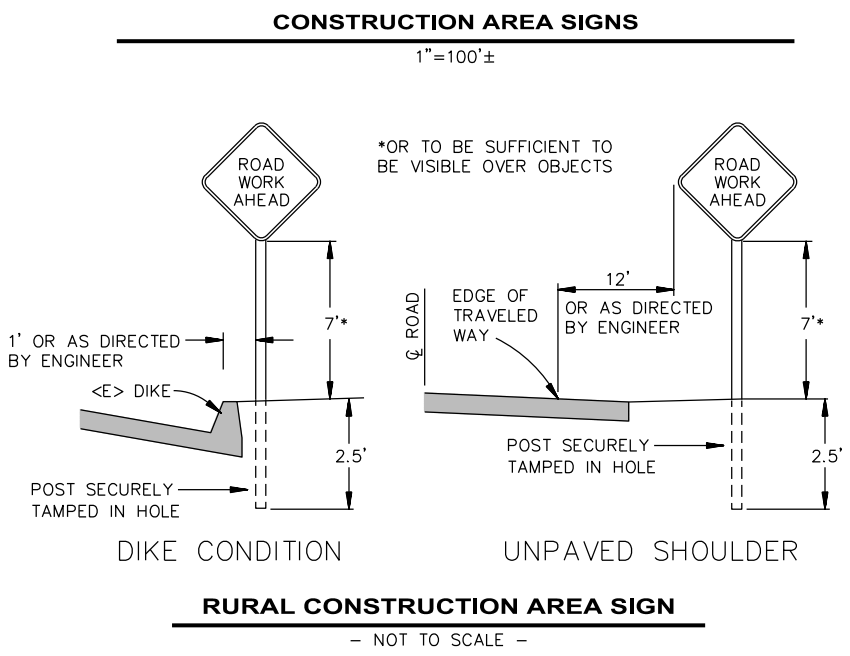
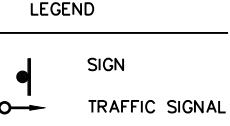
ROAD NAME: ALDERPOINT ROAD	DESIGN SECTION: ENGINEERING
ROAD NO.: F6B165	MILE POST: 40.21-40.70
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COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS	
STORM DAMAGE REPAIR TO ALDERPOINT ROAD PM 40.21-40.70	
<b>CONSTRUCTION AREA SIGNS AND QUANTITIES</b>	

SHEET  
**2**  
OF  
**18**



BID ITEM LIST				
ITEM NO.	ITEM CODE	ITEM DESCRIPTION	UNIT	TOTAL
1	120090	Construction Area Signs	EA	18
2	120100	Traffic Control System	LS	1
3	120202	Portable Signal System	LS	1
4	129000	Temporary Railing (Type K)	EA	131
5	130100	Job Site Management	LS	1
6	130300	Prepare Storm Water Pollution Prevention Plan	LS	1
7	130310	Rain Event Action Plan	EA	10
8	130320	Storm Water Sampling and Analysis Day	EA	3
9	130330	Storm Water Annual Report	EA	1
10	130610	Temporary Check Dam	LF	208
11	170103	Clearing and Grubbing (LS)	LS	1
12	190101	F Roadway Excavation	CY	21,600
13	190185	Shoulder Backing	CY	53
14	198050	F Embankment	CY	18,920
15	198250A	Geosynthetic Reinforcement (Uniaxial Geogrid)	SQYD	3,870
16	198250B	Geosynthetic Reinforcement (Biaxial Geogrid)	SQYD	290
17	210212	Dry Seed (SQFT)	SQFT	31,670
18	210280	Rolled Erosion Control Product (Blanket)	SQFT	31,670
19	210350	Fiber Rolls	LF	3,670
20	260203	F Class 2 Aggregate Base (CY)	CY	528
21	390132	Hot Mix Asphalt (Type A)	TON	535
22	641107	18" Plastic Pipe	LF	109
23	641113	24" Plastic Pipe	LF	111
24	680902	6" Perforated Plastic Pipe Underdrain	LF	545
25	680902A	6" Perforated Plastic Pipe	LF	933
26	680903	6" Non-Perforated Plastic Pipe Underdrain	LF	203
27	680903A	6" Non-Perforated Plastic Pipe	LF	630
28	682023	F Class 1 Permeable Material	CY	2,660
29	700639	36" Corrugated Steel Pipe Inlet (.109" Thick)	LF	15
30	700655	48" Corrugated Steel Pipe Inlet (.109" Thick)	LF	6
31	710130	Remove Culvert	EA	2
32	710180	Reconstruct Drainage Facility	EA	1
33	723070	Rock Slope Protection (150 lb, Class III, Method B)	CY	22
34	803175	Reset Fence	LF	1,425
35	840501	Thermoplastic Traffic Stripe	LF	1,425
36	999990	Mobilization	LS	1

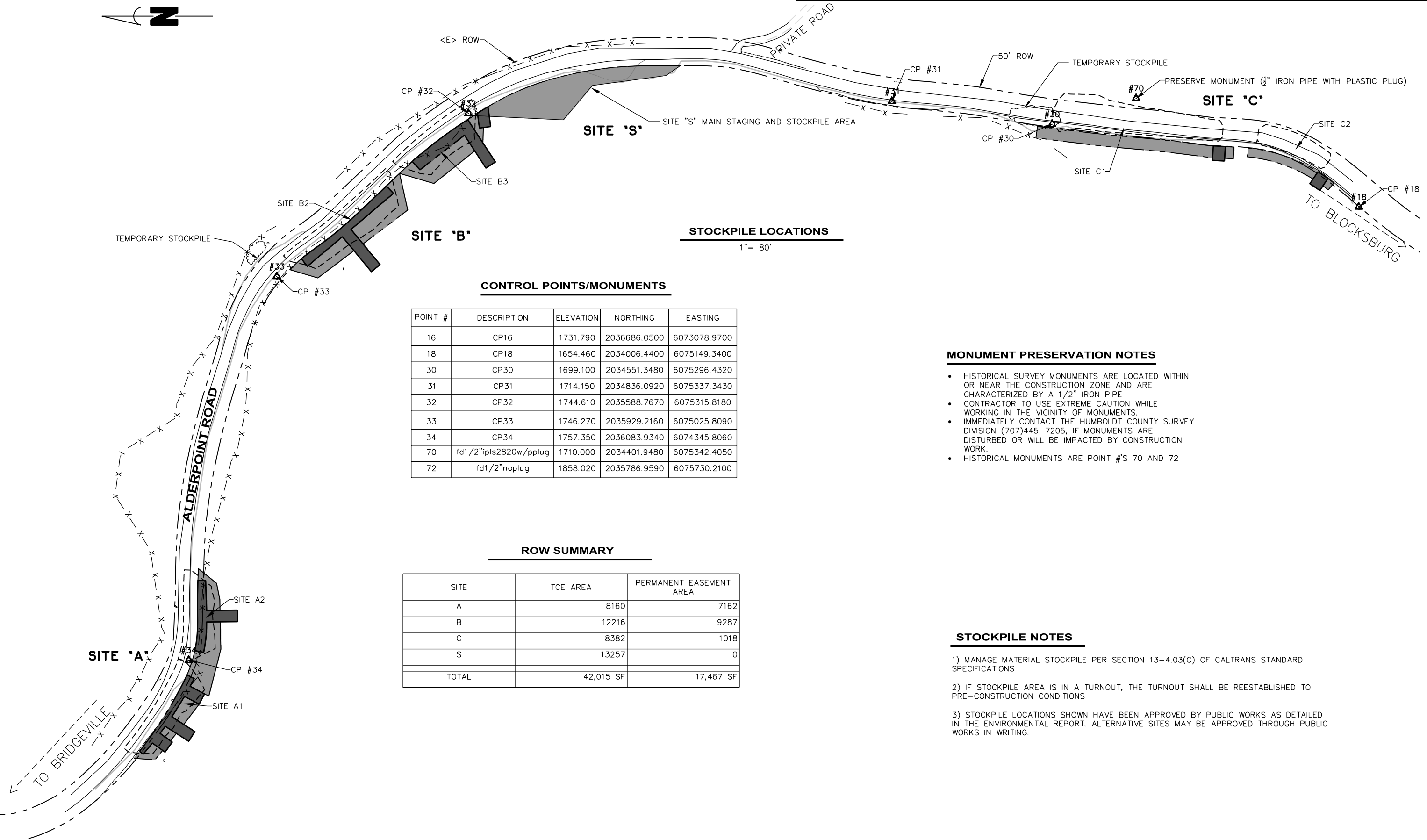


- NOTES**
- SIGNS SHALL BE PLACED AS SHOWN ON PLAN OR AS DIRECTED BY THE ENGINEER.
  - FINAL PLACEMENT OF SIGNS SHALL BE APPROVED BY RESIDENT ENGINEER.
  - ADDITIONAL PORTABLE SIGNS SHALL BE USED AS REQUIRED FOR OTHER ROADSIDE WORK.
  - SEE STANDARD PLAN T13 FOR TRAFFIC CONTROL SYSTEM.
  - IN ADDITION 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.
  - KEEP A MINIMUM OF 1 TRAFFIC LANE AT LEAST 10' WIDE OPEN FOR TRAFFIC, EXCEPT THE FULL WIDTH OF THE TRAVELED WAY MUST BE OPEN WHEN CONSTRUCTION OPERATIONS ARE NOT ACTIVE OR AN APPROVED TRAFFIC CONTROL PLAN IS IN PLACE.
  - MAINTAIN TRAFFIC ACCORDING TO SECTION 12-4 OF CALTRANS STANDARD SPECIFICATIONS

CONSTRUCTION AREA SIGN SUMMARY						
SIGN TYPE	QTY	DESCRIPTION	SIZE	REMARKS	POST SIZE	NUMBER
W20-1	2	ROAD WORK AHEAD	30" x 30"	VISIBLE AT ALL TIMES	4" x 4"	1
W3-1 & C29-250	4	STOP AHEAD	30" x 30" 20" x 7"	VISIBLE AT ALL TIMES	4 x 4	1
R1-1 R-SPECIAL	4	STOP PROCEED WHEN CLEAR	30" x 30" 30" x 15"	VISIBLE AT ALL TIMES LINE OF SIGHT	4 x 4	1
G20-2	2	END ROAD WORK	36" x 18"	VISIBLE AT ALL TIMES	4 x 4	1
R10-6	2	STOP HERE ON RED	24" x 36"	VISIBLE AT ALL TIMES	4 x 4	1
W3-3	2	SIGNAL WARNING	30" x 30"	VISIBLE AT ALL TIMES	4 x 4	1
W20-4	2	ONE LANE ROAD AHEAD	30" x 30"	VISIBLE AT ALL TIMES	4 x 4	1



ROAD NAME: ALDERPOINT ROAD		DESIGN SECTION	<b>COUNTY OF HUMBOLDT</b> <b>DEPARTMENT OF PUBLIC WORKS</b> <b>STORM DAMAGE REPAIR TO ALDERPOINT ROAD PM 40.21-40.70</b> <b>PROJECT SITES AND RIGHT-OF-WAY</b>	SHEET <b>3</b> OF <b>18</b>
ROAD NO: F6B165	MILE POST: 40.21-40.70	ENGINEERING		
AGREEMENT NO.: ER 4400(046)		DESIGNED BY: MMS		
CONTRACT NO.: 206375		DRAWN BY: MMS		
DRAWING FILE NAME: 206375R ALDERPOINT 40.21-40.70		REVIEWED BY: JAB		
PLOT DATE: 5/25/2021		APPROVED BY: TRS		



**STOCKPILE LOCATIONS**  
1" = 80'

**CONTROL POINTS/MONUMENTS**

POINT #	DESCRIPTION	ELEVATION	NORTHING	EASTING
16	CP16	1731.790	2036686.0500	6073078.9700
18	CP18	1654.460	2034006.4400	6075149.3400
30	CP30	1699.100	2034551.3480	6075296.4320
31	CP31	1714.150	2034836.0920	6075337.3430
32	CP32	1744.610	2035588.7670	6075315.8180
33	CP33	1746.270	2035929.2160	6075025.8090
34	CP34	1757.350	2036083.9340	6074345.8060
70	fd1/2"ipls2820w/pplug	1710.000	2034401.9480	6075342.4050
72	fd1/2"noplug	1858.020	2035786.9590	6075730.2100

**MONUMENT PRESERVATION NOTES**

- HISTORICAL SURVEY MONUMENTS ARE LOCATED WITHIN OR NEAR THE CONSTRUCTION ZONE AND ARE CHARACTERIZED BY A 1/2" IRON PIPE
- CONTRACTOR TO USE EXTREME CAUTION WHILE WORKING IN THE VICINITY OF MONUMENTS.
- IMMEDIATELY CONTACT THE HUMBOLDT COUNTY SURVEY DIVISION (707)445-7205, IF MONUMENTS ARE DISTURBED OR WILL BE IMPACTED BY CONSTRUCTION WORK.
- HISTORICAL MONUMENTS ARE POINT #'S 70 AND 72

**ROW SUMMARY**

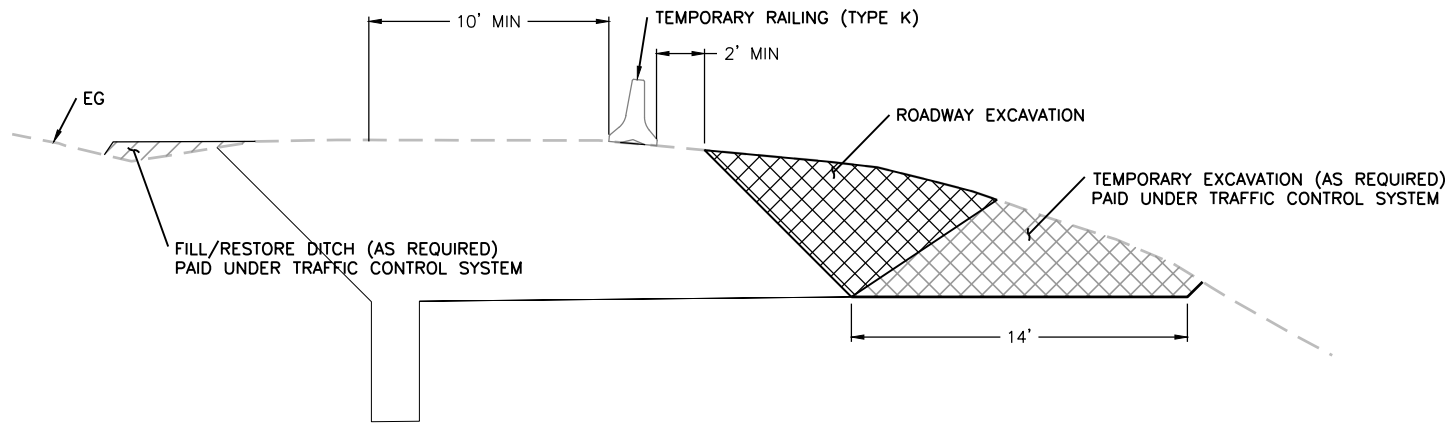
SITE	TCE AREA	PERMANENT EASEMENT AREA
A	8160	7162
B	12216	9287
C	8382	1018
S	13257	0
TOTAL	42,015 SF	17,467 SF

**STOCKPILE NOTES**

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



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	ROAD NO.: F6B165	MILE POST: 40.21-40.70		
	AGREEMENT NO.: ER 4400(046)		STORM DAMAGE REPAIR TO ALDERPOINT ROAD PM 40.21-40.70	
	CONTRACT NO.: 206375		CONSTRUCTION PHASING	
	DRAWING FILE NAME: 206375R ALDERPOINT 40.21-40.70			
	PLOT DATE: 5/25/2021			

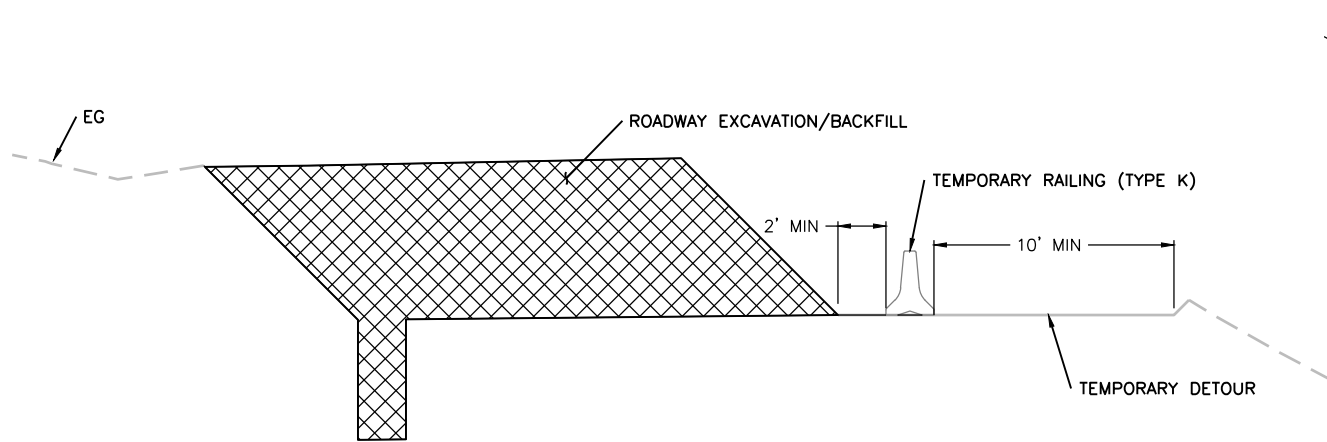


**PHASE 1 - REINFORCED ROADWAY TRAFFIC PHASE**

SCALE: 1"=4'

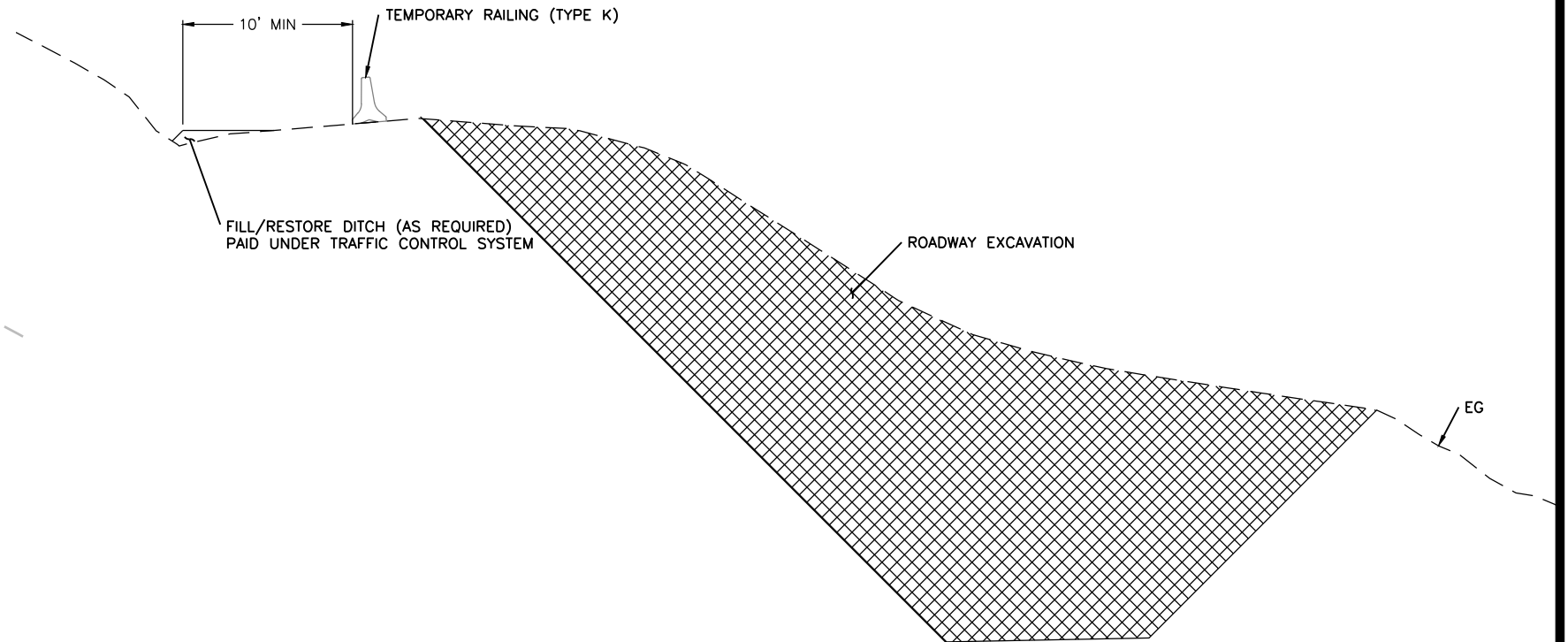
**NOTES:**

1. THE 3-PHASED REINFORCED ROADWAY TRAFFIC PHASE APPLIES TO SITES C1 AND C2.
2. THE RECONSTRUCTED EMBANKMENT TRAFFIC PHASE APPLIES TO SITES A1, A2, B2, AND B3.
3. THIS SHEET PRESENTS ONE POTENTIAL APPROACH TO TRAFFIC PHASING. THE CONTRACTOR MAY PROPOSE OTHER TRAFFIC PHASING SUBJECT TO COUNTY APPROVAL.
4. CONTRACTOR SHALL PROVIDE AND MAINTAIN A MINIMUM OF ONE OPEN TRAFFIC LAND THROUGH OR AROUND THE WORK AREA AT ALL TIMES. TRAFFIC LAND SHALL BE AT LEAST 10 FEET WIDE, AND SHALL HAVE A SLOPE IN THE DIRECTION OF TRAVEL OF NO MORE THAN 15%. LAND SURFACE SHALL BE FIRM AND SMOOTH, AND FREE OF HOLES AND RUTS SO AS NOT TO IMPEDE TRAFFIC
5. ALL WORK ASSOCIATED WITH CONSTRUCTING, MAINTAINING, AND RESTORING THE DETOUR IS PAID UNDER THE "TRAFFIC CONTROL SYSTEM" BID ITEM.



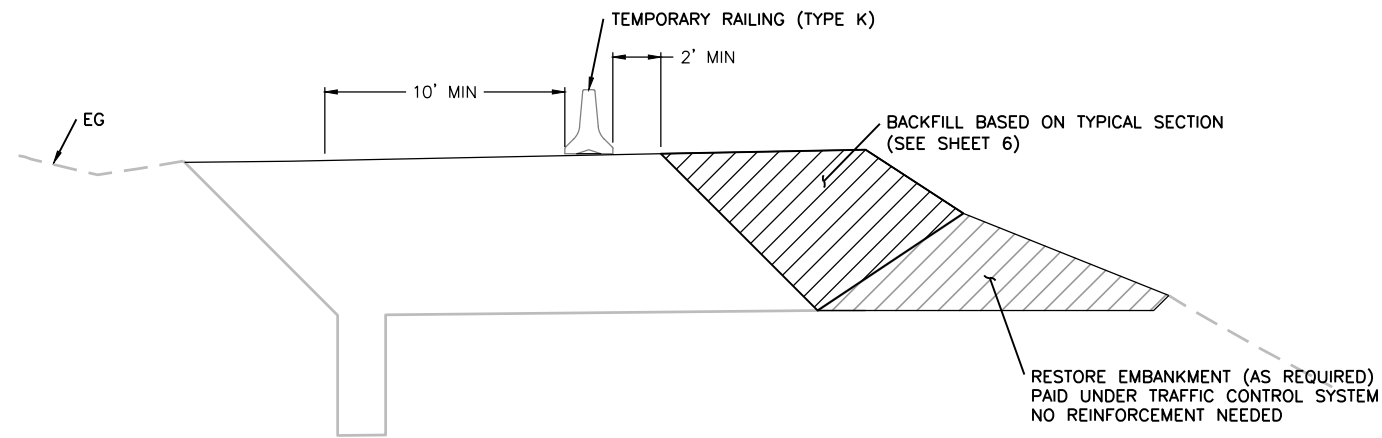
**PHASE 2 - REINFORCED ROADWAY TRAFFIC PHASE**

SCALE: 1"=4'



**RECONSTRUCTED EMBANKMENT TRAFFIC PHASE**

SCALE: 1"=5'



**PHASE 3 - REINFORCED ROADWAY TRAFFIC PHASE**

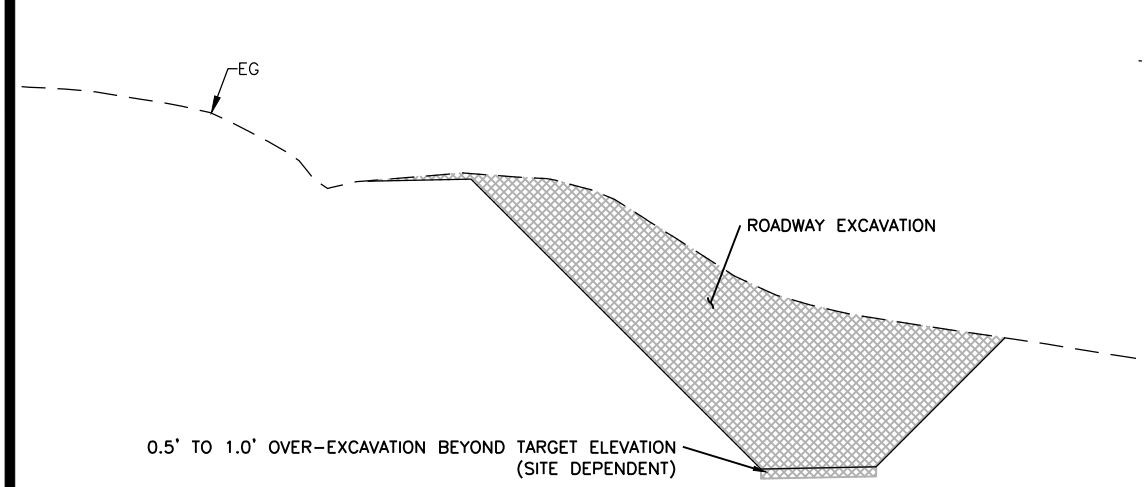
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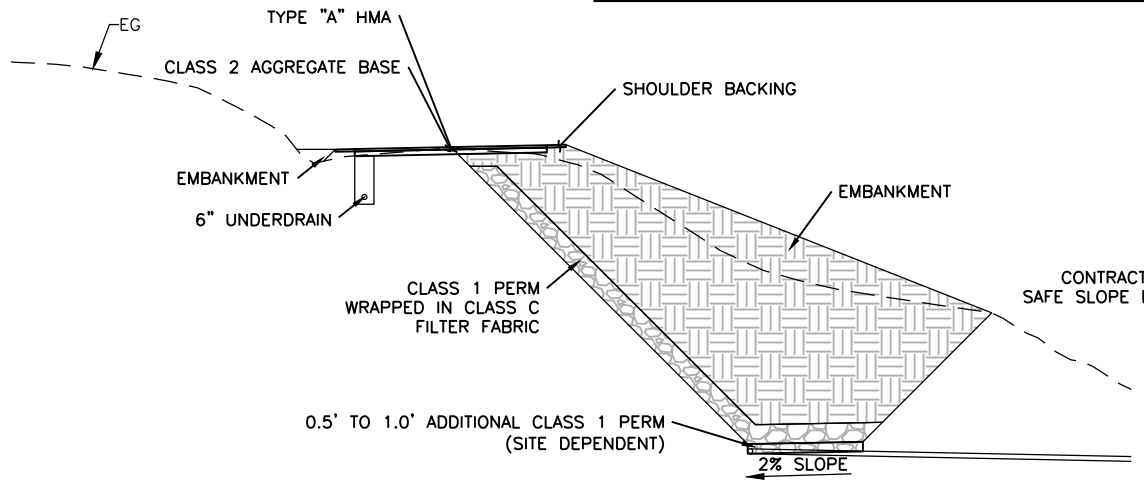
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<b>COUNTY OF HUMBOLDT</b> <b>DEPARTMENT OF PUBLIC WORKS</b> <b>STORM DAMAGE REPAIR TO ALDERPOINT ROAD PM 40.21-40.70</b> <b>RECONSTRUCTED EMBANKMENT</b> <b>TYPICAL SECTIONS</b>
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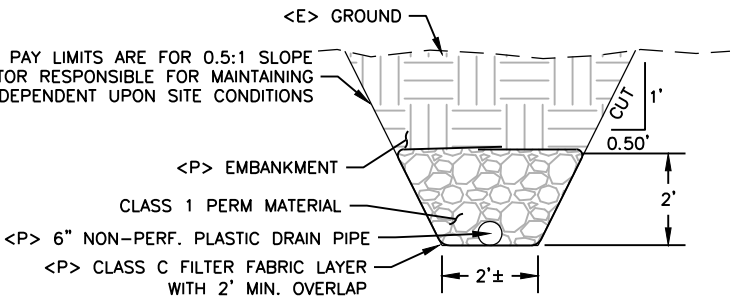
SHEET  
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**18**



**EXCAVATION LIMITS**  
SCALE: 1"=10'



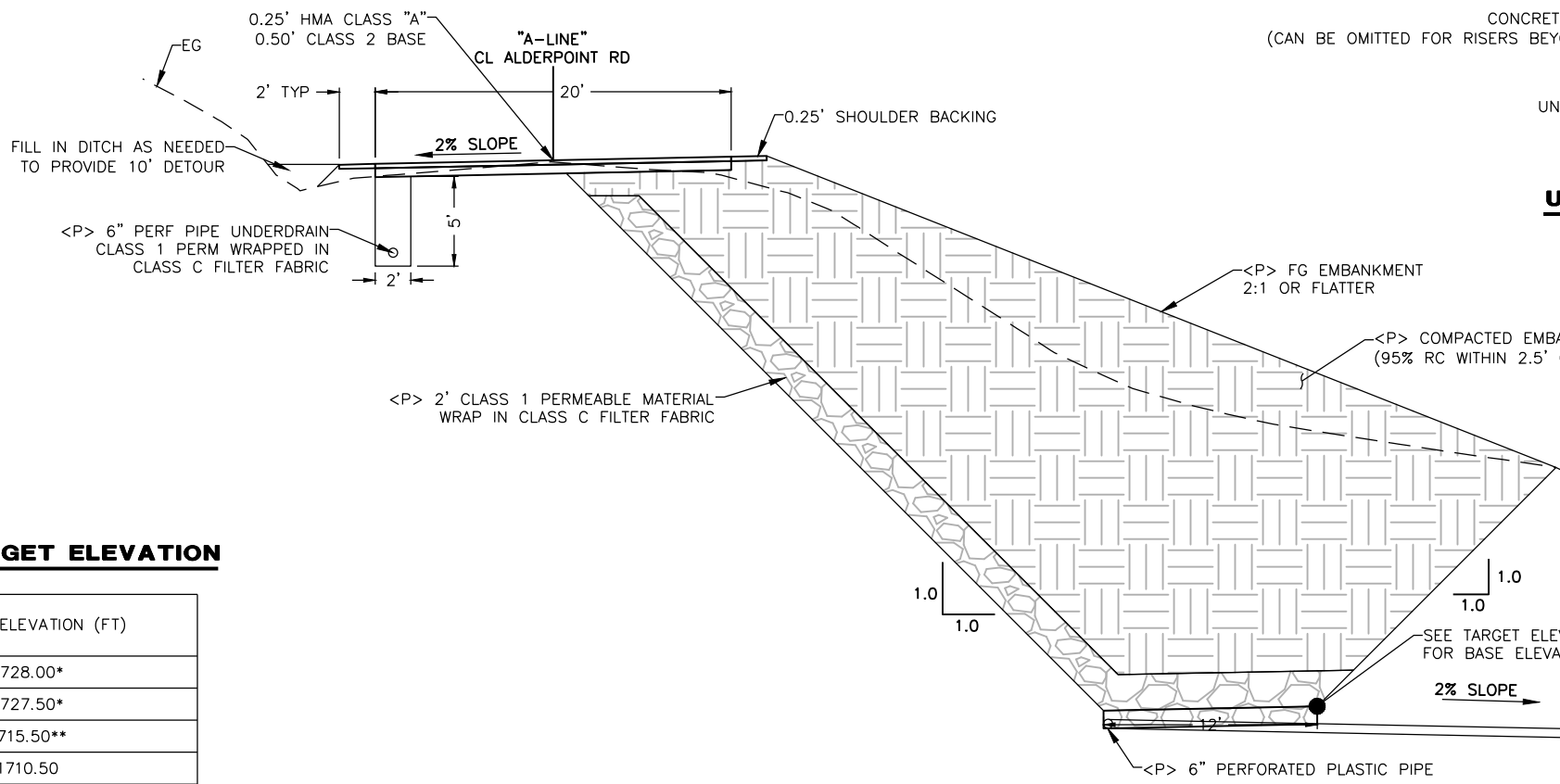
**RECONSTRUCTED EMBANKMENT**  
SCALE: 1"=10'



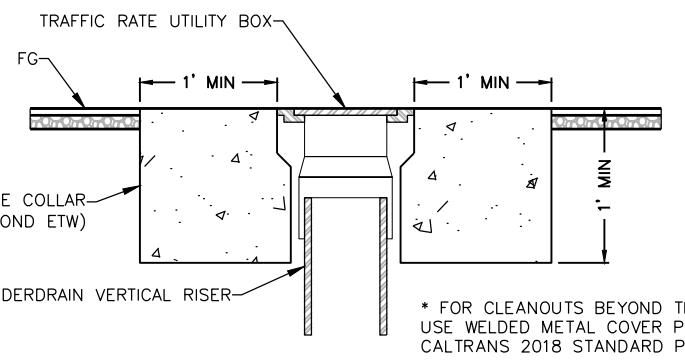
**TYP. 6\"/>**

**NOTES**

1. RECONSTRUCTED EMBANKMENTS WILL BE BUILT FOR SITES A1, A2, B2, AND B3.
2. THE EXCAVATION, BACKFILL, FILTER FABRIC, PERMEABLE MATERIAL, AND PLASTIC PIPE QUANTITIES FOR THE SUBDRAINAGE AT THE EMBANKMENT BASE AND THE RESPECTIVE OUTLETS ARE ALL PAID SEPARATELY UNDER THEIR RESPECTIVE BID ITEMS.
3. THE EXCAVATION, BACKFILL, FILTER FABRIC, PERMEABLE MATERIAL, AND PLASTIC PIPE QUANTITIES FOR THE UNDERDRAIN ALONG THE INBOARD SHOULDER AND THE RESPECTIVE OUTLET ARE ALL PAID UNDER BID ITEMS "6\"/>



**RECONSTRUCTED EMBANKMENT TYPICAL SECTION**  
SCALE: 1"=5'



**UNDERDRAIN RISER COVER AND COLLAR DETAIL**  
NTS

\* FOR CLEANOUTS BEYOND THE ETW, USE WELDED METAL COVER PER CALTRANS 2018 STANDARD PLAN D102

**RECONSTRUCTED EMBANKMENT TARGET ELEVATION**

SITE	TARGET ELEVATION (FT)
A1	1728.00*
A2	1727.50*
B2	1715.50**
B3	1710.50

**NOTES**

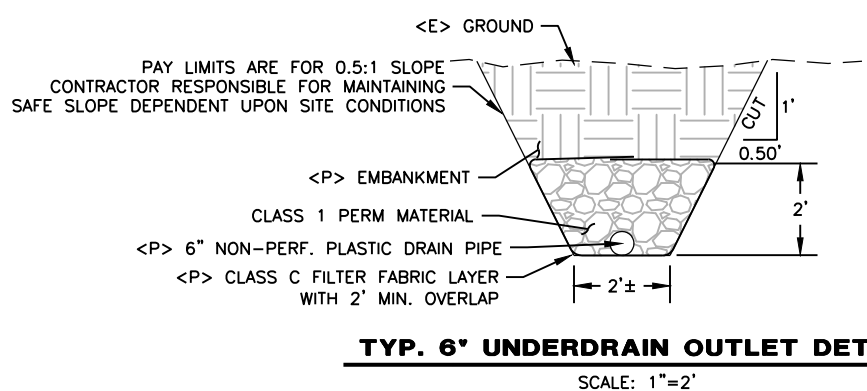
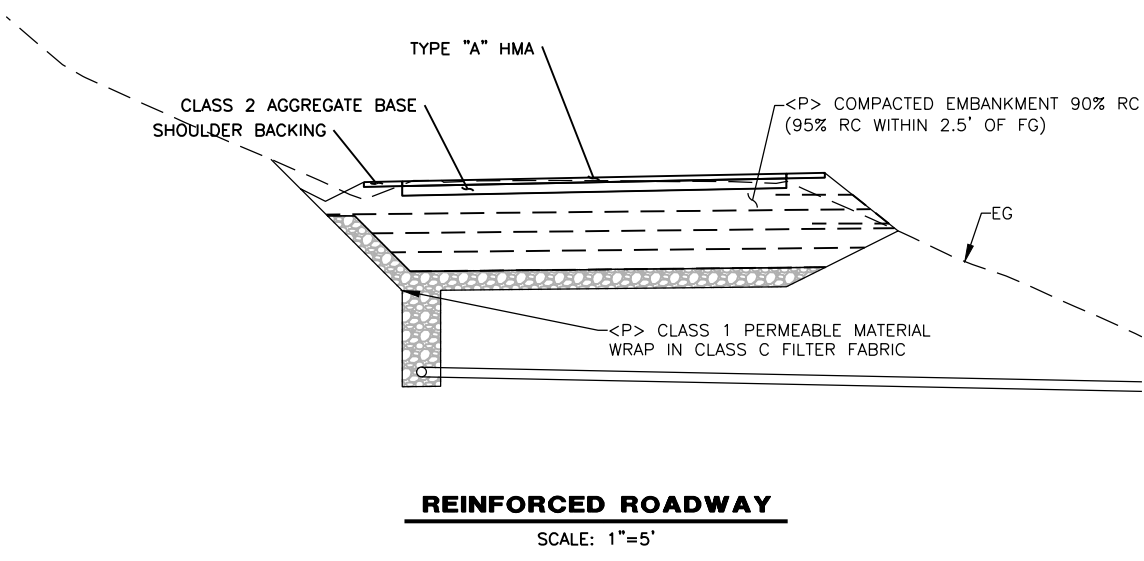
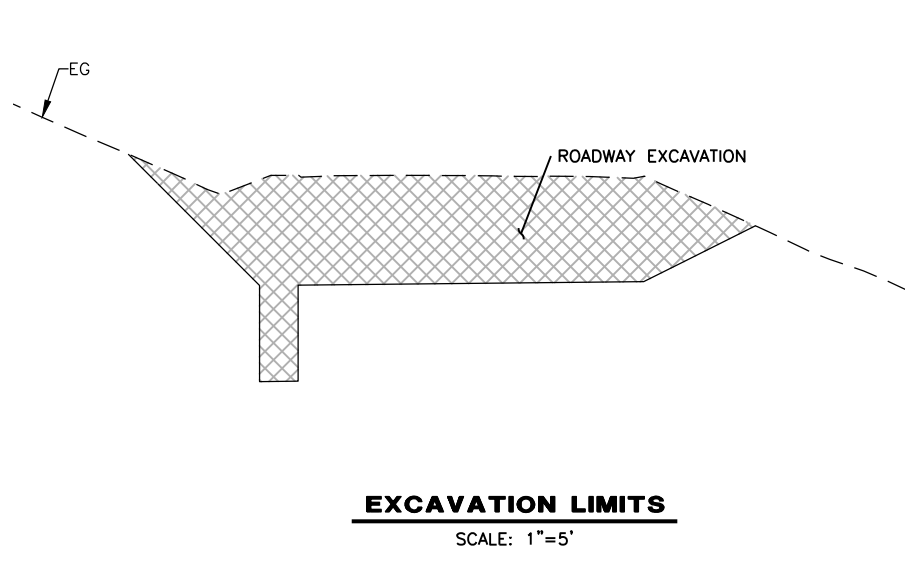
- \* OVER-EXCAVATE 1' DEEPER THAN TARGET ELEVATION (1727.00', 1726.50')
- \*\* OVER-EXCAVATE 0.5' DEEPER THAN TARGET ELEVATION (1715.00')



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COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS <b>STORM DAMAGE REPAIR TO ALDERPOINT ROAD PM 40.21-40.70</b> <b>REINFORCED ROAD TYPICAL SECTIONS</b>
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**18**

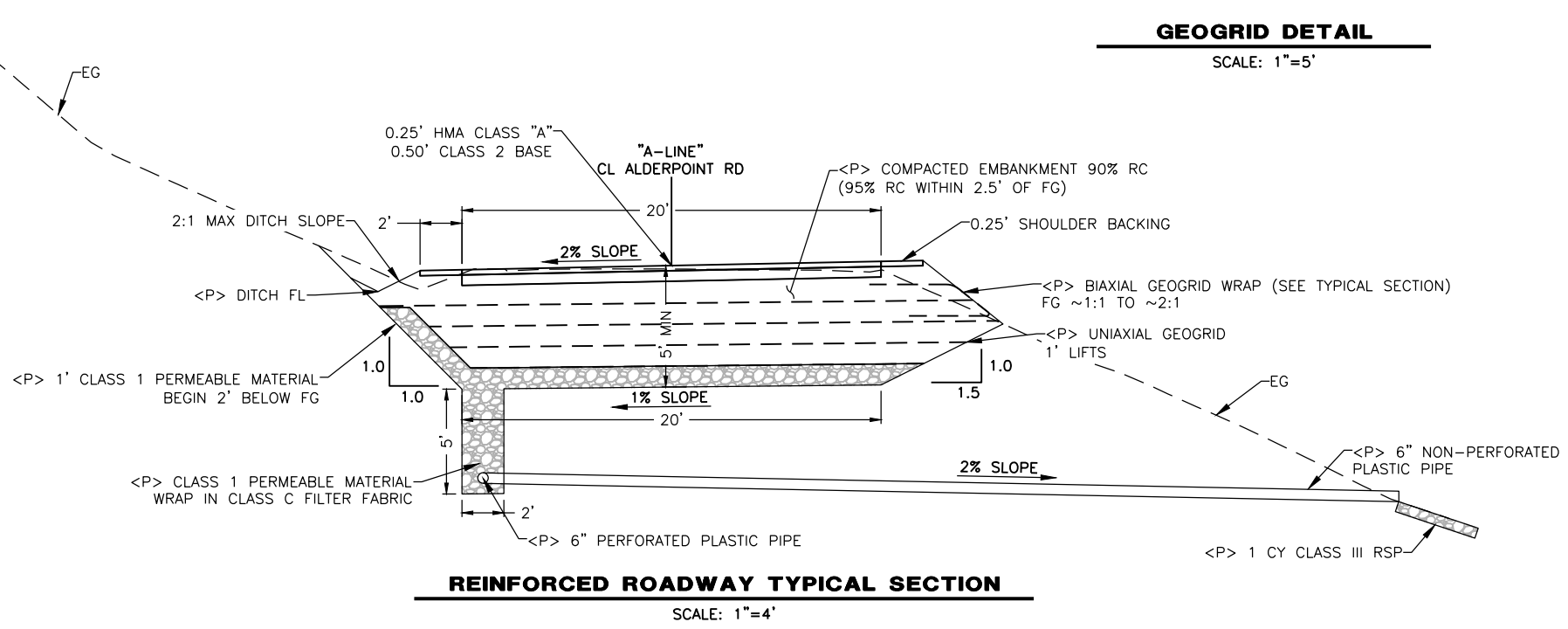
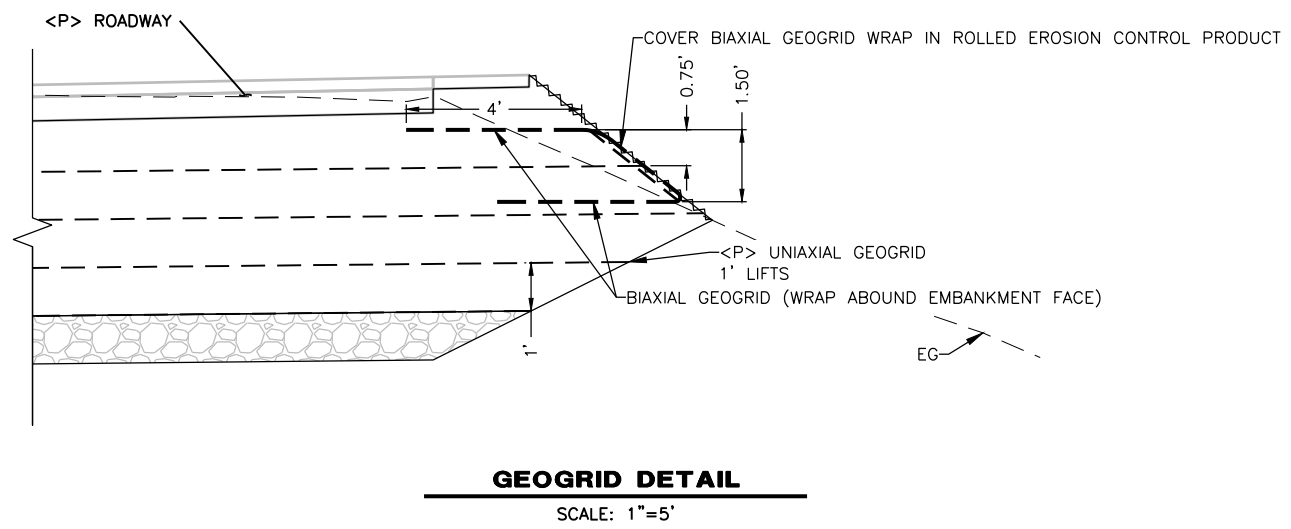


**REINFORCED ROADWAY EXCAVATION**

1. REINFORCED ROADWAYS WILL BE BUILT FOR SITES C1 AND C2.
2. THE EXCAVATION, BACKFILL, FILTER FABRIC, PERMEABLE MATERIAL, AND PLASTIC PIPE QUANTITIES FOR THE SUBDRAINAGE AT THE EMBANKMENT BASE AND THE RESPECTIVE OUTLETS ARE ALL PAID SEPARATELY UNDER THEIR RESPECTIVE BID ITEMS.
3. THE EXCAVATION, BACKFILL, FILTER FABRIC, PERMEABLE MATERIAL, AND PLASTIC PIPE QUANTITIES FOR THE UNDERDRAIN ALONG THE INBOARD SHOULDER AND THE RESPECTIVE OUTLET ARE ALL PAID UNDER BID ITEMS "6" PERFORATED PLASTIC PIPE UNDERDRAIN" AND "6" NON-PERFORATED PLASTIC PIPE UNDERDRAIN."
4. MAINTAIN MINIMUM SLOPE OF 1% FOR ALL DRAINS AND DITCHES
5. DETOUR EXCAVATION IS PAID UNDER BID ITEM "TRAFFIC CONTROL SYSTEM."
6. EXCAVATED NATIVE MATERIAL CAN BE USED AS COMPACTED EMBANKMENT IF THE NATIVE MATERIAL MEETS CALTRANS STANDARDS FOR USE AS GEOSYNTHETIC REINFORCED EMBANKMENT PER SECTION 19-6.02B OF THE 2018 CALTRANS STANDARD SPECIFICATIONS.

**BIAXIAL NOTES**

1. INCLUDE BIAXIAL GEOGRID WRAP FROM STATIONS 32+00 TO 34+40 AND 35+40 TO 36+10.
2. BIAXIAL GEOGRID WRAP IS ALWAYS VERTICALLY CENTERED ON THE FOURTH LAYER OF UNIAXIAL GEOGRID AND ALWAYS EXTENDS A MINIMUM OF 4' INTO THE EMBANKMENT

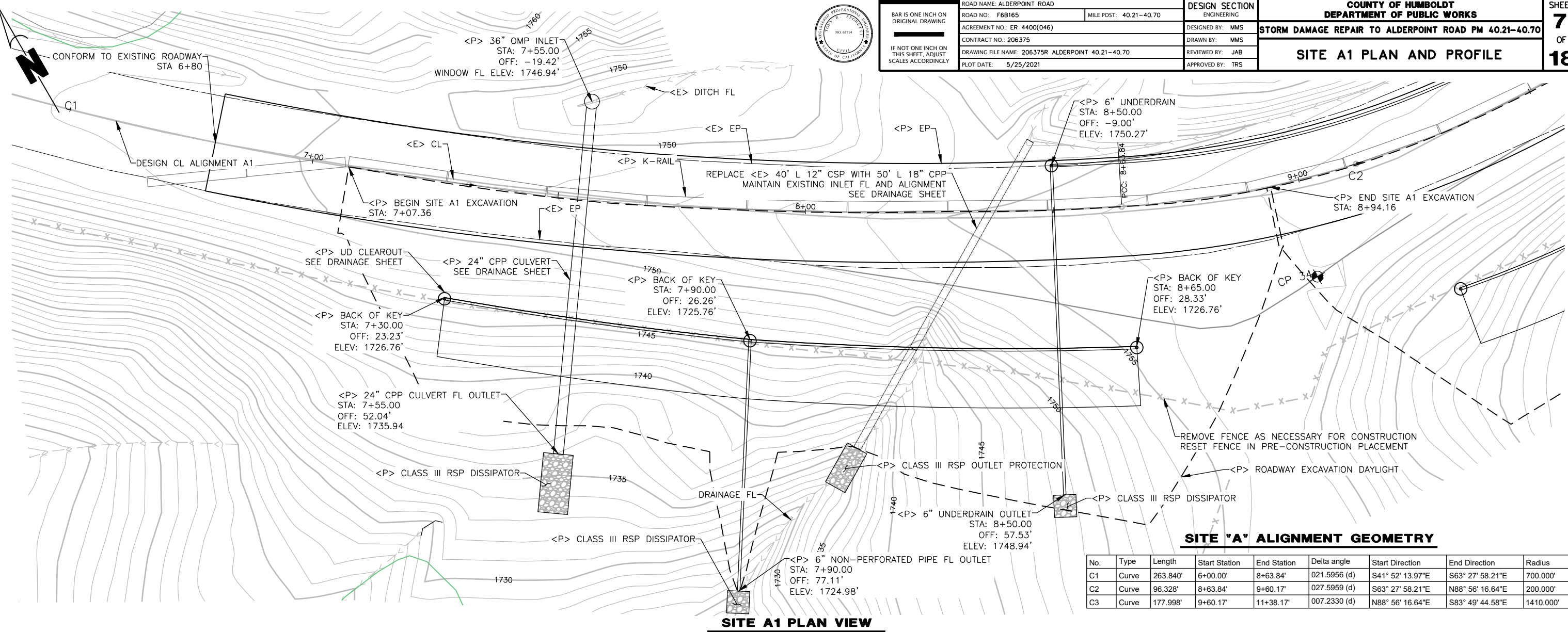




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<b>COUNTY OF HUMBOLDT</b> <b>DEPARTMENT OF PUBLIC WORKS</b> <b>STORM DAMAGE REPAIR TO ALDERPOINT ROAD PM 40.21-40.70</b>
<b>SITE A1 PLAN AND PROFILE</b>

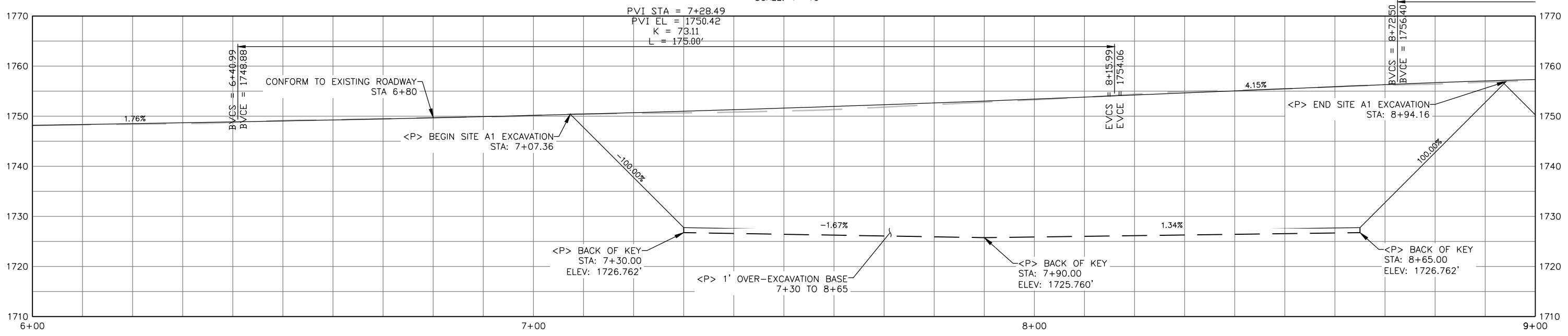
SHEET  
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**SITE 'A' ALIGNMENT GEOMETRY**

No.	Type	Length	Start Station	End Station	Delta angle	Start Direction	End Direction	Radius
C1	Curve	263.840'	6+00.00'	8+63.84'	021.5956 (d)	S41° 52' 13.97"E	S63° 27' 58.21"E	700.000'
C2	Curve	96.328'	8+63.84'	9+60.17'	027.5959 (d)	S63° 27' 58.21"E	N88° 56' 16.64"E	200.000'
C3	Curve	177.998'	9+60.17'	11+38.17'	007.2330 (d)	N88° 56' 16.64"E	S83° 49' 44.58"E	1410.000'

**SITE A1 PLAN VIEW**  
SCALE: 1"=10'



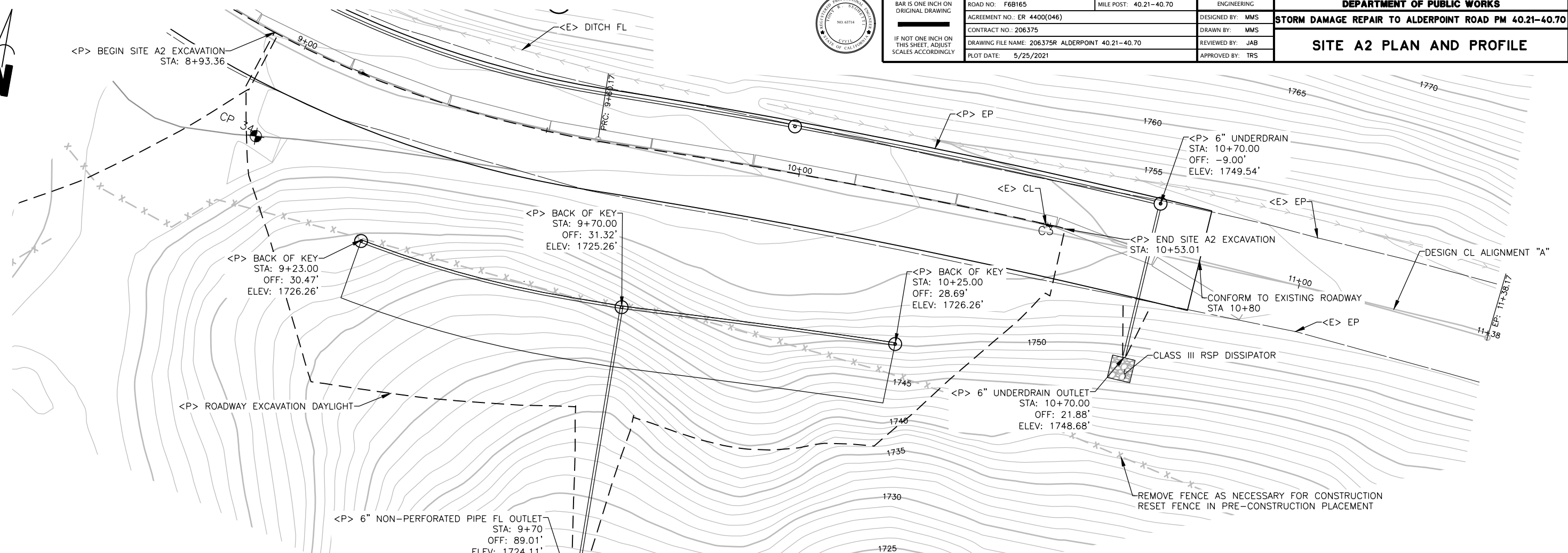
**SITE A1 PROFILE VIEW**  
SCALE: 1"=10'



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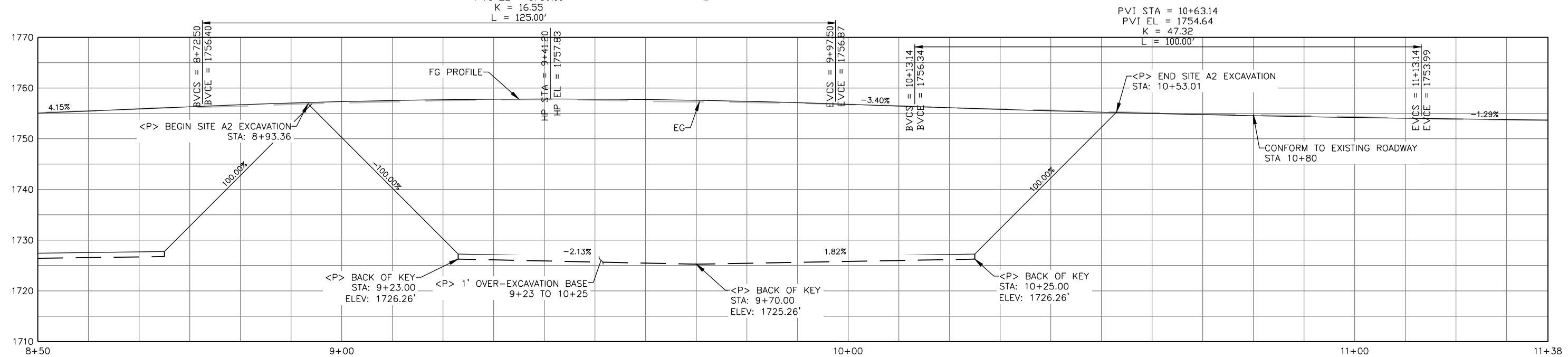
COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
STORM DAMAGE REPAIR TO ALDERPOINT ROAD PM 40.21-40.70
<b>SITE A2 PLAN AND PROFILE</b>

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OF  
**18**



**SITE A2 PLAN VIEW**

SCALE: 1"=10'



**SITE A2 PROFILE VIEW**

SCALE: 1"=10'

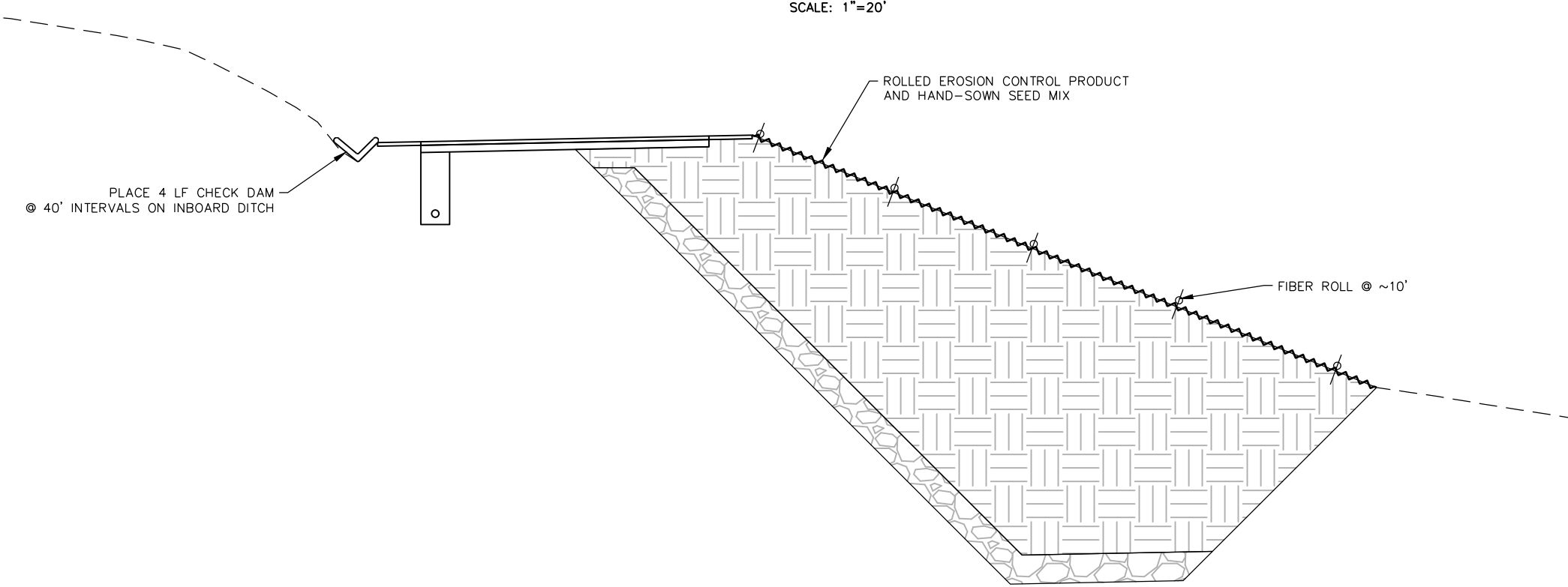
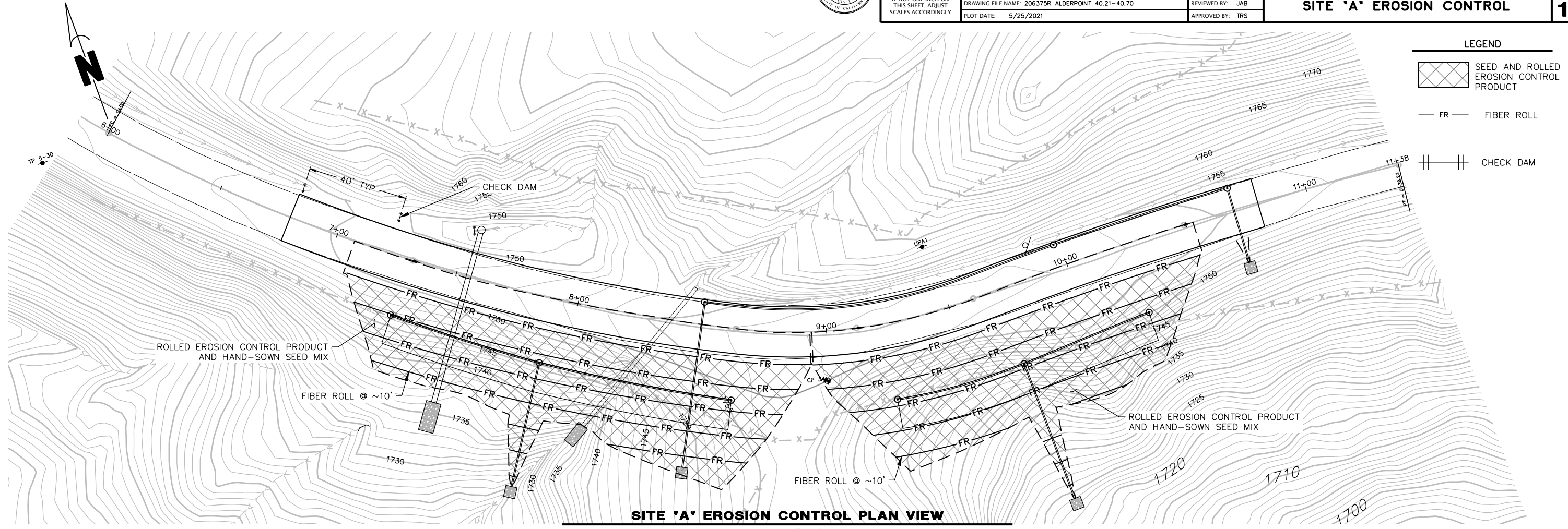




BAR IS ONE INCH ON ORIGINAL DRAWING	ROAD NAME: ALDERPOINT ROAD	DESIGN SECTION
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NO.: F6B165	ENGINEERING
	AGREEMENT NO.: ER 4400(046)	DESIGNED BY: MMS
	CONTRACT NO.: 206375	DRAWN BY: MMS
	DRAWING FILE NAME: 206375R ALDERPOINT 40.21-40.70	REVIEWED BY: JAB
	PLOT DATE: 5/25/2021	APPROVED BY: TRS

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
STORM DAMAGE REPAIR TO ALDERPOINT ROAD PM 40.21-40.70
<b>SITE 'A' EROSION CONTROL</b>

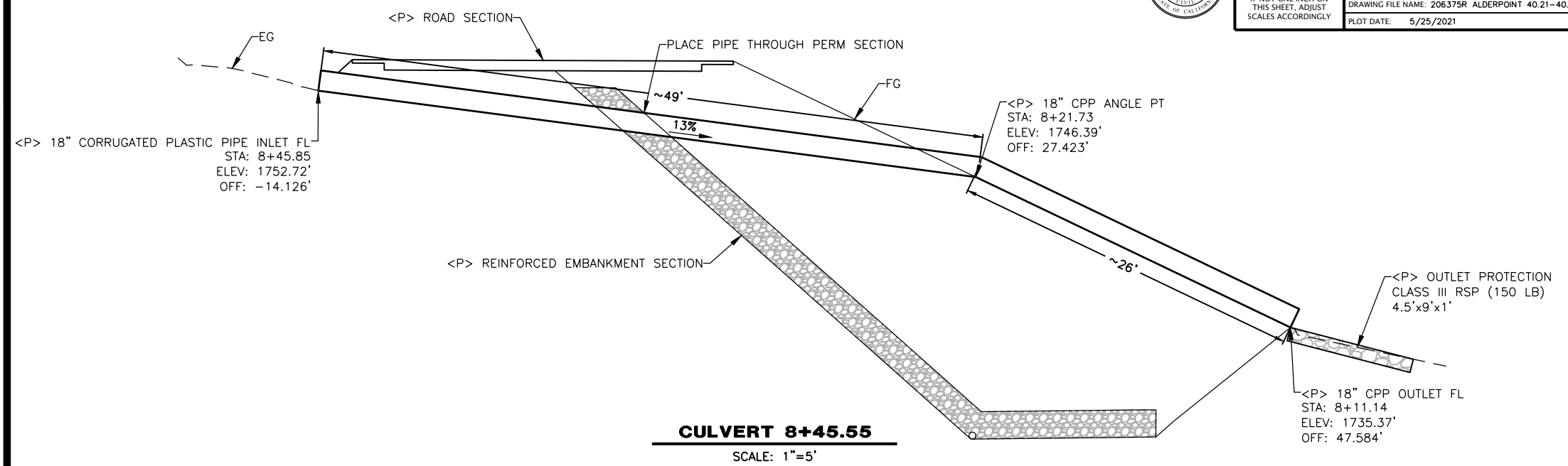
SHEET  
**9**  
OF  
**18**





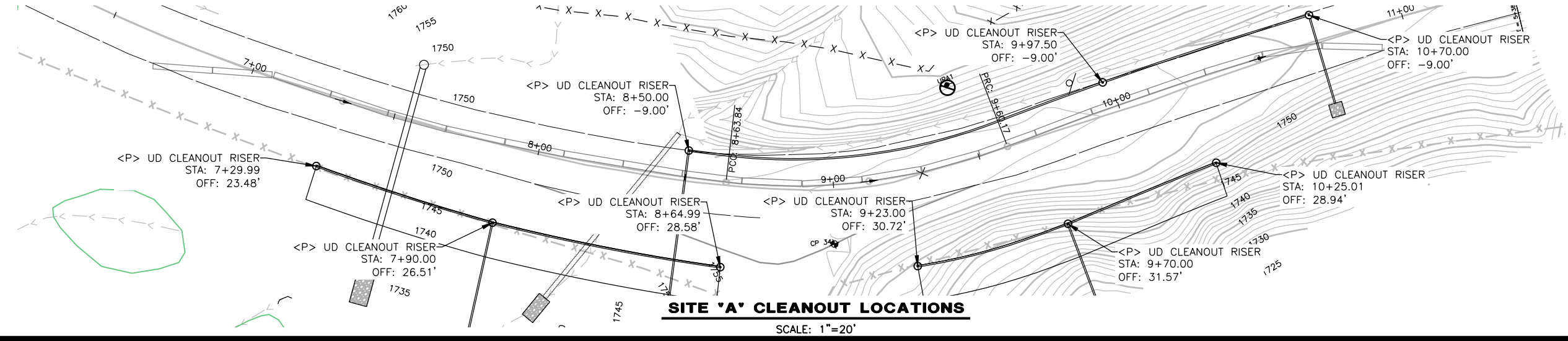
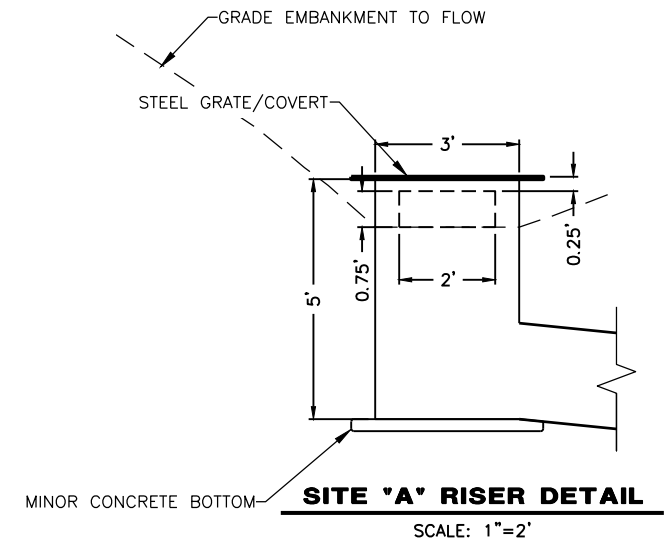
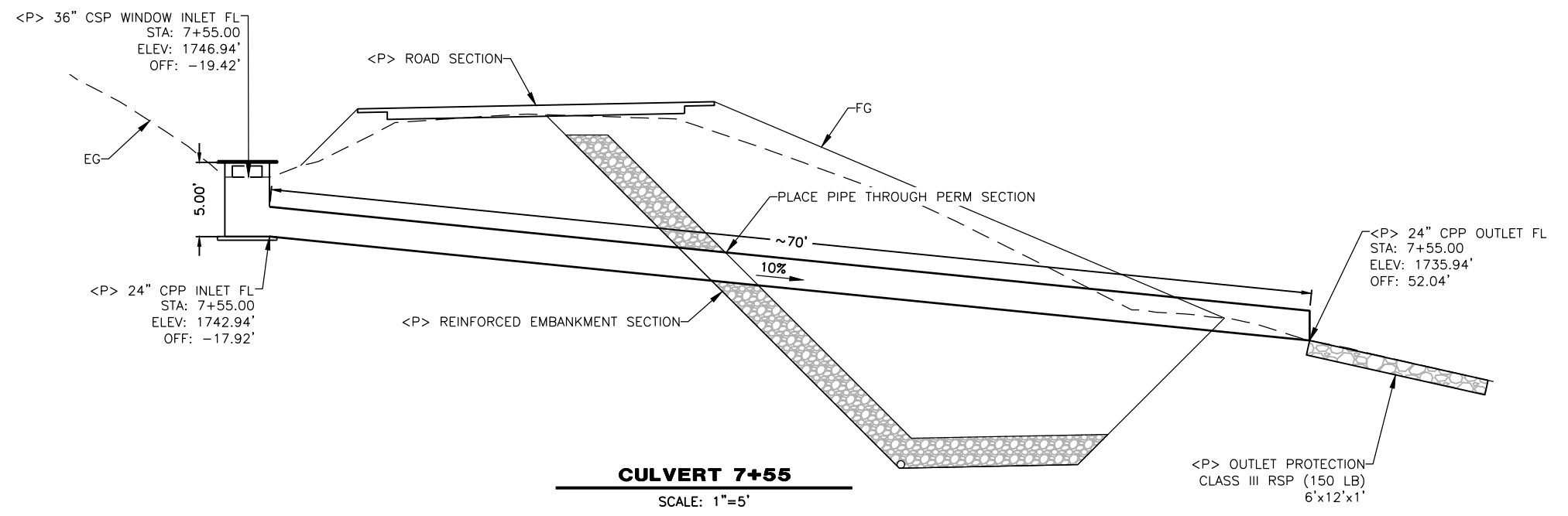
ROAD NAME: ALDERPOINT ROAD	DESIGN SECTION
ROAD NO.: F6B165	ENGINEERING
AGREEMENT NO.: ER 4400(046)	DESIGNED BY: MMS
CONTRACT NO.: 206375	DRAWN BY: MMS
DRAWING FILE NAME: 206375R ALDERPOINT 40.21-40.70	REVIEWED BY: JAB
PLOT DATE: 5/25/2021	APPROVED BY: TRS

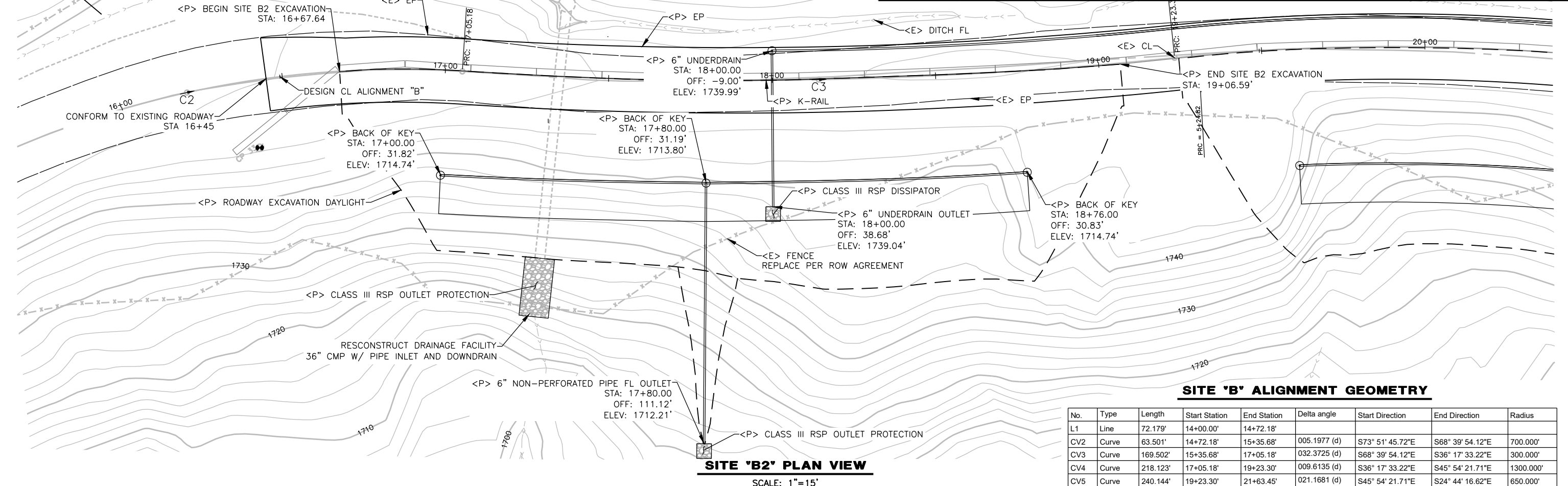
COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS STORM DAMAGE REPAIR TO ALDERPOINT ROAD PM 40.21-40.70	SHEET <b>10</b> OF <b>18</b>
<b>SITE 'A' DRAINAGE DETAILS</b>	



**NOTES**

1. CONSTRUCT PER CALTRANS STANDARD PLAN DETAIL D75A FOR STEEL PIPE INLET.
2. INSTALL CULVERTS PER CALTRANS STANDARD PLAN DETAIL A62F FOR METAL AND PLASTIC PIPES.
3. RSP QUANTITIES INCLUDE THE COST OF RSP FABRIC IF NECESSARY
4. CONSTRUCT DOWNDRAIN ANCHORS AS NECESSARY PER CALTRANS STANDARD PLAN DETAIL D87B. DOWNDRAIN ANCHOR ASSEMBLY IS PAID UNDER THE RESPECTIVE LINEAL FOOT OF PIPE BID ITEM

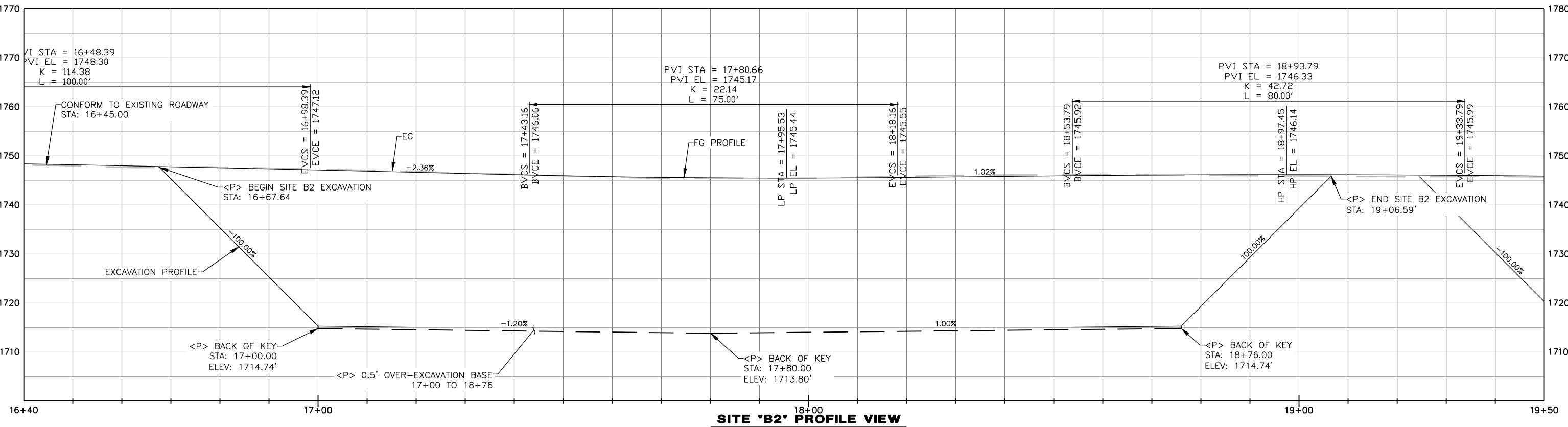




**SITE 'B' ALIGNMENT GEOMETRY**

No.	Type	Length	Start Station	End Station	Delta angle	Start Direction	End Direction	Radius
L1	Line	72.179'	14+00.00'	14+72.18'	005.1977 (d)	S73° 51' 45.72"E	S68° 39' 54.12"E	700.000'
CV2	Curve	63.501'	14+72.18'	15+35.68'	032.3725 (d)	S68° 39' 54.12"E	S36° 17' 33.22"E	300.000'
CV3	Curve	169.502'	15+35.68'	17+05.18'	009.6135 (d)	S36° 17' 33.22"E	S45° 54' 21.71"E	1300.000'
CV4	Curve	218.123'	17+05.18'	19+23.30'	021.1681 (d)	S45° 54' 21.71"E	S24° 44' 16.62"E	650.000'
CV5	Curve	240.144'	19+23.30'	21+63.45'				

**SITE 'B2' PLAN VIEW**  
SCALE: 1"=15'



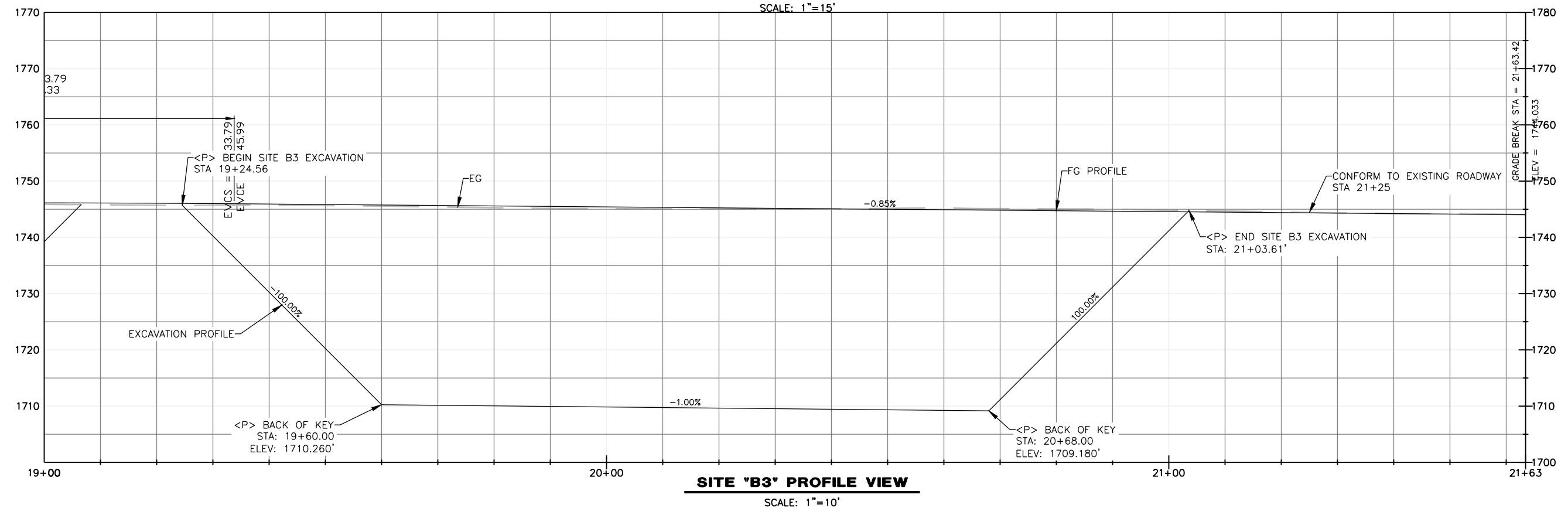
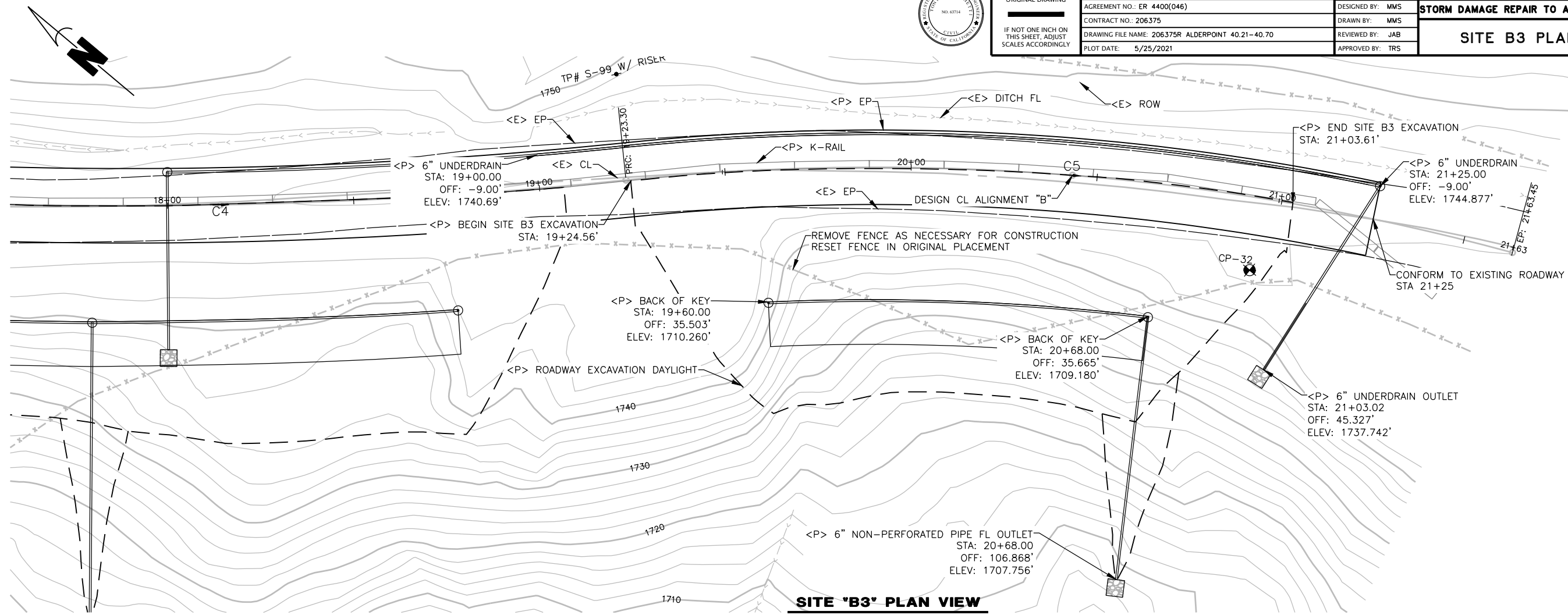
**SITE 'B2' PROFILE VIEW**  
SCALE: 1"=10'



ROAD NAME: ALDERPOINT ROAD	DESIGN SECTION
ROAD NO.: F6B165	ENGINEERING
AGREEMENT NO.: ER 4400(046)	DESIGNED BY: MMS
CONTRACT NO.: 206375	DRAWN BY: MMS
DRAWING FILE NAME: 206375R ALDERPOINT 40.21-40.70	REVIEWED BY: JAB
PLOT DATE: 5/25/2021	APPROVED BY: TRS

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
STORM DAMAGE REPAIR TO ALDERPOINT ROAD PM 40.21-40.70
SITE B3 PLAN AND PROFILE

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OF  
**18**

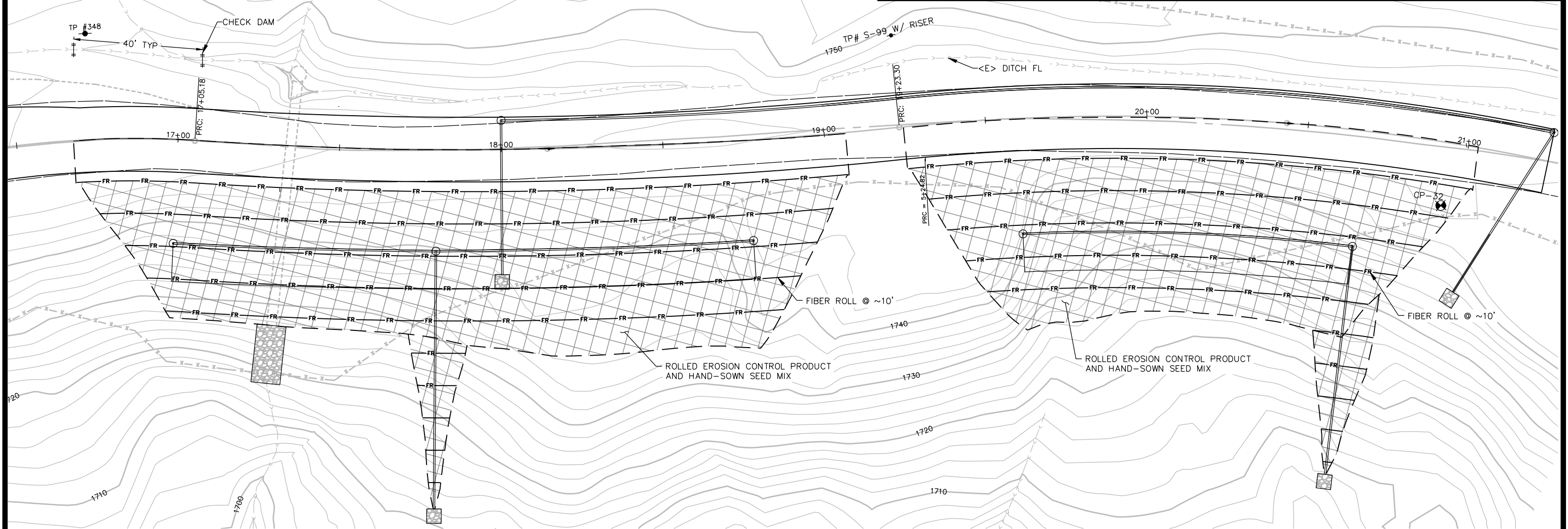




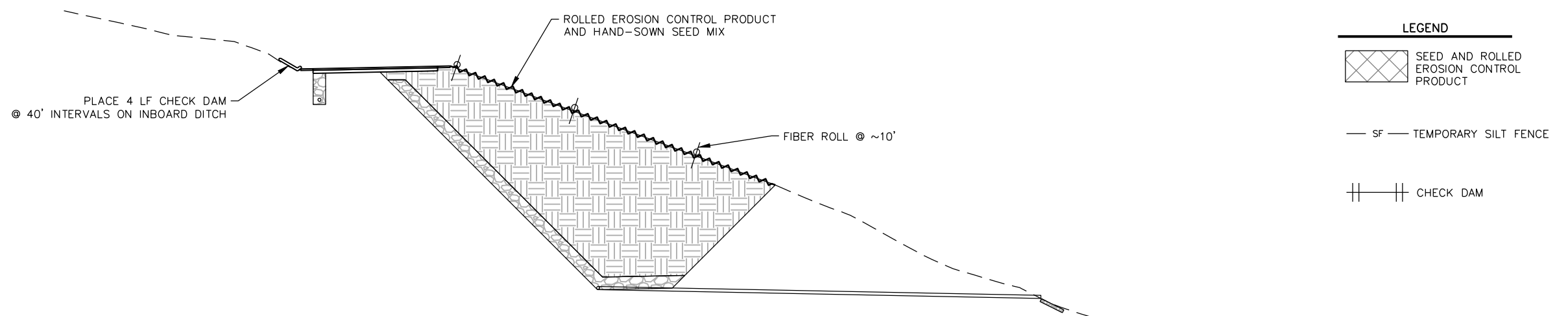
BAR IS ONE INCH ON ORIGINAL DRAWING	ROAD NAME: ALDERPOINT ROAD	DESIGN SECTION
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NO.: F6B165	ENGINEERING
	AGREEMENT NO.: ER 4400(046)	DESIGNED BY: MMS
	CONTRACT NO.: 206375	DRAWN BY: MMS
	DRAWING FILE NAME: 206375R ALDERPOINT 40.21-40.70	REVIEWED BY: JAB
	MILE POST: 40.21-40.70	APPROVED BY: TRS
	DATE: 5/25/2021	

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
STORM DAMAGE REPAIR TO ALDERPOINT ROAD PM 40.21-40.70
SITE 'B' EROSION CONTROL

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OF  
**18**



**SITE B EROSION CONTROL PLAN VIEW**  
SCALE: 1"=15'



**SITE 'B2' PROFILE VIEW**  
SCALE: 1"=10'

**LEGEND**

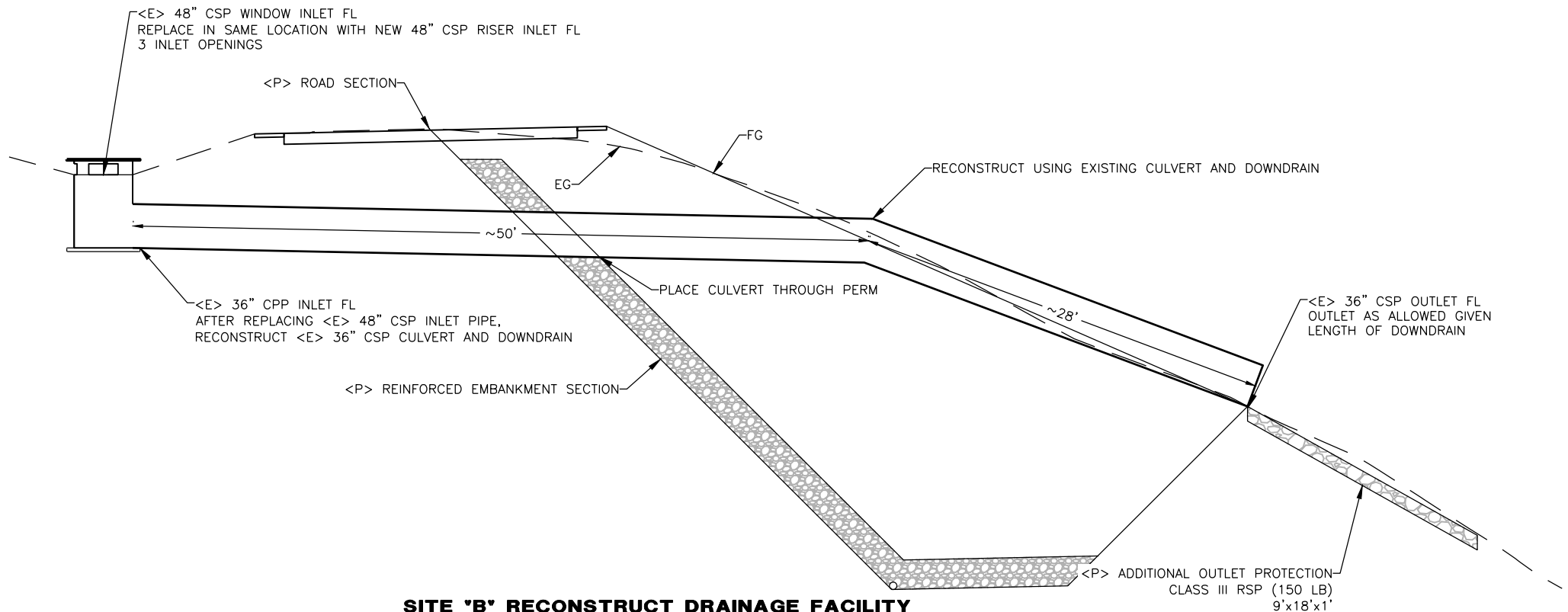
	SEED AND ROLLED EROSION CONTROL PRODUCT
	SF TEMPORARY SILT FENCE
	CHECK DAM



BAR IS ONE INCH ON ORIGINAL DRAWING	ROAD NAME: ALDERPOINT ROAD	DESIGN SECTION
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NO.: F6B165	ENGINEERING
	AGREEMENT NO.: ER 4400(046)	DESIGNED BY: MMS
	CONTRACT NO.: 206375	DRAWN BY: MMS
	DRAWING FILE NAME: 206375R ALDERPOINT 40.21-40.70	REVIEWED BY: JAB
	PLOT DATE: 5/25/2021	APPROVED BY: TRS

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
STORM DAMAGE REPAIR TO ALDERPOINT ROAD PM 40.21-40.70
SITE "B" DRAINAGE DETAILS

SHEET  
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OF  
**18**

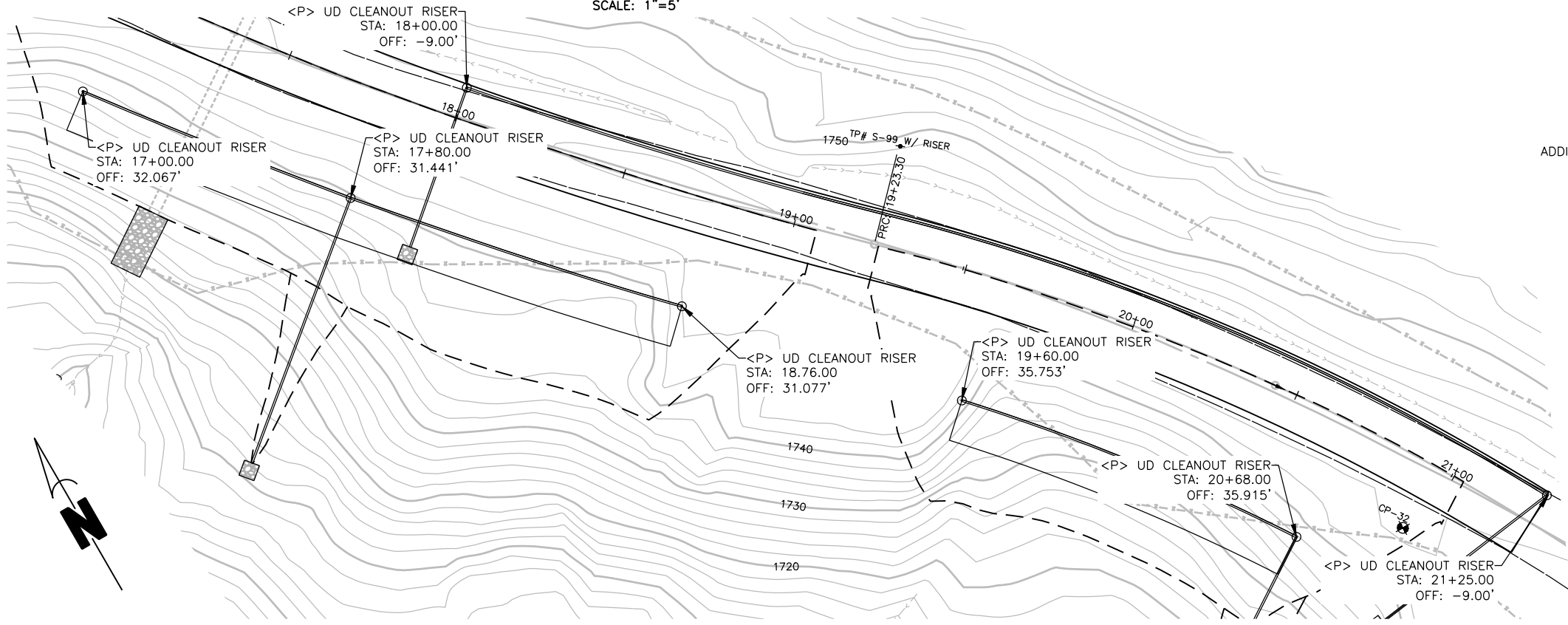


**NOTES**

1. CONSTRUCT PER CALTRANS STANDARD PLAN DETAIL D75A FOR STEEL PIPE INLET.
2. INSTALL CULVERTS PER CALTRANS STANDARD PLAN DETAIL A62F FOR METAL AND PLASTIC PIPES.
3. RSP QUANTITIES INCLUDE THE COST OF RSP FABRIC IF NECESSARY
4. REMOVING AND REINSTALLING THE PIPE IS PAID UNDER THE "RECONSTRUCT DRAINAGE FACILITY" BID ITEM. THE NEW 48" CSP INLET IS PAID UNDER THE "48" CORRUGATED STEEL PIPE INLET (.109" THICK)" BID ITEM

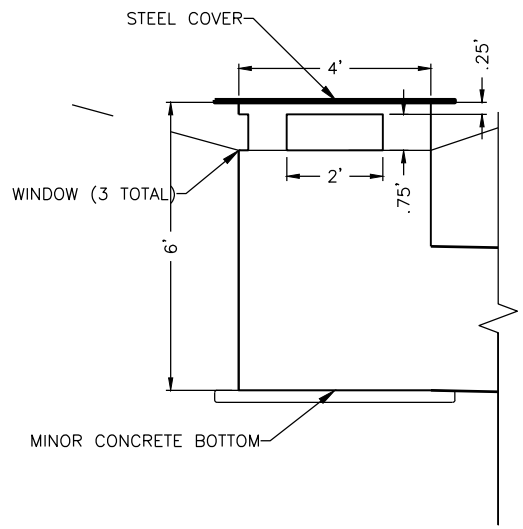
**SITE "B" RECONSTRUCT DRAINAGE FACILITY**

SCALE: 1"=5'



**SITE "B" CLEANOUT LOCATIONS**

SCALE: 1"=20'



**SITE "B" RISER DETAIL**

SCALE: 1"=5'

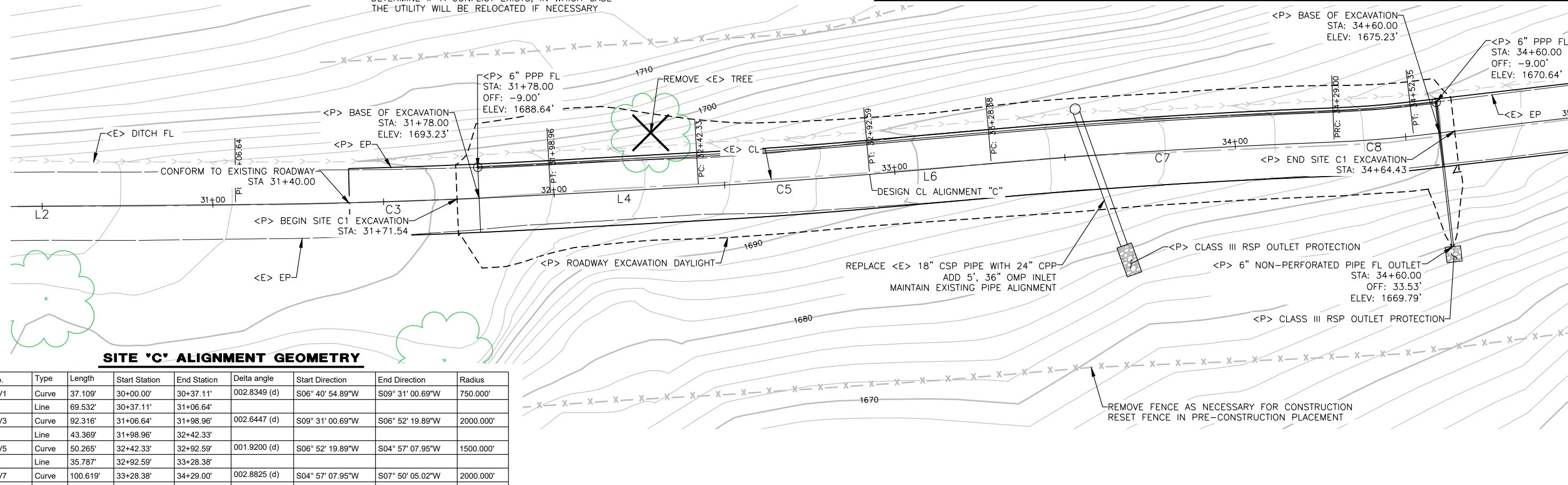


**NOTES**

1. UNDERGROUND COMMUNICATION UTILITY BURIED NEAR INBOARD DITCH (EXACT LOCATION UNKNOWN)
2. COUNTY WILL COORDINATE WITH UTILITY OWNER TO DETERMINE IF A CONFLICT EXISTS, IN WHICH CASE THE UTILITY WILL BE RELOCATED IF NECESSARY



ROAD NAME: ALDERPOINT ROAD	DESIGN SECTION: ENGINEERING	<b>COUNTY OF HUMBOLDT</b> <b>DEPARTMENT OF PUBLIC WORKS</b> <b>STORM DAMAGE REPAIR TO ALDERPOINT ROAD PM 40.21-40.70</b>	<b>SHEET 15</b> <b>OF 18</b>
ROAD NO: F6B165	MILE POST: 40.21-40.70		
AGREEMENT NO.: ER 4400(046)	DESIGNED BY: MMS		
CONTRACT NO.: 206375	DRAWN BY: MMS		
DRAWING FILE NAME: 206375R ALDERPOINT 40.21-40.70	REVIEWED BY: JAB	<b>SITE C1 PLAN AND PROFILE</b>	
PLOT DATE: 5/25/2021	APPROVED BY: TRS		

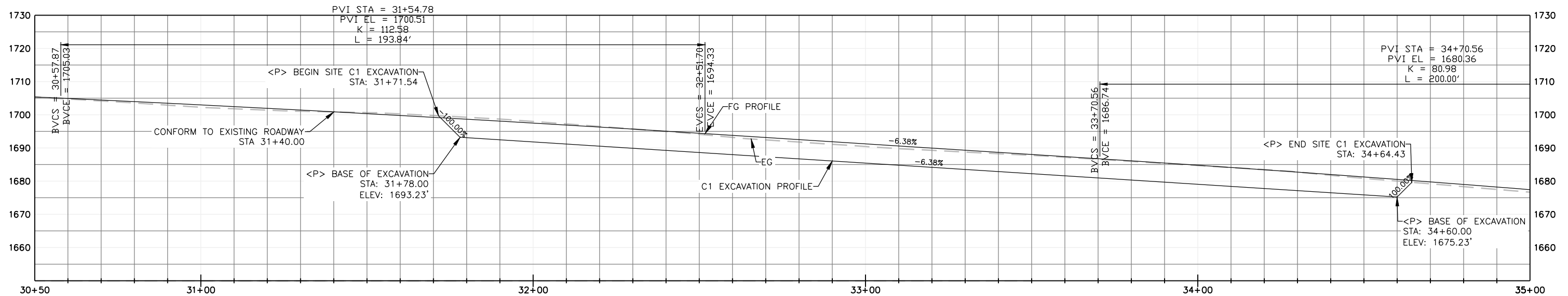


**SITE 'C' ALIGNMENT GEOMETRY**

No.	Type	Length	Start Station	End Station	Delta angle	Start Direction	End Direction	Radius
CV1	Curve	37.109'	30+00.00'	30+37.11'	002.8349 (d)	S06° 40' 54.89"W	S09° 31' 00.69"W	750.000'
L2	Line	69.532'	30+37.11'	31+06.64'				
CV3	Curve	92.316'	31+06.64'	31+98.96'	002.6447 (d)	S09° 31' 00.69"W	S06° 52' 19.89"W	2000.000'
L4	Line	43.369'	31+98.96'	32+42.33'				
CV5	Curve	50.265'	32+42.33'	32+92.59'	001.9200 (d)	S06° 52' 19.89"W	S04° 57' 07.95"W	1500.000'
L6	Line	35.787'	32+92.59'	33+28.38'				
CV7	Curve	100.619'	33+28.38'	34+29.00'	002.8825 (d)	S04° 57' 07.95"W	S07° 50' 05.02"W	2000.000'
CV8	Curve	23.353'	34+29.00'	34+52.35'	004.4601 (d)	S07° 50' 05.02"W	S03° 22' 28.55"W	300.000'
L9	Line	46.850'	34+52.35'	34+99.20'				
CV10	Curve	193.610'	34+99.20'	36+92.81'	036.9769 (d)	S03° 22' 28.55"W	S40° 21' 05.23"W	300.000'
L11	Line	86.862'	36+92.81'	37+79.67'				

**SITE C1 PLAN VIEW**

SCALE: 1"=15'



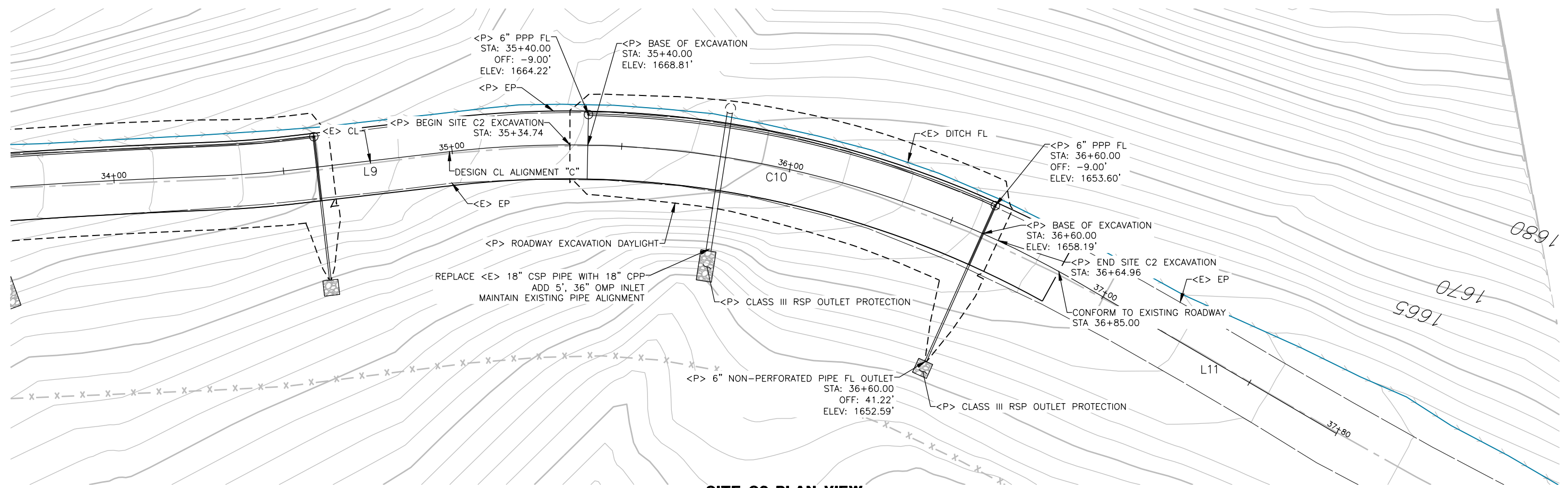
**SITE C1 PROFILE VIEW**

SCALE: 1"=15'

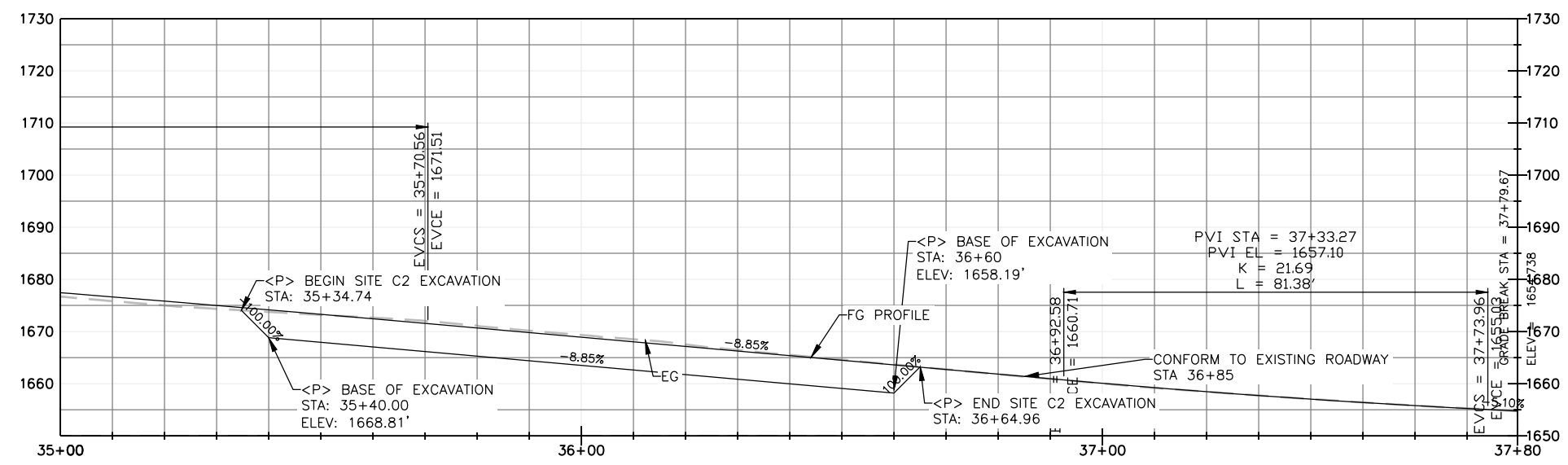


ROAD NAME: ALDERPOINT ROAD	DESIGN SECTION
ROAD NO.: F6B165	ENGINEERING
AGREEMENT NO.: ER 4400(046)	DESIGNED BY: MMS
CONTRACT NO.: 206375	DRAWN BY: MMS
DRAWING FILE NAME: 206375R ALDERPOINT 40.21-40.70	REVIEWED BY: JAB
PLOT DATE: 5/25/2021	APPROVED BY: TRS

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS	SHEET
STORM DAMAGE REPAIR TO ALDERPOINT ROAD PM 40.21-40.70	16
SITE C2 PLAN AND PROFILE	OF
	18



**SITE C2 PLAN VIEW**  
SCALE: 1"=15'



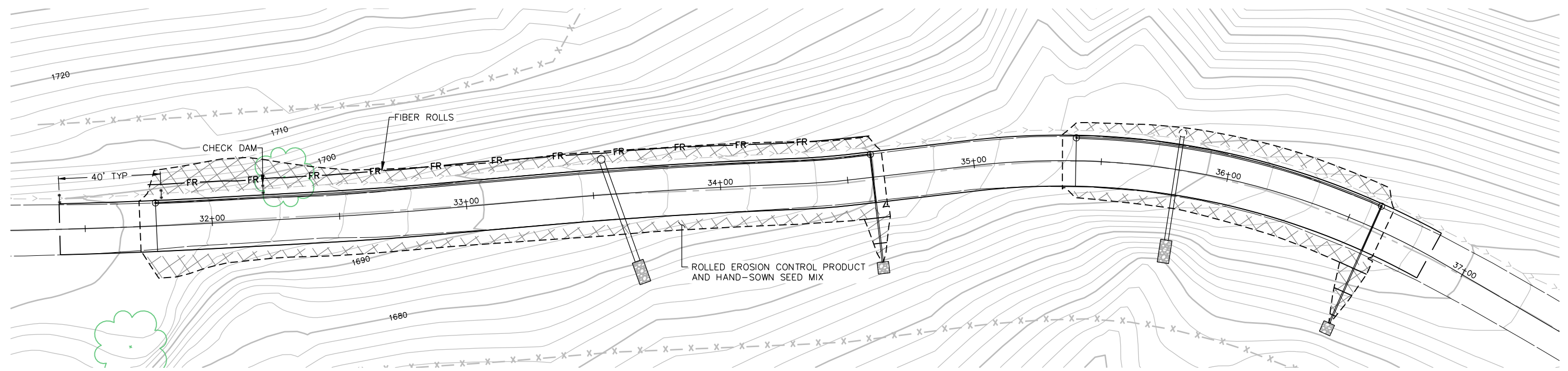
**SITE C2 PROFILE VIEW**  
SCALE: 1"=15'



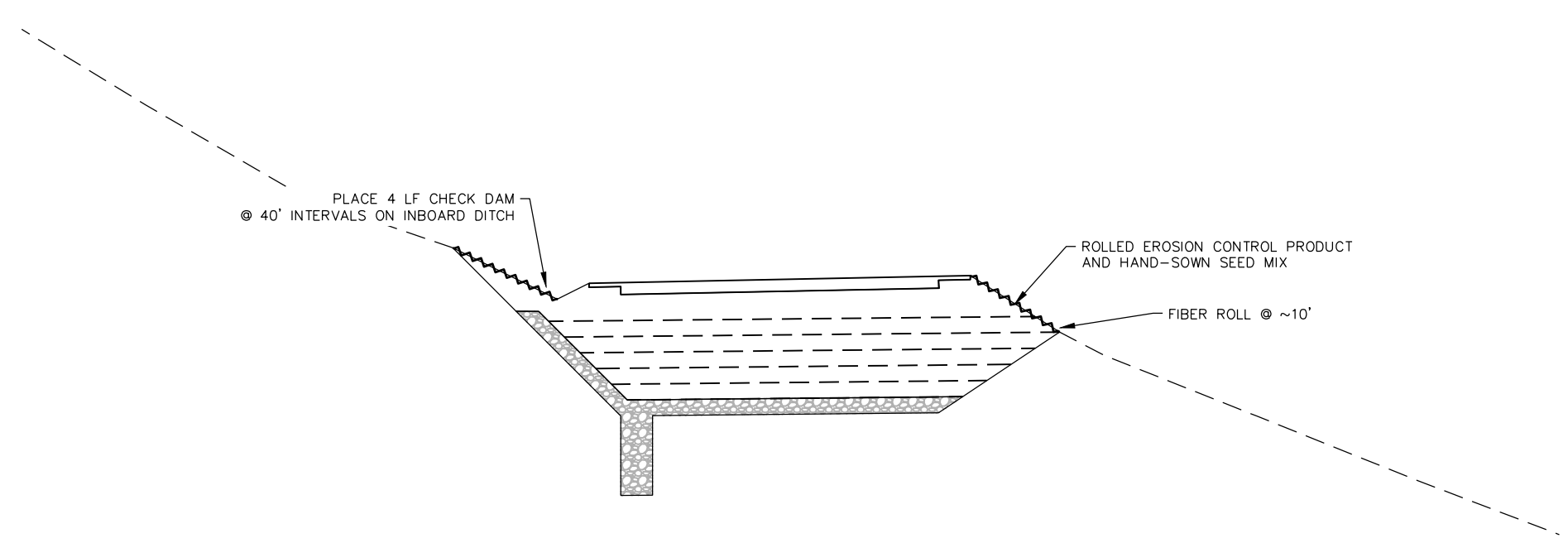


BAR IS ONE INCH ON ORIGINAL DRAWING  IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: ALDERPOINT ROAD	DESIGN SECTION	<b>COUNTY OF HUMBOLDT</b> <b>DEPARTMENT OF PUBLIC WORKS</b> <b>STORM DAMAGE REPAIR TO ALDERPOINT ROAD PM 40.21-40.70</b> <b>SITE 'C' EROSION CONTROL</b>	
	ROAD NO.: F6B165	MILE POST: 40.21-40.70		ENGINEERING
	AGREEMENT NO.: ER 4400(046)			DESIGNED BY: MMS
	CONTRACT NO.: 206375			DRAWN BY: MMS
	DRAWING FILE NAME: 206375R ALDERPOINT 40.21-40.70	REVIEWED BY: JAB		
	PLOT DATE: 5/25/2021	APPROVED BY: TRS		

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**18**



**SITE C EROSION CONTROL PLAN VIEW**  
SCALE: 1"=20'



**SITE 'C' SECTION VIEW**  
SCALE: 1"=5'

**LEGEND**

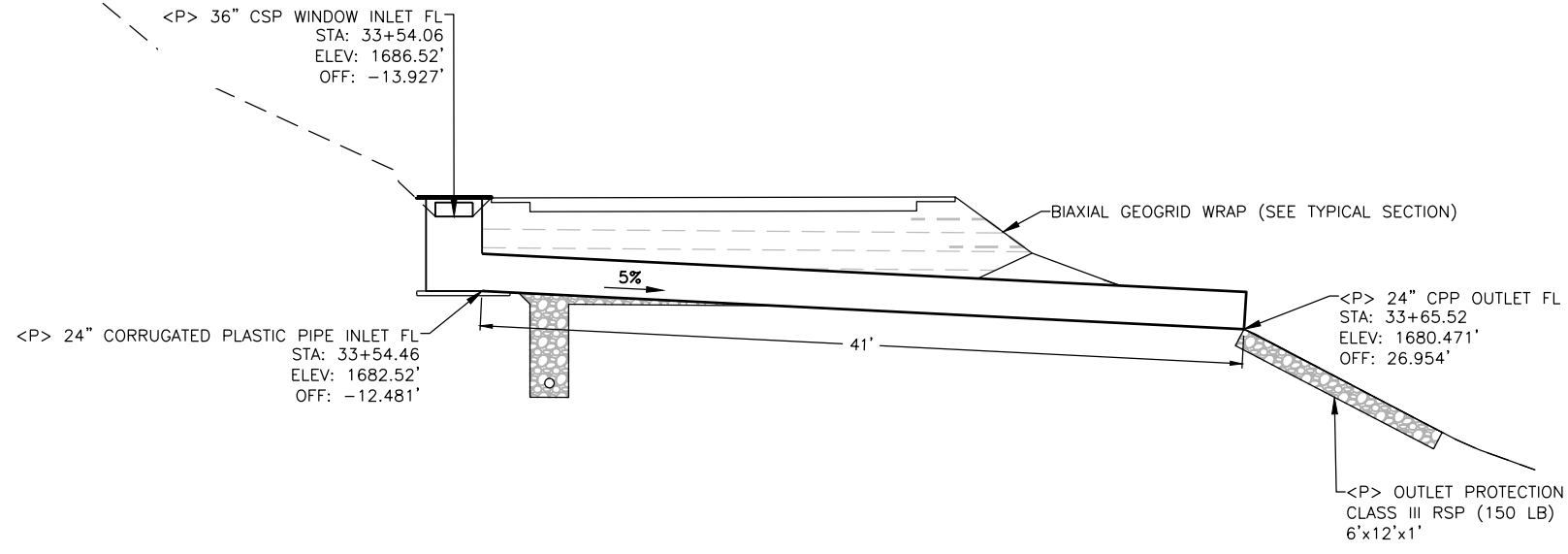
	SEED AND ROLLED EROSION CONTROL PRODUCT
	SF TEMPORARY SILT FENCE
	CHECK DAM



ROAD NAME: ALDERPOINT ROAD	DESIGN SECTION
ROAD NO.: F6B165	ENGINEERING
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COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
STORM DAMAGE REPAIR TO ALDERPOINT ROAD PM 40.21-40.70
<b>SITE 'C' DRAINAGE DETAILS</b>

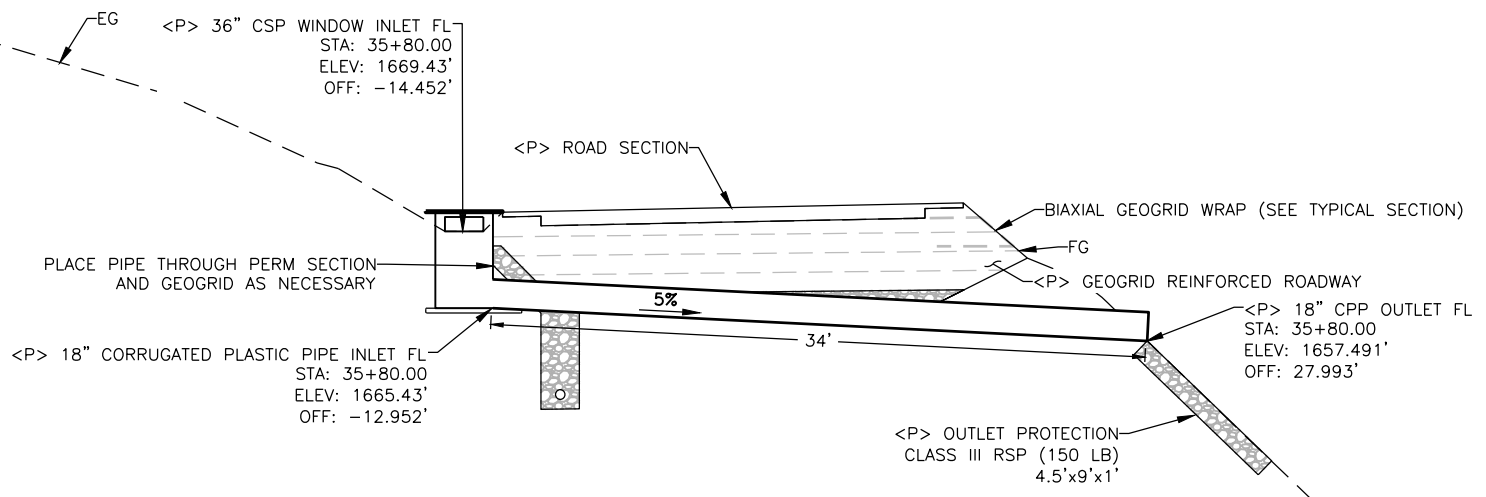
SHEET  
**18**  
OF  
**18**



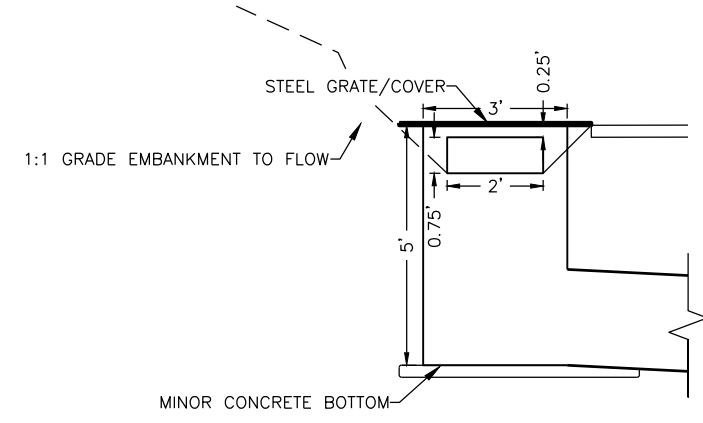
**SITE 'C' CULVERT 1**  
SCALE: 1"=5'

**NOTES**

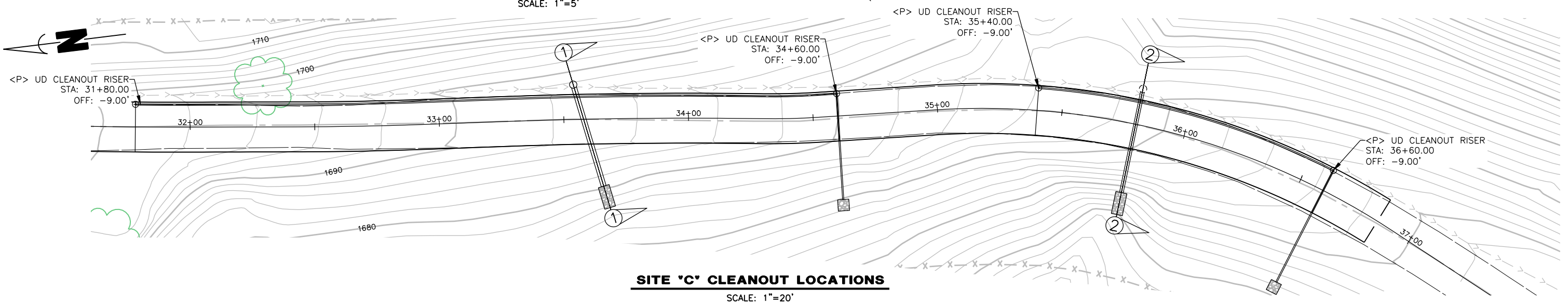
1. CONSTRUCT PER CALTRANS STANDARD PLAN DETAIL D75A FOR STEEL PIPE INLET.
2. INSTALL CULVERTS PER CALTRANS STANDARD PLAN DETAIL A62F FOR METAL AND PLASTIC PIPES.
3. RSP QUANTITIES INCLUDE THE COST OF RSP FABRIC IF NECESSARY
4. REMOVE EXISTING CULVERT BEFORE INSTALLING CULVERT 1 AT THE SAME LOCATION



**SITE 'C' CULVERT 2**  
SCALE: 1"=5'



**SITE 'C' RISER DETAIL**  
SCALE: 1"=2'



**SITE 'C' CLEANOUT LOCATIONS**  
SCALE: 1"=20'