

**FUNDING SOURCES**



**FEMA**



**Cal OES**  
GOVERNOR'S OFFICE  
OF EMERGENCY SERVICES

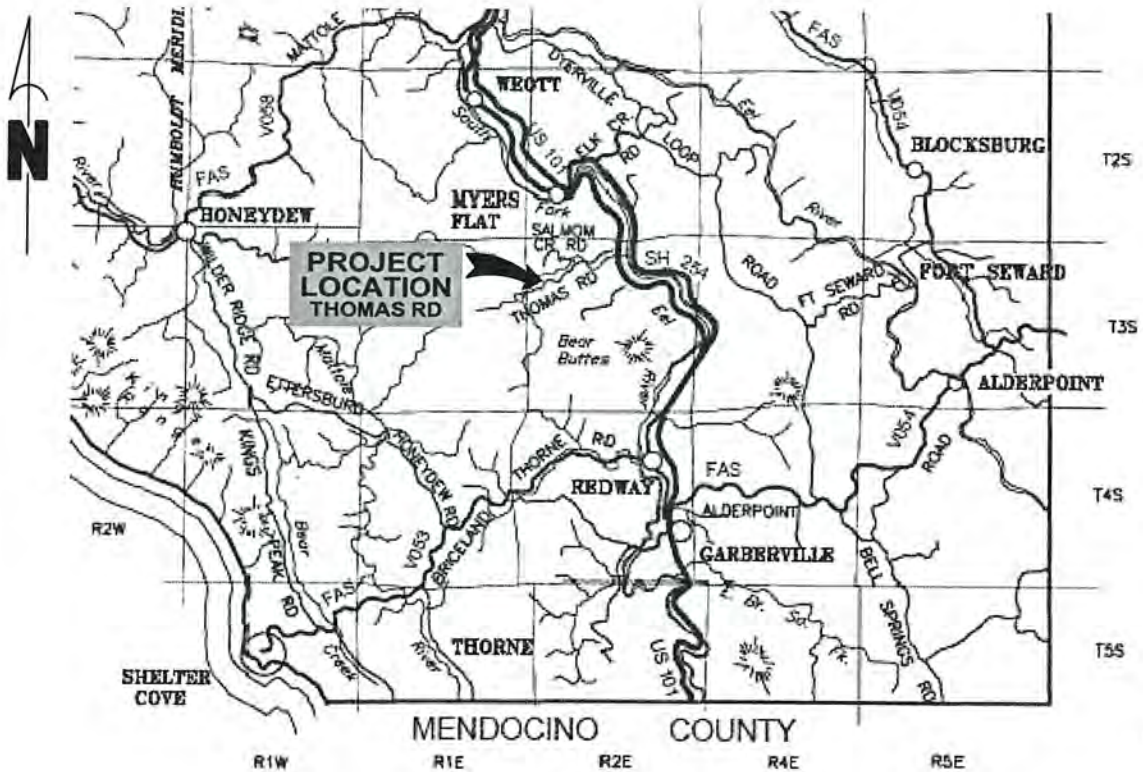
**COUNTY OF HUMBOLDT  
DEPARTMENT OF PUBLIC WORKS**

**PROJECT PLANS FOR CONSTRUCTION OF  
STORM DAMAGE REPAIRS ON  
THOMAS ROAD [6C040]  
at P.M. 2.31, 2.60 & 2.86  
FEMA-4308-DR-CA PW-1031 & PW-1275  
CONTRACT NO. 217347, 217397 & 217398**

BAR IS ONE INCH ON ORIGINAL DRAWING  IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: THOMAS ROAD	DESIGN SECTION: ENGINEERING	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS STORM DAMAGE ON THOMAS ROAD PM 2.31, 2.60 & 2.86 COVER SHEET, SHEET INDEX AND MAPS	SHEET <b>1</b> OF <b>11</b>
	ROAD NO: 6C040	MILE POST: 2.31, 2.60 & 2.86		
	FEMA PROJECT NO: FEMA 4308 PW#1031 & PW#1275	DESIGNED BY: JAB		
	CONTRACT NO: 217347, 217297 & 217398	DRAWN BY: JAB / RMD		
	DRAWING FILE NAME: 217XXX TRd CDSN001	REVIEWED BY: ENGR		
	PLOT DATE: 06/16/2022	APPROVED BY: TRS		



**LOCATION MAP**  
SCALE: 1"=10± MILE



**VICINITY MAP**  
N.T.S.



**INDEX OF SHEETS**

1	COVER SHEET, SHEET INDEX, AND MAPS
2	CONSTRUCTION AREA SIGNS & BID QUANTITIES
3	PM 2.31 SURVEY CONTROL
4	PM 2.31 PLAN & PROFILE VIEWS AND TYPICAL SECTIONS
5	PM 2.60 SURVEY CONTROL
6	PM 2.60 TYPICAL SECTIONS
7	PM 2.60 PLAN AND PROFILE
8-9	PM 2.60 SECTION VIEWS
10	PM 2.86 SURVEY CONTROL
11	PM 2.86 PLAN & PROFILE VIEWS AND TYPICAL SECTIONS

**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 PLANS AND SPECIFICATIONS. (SEE APPLICABLE STANDARD PLAN LIST IN SPECIAL PROVISIONS)

ADT: 355 (12/18/2008)  
DESIGN SPEED: 35 MPH

**RECOMMENDED**

*Jeffrey A. Ball* 6-16-22  
 JEFFREY A. BALL DATE  
 RCE 70631, EXP. 6/30/2023



**APPROVED**

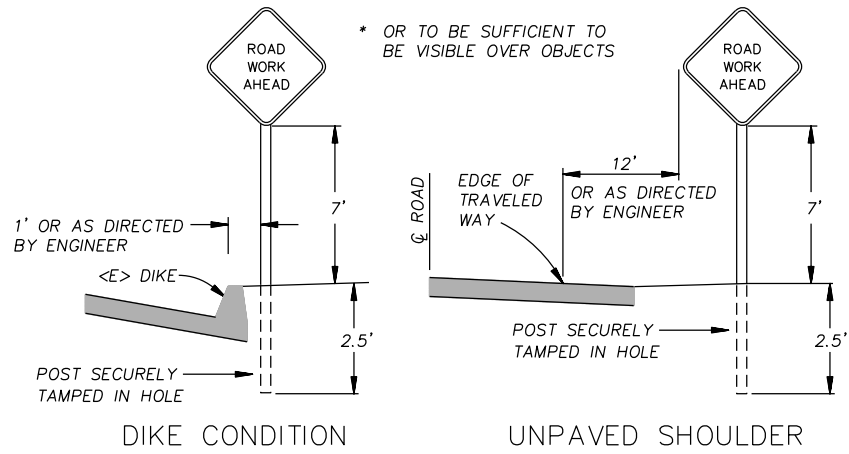
*Tony R. Seghetti* 6/16/22  
 TONY R. SEGHETTI DATE  
 RCE 63714, EXP. 9/30/2022



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



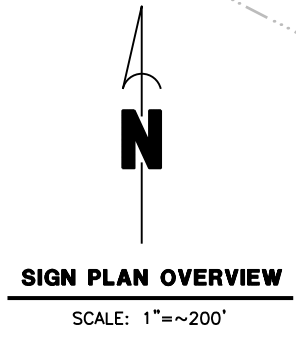
BAR IS ONE INCH ON ORIGINAL DRAWING  IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: THOMAS ROAD	DESIGN SECTION: ENGINEERING	<b>COUNTY OF HUMBOLDT</b> <b>DEPARTMENT OF PUBLIC WORKS</b> <b>STORM DAMAGE ON THOMAS ROAD PM 2.31, 2.60 &amp; 2.86</b> <b>CONSTRUCTION AREA SIGNS AND BID QUANTITIES</b>	SHEET <b>2</b> OF <b>11</b>
	ROAD NO.: 6C040	MILE POST: 2.31, 2.60 & 2.86		
	FEMA PROJECT NO.: FEMA 4308 PW#1031 & PW#1275	DESIGNED BY: JAB		
	CONTRACT NO.: 217347, 217297 & 217398	DRAWN BY: JAB / RMD		
	DRAWING FILE NAME: 217XXX TRd CDSN001	REVIEWED BY: ENGR		
	PLOT DATE: 06/16/2022	APPROVED BY: TRS		



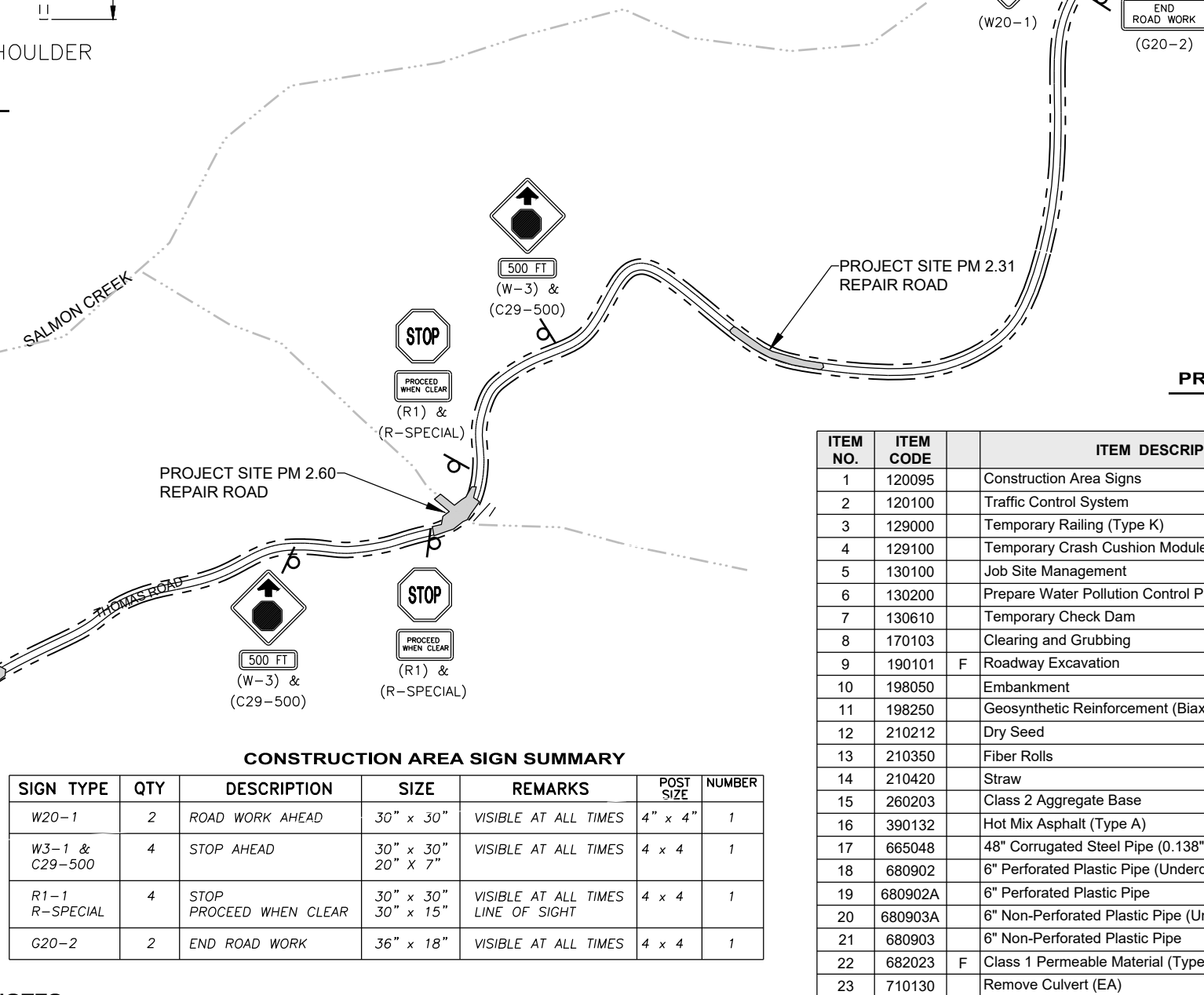
**RURAL CONSTRUCTION AREA SIGN**  
- NOT TO SCALE -

**STAGING & STOCKPILE NOTES**

- 1) MANAGE MATERIAL PER SECTION 13-4.03C OF THE 2018 CALTRANS STANDARD SPECIFICATIONS
- 2) IF STAGING AND/OR STOCKPILE AREA IS IN A TURNOUT - THE TURNOUT SHALL BE REESTABLISHED TO PRE-CONSTRUCTION CONDITIONS
- 3) STAGING AND/OR STOCKPILE LOCATIONS SHOWN IN THE PLANS HAVE BEEN APPROVED BY PUBLIC WORKS AS DETAILED IN THE ENVIRONMENTAL REPORT.



**SIGN PLAN OVERVIEW**  
SCALE: 1"=200'



**PROJECT QUANTITIES**

ITEM NO.	ITEM CODE	ITEM DESCRIPTION	UNIT	PM 2.31	PM 2.60	PM 2.86	Total
1	120095	Construction Area Signs	EA	2	4	2	8
2	120100	Traffic Control System	LS	0.1	0.8	0.1	1
3	129000	Temporary Railing (Type K)	LF	0	200	0	200
4	129100	Temporary Crash Cushion Module	EA	0	12	0	12
5	130100	Job Site Management	LS	0.1	0.8	0.1	1
6	130200	Prepare Water Pollution Control Program	LS	0.1	0.8	0.1	1
7	130610	Temporary Check Dam	LF	0	30	0	30
8	170103	Clearing and Grubbing	LS	0	1	0	1
9	190101	F Roadway Excavation	CY	109	2,500	102	2,711
10	198050	Embankment	CY	66	2,183	80	2,329
11	198250	Geosynthetic Reinforcement (Biaxial Geogrid)	SQYD	361	0	347	708
12	210212	Dry Seed	SQFT	0	1,800	0	1,800
13	210350	Fiber Rolls	LF	0	675	0	675
14	210420	Straw	SQFT	0	1,800	0	1,800
15	260203	Class 2 Aggregate Base	CY	47	69	46	162
16	390132	Hot Mix Asphalt (Type A)	TON	33	47	32	112
17	665048	48" Corrugated Steel Pipe (0.138" Thick)	LF	0	150	0	150
18	680902	6" Perforated Plastic Pipe (Underdrain)	LF	0	100	0	100
19	680902A	6" Perforated Plastic Pipe	LF	0	74	0	74
20	680903A	6" Non-Perforated Plastic Pipe (Underdrain)	LF	0	100	0	100
21	680903	6" Non-Perforated Plastic Pipe	LF	0	60	0	60
22	682023	F Class 1 Permeable Material (Type B, Class 1)	CY	0	317	0	317
23	710130	Remove Culvert (EA)	EA	0	0	1	1
24	723080	Rock Slope Protection (Class II, 60 lb, Method B)	CY	0	1	3	4
25	999990	Mobilization	LS	0.1	0.8	0.1	1

**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 & C29-500	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

**NOTES**

- 1) SIGNS SHALL BE PLACED AS SHOWN ON PLAN OR AS DIRECTED BY THE ENGINEER.
- 2) FINAL PLACEMENT OF SIGNS SHALL BE APPROVED BY RESIDENT ENGINEER.
- 3) ADDITIONAL PORTABLE SIGNS SHALL BE USED AS REQUIRED FOR OTHER ROADSIDE WORK.
- 4) SEE STANDARD PLAN T13 FOR TRAFFIC CONTROL SYSTEM.
- 5) IN ADDITION TO CONSTRUCTION AREA SIGNS AND WHEN DIRECTED BY THE RESIDENT ENGINEER, THE CONTRACTOR SHALL UTILIZE FLAGGERS AS NECESSARY TO DIRECT TRAFFIC.
- 6) 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.



ROAD NAME: THOMAS ROAD		DESIGN SECTION	<b>COUNTY OF HUMBOLDT</b> <b>DEPARTMENT OF PUBLIC WORKS</b> <b>STORM DAMAGE REPAIR TO THOMAS ROAD PM 2.31</b>  <b>SURVEY CONTROL</b>	SHEET <b>3</b> OF <b>11</b>
ROAD NO: 6C040	MILE POST: 2.31	ENGINEERING		
PROJECT NO.: FEMA-4308-DR-CA PW-01031(0)		DESIGNED BY: JAB		
CONTRACT NO.: 217347		DRAWN BY: RMD		
DRAWING FILE NAME: 217347 TRd CDSN231		REVIEWED BY: JAB		
PLOT DATE: 06/16/2022	REVISION DATE:	APPROVED BY: TRS		

**BASIS OF BEARINGS NOTE**

THE BEARINGS ARE BASED ON TIES BETWEEN THE CONTROL POINT #101 AND CONTROL POINT #102 WITH A COMPASS BEARING OF N59°00'00"W. COORDINATE SYSTEM IS ASSUMED WITH CONTROL POINT #101 BEING 5,000 NORTHING AND 10,000 EASTING.

**ELEVATION NOTE**

ELEVATIONS ARE BASED UPON THE ASSUMED ELEVATION OF CONTROL POINT #101 BEING 5000.00'.

**RIGHT OF WAY NOTE**

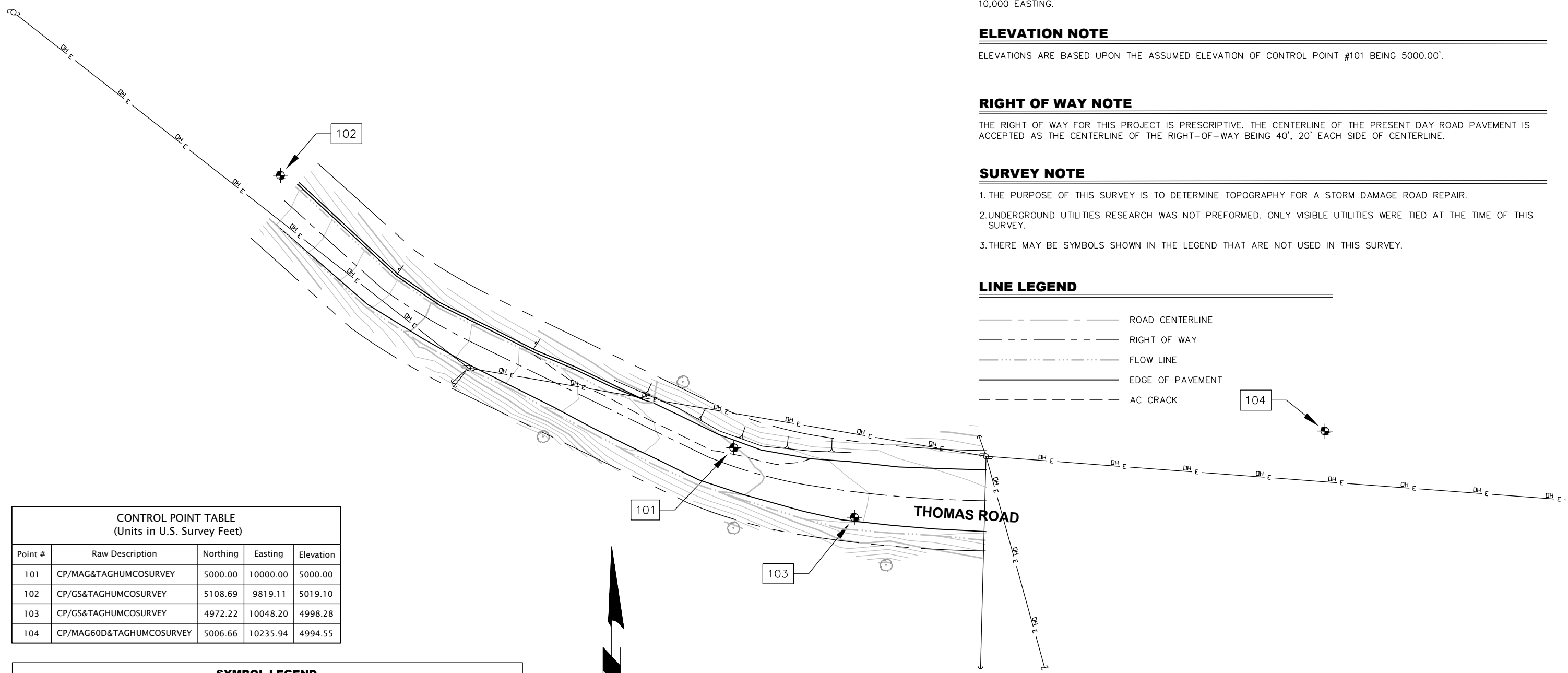
THE RIGHT OF WAY FOR THIS PROJECT IS PRESCRIPTIVE. THE CENTERLINE OF THE PRESENT DAY ROAD PAVEMENT IS ACCEPTED AS THE CENTERLINE OF THE RIGHT-OF-WAY BEING 40', 20' EACH SIDE OF CENTERLINE.

**SURVEY NOTE**

1. THE PURPOSE OF THIS SURVEY IS TO DETERMINE TOPOGRAPHY FOR A STORM DAMAGE ROAD REPAIR.
2. UNDERGROUND UTILITIES RESEARCH WAS NOT PREFORMED. ONLY VISIBLE UTILITIES WERE TIED AT THE TIME OF THIS SURVEY.
3. THERE MAY BE SYMBOLS SHOWN IN THE LEGEND THAT ARE NOT USED IN THIS SURVEY.

**LINE LEGEND**

- ROAD CENTERLINE
- RIGHT OF WAY
- ..... FLOW LINE
- EDGE OF PAVEMENT
- AC CRACK



**CONTROL POINT TABLE**  
(Units in U.S. Survey Feet)

Point #	Raw Description	Northing	Easting	Elevation
101	CP/MAG&TAGHUMCOSURVEY	5000.00	10000.00	5000.00
102	CP/GS&TAGHUMCOSURVEY	5108.69	9819.11	5019.10
103	CP/GS&TAGHUMCOSURVEY	4972.22	10048.20	4998.28
104	CP/MAG60D&TAGHUMCOSURVEY	5006.66	10235.94	4994.55

**SYMBOL LEGEND**

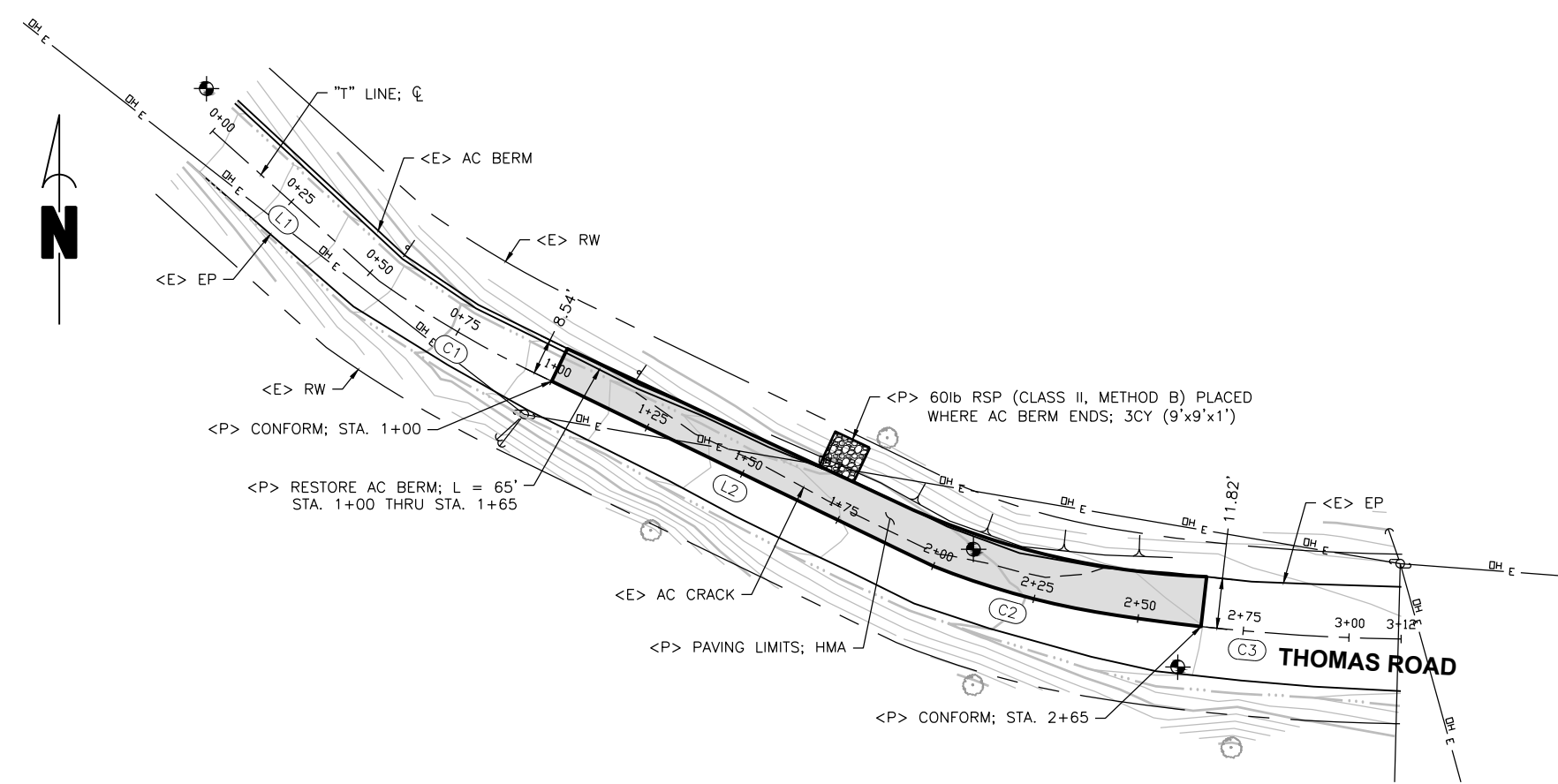
Symbol	Description	Symbol	Description	Symbol	Description
⊙	BOLLARD	Ⓜ	MAILBOX	Ⓧ	STORM DRAIN MANHOLE
Ⓧ	ELECTRIC MANHOLE	Ⓟ	PUSH BUTTON PEDESTRIAN POST	Ⓢ	STUMP
Ⓢ	FIRE HYDRANT	Ⓡ	RISER	Ⓣ	TREE
Ⓡ	FOUND MONUMENT	Ⓢ	SANITARY SEWER CLEANOUT	Ⓤ	UNDERGROUND VAULT
Ⓤ	GAS VALVE	Ⓢ	SANITARY SEWER MANHOLE	Ⓤ	UNDERGROUND LARGE VAULT
Ⓢ	GUY	Ⓢ	CONTROL POINT	Ⓤ	JOINT USE UTILITY POLE
Ⓤ	GUY POLE	Ⓢ	SIGN	Ⓤ	WATER METER
Ⓤ	LID- UTILITY-TYPE IN POINT CODE	Ⓢ	SIGNAL POLE	Ⓤ	WATER VALVE
Ⓤ	LUMINAIRE POLE				



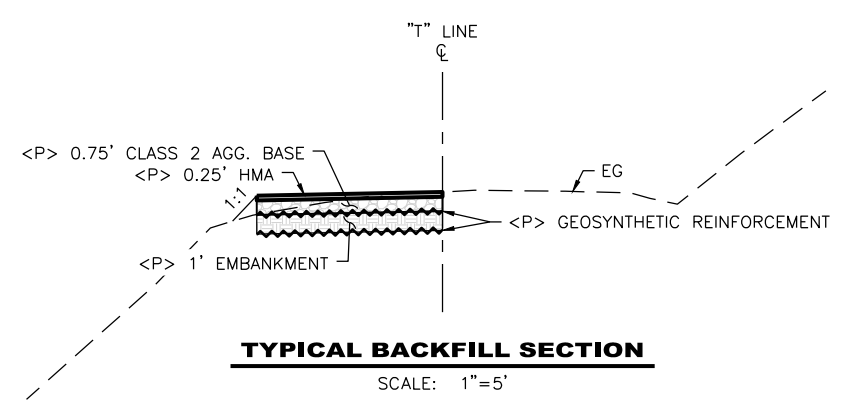
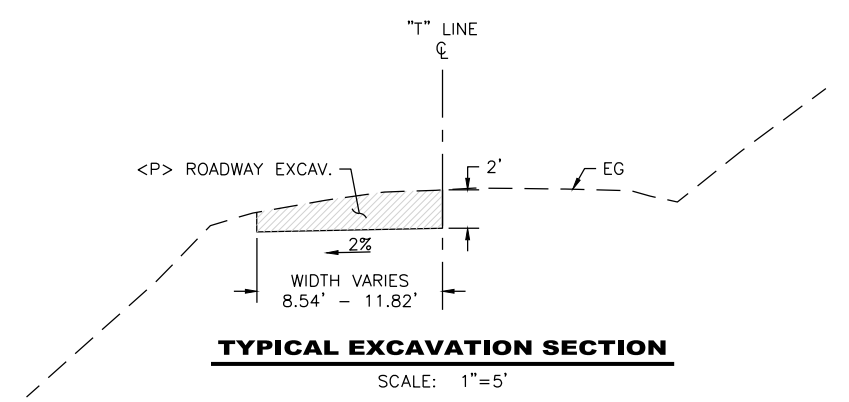
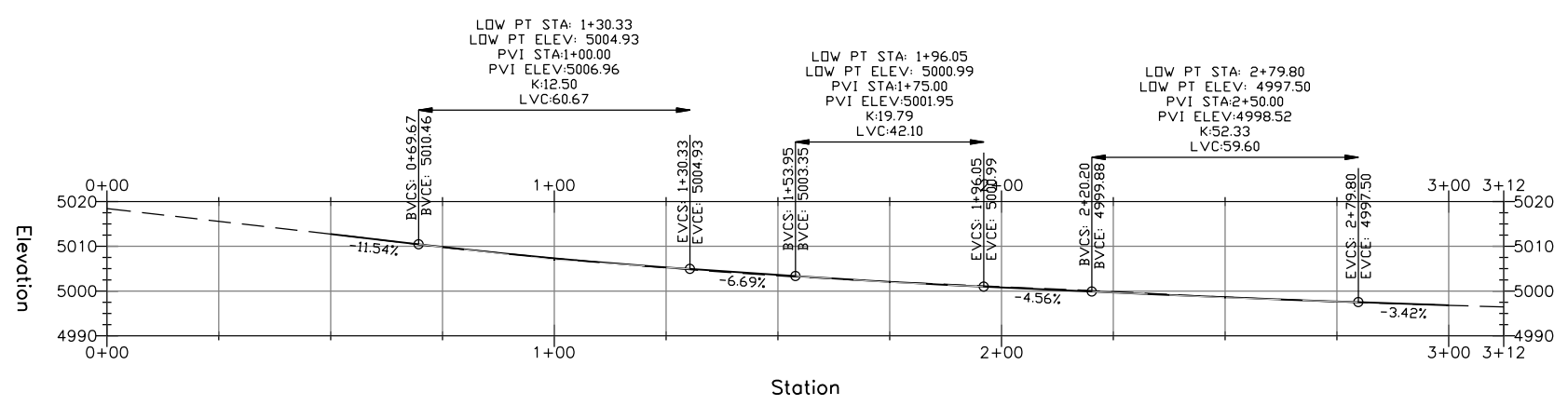
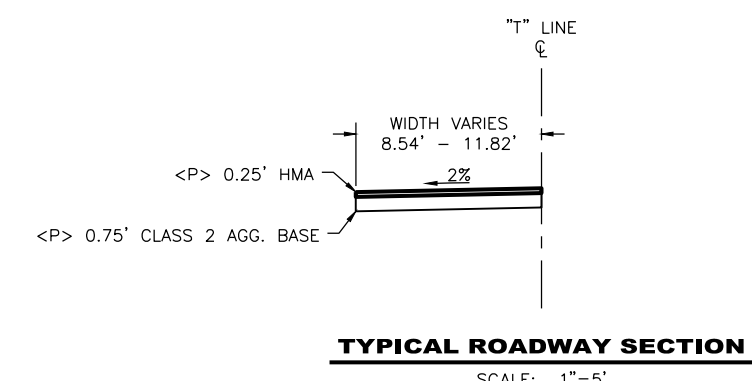


ROAD NAME: THOMAS ROAD		DESIGN SECTION	<b>COUNTY OF HUMBOLDT</b> <b>DEPARTMENT OF PUBLIC WORKS</b> <b>STORM DAMAGE REPAIR TO THOMAS ROAD PM 2.31</b> <b>PLAN &amp; PROFILE VIEWS, ALIGNMENT</b> <b>DATA AND TYPICAL SECTIONS</b>
ROAD NO: 6C040	MILE POST: 2.31	ENGINEERING	
PROJECT NO.: FEMA-4308-DR-CA PW-01031(0)		DESIGNED BY: JAB	
CONTRACT NO.: 217347		DRAWN BY: RMD	
DRAWING FILE NAME: 217347 TRd CDSN231		REVIEWED BY: JAB	
PLOT DATE: 06/16/2022	REVISION DATE:	APPROVED BY: TRS	

SHEET  
**4**  
OF  
**11**



"T" LINE ALIGNMENT						
SEGMENT	LENGTH	BEARING/Delta	RADIUS	TANGENT	START	END
L1	52.95'	S48°00'54"E			STA: 0+00.00 N: 5098.67 E: 9820.53	STA: 0+52.95 N: 5063.25 E: 9859.89
C1	45.49'	009°56'45"	262.07'	22.80'	STA: 0+52.95 N: 5063.25 E: 9859.89	STA: 0+98.44 N: 5040.31 E: 9899.11
L2	100.95'	S64°07'36"E			STA: 0+98.44 N: 5040.31 E: 9899.11	STA: 1+99.39 N: 4996.26 E: 9989.94
C2	40.97'	012°25'16"	189.01'	20.57'	STA: 1+99.39 N: 4996.26 E: 9989.94	STA: 2+40.37 N: 4985.12 E: 10029.29
C3	71.93'	008°31'13"	483.67'	36.03'	STA: 2+40.37 N: 4985.12 E: 10029.29	STA: 3+12.29 N: 4978.82 E: 10100.87



**THOMAS ROAD PM 2.6 PROJECT NO. 217397**

CREW: J. SHORT, M. LANDRY  
 FIELD WORK: 9/6/2018  
 WORKMAP: 9/12/2018 BY M. LANDRY  
 CONTROL POINTS = #1-5  
 TOPO POINTS = #1001-1158



BAR IS ONE INCH ON ORIGINAL DRAWING  IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: THOMAS ROAD	DESIGN SECTION: ENGINEERING	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
	ROAD NO.: 6C040	MILE POST: 2.60	
	FEMA PROJECT NO.: FEMA 4308 PW#1275	DRAWN BY: JAB / RMD	STORM DAMAGE REPAIR TO THOMAS ROAD PM 2.60
	CONTRACT NO.: 217397	REVIEWED BY: ENGR	
	DRAWING FILE NAME: 217397 TRd CDSN260	APPROVED BY: TRS	SURVEY CONTROL
	PLOT DATE: 06/16/2022	REVISION DATE:	

SHEET  
**5**  
 OF  
**11**

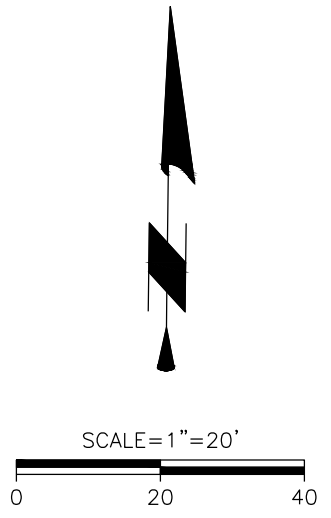
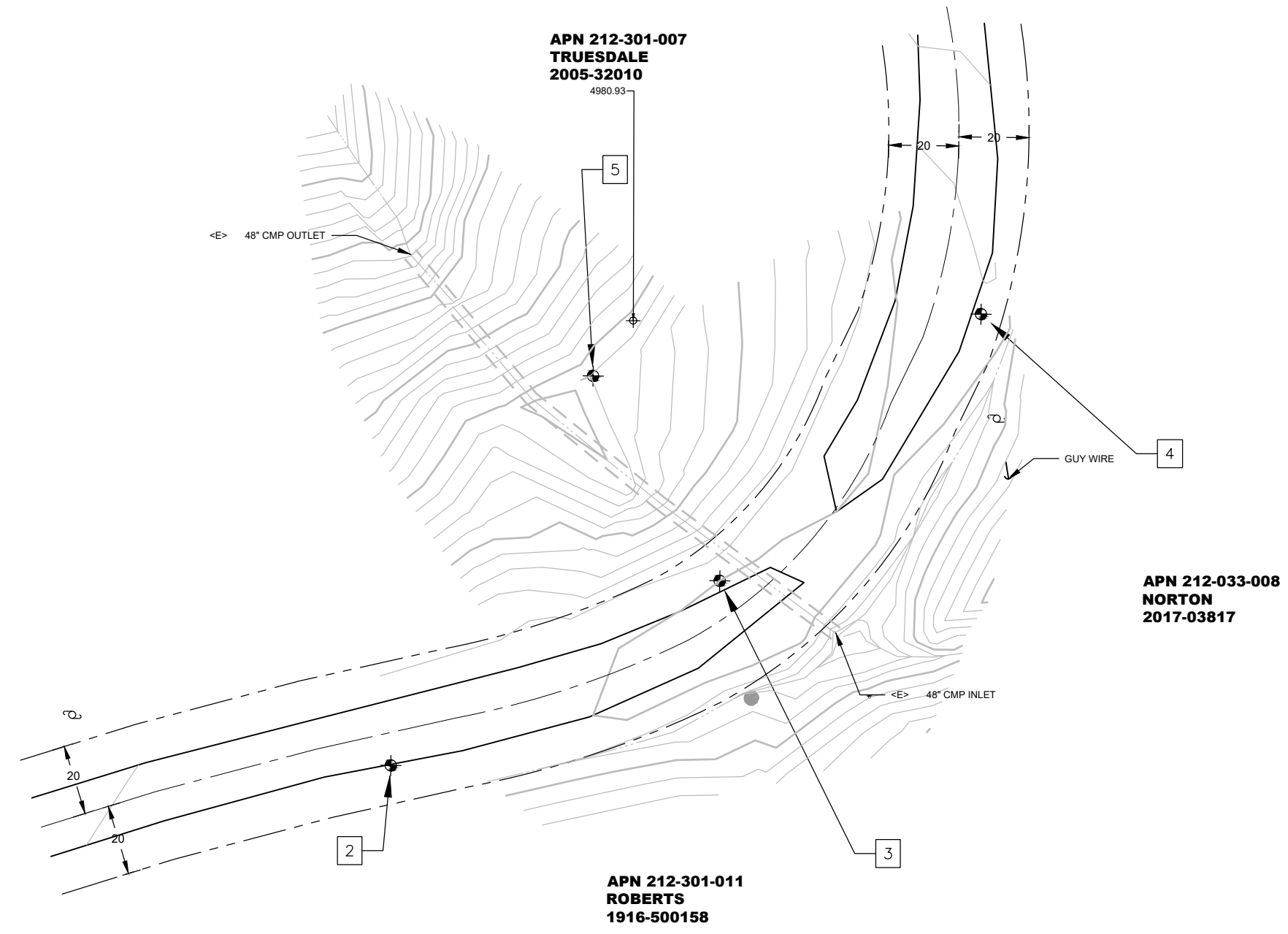
**SURVEY NOTES:**

- The purpose of this survey is to determine topography for a storm damage road repair site at PM 2.6 of Thomas Road.
- Underground utilities research was not performed. We located utility poles & a downed telephone wire. The existence of other utilities is unknown.
- Only trees greater than 12 inches in diameter were located- other trees exist in surveyed area and are not shown.
- The basis of bearings shown hereon are based on holding a compass bearing of S60°W between point CP2 & CP3.
- The basis of elevations shown hereon is based upon an assumed elevation of 5000.00 feet at point CP3.
- The right of way in this area is prescriptive. The centerline of the present day road pavement is accepted as the centerline of the right-of-way being 40 feet wide, 20 feet each side of centerline.
- Distances shown hereon are in U.S. survey feet and decimals thereof.

**LEGEND**

- CONTROL POINT
- DITCH
- EDGE OF PAVEMENT
- APPROXIMATE ROAD CENTERLINE
- EDGE OF ROAD/GRAVEL
- OVERHEAD POWER WIRE
- APPROXIMATE LOCATION OF RIGHT OF WAY
- TOP OF BANK

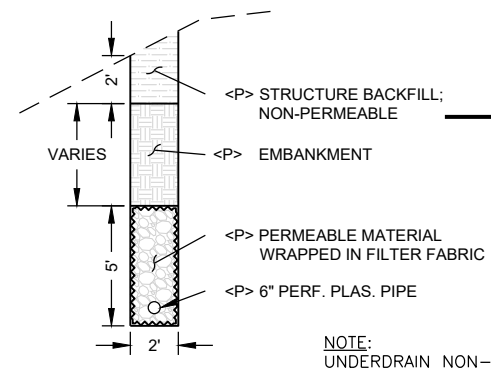
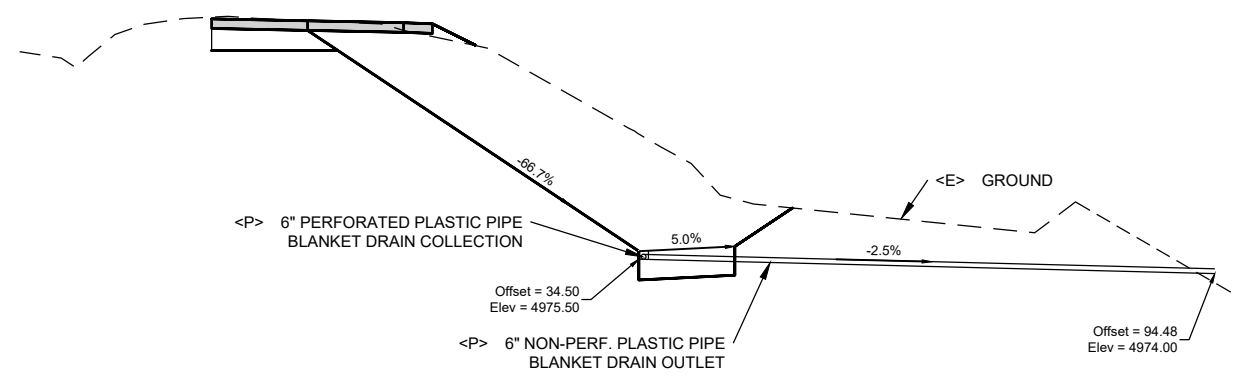
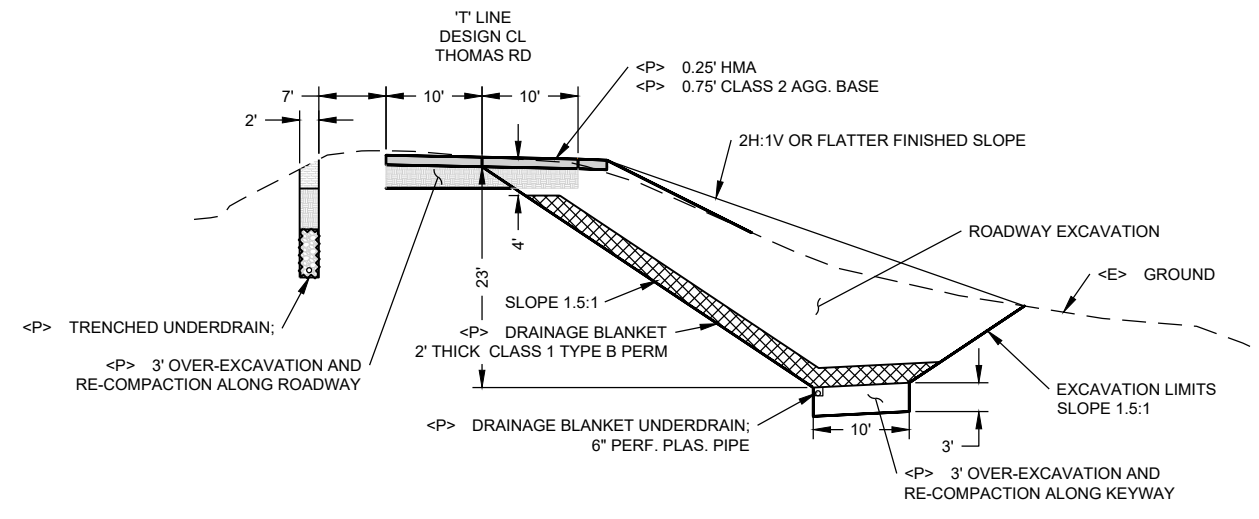
Point #	Raw Description	Northing	Easting	Elevation
1	SETGINSPIKE&HUMCO.CONTROLTAG	4901.38	4741.14	4995.44
2	SETGINSPIKE&HUMCO.CONTROLTAG	4946.20	4906.82	4999.32
3	SETGINSPIKE&HUMCO.CONTROLTAG	5000.00	5000.00	5000.00
4	SETGINSPIKE&HUMCO.CONTROLTAG	5076.96	5073.63	5009.93
5	SET80D&SHINER	5058.00	4963.17	4982.24





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	ROAD NO.: 6C040	ENGINEERING	
	FEMA PROJECT NO.: FEMA 4308 PW#1275	DESIGNED BY: JAB	
	CONTRACT NO.: 217397	DRAWN BY: JAB / RMD	
	MILE POST: 2.60	REVIEWED BY: ENGR	
		APPROVED BY: TRS	
	DRAWING FILE NAME: 217397 TRd CDSN260		
	PLOT DATE: 06/16/2022	REVISION DATE:	

SHEET  
**6**  
OF  
**11**

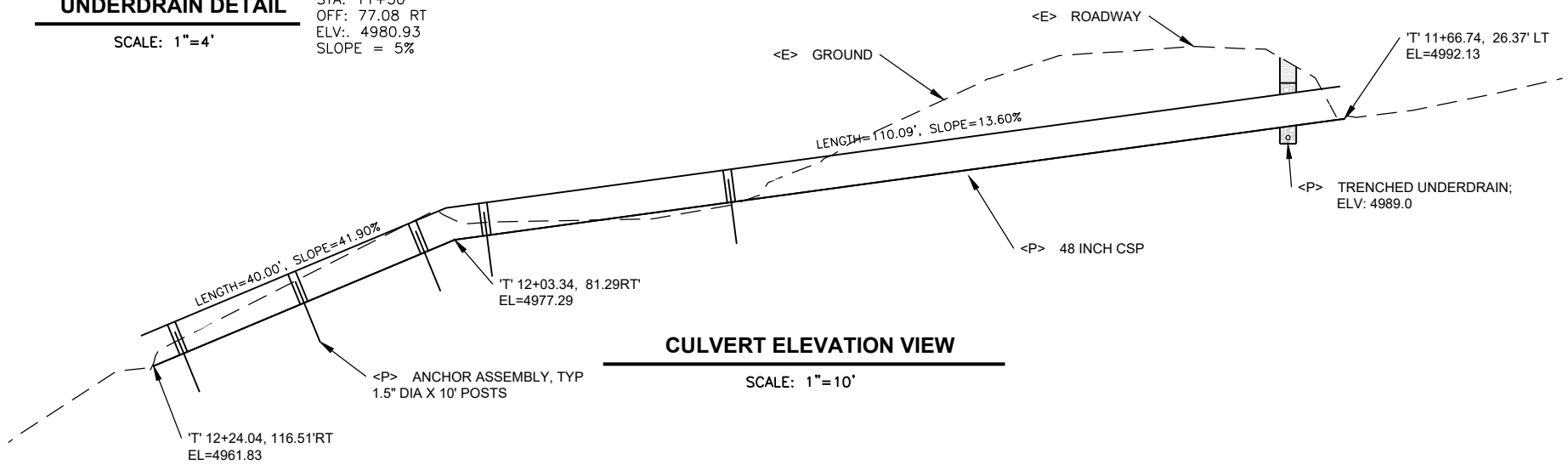


**NOTE:**  
 UNDERDRAIN NON-PERF. PLAS  
 PIPE OUTLET LOCATION:  
 STA: 11+30  
 OFF: 77.08 RT  
 ELV: 4980.93  
 SLOPE = 5%

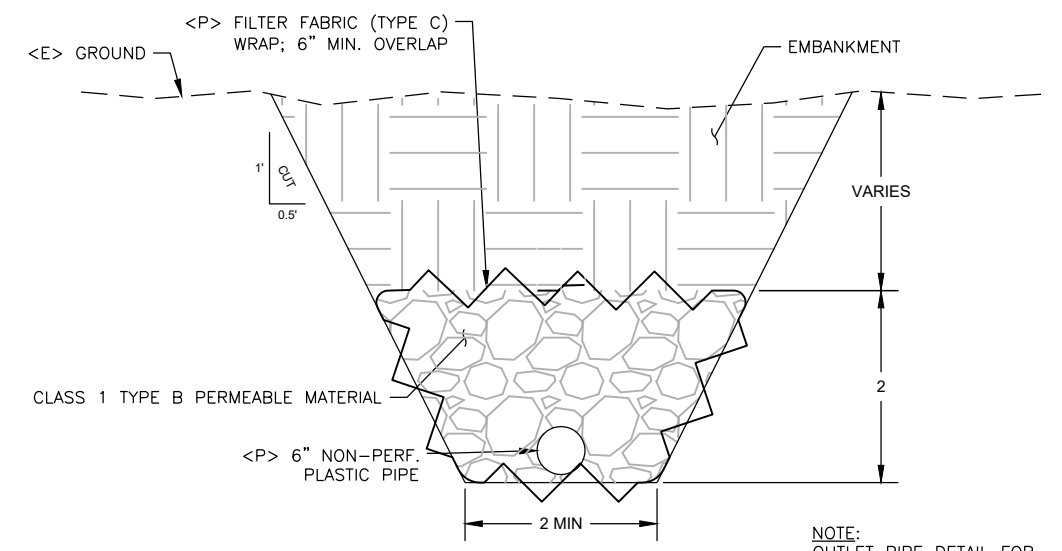
**UNDERDRAIN DETAIL**  
 SCALE: 1"=4'

**PM 2.60 TYPICAL SECTION**  
 SCALE: 1"=10'

**BLANKET DRAINAGE OUTLET DETAIL**  
 SCALE: 1"=10'



**CULVERT ELEVATION VIEW**  
 SCALE: 1"=10'



**OUTLET PIPE DETAIL**  
 SCALE: 1" = 1'

**NOTE:**  
 OUTLET PIPE DETAIL FOR  
 BLANKET DRAINAGE ONLY



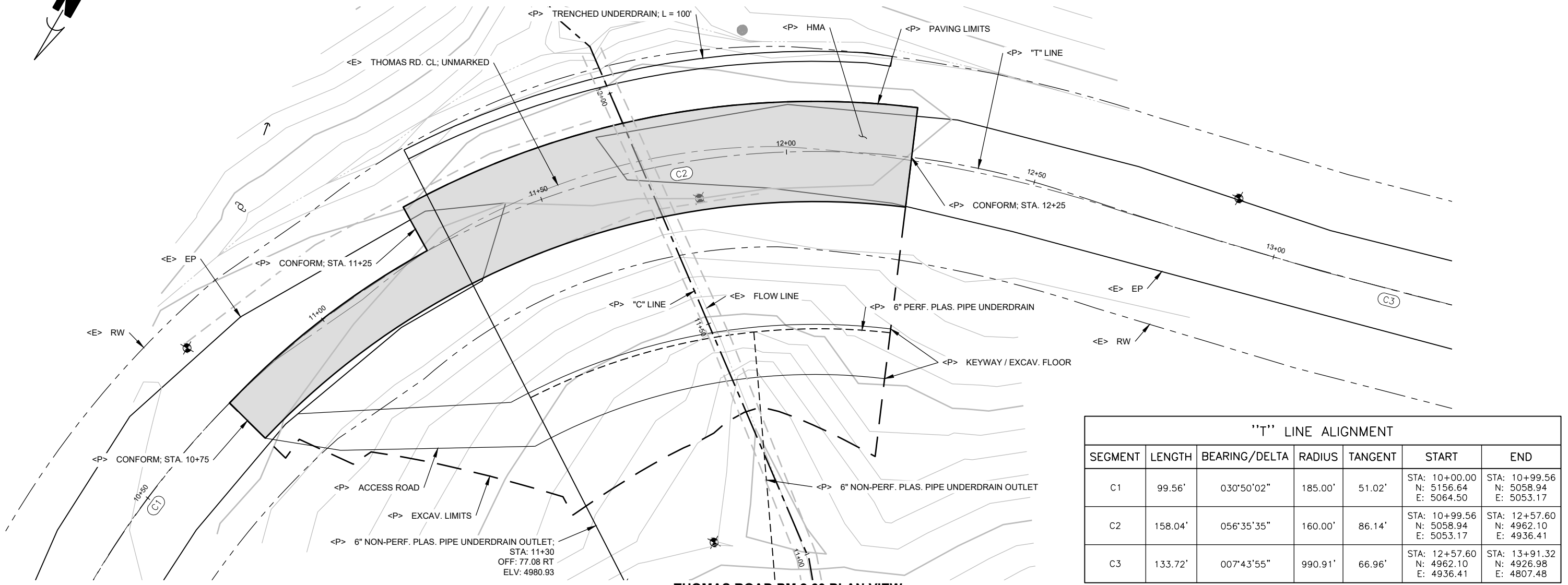
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 ROAD NO.: 6C040  
 MILE POST: 2.60  
 FEMA PROJECT NO.: FEMA 4308 PW#1275  
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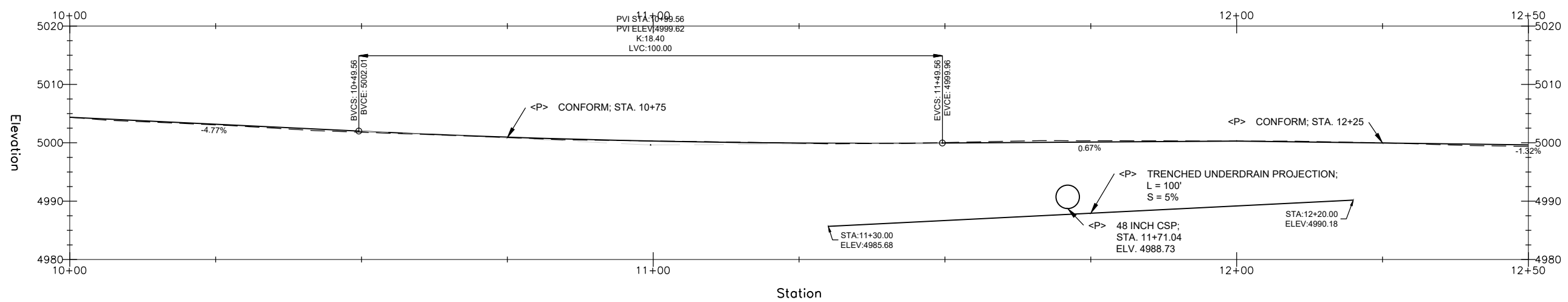
DESIGN SECTION  
 ENGINEERING  
 DESIGNED BY: JAB  
 DRAWN BY: JAB / RMD  
 REVIEWED BY: ENGR  
 APPROVED BY: TRS

COUNTY OF HUMBOLDT  
 DEPARTMENT OF PUBLIC WORKS  
 STORM DAMAGE REPAIR TO THOMAS ROAD PM 2.60  
 PLAN AND PROFILE PM 2.60

SHEET  
**7**  
 OF  
**11**



"T" LINE ALIGNMENT						
SEGMENT	LENGTH	BEARING/DELTA	RADIUS	TANGENT	START	END
C1	99.56'	030°50'02"	185.00'	51.02'	STA: 10+00.00 N: 5156.64 E: 5064.50	STA: 10+99.56 N: 5058.94 E: 5053.17
C2	158.04'	056°35'35"	160.00'	86.14'	STA: 10+99.56 N: 5058.94 E: 5053.17	STA: 12+57.60 N: 4962.10 E: 4936.41
C3	133.72'	007°43'55"	990.91'	66.96'	STA: 12+57.60 N: 4962.10 E: 4936.41	STA: 13+91.32 N: 4926.98 E: 4807.48

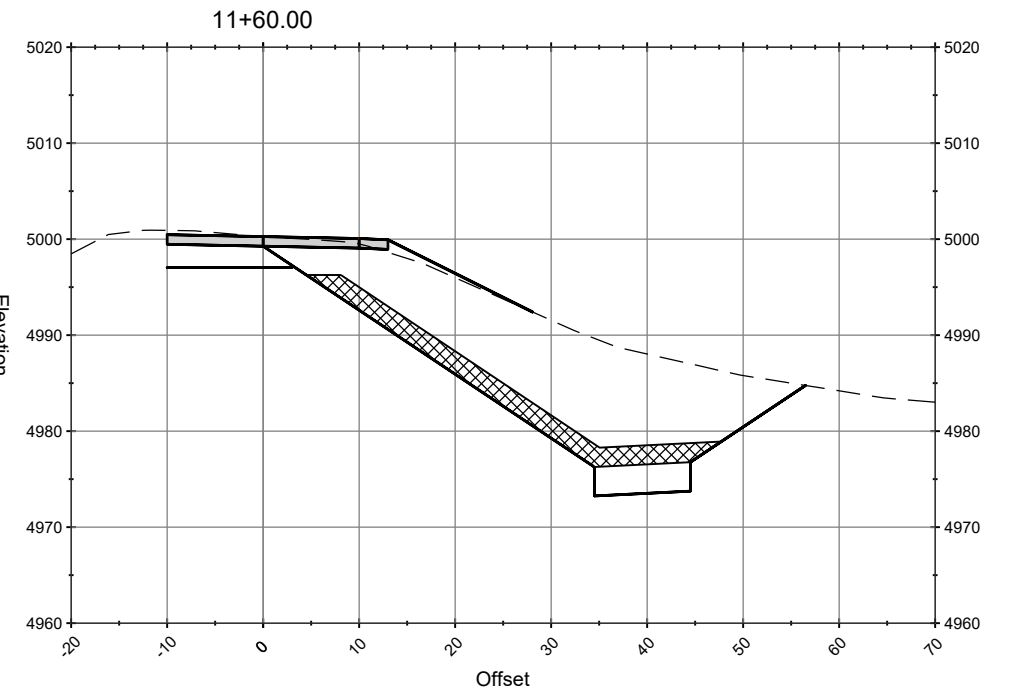
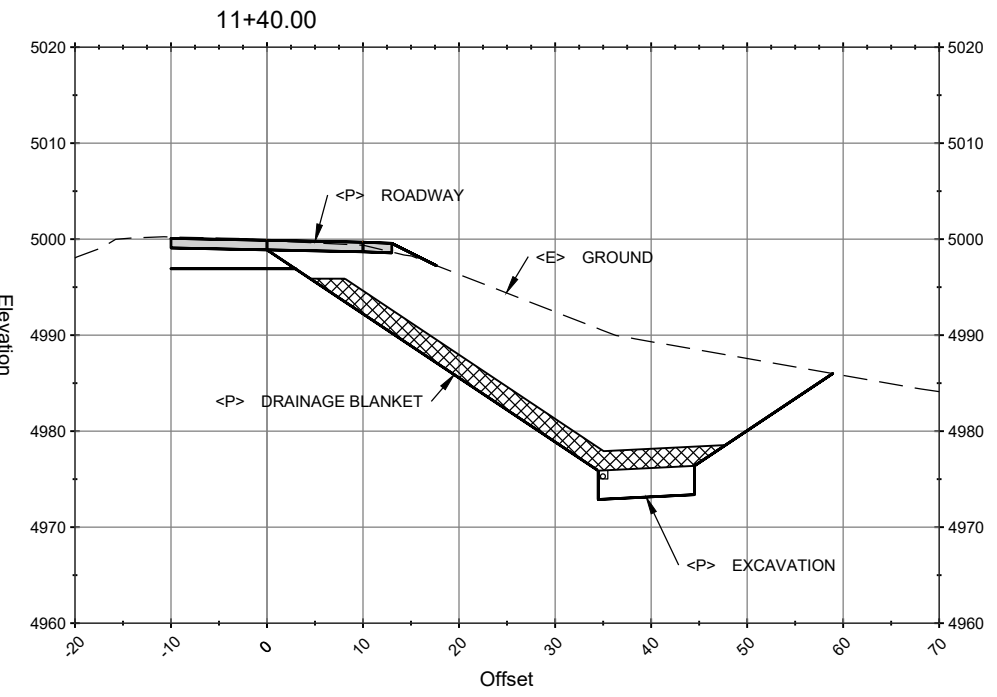
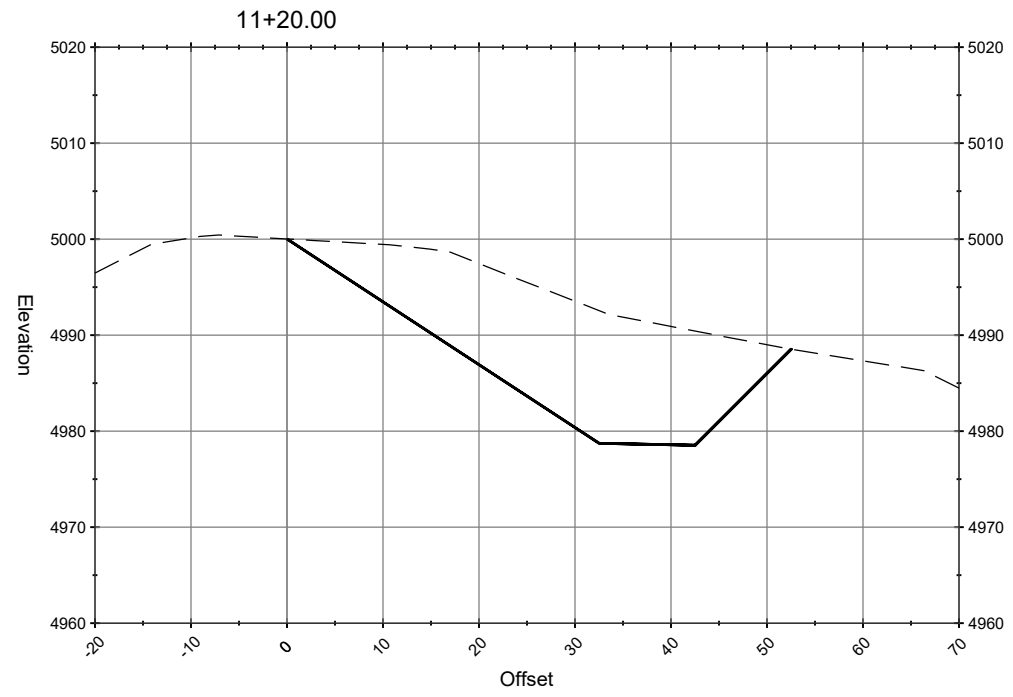
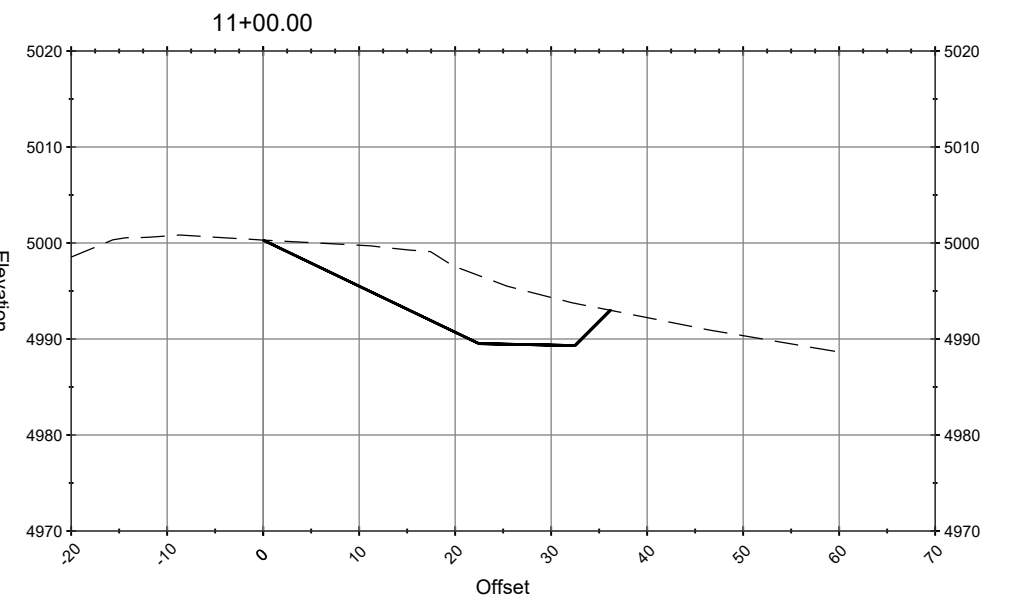
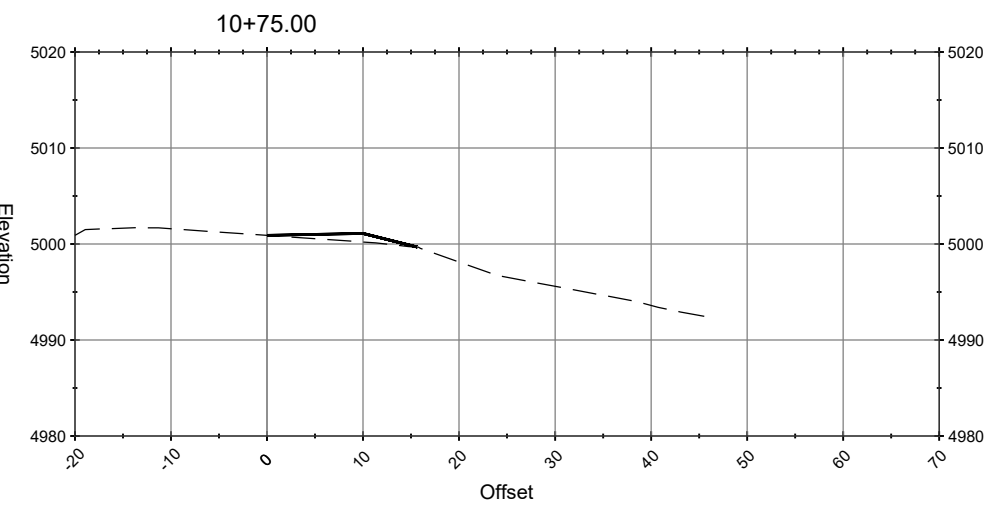
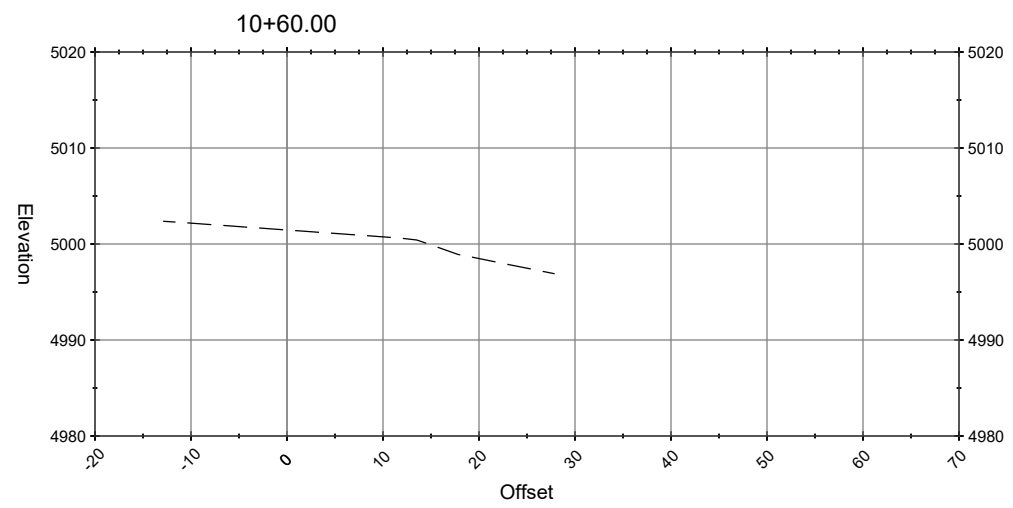




BAR IS ONE INCH ON ORIGINAL DRAWING	ROAD NAME: THOMAS ROAD	DESIGN SECTION
IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NO.: 6C040	ENGINEERING
	MILE POST: 2.60	DESIGNED BY: JAB
	FEMA PROJECT NO.: FEMA 4308 PW#1275	DRAWN BY: JAB / RMD
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	PLOT DATE: 06/16/2022	REVISION DATE:

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS
STORM DAMAGE REPAIR TO THOMAS ROAD PM 2.60
CROSS SECTIONS PM 2.60

SHEET  
**8**  
OF  
**11**



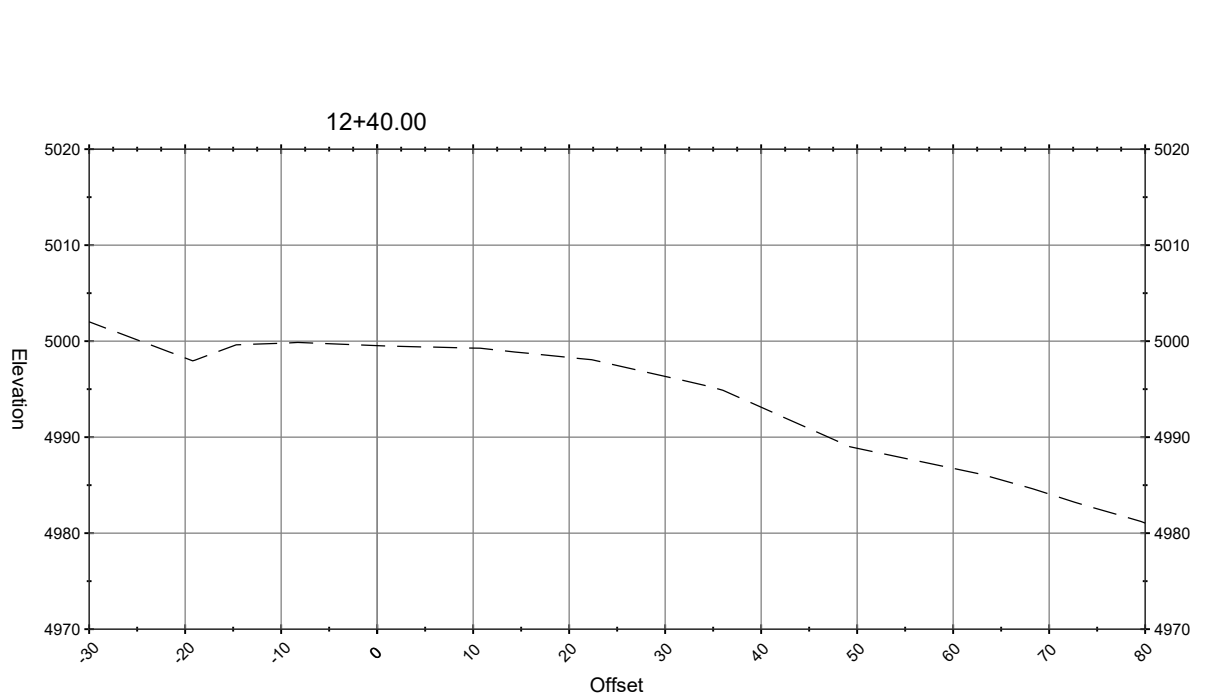
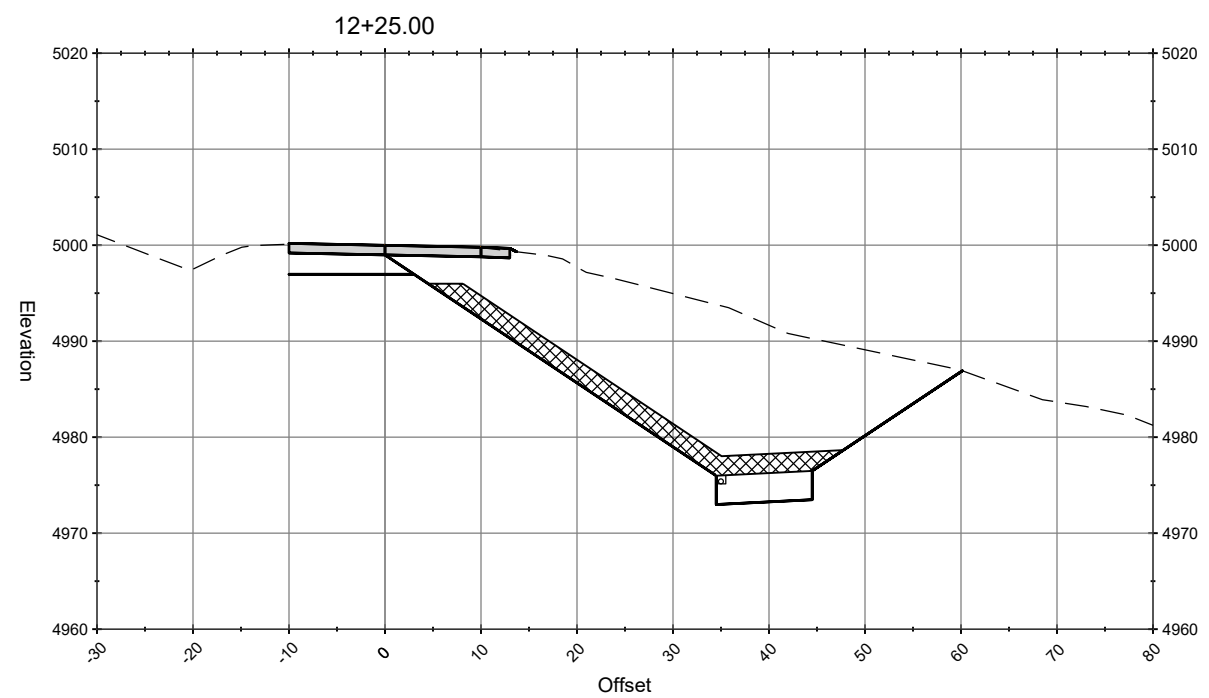
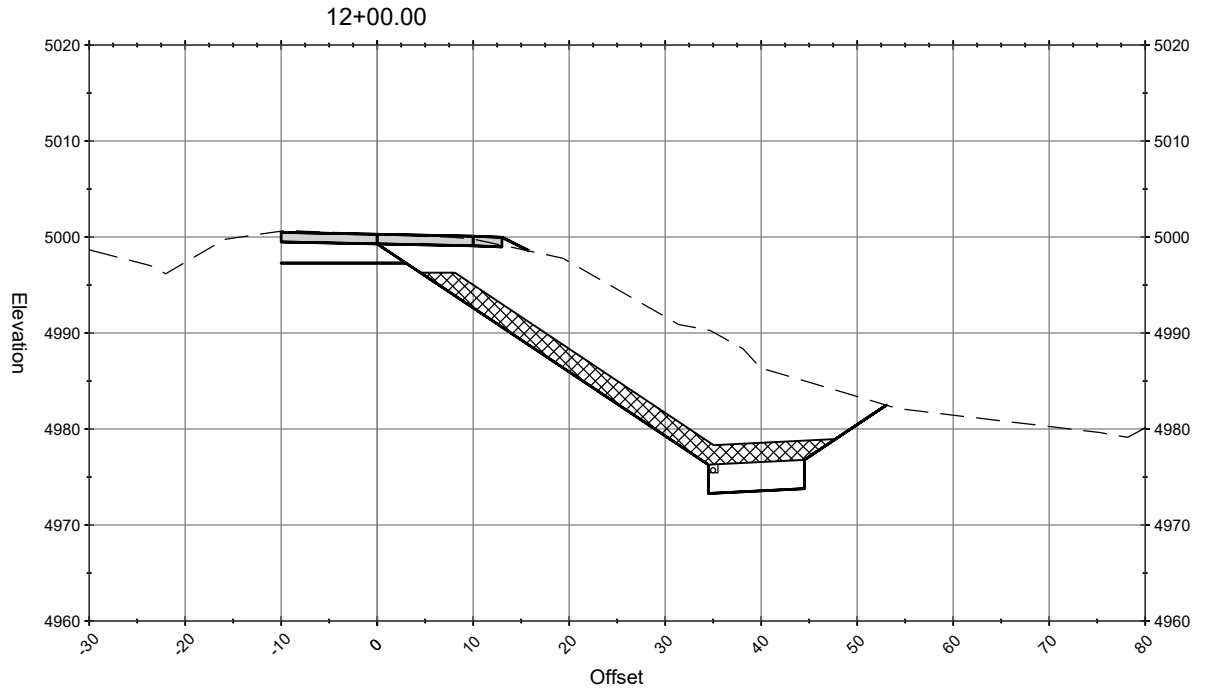
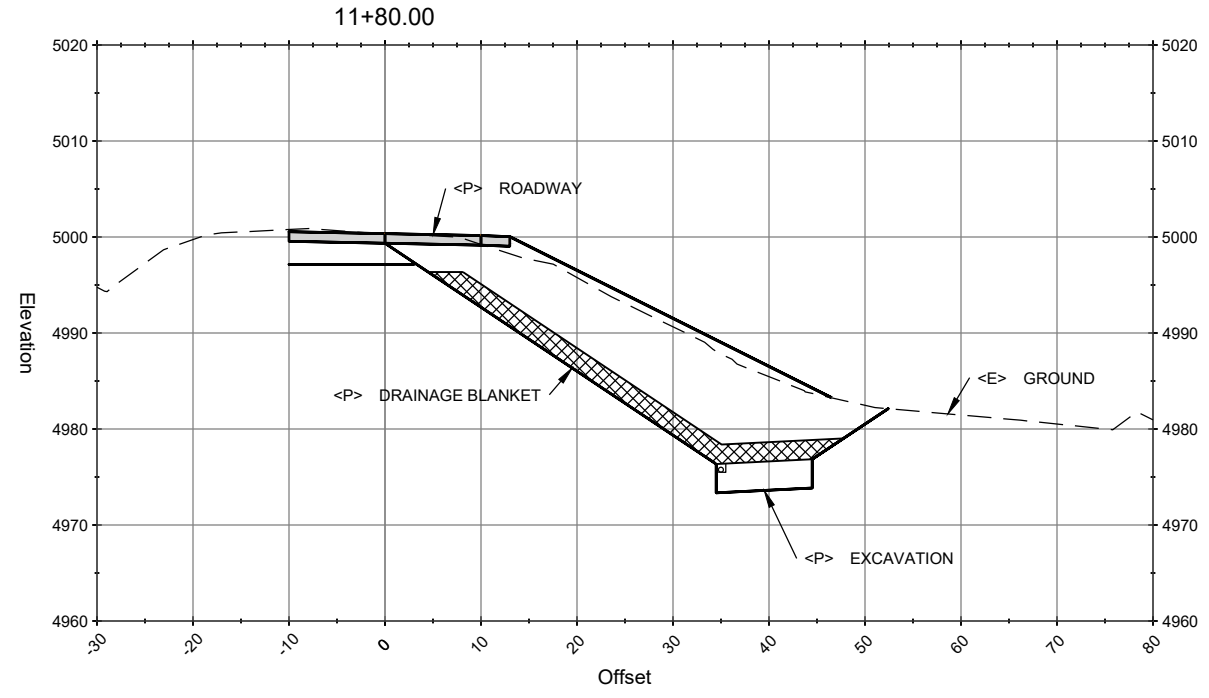
**THOMAS ROAD PM 2.60 CROSS SECTIONS**  
SCALE: 1"=10'





BAR IS ONE INCH ON ORIGINAL DRAWING  IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: THOMAS ROAD	DESIGN SECTION	
	ROAD NO.: 6C040	MILE POST: 2.60	ENGINEERING
	FEMA PROJECT NO.: FEMA 4308 PW#1275	DESIGNED BY: JAB	
	CONTRACT NO.: 217397	DRAWN BY: JAB / RMD	
	DRAWING FILE NAME: 217397 TRd CDSN260	REVIEWED BY: ENGR	
PLOT DATE: 06/16/2022	REVISION DATE:	APPROVED BY: TRS	

COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS	STORM DAMAGE REPAIR TO THOMAS ROAD PM 2.60	SHEET <b>9</b> OF <b>11</b>		
			CROSS SECTIONS PM 2.60	



**THOMAS ROAD PM 2.60 CROSS SECTIONS**  
SCALE: 1"=10'



BAR IS ONE INCH ON ORIGINAL DRAWING  IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: THOMAS ROAD	DESIGN SECTION	<b>COUNTY OF HUMBOLDT</b> <b>DEPARTMENT OF PUBLIC WORKS</b>  <b>STORM DAMAGE REPAIR TO THOMAS ROAD PM 2.86</b>  <b>SURVEY CONTROL</b>	SHEET <b>10</b> OF <b>11</b>	
	ROAD NO: 6C040	MILE POST: 2.86			ENGINEERING
	PROJECT NO.: FEMA-4308-DR-CA PW-01031(0)	DESIGNED BY: JAB			DRAWN BY: RMD
	CONTRACT NO.: 217398	REVIEWED BY: JAB			APPROVED BY: TRS
	DRAWING FILE NAME: 217398 TRd CDSN286				
	PLOT DATE: 06/16/2022	REVISION DATE:			

**BASIS OF BEARINGS NOTE**

THE BEARINGS ARE BASED ON TIES BETWEEN THE CONTROL POINT #101 AND CONTROL POINT #102 WITH A COMPASS BEARING OF N57°00'00"E. COORDINATE SYSTEM IS ASSUMED WITH CONTROL POINT #101 BEING 5,000 NORTHING AND 10,000 EASTING.

**ELEVATION NOTE**

ELEVATIONS ARE BASED UPON THE ASSUMED ELEVATION OF CONTROL POINT #101 BEING 5000.00'.

**RIGHT OF WAY NOTE**

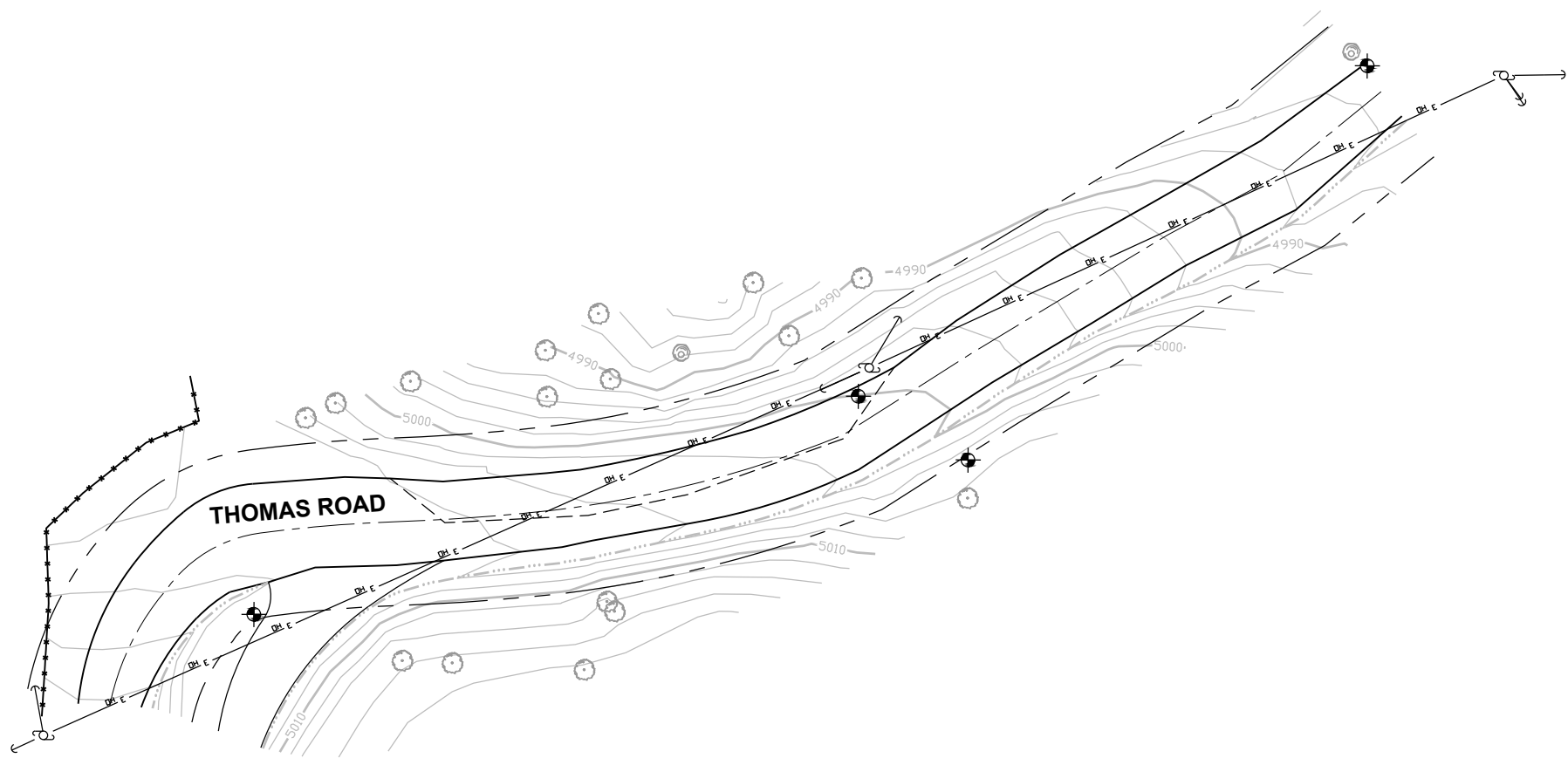
THE RIGHT OF WAY FOR THIS PROJECT IS PRESCRIPTIVE. THE CENTERLINE OF THE PRESENT DAY ROAD PAVEMENT IS ACCEPTED AS THE CENTERLINE OF THE RIGHT-OF-WAY BEING 40', 20' EACH SIDE OF CENTERLINE.

**SURVEY NOTE**

1. THE PURPOSE OF THIS SURVEY IS TO DETERMINE TOPOGRAPHY FOR A STORM DAMAGE ROAD REPAIR.
2. UNDERGROUND UTILITIES RESEARCH WAS NOT PERFORMED. ONLY VISIBLE UTILITIES WERE TIED AT THE TIME OF THIS SURVEY.
3. THERE MAY BE SYMBOLS SHOWN IN THE LEGEND THAT ARE NOT USED IN THIS SURVEY.

**LINE LEGEND**

- ROAD CENTERLINE
- - - RIGHT OF WAY
- ..... FLOW LINE
- EDGE OF PAVEMENT
- - - - - AC CRACK



Point #	Raw Description	Northing	Easting	Elevation
101	CP/MAG&TAGHUMCOSURVEY	5000.00	10000.00	5000.00
102	CP/GS&TAGHUMCOSURVEY	5078.90	10121.50	4985.32
103	CP/80D&TAGHUMCOSURVEY	4947.90	9855.70	5007.64
104	CP/RCHUMCOSURVEY	4984.78	10026.20	5005.27

Symbol	Description	Symbol	Description	Symbol	Description
⊙	BOLLARD	Ⓜ	MAILBOX	Ⓧ	STORM DRAIN MANHOLE
Ⓧ	ELECTRIC MANHOLE	Ⓟ	PUSH BUTTON PEDESTRIAN POST	Ⓢ	STUMP
Ⓢ	FIRE HYDRANT	Ⓡ	RISER	Ⓣ	TREE
Ⓡ	FOUND MONUMENT	ⓈC	SANITARY SEWER CLEANOUT	ⓊV	UNDERGROUND VAULT
ⓈC	GAS VALVE	ⓈS	SANITARY SEWER MANHOLE	ⓊL	UNDERGROUND LARGE VAULT
ⓈS	GUY	ⓈP	CONTROL POINT	ⓊU	JOINT USE UTILITY POLE
ⓈP	GUY POLE	Ⓢ	SIGN	ⓊM	WATER METER
Ⓢ	LID- UTILITY-TYPE IN POINT CODE	ⓈP	SIGNAL POLE	ⓊV	WATER VALVE
ⓈP	LUMINAIRE POLE				





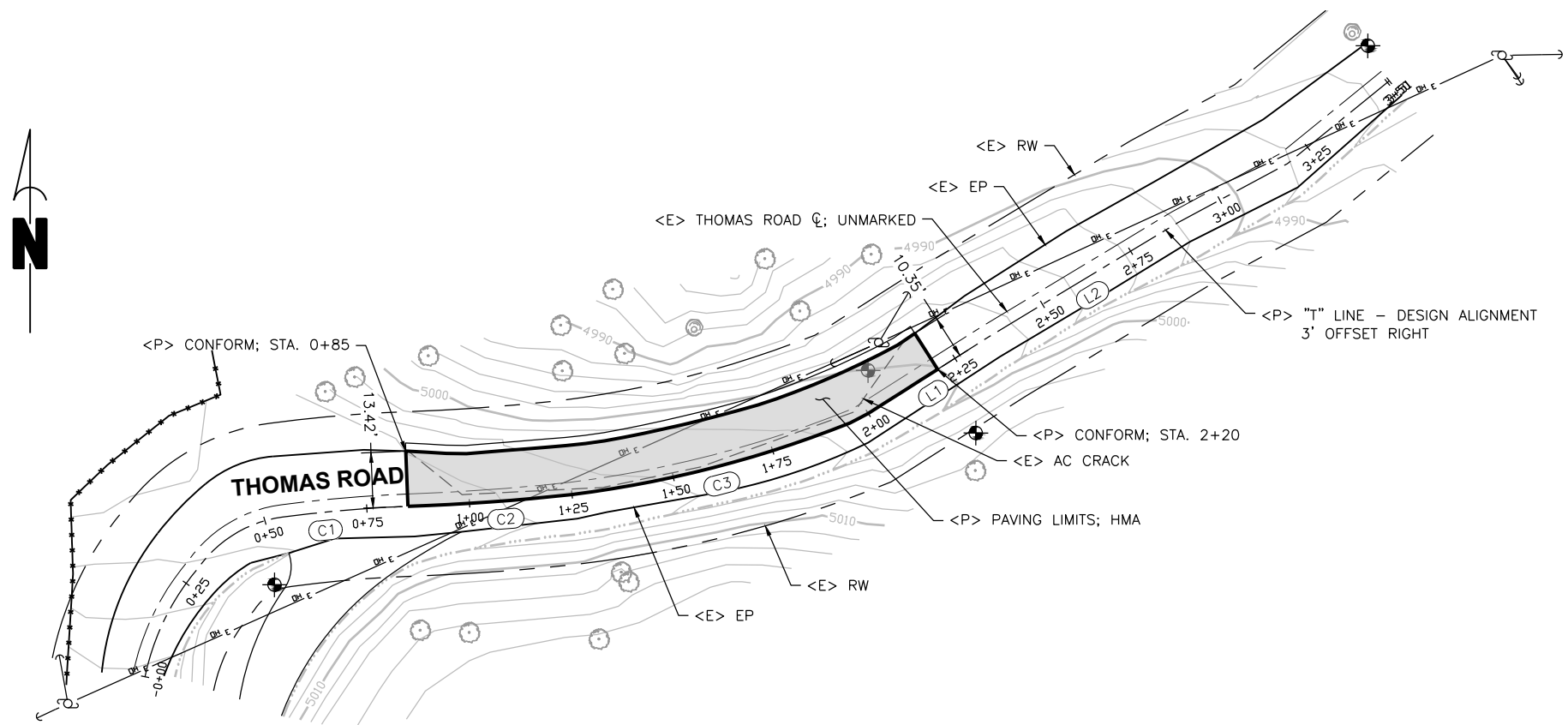
BAR IS ONE INCH ON ORIGINAL DRAWING  
 IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY

ROAD NAME: THOMAS ROAD  
 ROAD NO.: 6C040 MILE POST: 2.86  
 PROJECT NO.: FEMA-4308-DR-CA PW-01031(0)  
 CONTRACT NO.: 217398  
 DRAWING FILE NAME: 217398 TRd CDSN286  
 PLOT DATE: 06/16/2022 REVISION DATE:

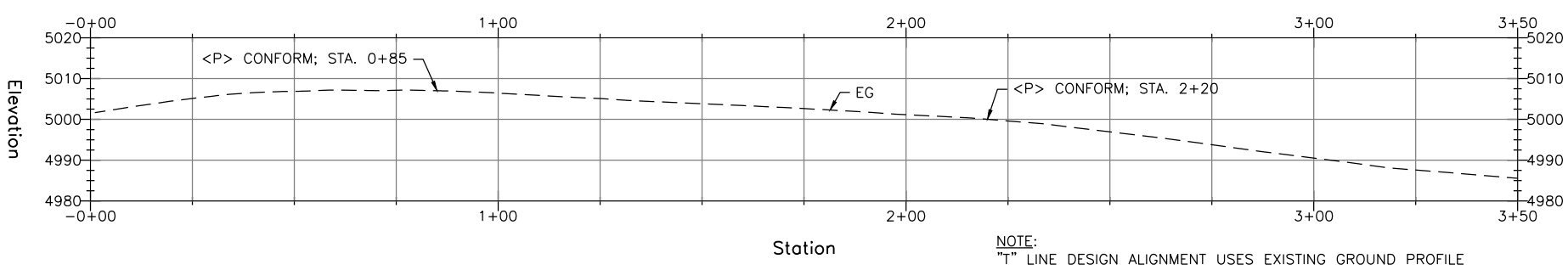
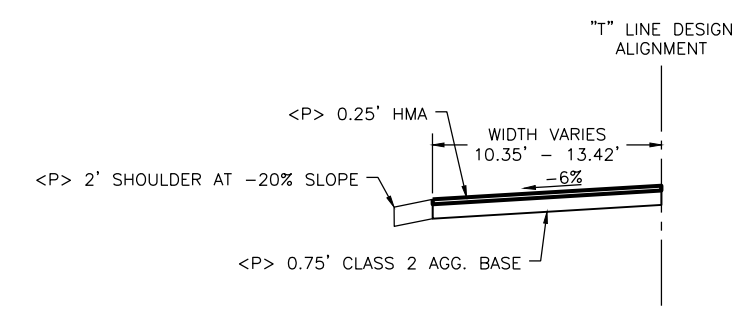
DESIGN SECTION  
 ENGINEERING  
 DESIGNED BY: JAB  
 DRAWN BY: RMD  
 REVIEWED BY: JAB  
 APPROVED BY: TRS

COUNTY OF HUMBOLDT  
 DEPARTMENT OF PUBLIC WORKS  
 STORM DAMAGE REPAIR TO THOMAS ROAD PM 2.86  
**PLAN & PROFILE VIEWS, ALIGNMENT DATA AND TYPICAL SECTIONS**

SHEET  
**11**  
 OF  
**11**



"T" LINE DESIGN ALIGNMENT						
SEGMENT	LENGTH	BEARING/Delta	RADIUS	TANGENT	START	END
C1	31.55'	005°27'26"	331.19'	15.78'	STA: 0+54.41 N: 4964.35 E: 9857.67	STA: 0+85.96 N: 4966.98 E: 9889.09
C2	38.81'	004°11'50"	529.76'	19.41'	STA: 0+85.96 N: 4966.98 E: 9889.09	STA: 1+24.77 N: 4969.80 E: 9927.79
C3	72.50'	015°07'14"	274.71'	36.46'	STA: 1+24.77 N: 4969.80 E: 9927.79	STA: 1+97.26 N: 4988.04 E: 9997.73
L1	37.40'	N57°32'31"E			STA: 1+97.26 N: 4988.04 E: 9997.73	STA: 2+34.67 N: 5008.12 E: 10029.29
L2	53.82'	N58°53'28"E			STA: 2+34.67 N: 5008.12 E: 10029.29	STA: 2+88.48 N: 5035.92 E: 10075.37



NOTE:  
 "T" LINE DESIGN ALIGNMENT USES EXISTING GROUND PROFILE FOR THE VERTICAL BASELINE.

