



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 LOWER CAPPELL ROAD [7Q302] AT P.M. 1.49  
FEMA 4308-DR-CA PW-0679  
CONTRACT NO. 217385

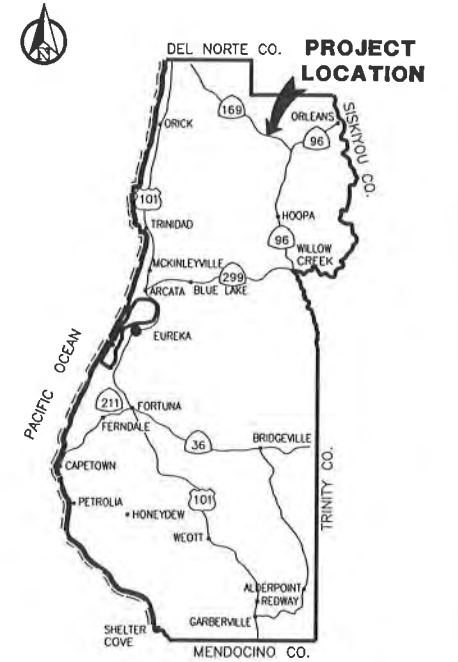
BAR IS ONE INCH ON ORIGINAL DRAWING  IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: LOWER CAPPELL ROAD	DESIGN SECTION R. L. BURNETT	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS LOWER CAPPELL ROAD PM 1.49 COVER SHEET, LOCATION MAP AND VICINITY MAP	SHEET <b>1</b> OF <b>7</b>
	ROAD NO: 70302	MILE POST: 1.49		
	AGREEMENT NO: FEMA 4308-DR-CA PW-0679	DESIGNED BY: MDL		
	CONTRACT NO: 217385	DRAWN BY: MDL		
	DRAWING FILE NAME: L:\projects\2017 Storm Damage\LowerCappel Rd PM 1.49\Drawings\CS200.dwg	REVIEWED BY: JAB		
	PLOT DATE: 1/28/2019	APPROVED BY: ARS		

INDEX OF SHEETS

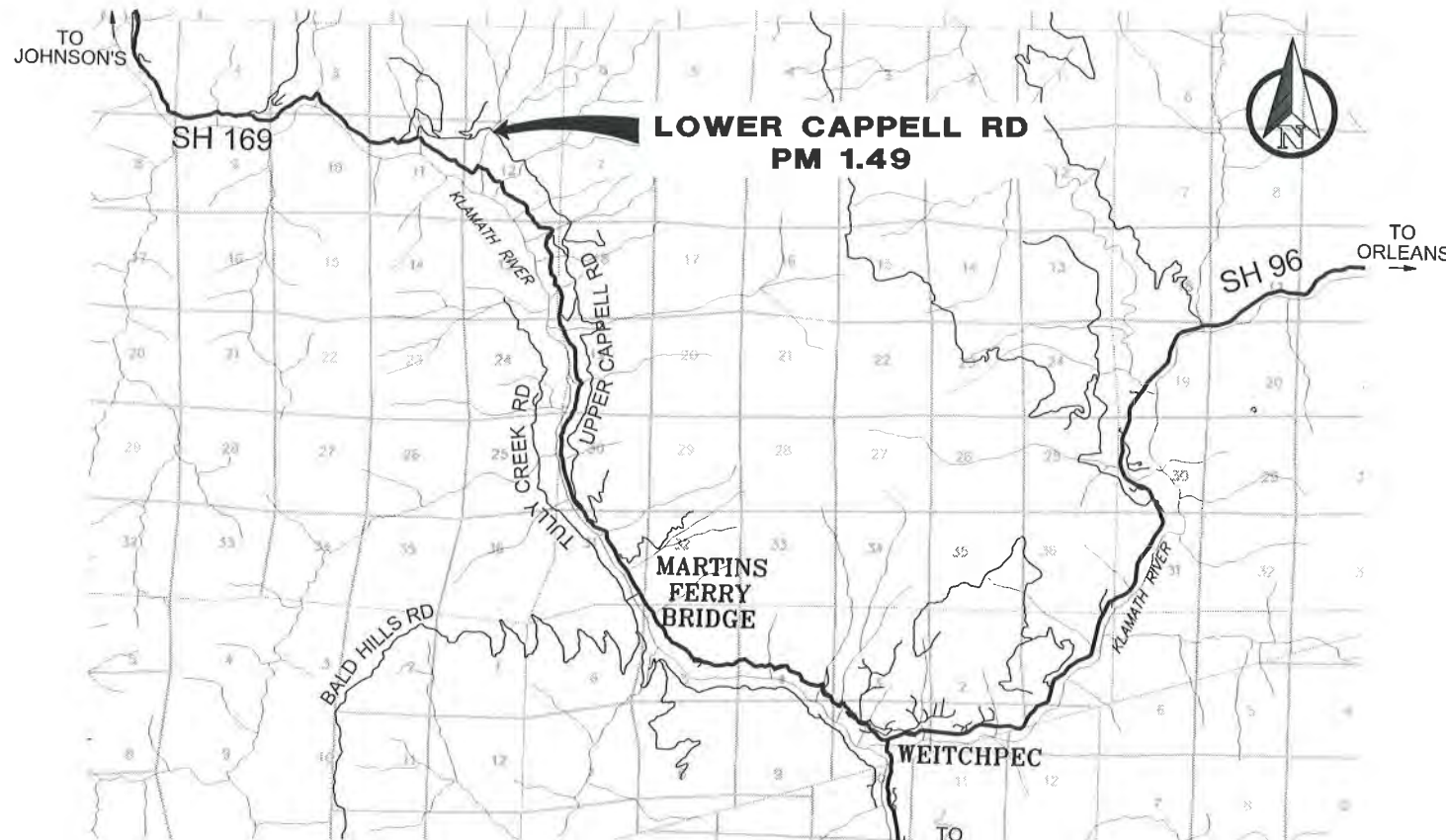
- 1 COVER SHEET, LOCATION MAP AND VICINITY MAP
- 2 CONSTRUCTION AREA SIGNS, QUANTITIES AND DETAILS
- 3 PLAN OVERVIEW, TYPICAL SECTIONS AND DETAILS
- 4 WELDED WIRE WALL LAYOUT
- 5-7 CROSS SECTIONS

NOTES

THE CONTRACTOR SHALL HAVE A CLASS "A" LICENSE FOR THIS PROJECT.  
 REFERENCE TO CALTRANS STANDARD PLANS AND SPECIFICATIONS DATED 2018.  
 (SEE APPLICABLE STANDARD PLAN LIST IN SPECIAL PROVISIONS)



LOCATION MAP  
SCALE: 1"=10± MILE



PROJECT VICINITY MAP  
SCALE: 1"=5280'

RECOMMENDED

*Jeffrey A. Ball* 1/29/19  
 JEFFREY A. BALL DATE  
 RCE 70631, EXP. 6/30/2019



APPROVED

*Tony R. Seghetti* 1/29/19  
 TONY R. SEGHETTI DATE  
 RCE 63174, EXP. 9/30/2019



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

**QUANTITIES**

ITEM NO.	ITEM CODE	ITEM DESCRIPTION	UNIT	QUANTITY
1	120090	Construction Area Signs	EA	12
2	120100	Traffic Control System	LS	1
3	129000	Temporary Railing (Type K)	LF	160
4	130100	Job Site Management	LS	1
5	130200	Water Pollution Control Program	LS	1
6	130680	Temporary Silt Fence	LF	150
7	160102	Clearing and Grubbing (LS)	LS	1
8	190101	Roadway Excavation	CY	34
9	192037	F Structure Excavation (Retaining Wall)	CY	406
10	193013	F Structure Backfill (Retaining Wall)	CY	315
11	193031	F Pervious Backfill Material (Retaining Wall)	CY	120
12	198001	Imported Borrow	CY	100
13	198050	Embankment	CY	130
14	203021	Fiber Rolls	LF	300
15	210430	Hydroseed	SF	3,000
16	260400	1.5" Minus Crushed Rock (CY)	CY	90
17	477020	Mechanically Stabilized Embankment (MSE Wall)	SF	992
18	680902	6" Perforated Plastic Pipe Underdrain	LF	120
19	680903	6" Non-Perforated Plastic Pipe Underdrain	LF	20
20	820108	Delimitor (Class 2 ) Metal Retroreflective	EA	8
21	999990	Mobilization	LS	1

*Tony Sig...*  
 DATE: 1/29/19

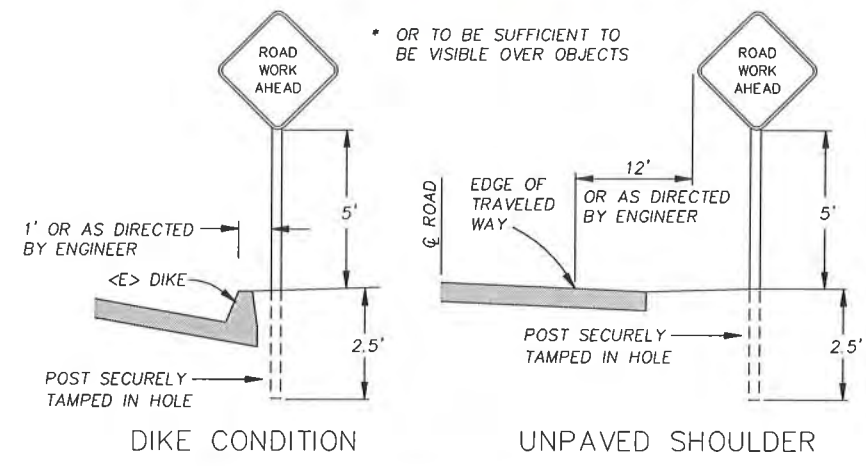
ROAD NAME: LOWER CAPPELL ROAD	DESIGN SECTION: R. L. BURNETT	COUNTY OF HUMBOLDT	SHEET <b>2</b> OF <b>7</b>
ROAD NO: 70302	MILE POST: 1.49	DEPARTMENT OF PUBLIC WORKS	
AGREEMENT NO: FEWA 4308-OR-CA PW-0679	DESIGNED BY: MDL	LOWER CAPPELL ROAD PM 1.49	
CONTRACT NO: 217385	DRAWN BY: MDL	CONSTRUCTION AREA SIGNS, QUANTITIES AND DETAILS	
DRAWING FILE NAME: L:\projects\2017 Storm Damage\LowerCappell Rd PM 1.49\Drawings\027902.dwg	REVIEWED BY: JAB		
PLOT DATE: 1/26/2019	APPROVED BY: ARS		

**SURVEY CONTROL COORDINATE LIST**

PNT #	NORTHING	EASTING	EL	DESCRIPTION
50	20000.0000	50000.000	500.00	CP_SPK
51	19870.9873	50184.2492	511.70	CP_RBR_PP_PWS
52	20096.6220	49883.8779	487.37	CP_RBR_PP_PWS
53	20248.4829	49873.0755	475.67	CP_RBR_PP_PWS

**SURVEY NOTES**

- Horizontal and vertical datums are assumed. CP 50 was assumed with Northing 20000.00, Easting 50000.00, Elevation 500.00. A compass bearing was taken to CP 51 of S55°E to establish the Basis of Bearings.
- The project area falls within Assessor's Parcel 534-152-023, owned by Rethema Barber, located in Section 12, Township 10 North, Range 3 East per information obtained from DataTree.



**RURAL CONSTRUCTION AREA SIGN**

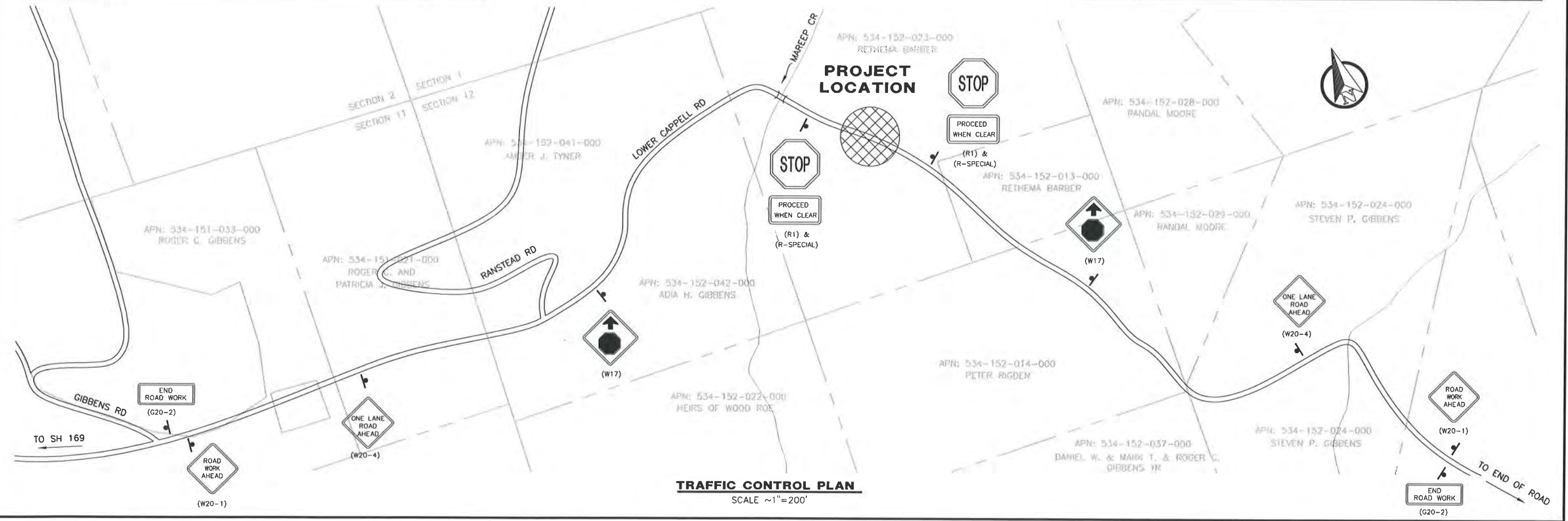
- NOT TO SCALE -

**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 OF POSTS
W20-1	2	ROAD WORK AHEAD	36" x 36"	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
W20-4	2	ONE LANE ROAD AHEAD	36" x 36"	VISIBLE AT ALL TIMES	4" x 4"	1
W17	2	STOP AHEAD	36" x 36"	VISIBLE AT ALL TIMES	4" x 4"	1
R1	2	STOP	36" x 36"	VISIBLE AT ALL TIMES	4" x 4"	1
R-SPECIAL	2	PROCEED WHEN CLEAR	18" x 36"	VISIBLE AT ALL TIMES		

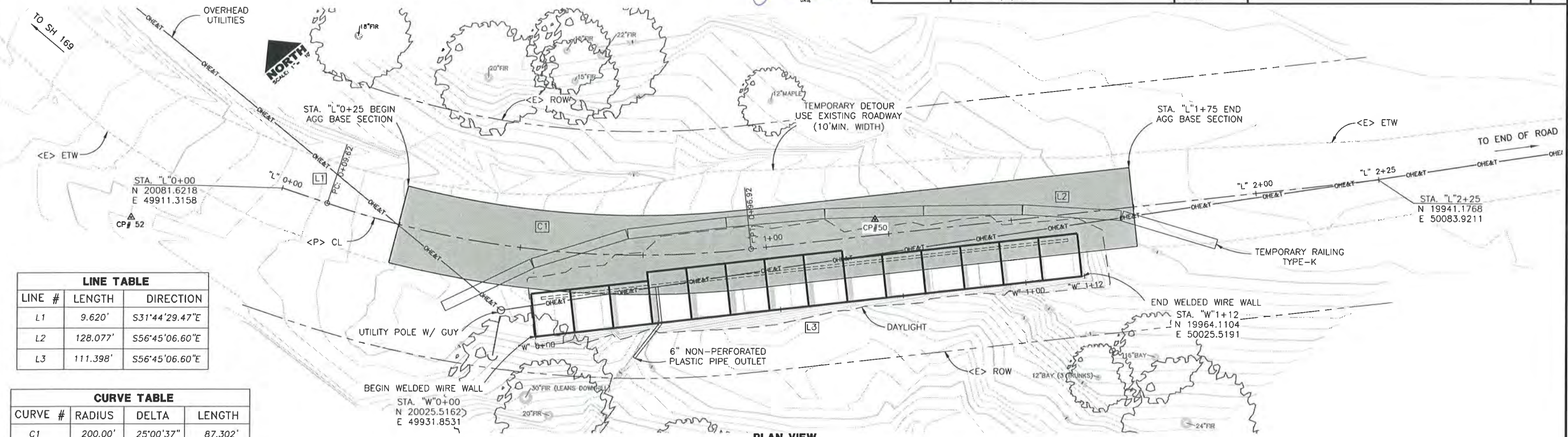


**TRAFFIC CONTROL PLAN**

SCALE ~1"=200'

1-29  
DATE

BAR IS ONE INCH ON ORIGINAL DRAWING  
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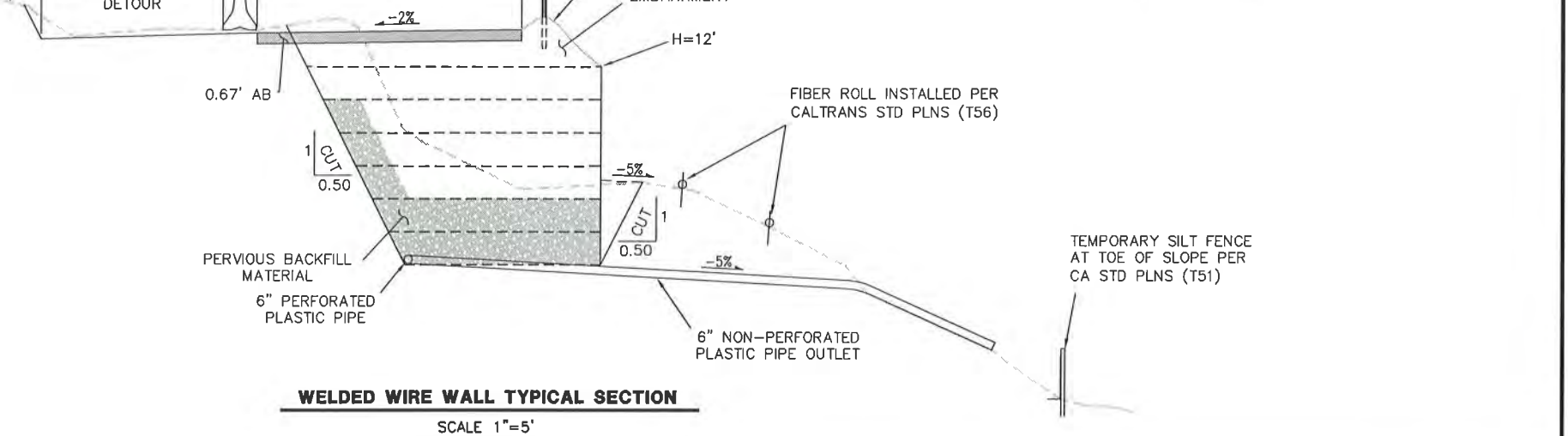
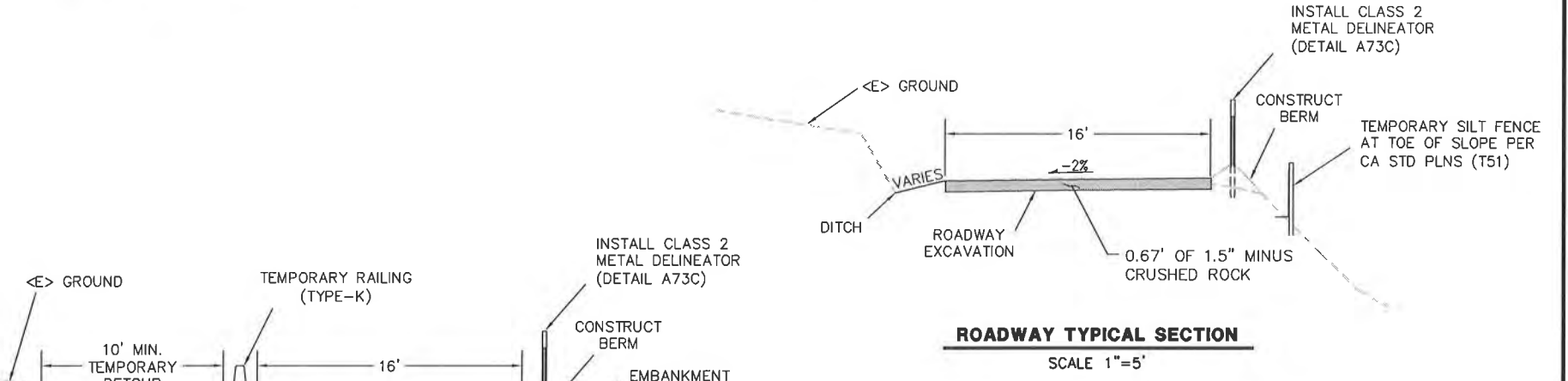
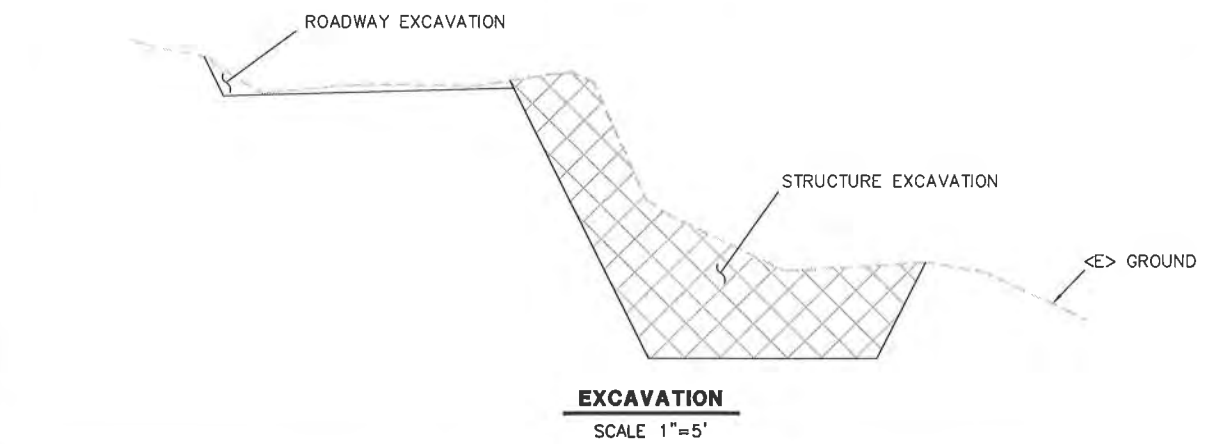
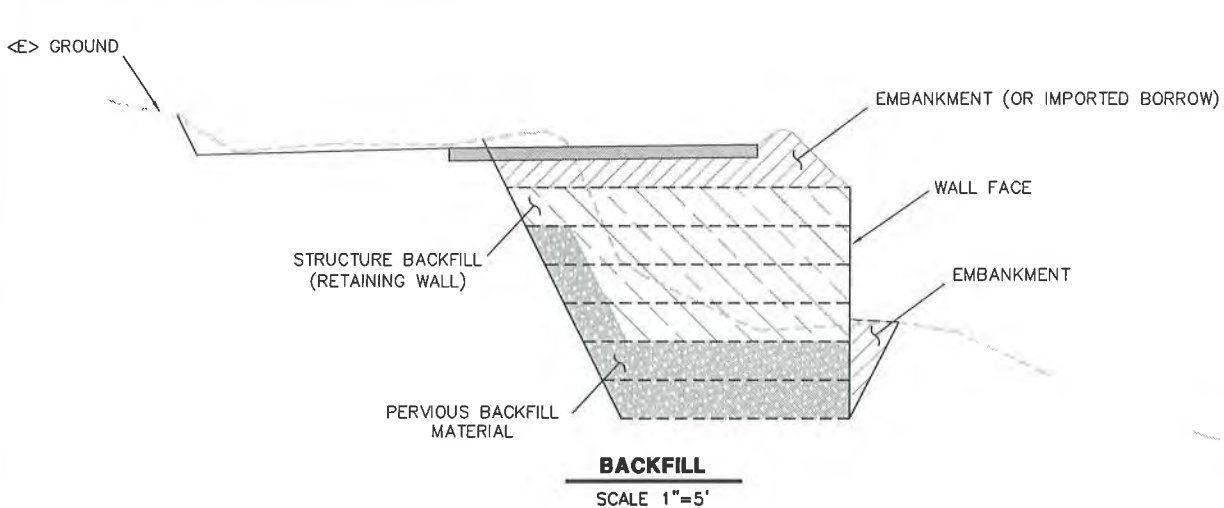


**LINE TABLE**

LINE #	LENGTH	DIRECTION
L1	9.620'	S31°44'29.47"E
L2	128.077'	S56°45'06.60"E
L3	111.398'	S56°45'06.60"E

**CURVE TABLE**

CURVE #	RADIUS	DELTA	LENGTH
C1	200.00'	25°00'37"	87.302'



*Tony...*  
 DATE 1-21-19

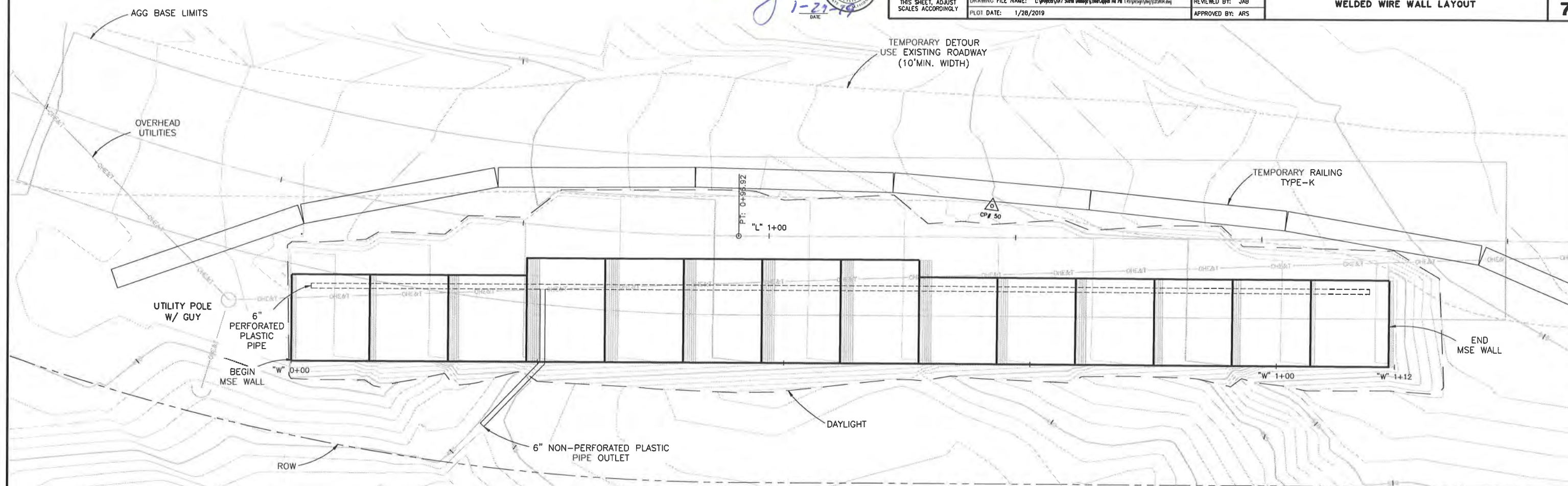
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ROAD NAME: LOWER CAPPELL ROAD  
 ROAD NO: 70302 MILE POST: 1.49  
 AGREEMENT NO. FEMA 4308-DR-CA PW-0679  
 CONTRACT NO.: 217385  
 DRAWING FILE NAME: L:\projects\2017 Storm Damage\LowerCappel Rd PM 1.49\Drawings\DWG.dwg  
 PLOT DATE: 1/28/2019

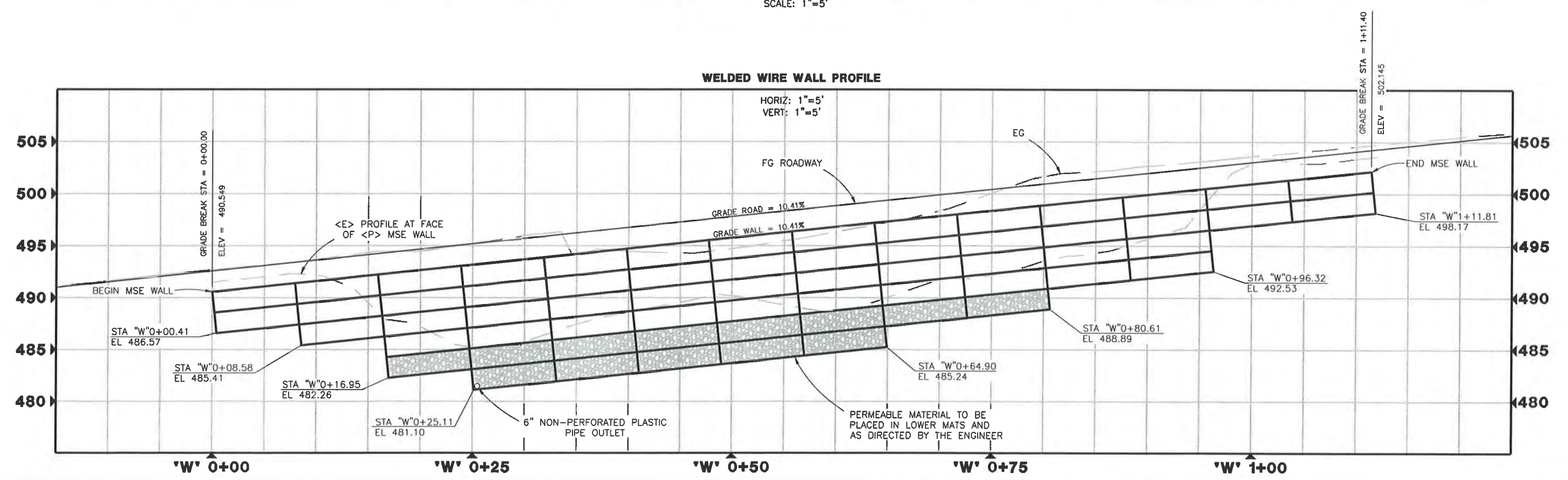
DESIGN SECTION  
 R. L. BURNETT  
 DESIGNED BY: MDL  
 DRAWN BY: MDL  
 REVIEWED BY: JAB  
 APPROVED BY: ARS

SHEET  
**4**  
 OF  
**7**

COUNTY OF HUMBOLDT  
 DEPARTMENT OF PUBLIC WORKS  
 LOWER CAPPELL ROAD PM 1.49  
 WELDED WIRE WALL LAYOUT



**WELDED WIRE WALL PLAN VIEW**  
 SCALE: 1"=5'



**WELDED WIRE WALL PROFILE**  
 HORIZ: 1"=5'  
 VERT: 1"=5'

SECTION

SCALE: 1"=10'

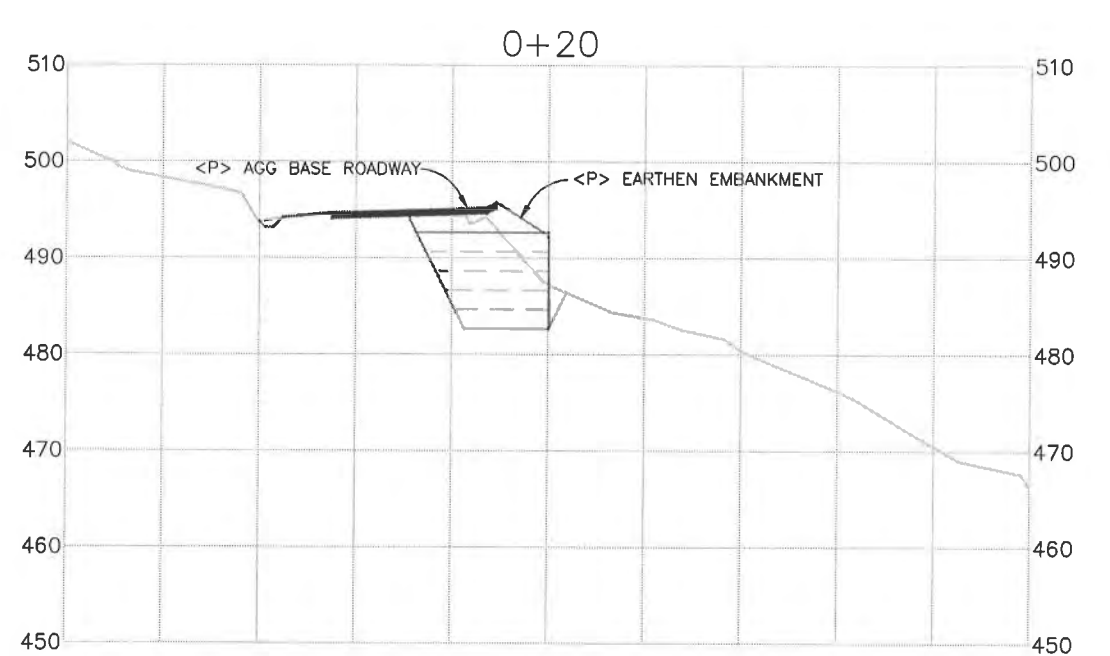
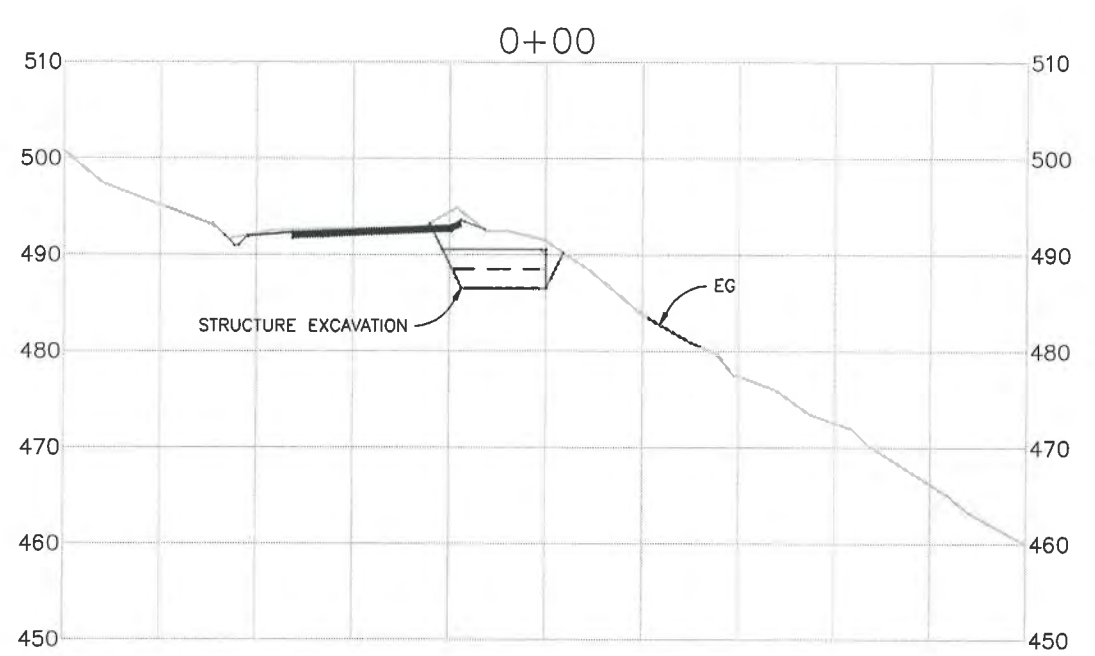
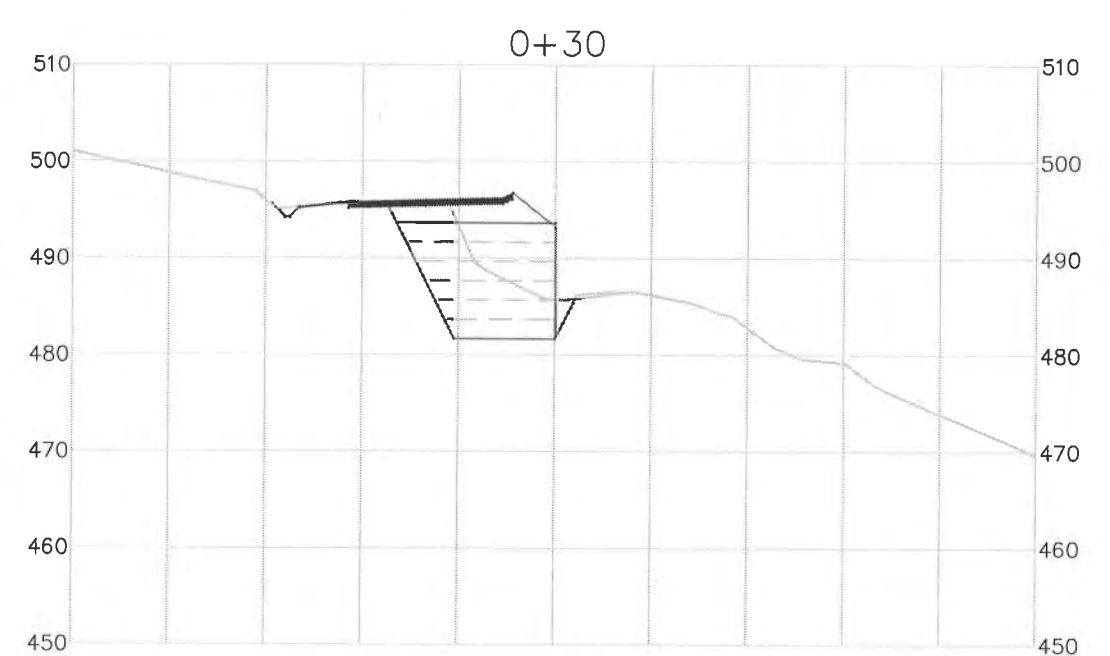
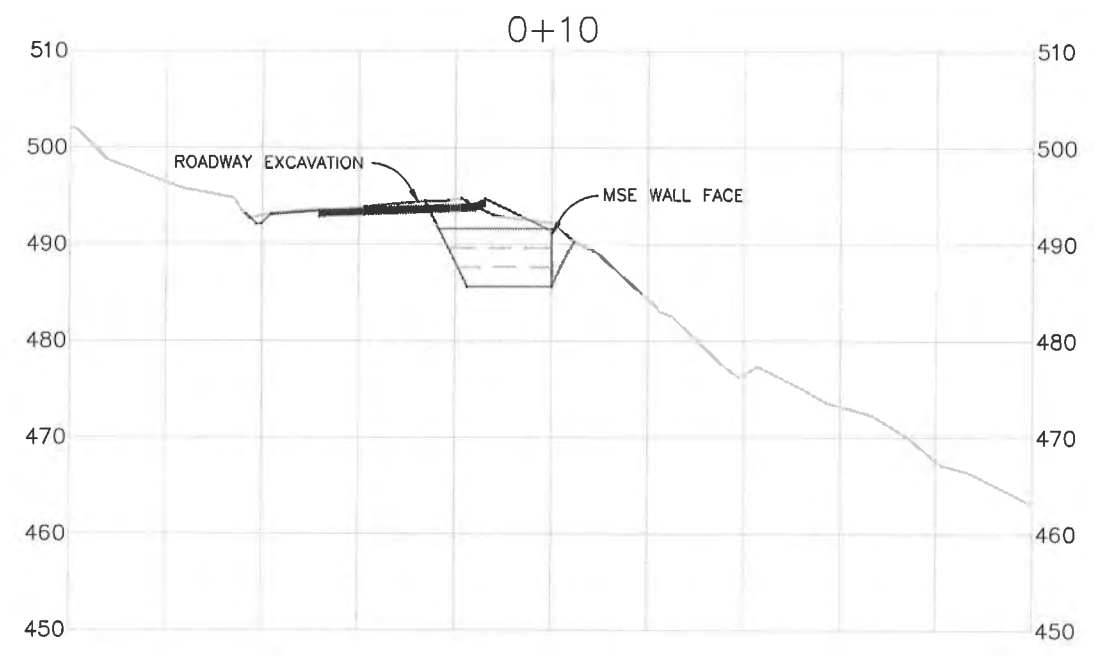
*Tony Segreti*  
TONY R. SEGRETI  
DATE: 1/28/19

ROAD NAME: LOWER CAPPELL ROAD  
ROAD NO: 7Q302 MILE POST: 1.49  
AGREEMENT NO: FEMA 4308-DR-CA PW-0679  
CONTRACT NO: 217385  
DRAWING FILE NAME: L:\projects\2017 Storm Damage\LowerCappell Rd PM 1.49\Design\plan\CS2085.dwg  
PLOT DATE: 1/28/2019

DESIGN SECTION  
R. L. BURNETT  
DESIGNED BY: MDL  
DRAWN BY: MDL  
REVIEWED BY: JAB  
APPROVED BY: ARS

COUNTY OF HUMBOLDT  
DEPARTMENT OF PUBLIC WORKS  
LOWER CAPPELL ROAD PM 1.49  
CROSS SECTIONS

SHEET  
**5**  
OF  
**7**



**SECTION**

SCALE: 1"=10'

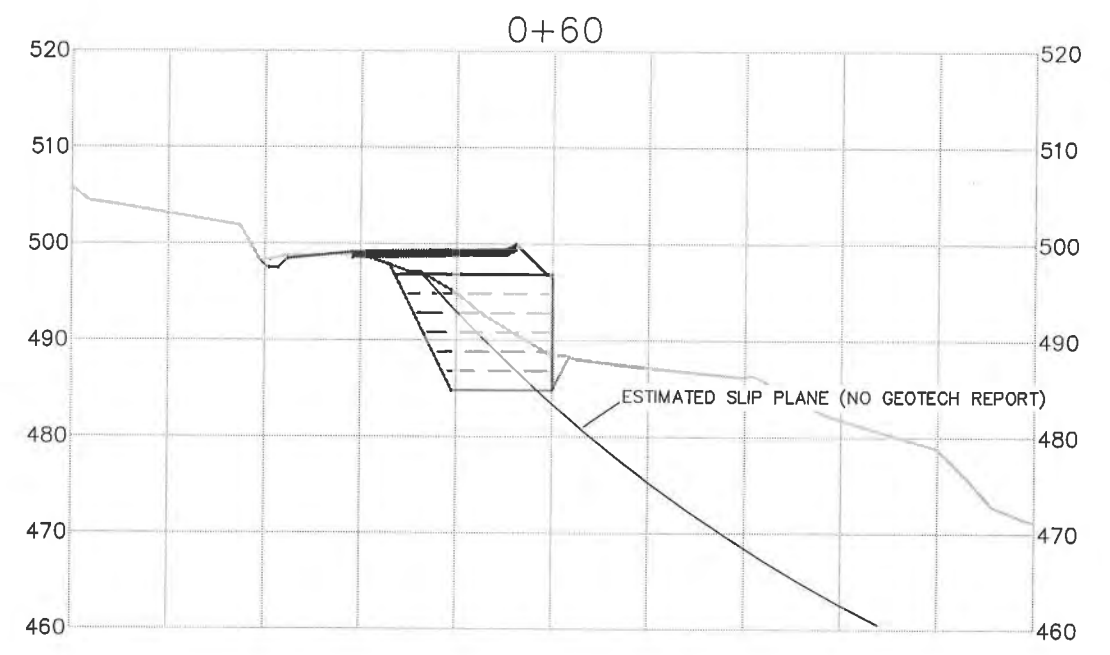
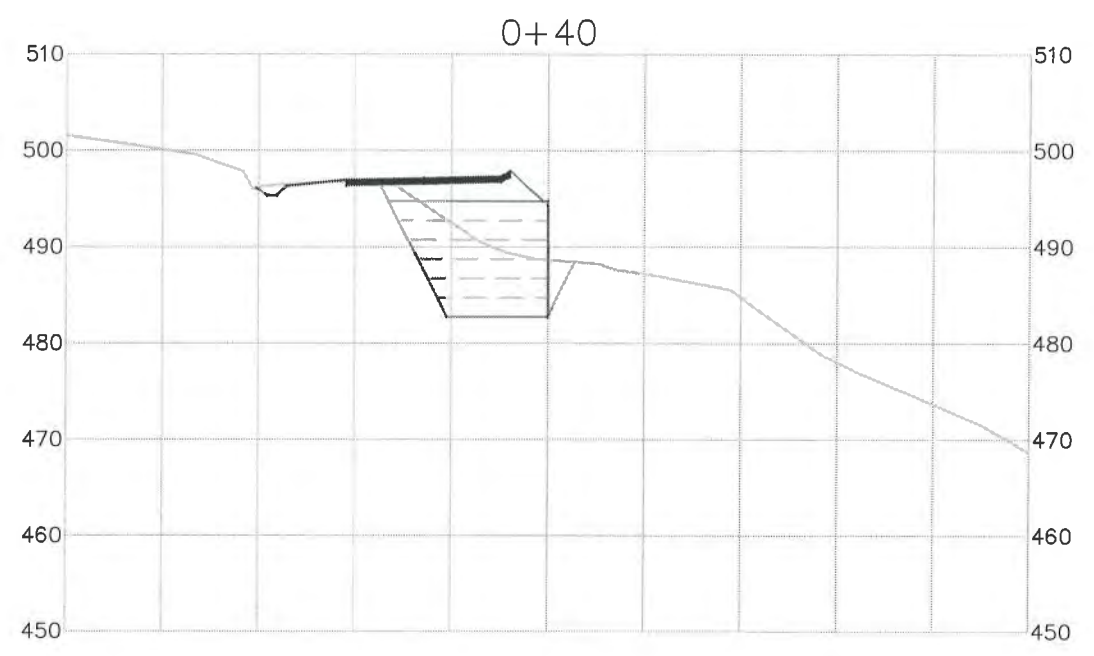
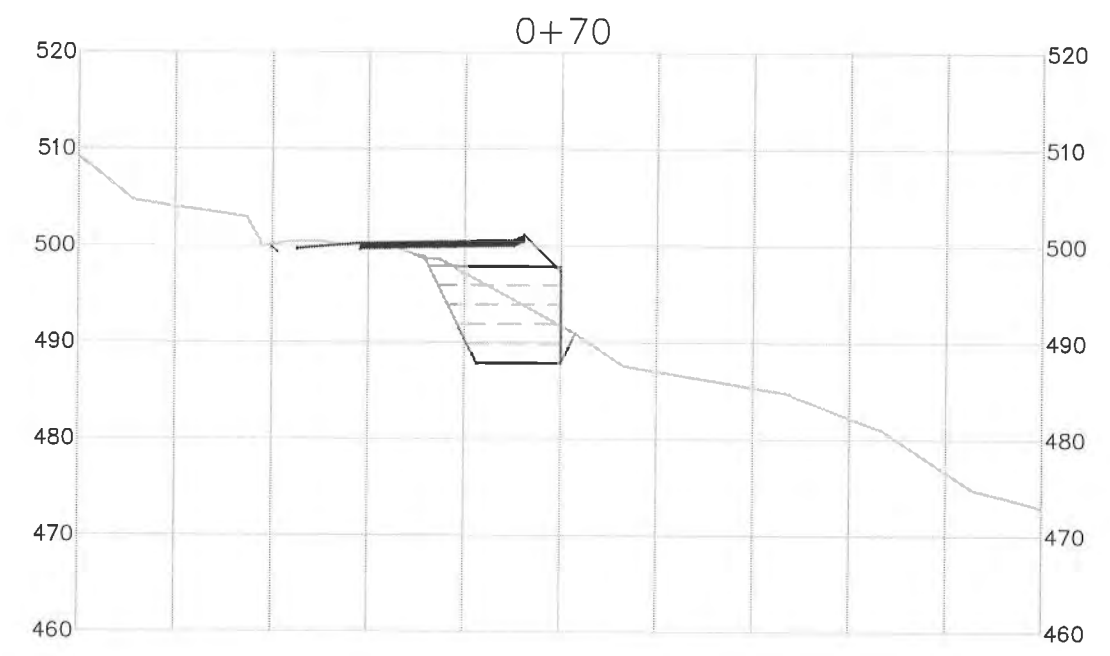
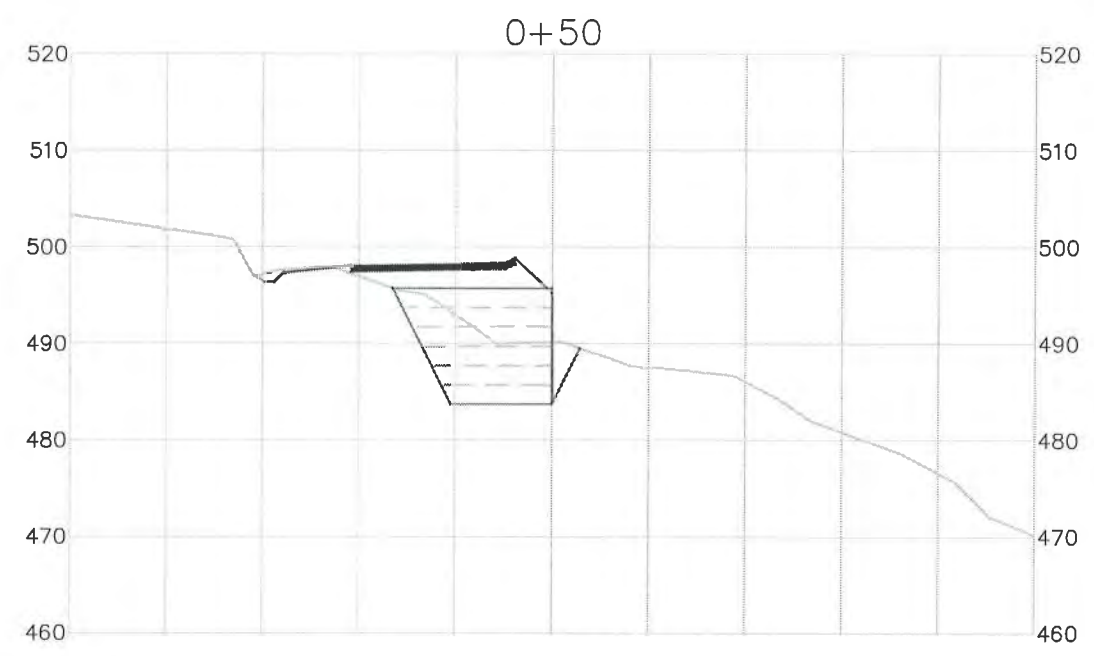
*Tony D.*  
TOP R. SEGETTI  
1-29-19  
DATE

BAR IS ONE INCH ON ORIGINAL DRAWING  
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ROAD NAME: LOWER CAPPELL ROAD	DESIGN SECTION
ROAD NO: 70302	R. L. BURNETT
MILE POST: 1.49	
AGREEMENT NO. FEMA 4308-DR-CA PW-0679	DESIGNED BY: MDL
CONTRACT NO: 217365	DRAWN BY: MDL
DRAWING FILE NAME: I:\Projects\2017 Storm Damage\LowerCappell PM 1.49\Drawings\DWG.dwg	REVIEWED BY: JAB
PLOT DATE: 1/28/2019	APPROVED BY: ARS

<b>COUNTY OF HUMBOLDT</b> <b>DEPARTMENT OF PUBLIC WORKS</b>
<b>LOWER CAPPELL ROAD PM 1.49</b>
<b>CROSS SECTIONS</b>

SHEET **6**  
OF **7**



**SECTION**

SCALE: 1"=10'



BAR IS ONE INCH ON ORIGINAL DRAWING  IF NOT ONE INCH ON THIS SHEET, ADJUST SCALES ACCORDINGLY	ROAD NAME: LOWER CAPPELL ROAD	DESIGN SECTION R. L. BURNETT	COUNTY OF HUMBOLDT DEPARTMENT OF PUBLIC WORKS  LOWER CAPPELL ROAD PM 1.49  CROSS SECTIONS	SHEET <b>7</b> OF <b>7</b>
	ROAD NO: 70302	MILE POST: 1.49		
	AGREEMENT NO. FEMA 4308-DR-CA PW-0678	DESIGNED BY: MDL		
	CONTRACT NO: 217385	DRAWN BY: MDL		
DRAWING FILE NAME: L:\projects\2017 Storm Damage\Lower Cappell Rd PM 1.49\Drawings\02907.dwg	REVIEWED BY: JAB	APPROVED BY: ARS		
PLOT DATE: 1/28/2019				

