

SEE SHEET 2 FOR INDEX OF SHEETS AND LIST OF ILLINOIS DOT HIGHWAY STANDARDS

06-14-2019 LETTING ITEM 217

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION
**PLANS FOR PROPOSED
 HIGHWAY SAFETY
 IMPROVEMENT PROJECT**
 VARIOUS ROUTES
 SECTION 17-00132-00-GR
 PROJECT F9IE(808)
 HANCOCK COUNTY
 C96-062-18
 FUNDING: HSIP

ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00132-00-GR	HANCOCK	37	1
FEDERAL AID PROJECT	ILLINOIS	CONTRACT NO. 93728		

UTILITY CONTACTS:

UTILITY TYPE:

WATER /SEWER
 CITY OF HAMILTON
 ATT: ARON METTERNICH
 PHONE: (309) 224-8234

UTILITY TYPE:

WATER
 CLAYTON CAMP POINT WATER
 ATT: JOE HEBERLEIN
 PHONE: (217) 593-7323

UTILITY TYPE:

WATER
 DALLAS RURAL WATER DISTRICT
 ATT: DANA GNANN
 PHONE: (309) 337-3718

UTILITY TYPE:

ELECTRIC
 WESTERN ILLINOIS ELECTRIC COOP
 EMAIL: RYAN @ WIEC.NET

UTILITY TYPE:

ELECTRIC
 AMEREN CIPS (NORTH)
 ATT: MARTIN FULLER
 PHONE: (618) 236-6281

UTILITY TYPE:

GAS
 NICOR
 ATTN: UTILITY CONSULTANT G03W
 PHONE: (630) 388-2362

UTILITY TYPE:

COMMUNICATIONS
 CENTURYLINK-CTLCN
 ATTN: JANNET KENNEDY
 PHONE: (720) 888-6461

UTILITY TYPE:

COMMUNICATION
 WINDSTREAM KDL/MCLEOD USA
 ATTN: LOCATE DESK
 PHONE: (800) 289-1901

UTILITY TYPE:

CABLE
 MEDIACOM
 ATT: MARK MCDANIEL
 PHONE: (309) 274-1336

UTILITY TYPE:

TELEPHONE
 FRONTIER COMMUNICATIONS
 ATT: KALIN HINSHAW
 PHONE: (815) 895-1515

UTILITY TYPE:

TELEPHONE
 ADAMS TELEPHONE COOP
 ATTN: RANDY BUNGE
 PHONE: (217) 696-8418

UTILITY TYPE:

TELEPHONE
 MCDONOUGH TELEPHONE COOP
 ATTN: JAY HARRISON
 PHONE: (309) 776-3211 X111

UTILITY TYPE:

TELEPHONE
 LAHARPE TELEPHONE COMPANY
 ATTN: TODD IRISH
 PHONE: (309) 255-0032 OR (217) 659-7721

UTILITY TYPE:

PIPELINE
 SUNOCO ENERGY TRANSFER
 ATT: TANNER THOLEE
 PHONE: (515) 708-4214

UTILITY TYPE:

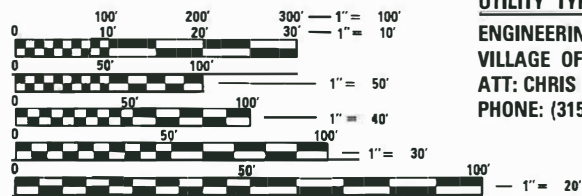
ENGINEERING
 VILLAGE OF WEST POINT
 ATT: ROBERT DIGHTON
 PHONE: (309) 337-5472

UTILITY TYPE:

ENGINEERING
 VILLAGE OF AUGUSTA
 ATT: TROY VAN FLEET
 PHONE: (217) 440-4730

UTILITY TYPE:

ENGINEERING
 VILLAGE OF PLYMOUTH
 ATT: CHRIS SANSON
 PHONE: (315) 777-0424

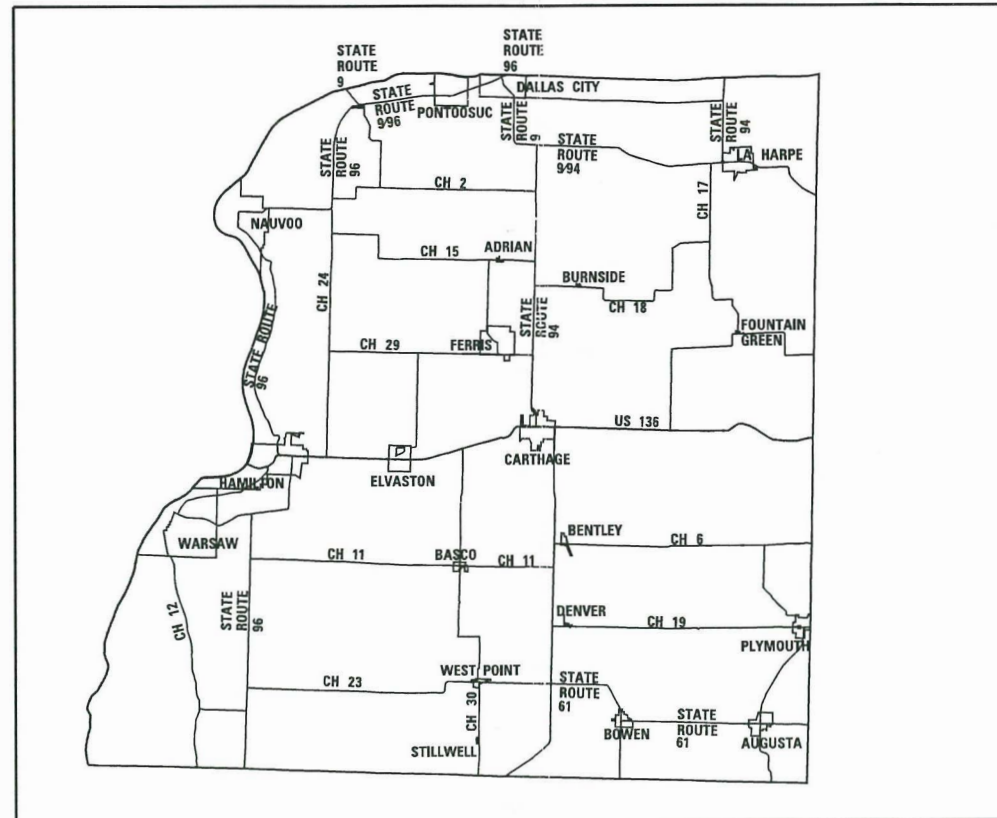


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-892-0123
 OR 811



CONTRACT NO. 93728



LAYOUT

HANCOCK COUNTY
 COUNTY WIDE

(NOT TO SCALE)



STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

APPROVED 3/5 . 20 19
Elgin Berry
 HANCOCK COUNTY ENGINEER

PASSED 3-13 . 19
Ch L Shell
 DISTRICT SIX ENGINEER OF
 LOCAL ROADS AND STREETS

RELEASED FOR
 BID BASED ON
 LIMITED REVIEW

3-13 . 20 19
Jeffery H Southwick
 REGION FOUR ENGINEER



Kimberly S. Cummins 3/5/19
 ILLINOIS PROFESSIONAL NO. 56816
 (Expires 11/30/19)

PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	TITLE
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4	TYPICAL CROSS SECTIONS
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36	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)
37	STEEL RAILING, TYPE 2399

LIST OF ILLINOIS DOT HIGHWAY STANDARDS

000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
630001-12	STEEL PLATE BEAM GUARDRAIL
630106-02	LONG-SPAN GUARDRAIL OVER CULVERT
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631031-15	TRAFFIC BARRIER TERMINAL, TYPE 6
631032-09	TRAFFIC BARRIER TERMINAL, TYPE 6A
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY FROM EDGE OF PAVEMENT
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15" TO 24" AWAY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
701901-08	TRAFFIC CONTROL DEVICES
725001-01	OBJECT AND TERMINAL MARKERS
782001-01	CURB REFLECTORS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
BLR 26-3	STEEL PLATE BEAM GUARDRAIL 29" HEIGHT

GENERAL NOTES

- THIS PROJECT IS LOCATED ON VARIOUS ROUTES IN HANCOCK COUNTY. THE WORK INCLUDED IN THE SECTION CONSISTS OF VARIOUS TYPES OF GUARDRAIL REMOVAL, REPLACEMENT, AND ALL OTHER WORK NECESSARY TO COMPLETE THE PROJECT.
- NO MATERIAL SHALL BE LEFT ON OR NEAR THE ROADWAY DURING NON-WORKING HOURS.
- ANY NECESSARY TRAFFIC CONTROL WILL BE PROVIDED BY THE CONTRACTOR. APPROPRIATE STANDARDS ARE INCLUDED IN THE PLANS AND CONTRACT DOCUMENTS.
- ILLINOIS STATE LAW REQUIRES 48 HOUR NOTICE TO BE GIVEN TO UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. (PHONE 800-892-0123) OR FOR NON-MEMBERS THE UTILITY COMPANY DIRECTLY.
- WHEN NO WORK IS BEING PERFORMED, THE FLAGGERS WILL NOT BE REQUIRED. IF THE FLAGGERS ARE NOT PRESENT, THE FLAGGER SIGNS SHALL BE REMOVED OR COVERED.
- ARTICLE 701.20 OF THE STANDARD SPECIFICATIONS DISCUSSES AN ADJUSTED UNIT PRICE. NO ADJUSTMENTS SHALL BE MADE TO THE TRAFFIC CONTROL AND PROTECTION PAY ITEMS FOR THIS CONTRACT.
- THE CONTRACTOR IS ADVISED THAT THE GUARDRAIL AND TERMINAL PAY ITEMS INCLUDED IN THE PLANS WILL BE USED TO REPLACE STEEL PLATE BEAM GUARDRAIL AND TRAFFIC BARRIER TERMINALS FOR EITHER CURRENT MIDWEST STYLES OR STEEL PLATE BEAM GUARDRAIL AND TRAFFIC BARRIER TERMINALS INSTALLED PRIOR TO JANUARY 1, 2007. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR UTILIZING THE CURRENT MIDWEST STANDARDS.
- SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET, OR IN AN UNTILLABLE CONDITION. LOCATIONS TO BE SEEDED WILL BE DETERMINED BY THE ENGINEER.
- THE FINISHED EARTHWORK SHALL HAVE A VEGETATION SUSTAINING SOIL COVERING THE TOP FOUR INCHES IN AREAS TO BE SEEDED. THE VEGETATION SUSTAINING SOIL REQUIRED WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF FURNISHED EXCAVATION.
- ALL EXCAVATED MATERIAL, WHICH INCLUDES DIGGING OR GRADING OF ANY SOIL OR FILL MATERIAL, WITH THE EXCEPTION OF AGGREGATE FILLS, MUST BE INCORPORATED WITHIN THE RIGHT OF WAY DUE TO ENVIRONMENTAL DOCUMENTATION REQUIREMENTS.
- ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE REVISION NUMBER SHOWN IN THE LIST OF ILLINOIS DOT HIGHWAY STANDARDS OR THE COPY INCLUDED IN THESE PLANS.
- GUARDRAIL POSTS THAT NEED TO BE DRIVEN THROUGH EXISTING HOT-MIX ASPHALT SHOULDERS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF STEEL PLATE BEAM GUARDRAIL.
- REMOVED GUARDRAIL THAT IS NOT REPLACED ON THE SAME DAY MUST BE DELINEATED WITH LIGHTED BARRICADES. NO LOCATIONS SHALL BE LEFT WITHOUT EITHER LIGHTED BARRICADES OR RESTORED GUARDRAIL AT ANY TIME.
- GUARDRAIL REFLECTORS SHALL NOT BE ATTACHED TO TERMINAL SECTIONS.
- FURNISHED EXCAVATION, AS SHOWN, IS FOR CONSTRUCTION OF THE PROPOSED SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS AND FOR SHOULDER WIDENING ALONG STEEL PLATE BEAM GUARDRAIL AS NEEDED. SHOULDER WIDENING AT TYPE 1 (SPECIAL) TERMINALS SHALL BE AS SHOWN ON STANDARD 630301. SHOULDER WIDENING AT STEEL PLATE BEAM GUARDRAIL TYPE A, SIX FOOT POSTS WILL BE TWO FEET BEHIND THE POST AS SHOWN ON STANDARD 630001. SHOULDER WIDENING AT STEEL PLATE BEAM GUARDRAIL TYPE A, NINE FOOT POSTS WILL BE TO THE FACE OF THE POST AS SHOWN ON STANDARD 630001. QUANTITIES SHOWN ARE APPROXIMATE.
- TERMINAL MARKERS - DIRECT APPLIED SHALL BE USED AT ALL PROPOSED TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT LOCATIONS AND AT ALL OTHER EXISTING LOCATIONS AS NOTED ON THE PLANS.
- EROSION CONTROL BLANKET SHALL BE PLACED ON ALL SLOPES STEEPER THAN 1:2.



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 PLOT DATE = 3/7/2019

DESIGNED - CGF
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 CHECKED - NAK
 DATE - 1/29/2018

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**HANCOCK COUNTY
 GUARDRAIL IMPROVEMENTS**

**INDEX OF SHEETS, GENERAL NOTES,
 AND STANDARDS**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00132-00-GR	HANCOCK	37	2
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 93728	

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE: 0021
△ 20400800	FURNISHED EXCAVATION	CU YD	2,455	
△ 21400100	GRADING AND SHAPING DITCHES	FOOT	831	
25100630	EROSION CONTROL BLANKET	SO YD	861	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	207	
△ 28000305	TEMPORARY DITCH CHECKS	FOOT	104	
△ 28000400	PERIMETER EROSION BARRIER	FOOT	9,626	
△ 28000500	INLET AND PIPE PROTECTION	EACH	5	
△ 44004000	PAVED DITCH REMOVAL	FOOT	48	
△ 50105220	PIPE CULVERT REMOVAL	FOOT	42	
50900200	STEEL RAILING, TYPE 2399	FOOT	216	
△ 54200220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	284	
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	650.0	
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	8,537.5	
63000009	STEEL PLATE BEAM GUARDRAIL, TYPE B, 9 FOOT POSTS	FOOT	212.5	
63000350	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	FOOT	187.5	
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	
63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4	
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	97	
• 63200310	GUARDRAIL REMOVAL	FOOT	12,400.0	
67100100	MOBILIZATION	L SUM	1	
• 70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	110	
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	223	
78200011	BARRIER WALL REFLECTORS, TYPE C	EACH	6	

• SEE SPECIAL PROVISIONS

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE: 0021
78200020	CURB REFLECTORS	EACH	6	
• X0326519	STEEL RAILING REMOVAL	FOOT	300.0	
• X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	2.25	
• X6300130	STEEL PLATE BEAM GUARDRAIL, TYPE A (SPECIAL)	FOOT	600.0	
X6300210	GUARDRAIL BLOCKS	EACH	52	
• X6320100	GUARDRAIL REMOVAL SPECIAL	FOOT	300.0	
• X6330725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT	25.0	
# 20076600	TRAINEES	HOURL	500	
• X6331007	REMOVAL AND REPLACEMENT OF STEEL PLATE BEAM GUARDRAIL, RAIL ELEMENT	FOOT	87.5	
# 20076604	TRAINEES TRAINING PROGRAM GRADUATE	HOURL	500	
• XX009289	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1	

• SEE SPECIAL PROVISIONS

△ SPECIALTY ITEMS

0042



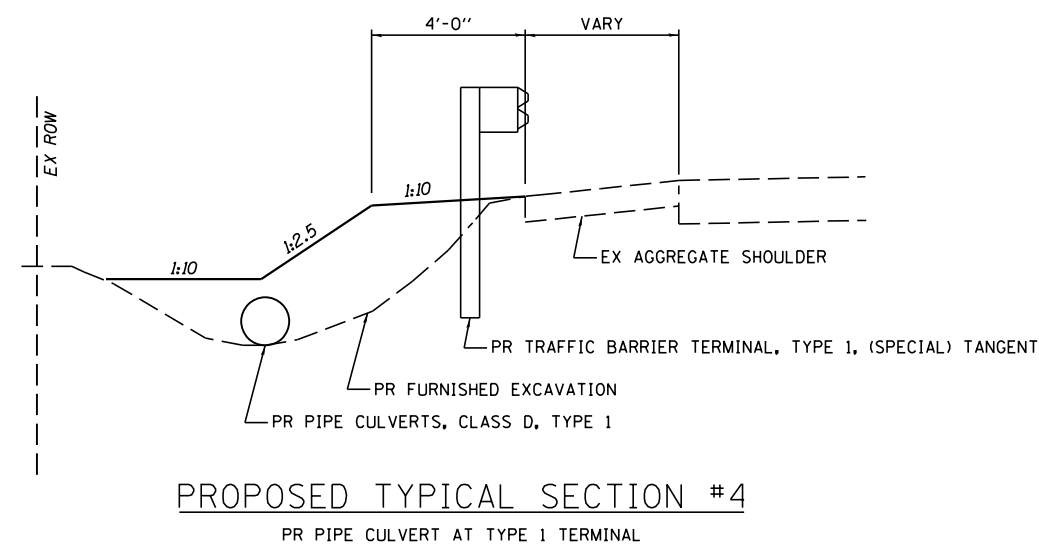
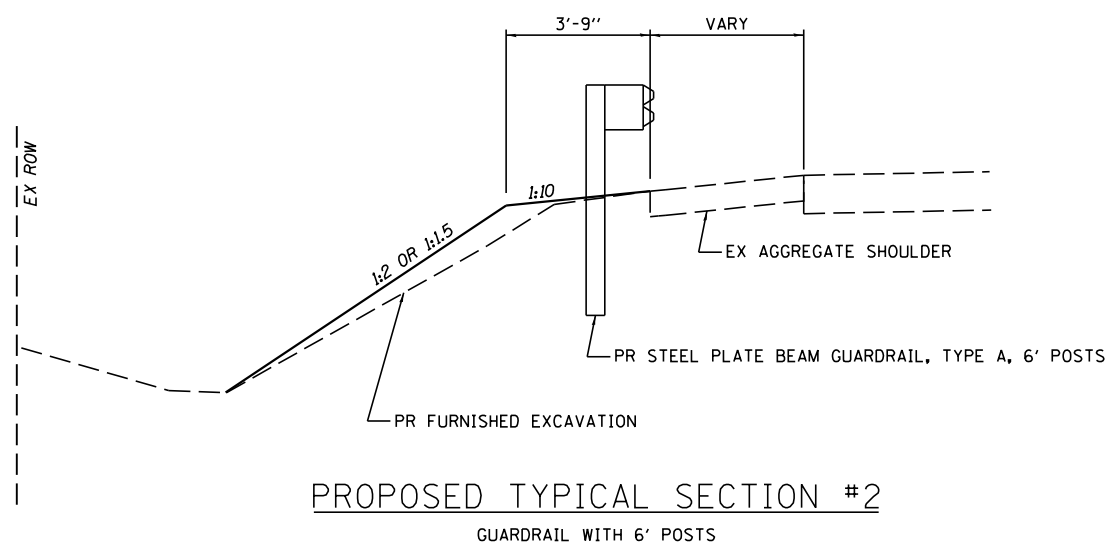
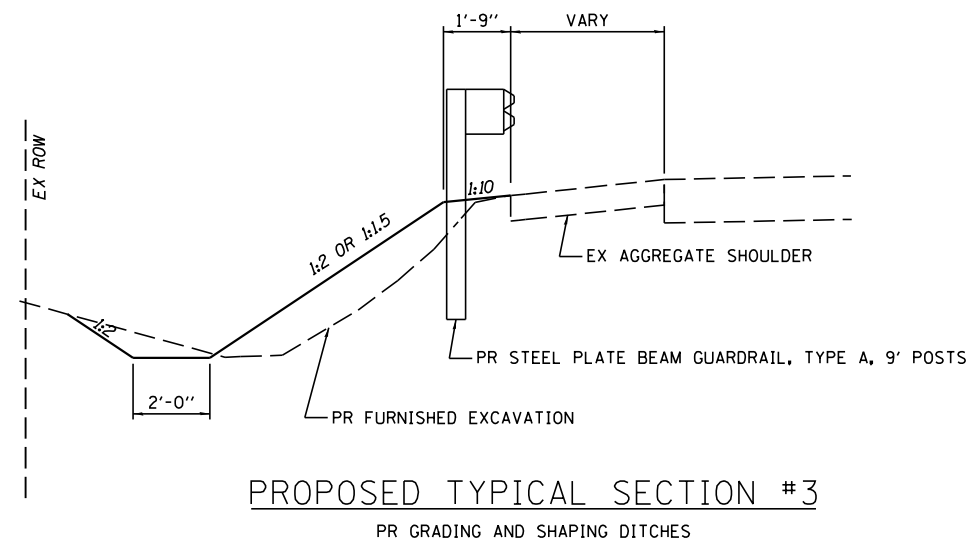
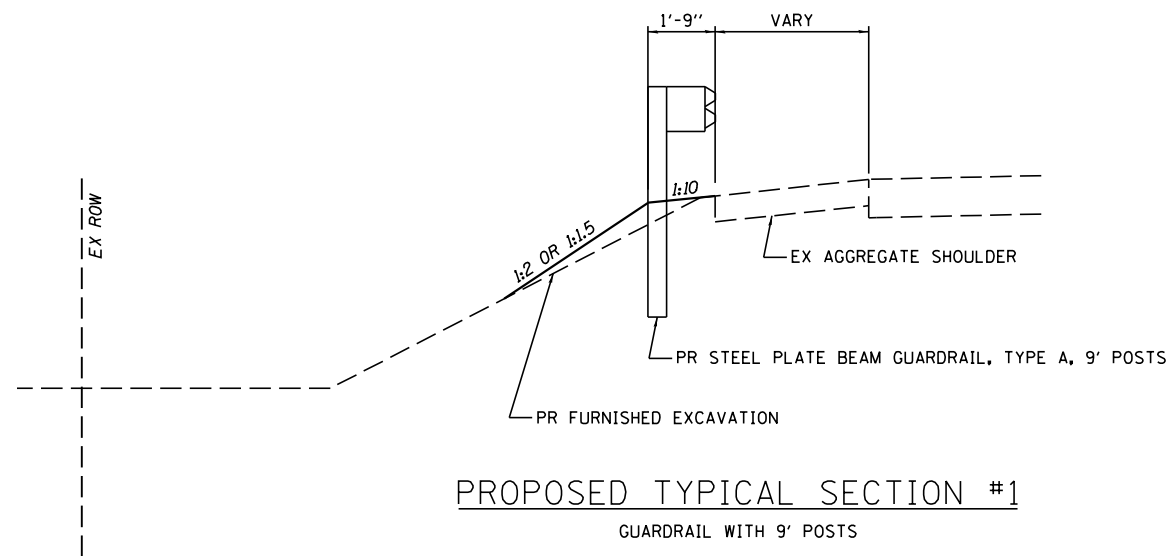
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**HANCOCK COUNTY
GUARDRAIL IMPROVEMENTS**

SUMMARY OF QUANTITIES

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00132-00-GR	HANCOCK	37	3
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 93728	



GUARDRAIL SCHEDULE

Location Number	Quadrant (NE, SE, NW, SW, LEFT, RIGHT)	SPBGR TY A	SPBGR TY A	SPBGR TY B	STEEL PLATE BEAM GUARDRAIL, TYPE A (SPECIAL)	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	STEEL RAILING, TYPE 2399	REM & REPL SPBGR, RAIL ELEMENT	STEEL RAILING REMOVAL	TBT TY 1 (SPECIAL) TANGENT (EACH)	TRAFFIC BARRIER TERMINAL, TYPE 6	TRAFFIC BARRIER TERMINAL, TYPE 6A	GUARDRAIL REMOVAL	GUARDRAIL REMOVAL SPECIAL	GUARDRAIL REFLECTORS, TYPE A	TERMINAL MARKER - DIRECT APPLIED	BARRIER WALL REFLECTORS, TYPE C	CURB REFLECTORS	GUARDRAIL BLOCKS	
		6' Posts	9' Posts	9' Posts	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	50'	EACH	EACH	EACH	FOOT	FOOT	EACH	EACH	EACH	EACH	EACH
3	LT		1400.0								2			1500.0		18	2				
4	SE CORNER										1	1				4	1				
4	SW CORNER		37.5								1	1				4	1	3	3		
4	NE CORNER		37.5								1	1				4	1				
4	NW CORNER										1	1				4	1	3	3		
5	NW CORNER										1			50.0			1				
5	NE CORNER																1				
6	NW CORNER										1			50.0			1				
6	NE CORNER																1				
6	SE CORNER										1			50.0			1				
6	SW CORNER																1				
7	NW CORNER										1			50.0			1				
7	NE CORNER																1				
8	NW CORNER										1			50.0			1				
8	NE CORNER																1				
8	SE CORNER										1			50.0			1				
8	SW CORNER																1				
9	NW CORNER										1			50.0			1				
9	NE CORNER																1				
10	NW CORNER										1			50.0			1				
10	NE CORNER																1				
10	SE CORNER										1			50.0			1				
10	SW CORNER																1				
11	NW CORNER										1			50.0			1				
11	NE CORNER																1				
11	SE CORNER										1			50.0			1				
11	SW CORNER																1				
12	NW CORNER										1			50.0			1				
12	NE CORNER																1				
12	SE CORNER										1			50.0			1				
12	SW CORNER																1				
15	LT		100.0						12.5		2			100.0		4	2				2
15	RT		62.5						12.5		2			100.0		4	2				2
22	LT		12.5				37.5				4			100.0		4	4				
22	RT		12.5				37.5				2			100.0		4	2				
24	LT		50.0						12.5		4			100.0		4	4				2
24	RT		37.5						12.5		2			100.0		4	2				2
26	LT		100.0						12.5		2			87.5		4	2				1
26	RT		100.0						12.5		2			87.5		4	2				1
27	SW CORNER										1			37.5			1				5
27	NE CORNER										1			37.5			1				5
29	LT		37.5								2			112.5		4	2				
29	RT		150.0								2			112.5		4	2				
31	LT			50.0	150.0					150.0	2					4	2				
31	RT			50.0	150.0					150.0	2					4	2				



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 DATE - 1/29/2018

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**HANCOCK COUNTY
 GUARDRAIL IMPROVEMENTS**

SCHEDULE OF QUANTITIES

SCALE: SHEET NO. OF SHEETS STA. TO STA.

ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00132-00-GR	HANCOCK	37	5
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 93728	

GUARDRAIL SCHEDULE

Location Number	Quadrant (NE, SE, NW, SW, LEFT, RIGHT)	SPBGR TY A 6' Posts	SPBGR TY A 9' Posts	SPBGR TY B 9' Posts	STEEL PLATE BEAM GUARDRAIL, TYPE A (SPECIAL)	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN	STEEL RAILING, TYPE 2399	REM & REPL SPBGR, RAIL ELEMENT	STEEL RAILING REMOVAL	TBT TY 1 (SPECIAL) TANGENT (EACH)	TRAFFIC BARRIER TERMINAL, TYPE 6	TRAFFIC BARRIER TERMINAL, TYPE 6A	GUARDRAIL REMOVAL	GUARDRAIL REMOVAL SPECIAL	GUARDRAIL REFLECTORS, TYPE A	TERMINAL MARKER - DIRECT APPLIED	BARRIER WALL REFLECTORS, TYPE C	CURB REFLECTORS	GUARDRAIL BLOCKS	
		FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	50'	EACH	EACH	EACH	FOOT	FOOT	EACH	EACH	EACH	EACH
48	NW CORNER		12.5								1			62.5		4	1				5
48	NE CORNER		12.5								1			62.5		4	1				5
48	SW CORNER		37.5								1			87.5		4	1				5
48	SE CORNER										3			37.5			3				5
52	NW CORNER										1			37.5			1				5
52	SE CORNER										1			25.0			1				5
54	RT		250.0								2			350.0		4	2				
55	LT	300.0						107.8			2		2	425.0		8	2				
55	RT	350.0						107.8			2		2	475.0		8	2				
56	RT		150.0								2			250.0		4	2				
58	LT										2			100.0			2				
59	SE CORNER			25.0	150.0						1			50.0	150.0	4	1				
59	SW CORNER		450.0	25.0							1			525.0		6	1				
59	NE CORNER		275.0	25.0	150.0						1			350.0	150.0	6	1				
59	NW CORNER		350.0	25.0							3			525.0		4	3				
60	LT		1125.0								2			1275.0		15	2				
60	RT		1000.0								4			1200.0		13	4				
61	LT		1300.0								2			1400.0		17	2				
61	RT		1300.0								2			1400.0		16	2				
62	SE CORNER										2						2				
62	SW CORNER		25.0	12.5							1			12.5		4	1				
62	NE CORNER					25.0			12.5		1			12.5		4	1				2
62	NW CORNER										2						2				
66	LT		112.5								2			212.5		4	2				
69	RT						37.5				2			100.0		4	2				
70	LT						37.5				2			100.0		4	2				
70	RT						37.5				2			100.0		4	2				
TOTAL		650.0	8,537.5	212.5	600.0	25.0	187.5	215.6	87.5	300.0	97	4	4	12,400.0	300.0	223	110	6	6	52	
ROUNDED TOTAL								216													



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**HANCOCK COUNTY
 GUARDRAIL IMPROVEMENTS**

SCHEDULE OF QUANTITIES

SCALE: SHEET NO. OF SHEETS STA. TO STA.

ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00132-00-GR	HANCOCK	37	6
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 93728	

EROSION CONTROL SCHEDULE

Location Number	Quadrant (NE, SE, NW, SW, LEFT, RIGHT)	PERIMETER EROSION BARRIER	TEMPORARY EROSION CONTROL SEEDING	TEMPORARY DITCH CHECKS	INLET AND PIPE PROTECION	GRADING AND SHAPING DITCHES	EROSION CONTROL BLANKET
		FOOT	POUND	FOOT	EACH	FOOT	SQ YD
3	LT	1503	7.4				
4	SE CORNER	121	1.0				
4	SW CORNER	150	2.6				
4	NE CORNER	151	2.2				
4	NW CORNER	76	1.0				
5	NW CORNER	95	2.8				
6	NW CORNER	81	3.0				130
6	SE CORNER	91	2.2				
7	NW CORNER	89	2.1				
8	NW CORNER	92	2.6				109
8	SE CORNER	90	2.6				
9	NW CORNER	93	1.8				
10	NW CORNER	94	2.3				91
10	SE CORNER	86	1.5				
11	NW CORNER	15	4.6	8		72	
11	SE CORNER	90	3.1				
12	NW CORNER	25	3.7	8		58	54
12	SE CORNER	98	3.6				
15	LT	158	5.2		1		11
15	RT	199	6.7	8		29	15
22	LT	85	7.7	8	1	144	18
22	RT	73	4.3	16		111	
24	LT	263	5.5		1		30
24	RT	215	4.2				
26	LT	216	5.2	8		43	15
26	RT	114	6.5	16		134	21
29	LT	113	3.4		1		15
48	SE CORNER	88	1.6				
52	NW CORNER	31	6.1	8		71	
54	RT	358	8.5	8		68	
55	LT	201	2.4				
55	RT	169	4.8				
56	RT	319	3.7				34
59	SW CORNER	531	4.7				
59	NW CORNER	326	3.2				
60	LT	154	2.9		1		
60	RT	738	10.6				
61	LT	568	12.7				133
61	RT	709	22.7				
62	SE CORNER	67	2.7	8		57	
62	SW CORNER	52	1.1				
62	NE CORNER	92	2.0				84
62	NW CORNER	75	2.8	8		44	

EROSION CONTROL SCHEDULE

Location Number	Quadrant (NE, SE, NW, SW, LEFT, RIGHT)	PERIMETER EROSION BARRIER	TEMPORARY EROSION CONTROL SEEDING	TEMPORARY DITCH CHECKS	INLET AND PIPE PROTECION	GRADING AND SHAPING DITCHES	EROSION CONTROL BLANKET
		FOOT	POUND	FOOT	EACH	FOOT	SQ YD
66	LT	70	1.1				
69	RT	199	3.8				101
70	LT	209	5.9				
70	RT	194	4.5				
TOTAL		9,626	206.6	104	5	831	861
ROUNDED TOTAL			207				



JOB = 2528.1	DESIGNED - CGF	REVISED -
FILE NAME = *FILES*	DRAWN - CGF	REVISED -
PLOT SCALE = *SCALE*	CHECKED - NAK	REVISED -
PLOT DATE = *DATE*	DATE - 1/29/2018	REVISED -

**HANCOCK COUNTY
GUARDRAIL IMPROVEMENTS**

SCHEDULE OF QUANTITIES

SCALE: SHEET NO. OF SHEETS STA. TO STA.

ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00132-00-GR	HANCOCK	37	7
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 93728	

EARTHWORK SCHEDULE

Location Number	Quadrant (NE, SE, NW, SW, LEFT, RIGHT)	FURNISHED EXCAVATION
		CU YD
3	LT	80
4	SE CORNER	5
4	SW CORNER	25
4	NE CORNER	20
4	NW CORNER	5
5	NW CORNER	30
6	NW CORNER	70
6	SE CORNER	25
7	NW CORNER	20
8	NW CORNER	30
8	SE CORNER	35
9	NW CORNER	10
10	NW CORNER	10
10	SE CORNER	20
11	NW CORNER	70
11	SE CORNER	55
12	NW CORNER	25
12	SE CORNER	70
15	LT	75
15	RT	155
22	LT	120
22	RT	50
24	LT	40
24	RT	80
26	LT	55
26	RT	35
29	LT	55
48	SE CORNER	40
52	NW CORNER	50
54	RT	80
55	LT	15
55	RT	35
56	RT	30
59	SW CORNER	35
59	NW CORNER	20
60	LT	30
60	RT	90
61	LT	120
61	RT	270
62	SE CORNER	25
62	SW CORNER	25
62	NE CORNER	30
62	NW CORNER	25
66	LT	15

EARTHWORK SCHEDULE

Location Number	Quadrant (NE, SE, NW, SW, LEFT, RIGHT)	FURNISHED EXCAVATION
		CU YD
69	RT	45
70	LT	125
70	RT	80
TOTAL		2,455

SEEDING SCHEDULE

Location Number	Quadrant (NE, SE, NW, SW, LEFT, RIGHT)	SEEDING, CLASS 2 (SPECIAL)
		ACRE
3	LT	0.074
4	SE CORNER	0.010
4	SW CORNER	0.026
4	NE CORNER	0.022
4	NW CORNER	0.010
5	NW CORNER	0.028
6	NW CORNER	0.030
6	SE CORNER	0.022
7	NW CORNER	0.021
8	NW CORNER	0.026
8	SE CORNER	0.026
9	NW CORNER	0.018
10	NW CORNER	0.023
10	SE CORNER	0.015
11	NW CORNER	0.046
11	SE CORNER	0.031
12	NW CORNER	0.037
12	SE CORNER	0.036
15	LT	0.052
15	RT	0.067
22	LT	0.077
22	RT	0.043
24	LT	0.055
24	RT	0.042
26	LT	0.052
26	RT	0.065
29	LT	0.034
48	SE CORNER	0.016
52	NW CORNER	0.061
54	RT	0.085
55	LT	0.024
55	RT	0.048
56	RT	0.037
59	SW CORNER	0.047
59	NW CORNER	0.032
60	LT	0.029
60	RT	0.106
61	LT	0.127
61	RT	0.227
62	SE CORNER	0.027
62	SW CORNER	0.011
62	NE CORNER	0.020
62	NW CORNER	0.028
66	LT	0.011

SEEDING SCHEDULE

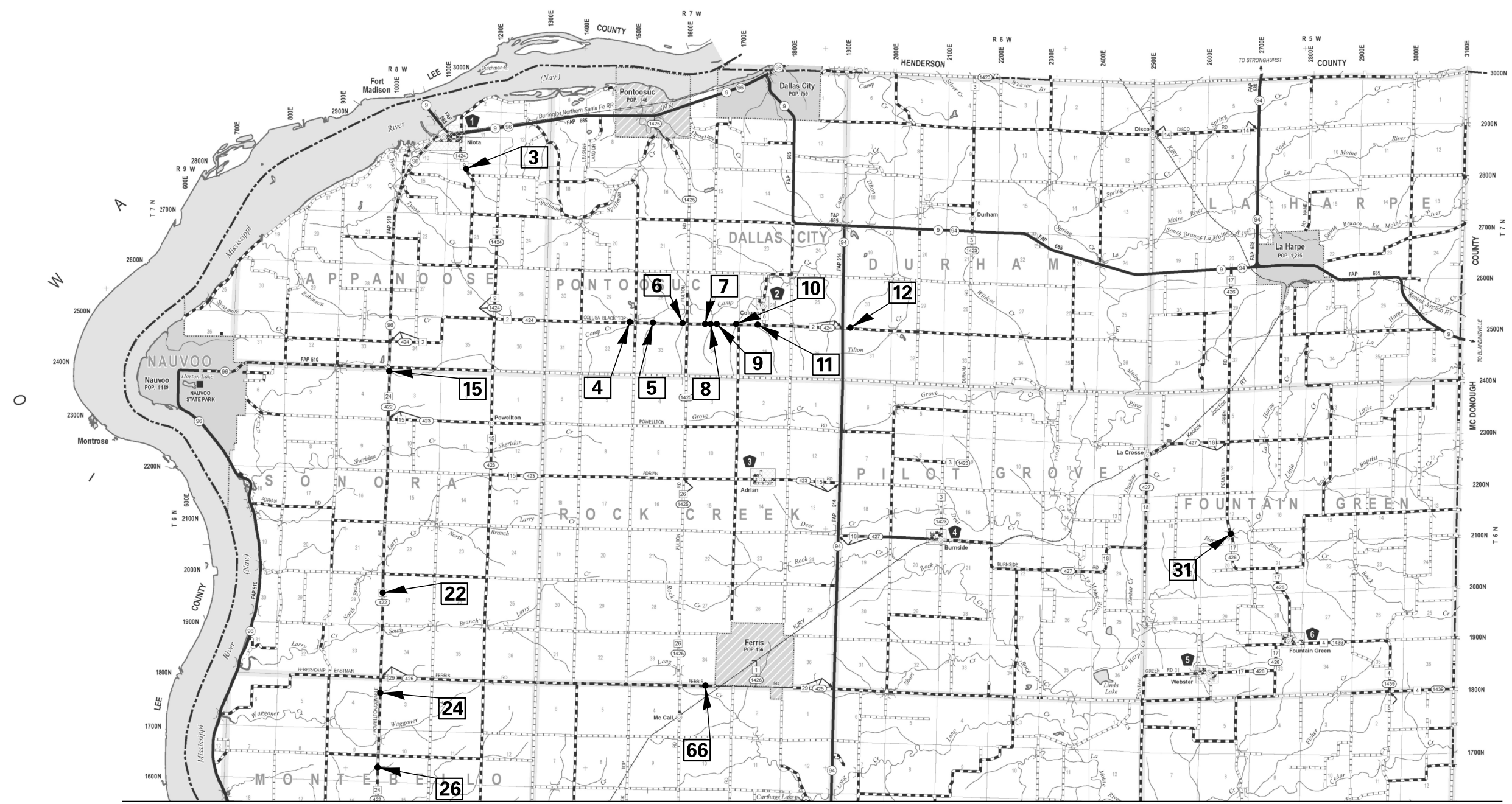
Location Number	Quadrant (NE, SE, NW, SW, LEFT, RIGHT)	SEEDING, CLASS 2 (SPECIAL)
		ACRE
69	RT	0.038
70	LT	0.059
70	RT	0.045
TOTAL		2.07
ROUNDED TOTAL		2.25

PIPE CULVERT SCHEDULE

Location Number	Quadrant (NE, SE, NW, SW, LEFT, RIGHT)	PIPE CULVERTS, CLASS D, TYPE 1 15"	PIPE CULVERT REMOVAL
		FOOT	FOOT
15	LT	60	22
22	LT	88	20
24	LT	48	
29	LT	60	
60	LT	28	
TOTAL		284	42

PAVED DITCH REMOVAL SCHEDULE

Location Number	Quadrant (NE, SE, NW, SW, LEFT, RIGHT)	PAVED DITCH REMOVAL
		FOOT
54	RT	48
TOTAL		48



MATCHLINE - SOUTH HANCOCK COUNTY



JOB = 2528.1
 FILE NAME = #FILES#
 PLOT SCALE = #SCALE#
 PLOT DATE = #DATE#

DESIGNED - CGF
 DRAWN - SJS
 CHECKED - NAK
 DATE - 3/29/2018

REVISED -
 REVISED -
 REVISED -
 REVISED -

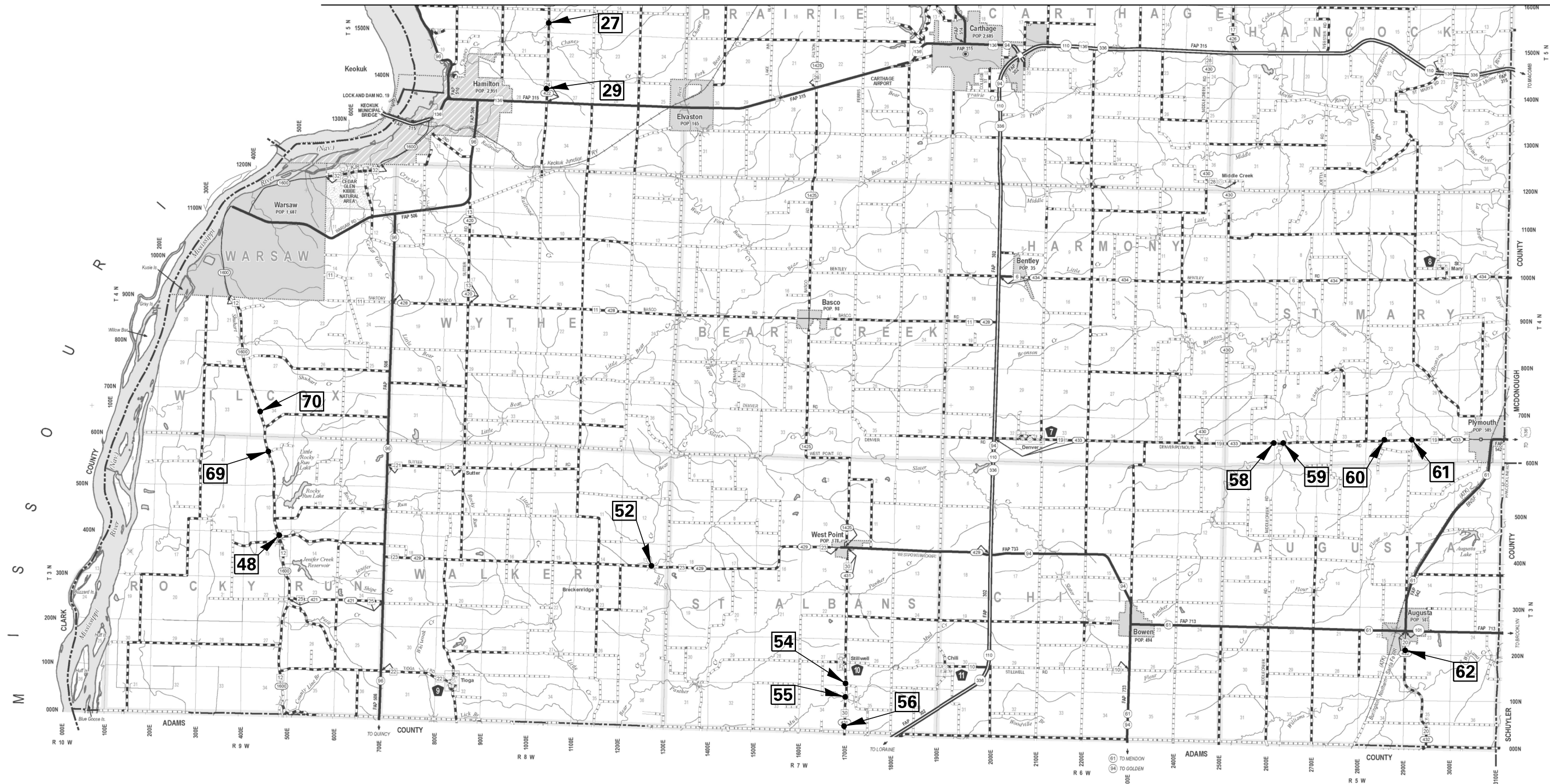
**HANCOCK COUNTY
 GUARDRAIL IMPROVEMENTS**

**LOCATION MAP
 NORTH HANCOCK COUNTY**

SCALE: SHEET NO. OF SHEETS STA. TO STA.

• VARIOUS				
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	17-00132-00-GR	HANCOCK	37	9
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 93728	

MATCHLINE - NORTH HANCOCK COUNTY



CEC Cummins
Engineering
Corporation
Civil and Structural Engineering

JOB = 2528.1
FILE NAME = #FILES#
PLOT SCALE = #SCALE#
PLOT DATE = #DATE#

DESIGNED - CGF
DRAWN - SJS
CHECKED - NAK
DATE - 3/29/2018

REVISED -
REVISED -
REVISED -
REVISED -

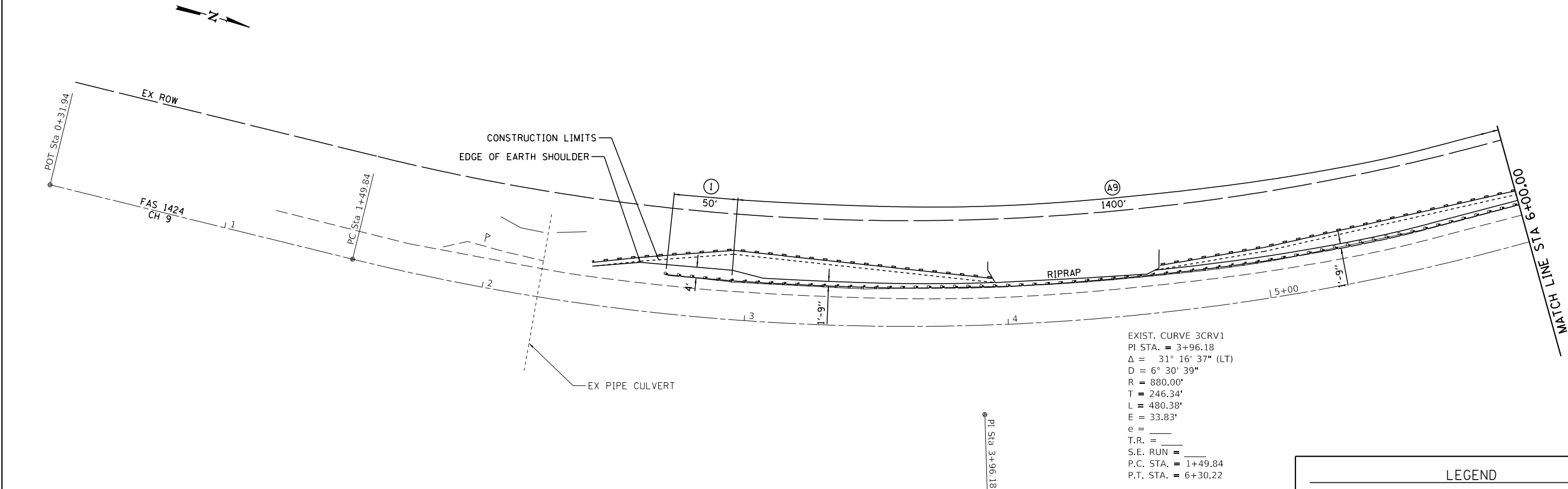
**HANCOCK COUNTY
GUARDRAIL IMPROVEMENTS**

**LOCATION MAP
SOUTH HANCOCK COUNTY**

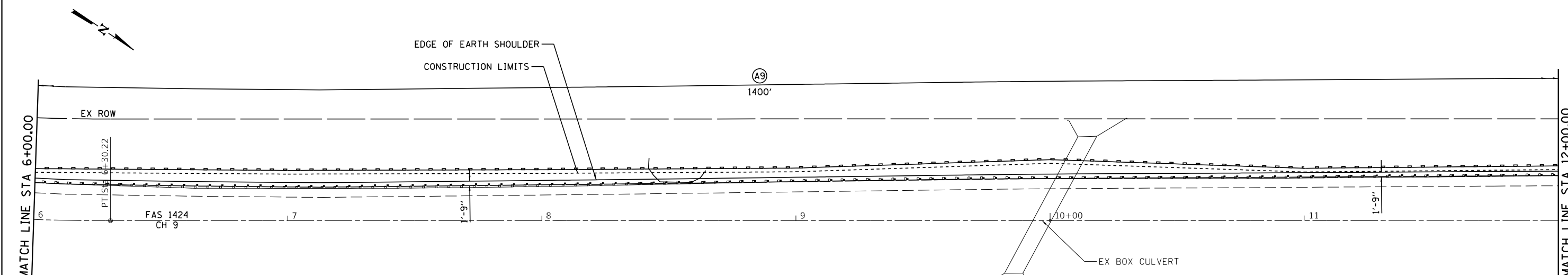
SCALE: SHEET NO. OF SHEETS STA. TO STA.

• VARIOUS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	17-00132-00-GR	HANCOCK	37	10
			CONTRACT NO. 93728	
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



LEGEND	
	PERIMETER EROSION BARRIER
	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS
	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT



CH 9			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	0+31.94	1435839.86	1988339.11
PC	1+49.84	1435957.63	1988333.65
PI	3+96.18	1436203.71	1988322.25
PT	6+30.22	1436408.10	1988184.76
POT	10+00.00	1436714.92	1987978.36
PC	12+80.29	1436947.48	1987821.91
PI	14+92.73	1437123.75	1987703.33
PT	17+04.15	1437317.50	1987616.20
POT	20+32.87	1437617.30	1987481.37

LOCATION NO. 3
 MAJOR COLLECTOR
 ADT 400 (2018)
 DESIGN SPEED 50 MPH



JOB = 2528.1
 FILE NAME = *FILES*
 PLOT SCALE = *SCALE*
 PLOT DATE = *DATE*

DESIGNED - CGF
 DRAWN - CGF
 CHECKED - NAK
 DATE - 4/03/2018

REVISED -
 REVISED -
 REVISED -
 REVISED -

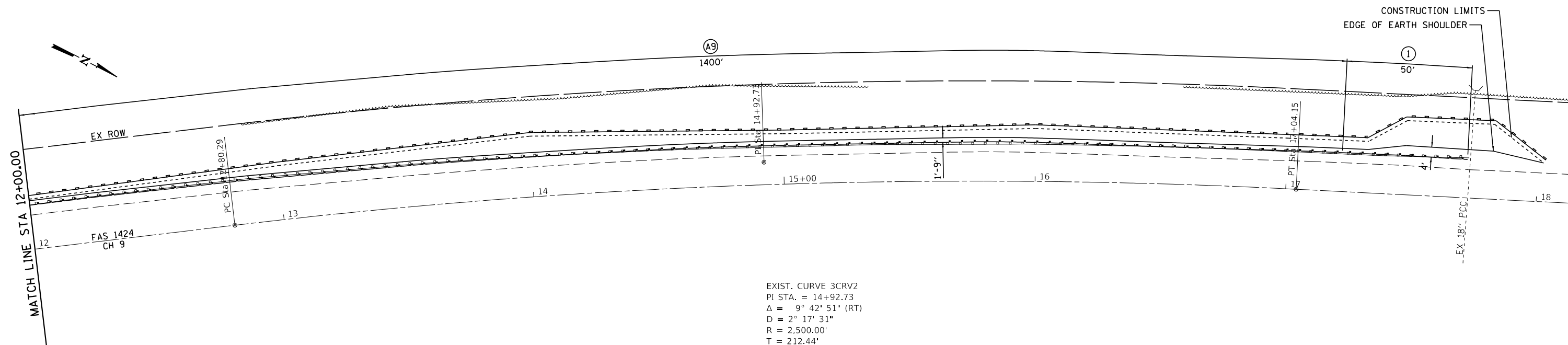
**HANCOCK COUNTY
 GUARDRAIL IMPROVEMENTS**

PLAN LOCATION 3

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00132-00-GR	HANCOCK	37	11
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

CONTRACT NO. 93728



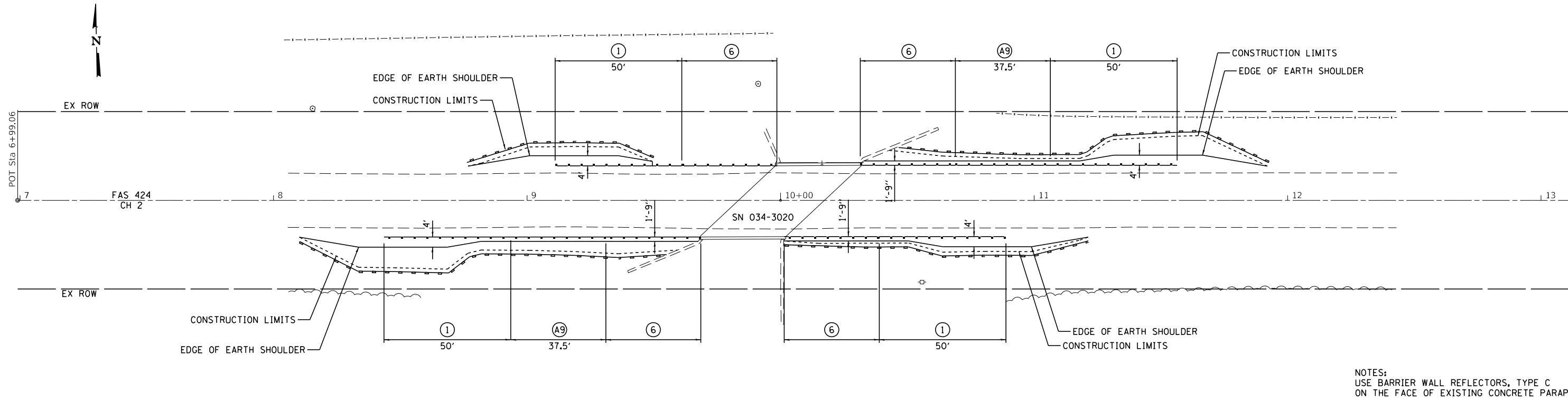
EXIST. CURVE 3CRV2
 PI STA. = 14+92.73
 Δ = 9° 42' 51" (RT)
 D = 2° 17' 31"
 R = 2,500.00'
 T = 212.44'
 L = 423.87'
 E = 9.01'
 e = _____
 T.R. = _____
 S.E. RUN = _____
 P.C. STA. = 12+80.29
 P.T. STA. = 17+04.15

LEGEND

- PERIMETER EROSION BARRIER
- (A9) STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS
- (1) TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

CH 9			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	0+31.94	1435839.86	1988339.11
PC	1+49.84	1435957.63	1988333.65
PI	3+96.18	1436203.71	1988322.25
PT	6+30.22	1436408.10	1988184.76
POT	10+00.00	1436714.92	1987978.36
PC	12+80.29	1436947.48	1987821.91
PI	14+92.73	1437123.75	1987703.33
PT	17+04.15	1437317.50	1987616.20
POT	20+32.87	1437617.30	1987481.37

LOCATION NO. 3
 MAJOR COLLECTOR
 ADT 400 (2018)
 DESIGN SPEED 50 MPH



NOTES:
 USE BARRIER WALL REFLECTORS, TYPE C ON THE FACE OF EXISTING CONCRETE PARAPET.
 USE CURB REFLECTORS ON THE EDGE OF EXISTING CURB.

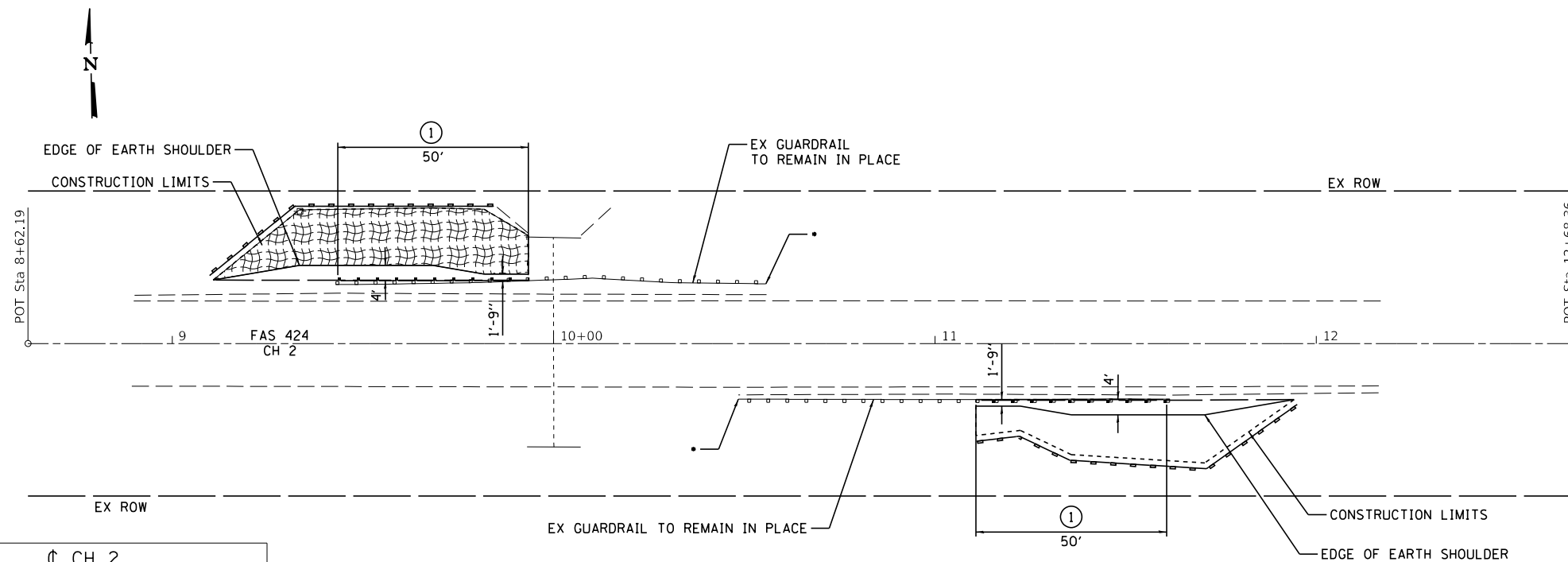
CH 2			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	6+99.06	1421427.98	2004499.59
POT	10+00.00	1421422.00	2004800.46
POT	13+50.15	1421415.04	2005150.54

LEGEND	
	PERIMETER EROSION BARRIER
	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS
	TRAFFIC BARRIER TERMINAL, TYPE 6
	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

LOCATION NO. 4
 MAJOR COLLECTOR
 ADT 350 (2018)
 DESIGN SPEED 40 MPH

MODEL: Default
 FILE NAME: 2528.1 Hancock Co. HSR GR PE ILLCADDSheets2528.1-ehpplan_4.dgn

SEC 28, T7N, R7W, 4TH PM



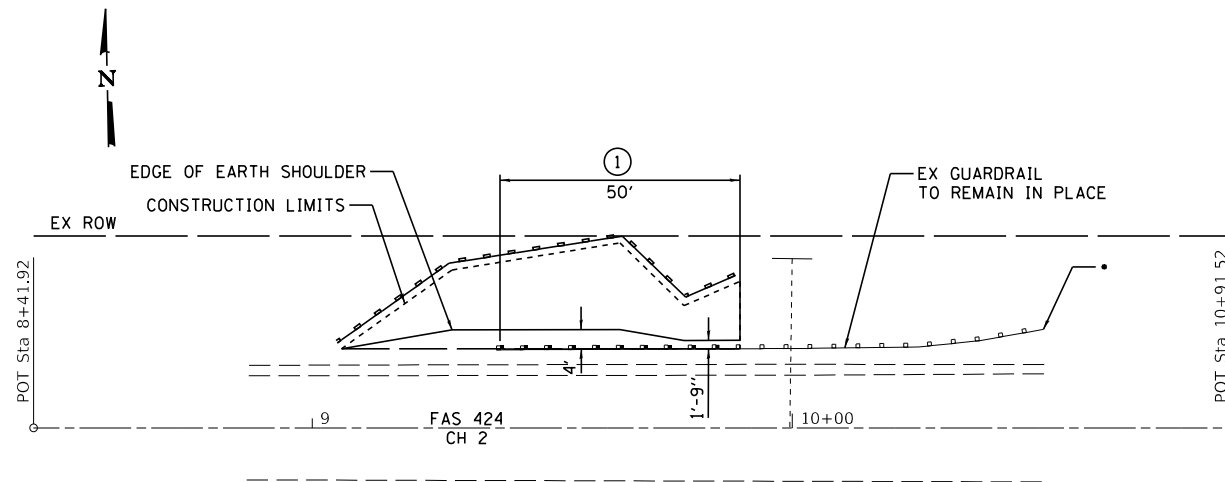
CH 2			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	8+62.19	1421320.36	2009971.76
POT	10+00.00	1421317.50	2010109.55
POT	12+68.36	1421311.92	2010377.84

• TERMINAL MARKERS - DIRECT APPLIED (EXISTING MARKER IS MISSING)

LOCATION NO. 6
MAJOR COLLECTOR
ADT 350 (2018)
DESIGN SPEED 40 MPH

SEC 33, T7N, R7W, 4TH PM

SEC 28, T7N, R7W, 4TH PM



CH 2			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	8+41.92	1421380.97	2006802.57
POT	10+00.00	1421377.62	2006960.61
POT	10+91.52	1421375.68	2007052.11

• TERMINAL MARKERS - DIRECT APPLIED (EXISTING MARKER IS MISSING)

LOCATION NO. 5
MAJOR COLLECTOR
ADT 350 (2018)
DESIGN SPEED 40 MPH

SEC 33, T7N, R7W, 4TH PM

LEGEND	
	PERIMETER EROSION BARRIER
	EROSION CONTROL BLANKET
	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

MODEL: Default
FILE NAME: 2528.1 Hancock Co HSIP GR PE ILLCADD: Sheets\2528.1-ehp\plan_5.dgn

CEC Cummins
Engineering
Corporation
Civil and Structural Engineering

JOB = 2528.1	DESIGNED - CGF	REVISED -
FILE NAME = 2528.1-ehp\plan_5.dgn	DRAWN - CGF	REVISED -
PLOT SCALE = 40,000' / 1in.	CHECKED - NAK	REVISED -
PLOT DATE = 3/7/2019	DATE - 02/28/2018	REVISED -

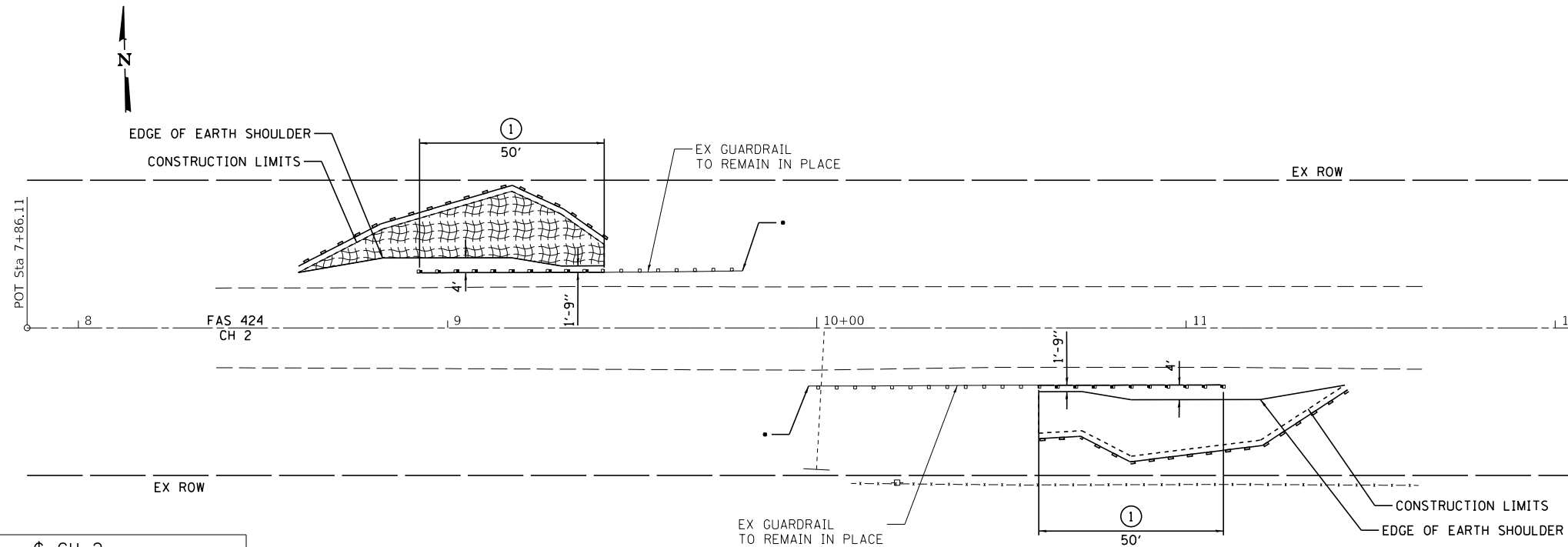
**HANCOCK COUNTY
GUARDRAIL IMPROVEMENTS**

PLAN LOCATIONS 5 AND 6

SCALE: SHEET OF SHEETS STA. TO STA.

ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00132-00-GR	HANCOCK	37	14
CONTRACT NO. 93728				
ILLINOIS FED. AID PROJECT				

SEC 27, T7N, R7W, 4TH PM



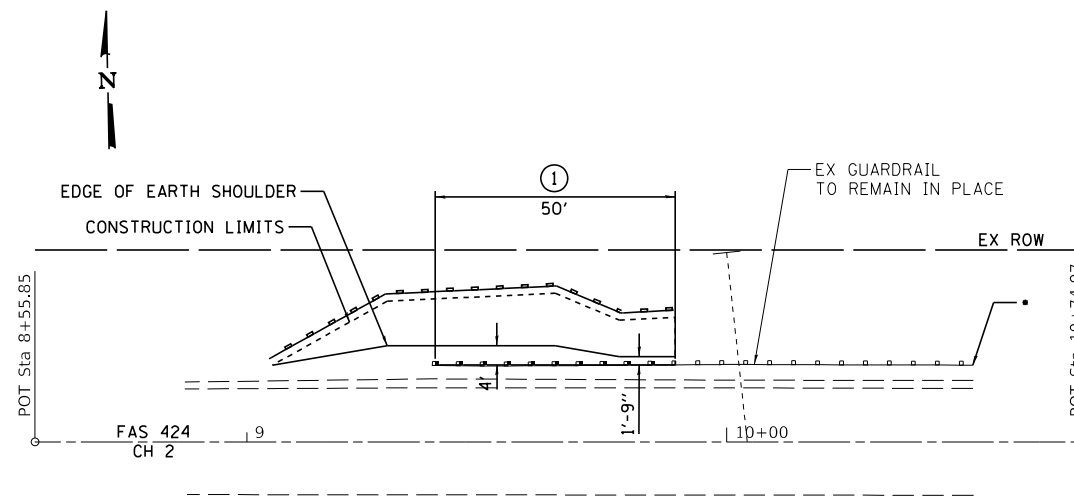
CH 2			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	7+86.11	1421262.44	2012902.01
POT	10+00.00	1421257.68	2013115.77
POT	12+07.14	1421253.07	2013322.93

• TERMINAL MARKERS - DIRECT APPLIED (EXISTING MARKER IS MISSING)

LOCATION NO. 8
MAJOR COLLECTOR
ADT 350 (2018)
DESIGN SPEED 40 MPH

SEC 34, T7N, R7W, 4TH PM

SEC 27, T7N, R7W, 4TH PM



CH 2			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	8+55.85	1421278.26	2012060.17
POT	10+00.00	1421275.38	2012204.29
POT	10+74.97	1421273.89	2012279.25

• TERMINAL MARKERS - DIRECT APPLIED (EXISTING MARKER IS MISSING)

LOCATION NO. 7
MAJOR COLLECTOR
ADT 350 (2018)
DESIGN SPEED 40 MPH

SEC 34, T7N, R7W, 4TH PM

LEGEND

- PERIMETER EROSION BARRIER
- EROSION CONTROL BLANKET
- TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

MODEL: \\MODELS\FILES
FILE NAME: 37153



JOB = 2528.1
FILE NAME = \$FILES\$
PLOT SCALE = \$SCALES\$
PLOT DATE = \$DATES\$

DESIGNED - CGF
DRAWN - CGF
CHECKED - NAK
DATE - 02/28/2018

REVISED -
REVISED -
REVISED -
REVISED -

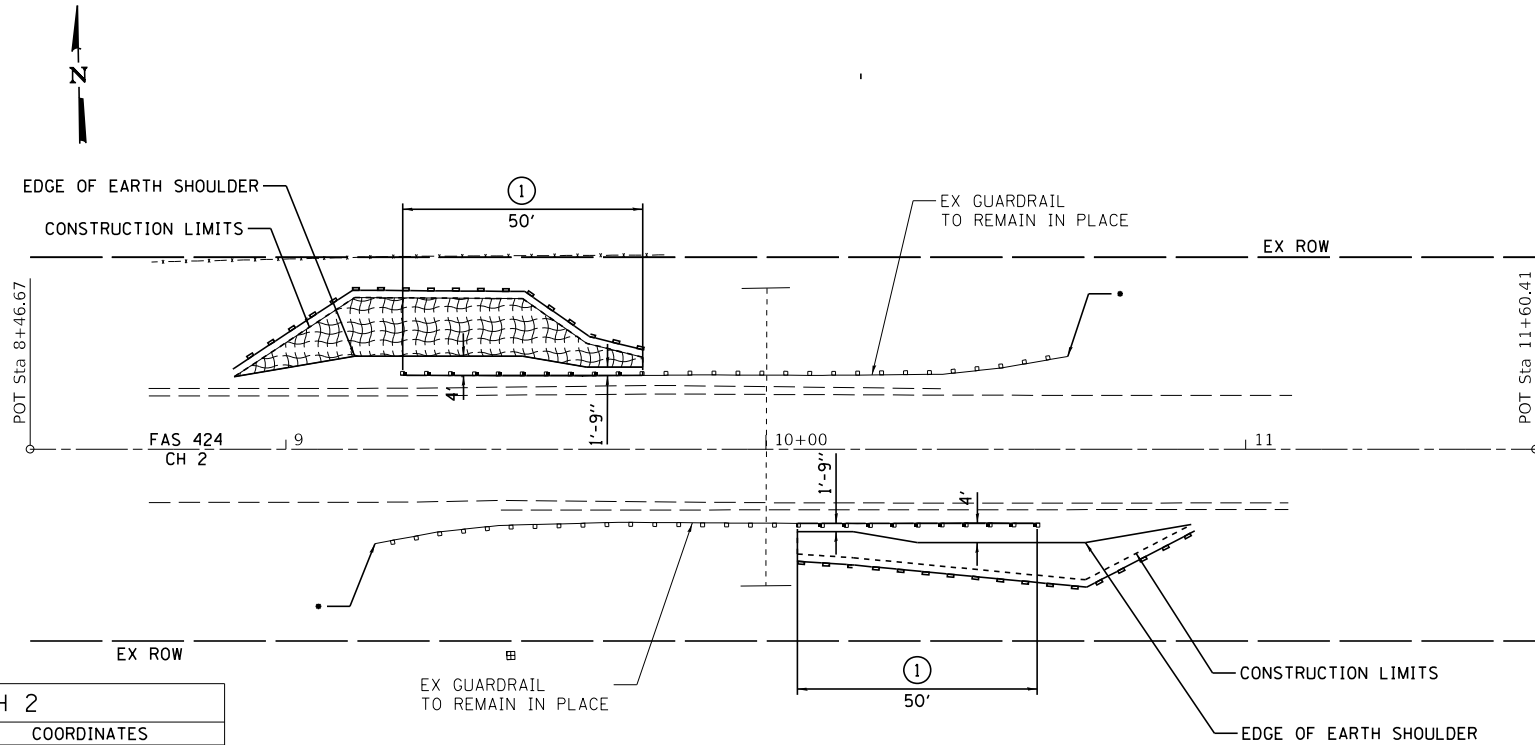
HANCOCK COUNTY
GUARDRAIL IMPROVEMENTS

PLAN LOCATIONS 7 AND 8

SCALE: SHEET OF SHEETS STA. TO STA.

ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00132-00-GR	HANCOCK	37	15
CONTRACT NO. 93728				
ILLINOIS FED. AID PROJECT				

SEC 27, T7N, R7W, 4TH PM



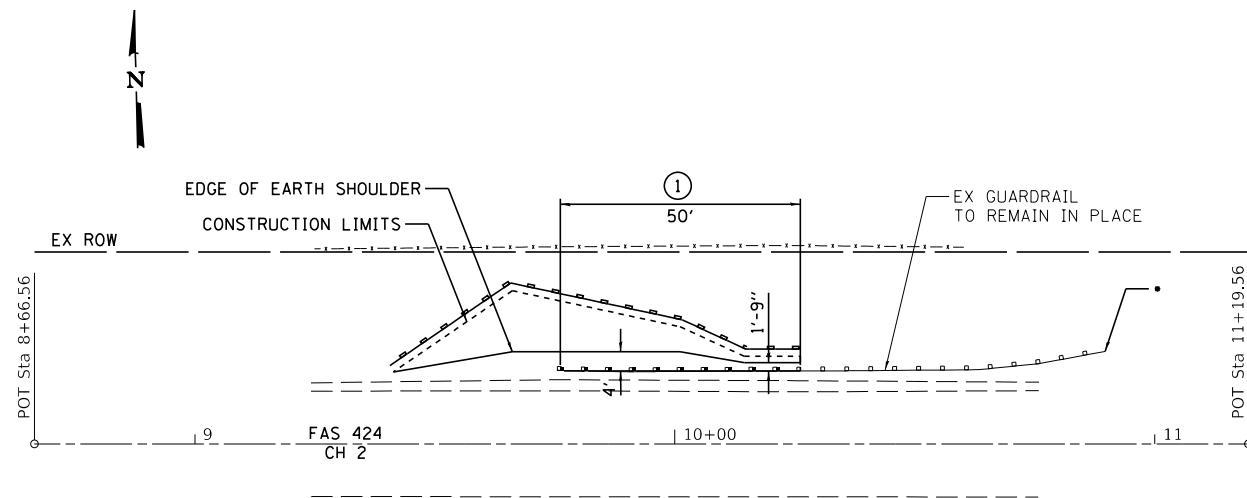
CH 2			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	8+46.67	1421207.01	2015579.65
POT	10+00.00	1421204.34	2015732.95
POT	11+60.41	1421201.55	2015893.34

• TERMINAL MARKERS - DIRECT APPLIED (EXISTING MARKER IS MISSING)

LOCATION NO. 10
MAJOR COLLECTOR
ADT 350 (2018)
DESIGN SPEED 40 MPH

SEC 34, T7N, R7W, 4TH PM

SEC 27, T7N, R7W, 4TH PM



CH 2			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	8+66.56	1421245.21	2013641.62
POT	10+00.00	1421242.10	2013775.02
POT	11+19.56	1421239.31	2013894.55

• TERMINAL MARKERS - DIRECT APPLIED (EXISTING MARKER IS MISSING)

LOCATION NO. 9
MAJOR COLLECTOR
ADT 350 (2018)
DESIGN SPEED 40 MPH

SEC 34, T7N, R7W, 4TH PM

LEGEND

- PERIMETER EROSION BARRIER
- EROSION CONTROL BLANKET
- TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

MODEL: Default
FILE NAME: 2528.1 Hancock Co. HSR GR PE ILLCADD\Sheets\2528.1-ehp\plan_9_10.dgn



JOB = 2528.1
FILE NAME = 2528.1-ehp\plan_9_10.dgn
PLOT SCALE = 40,000' / 1in.
PLOT DATE = 3/7/2019

DESIGNED - CGF
DRAWN - CGF
CHECKED - NAK
DATE - 02/28/2018

REVISED -
REVISED -
REVISED -
REVISED -

HANCOCK COUNTY
GUARDRAIL IMPROVEMENTS

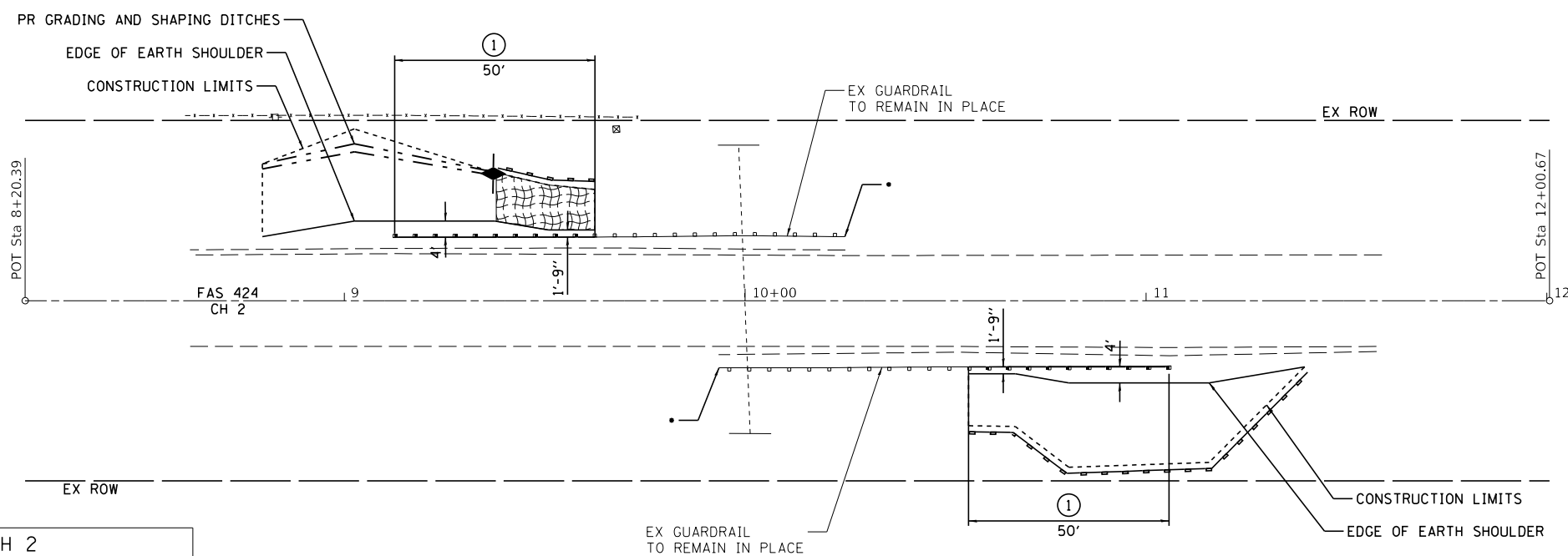
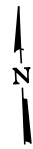
PLAN LOCATIONS 9 AND 10

SCALE: SHEET OF SHEETS STA. TO STA.

ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00132-00-GR	HANCOCK	37	16
			CONTRACT NO. 93728	

ILLINOIS FED. AID PROJECT

SEC 30, T7N, R6W, 4TH PM



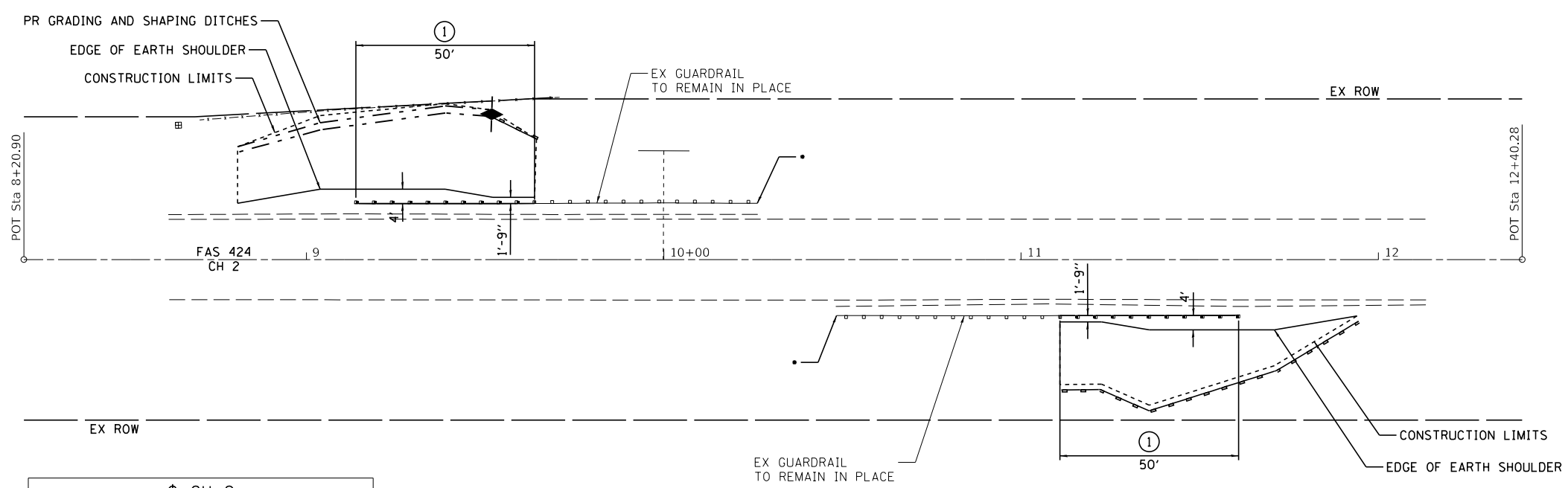
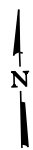
CH 2			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	8+20.39	1421075.76	2021637.49
POT	10+00.00	1421067.98	2021816.86
POT	12+00.67	1421059.28	2022017.41

• TERMINAL MARKERS - DIRECT APPLIED (EXISTING MARKER IS MISSING)

LOCATION NO. 12
MAJOR COLLECTOR
ADT 350 (2018)
DESIGN SPEED 40 MPH

SEC 31, T7N, R6W, 4TH PM

SEC 26, T7N, R7W, 4TH PM



CH 2			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	8+20.90	1421166.86	2017793.00
POT	10+00.00	1421162.77	2017972.05
POT	12+40.28	1421157.30	2018212.26

LEGEND	
	TEMPORARY DITCH CHECKS
	PERIMETER EROSION BARRIER
	EROSION CONTROL BLANKET
	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

• TERMINAL MARKERS - DIRECT APPLIED (EXISTING MARKER IS MISSING)

LOCATION NO. 11
MAJOR COLLECTOR
ADT 350 (2018)
DESIGN SPEED 40 MPH

SEC 35, T7N, R7W, 4TH PM

MODEL: S:\MODELS\MAMES
FILE NAME: STILES



JOB = 2528.1	DESIGNED - CGF	REVISED -
FILE NAME = SFILES\$	DRAWN - CGF	REVISED -
PLOT SCALE = \$Scales	CHECKED - NAK	REVISED -
PLOT DATE = \$DATES	DATE - 02/28/2018	REVISED -

**HANCOCK COUNTY
GUARDRAIL IMPROVEMENTS**

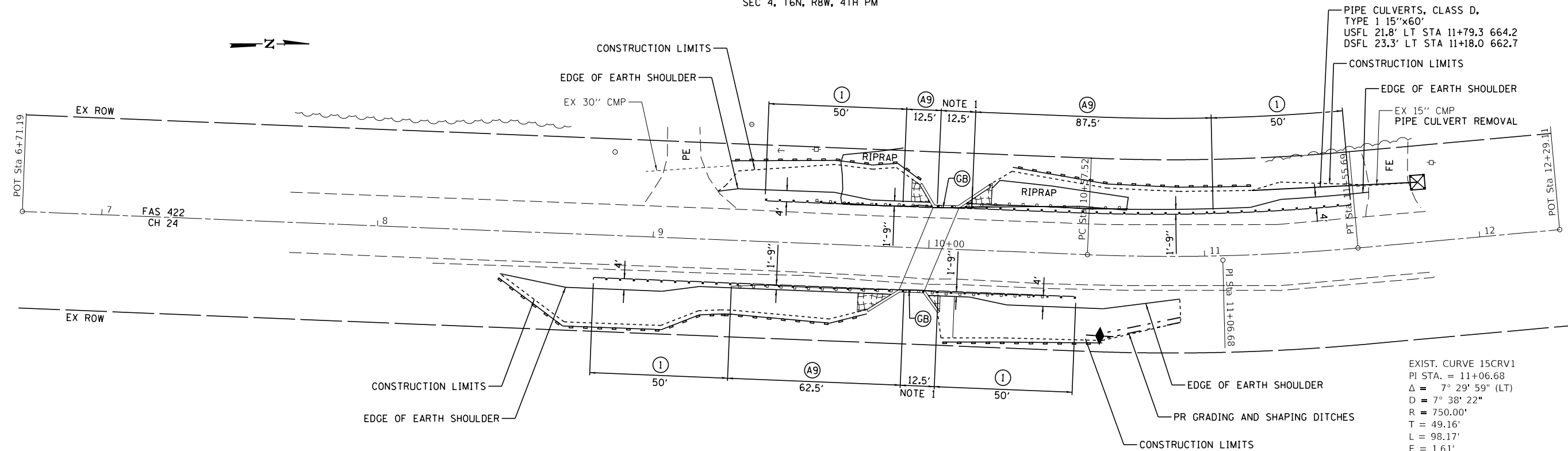
PLAN LOCATIONS 11 AND 12

SCALE: SHEET OF SHEETS STA. TO STA.

ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00132-00-GR	HANCOCK	37	17
CONTRACT NO. 93728				

ILLINOIS FED. AID PROJECT

SEC 4, T6N, R8W, 4TH PM



EXIST. CURVE 15CRV1
 PI STA. = 11+06.68
 $\Delta = 7^\circ 29' 59''$ (LT)
 $D = 7^\circ 38' 22''$
 $R = 750.00'$
 $T = 49.16'$
 $L = 98.17'$
 $E = 1.61'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 10+57.52$
 $P.T. STA. = 11+55.69$

SEC 3, T6N, R8W, 4TH PM

NOTE 1
 EXISTING GUARDRAIL ELEMENTS AND STEEL BLOCKOUTS SHALL BE REMOVED AND THE EXISTING POSTS SHALL REMAIN IN PLACE. NEW STEEL PLATE BEAM GUARDRAIL ELEMENTS AND 6" BLOCKOUTS AS SHOWN ON STANDARD BLR 26 SHALL BE INSTALLED ON THE EXISTING POSTS.

BM*15 - N.E. CORNER OF WEST HEADWALL
 15.8' LT. STA 10+10
 ELEV. 665.38

CH 24			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	6+71.19	1416094.34	1979553.88
PC	10+57.52	1416480.36	1979569.32
PI	11+06.68	1416529.48	1979571.28
PT	11+55.69	1416578.43	1979566.82
POT	12+29.11	1416651.54	1979560.15

LEGEND

- ◆ TEMPORARY DITCH CHECKS
- ▬ PERIMETER EROSION BARRIER
- ⊠ INLET AND PIPE PROTECTION
- ▨ EROSION CONTROL BLANKET
- Ⓐ STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS
- ① TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
- Ⓒ GUARDRAIL BLOCKS

LOCATION NO. 15
 MAJOR COLLECTOR
 ADT 900 (2018)
 DESIGN SPEED 50 MPH

MODEL: S:\MODELS\NAMES
 FILE NAME: STILES

CEC Cummins
 Engineering
 Corporation
 Civil and Structural Engineering

JOB = 2528.1
 FILE NAME = \$FILES\$
 PLOT SCALE = \$SCALES\$
 PLOT DATE = \$DATES\$

DESIGNED - CGF
 DRAWN - CGF
 CHECKED - NAK
 DATE - 02/21/2018

REVISED -
 REVISED -
 REVISED -
 REVISED -

HANCOCK COUNTY
 GUARDRAIL IMPROVEMENTS

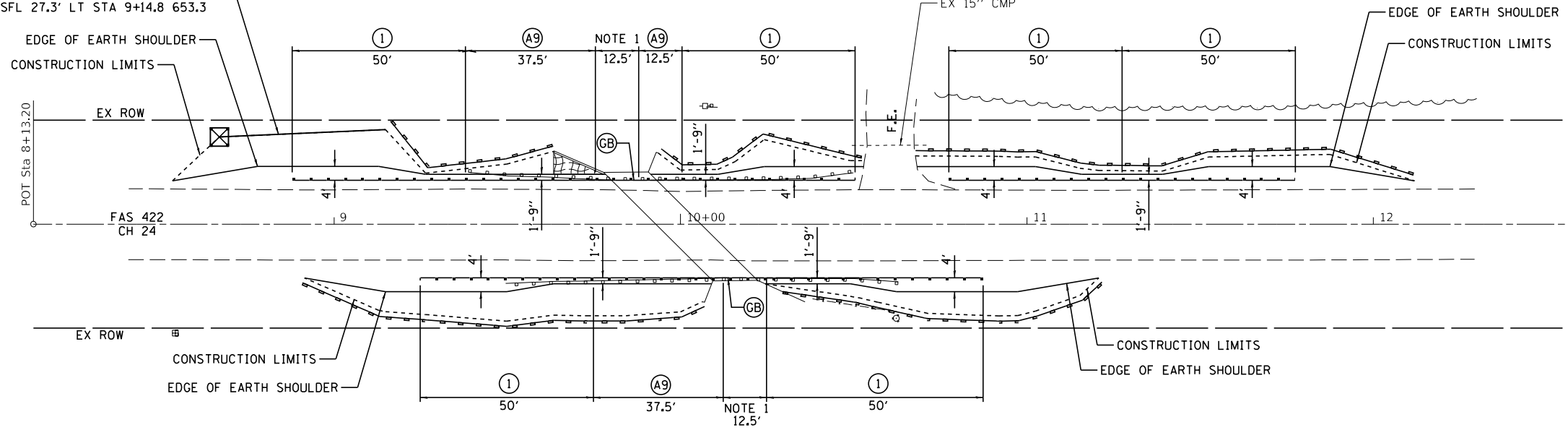
PLAN LOCATION 15

SCALE: SHEET OF SHEETS STA. TO STA.

ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00132-00-GR	HANCOCK	37	18
CONTRACT NO. 93728				
ILLINOIS FED. AID PROJECT				

SEC 4, T5N, R8W, 4TH PM

PIPE CULVERTS, CLASS D,
TYPE 1 15"x48'
USFL 25.1' LT STA 8+66.9 654.4
DSFL 27.3' LT STA 9+14.8 653.3



NOTE 1
EXISTING GUARDRAIL ELEMENTS AND STEEL BLOCKOUTS SHALL BE REMOVED AND THE EXISTING POSTS SHALL REMAIN IN PLACE. NEW STEEL PLATE BEAM GUARDRAIL ELEMENTS AND 6" BLOCKOUTS AS SHOWN ON STANDARD BLR 26 SHALL BE INSTALLED ON THE EXISTING POSTS.

CH 24			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	8+13.20	1382613.53	1978592.06
POT	10+00.00	1382800.22	1978598.49
POT	12+61.80	1383061.87	1978607.51

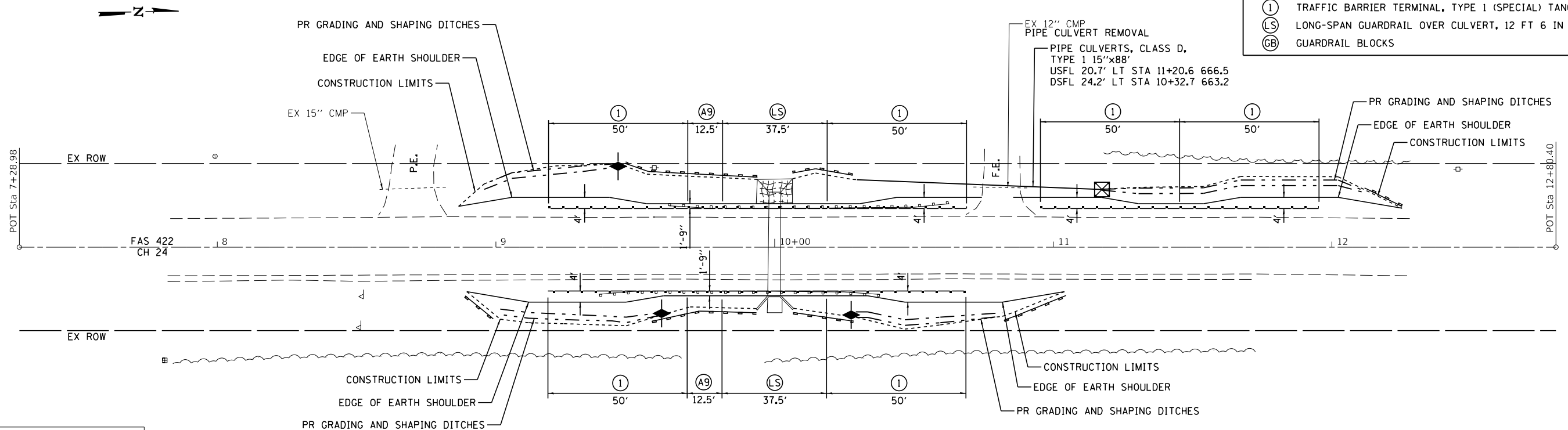
BM#24 - S.W. CORNER OF WEST HEADWALL
14.9' LT. STA 9+78
ELEV. 657.64

LOCATION NO. 24
MAJOR COLLECTOR
ADT 950 (2018)
DESIGN SPEED 50 MPH

LEGEND	
	TEMPORARY DITCH CHECKS
	PERIMETER EROSION BARRIER
	INLET AND PIPE PROTECTION
	EROSION CONTROL BLANKET
	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS
	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
	LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN
	GUARDRAIL BLOCKS

SEC 3, T5N, R8W, 4TH PM

SEC 28, T6N, R8W, 4TH PM



CH 24			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	7+28.98	1392925.72	1978858.71
POT	10+00.00	1393196.70	1978862.61
POT	12+80.40	1393477.08	1978866.66

BM#22 - N.W. CORNER OF WEST HEADWALL
19.8' LT. STA 10+02
ELEV. 663.87

LOCATION NO. 22
MAJOR COLLECTOR
ADT 950 (2018)
DESIGN SPEED 50 MPH

SEC 27, T6N, R8W, 4TH PM

**HANCOCK COUNTY
GUARDRAIL IMPROVEMENTS**

PLAN LOCATIONS 22 AND 24

SCALE: SHEET OF SHEETS STA. TO STA.

ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00132-00-GR	HANCOCK	37	19
			CONTRACT NO. 93728	

ILLINOIS FED. AID PROJECT

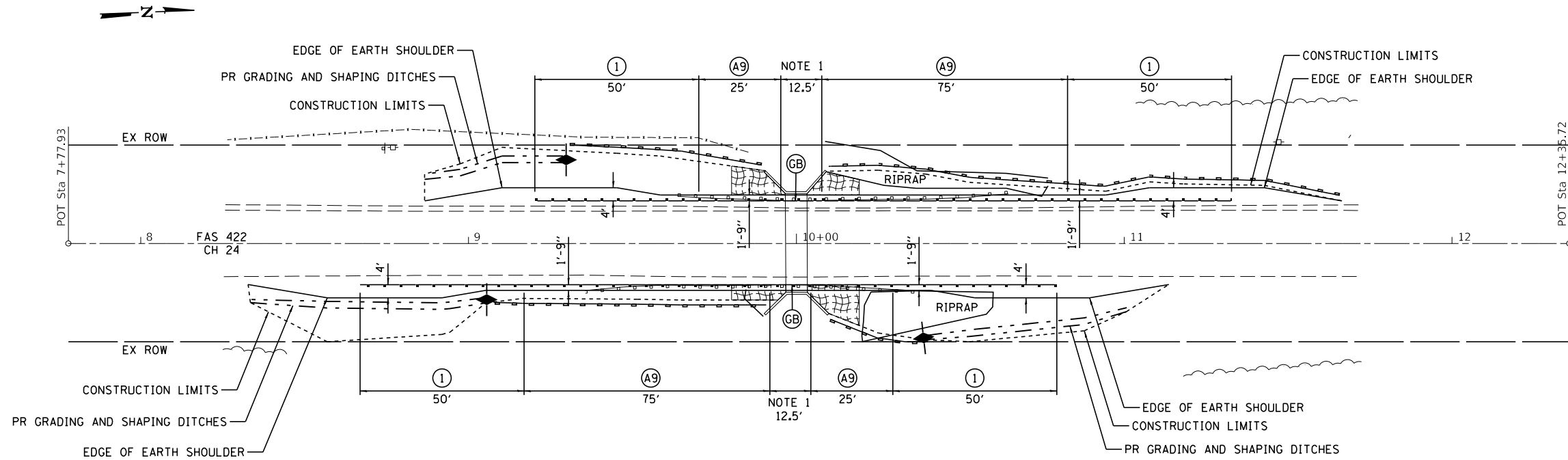
MODEL: Default
FILE NAME: 2528.1-2528.1-Hancock_Co_HSR_Gr_Plan_Location_22_24.dgn

CEC Cummins
Engineering
Corporation
Civil and Structural Engineering

JOB = 2528.1
FILE NAME = 2528.1-shp-plan_22_24.dgn
PLOT SCALE = 40,000' / in.
PLOT DATE = 3/7/2019

DESIGNED - CGF
DRAWN - CGF
CHECKED - NAK
DATE - 02/23/2018

REVISED -
REVISED -
REVISED -
REVISED -



NOTE 1
 EXISTING GUARDRAIL ELEMENTS AND STEEL BLOCKOUTS SHALL BE REMOVED AND THE EXISTING POSTS SHALL REMAIN IN PLACE. NEW STEEL PLATE BEAM GUARDRAIL ELEMENTS AND 6" BLOCKOUTS AS SHOWN ON STANDARD BLR 26 SHALL BE INSTALLED ON THE EXISTING POSTS.

BM#15 - N.E. CORNER OF WEST HEADWALL
 15.8' LT. STA 10+10
 ELEV. 665.38

LEGEND

- TEMPORARY DITCH CHECKS
- PERIMETER EROSION BARRIER
- EROSION CONTROL BLANKET
- STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS
- TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
- GUARDRAIL BLOCKS

CH 24

CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	7+77.93	1374827.45	1978320.93
POT	10+00.00	1375049.37	1978329.31
POT	12+35.72	1375284.92	1978338.20

LOCATION NO. 26
 MAJOR COLLECTOR
 ADT 950 (2018)
 DESIGN SPEED 50 MPH

MODEL: SHORLENNAMES
FILE NAME: STILES

CEC Cummins
 Engineering
 Corporation
 Civil and Structural Engineering

JOB = 2528.1	DESIGNED - CGF	REVISED -
FILE NAME = \$FILES\$	DRAWN - CGF	REVISED -
PLOT SCALE = \$SCALES\$	CHECKED - NAK	REVISED -
PLOT DATE = \$DATES\$	DATE - 02/02/2018	REVISED -

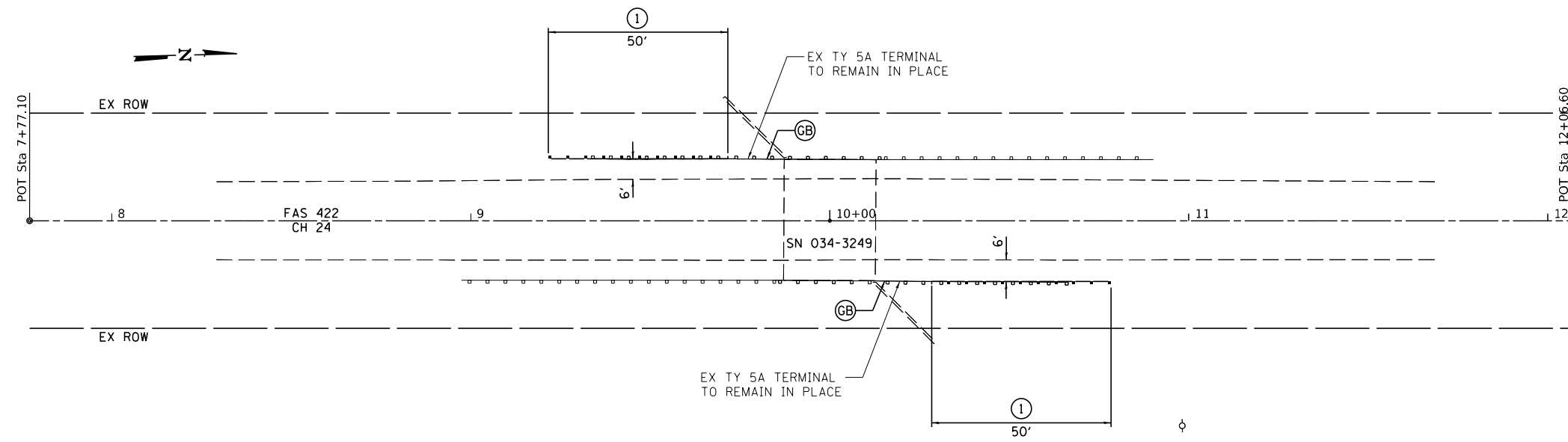
**HANCOCK COUNTY
 GUARDRAIL IMPROVEMENTS**

PLAN LOCATION 26

SCALE: SHEET OF SHEETS STA. TO STA.

ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00132-00-GR	HANCOCK	37	20
CONTRACT NO. 93728				

ILLINOIS FED. AID PROJECT



CH 24			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	7+77.10	1369093.77	1978178.78
POT	10+00.00	1369316.60	1978184.59
POT	12+06.60	1369523.12	1978189.97

LEGEND

①	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
⊙	GUARDRAIL BLOCKS

LOCATION NO. 27
 MAJOR COLLECTOR
 ADT 900 (2018)
 DESIGN SPEED 50 MPH

MODEL: Default
 FILE NAME: 17-00132-1 Hancock Co HSIP GR PE ILLCADD:Sheets2528-1-ahpplan_27.dgn



JOB = 2528.1	DESIGNED - CGF	REVISED -
FILE NAME = 2528.1-ahpplan_27.dgn	DRAWN - CGF	REVISED -
PLOT SCALE = 40,000' / 1in.	CHECKED - NAK	REVISED -
PLOT DATE = 3/5/2019	DATE - 02/28/2018	REVISED -

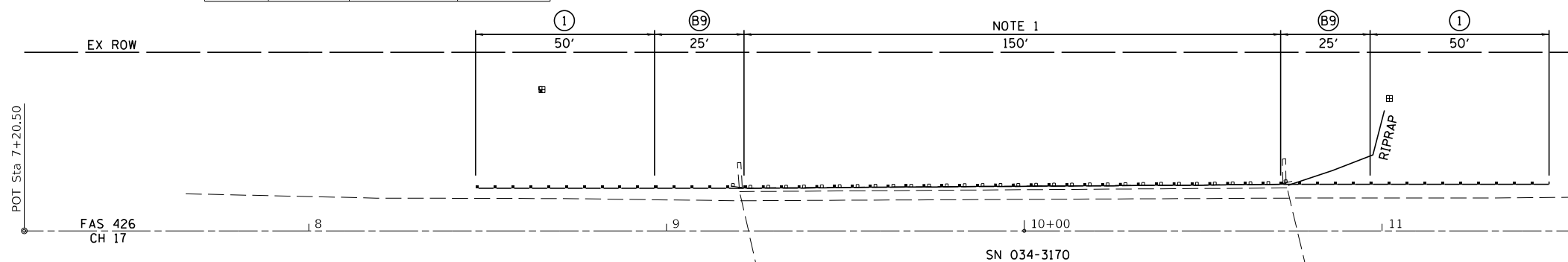
**HANCOCK COUNTY
 GUARDRAIL IMPROVEMENTS**

PLAN LOCATION 27

SCALE: SHEET OF SHEETS STA. TO STA.

ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00132-00-GR	HANCOCK	37	21
CONTRACT NO. 93728				
ILLINOIS FED. AID PROJECT				

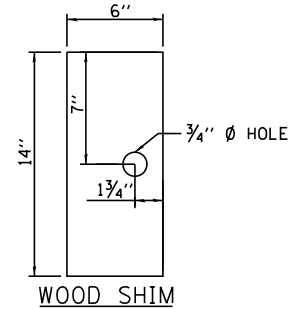
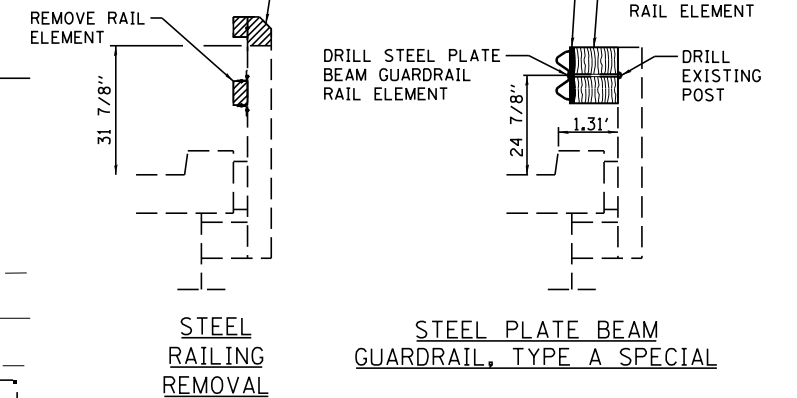
CH 17			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	7+20.50	1399048.32	2067390.91
POT	10+00.00	1399314.41	2067305.38
POT	13+14.81	1399614.12	2067209.05



NOTE 1
EXISTING BRIDGE RAIL ELEMENTS SHALL BE REMOVED AND THE EXISTING POSTS MODIFIED AS DETAILED. NEW 12" BLOCKOUT, WOOD SHIMS, AND STEEL PLATE BEAM GUARDRAIL ELEMENTS SHALL BE INSTALLED ON THE EXISTING POSTS. THE CUT PORTION OF THE EXISTING POSTS SHALL BE TREATED ACCORDING TO THE REQUIREMENTS OF AASHTO M36.

WOOD SHIMS SHALL MEET THE REQUIREMENTS OF ARTICLES 1007.01, 1007.02 AND 1007.03 OF THE STANDARD SPECIFICATIONS.

CH 17 SHALL BE CLOSED FOR REMOVAL OF EXISTING BRIDGE RAILING AND INSTALLING STEEL PLATE BEAM GUARDRAIL, RAIL ELEMENTS ON THE EXISTING POSTS. THE MAXIMUM CLOSURE TIME SHALL BE 3 CALENDAR DAYS.

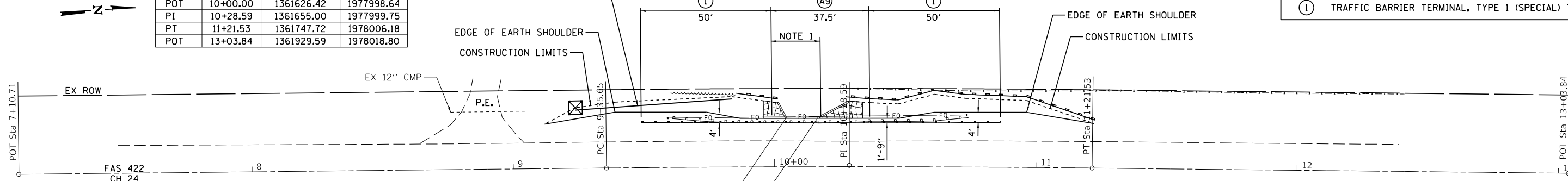


LOCATION NO. 31
MAJOR COLLECTOR
ADT 250 (2014)
DESIGN SPEED 40 MPH

LEGEND	
	PERIMETER EROSION BARRIER
	INLET AND PIPE PROTECTION
	EROSION CONTROL BLANKET
	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS
	STEEL PLATE BEAM GUARDRAIL, TYPE B, 9 FOOT POSTS
	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

CH 24			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	7+10.71	1361337.47	1977984.69
PC	9+35.65	1361562.16	1977995.34
POT	10+00.00	1361626.42	1977998.64
PI	10+28.59	1361655.00	1977999.75
PT	11+21.53	1361747.72	1978006.18
POT	13+03.84	1361929.59	1978018.80

PIPE CULVERTS, CLASS D,
TYPE 1 15"x60'
USFL 22.8' LT STA 9+36.0 636.3
DSFL 26.7' LT STA 9+95.7 633.5



EXIST. CURVE 29CRV1
PI STA. = 10+28.59
Δ = 1° 15' 11" (RT)
D = 0° 40' 27"
R = 8,500.00'
T = 92.95'
L = 185.88'
E = 0.51'
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 9+35.65
P.T. STA. = 11+21.53

BM*29 - S.W. CORNER OF WEST HEADWALL
19.0' LT. STA 10+05
ELEV. 636.82

NOTE 1
EXISTING GUARDRAIL ELEMENTS, POSTS, AND BLOCKOUTS SHALL BE REMOVED. EXISTING BRACKETS ATTACHED TO CULVERT SHALL BE REUSED. TWO NEW POSTS SHALL BE ATTACHED TO THE EXISTING HEADWALL USING THE EXISTING BRACKETS. 6" BLOCKOUTS SHALL ALSO BE USED AT THE FIRST POST ON EACH SIDE OF THE CULVERT AND AT THE TWO POSTS ATTACHED TO THE STRUCTURE. THE COST OF REMOVING THE POSTS SHALL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF GUARDRAIL PAY ITEMS.

12" BLOCKOUTS SHALL BE USED AT ALL OTHER LOCATIONS.

LOCATION NO. 29
MAJOR COLLECTOR
ADT 1100 (2018)
DESIGN SPEED 50 MPH

**HANCOCK COUNTY
GUARDRAIL IMPROVEMENTS**

PLAN LOCATIONS 29 AND 31

SCALE: SHEET OF SHEETS STA. TO STA.

ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00132-00-GR	HANCOCK	37	22
CONTRACT NO. 93728				

ILLINOIS FED. AID PROJECT

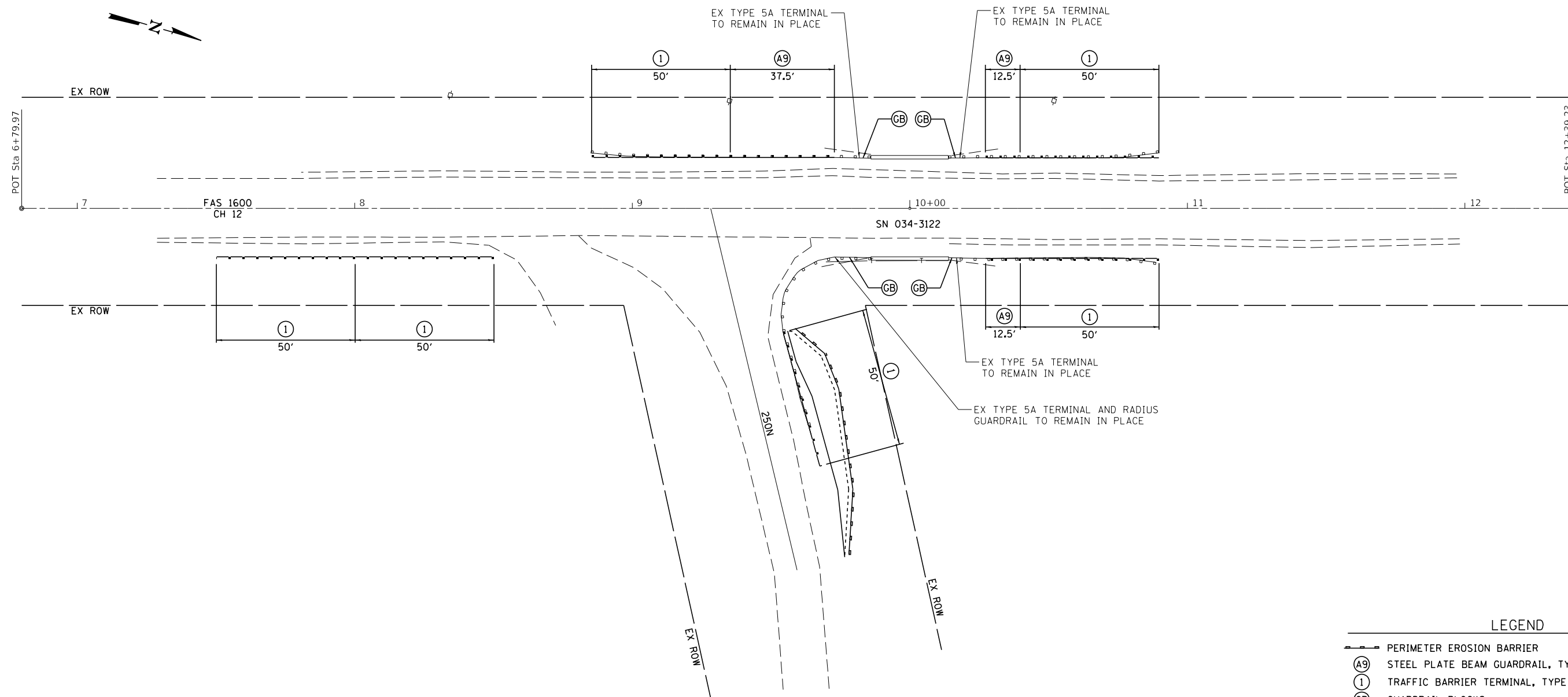
MODEL Default
FILE NAME: 17-00132-00-GR-PE-IL-CADD-Sheets\2528-1-ahh-plan_29_31.dgn

CEC Cummins
Engineering
Corporation
Civil and Structural Engineering

JOB = 2528.1
FILE NAME = 2528.1-ahh-plan_29_31.dgn
PLOT SCALE = 40,000' / 1 in.
PLOT DATE = 3/7/2019

DESIGNED - CGF
DRAWN - CGF
CHECKED - NAK
DATE - 02/02/2018

REVISED -
REVISED -
REVISED -
REVISED -



LEGEND

- PERIMETER EROSION BARRIER
- (A9) STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS
- (1) TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
- (GB) GUARDRAIL BLOCKS

CH 12			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	6+79.97	1309411.81	1946949.17
POT	10+00.00	1309718.82	1946858.92
POT	12+39.23	1309948.36	1946791.44

LOCATION NO. 48
 MAJOR COLLECTOR
 ADT 375 (2018)
 DESIGN SPEED 40 MPH

MODEL: \\MODELS\FILES
FILE NAME: STILES



JOB = 2528.1
 FILE NAME = \$FILES\$
 PLOT SCALE = \$SCALES\$
 PLOT DATE = \$DATES\$

DESIGNED - CGF
 DRAWN - CGF
 CHECKED - NAK
 DATE - 03/07/2018

REVISED -
 REVISED -
 REVISED -
 REVISED -

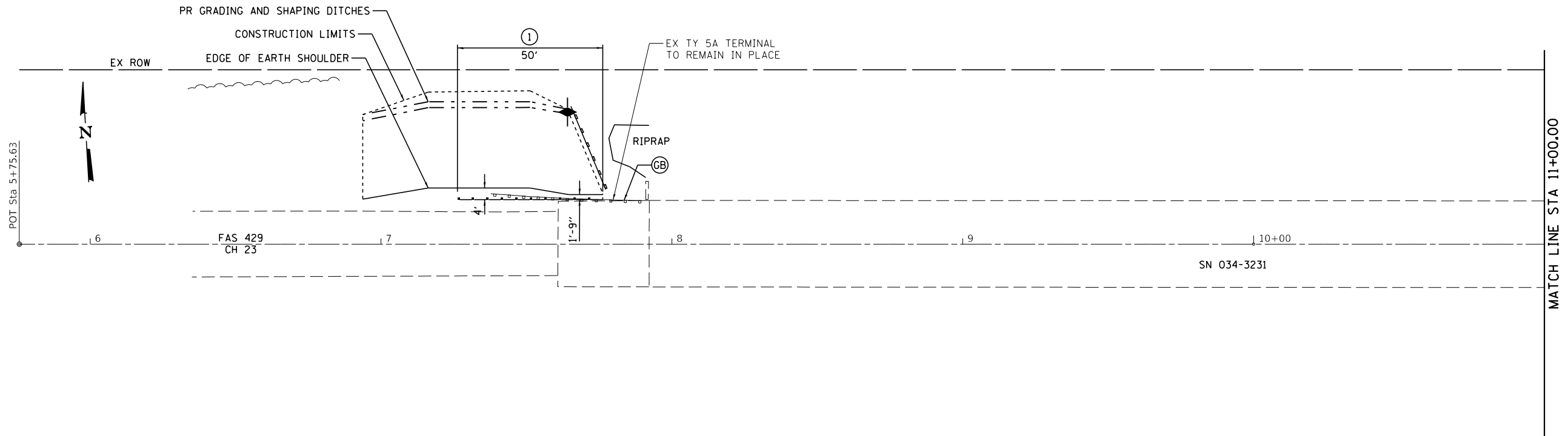
**HANCOCK COUNTY
 GUARDRAIL IMPROVEMENTS**

PLAN LOCATION 48

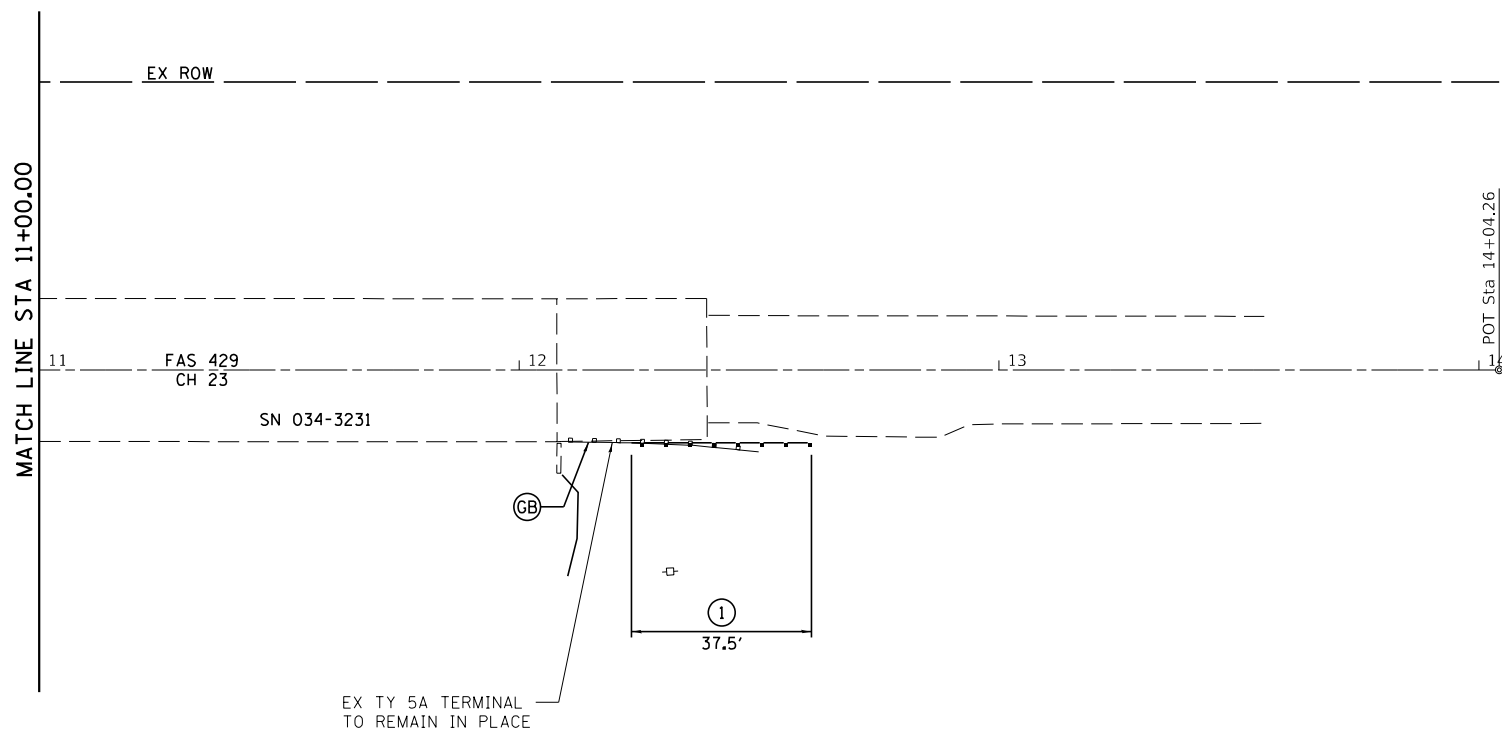
SCALE: SHEET OF SHEETS STA. TO STA.

ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00132-00-GR	HANCOCK	37	23
CONTRACT NO. 93728				
ILLINOIS FED. AID PROJECT				

SEC 13, T3N, R8W, 4TH PM



SEC 13, T3N, R8W, 4TH PM



LEGEND

- TEMPORARY DITCH CHECKS
- PERIMETER EROSION BARRIER
- TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
- GUARDRAIL BLOCKS

CH 23

CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	5+75.63	1306261.75	1989922.48
POT	10+00.00	1306236.98	1990346.13
POT	14+04.26	1306213.38	1990749.70

LOCATION NO. 52
 MAJOR COLLECTOR
 ADT 125 (2018)
 DESIGN SPEED 40 MPH

MODEL: Default
 FILE NAME: I:\32281 Hancock Co HSR GR PE ILLCAD\Drawings\25281-1-hh-pln_52.dgn



JOB = 2528.1
 FILE NAME = 2528.1-hh-pln_52.dgn
 PLOT SCALE = 40,000' / 1" = 40000
 PLOT DATE = 3/5/2019

DESIGNED - CGF
 DRAWN - CGF
 CHECKED - NAK
 DATE - 02/28/2018

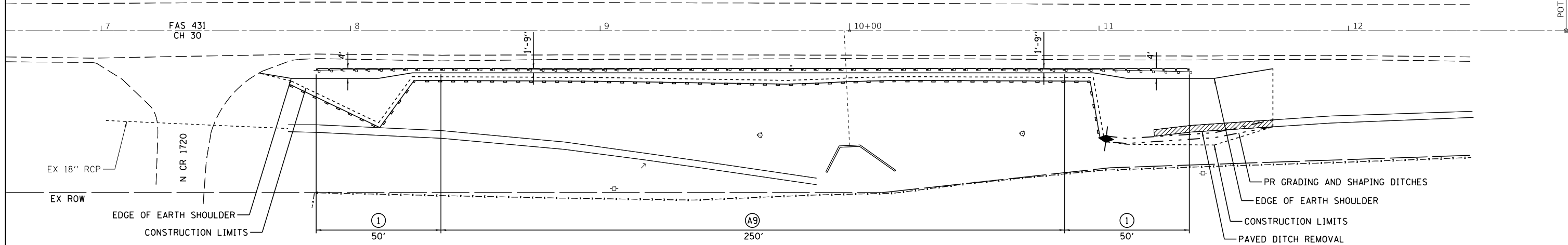
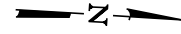
REVISED -
 REVISED -
 REVISED -
 REVISED -

**HANCOCK COUNTY
 GUARDRAIL IMPROVEMENTS**

PLAN LOCATION 52

SCALE: SHEET OF SHEETS STA. TO STA.

ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00132-00-GR	HANCOCK	37	24
CONTRACT NO. 93728				
ILLINOIS FED. AID PROJECT				



CH 30			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	5+25.58	1292147.36	2012792.44
POT	10+00.00	1292620.90	2012763.50
POT	12+87.21	1292907.57	2012745.99

LEGEND	
	TEMPORARY DITCH CHECKS
	PERIMETER EROSION BARRIER
	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS
	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

LOCATION NO. 54
 MAJOR COLLECTOR
 ADT 250 (2018)
 DESIGN SPEED 40 MPH

MODEL: HANCOCKCOUNTY
 FILE NAME: STILES

CEC Cummins
 Engineering
 Corporation
 Civil and Structural Engineering

JOB = 2528.1
 FILE NAME = \$FILES\$
 PLOT SCALE = \$SCALES\$
 PLOT DATE = \$DATES\$

DESIGNED - CGF
 DRAWN - CGF
 CHECKED - NAK
 DATE - 03/07/2018

REVISED -
 REVISED -
 REVISED -
 REVISED -

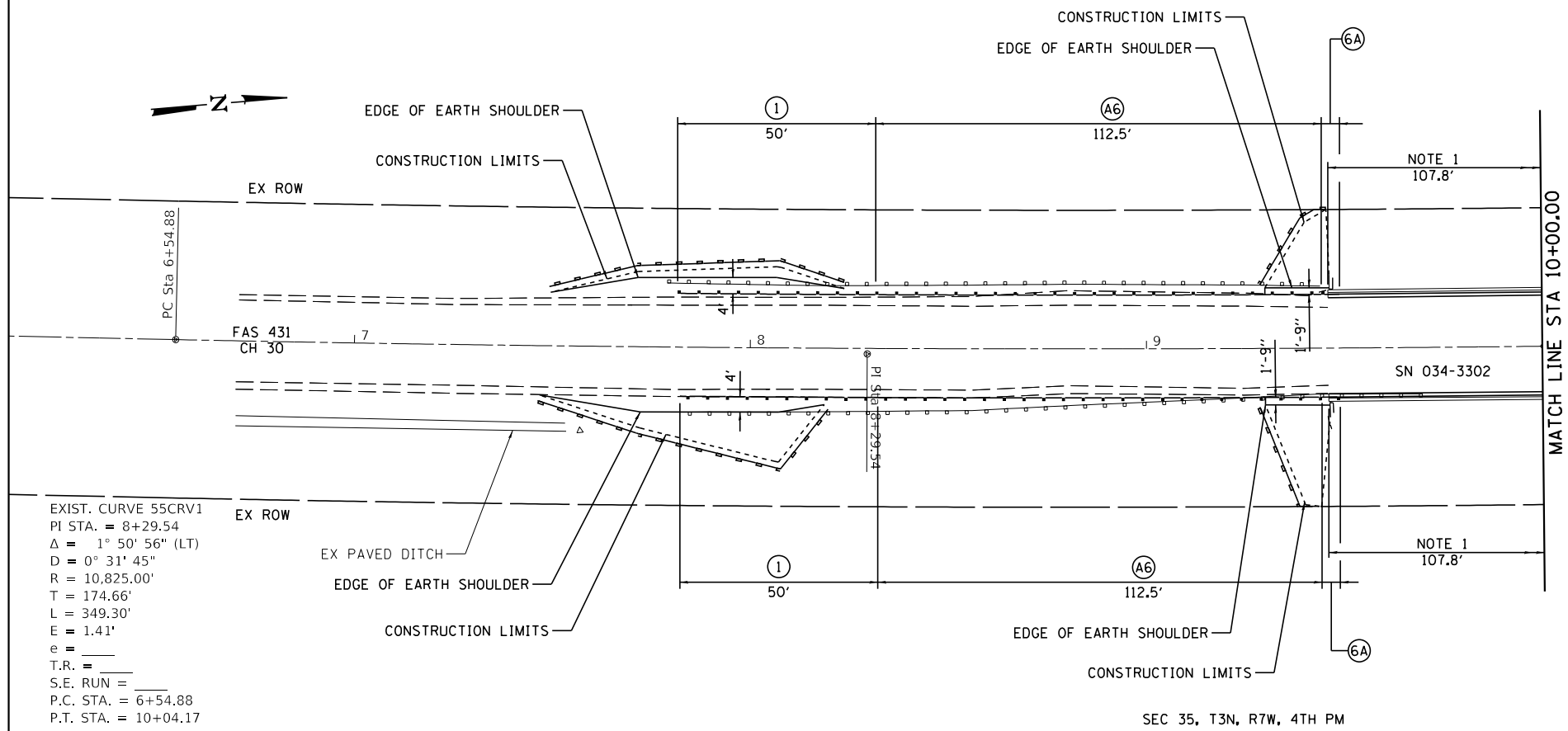
**HANCOCK COUNTY
 GUARDRAIL IMPROVEMENTS**

PLAN LOCATION 54

SCALE: SHEET OF SHEETS STA. TO STA.

ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00132-00-GR	HANCOCK	37	25
			CONTRACT NO. 93728	
ILLINOIS FED. AID PROJECT				

SEC 34, T3N, R7W, 4TH PM



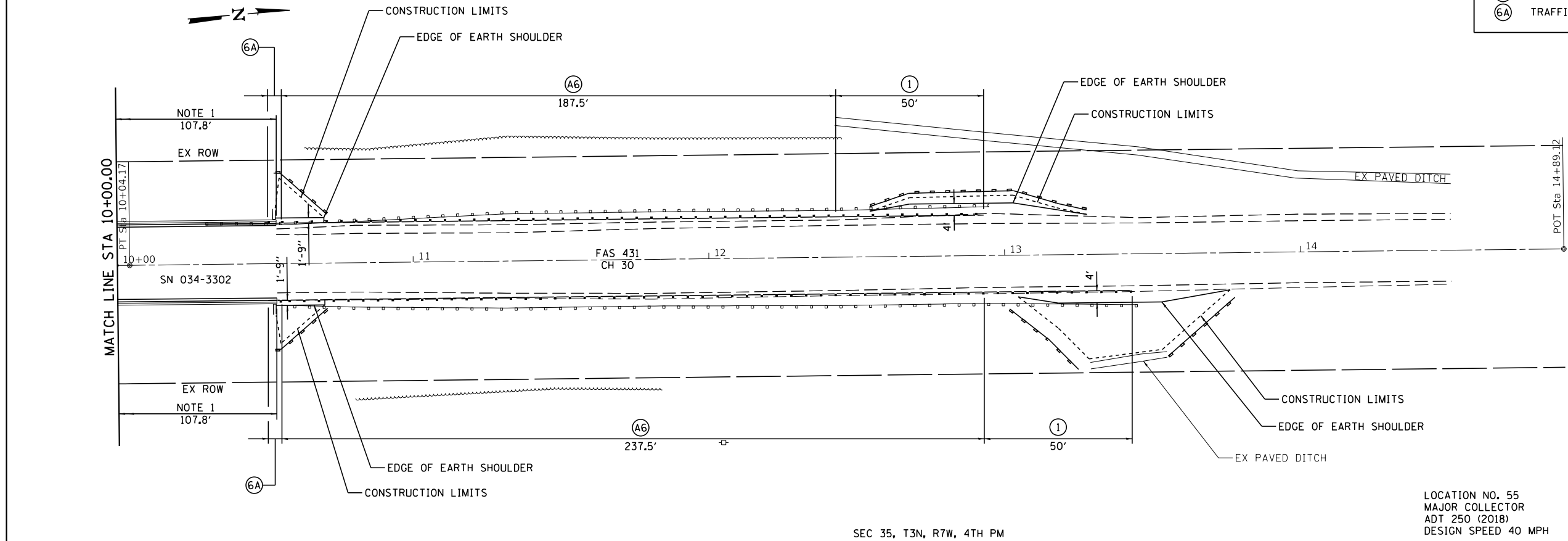
NOTE 1
THE CONTRACTOR SHALL FURNISH AND INSTALL STEEL RAILING, TYPE 2399 ON STRUCTURE NO 034-3302. THE STEEL RAILING SHALL BE ATTACHED TO THE EXISTING CONCRETE PARAPET (SEE STEEL RAILING, TYPE 2399 DETAIL).

EXIST. CURVE 55CRV1
PI STA. = 8+29.54
 $\Delta = 1^\circ 50' 56''$ (LT)
 $D = 0^\circ 31' 45''$
 $R = 10,825.00'$
 $T = 174.66'$
 $L = 349.30'$
 $e = 1.41'$
 $e =$
T.R. =
S.E. RUN =
P.C. STA. = 6+54.88
P.T. STA. = 10+04.17

SEC 35, T3N, R7W, 4TH PM

SEC 34, T3N, R7W, 4TH PM

LEGEND	
	PERIMETER EROSION BARRIER
	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
	TRAFFIC BARRIER TERMINAL, TYPE 6A



LOCATION NO. 55
MAJOR COLLECTOR
ADT 250 (2018)
DESIGN SPEED 40 MPH

SEC 35, T3N, R7W, 4TH PM

MODEL: MODELNAMES
FILE: MODEL: STYLES

CEC Cummins
Engineering
Corporation
Civil and Structural Engineering

JOB = 2528.1
FILE NAME = \$FILES\$
PLOT SCALE = \$SCALES\$
PLOT DATE = \$DATES\$

DESIGNED - CGF
DRAWN - CGF
CHECKED - NAK
DATE - 03/07/2018

REVISED -
REVISED -
REVISED -
REVISED -

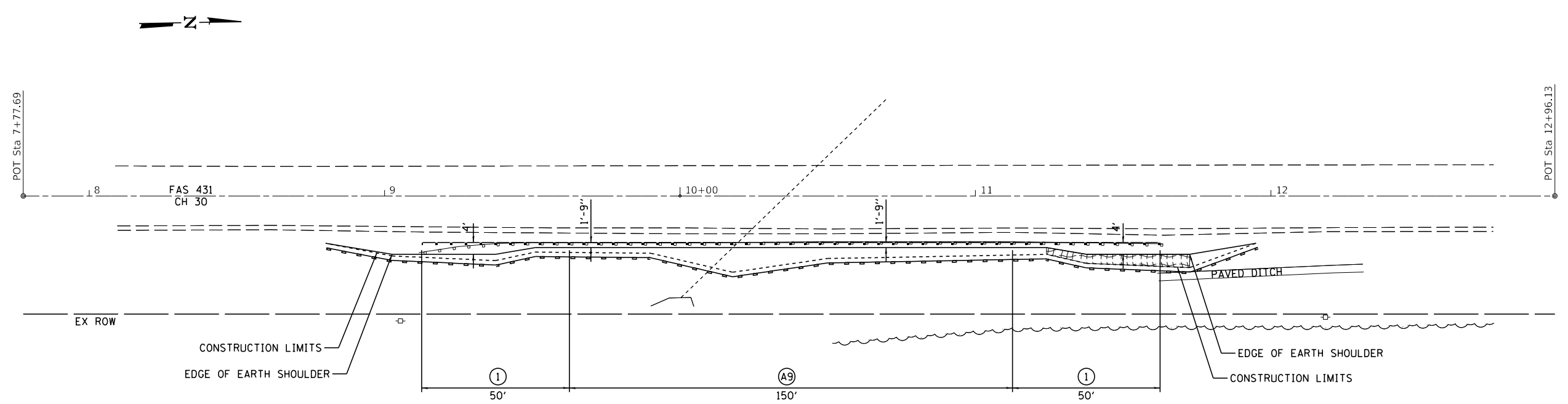
**HANCOCK COUNTY
GUARDRAIL IMPROVEMENTS**

PLAN LOCATION 55

SCALE: SHEET OF SHEETS STA. TO STA.

ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00132-00-GR	HANCOCK	37	26
CONTRACT NO. 93728				

ILLINOIS FED. AID PROJECT



CH 30			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	7+77.69	1287365.27	2012590.49
POT	10+00.00	1287587.55	2012594.44
POT	12+96.13	1287883.63	2012599.70

LEGEND

- PERIMETER EROSION BARRIER
- EROSION CONTROL BLANKET
- STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS
- TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

LOCATION NO. 56
 MAJOR COLLECTOR
 ADT 250 (2018)
 DESIGN SPEED 40 MPH

MODEL: HANCOCK COUNTY
 FILE NAME: STILES



JOB = 2528.1	DESIGNED - CGF	REVISED -
FILE NAME = \$FILES\$	DRAWN - CGF	REVISED -
PLOT SCALE = \$SCALES\$	CHECKED - NAK	REVISED -
PLOT DATE = \$DATES\$	DATE - 03/07/2018	REVISED -

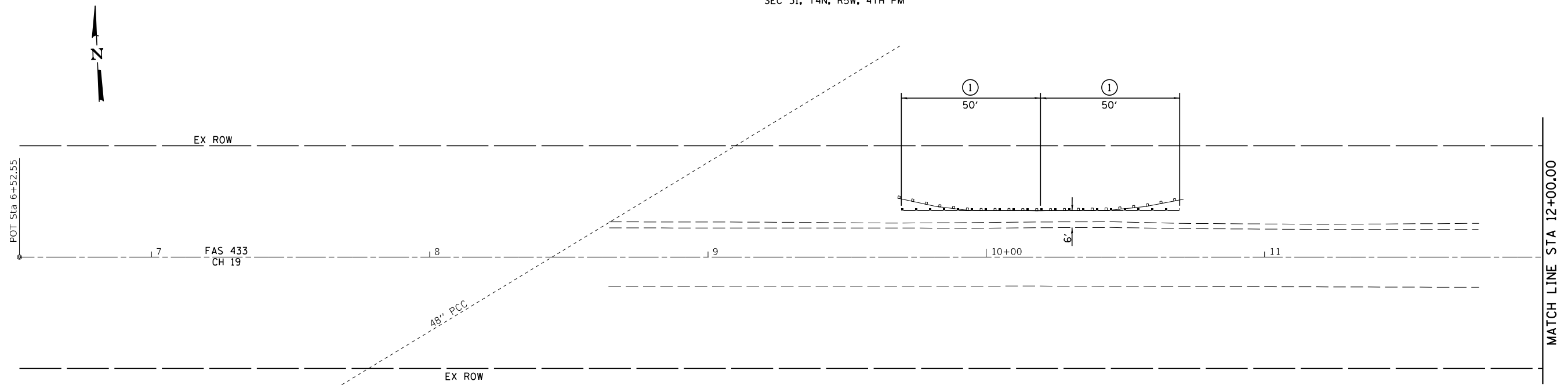
**HANCOCK COUNTY
 GUARDRAIL IMPROVEMENTS**

PLAN LOCATION 56

SCALE: SHEET OF SHEETS STA. TO STA.

ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00132-00-GR	HANCOCK	37	27
CONTRACT NO. 93728			ILLINOIS FED. AID PROJECT	

SEC 31, T4N, R5W, 4TH PM



CH 19

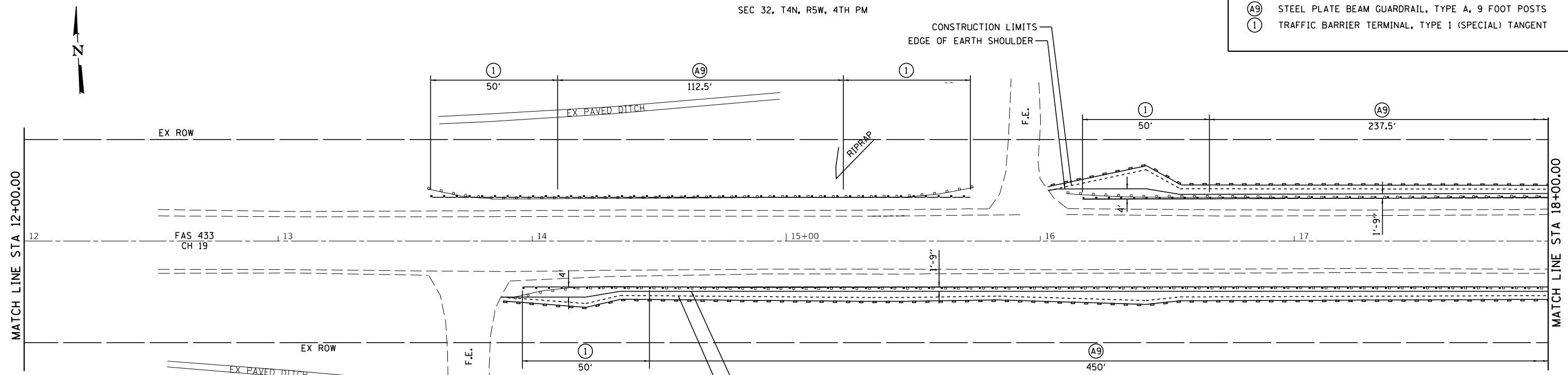
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	6+52.55	1320585.29	2062154.17
POT	20+00.00	1320530.70	2063660.50
PC	21+60.12	1320524.21	2079850.17
PI	23+21.94	1320517.66	2063822.19
PT	24+83.05	1320537.18	2063982.82
POT	26+79.13	1320560.84	2064177.47

LOCATION NO. 58
MAJOR COLLECTOR
ADT 325 (2018)
DESIGN SPEED 40 MPH

LEGEND

- PERIMETER EROSION BARRIER
- STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS
- TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

SEC 32, T4N, R5W, 4TH PM



CH 19

CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	6+52.55	1320585.29	2062154.17
POT	20+00.00	1320530.70	2063660.50
PC	21+60.12	1320524.21	2079850.17
PI	23+21.94	1320517.66	2063822.19
PT	24+83.05	1320537.18	2063982.82
POT	26+79.13	1320560.84	2064177.47

LOCATION NO. 59
MAJOR COLLECTOR
ADT 325 (2018)
DESIGN SPEED 40 MPH



JOB = 2528.1
FILE NAME = *FILES*
PLOT SCALE = *SCALE*
PLOT DATE = *DATE*

DESIGNED - CGF
DRAWN - CGF
CHECKED - NAK
DATE - 4/03/2018

REVISED -
REVISED -
REVISED -
REVISED -

**HANCOCK COUNTY
GUARDRAIL IMPROVEMENTS**

PLAN LOCATIONS 58 AND 59

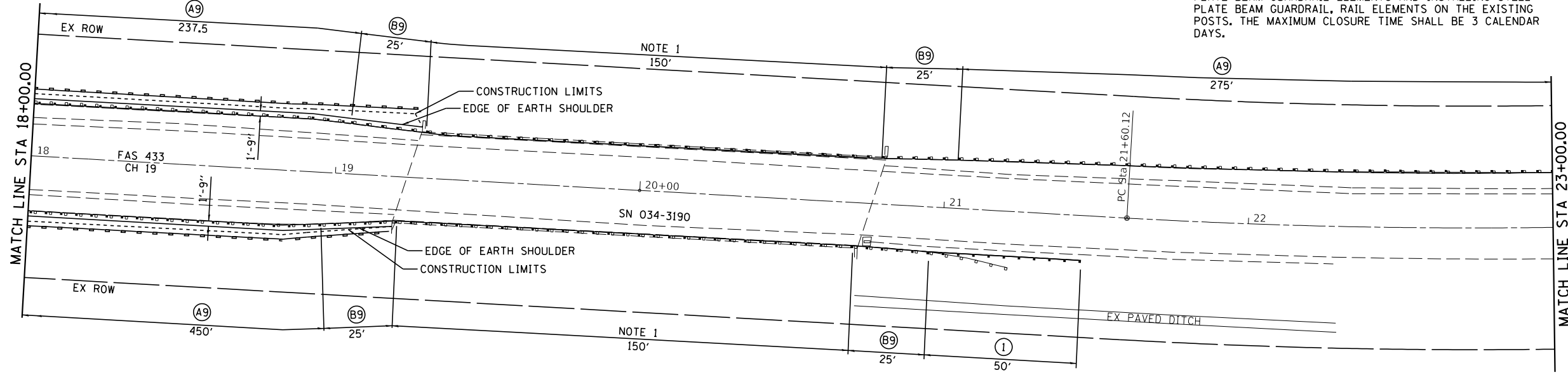
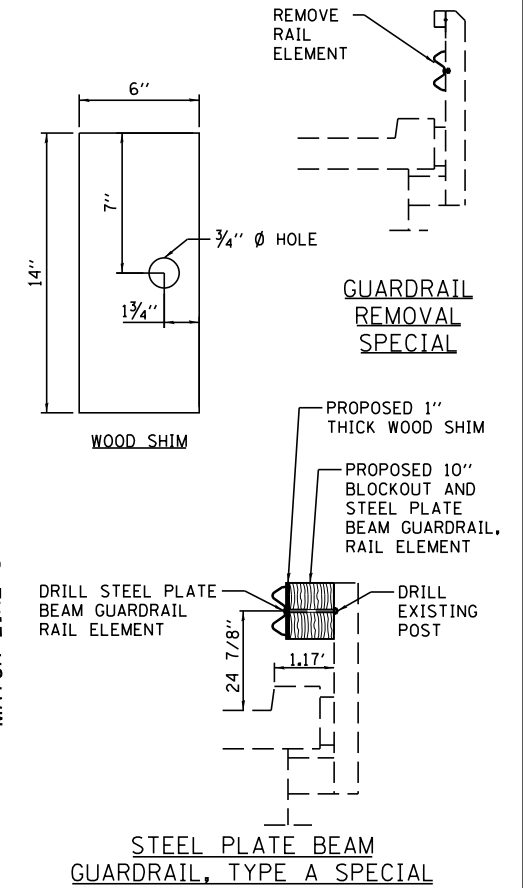
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00132-00-GR	HANCOCK	37	28
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

CONTRACT NO. 93728

NOTE 1
 EXISTING STEEL PLATE BEAM RAIL ELEMENTS SHALL BE REMOVED. NEW 10" BLOCKOUTS, WOOD SHIMS, AND STEEL PLATE BEAM GUARDRAIL ELEMENTS SHALL BE INSTALLED ON THE EXISTING POSTS. THE FIRST POST AT EACH CORNER OF THE STRUCTURE SHALL REMAIN IN PLACE. GUARDRAIL ELEMENTS SHALL BE ATTACHED TO THESE POSTS IN A MANNER APPROVED BY THE ENGINEER.

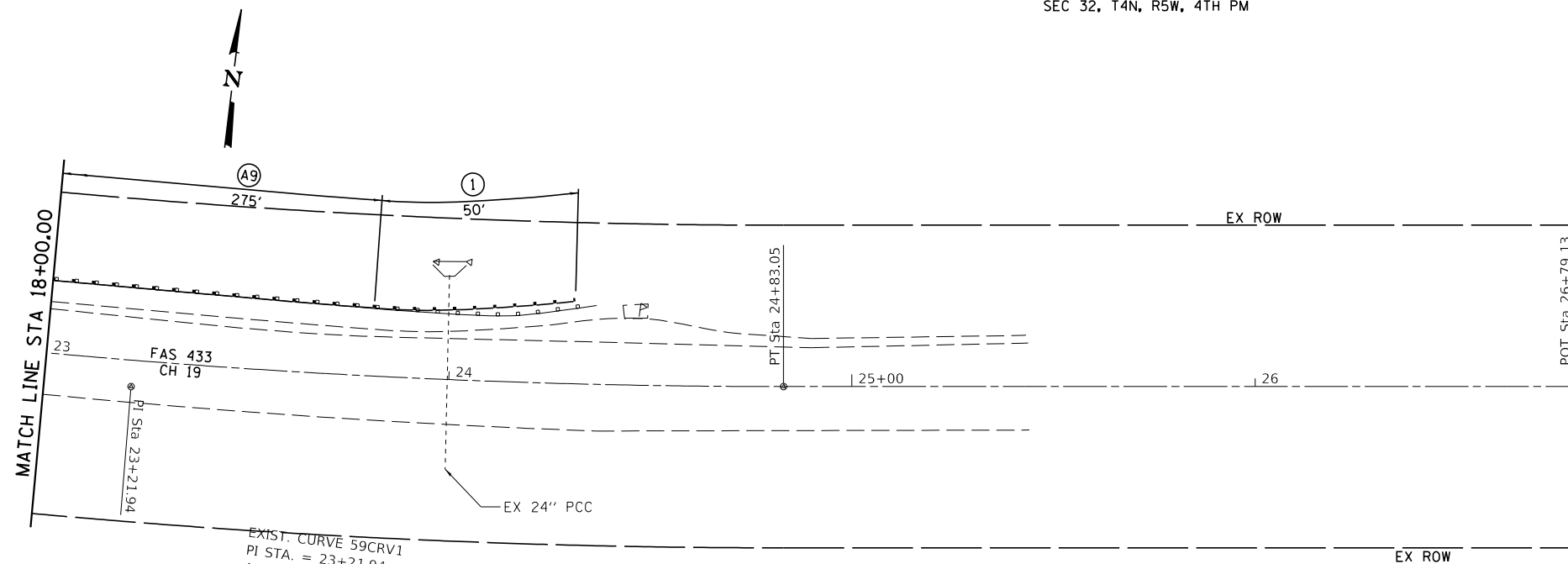
CH 19 SHALL BE CLOSED FOR REMOVAL OF EXISTING STEEL PLATE BEAM GUARDRAIL ELEMENTS AND INSTALLING STEEL PLATE BEAM GUARDRAIL. RAIL ELEMENTS ON THE EXISTING POSTS. THE MAXIMUM CLOSURE TIME SHALL BE 3 CALENDAR DAYS.



LOCATION NO. 59
 MAJOR COLLECTOR
 ADT 325 (2018)
 DESIGN SPEED 40 MPH

LEGEND

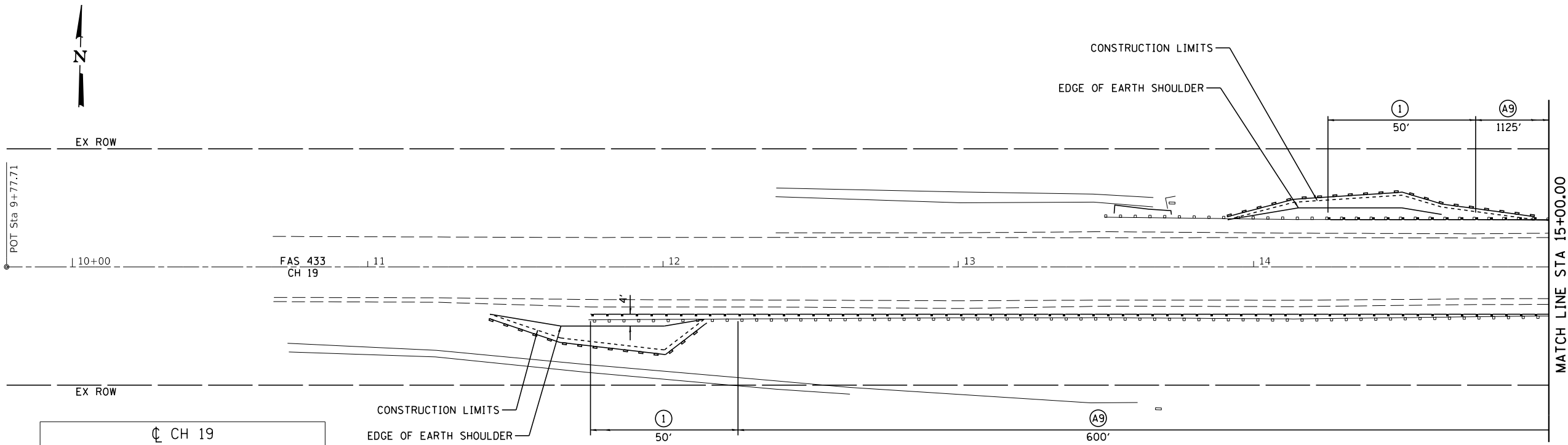
- PERIMETER EROSION BARRIER
- (A9) STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS
- (B9) STEEL PLATE BEAM GUARDRAIL, TYPE B, 9 FOOT POSTS
- (1) TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT



EXIST. CURVE 59CRV1
 PI STA. = 23+21.94
 $\Delta = 9^\circ 15' 05''$ (LT)
 $D = 2^\circ 51' 53''$
 $R = 2,000.00'$
 $T = 161.82'$
 $L = 322.93'$
 $E = 6.54'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 21+60.12$
 $P.T. STA. = 24+83.05$

CH 19			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	6+52.55	1320585.29	2062154.17
POT	20+00.00	1320530.70	2063660.50
PC	21+60.12	1320524.21	2079850.17
PI	23+21.94	1320517.66	2063822.19
PT	24+83.05	1320537.18	2063982.82
POT	26+79.13	1320560.84	2064177.47

LOCATION NO. 59
 MAJOR COLLECTOR
 ADT 325 (2018)
 DESIGN SPEED 40 MPH

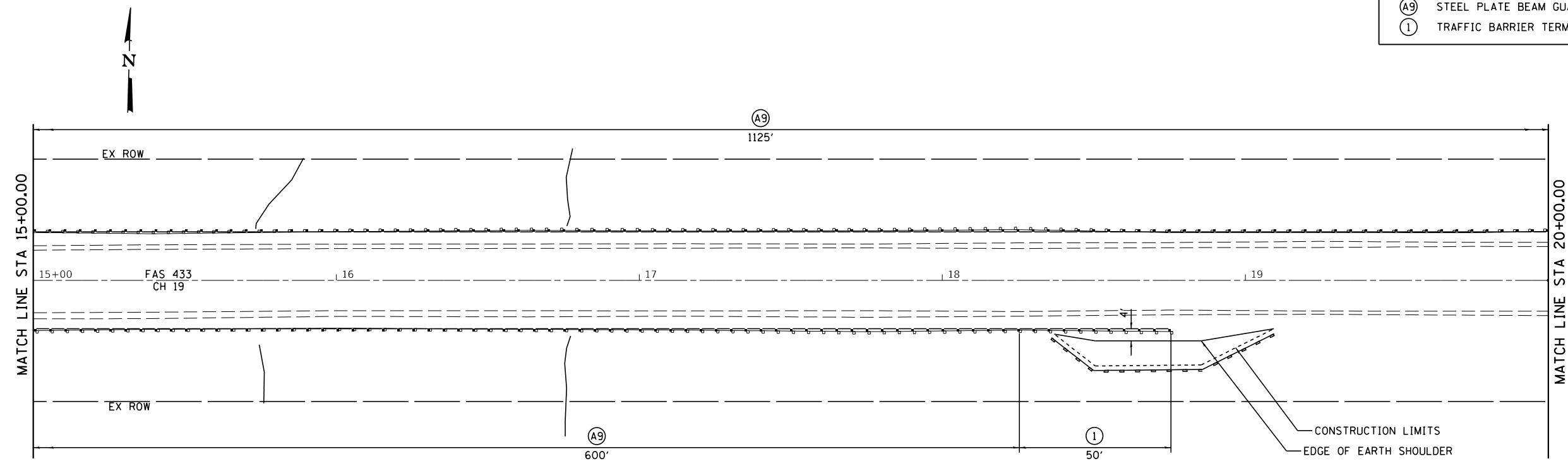


CH 19

CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	9+77.71	1320849.52	2074842.26
POT	20+00.00	1320876.94	2075864.18
POT	28+27.47	1320899.15	2076691.35

LEGEND

- PERIMETER EROSION BARRIER
- STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS
- TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT



LOCATION NO. 60
 MAJOR COLLECTOR
 ADT 325 (2018)
 DESIGN SPEED 40 MPH

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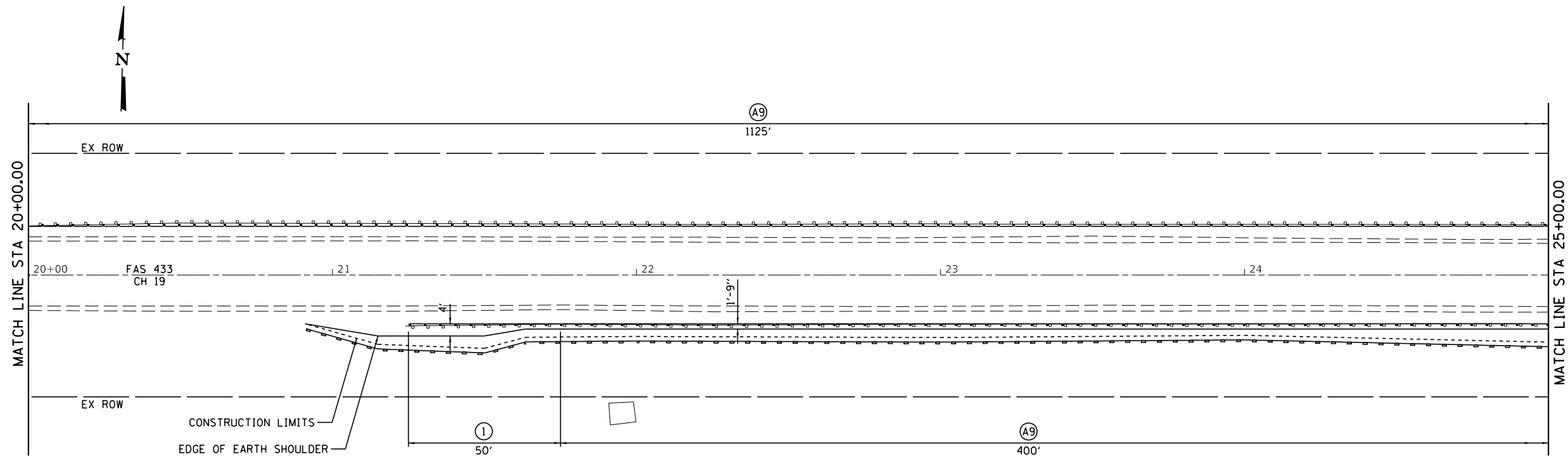
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PLOT SCALE = 40,0000' / in.	CHECKED - NAK	REVISED -
PLOT DATE = 3/5/2019	DATE - 03/07/2018	REVISED -

**HANCOCK COUNTY
 GUARDRAIL IMPROVEMENTS**

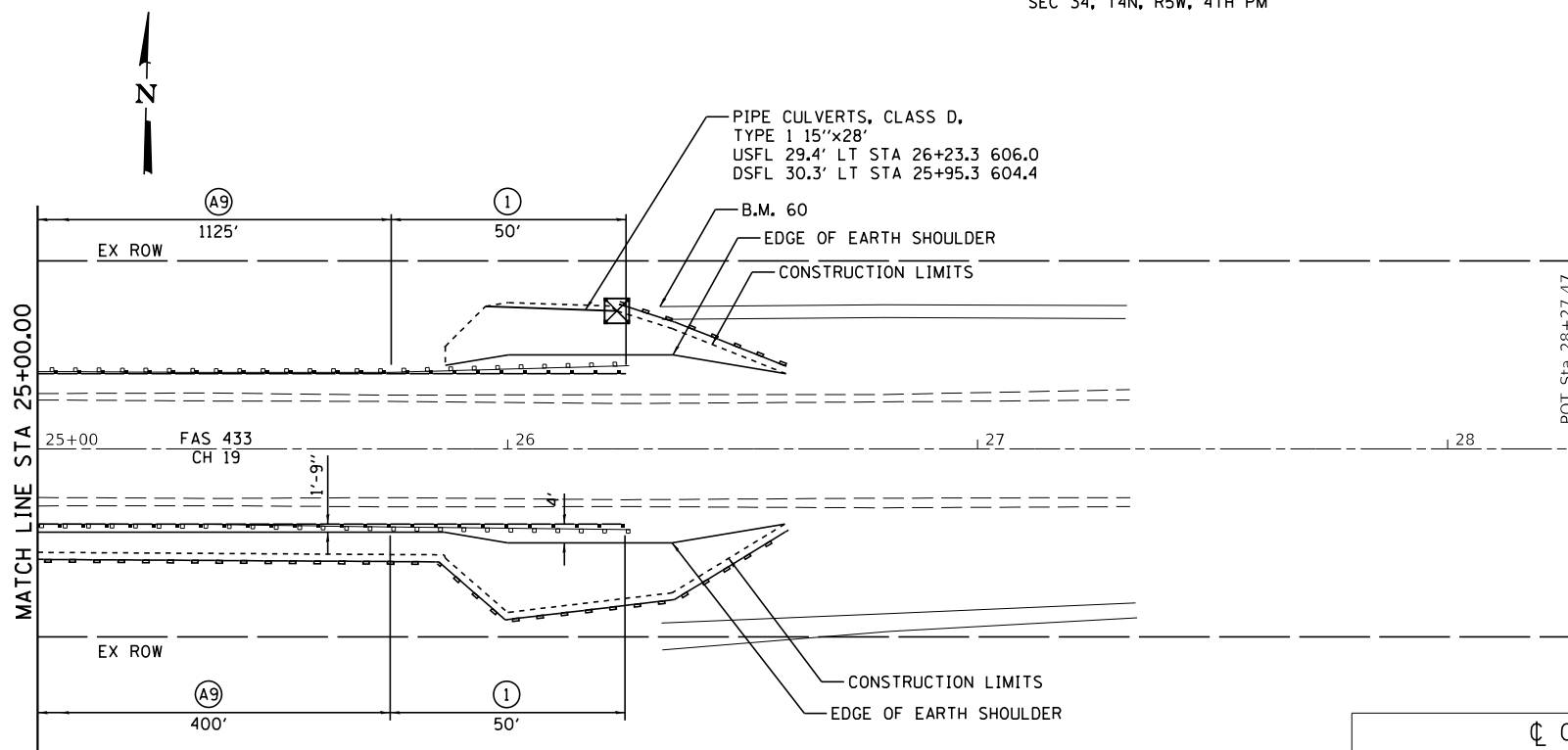
PLAN LOCATION 60

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00132-00-GR	HANCOCK	37	30
			CONTRACT NO. 93728	
ILLINOIS FED. AID PROJECT				



LEGEND	
	PERIMETER EROSION BARRIER
	INLET AND PIPE PROTECTION
	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS
	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT



CH 19			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	9+77.71	1320849.52	2074842.26
POT	20+00.00	1320876.94	2075864.18
POT	28+27.47	1320899.15	2076691.35

LOCATION NO. 60
 MAJOR COLLECTOR
 ADT 325 (2018)
 DESIGN SPEED 40 MPH

MODEL: Default
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DESIGNED - CGF
 DRAWN - CGF
 CHECKED - NAK
 DATE - 03/07/2018

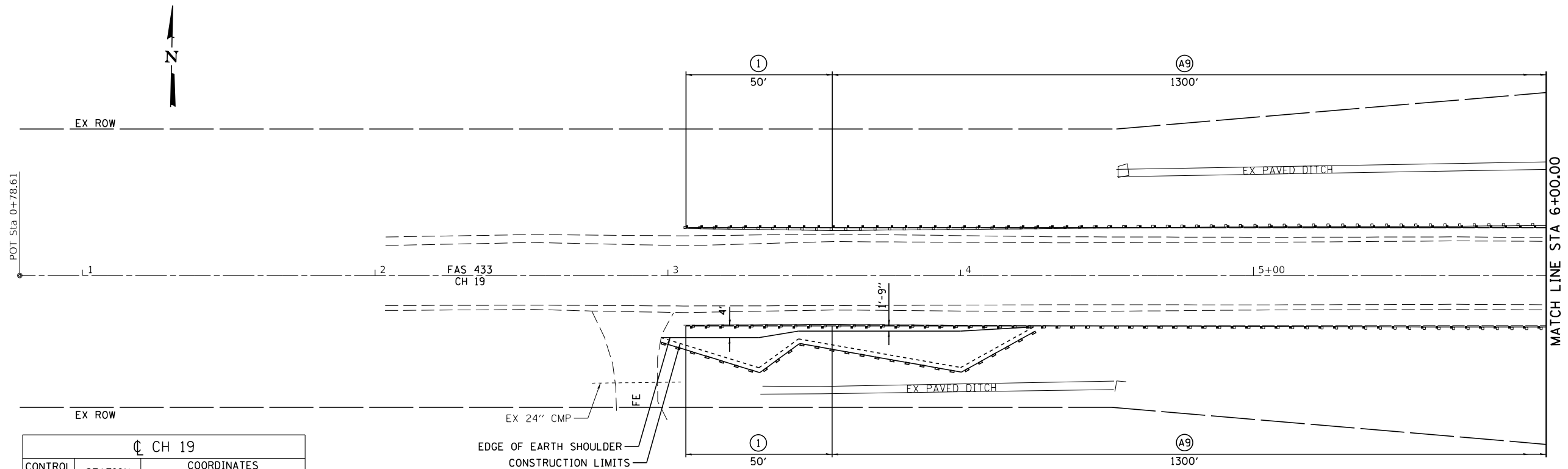
REVISED -
 REVISED -
 REVISED -
 REVISED -

**HANCOCK COUNTY
 GUARDRAIL IMPROVEMENTS**

PLAN LOCATION 60

SCALE: SHEET OF SHEETS STA. TO STA.

ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00132-00-GR	HANCOCK	37	31
			CONTRACT NO. 93728	
ILLINOIS FED. AID PROJECT				

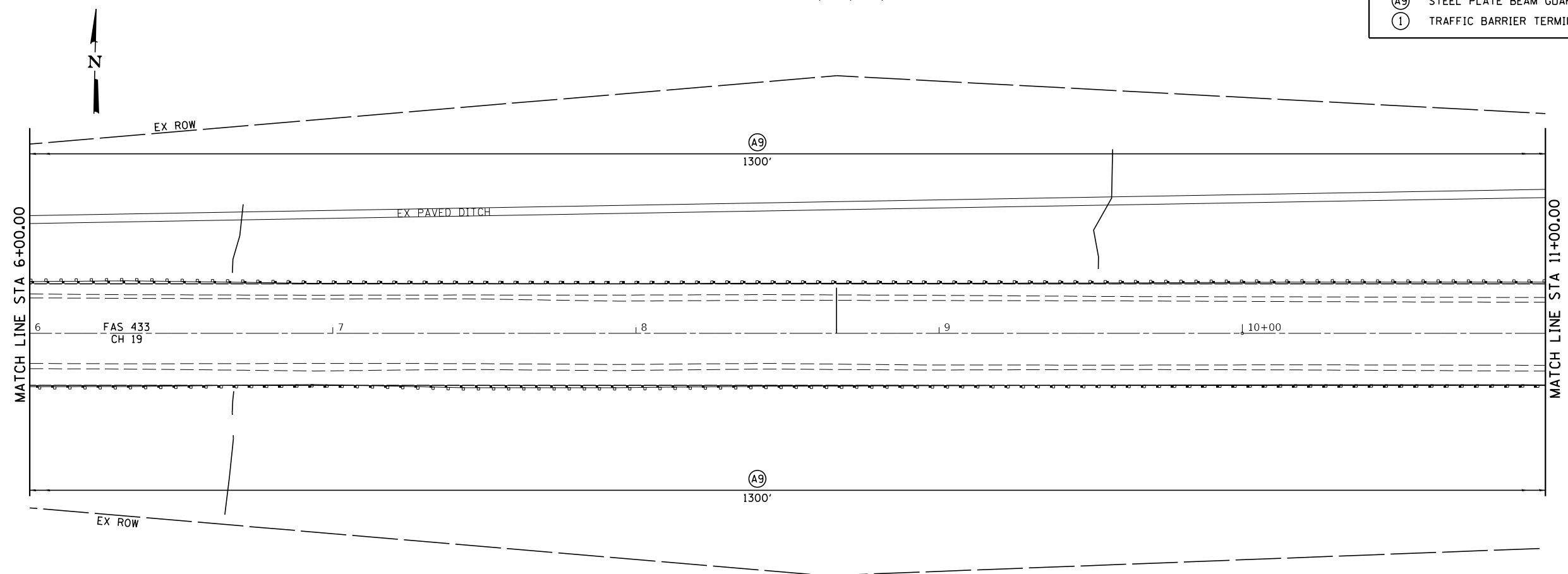


CH 19

CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	0+78.61	1320929.96	2078008.95
POT	10+00.00	1320948.75	2078930.16
POT	19+20.21	1320967.52	2079850.17

LEGEND

- PERIMETER EROSION BARRIER
- STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS
- TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT



LOCATION NO. 61
 MAJOR COLLECTOR
 ADT 325 (2018)
 DESIGN SPEED 40 MPH



JOB = 2528.1
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 PLOT SCALE = #SCALE#
 PLOT DATE = #DATE#

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 DRAWN - CGF
 CHECKED - NAK
 DATE - 1/05/2018

REVISED -
 REVISED -
 REVISED -
 REVISED -

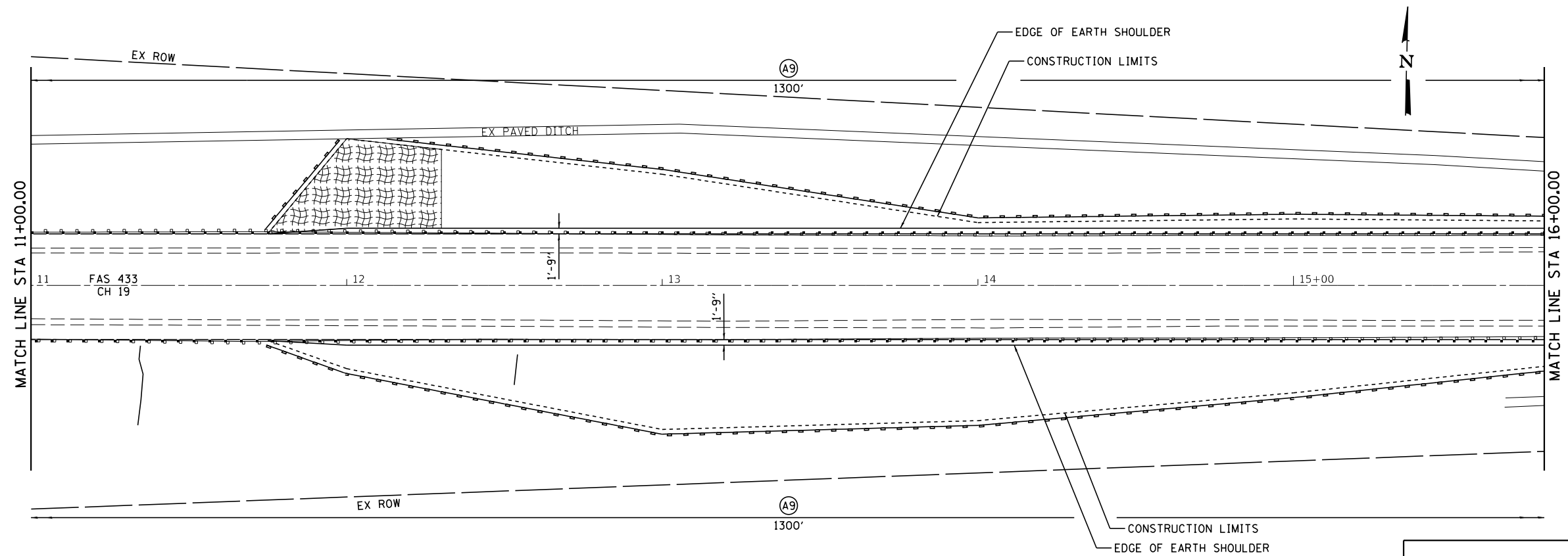
**HANCOCK COUNTY
 GUARDRAIL IMPROVEMENTS**

PLAN LOCATION 61

SCALE: SHEET NO. OF SHEETS STA. TO STA.

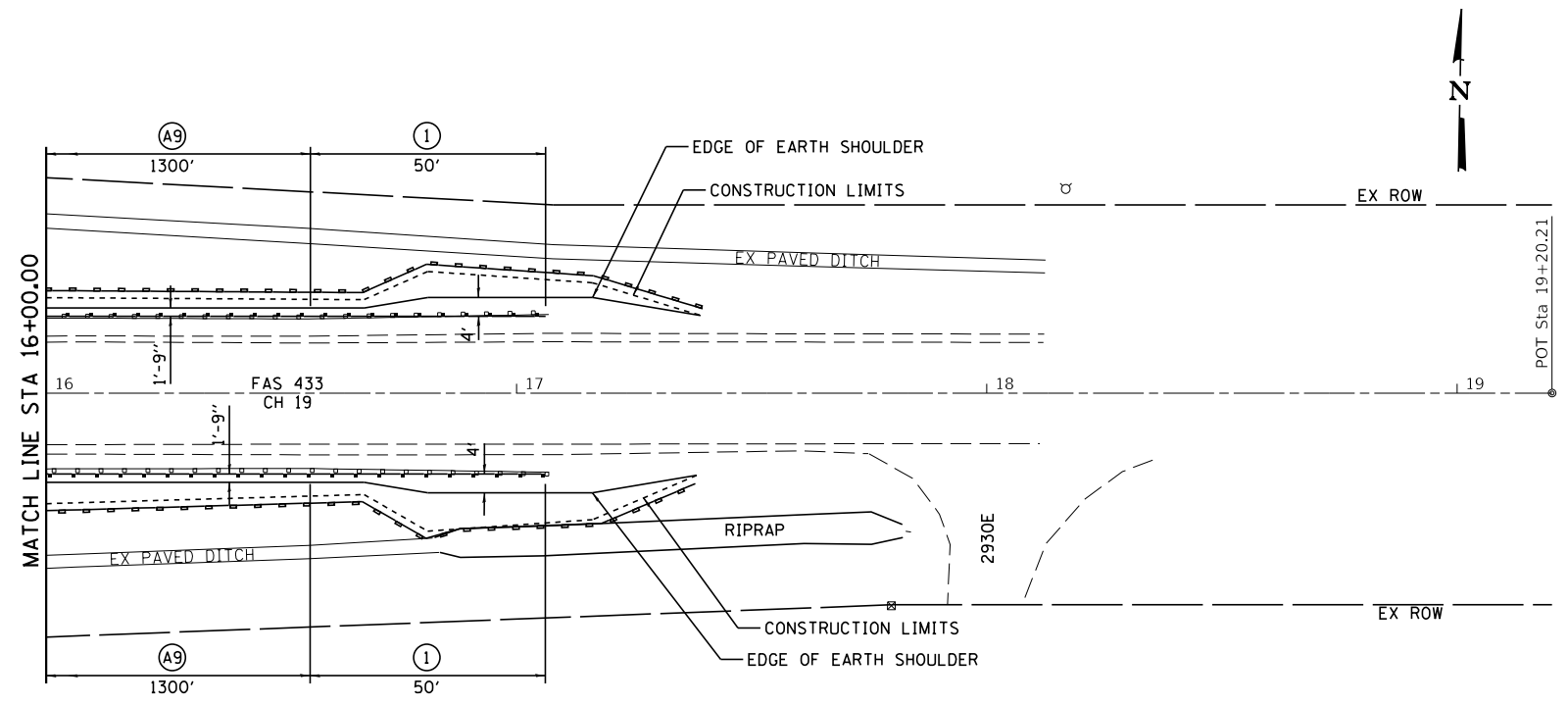
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00132-00-GR	HANCOCK	37	32
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	

CONTRACT NO. 93728



LEGEND

	PERIMETER EROSION BARRIER
	EROSION CONTROL BLANKET
	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS
	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT



CH 19

CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	0+78.61	1320929.96	2078008.95
POT	10+00.00	1320948.75	2078930.16
POT	19+20.21	1320967.52	2079850.17

LOCATION NO. 61
 MAJOR COLLECTOR
 ADT 325 (2018)
 DESIGN SPEED 40 MPH



JOB = 2528.1
 FILE NAME = 2528.1-sht-plan_61.dgn
 PLOT SCALE = 40.0000' / in.
 PLOT DATE = 3/7/2019

DESIGNED - CGF
 DRAWN - CGF
 CHECKED - NAK
 DATE - 1/05/2018

REVISED -
 REVISED -
 REVISED -
 REVISED -

**HANCOCK COUNTY
 GUARDRAIL IMPROVEMENTS**

PLAN LOCATION 61

SCALE: SHEET NO. OF SHEETS STA. TO STA.

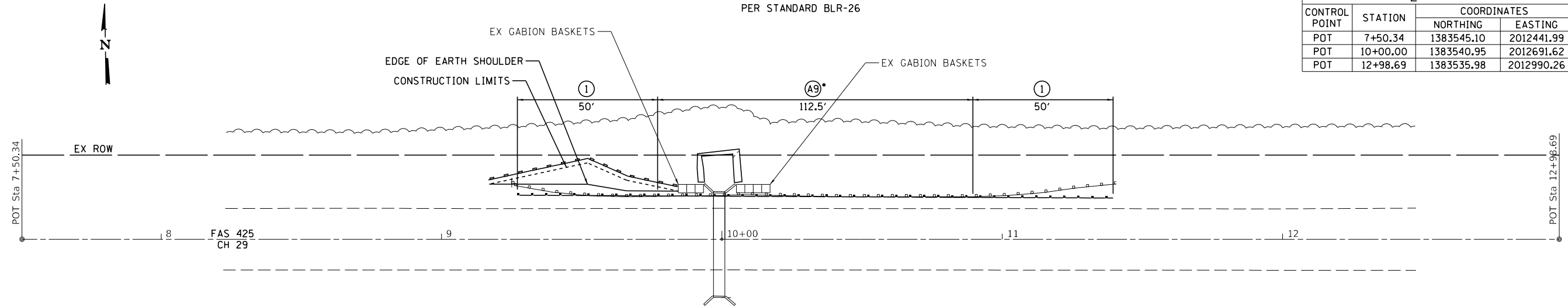
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00132-00-GR	HANCOCK	37	33
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 93728	

SEC 34, T6N, R7W, 4TH PM

• USE 6" BLOCKOUTS AND INSTALL PER STANDARD BLR-26

CH 29

CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	7+50.34	1383545.10	2012441.99
POT	10+00.00	1383540.95	2012691.62
POT	12+98.69	1383535.98	2012990.26



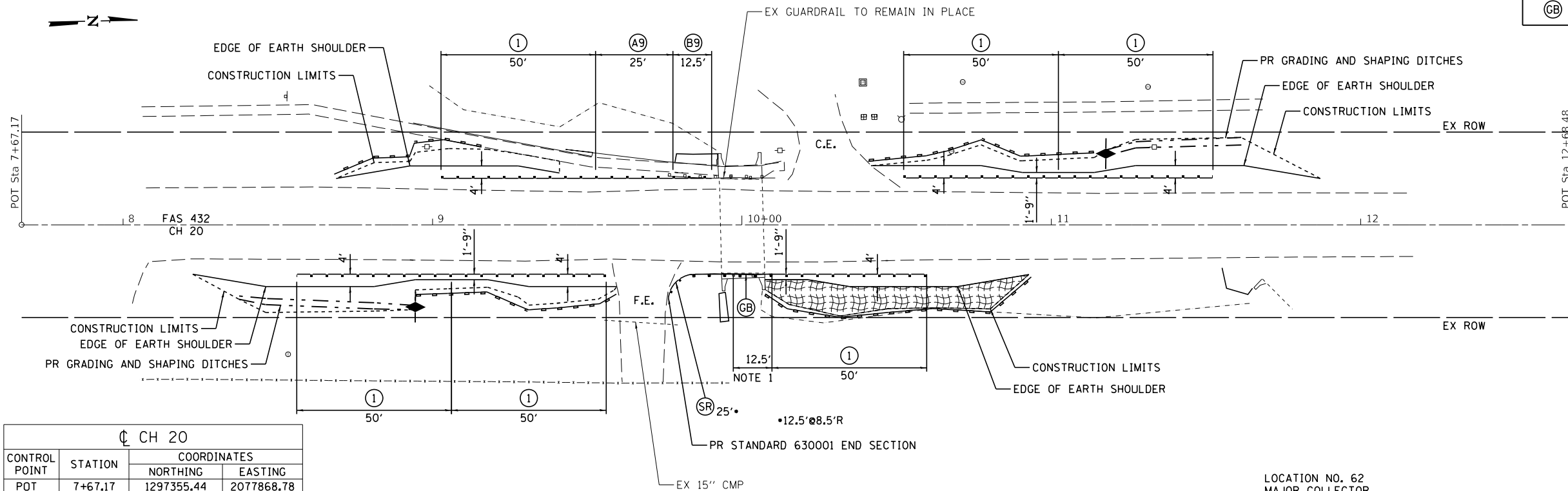
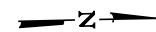
LOCATION NO. 66
MAJOR COLLECTOR
ADT 500 (2018)
DESIGN SPEED 50 MPH

SEC 3, T5N, R7W, 4TH PM

SEC 22, T3N, R5W, 4TH PM

LEGEND

- ◆ TEMPORARY DITCH CHECKS
- ▬ PERIMETER EROSION BARRIER
- ▨ EROSION CONTROL BLANKET
- Ⓐ9 STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS
- Ⓛ TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
- Ⓑ9 STEEL PLATE BEAM GUARDRAIL, TYPE B, 9 FOOT POSTS
- ⓈR STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)
- ⓊB GUARDRAIL BLOCKS



NOTE:
SEE STEEL PLATE BEAM GUARDRAIL,
SHORT RADIUS DETAIL ON SHEET 38.

NOTE 1
EXISTING GUARDRAIL ELEMENTS AND STEEL BLOCKOUTS SHALL BE REMOVED AND THE EXISTING POSTS SHALL REMAIN IN PLACE. NEW STEEL PLATE BEAM GUARDRAIL ELEMENTS AND 6" BLOCKOUTS AS SHOWN ON STANDARD BLR 26 SHALL BE INSTALLED ON THE EXISTING POSTS.

LOCATION NO. 62
MAJOR COLLECTOR
ADT 400 (2018)
DESIGN SPEED 50 MPH

SEC 23, T3N, R5W, 4TH PM

CH 20

CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	7+67.17	1297355.44	2077868.78
POT	10+00.00	1297588.21	2077873.93
POT	12+68.48	1297856.63	2077879.86

MODEL: MODELNAMES
FILE NAME: STYLES

CEC Cummins
Engineering
Corporation
Civil and Structural Engineering

JOB = 2528.1
FILE NAME = \$FILES\$
PLOT SCALE = \$SCALES\$
PLOT DATE = \$DATES\$

DESIGNED - CGF
DRAWN - CGF
CHECKED - NAK
DATE - 02/02/2018

REVISED -
REVISED -
REVISED -
REVISED -

**HANCOCK COUNTY
GUARDRAIL IMPROVEMENTS**

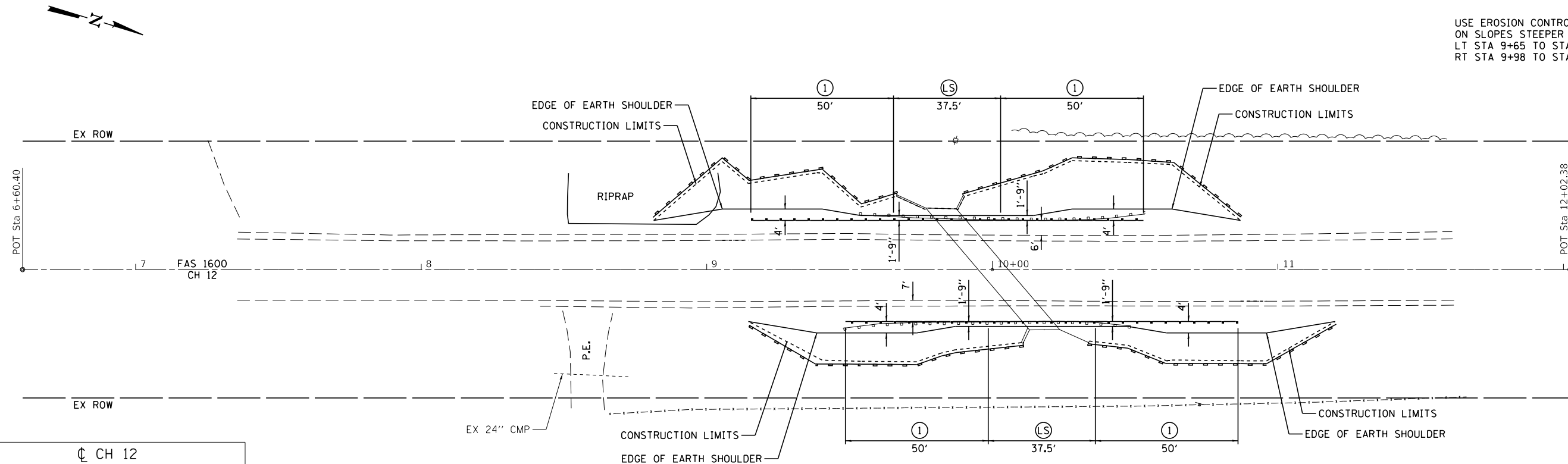
PLAN LOCATIONS 62 AND 66

SCALE: SHEET OF SHEETS STA. TO STA.

ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00132-00-GR	HANCOCK	37	34
CONTRACT NO. 93728				

ILLINOIS FED. AID PROJECT

USE EROSION CONTROL BLANKET
ON SLOPES STEEPER THAN 1:2
LT STA 9+65 TO STA 10+03
RT STA 9+98 TO STA 10+36



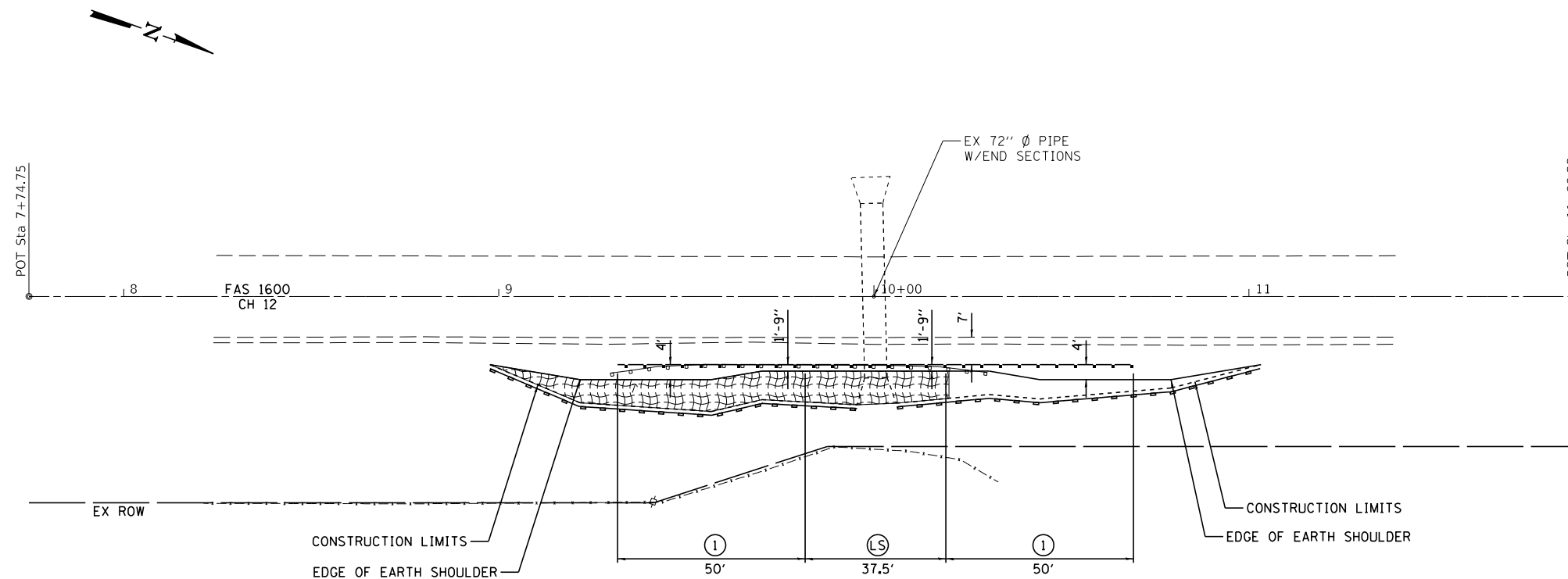
CH 12

CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	8+13.20	1382613.53	1978592.06
POT	10+00.00	1382800.22	1978598.49
POT	12+61.80	1383061.87	1978607.51

LOCATION NO. 70
MAJOR COLLECTOR
ADT 500 (2018)
DESIGN SPEED 50 MPH

LEGEND

- TEMPORARY DITCH CHECKS
- PERIMETER EROSION BARRIER
- EROSION CONTROL BLANKET
- TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
- LONG-SPAN GUARDRAIL OVER CULVERT, 12 FT 6 IN SPAN



CH 12

CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	7+74.75	1319133.59	1945716.74
POT	10+00.00	1319345.65	1945640.81
POT	11+88.22	1319522.86	1945577.36

LOCATION NO. 69
MAJOR COLLECTOR
ADT 375 (2018)
DESIGN SPEED 40 MPH

MODEL: Default
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PLOT SCALE = 40,0000' / in.
PLOT DATE = 3/7/2019

DESIGNED - CGF
DRAWN - CGF
CHECKED - NAK
DATE - 02/23/2018

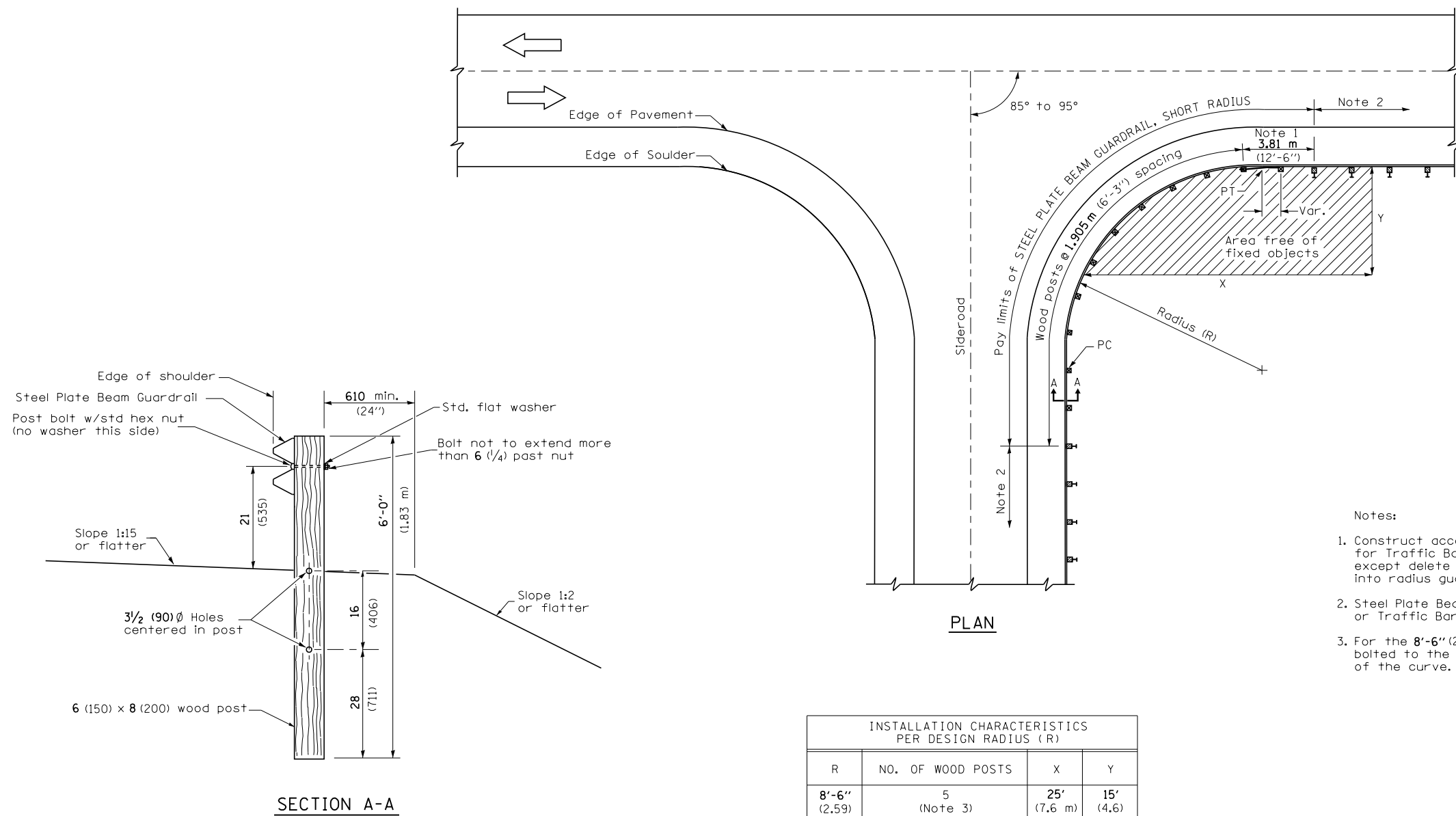
REVISED -
REVISED -
REVISED -
REVISED -

**HANCOCK COUNTY
GUARDRAIL IMPROVEMENTS**

PLAN LOCATIONS 69 AND 70

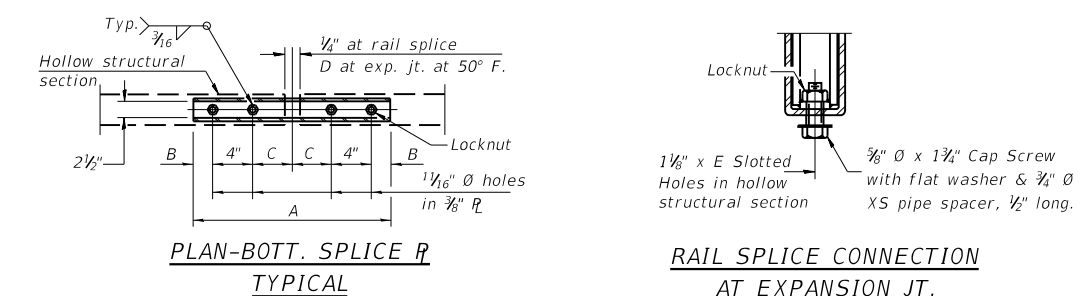
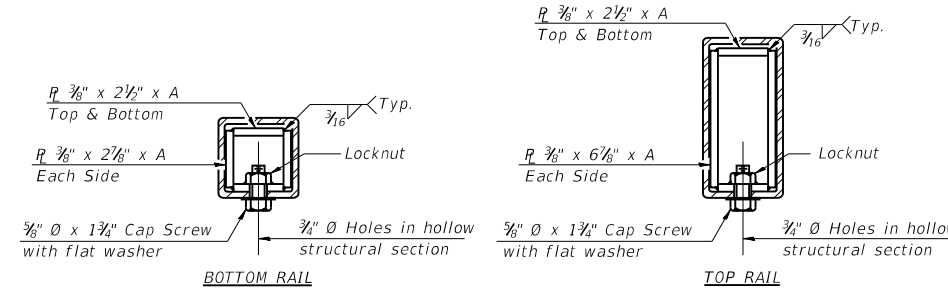
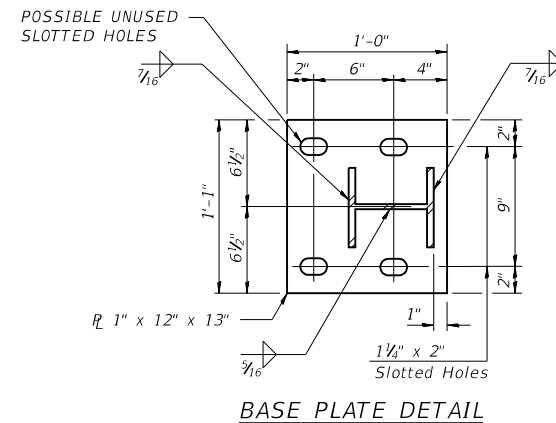
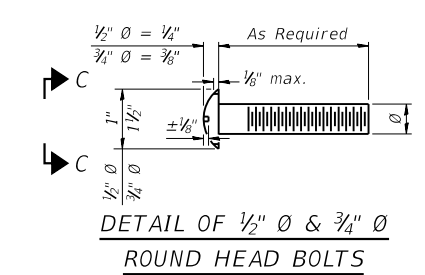
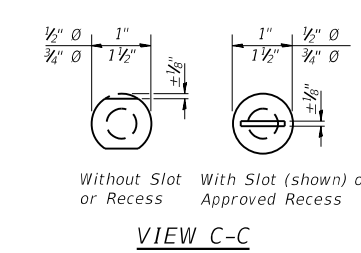
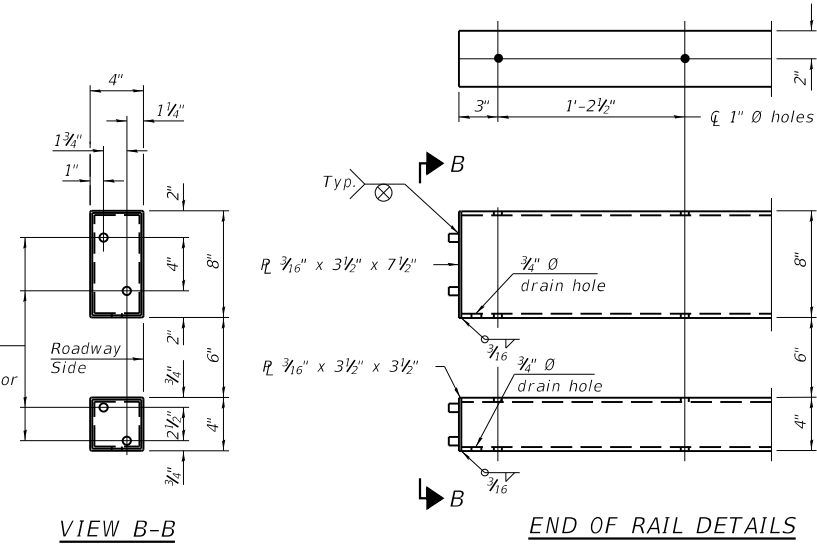
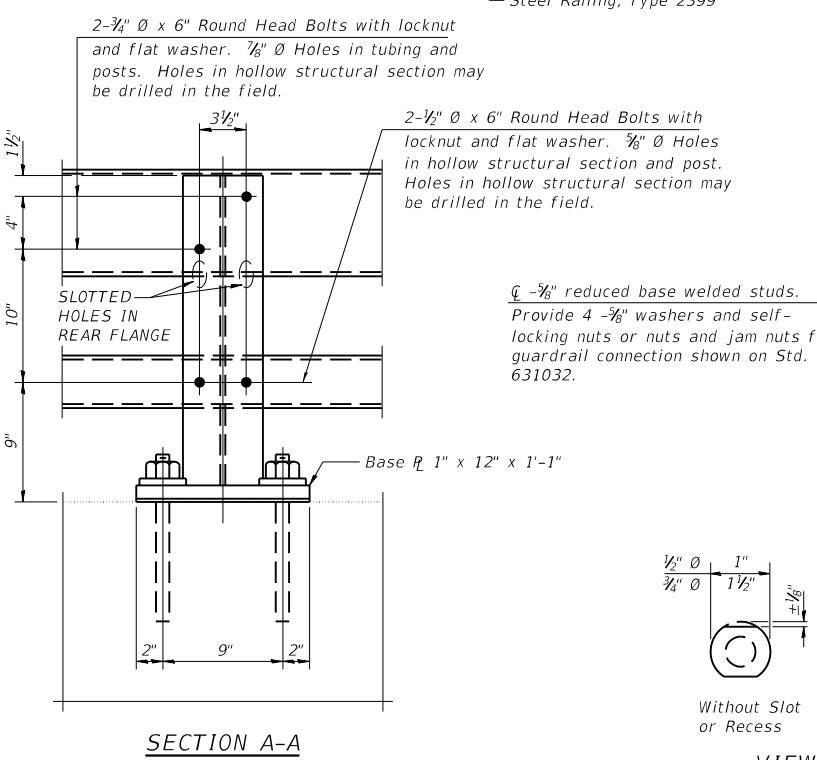
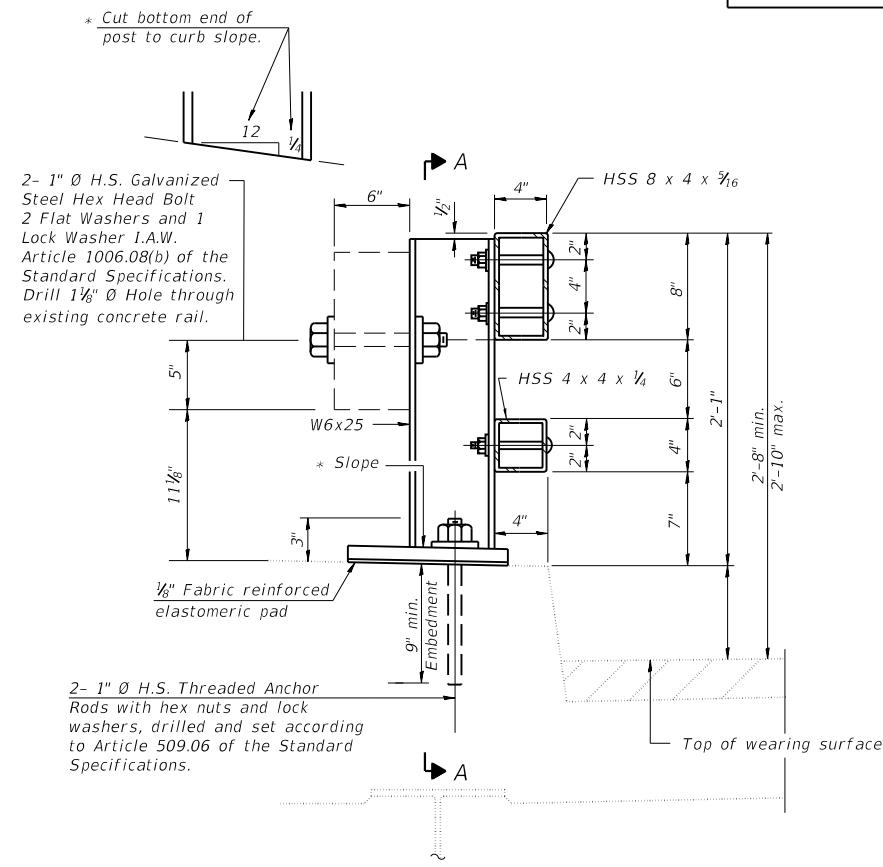
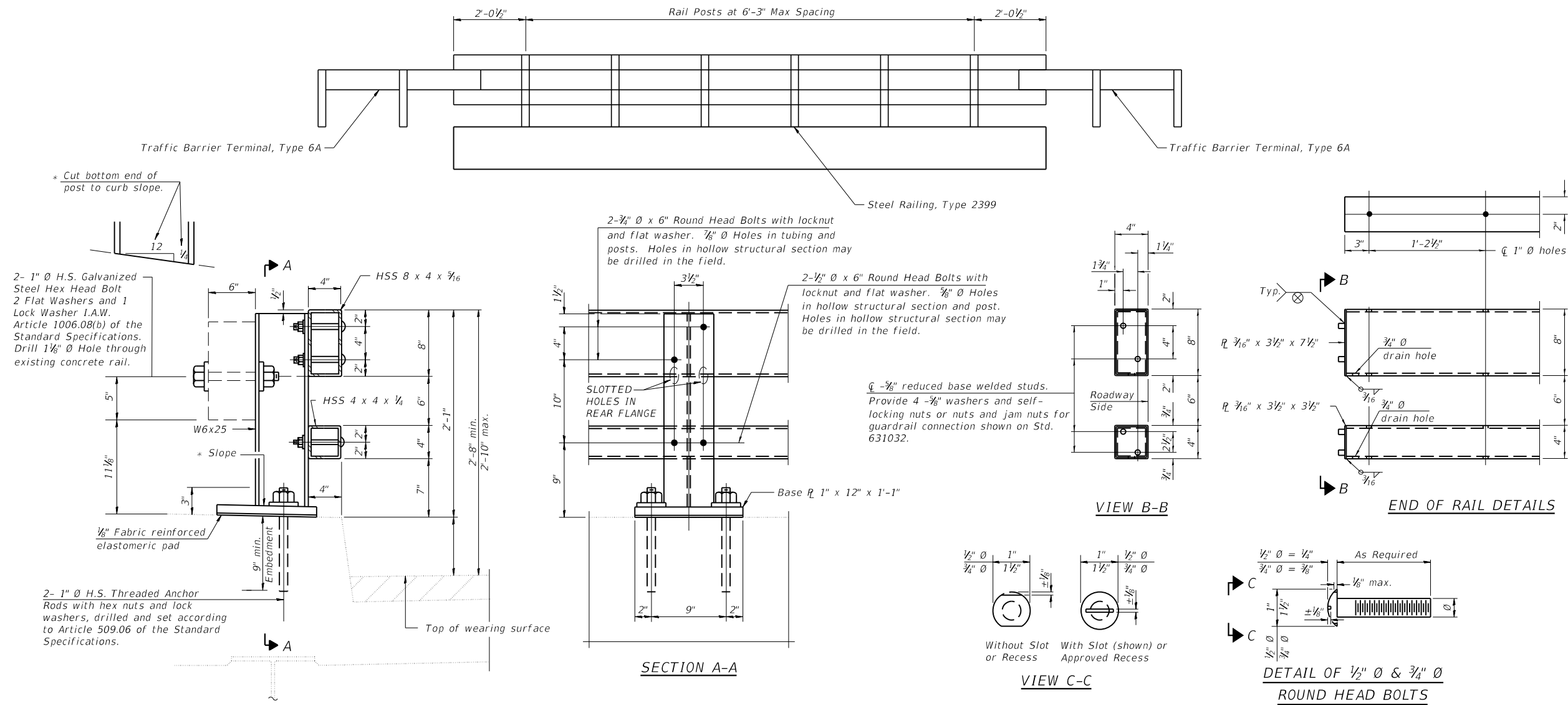
SCALE: SHEET OF SHEETS STA. TO STA.

ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	17-00132-00-GR	HANCOCK	37	35
CONTRACT NO. 93728				



- Notes:
1. Construct according to Standard 631011 for Traffic Barrier Terminal Type 2, except delete end section and splice into radius guardrail.
 2. Steel Plate Beam Guardrail Type A, Type B, or Traffic Barrier Terminal as specified.
 3. For the 8'-6" (2.59 m) radius, the rail is not bolted to the post located at the midpoint of the curve.

INSTALLATION CHARACTERISTICS PER DESIGN RADIUS (R)			
R	NO. OF WOOD POSTS	X	Y
8'-6" (2.59)	5 (Note 3)	25' (7.6 m)	15' (4.6)
17'-0" (5.18)	6	30' (9.1 m)	15' (4.6)
25'-6" (7.77)	8	40' (12.2 m)	20' (6.1)
35'-0" (10.67)	11	50' (15.2 m)	20' (6.1)



Notes:
 Posts shall not be located closer than 1'-3" to an existing bridge expansion joint or end of bridge.
 Steel Bridge Rail expansion joint shall be provided between any two (2) posts which span a bridge expansion joint. Bolts located at expansion joint shall be provided with locknuts and shall be tightened only to a point that will allow railing movement.
 Provide one 1/8" and two 1/16" steel shims for 25% of the posts. Shims shall be similar to base plates in size and holes.
 All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.

SPLICE DIMENSIONS

T	D	A	B	C	E
≤ 4"	2 1/2"	1'-8"	2"	4"	2 1/2"
> 4" ≤ 6 1/2"	3 1/2"	2'-0"	2 1/2"	5 1/2"	3 1/2"
> 6 1/2" ≤ 9"	5"	2'-4"	3 1/2"	6 1/2"	9"
> 9" ≤ 13"	7"	2'-10"	4 1/2"	8 1/2"	11"
Rail Splice	1/2"	1'-8"	2"	4"	—

T = Total movement at expansion joint as shown on the design plans.

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type 2399	Foot	216

NOTE: SHEET BASED ON IDOT DRAWING R-31