

03-06-2020 LETTING ITEM 103

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
**PLANS FOR PROPOSED
FEDERAL-AID PROJECT
HSIP FUNDS
VARIOUS ROUTES**
SECTION 16-00132-00-SP
PROJECT AN4K(677)
EDGAR COUNTY
C-95-084-18

VARIOUS ROUTES	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	16-00132-00-SP	EDGAR	56	1
FEDERAL AID PROJECT		ILLINOIS	CONTRACT NO. 91591	

CONTRACT NO. 91591

SEE SHEET 2 FOR
LIST OF ILLINOIS DOT HIGHWAY STANDARDS

UTILITY CONTACTS:

UTILITY TYPE:

ELECTRIC
ENERSTAR POWER CORP.
ATT: TIM HADDIX
PHONE: (217) 251-2439

UTILITY TYPE:

ELECTRIC /GAS
AMEREN-CIPS
ATT: NATHAN HILL
PHONE: (618) 301-5327

UTILITY TYPE:

GAS
TALLGRASS ENERGY /ROCKES EXP
ATT: JOHN DODWELL
PHONE: (217) 676-2171

UTILITY TYPE:

FIBER OPTIC /INTERNET
METRO COMMUNICATIONS CO.
ATT: JASON KOONCE
PHONE: (217) 728-3605

UTILITY TYPE:

WATER
CLARK EDGAR RURAL WATER DISTRICT
ATT: FRANCIS & ASSOCIATES
PHONE: (217) 465-5306

UTILITY TYPE:

TELEPHONE
GRANDVIEW MUTUAL TELEPHONE CO.
ATTN: ANGELA TATE
PHONE: (217) 946-4101

UTILITY TYPE:

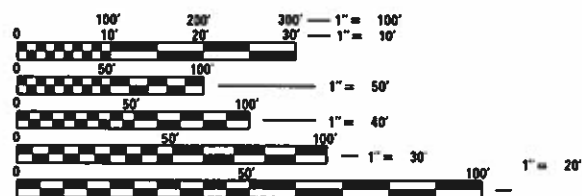
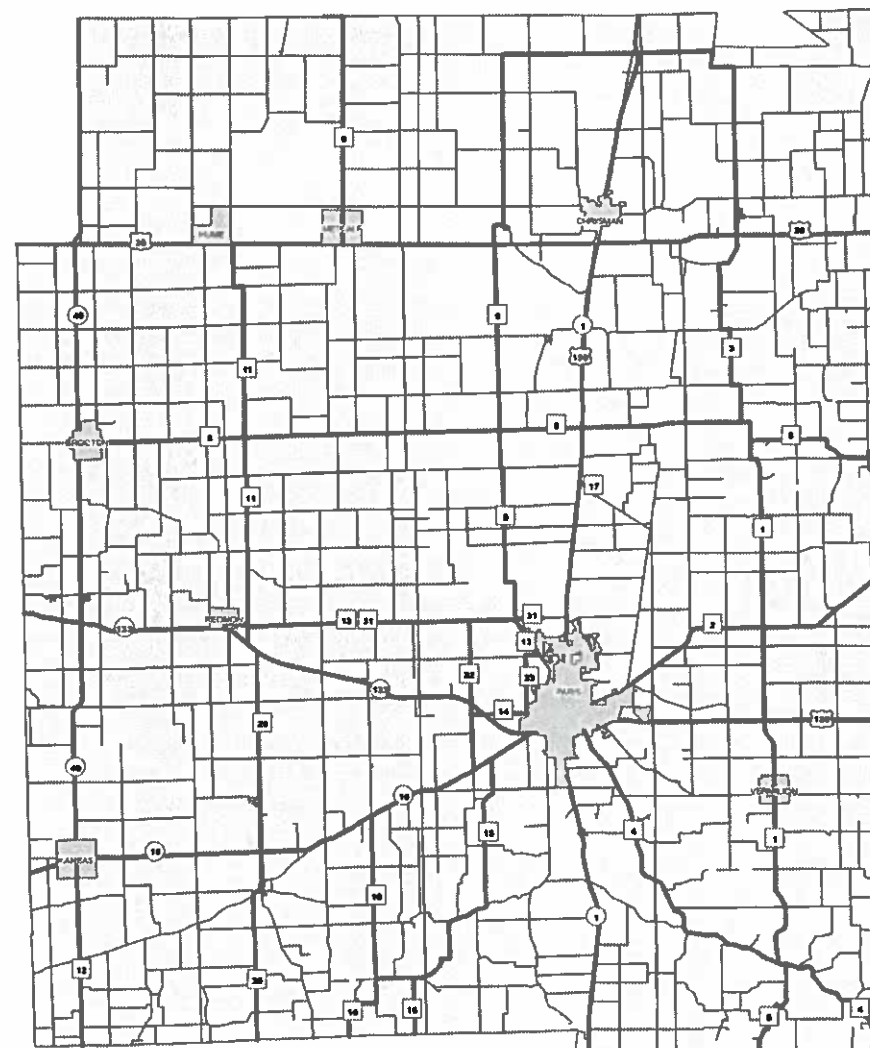
TELEPHONE
FRONTIER COMMUNICATIONS
ATT: KALIN HINSHAW
PHONE: (815) 895-1515

UTILITY TYPE:

TELEPHONE /TV /INTERNET
MEDIACOM
ATT: KELLY BARGER
PHONE: (217) 348-5533

UTILITY TYPE:

TELEPHONE /TV /INTERNET
NEW WAVE COMMUNICATIONS
ATT: JOSH DEWITT
PHONE: (812) 420-2861



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



LAYOUT
EDGAR COUNTY
COUNTY WIDE
(NOT TO SCALE)

LEGEND
□ COUNTY ROAD
○ STATE ROAD
— TOWNSHIP ROAD



Kimberly S. Clummins 11/27/19
ILLINOIS PROFESSIONAL NO. 56816
(Expires 11/30/21)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

APPROVED 12/5 . 20 19
[Signature]
EDGAR COUNTY ENGINEER

PASSED DECEMBER 18 . 20 19
[Signature]
DISTRICT FIVE ENGINEER OF LOCAL ROADS AND STREETS

RELEASED FOR BID BASED ON LIMITED REVIEW December 18 . 20 19
[Signature]
REGION THREE ENGINEER

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

INDEX OF SHEETS

SHEET NO.	TITLE
1	COVER SHEET
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56	RETAINING WALL, SPECIAL

GENERAL NOTES

- THIS PROJECT IS LOCATED ON VARIOUS ROUTES IN EDGAR 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.
- NO OVERNIGHT LANE CLOSURES WILL BE ALLOWED.
- 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.
- SEALCOAT AND SEEDING WILL BE COMPLETED BY THE EDGAR COUNTY HIGHWAY DEPARTMENT. CONTRACTOR SHALL GIVE EDGAR COUNTY A MINIMUM OF 48 HOURS ADVANCE NOTICE OF WHEN EACH LOCATION WILL BE READY FOR THESE OPERATIONS. THE COUNTY WILL THEN BE AFFORDED ANOTHER 24 HOURS TO COMPLETE THE WORK. THE COMPLETION OF THESE OPERATIONS WILL BE INCLUDED WHEN DETERMINING WHICH DAYS ARE WORKABLE IN ACCORDANCE WITH ARTICLE 108.04.
- 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.
- 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.
- AGGREGATE BASE COURSE, TYPE B AND FURNISHED EXCAVATION (SPECIAL) SHALL BE USED TO BUILD UP SHOULDERS IN AREAS THAT ARE CALLED OUT TO RECEIVE NEW GUARDRAIL AND TERMINALS. QUANTITIES PROVIDED ARE ESTIMATES FOR EACH LOCATION. THE QUANTITY FOR AGGREGATE BASE COURSE, TYPE B WILL BE PAID FOR IN TONS. THE QUANTITY FOR FURNISHED EXCAVATION (SPECIAL) WILL BE PAID FOR IN CU YD.

BEFORE ORDERING PIPE CULVERTS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT PIPE LENGTHS.

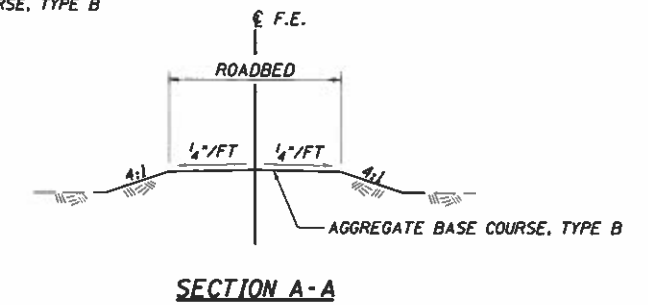
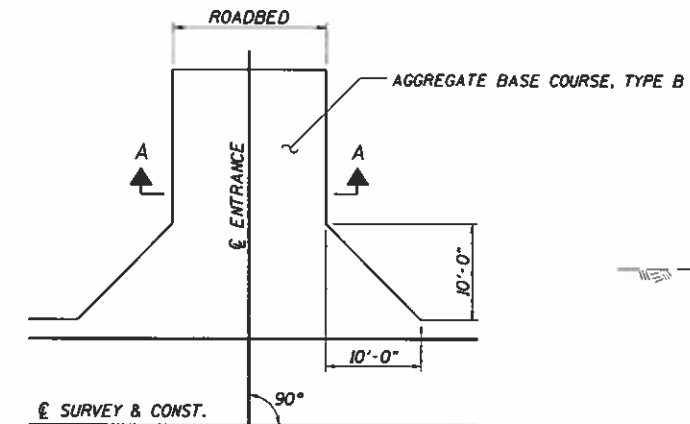
THE AREA TO BE SEEDED SHALL CONSIST OF ALL DISTURBED EARTH SURFACES WITHIN THE RIGHT OF WAY (BY OTHERS).

THE COUNTY'S LAYDOWN YARD WILL BE AVAILABLE FOR USE BY THE COUNTY TO STORE ANY MATERIAL DELIVERED TO THE JOBSITE. LABOR AND EQUIPMENT NEEDED FOR UNLOADING DELIVERED MATERIAL WILL ALSO BE AVAILABLE.

COMMITMENTS
NONE AT THIS TIME

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
630101-10	STRONG POST GUARDRAIL ATTACHED TO CULVERT
630106-02	LONG-SPAN GUARDRAIL OVER CULVERT
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631011-10	TRAFFIC BARRIER TERMINAL, TYPE 2
631031-16	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
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
725001-01	OBJECT AND TERMINAL MARKERS
728001-01	TELESCOPING STEEL SIGN SUPPORT
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
782006-01	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS
BLR 27-1	TRAFFIC BARRIER TERMINAL TYPE 5A



SUMMARY OF QUANTITIES

CONSTRUCTION CODE	
HSIP FUNDS	
90% FEDERAL	
10% LOCAL	
ROADWAY	
0021	
RURAL	

CODE NO	ITEM	UNIT	TOTAL QUANTITY	0021 RURAL
Δ 21400100	GRADING AND SHAPING DITCHES	FOOT	245	245
Δ 28000500	INLET AND PIPE PROTECTION	EACH	8	8
Δ 35101400	AGGREGATE BASE COURSE, TYPE B	TON	3,104	3,104
Δ 50105220	PIPE CULVERT REMOVAL	FOOT	32	32
50900200	STEEL RAILING, TYPE 2399	FOOT	152.0	152.0
Δ 54200220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	306	306
Δ 54200223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	66	66
Δ 54200235	PIPE CULVERTS, CLASS D, TYPE 1 30"	FOOT	6	6
Δ 54205527	PIPE CULVERTS, CLASS D, TYPE 1, EQUIVALENT ROUND-SIZE 72"	FOOT	30	30
Δ 54205533	PIPE CULVERTS, CLASS D, TYPE 1, EQUIVALENT ROUND-SIZE 78"	FOOT	16	16
63000003	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS	FOOT	5,812.5	5,812.5
63000009	STEEL PLATE BEAM GUARDRAIL, TYPE B, 9 FOOT POSTS	FOOT	100.0	100.0
63000030	STRONG POST GUARDRAIL ATTACHED TO CULVERT	FOOT	25.0	25.0
63000370	LONG-SPAN GUARDRAIL OVER CULVERT, 25 FT SPAN	FOOT	250.0	250.0
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	6	6
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	4	4

• SEE SPECIAL PROVISIONS
 Δ SPECIALTY ITEMS

SUMMARY OF QUANTITIES

CONSTRUCTION CODE	
HSIP FUNDS	
90% FEDERAL	
10% LOCAL	
ROADWAY	
0021	
RURAL	

CODE NO	ITEM	UNIT	TOTAL QUANTITY	0021 RURAL
63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	4	4
63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4	4
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	54	54
63200310	GUARDRAIL REMOVAL	FOOT	2,975	2,975
67100100	MOBILIZATION	L SUM	1	1
• 70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1
72500300	OBJECT MARKER, TYPE 3	EACH	2	2
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	54	54
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	32	32
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	179	179
Δ X2040805	FURNISHED EXCAVATION (SPECIAL)	CU YD	1,580	1,580
• X6300130	STEEL PLATE BEAM GUARDRAIL, TYPE A (SPECIAL)	FOOT	150.0	150.0
• X6300210	GUARDRAIL BLOCKS	EACH	93	93
• X6320100	GUARDRAIL REMOVAL, SPECIAL	FOOT	300	300
• X6330725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT	150.0	150.0
• XX008553	RETAINING WALL, SPECIAL	FOOT	3,746	3,746

• SEE SPECIAL PROVISIONS
 Δ SPECIALTY ITEMS



JOB # 2580
 FILE NAME = 2580-ah-gardgn
 PLOT SCALE = 100.0000 1" = 40'
 PLOT DATE = 12/9/2019

DESIGNED - CCF
 DRAWN - CCF
 CHECKED - NAK
 DATE - 9/26/2019

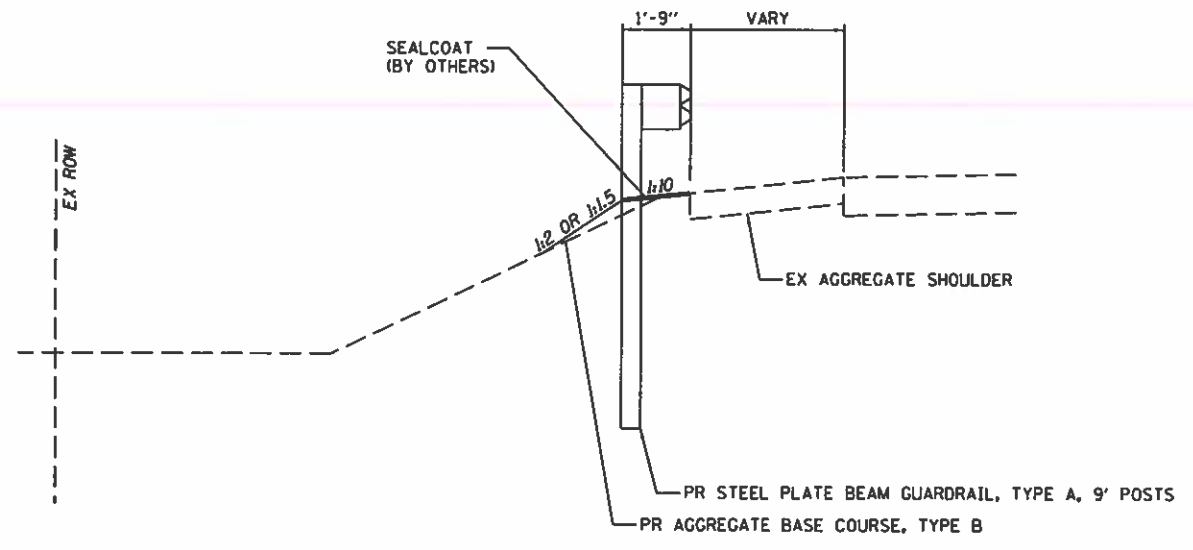
REVISED -
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EDGAR COUNTY
 GUARDRAIL IMPROVEMENTS

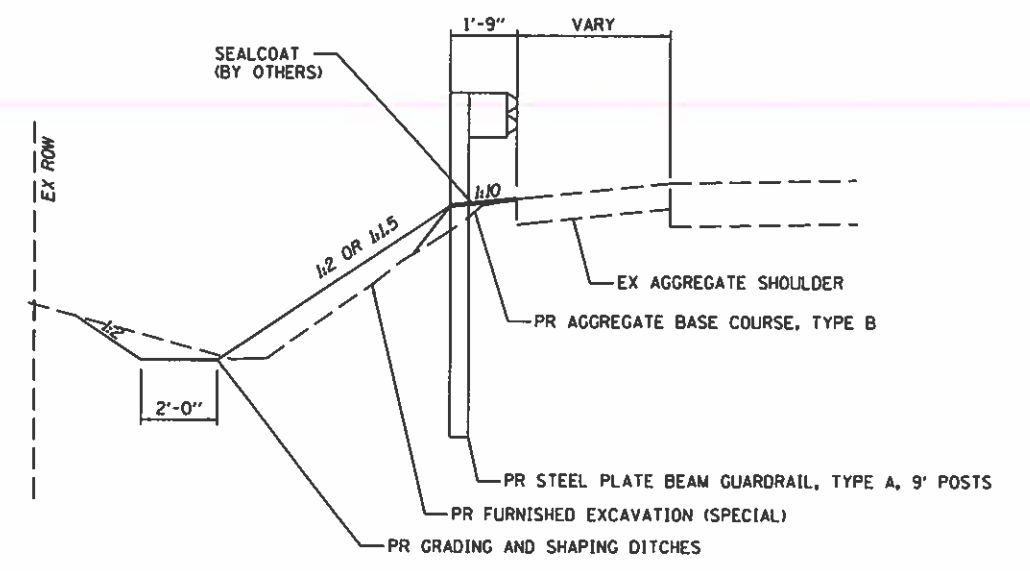
SUMMARY OF QUANTITIES

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

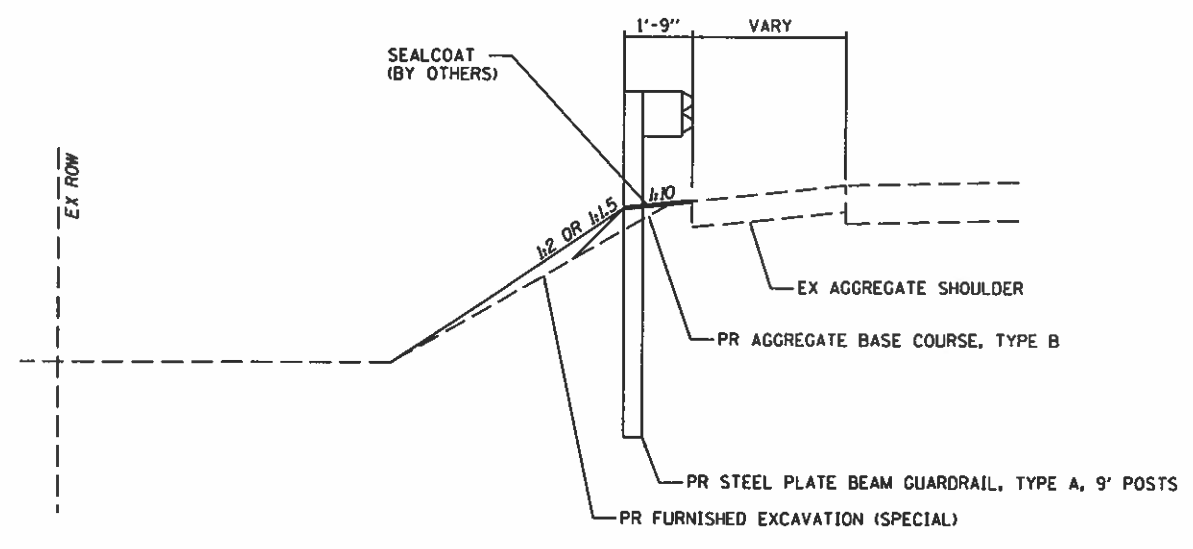
VARIOUS ROUTES	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	16-00132-00-SP	EDGAR	56	3
		CONTRACT NO. 91591		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



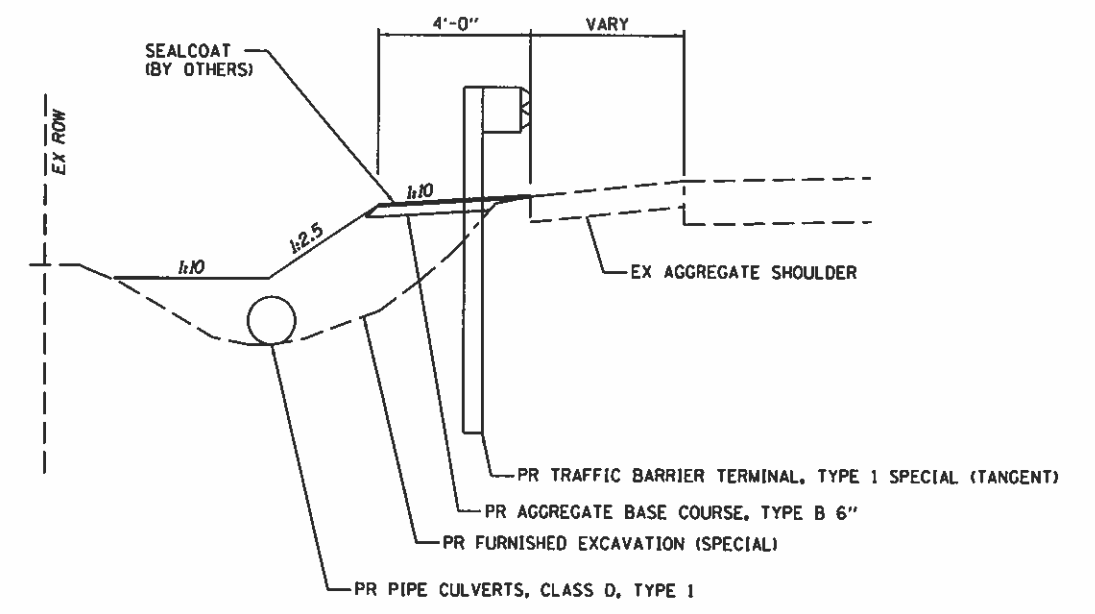
PROPOSED TYPICAL SECTION #1
 GUARDRAIL WITH 9' POSTS
 (LOCATIONS 4, 5, 6, 7, 19, 21, 22, 55)



PROPOSED TYPICAL SECTION #3
 PR GRADING AND SHAPING DITCHES
 (LOCATIONS 11, 12, 18)



PROPOSED TYPICAL SECTION #2
 GUARDRAIL WITH 9' POSTS
 (LOCATIONS 9, 10, 11, 12, 13, 14, 18, 40)
 • USE PR STEEL PLATE BEAM GUARDRAIL, TYPE B, 9' POSTS AT LOCATION 14



PROPOSED TYPICAL SECTION #4
 PR PIPE CULVERT AT TYPE 1 TERMINAL
 (LOCATIONS 9, 12, 13, 14)
 • USE AGGREGATE BASE COURSE, TYPE B ONLY AT LOCATION 12

NOTE:
 AGGREGATE BASE COURSE, TYPE B AND FURNISHED EXCAVATION (SPECIAL) SHALL BE USED TO BUILD UP SHOULDERS IN AREAS THAT ARE CALLED OUT TO RECEIVE NEW GUARDRAIL AND TERMINALS. FURNISHED EXCAVATION (SPECIAL) SHALL BE AT LOCATIONS 9, 10, 11, 12, 13, 14, 18, AND 40.
 QUANTITIES PROVIDED ARE ESTIMATES FOR EACH LOCATION AND WILL BE MEASURED FOR PAYMENT IN TONS.
 SEE SCHEDULES FOR APPROXIMATED QUANTITIES.

GUARDRAIL SCHEDULE

LOCATION NUMBER	QUADRANT (NE, SE, NW, SW, LEFT, RIGHT)	SPBGR TY A 9' POSTS	SPBGR TY B 9' POSTS	SPBGR TY A (SPECIAL)	SPBGR (SHORT RADIUS)	LONG-SPAN GUARDRAIL OVER CULVERT, 25 FT SPAN	STRONG POST GUARDRAIL ATTACHED TO CULVERT	STEEL RAILING, TYPE 2399	TBT TY 1 (SPECIAL) TANGENT	TBT TYPE 2	TBT TYPE 5A	TBT TYPE 6	TBT TYPE 6A	GUARDRAIL REMOVAL	GUARDRAIL REMOVAL, SPECIAL	GUARDRAIL REFLECTORS, TYPE A	TERMINAL MARKER - DIRECT APPLIED	GUARDRAIL BLOCKS
		FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	50'	EACH	EACH	EACH	EACH	EACH	FOOT	FOOT	EACH	EACH
4	LEFT	150.0							2					250.0		4	2	
5	LEFT	75.0							2					175.0		8	2	93
6	NW								1		1			87.5		4	1	
	NE	25.0							1		1			75.0		4	1	
	SW	25.0							1		1			75.0		4	1	
	SE								1		1			75.0		4	1	
7	LEFT	75.0			25.0				1	1				112.5		4	1	
	RIGHT	75.0			25.0				1	1				112.5		4	1	
9	LEFT	87.5							2					150.0		4	2	
	RIGHT	87.5							2					150.0		4	2	
10	LEFT	87.5							2					200.0		4	2	
	RIGHT	87.5							2					200.0		4	2	
11	LEFT	25.0				50.0			2					150.0		4	2	
	RIGHT	25.0				50.0			2					150.0		4	2	
12	LEFT	62.5				50.0			2					162.5		4	2	
	RIGHT	62.5				50.0			2					162.5		4	2	
13	LEFT	50.0				50.0			2					25.0		4	2	
	RIGHT								2								2	
14	LEFT		50.0	75.0					2					75.0	75.0	4	2	
	RIGHT		50.0	75.0					2					75.0	75.0	4	2	
18	LEFT	75.0						76.0	2			2		50.0		8	2	
	RIGHT	75.0						76.0	2			2		50.0		8	2	
19	LEFT	87.5					12.5		2					137.5		4	2	
	RIGHT	87.5					12.5		2					137.5		4	2	
21	RIGHT	912.5							2					37.5		12	2	
22	LEFT								1					50.0			1	
	RIGHT								1					50.0			1	
40	NW								1			1			37.5	4	1	
	NE	25.0							1			1			37.5	4	1	
	SW	25.0							1			1			37.5	4	1	
	SE								1			1			37.5	4	1	
55	LEFT	2462.5			50.0				2	2							32	2
	RIGHT	1062.5			50.0				2	2							15	2
TOTAL		5,812.5	100.0	150.0	150.0	250.0	25.0	152.0	54	6	4	4	4	2,975.0	300.0	179	54	93
ROUNDED TOTAL														2,975	300			



JOB - 2580
 FILE NAME = 2580-sht-schedules.dgn
 PLOT SCALE = 2.0000" = 1'-0"
 PLOT DATE = 11/27/2019

DESIGNED - CGF
 DRAWN - CGF
 CHECKED - NAK
 DATE - 10/30/2019

REVISED -
 REVISED -
 REVISED -
 REVISED -

**EDGAR COUNTY
 GUARDRAIL IMPROVEMENTS**

SCHEDULES OF QUANTITIES

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

ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	16-00132-00-5P	EDGAR	56	6
CONTRACT NO. 91591				

FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

EARTHWORK SCHEDULE

LOCATION NUMBER	QUADRANT (NE, SE, NW, SW, LEFT, RIGHT)	AGGREGATE BASE COURSE, TYPE B	FURNISHED EXCAVATION, SPECIAL
		TON	CU YD
4 & 5	LEFT	24	
6	SW	24	
7	LEFT	12	
	RIGHT	12	
9	LEFT	24	150
	RIGHT	24	100
10	LEFT	24	120
	RIGHT	24	270
11	LEFT	24	40
	RIGHT	24	40
12	LEFT	24	60
	RIGHT	24	40
13	LEFT	24	130
	RIGHT	24	20
14	LEFT	24	150
	RIGHT	24	110
18	LEFT	24	120
	RIGHT	24	90
19	LEFT	24	
	RIGHT	24	
21	RIGHT	300	
22	LEFT	12	
	RIGHT	12	
40	NW	24	10
	NE	24	40
	SW	24	30
	SE	24	60
TOTAL		*876	1,580

DRAINAGE SCHEDULE

LOCATION NUMBER	QUADRANT (NE, SE, NW, SW, LEFT, RIGHT)	PIPE CULVERTS, CLASS D, TYPE 1 15"	PIPE CULVERTS, CLASS D, TYPE 1 18"	PIPE CULVERTS, CLASS D, TYPE 1 30"	PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT ROUND-SIZE 72"	PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT ROUND-SIZE 78"
		FOOT	FOOT	FOOT	FOOT	FOOT
9	LEFT	102				
12	RIGHT		66			
13	LEFT	54				
14	LEFT	102				
	RIGHT	48				
55	LEFT				30	
	RIGHT			6		16
TOTAL		306	66	6	30	16

EROSION CONTROL SCHEDULE

LOCATION NUMBER	QUADRANT (NE, SE, NW, SW, LEFT, RIGHT)	INLET AND PIPE PROTECTION	GRADING AND SHAPING DITCHES
		EACH	FOOT
9	LEFT	2	
11	LEFT	1	31
12	LEFT		71
	RIGHT	1	72
13	LEFT	1	
14	LEFT	2	
	RIGHT	1	
18	RIGHT		71
55	LEFT		
	RIGHT		
TOTAL		8	245

ENTRANCE SCHEDULE

LOCATION NUMBER	STATION	WIDTH	LENGTH	AGGREGATE BASE COURSE, TYPE B
		FOOT	FOOT	TON
55	RT STA 10+47.00	40	46	17.30
	LT STA 27+37.00	40	39	15.10
TOTAL				32.40
ROUNDED TOTAL				*32

PIPE CULVERT REMOVAL SCHEDULE

LOCATION NUMBER	QUADRANT (NE, SE, NW, SW, LEFT, RIGHT)	PIPE CULVERT REMOVAL
		FOOT
12	RIGHT	32
TOTAL		32

SIGN SCHEDULE

LOCATION NUMBER	QUADRANT (NE, SE, NW, SW, LEFT, RIGHT)	OBJECT MARKER, TYPE 3	TELESCOPING STEEL SIGN SUPPORT
		EACH	FOOT
13	LEFT	1	16
	RIGHT	1	16
TOTAL		2	32

GUARDRAIL ADJUSTMENT SCHEDULE

LOCATION NUMBER	QUADRANT (NE, SE, NW, SW, LEFT, RIGHT)	VERTICAL ADJUSTMENT OF GUARDRAIL
		FOOT
5	LEFT	50.0
22	LEFT	25.0
	RIGHT	25.0
TOTAL		100.0

RETAINING WALL SCHEDULE

LOCATION NUMBER	QUADRANT (NE, SE, NW, SW, LEFT, RIGHT)	RETAINING WALL, SPECIAL	GEOTECHNICAL FABRIC	AGGREGATE BASE COURSE, TYPE B
		FOOT	SQ YD	TON
55	LEFT	2,579	1,815	1,500
	RIGHT	1,167	2,399	696
TOTAL		3,746	4,214	*2,196

*SEE OTHER SCHEDULES FOR ADDITIONAL QUANTITY



JOB # 2580	DESIGNED - CCF	REVISED -
FILE NAME = #FILES#	DRAWN - CCF	REVISED -
PLOT SCALE = #SCALE#	CHECKED - NAK	REVISED -
PLOT DATE = #DATE#	DATE - 10/30/2019	REVISED -

EDGAR COUNTY GUARDRAIL IMPROVEMENTS

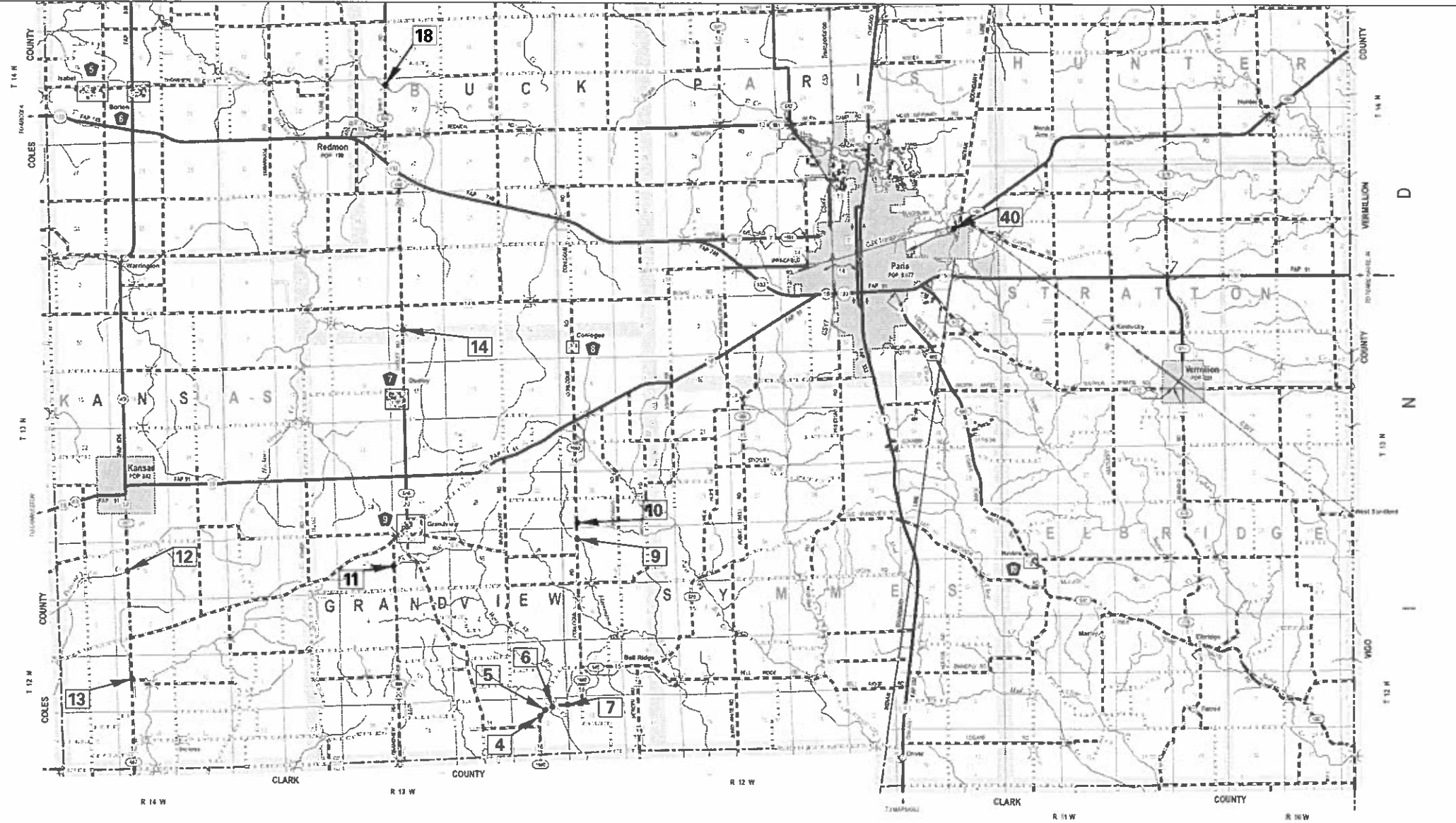
SCHEDULES OF QUANTITIES

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

ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	16-00132-00-SP	EDGAR	56	7
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 91591	



MATCHLINE - NORTH EDGAR COUNTY



CEC Cummins
Engineering
Corporation
Civil and Structural Engineering

JOB # 2580
FILE NAME # 2580-Edgar County CR loca
PLOT SCALE # 10000.0000' / in.
PLOT DATE # 11/27/2019

DESIGNED - -	REVISD -
DRAWN/dgn - BEB	REVISD -
CHECKED - -	REVISD -
DATE # 4/12/2018	REVISD -

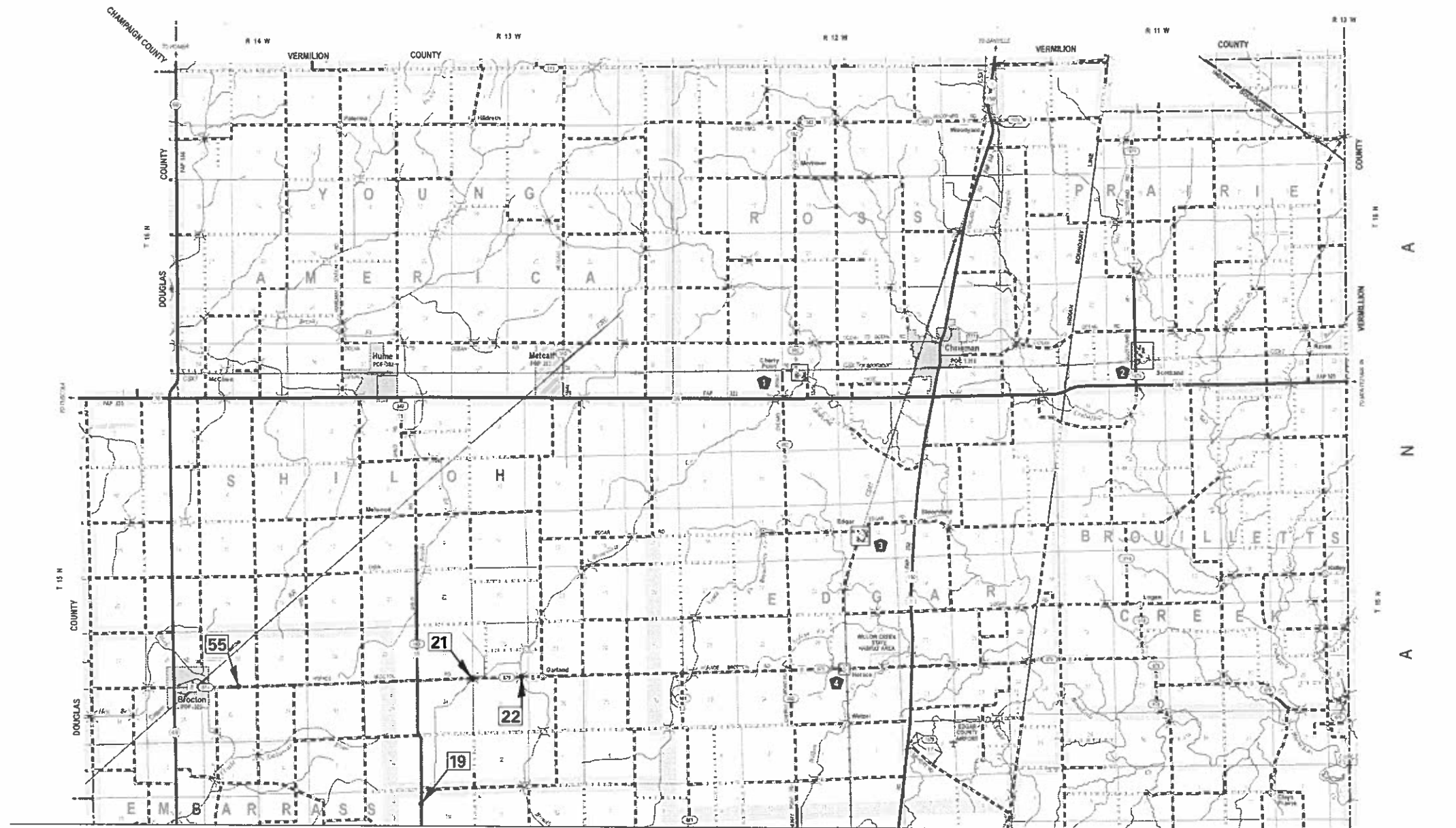
**SOUTHERN EDGAR COUNTY
GUARDRAIL IMPROVEMENTS**

**GUARDRAIL IMPROVEMENTS LOCATION MAP
EDGAR COUNTY**

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

• VARIOUS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	17-000X-00-CR	EDGAR	56	8
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 91591	



MATCHLINE - SOUTH EDGAR COUNTY

CEC Cummins
Engineering
Corporation
Civil and Structural Engineering

JOB # 2580
FILE NAME = 2580-Edgar County GR 1000
PLOT SCALE = 10000.0000 / 1 in.
PLOT DATE = 11/27/2019

DESIGNED - -	REVISED -
DRAWN BY - BEB	REVISED -
CHECKED - -	REVISED -
DATE = 4/12/2018	REVISED -

**NORTHERN EDGAR COUNTY
GUARDRAIL IMPROVEMENTS**

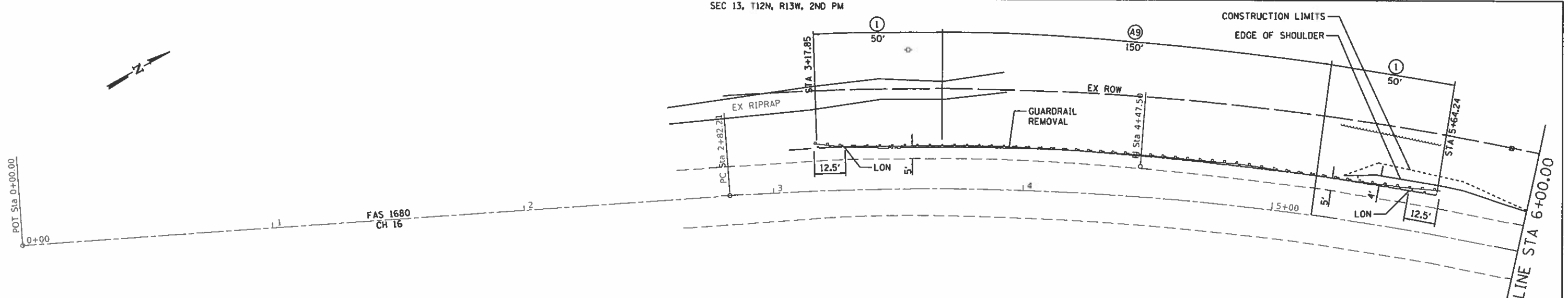
**GUARDRAIL IMPROVEMENTS LOCATION MAP
EDGAR COUNTY**

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

• VARIOUS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
•	17-000XX-00-GR	EDGAR	56	9
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 91591	

SEC 13, T12N, R13W, 2ND PM



CH 16

CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	0+00.00	1030117.73	1134040.22
PC	2+82.21	1030374.24	1134157.88
PI	4+47.50	1030524.48	1134226.80
PT	6+10.44	1030648.55	1134336.01
PC	8+63.49	1030838.48	1134503.22
PI	11+91.58	1031084.75	1134720.00
PT	15+05.52	1031194.60	1135029.15
POT	21+12.00	1031397.67	1135600.62

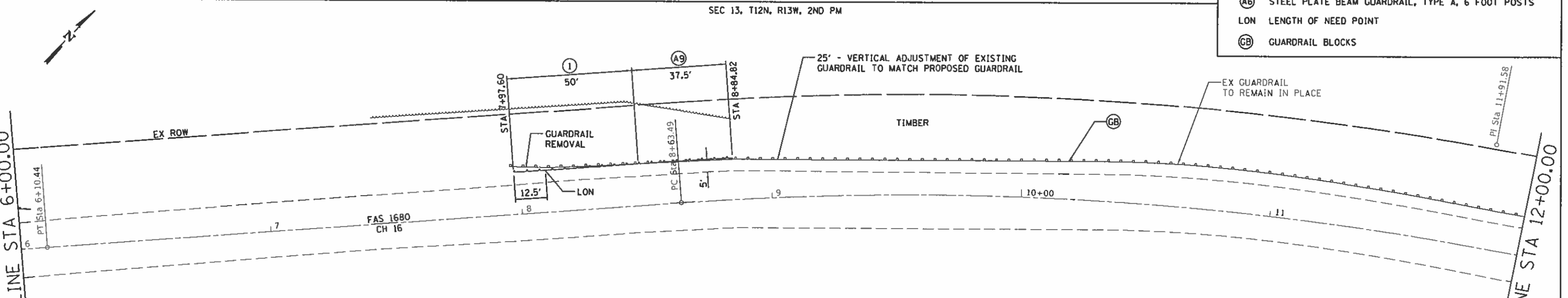
EXIST. CURVE 6CRV1
 PI STA. = 4+47.50
 $\Delta = 16^\circ 43' 00''$ (RT)
 $D = 5^\circ 05' 35''$
 $R = 1,125.00'$
 $T = 165.29'$
 $L = 328.23'$
 $E = 12.08'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 2+82.21$
 $P.T. STA. = 6+10.44$

LOCATION NO. 4
 MAJOR COLLECTOR
 ADT 350 (2016)
 DESIGN SPEED 40 MPH

LEGEND

(I)	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
(A6)	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
LON	LENGTH OF NEED POINT
(GB)	GUARDRAIL BLOCKS

SEC 13, T12N, R13W, 2ND PM



CH 16

CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	0+00.00	1030117.73	1134040.22
PC	2+82.21	1030374.24	1134157.88
PI	4+47.50	1030524.48	1134226.80
PT	6+10.44	1030648.55	1134336.01
PC	8+63.49	1030838.48	1134503.22
PI	11+91.58	1031084.75	1134720.00
PT	15+05.52	1031194.60	1135029.15
POT	21+12.00	1031397.67	1135600.62

EXIST. CURVE 6CRV2
 PI STA. = 11+91.58
 $\Delta = 29^\circ 04' 46''$ (RT)
 $D = 4^\circ 31' 46''$
 $R = 1,265.00'$
 $T = 328.09'$
 $L = 642.03'$
 $E = 41.85'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 8+63.49$
 $P.T. STA. = 15+05.52$

LOCATION NO. 5
 MAJOR COLLECTOR
 ADT 350 (2016)
 DESIGN SPEED 40 MPH

**EDGAR COUNTY
 GUARDRAIL IMPROVEMENTS**

PLAN - LOCATIONS NO. 4 & 5



JOB = 2580
 FILE NAME = 2580-Plan-4-5.dwg
 PLOT SCALE = 40,0000' / 1" = 1127/2018

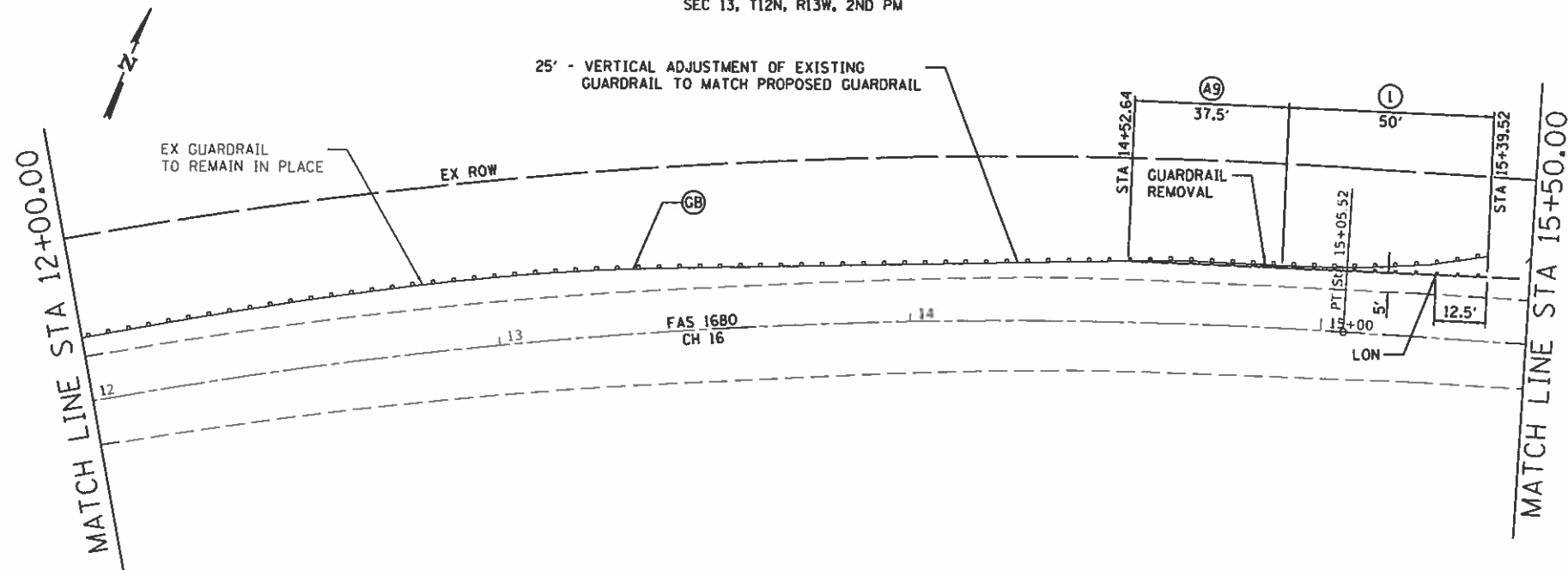
DESIGNED - CGF
 DRAWN - SJS
 CHECKED - NAK
 DATE - 8/27/2018

REVISED -
 REVISED -
 REVISED -
 REVISED -

SCALE: SHEET OF SHEETS STA. TO STA.

ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	16-00132-00-SP	EDGAR	56	10

CONTRACT NO. 91591



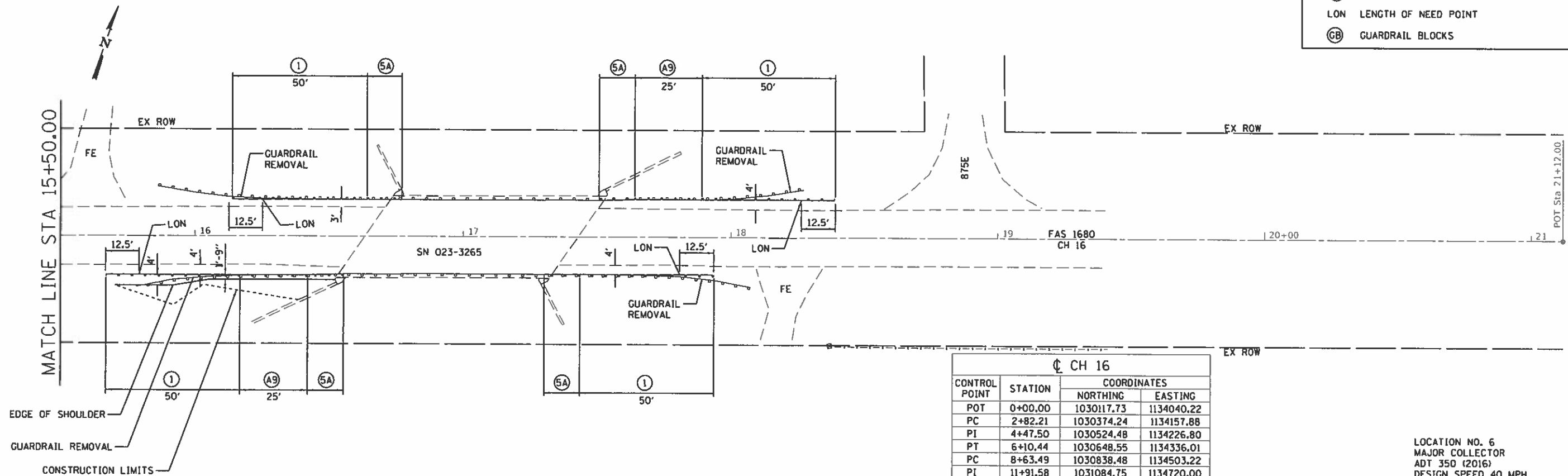
CH 16

CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	0+00.00	1030117.73	1134040.22
PC	2+82.21	1030374.24	1134157.88
PI	4+47.50	1030524.48	1134226.80
PT	6+10.44	1030648.55	1134336.01
PC	8+63.49	1030838.48	1134503.22
PI	11+91.58	1031084.75	1134720.00
PT	15+05.52	1031194.60	1135029.15
POT	21+12.00	1031397.67	1135600.62

LOCATION NO. 5
MAJOR COLLECTOR
ADT 350 (2016)
DESIGN SPEED 40 MPH

LEGEND

①	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
⑤A	TRAFFIC BARRIER TERMINAL, TYPE 5A
⑥	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS
⑨	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS
LON	LENGTH OF NEED POINT
Ⓞ	GUARDRAIL BLOCKS



CH 16

CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	0+00.00	1030117.73	1134040.22
PC	2+82.21	1030374.24	1134157.88
PI	4+47.50	1030524.48	1134226.80
PT	6+10.44	1030648.55	1134336.01
PC	8+63.49	1030838.48	1134503.22
PI	11+91.58	1031084.75	1134720.00
PT	15+05.52	1031194.60	1135029.15
POT	21+12.00	1031397.67	1135600.62

LOCATION NO. 6
MAJOR COLLECTOR
ADT 350 (2016)
DESIGN SPEED 40 MPH

**EDGAR COUNTY
GUARDRAIL IMPROVEMENTS**

PLAN - LOCATIONS NO. 5 & 6



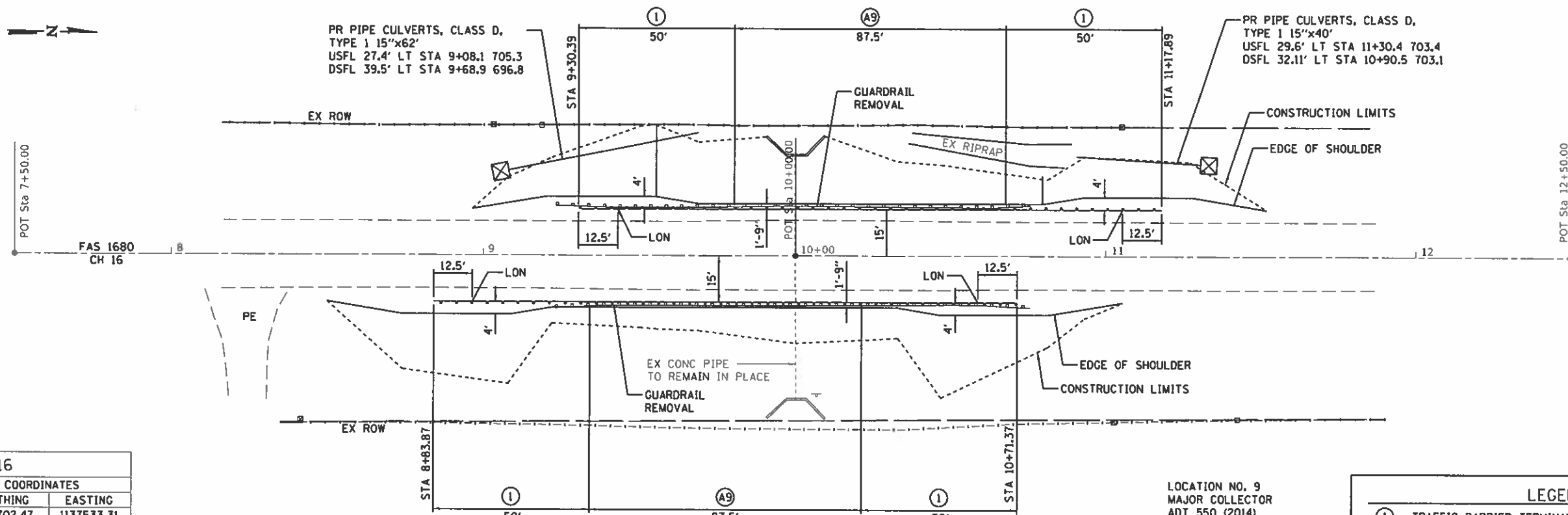
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FILE NAME # 2580-ehc-plan-5-6.dgn
PLOT SCALE = 40'000" = 1"
PLOT DATE = 11/27/2019

DESIGNED - CGF
DRAWN - SJS
CHECKED - NAK
DATE - 8/27/2019

REVISED -
REVISED -
REVISED -
REVISED -

SCALE: SHEET OF SHEETS STA. TO STA.

ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	16-00132-00-SP	EDGAR	56	11
CONTRACT NO. 91591				



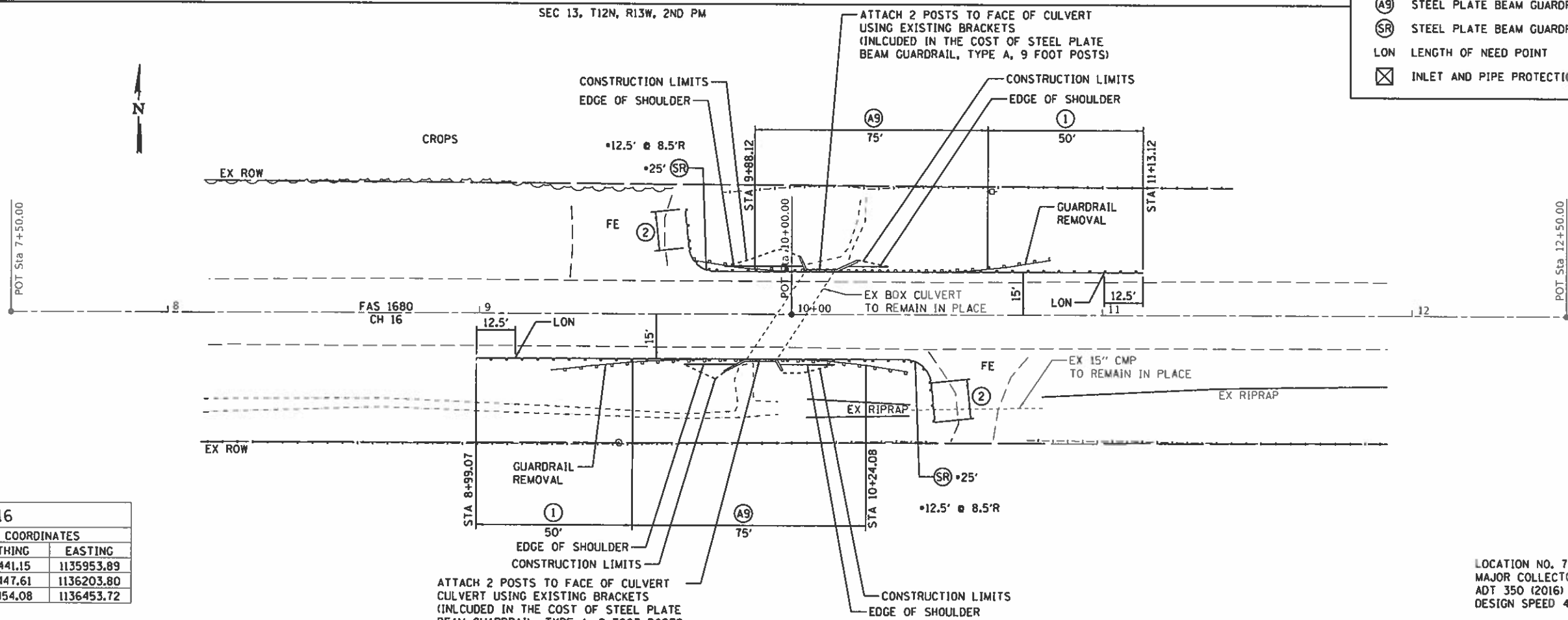
CH 16

CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	7+50.00	1045702.47	1137533.31
POT	10+00.00	1045952.40	1137527.12
POT	12+50.00	1046202.32	1137520.94

LOCATION NO. 9
MAJOR COLLECTOR
ADT 550 (2014)
DESIGN SPEED 50 MPH

LEGEND

- ① TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
- ② TRAFFIC BARRIER TERMINAL, TYPE 2
- AS STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS
- SR STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)
- LON LENGTH OF NEED POINT
- ⊗ INLET AND PIPE PROTECTION



CH 16

CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	7+50.00	1031441.15	1135953.89
POT	10+00.00	1031447.61	1136203.80
POT	12+50.00	1031454.08	1136453.72

ATTACH 2 POSTS TO FACE OF CULVERT USING EXISTING BRACKETS (INCLUDED IN THE COST OF STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS)

LOCATION NO. 7
MAJOR COLLECTOR
ADT 350 (2016)
DESIGN SPEED 40 MPH

EDGAR COUNTY
GUARDRAIL IMPROVEMENTS

PLAN - LOCATIONS NO. 7 & 9



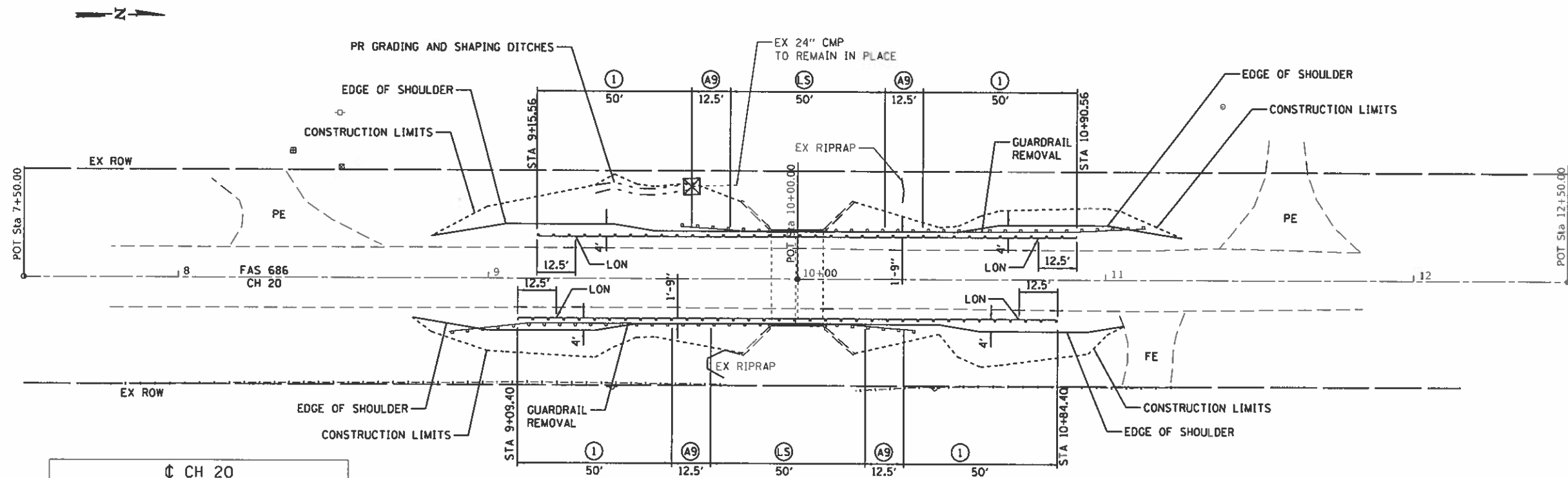
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PLOT SCALE = 40,0000' / in.
PLOT DATE = 11/27/2019

DESIGNED - CGF	REVISED -
DRAWN - SJS	REVISED -
CHECKED - NAK	REVISED -
DATE - 6/27/2019	REVISED -

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	15-00132-00-SP	EDGAR	56	12

CONTRACT NO. 91591	
ILLINOIS	FED. AID PROJECT



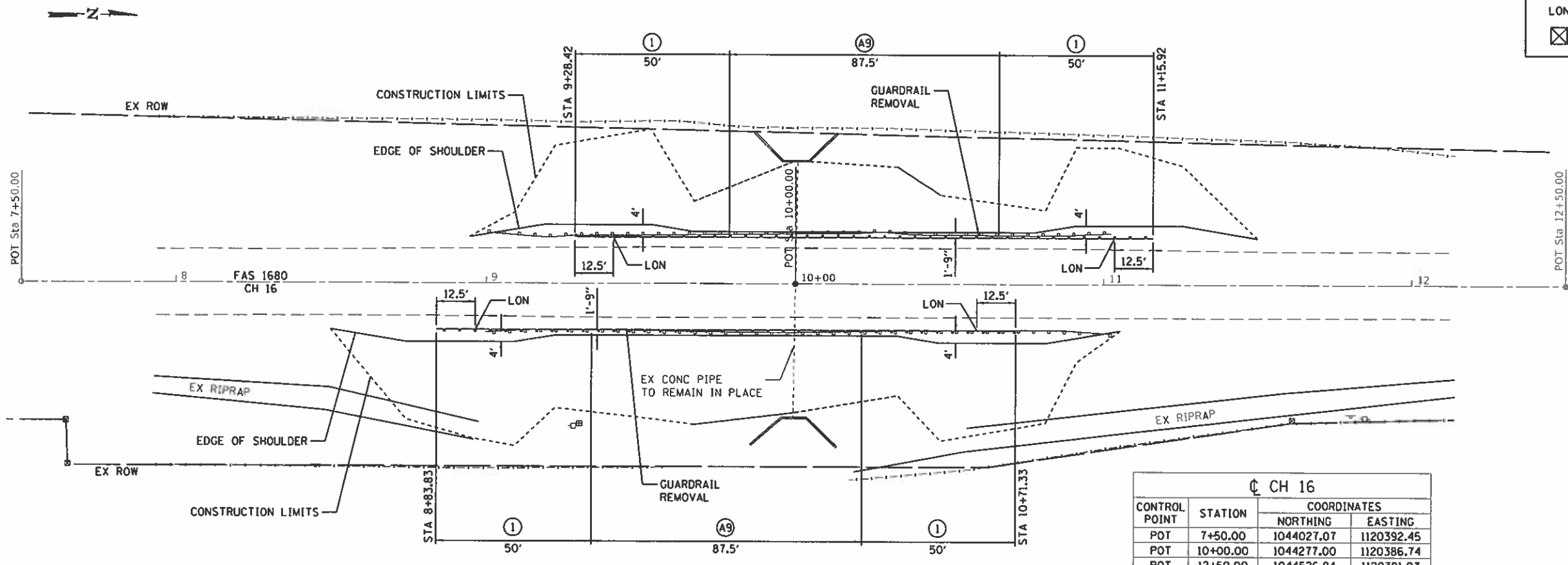
CH 20

CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	7+50.00	1046697.29	1137506.64
POT	10+00.00	1046947.21	1137500.04
POT	12+50.00	1047197.12	1137493.43

LOCATION NO. 11
MAJOR COLLECTOR
ADT 275 (2014)
DESIGN SPEED 40 MPH

LEGEND

- ① TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
- A9 STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS
- LS LONG-SPAN GUARDRAIL OVER CULVERT, 25 FT SPAN
- LON LENGTH OF NEED POINT
- ☒ INLET AND PIPE PROTECTION



CH 16

CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	7+50.00	1044027.07	1120392.45
POT	10+00.00	1044277.00	1120386.74
POT	12+50.00	1044526.94	1120381.03

LOCATION NO. 10
MAJOR COLLECTOR
ADT 550 (2014)
DESIGN SPEED 50 MPH

MODEL: Default
 FILE NAME: 2580-114-plan10_11.dwg



JOB #	2580
FILE NAME	2580-114-plan10_11.dwg
PLOT SCALE	40,0000' / in.
PLOT DATE	11/27/2019

DESIGNED	- CGF	REVISED	-
DRAWN	- SJS	REVISED	-
CHECKED	- NAK	REVISED	-
DATE	- 8/27/2019	REVISED	-

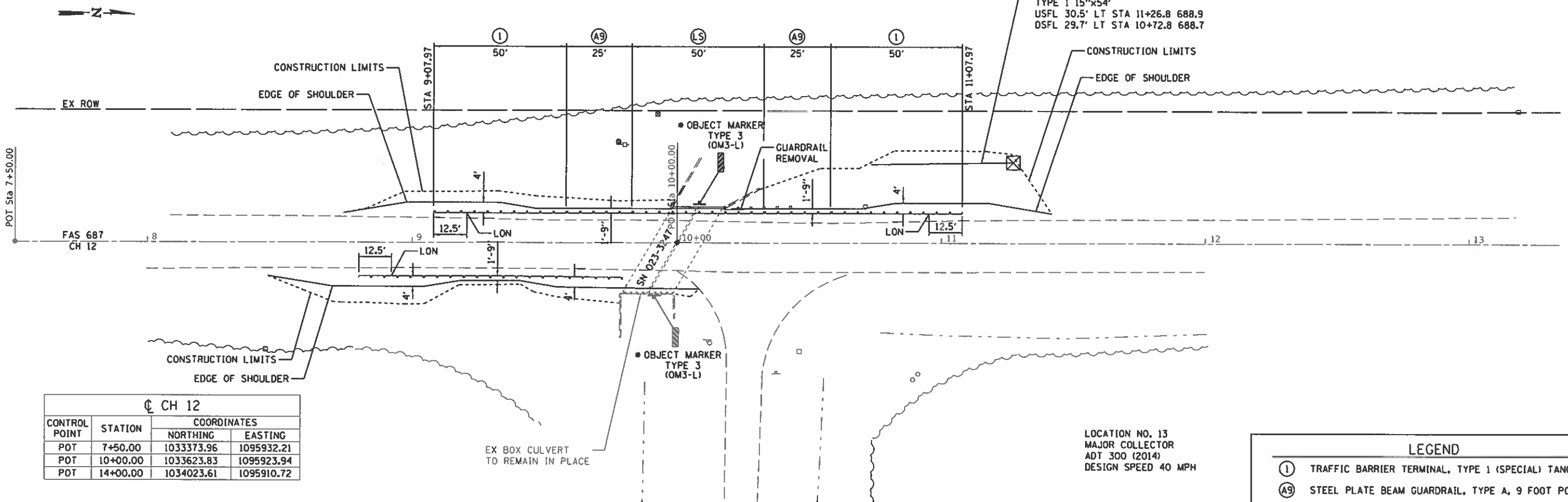
EDGAR COUNTY
GUARDRAIL IMPROVEMENTS

PLAN - LOCATIONS NO. 10 & 11

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	16-00132-00-SP	EDGAR	56	13
CONTRACT NO. 91591				
ILLINOIS FED. AID PROJECT				

SEC 11, T12N, R14W, 2ND PM



CH 12

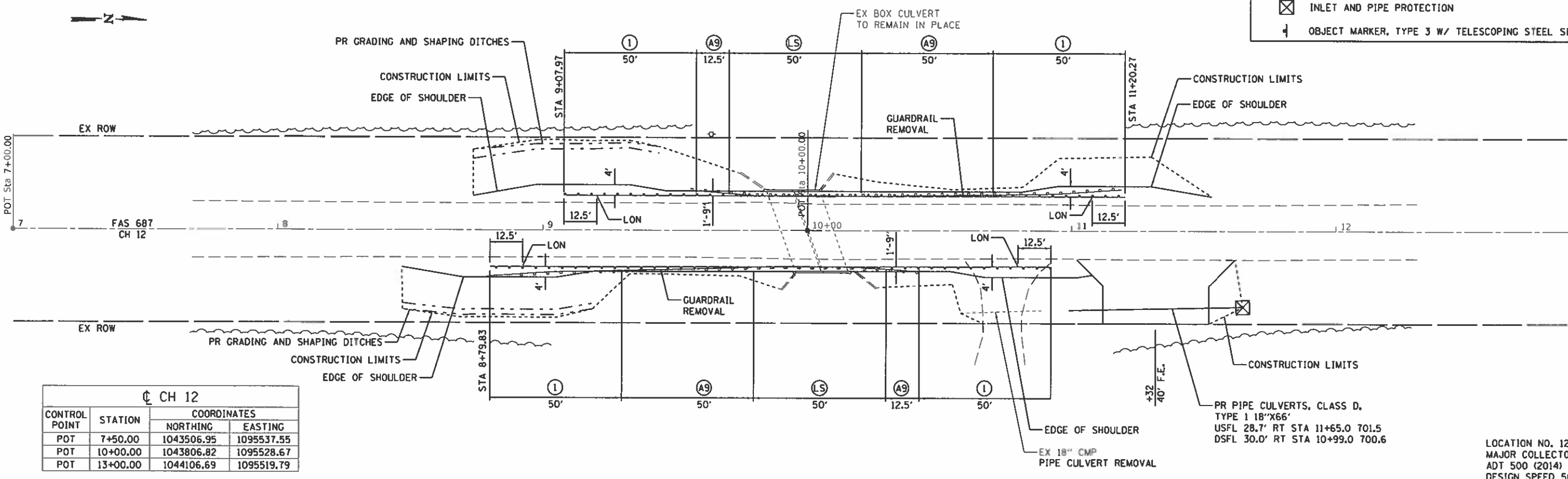
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	7+50.00	1033373.96	1095932.21
POT	10+00.00	1033623.83	1095923.94
POT	14+00.00	1034023.61	1095910.72

LOCATION NO. 13
MAJOR COLLECTOR
ADT 300 (2014)
DESIGN SPEED 40 MPH

LEGEND

(1)	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
(A9)	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS
(LS)	LONG SPAN GUARDRAIL OVER CULVERT, 25 FOOT SPAN
LON	LENGTH OF NEED POINT
⊗	INLET AND PIPE PROTECTION
+	OBJECT MARKER, TYPE 3 W/ TELESCOPING STEEL SIGN SUPPORT

SEC 35, T13N, R14W, 2ND PM



CH 12

CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	7+50.00	1043506.95	1095537.55
POT	10+00.00	1043806.82	1095528.67
POT	13+00.00	1044106.69	1095519.79

PR PIPE CULVERTS, CLASS D,
TYPE 1 18"x66"
USFL 28.7' RT STA 11+65.0 701.5
DSFL 30.0' RT STA 10+99.0 700.6

LOCATION NO. 12
MAJOR COLLECTOR
ADT 500 (2014)
DESIGN SPEED 50 MPH

EDGAR COUNTY
GUARDRAIL IMPROVEMENTS

PLAN - LOCATIONS NO. 12 & 13

ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	16-00132-00-SP	EDGAR	56	14
CONTRACT NO. 91591				
ILLINOIS FED. AID PROJECT				

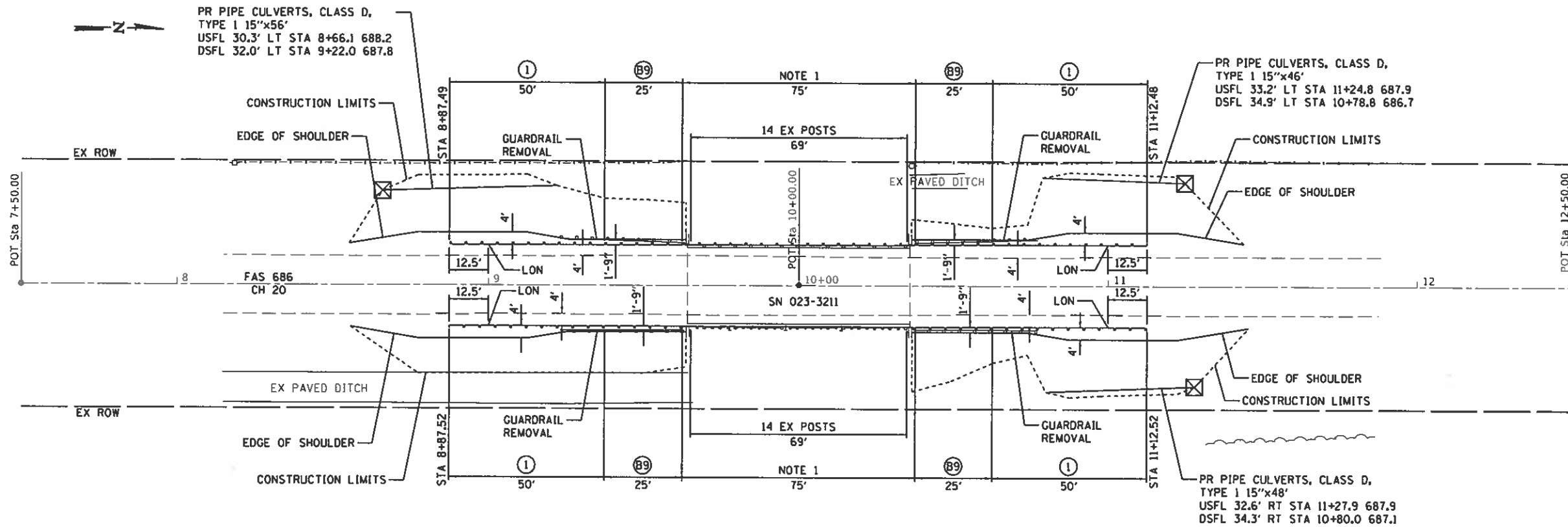


JOB # 2580
FILE NAME = 2580-atr-plan12_13.dgn
PLOT SCALE = 40,000' = 1" = 1/4"
PLOT DATE = 11/27/2019

DESIGNED - CGF
DRAWN - SJS
CHECKED - NAK
DATE - 8/27/2019

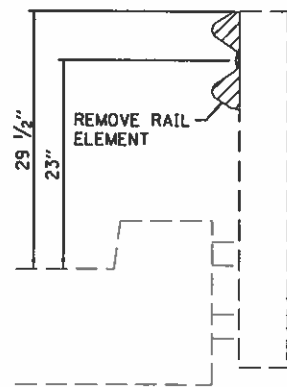
REVISED -
REVISED -
REVISED -
REVISED -

SCALE: SHEET OF SHEETS STA. TO STA.

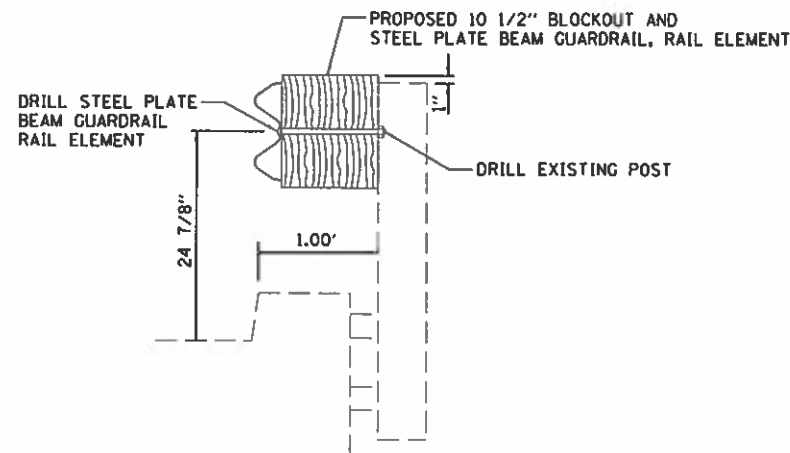


CH 20			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	7+50.00	1066139.10	1121123.39
POT	10+00.00	1066389.01	1121116.70
POT	12+50.00	1066638.92	1121110.01

LEGEND	
①	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
Ⓑ	STEEL PLATE BEAM GUARDRAIL, TYPE B, 9 FOOT POSTS
LON	LENGTH OF NEED POINT
⊗	INLET AND PIPE PROTECTION



GUARDRAIL REMOVAL SPECIAL



STEEL PLATE BEAM GUARDRAIL, TYPE A (SPECIAL)

NOTE 1
 EXISTING BRIDGE RAIL ELEMENTS SHALL BE REMOVED AND THE EXISTING POSTS MODIFIED AS DETAILED. NEW 10 1/2" BLOCKOUT, AND STEEL PLATE BEAM GUARDRAIL ELEMENTS SHALL BE INSTALLED ON THE EXISTING POSTS.

CH 20 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. 14
 MAJOR COLLECTOR
 ADT 250 (2014)
 DESIGN SPEED 40 MPH

MODIFIED: D:\dwg\...
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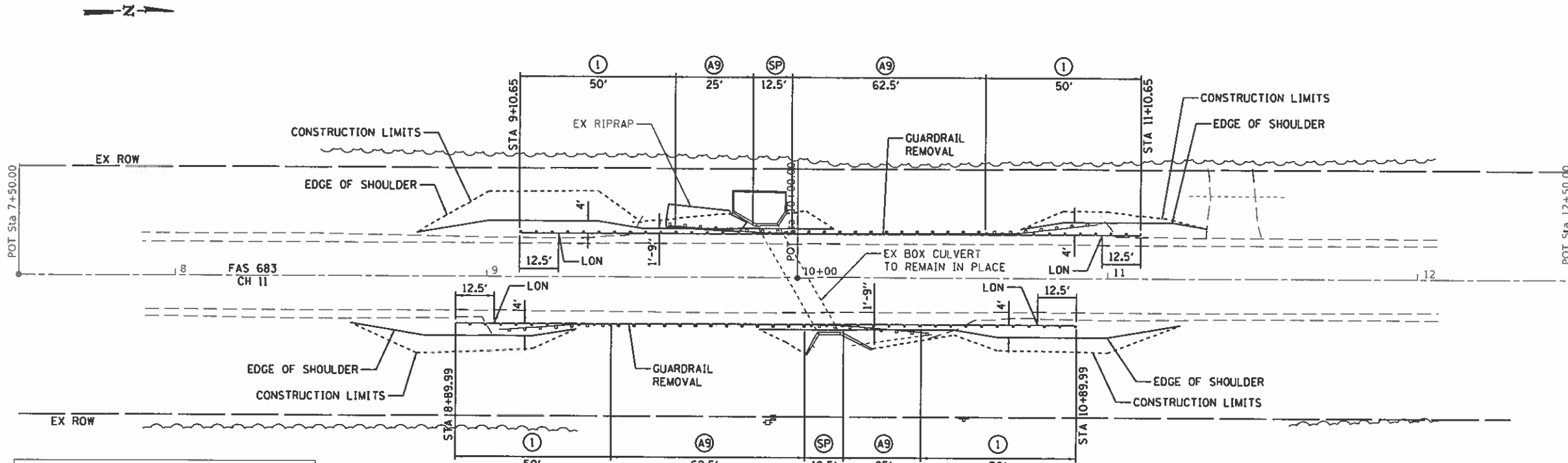
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FILE NAME	2500-ani-olan14.dgn
PLOT SCALE	40,000' = 1" = 1600'
PLOT DATE	11/27/2019

DESIGNED	- CGF	REVISED	-
DRAWN	- SJS	REVISED	-
CHECKED	- NAK	REVISED	-
DATE	- 8/27/2019	REVISED	-

**EDGAR COUNTY
 GUARDRAIL IMPROVEMENTS**

PLAN - LOCATION NO. 14

ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	16-00132-00-SP	EDGAR	56	15
CONTRACT NO. 91591			ILLINOIS FED. AID PROJECT	



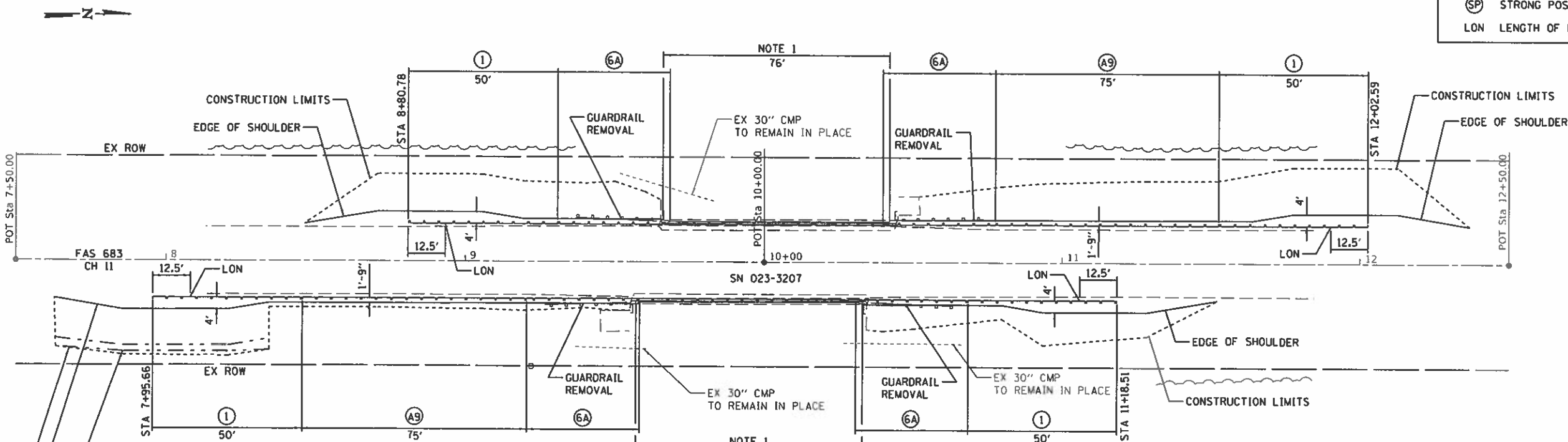
CH 11

CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	7+50.00	1099756.03	1119380.81
POT	10+00.00	1100006.03	1119379.83
POT	12+50.00	1100256.03	1119378.86

LOCATION NO. 19
 MAJOR COLLECTOR
 ADT 450 (2014)
 DESIGN SPEED 50 MPH

LEGEND

- ① TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
- ⑥A TRAFFIC BARRIER TERMINAL, TYPE 6A
- Ⓐ9 STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS
- ⓈP STRONG POST GUARDRAIL ATTACHED TO CULVERT
- LON LENGTH OF NEED POINT



CH 11

CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	7+50.00	1088884.00	1119424.43
POT	10+00.00	1089134.00	1119423.40
POT	12+50.00	1089383.99	1119422.37

NOTE 1
 INSTALL MODIFIED STEEL RAILING TYPE, TYPE 2399. THE STEEL RAILING SHALL BE ATTACHED TO THE EXISTING CONCRETE CURB. SEE DETAIL SHEET X.
 CH 11 SHALL BE CLOSED FOR PLACEMENT OF STEEL RAILING, TYPE 2399. THE MAXIMUM CLOSURE TIME SHALL BE 3 CALENDAR DAYS.

LOCATION NO. 18
 MAJOR COLLECTOR
 ADT 450 (2014)
 DESIGN SPEED 50 MPH

EDGAR COUNTY
 GUARDRAIL IMPROVEMENTS

PLAN - LOCATIONS NO. 18 & 19



JOB # 2580
 FILE NAME = 2580-ht-plan18_19.dgn
 PLOT SCALE = 40,000' = 1"
 PLOT DATE = 11/27/2019

DESIGNED - CGF
 DRAWN - SJS
 CHECKED - NAK
 DATE - 8/27/2019

REVISED -
 REVISED -
 REVISED -
 REVISED -

ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	16-00132-00-SP	EDGAR	56	16
CONTRACT NO. 91591				

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
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ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	16-00132-00-SP	EDGAR	56	16
CONTRACT NO. 91591				

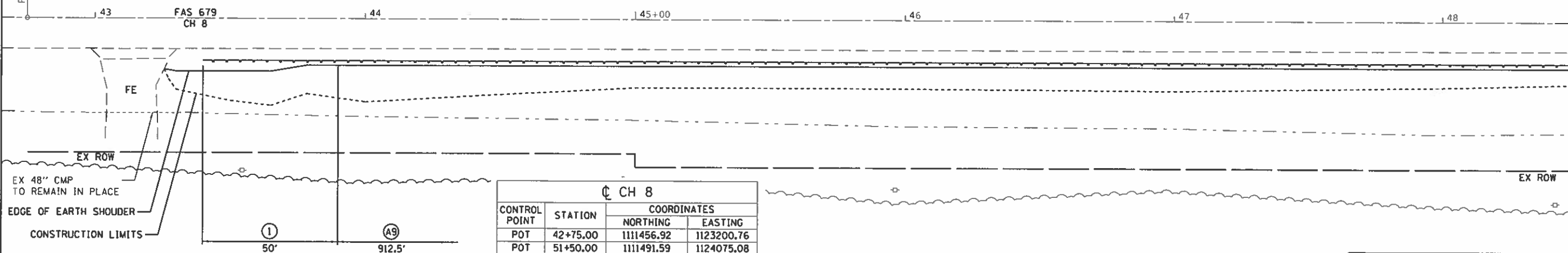
MODEL: Default
 PLOT NAME: 2580-ht-plan18_19.dgn



EX ROW

POT Sta 42+75.00

MATCH LINE STA 48+50.00



SEC 34, T15N, R13W, 2ND PM

SEC 27, T15N, R13W, 2ND PM

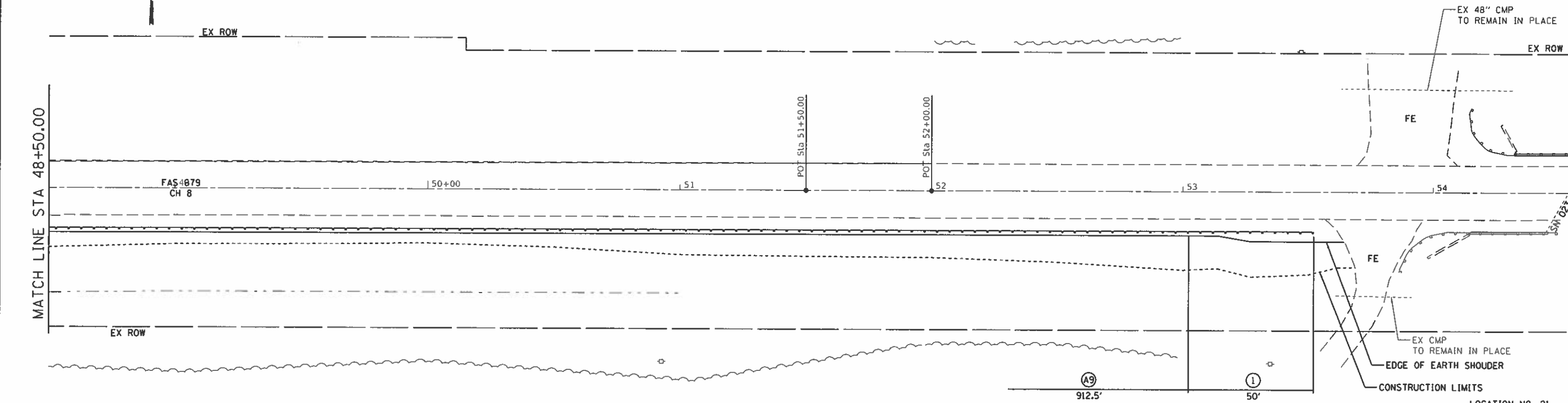
LEGEND	
①	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
Ⓐ9	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS



EX ROW

EX ROW

MATCH LINE STA 48+50.00



SEC 34, T15N, R13W, 2ND PM

LOCATION NO. 21
MAJOR COLLECTOR
ADT 275 (2014)
DESIGN SPEED 40 MPH



JOB = 2580
FILE NAME = 2580-sh-plan21_22.dgn
PLOT SCALE = 40,000' / in.
PLOT DATE = 11/27/2019

DESIGNED - CGF
DRAWN - SJS
CHECKED - NAK
DATE - 8/27/2019

REVISED -
REVISED -
REVISED -
REVISED -

EDGAR COUNTY
GUARDRAIL IMPROVEMENTS

PLAN - LOCATION NO. 21

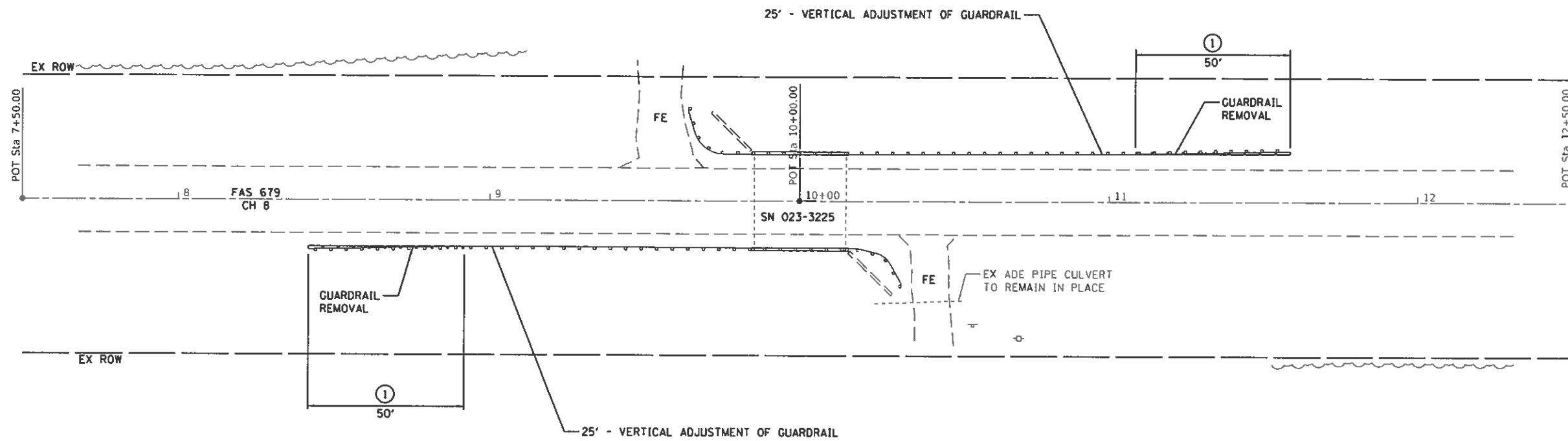
SCALE: SHEET OF SHEETS STA. TO STA.

ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	16-00132-00-SP	EDGAR	56	17

CONTRACT NO. 91591

ILLINOIS FED. AID PROJECT

SEC 26, T15N, R13W, 2ND PM



SEC 25, T15N, R13W, 2ND PM

CH 8			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	7+50.00	1111665.52	1128761.53
POT	10+00.00	1111674.30	1129011.37
POT	12+50.00	1111683.09	1129261.22

LEGEND

- ① TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

LOCATION NO. 22
 MAJOR COLLECTOR
 ADT 275 (2014)
 DESIGN SPEED 40 MPH

MODEL: Default
 FILE NAME: 2580-sho-plan21_22.dgn



JOB = 2580
 FILE NAME = 2580-sho-plan21_22.dgn
 PLOT SCALE = 40.0000" = 1'
 PLOT DATE = 11/27/2019

DESIGNED - CGF
 DRAWN - SJS
 CHECKED - NAK
 DATE - 8/27/2019

REVISED -
 REVISED -
 REVISED -
 REVISED -

EDGAR COUNTY
 GUARDRAIL IMPROVEMENTS

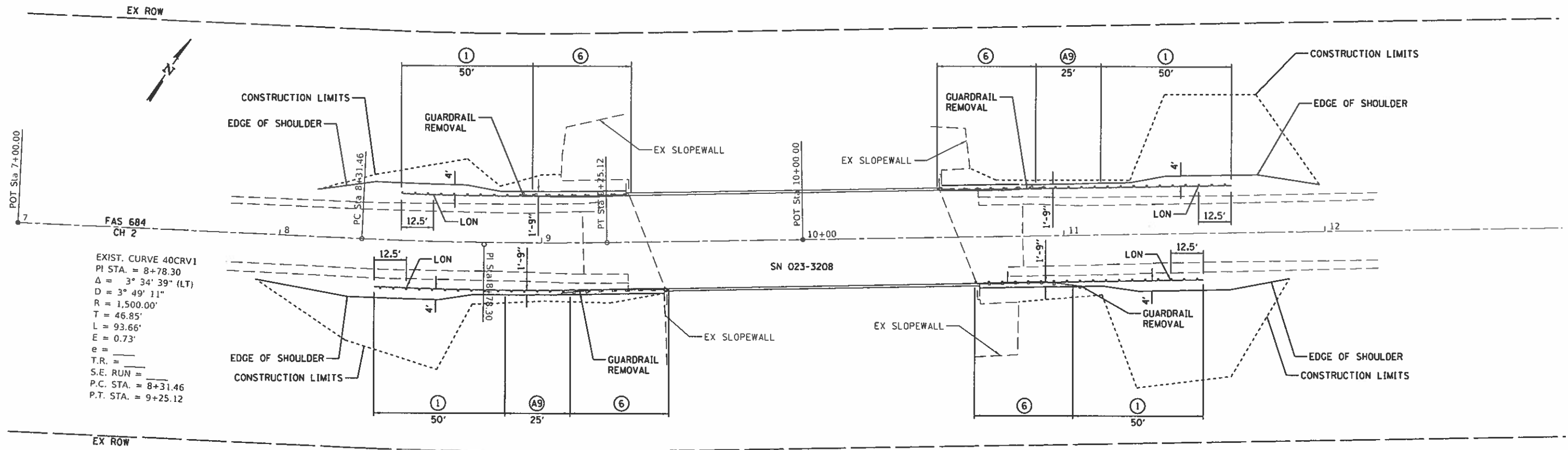
PLAN - LOCATION NO. 22

SCALE: SHEET OF SHEETS STA. TO STA.

ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	16-00132-00-SP	EDGAR	56	18

CONTRACT NO. 91591

ILLINOIS FED. AID PROJECT



EXIST. CURVE 40CRV1
 PI STA. = 8+78.30
 $\Delta = 3^\circ 34' 39''$ (LT)
 $D = 3^\circ 49' 11''$
 $R = 1,500.00'$
 $T = 46.85'$
 $L = 93.66'$
 $E = 0.73'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 8+31.46$
 $P.T. STA. = 9+25.12$

CH 2			
CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	7+00.00	1075581.37	1172260.83
PC	8+31.46	1075653.71	1172370.59
PI	8+78.30	1075679.49	1172409.70
PT	9+25.12	1075707.66	1172447.13
POT	10+00.00	1075752.69	1172506.96
POT	13+00.00	1075933.10	1172746.66

- LEGEND**
- ① TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
 - ⑩ TRAFFIC BARRIER TERMINAL, TYPE 10
 - A9 STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS
 - B9 STEEL PLATE BEAM GUARDRAIL, TYPE B, 9 FOOT POSTS
 - ⑥ TRAFFIC BARRIER TERMINAL, TYPE 6
 - LON LENGTH OF NEED POINT

LOCATION NO. 40
 MAJOR COLLECTOR
 ADT 1900 (2017)
 DESIGN SPEED 50 MPH

MODEL: Default
 FILE NAME: 2580-sh-Plan40.dgn



JOB # 2580
 FILE NAME = 2580-sh-Plan40.dgn
 PLOT SCALE = 40,0000' / in.
 PLOT DATE = 11/27/2019

DESIGNED - CGF
 DRAWN - SJS
 CHECKED - NAK
 DATE - 8/27/2019

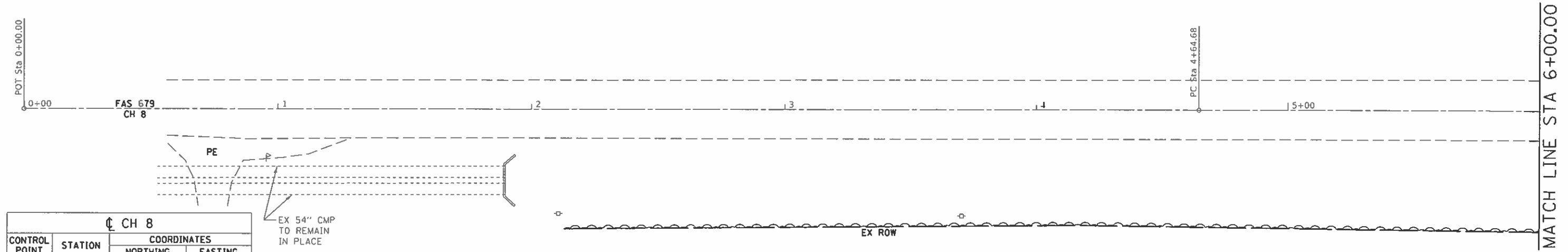
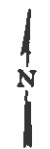
REVISED -
 REVISED -
 REVISED -
 REVISED -

**EDGAR COUNTY
 GUARDRAIL IMPROVEMENTS**

PLAN - LOCATION NO. 40

SCALE: SHEET OF SHEETS STA. TO STA.

ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	16-00132-00-SP	EDGAR	56	19
CONTRACT NO. 91591			ILLINOIS FED. AID PROJECT	

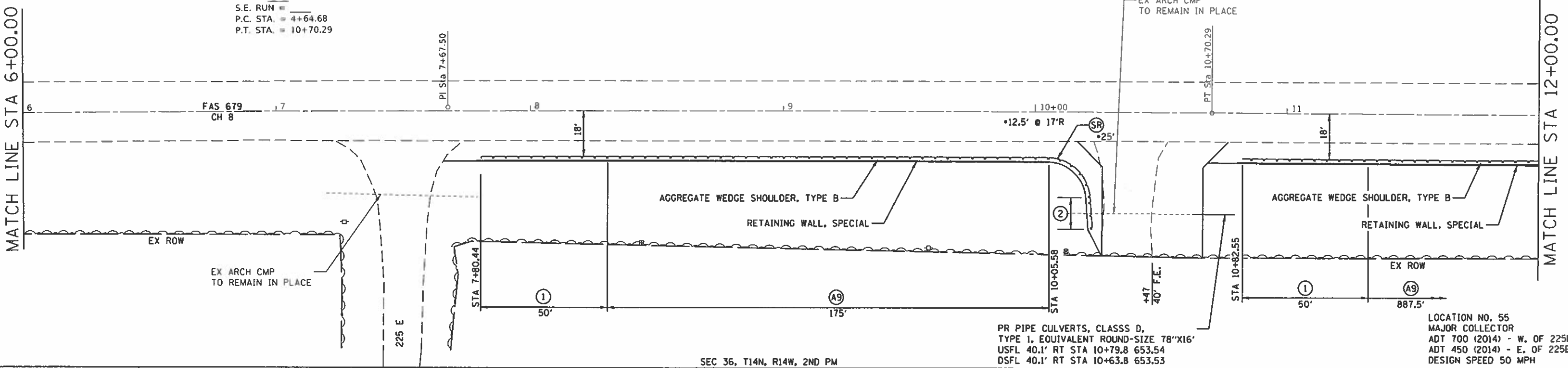


CH 8			
CONTROL POINT	STATION	NORTHING	EASTING
POT	0+00.00	1110511.34	1098657.31
PC	4+64.68	1110527.76	1099121.70
PI	7+67.50	1110538.46	1099424.33
PT	10+70.29	1110543.20	1099727.10
PC	39+96.03	1110588.91	1102652.49
PI	44+06.93	1110595.33	1103063.34
PT	48+17.68	1110620.87	1103473.44
POT	51+28.30	1110640.18	1103783.46

EX 54" CMP TO REMAIN IN PLACE

LEGEND	
①	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT
②	TRAFFIC BARRIER TERMINAL, TYPE 2
A9	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS
SR	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)

EXIST. CURVE 55CRV1
 PI STA. = 7+67.50
 $\Delta = 1^{\circ} 07' 48''$ (RT)
 $D = 0^{\circ} 11' 12''$
 $R = 30,710.00'$
 $T = 302.81'$
 $L = 605.61'$
 $E = 1.49'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 4+64.68$
 $P.T. STA. = 10+70.29$



PR PIPE CULVERTS, CLASS D,
 TYPE 1, EQUIVALENT ROUND-SIZE 78"X16"
 USFL 40.1' RT STA 10+79.8 653.54
 DSFL 40.1' RT STA 10+63.8 653.53

LOCATION NO. 55
 MAJOR COLLECTOR
 ADT 700 (2014) - W. OF 225E
 ADT 450 (2014) - E. OF 225E
 DESIGN SPEED 50 MPH

EDGAR COUNTY
 GUARDRAIL IMPROVEMENTS

PLAN - LOCATION NO. 55



JOB #	2550
FILE NAME	2550-hm-plan55.dgn
PLOT SCALE	40,0000' = 1" =
PLOT DATE	11/27/2019

DESIGNED	NAK	REVISED	-
DRAWN	SJS	REVISED	-
CHECKED	NAK	REVISED	-
DATE	8/29/2019	REVISED	-

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	16-00132-00-SP	EDGAR	56	20
CONTRACT NO. 91591			ILLINOIS FED. AID PROJECT	

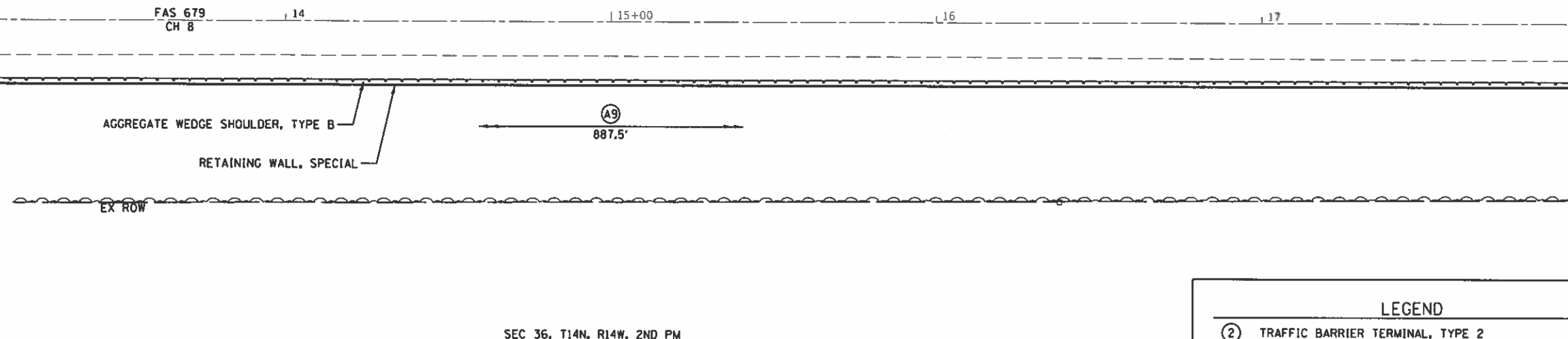
MODIFIED: Default
 FILE NAME: 2550-hm-plan55.dgn



MATCH LINE STA 12+00.00

MATCH LINE STA 18+00.00

CH 8			
CONTROL POINT	STATION	NORTHING	EASTING
POT	0+00.00	1110511.34	1098657.31
PC	4+64.68	1110527.76	1099121.70
PI	7+67.50	1110538.46	1099424.33
PT	10+70.29	1110543.20	1099727.10
PC	39+96.03	1110588.91	1102652.49
PI	44+06.93	1110595.33	1103063.34
PT	48+17.68	1110620.87	1103473.44
POT	51+28.30	1110640.18	1103783.46

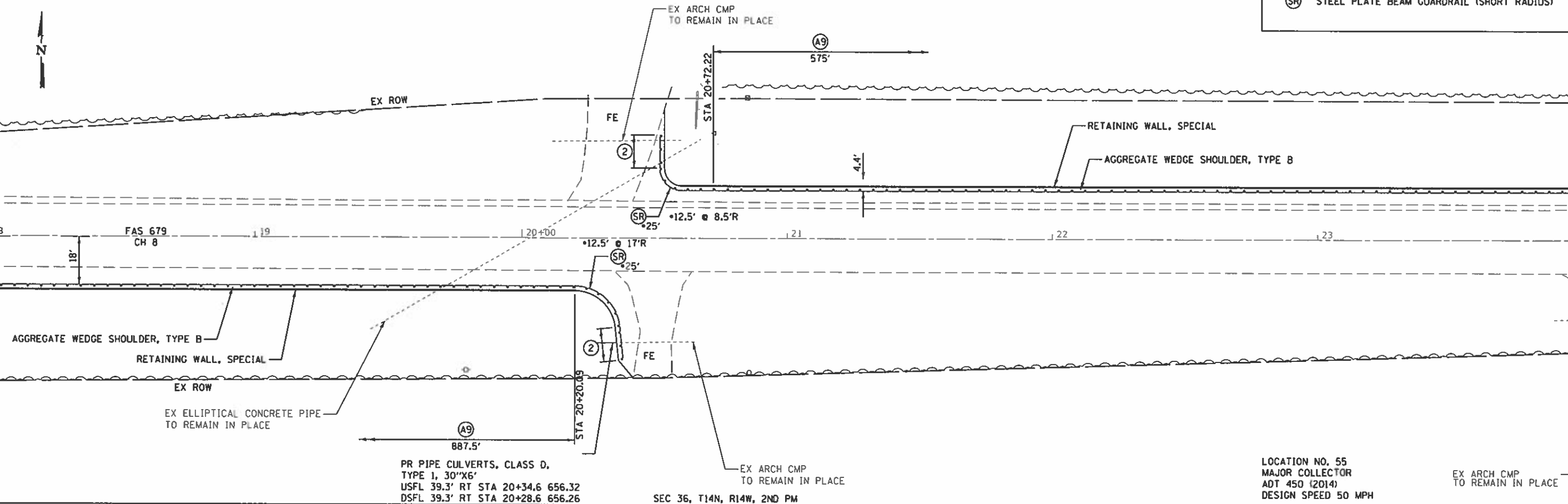


LEGEND	
(2)	TRAFFIC BARRIER TERMINAL, TYPE 2
(A9)	STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS
(SR)	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)



MATCH LINE STA 18+00.00

MATCH LINE STA 24+00.00



PR PIPE CULVERTS, CLASS D,
TYPE 1, 30"X6'
USFL 39.3' RT STA 20+34.6 656.32
DSFL 39.3' RT STA 20+28.6 656.26

LOCATION NO. 55
MAJOR COLLECTOR
ADT 450 (2014)
DESIGN SPEED 50 MPH

EX ARCH CMP
TO REMAIN IN PLACE

MOORE: Default
FILE NAME: 2580-plan55.dgn



JOB #	2580
FILE NAME	2580-plan55.dgn
PLOT SCALE	40,000' = 1" (1/4")
PLOT DATE	11/27/2019

DESIGNED	NAK	REVISED	-
DRAWN	SJS	REVISED	-
CHECKED	NAK	REVISED	-
DATE	8/29/2019	REVISED	-

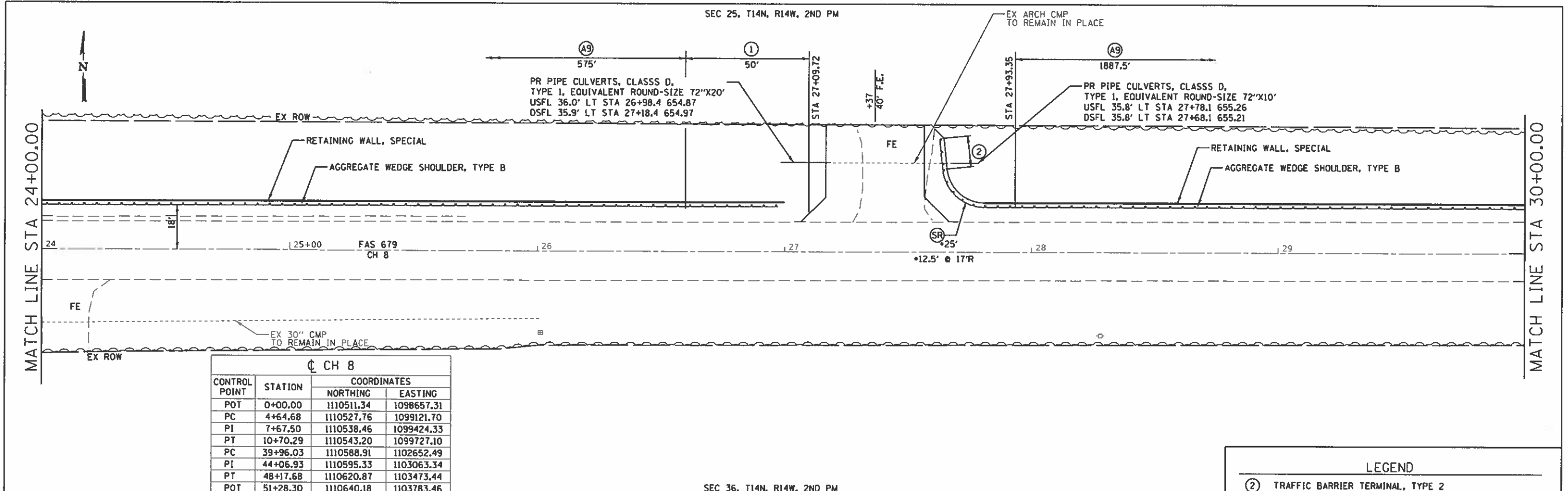
**EDGAR COUNTY
GUARDRAIL IMPROVEMENTS**

PLAN - LOCATION NO. 55

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	16-00132-00-SP	EDGAR	56	21
CONTRACT NO. 91591				

ILLINOIS FED. AID PROJECT

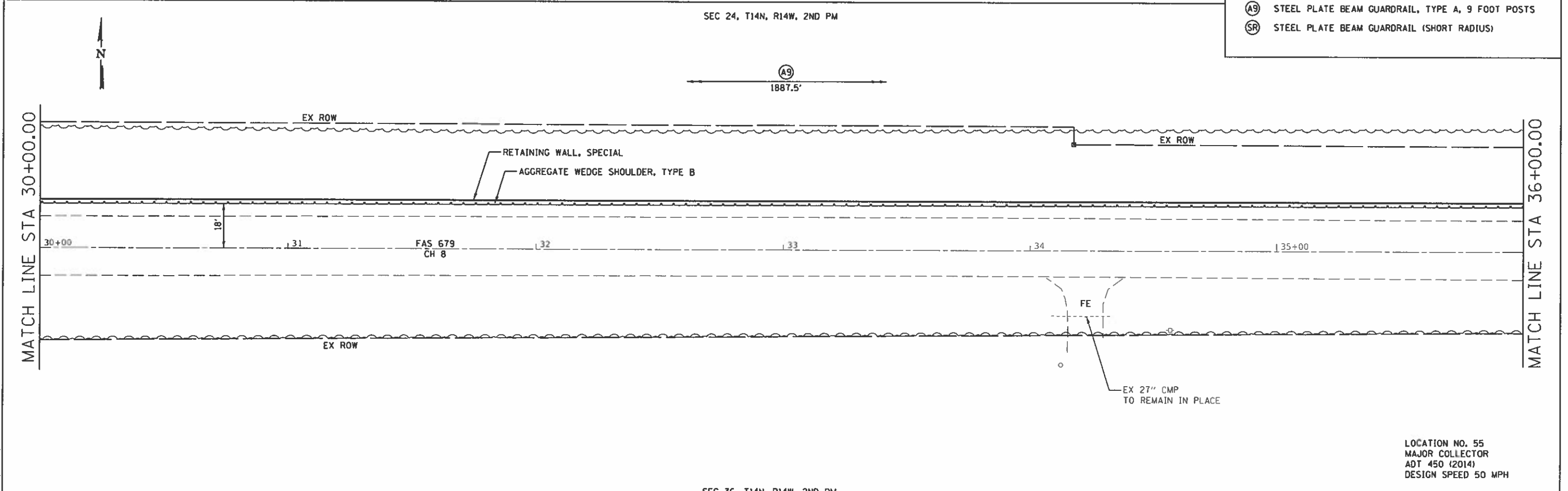


CH 8

CONTROL POINT	STATION	COORDINATES	
		NORTHING	EASTING
POT	0+00.00	1110511.34	1098657.31
PC	4+64.68	1110527.76	1099121.70
PI	7+67.50	1110538.46	1099424.33
PT	10+70.29	1110543.20	1099727.10
PC	39+96.03	1110588.91	1102652.49
PI	44+06.93	1110595.33	1103063.34
PT	48+17.68	1110620.87	1103473.44
POT	51+28.30	1110640.18	1103783.46

LEGEND

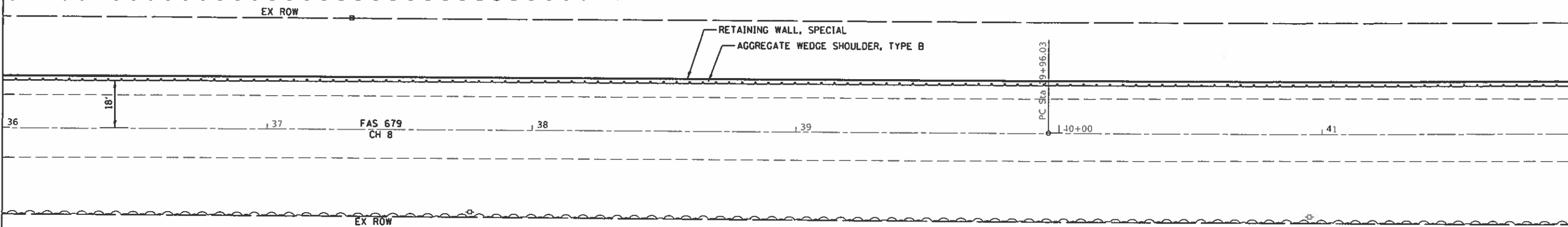
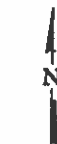
- (2) TRAFFIC BARRIER TERMINAL, TYPE 2
- (A9) STEEL PLATE BEAM GUARDRAIL, TYPE A, 9 FOOT POSTS
- (SR) STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)



LOCATION NO. 55
 MAJOR COLLECTOR
 ADT 450 (2014)
 DESIGN SPEED 50 MPH

MATCH LINE STA 36+00.00

MATCH LINE STA 42+00.00

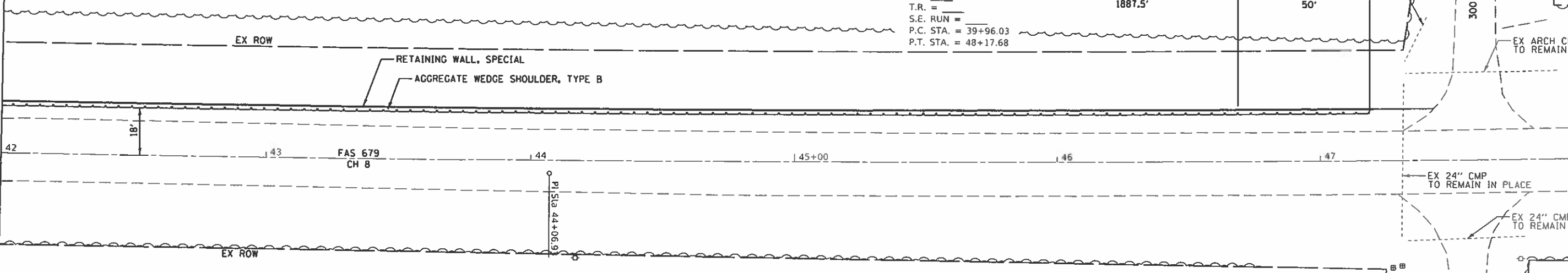


CH 8			
CONTROL POINT	STATION	NORTHING	EASTING
POT	0+00.00	1110511.34	1098657.31
PC	4+64.68	1110527.76	1099121.70
PI	7+67.50	1110538.46	1099424.33
PT	10+70.29	1110543.20	1099727.10
PC	39+96.03	1110588.91	1102652.49
PI	44+06.93	1110595.33	1103063.34
PT	48+17.68	1110620.87	1103473.44
POT	51+28.30	1110640.18	1103783.46

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

EXIST. CURVE 55CRV2
 PI STA. = 44+06.93
 $\Delta = 2^\circ 40' 06''$ (LT)
 $D = 0^\circ 19' 29''$
 $R = 17,643.00'$
 $T = 410.90'$
 $L = 821.65'$
 $E = 4.78'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 39+96.03$
 $P.T. STA. = 48+17.68$

MATCH LINE STA 42+00.00



LOCATION NO. 55
 MAJOR COLLECTOR
 ADT 450 (2014)
 DESIGN SPEED 50 MPH

EDGAR COUNTY
 GUARDRAIL IMPROVEMENTS

PLAN - LOCATION NO. 55



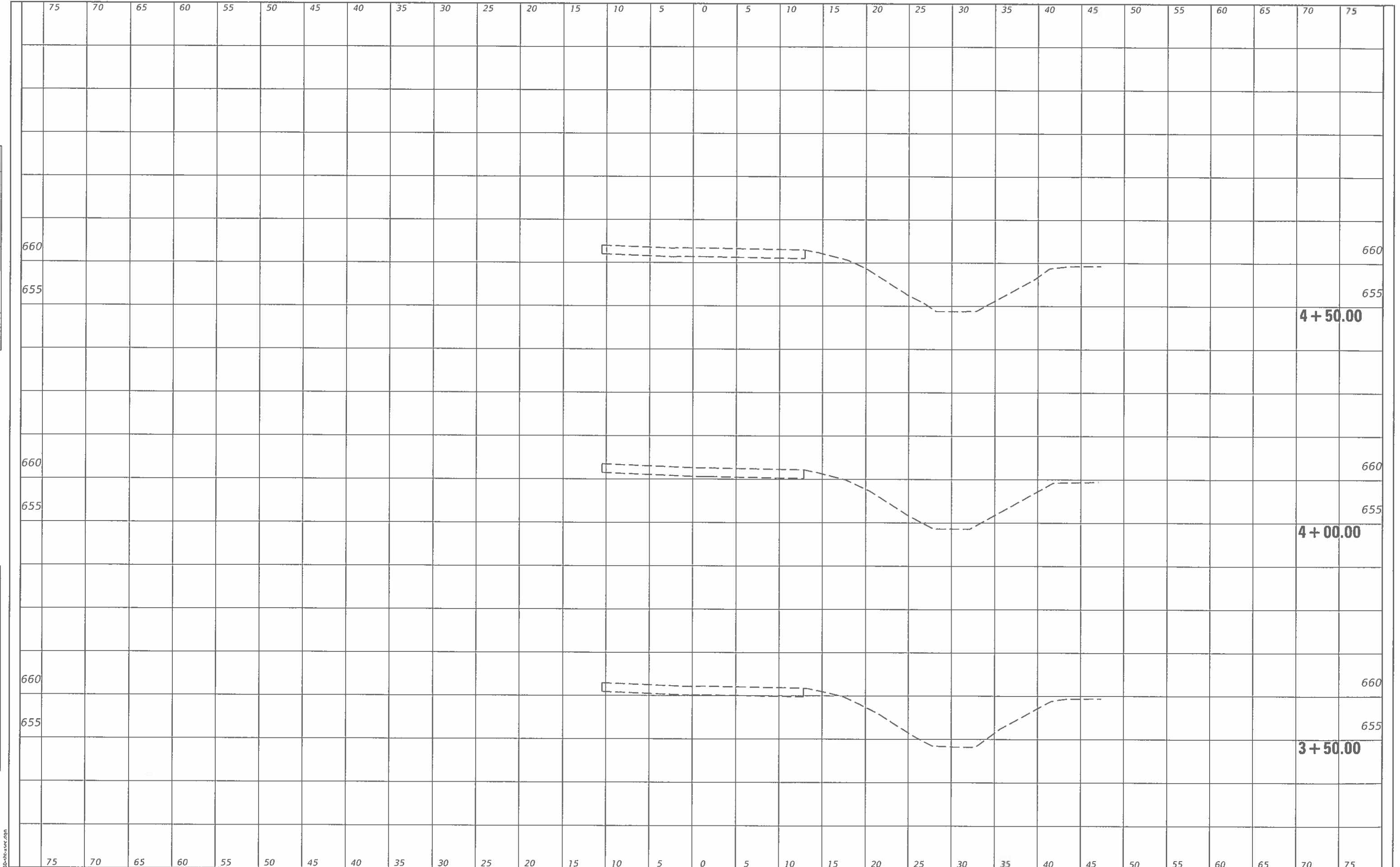
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PLOT DATE = 11/27/2019	DATE - 8/29/2019	REVISED -

SCALE:	SHEET	OF	SHEETS	STA.	TO STA.
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ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	16-00132-00-SP	EDGAR	56	23
CONTRACT NO. 91591				

DATE	
SURVEY	
NOTE BOOK	
AREAS CHECKED	

DATE	
SURVEY	
NOTE BOOK	
AREAS CHECKED	



MODIFIED: D:\AUT
 FILE NAME: 2580-16-00-SP.dgn

CEC Cummins Engineering Corporation
 Civil and Structural Engineering

JOB = 2580
 FILE NAME = 2580-16-00-SP.dgn
 PLOT SCALE = 10,0000' / 1 in.
 PLOT DATE = 11/27/2019

DESIGNED -	CGF	REVISED -	
DRAWN -	BEB	REVISED -	
CHECKED -	NAK	REVISED -	
DATE -	9/2/2019	REVISED -	

**EDGAR COUNTY
GUARDRAIL IMPROVEMENTS**

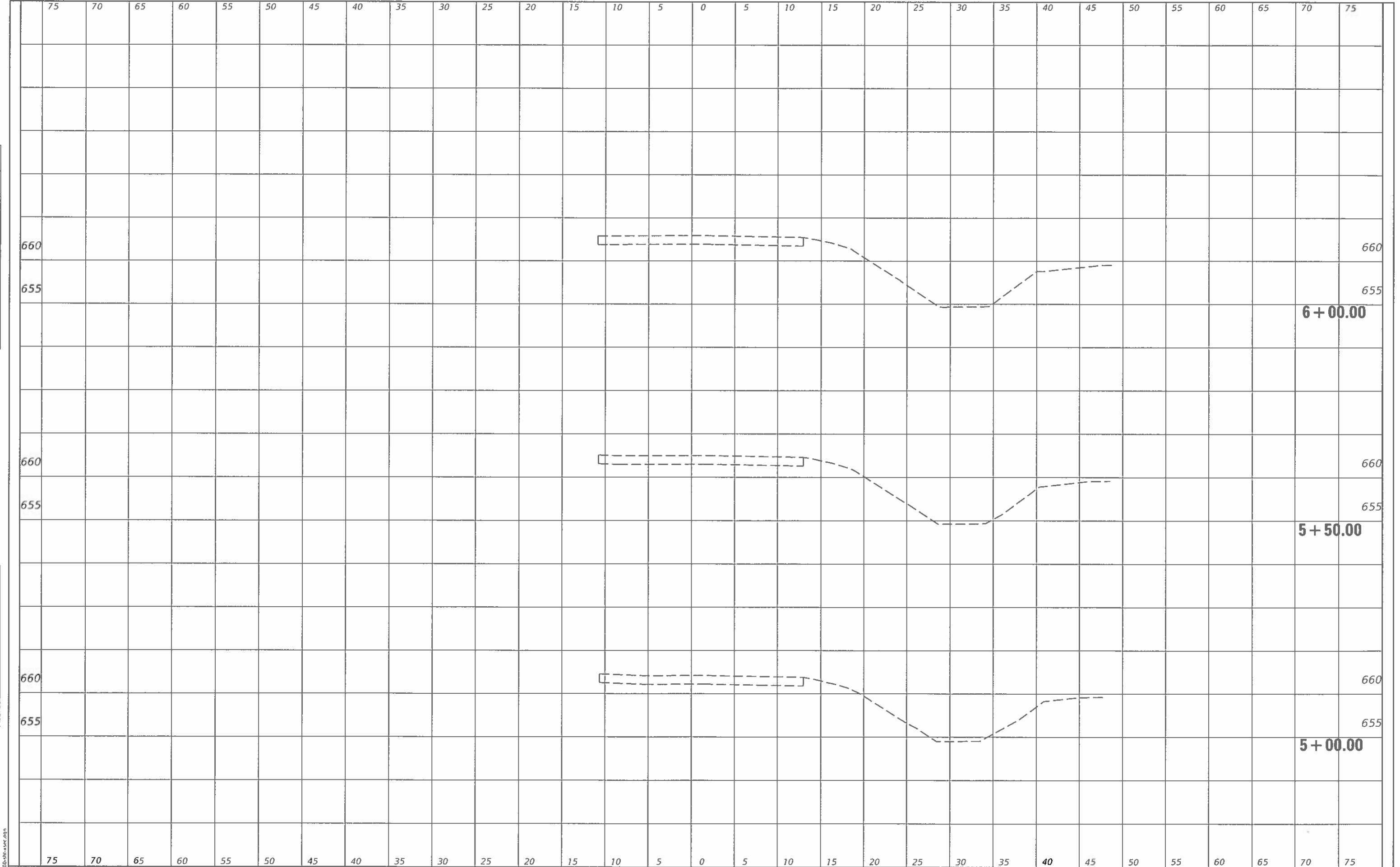
PLAN LOCATION NO. 55

SCALE: SHEET OF SHEETS STA. 3+50.00 TO STA. 4+50.00

ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	16-00132-00-SP	EDGAR	56	25
CONTRACT NO. 91591			ILLINOIS FED. AID PROJECT	

DATE	
SURVEY	
NOTE BOOK	
NO.	
AREAS CHECKED	

DATE	
SURVEY	
NOTE BOOK	
NO.	
AREAS CHECKED	



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CEC Cummins
Engineering
Corporation
Civil and Structural Engineering

JOB = 2580
FILE NAME = 2580-shi-sec.dgn
PLOT SCALE = 10,0000 * 1 in.
PLOT DATE = 11/27/2019

DESIGNED - CGF
DRAWN - BEB
CHECKED - NAK
DATE - 9/2/2019

REVISED -
REVISED -
REVISED -
REVISED -

**EDGAR COUNTY
GUARDRAIL IMPROVEMENTS**

PLAN LOCATION NO. 55

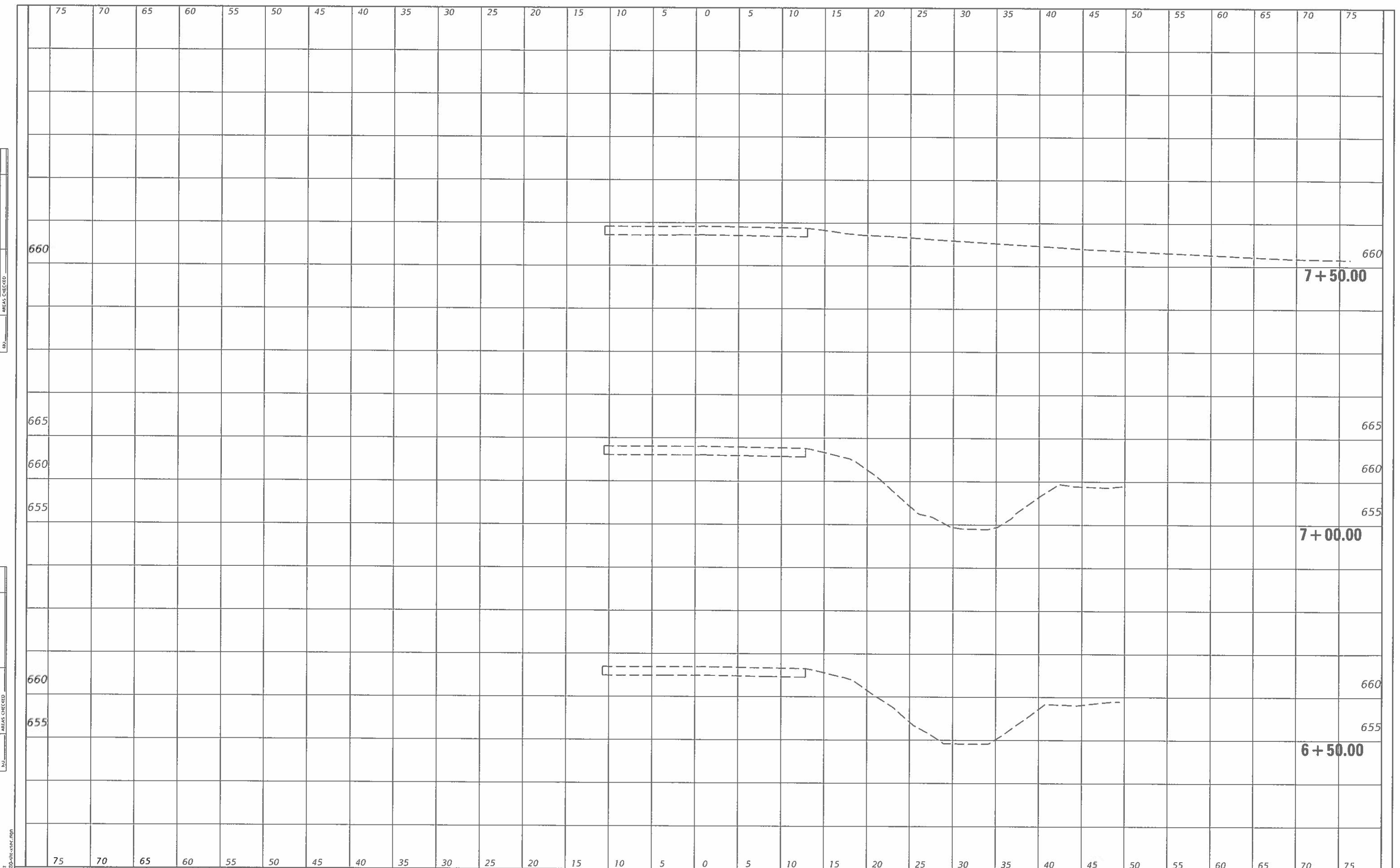
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ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	16-00132-00-SP	EDGAR	56	26
			CONTRACT NO. 91591	

ILLINOIS FED. AID PROJECT

SURVEY	NO.
NOTE BOOK	NO.
PLANT	NO.
AREAS CHECKED	

SURVEY	NO.
NOTE BOOK	NO.
PLANT	NO.
AREAS CHECKED	



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CEC Cummins
 Engineering
 Corporation
 Civil and Structural Engineering

JOB = 2580
FILE NAME = 2580-01c-sec.dgn
PLOT SCALE = 10,0000 * 1 in.
PLOT DATE = 11/27/2019

DESIGNED - CGF	REVISED -
DRAWN - BEB	REVISED -
CHECKED - NAK	REVISED -
DATE - 9/2/2019	REVISED -

**EDGAR COUNTY
 GUARDRAIL IMPROVEMENTS**

PLAN LOCATION NO. 55

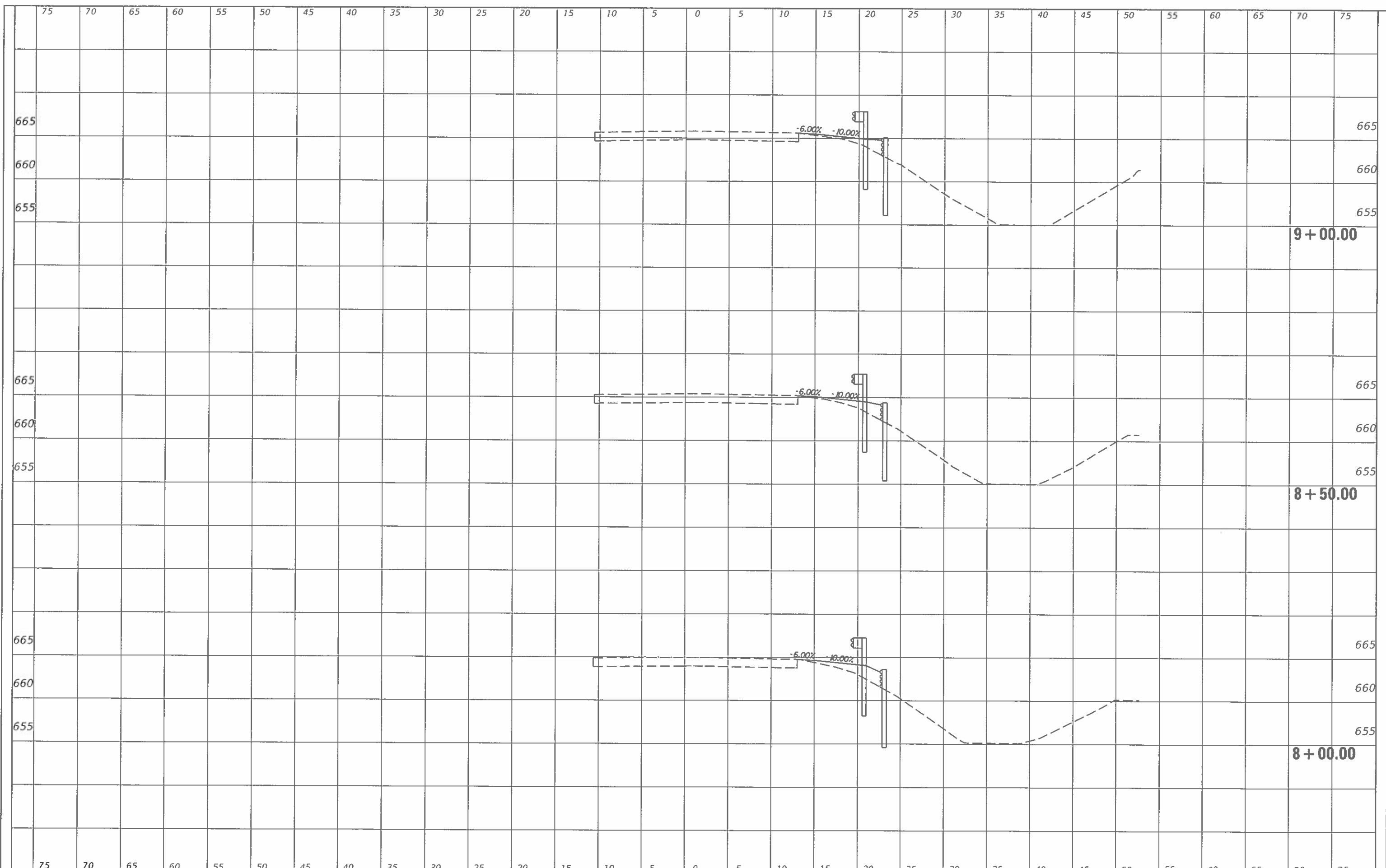
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ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	16-00132-00-5P	EDGAR	56	27
CONTRACT NO. 91591				
ILLINOIS FED. AID PROJECT				

DATE	
SURVEY	
NOTE BOOK	
NO.	

DATE	
SURVEY	
NOTE BOOK	
NO.	

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CEC Cummins Engineering Corporation
 Civil and Structural Engineering

JOB # 2580
 FILE NAME = 2580-nh-xsec.dgn
 PLOT SCALE = 10,0000 * 1 in.
 PLOT DATE = 11/27/2019

DESIGNED - CGF
 DRAWN - BEB
 CHECKED - NAK
 DATE - 9/2/2019

REVISED -
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**EDGAR COUNTY
 GUARDRAIL IMPROVEMENTS**

PLAN LOCATION NO. 55

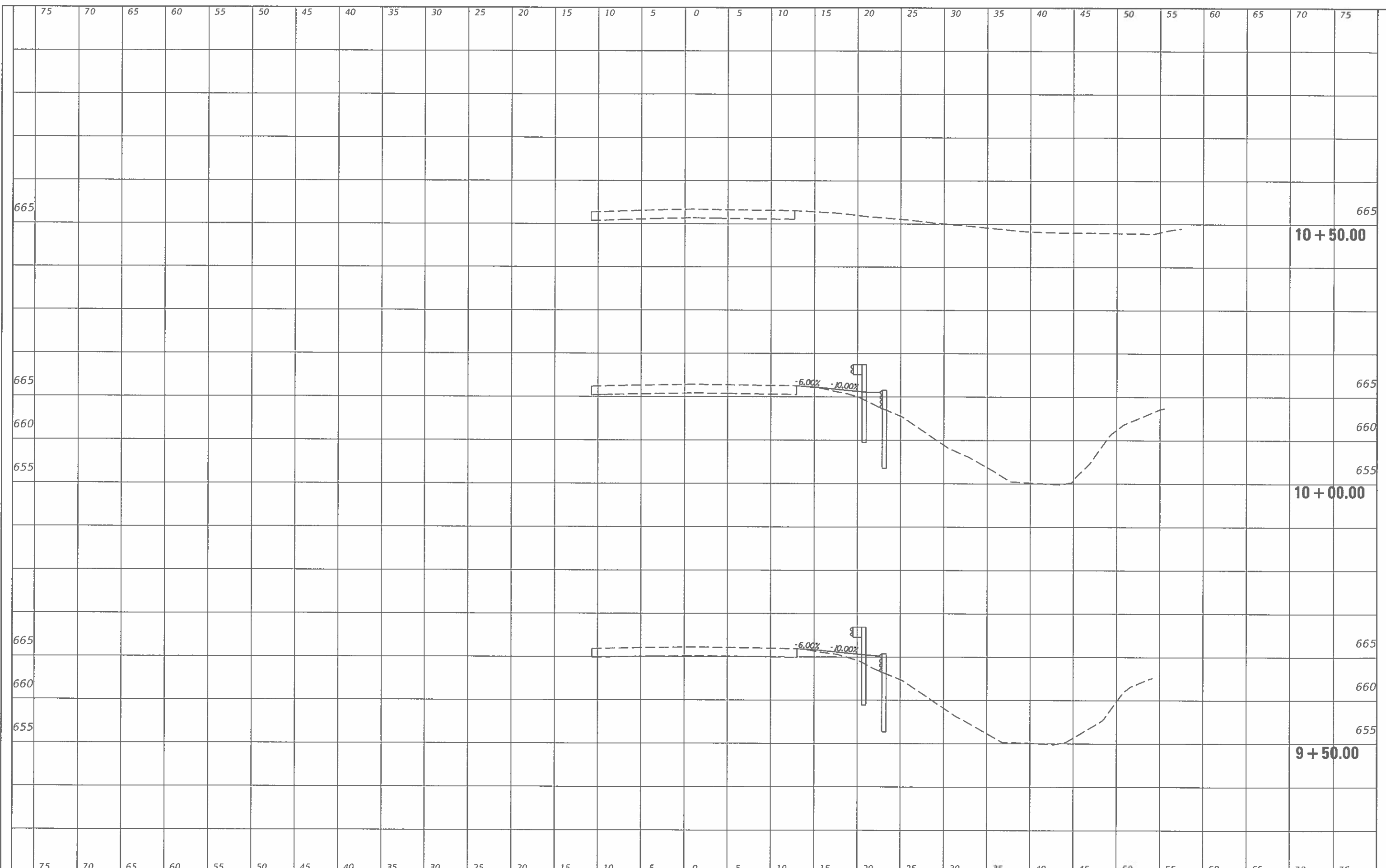
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ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	16-00132-00-SP	EDGAR	56	28
CONTRACT NO. 91591			ILLINOIS FED. AID PROJECT	

DATE	
SURVEY	
NOTE BOOK	
NO.	
AREAS CHECKED	

DATE	
SURVEY	
NOTE BOOK	
NO.	
AREAS CHECKED	

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CEC Cummins Engineering Corporation
 Civil and Structural Engineering

JOB = 2580
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 PLOT DATE = 11/27/2019

DESIGNED -	CGF	REVISED -	
DRAWN -	BEB	REVISED -	
CHECKED -	NAK	REVISED -	
DATE -	9/2/2019	REVISED -	

**EDGAR COUNTY
 GUARDRAIL IMPROVEMENTS**

PLAN LOCATION NO. 55

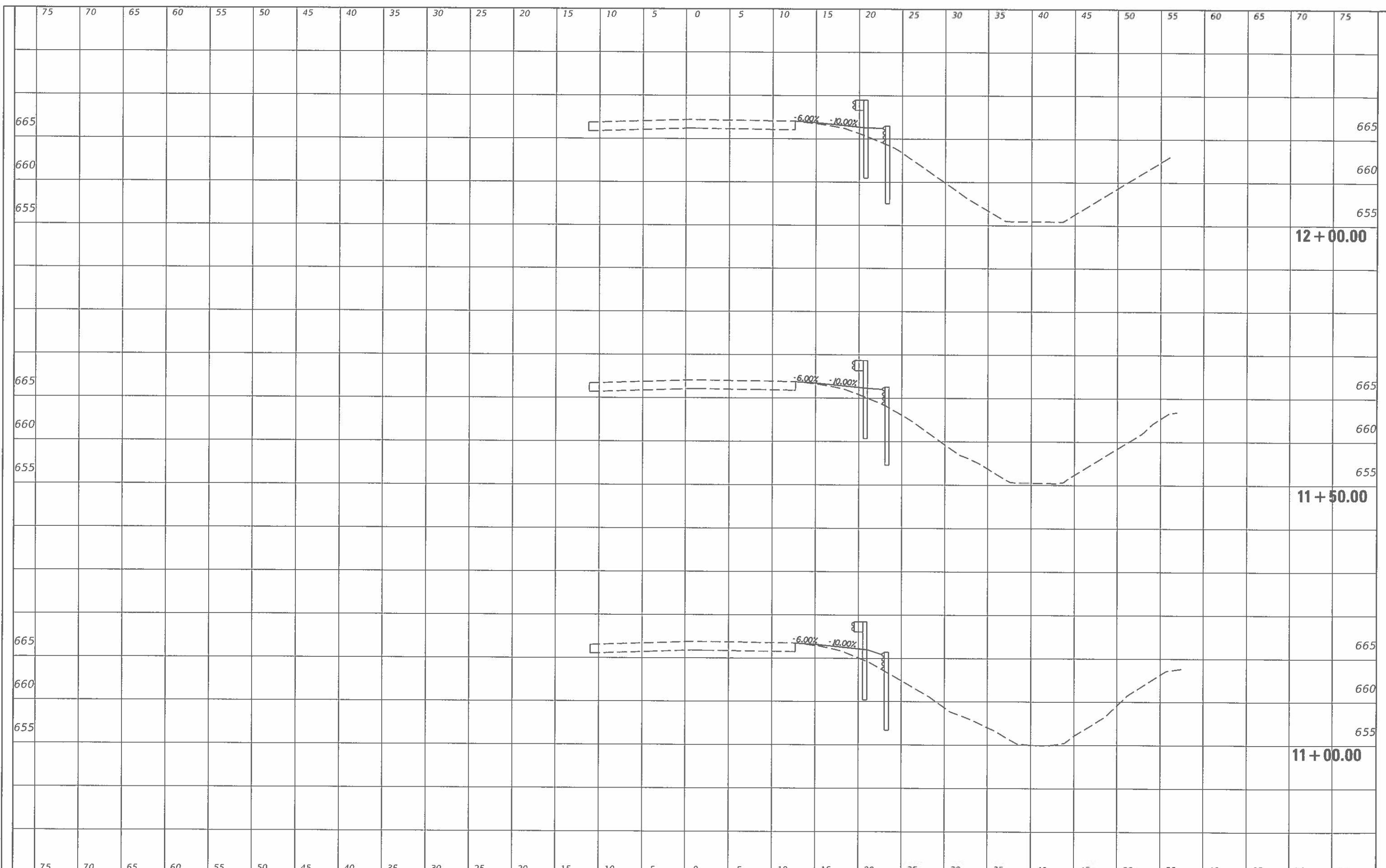
SCALE: SHEET OF SHEETS STA. 9+50.00 TO STA. 10+50.00

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	16-00132-00-SP	EDGAR	56	29
CONTRACT NO. 91591				
ILLINOIS FED. AID PROJECT				

DATE	
SURVEY	
NOTE BOOK	
NO.	
AREAS CHECKED	

DATE	
SURVEY	
NOTE BOOK	
NO.	
AREAS CHECKED	

MODEL: D:\AVIT
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CEC Cummins Engineering Corporation
 Civil and Structural Engineering

JOB = 2580
 FILE NAME = 2580-011-ssk.dgn
 PLOT SCALE = 10,0000' / in.
 PLOT DATE = 11/27/2019

DESIGNED -	CGF	REVISED -	
DRAWN -	BEB	REVISED -	
CHECKED -	NAK	REVISED -	
DATE -	9/2/2019	REVISED -	

**EDGAR COUNTY
 GUARDRAIL IMPROVEMENTS**

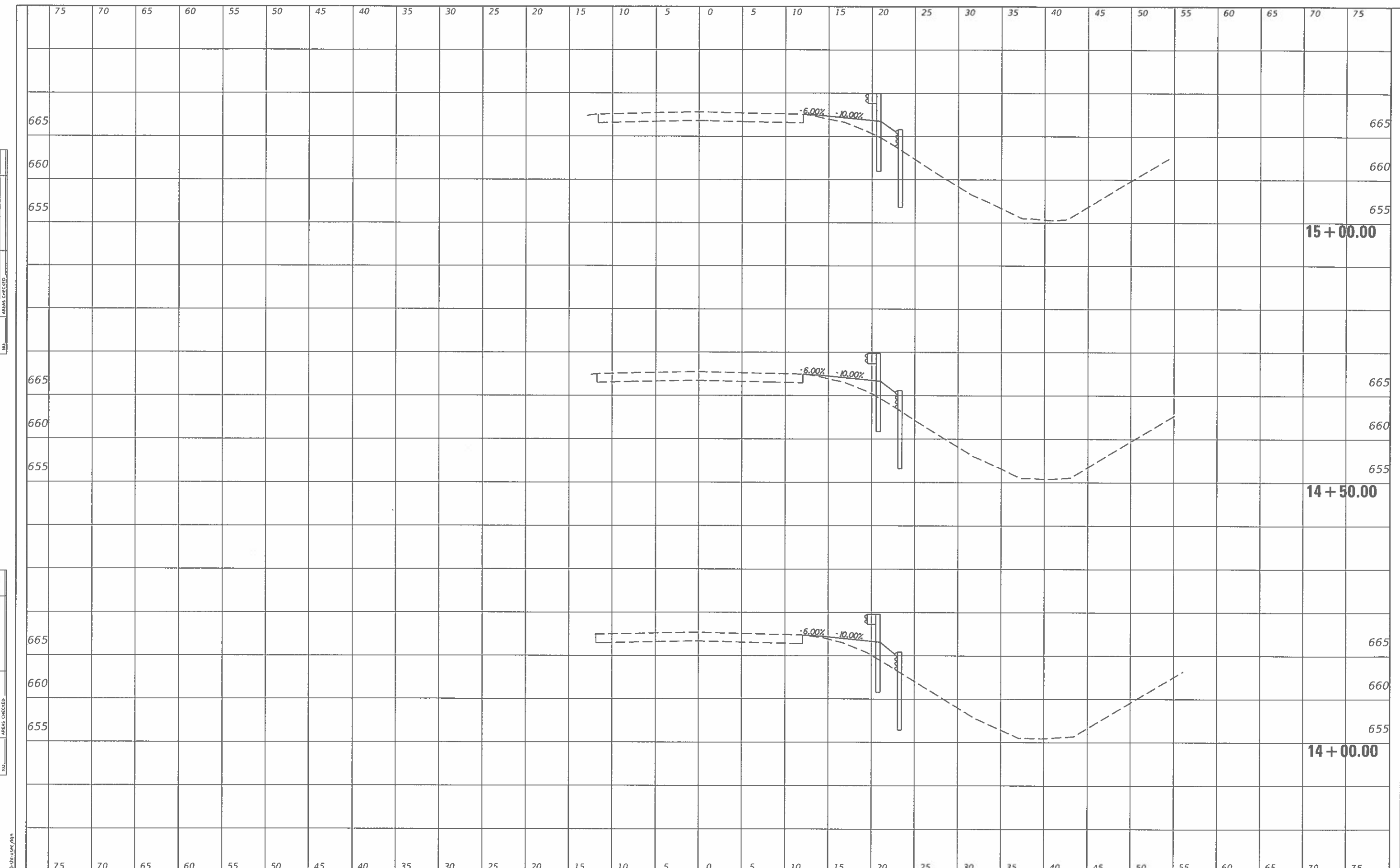
PLAN LOCATION NO. 55

SCALE: SHEET OF SHEETS STA. 11+00.00 TO STA. 12+00.00

ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	16-00132-00-SP	EDGAR	56	30
CONTRACT NO. 91591				
ILLINOIS FED. AID PROJECT				

SURVEYED	
NOTED	
PLANNED	
IMPROVED	
AREAS	
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NO.	

SURVEYED	
NOTED	
PLANNED	
IMPROVED	
AREAS	
CHECKED	
NO.	



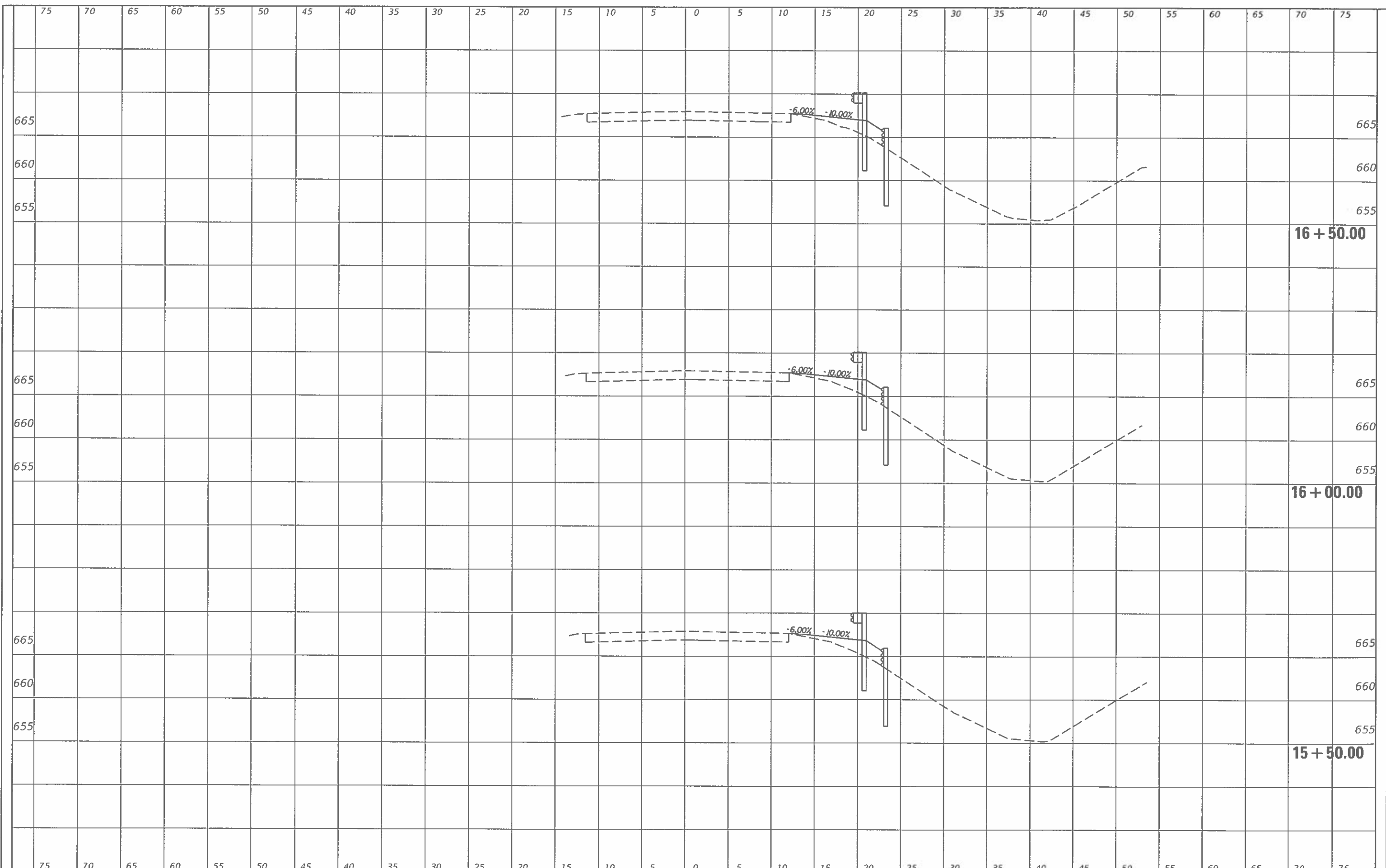
CEC Cummins Engineering Corporation Civil and Structural Engineering	JOB = 2580 FILE NAME = 2580-shi-vsec.dgn PLOT SCALE = 10,0000' / 1" PLOT DATE = 11/27/2019	DESIGNED - CGF DRAWN - BEB CHECKED - NAK DATE - 9/2/2019	REVISED - REVISED - REVISED - REVISED -	EDGAR COUNTY GUARDRAIL IMPROVEMENTS	PLAN LOCATION NO. 55	ROUTE VARIOUS SECTION 16-00132-00-5P COUNTY EDGAR CONTRACT NO. 91591	TOTAL SHEETS 56 SHEET NO. 32	ILLINOIS FED. AID PROJECT
	SCALE:		SHEET OF SHEETS			STA. 14+00.00 TO STA. 15+00.00		

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SURVEYED	
DESIGNED	
DRAWN	
CHECKED	
DATE	
SCALE	
AREA CHECKED	
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SURVEYED	
DESIGNED	
DRAWN	
CHECKED	
DATE	
SCALE	
AREA CHECKED	
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CEC Cummins Engineering Corporation
Civil and Structural Engineering

JOB = 2580
FILE NAME = 2580-shl-vsec.dgn
PLOT SCALE = 10.0000' / in.
PLOT DATE = 11/27/2019

DESIGNED - CGF
DRAWN - BEB
CHECKED - NAK
DATE - 9/2/2019

REVISED -
REVISED -
REVISED -
REVISED -

**EDGAR COUNTY
GUARDRAIL IMPROVEMENTS**

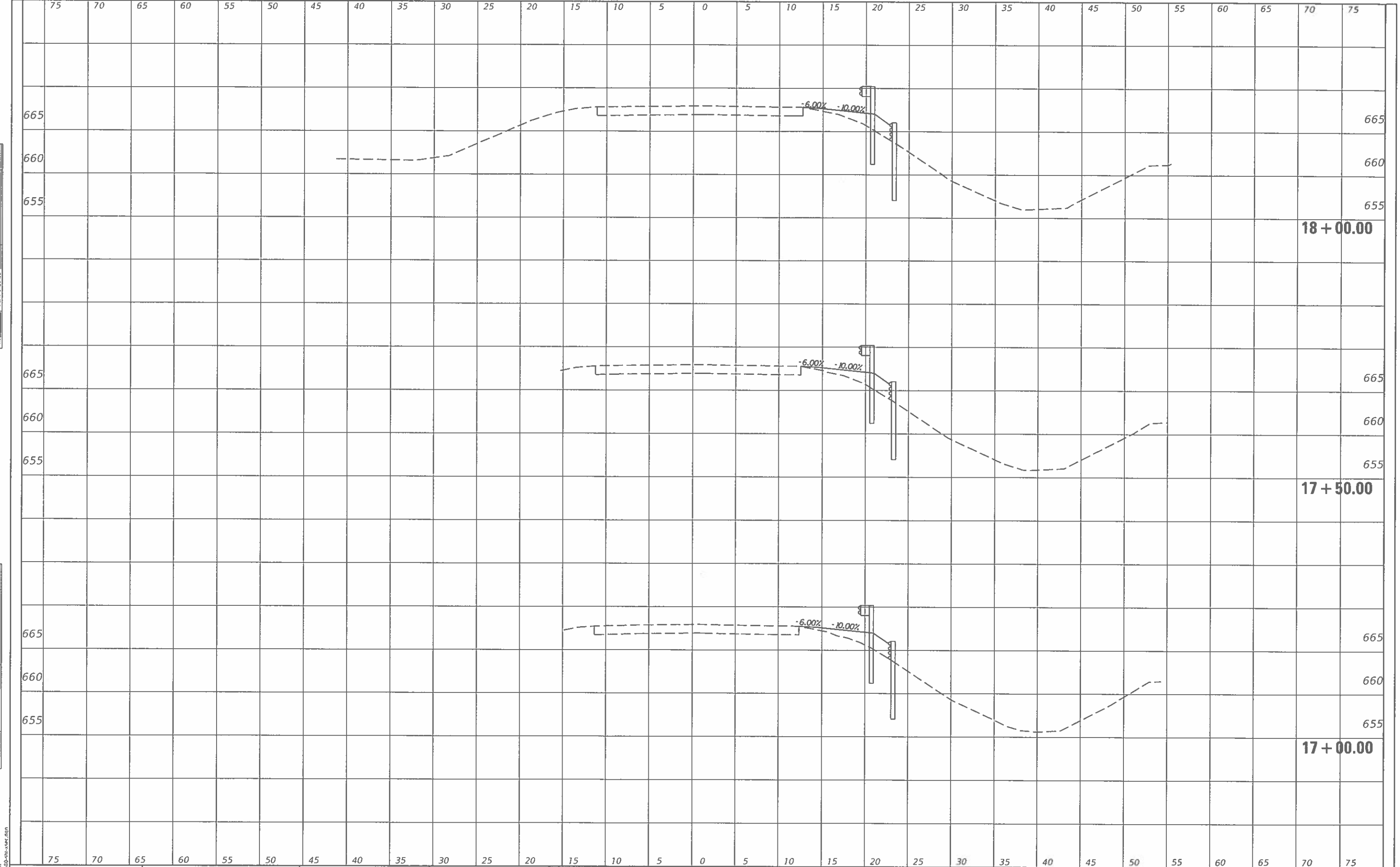
PLAN LOCATION NO. 55

SCALE: SHEET OF SHEETS STA. 15+50.00 TO STA. 16+50.00

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	16-00132-00-5P	EDGAR	56	33
CONTRACT NO. 91591			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	_____
PLOTTED	_____
DATE	_____
NOTE BOOK	_____
NO.	_____
AREAS CHECKED	_____

FINAL SURVEY	_____
PLOTTED	_____
DATE	_____
NOTE BOOK	_____
NO.	_____
AREAS CHECKED	_____



CEC Cummins Engineering Corporation
Civil and Structural Engineering

JOB = 2580
FILE NAME = 2580-shr-15nc.dgn
PLOT SCALE = 10,0000' / in.
PLOT DATE = 11/27/2019

DESIGNED -	CGF	REVISED -	
DRAWN -	BEB	REVISED -	
CHECKED -	NAK	REVISED -	
DATE -	9/2/2019	REVISED -	

**EDGAR COUNTY
GUARDRAIL IMPROVEMENTS**

PLAN LOCATION NO. 55

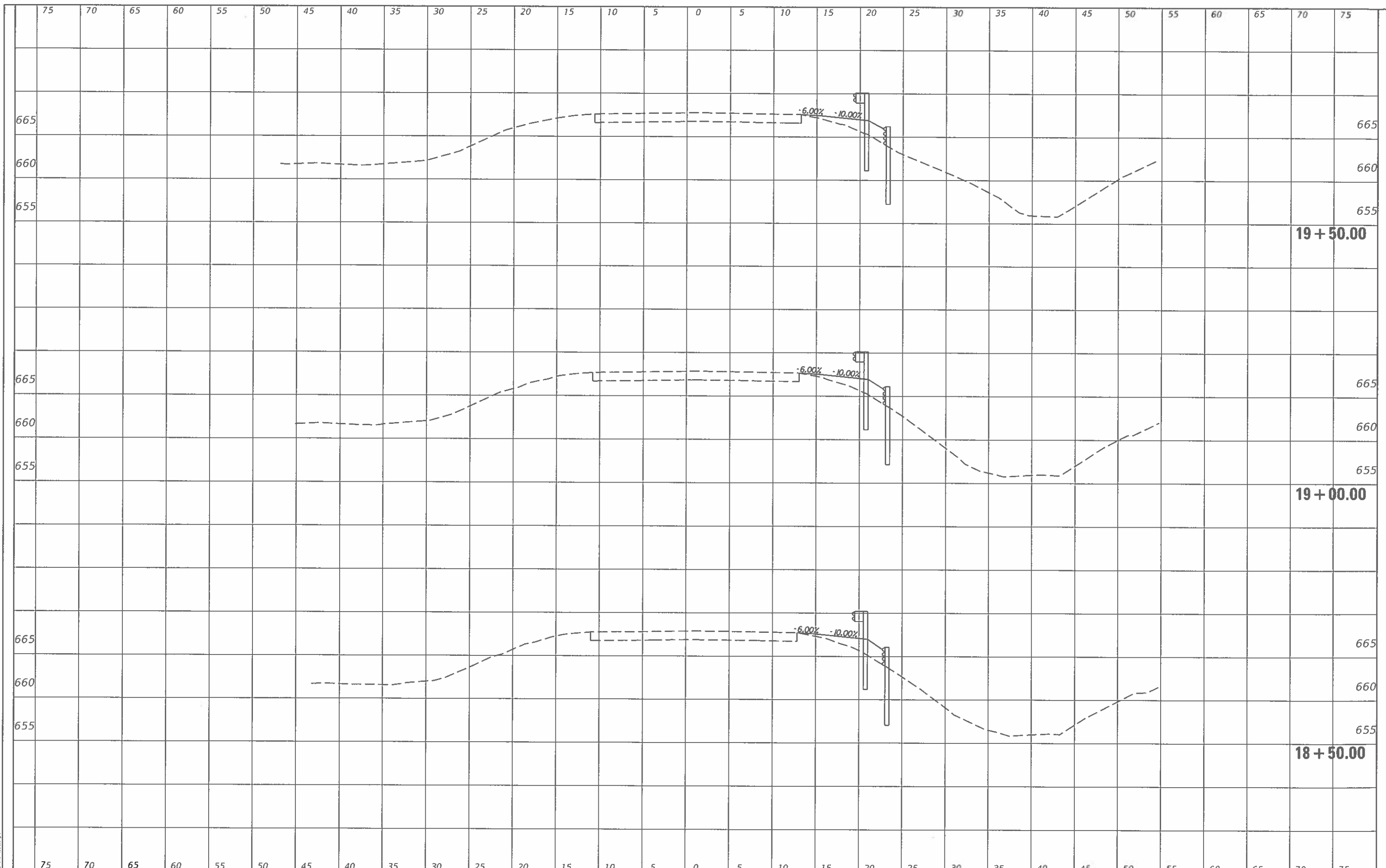
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ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	16-00132-00-SP	EDGAR	56	34
			CONTRACT NO. 91591	
ILLINOIS FED. AID PROJECT				

MODEL: D:\dwg\2580-shr-15nc.dgn

FINAL SURVEY	
SURVEYED	
PLOTTED	
REVISIONS	
DATE	
NO.	
AREAS CHECKED	

FINAL SURVEY	
SURVEYED	
PLOTTED	
REVISIONS	
DATE	
NO.	
AREAS CHECKED	



MODEL: D:\proj\2580\16-00132-00-5P.dwg
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CEC Cummins
Engineering
Corporation
Civil and Structural Engineering

JOB # 2580
FILE NAME = 2580-18-50-sec.dwg
PLOT SCALE = 10,000' / in.
PLOT DATE = 11/27/2019

DESIGNED -	CGF	REVISED -	
DRAWN -	BEB	REVISED -	
CHECKED -	NAK	REVISED -	
DATE -	9/2/2019	REVISED -	

**EDGAR COUNTY
GUARDRAIL IMPROVEMENTS**

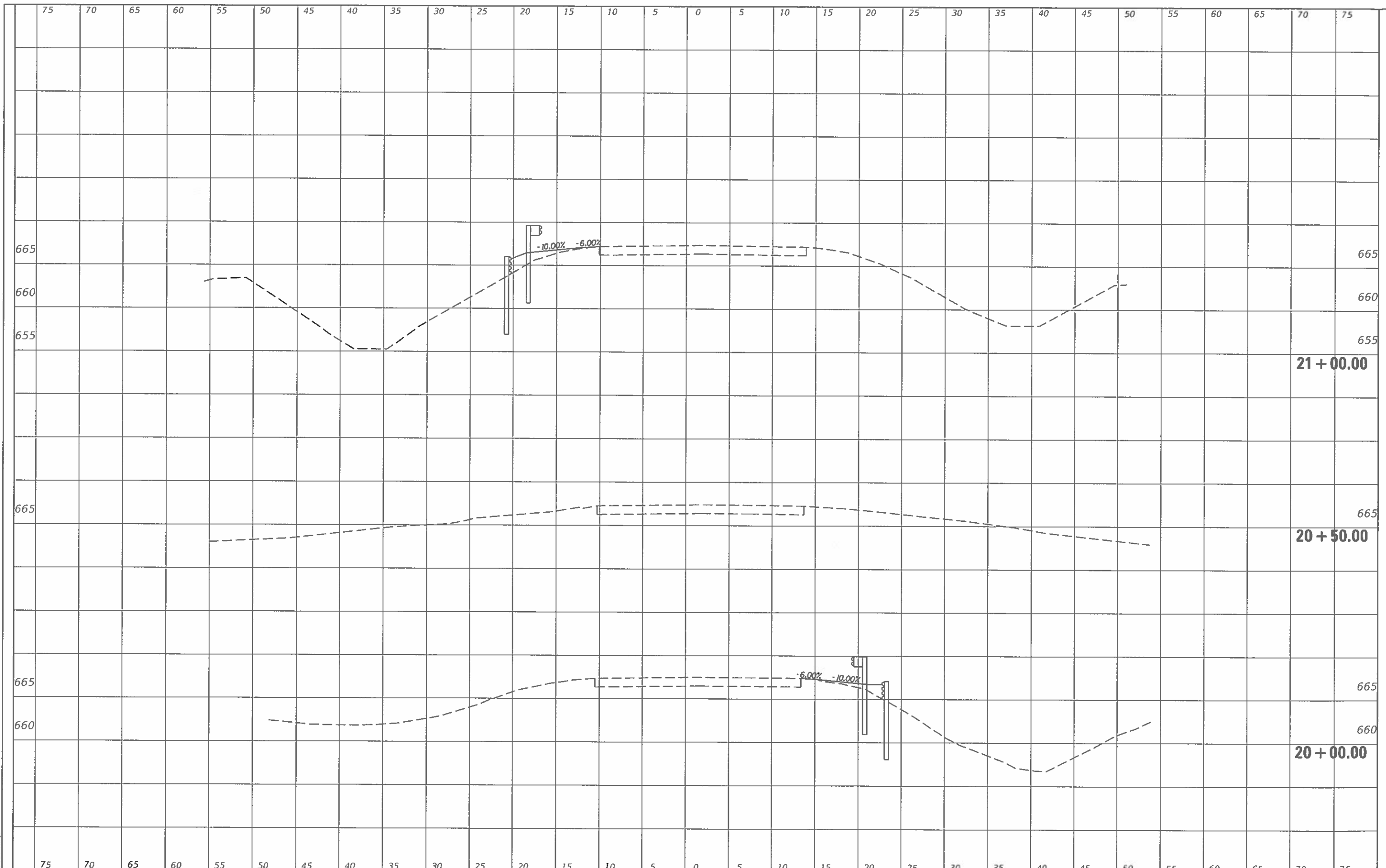
PLAN LOCATION NO. 55

SCALE: SHEET OF SHEETS STA. 18+50.00 TO STA. 19+50.00

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	16-00132-00-5P	EDGAR	56	35
CONTRACT NO. 91591			ILLINOIS FED. AID PROJECT	

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SURVEY	
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NOTE BOOK	
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NOTE BOOK	
AREAS CHECKED	
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MODEL: D:\Auto
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CEC Cummins
 Engineering
 Corporation
 Civil and Structural Engineering

JOB = 2580
 FILE NAME = 2580-PR-SS-EC.dgn
 PLOT SCALE = 10,0000' / 1" = 10000
 PLOT DATE = 11/27/2019

DESIGNED -	CGF	REVISED -	
DRAWN -	BEB	REVISED -	
CHECKED -	NAK	REVISED -	
DATE -	9/2/2019	REVISED -	

**EDGAR COUNTY
 GUARDRAIL IMPROVEMENTS**

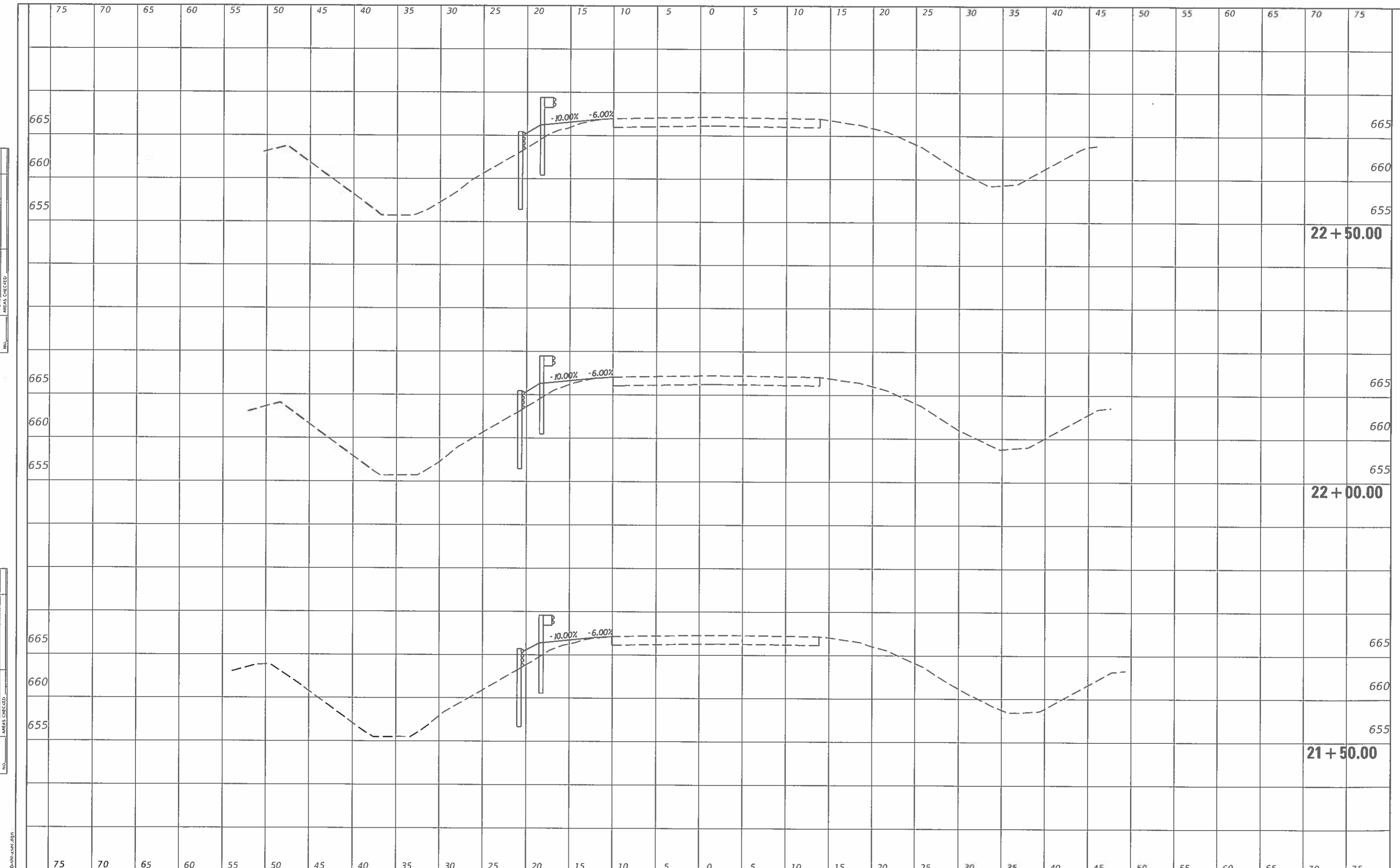
PLAN LOCATION NO. 55

SCALE: SHEET OF SHEETS STA. 20+00.00 TO STA. 21+00.00

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	16-00132-00-5P	EDGAR	56	36
CONTRACT NO. 91591				
ILLINOIS FED. AID PROJECT				

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CEC Cummins Engineering Corporation
Civil and Structural Engineering

JOB = 2580
FILE NAME = 2580-shi-rsec.dgn
PLOT SCALE = 10,0000' / 1 in.
PLOT DATE = 11/27/2019

DESIGNED -	CGF	REVISED -	
DRAWN -	BEB	REVISED -	
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DATE -	9/2/2019	REVISED -	

**EDGAR COUNTY
GUARDRAIL IMPROVEMENTS**

PLAN LOCATION NO. 55

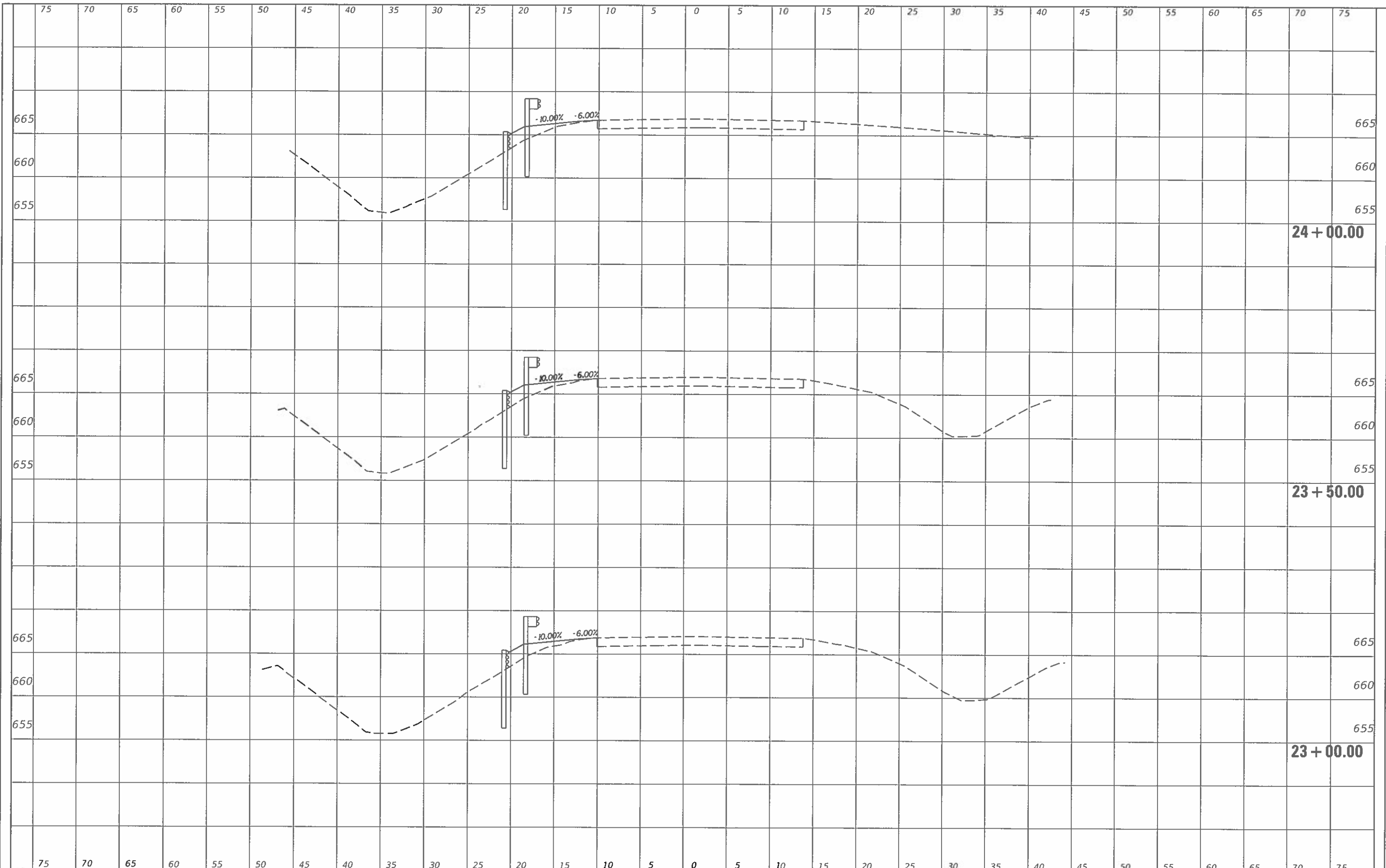
SCALE: SHEET OF SHEETS STA. 21+50.00 TO STA. 22+50.00

ROUTE VARIOUS	SECTION 16-00132-00-5P	COUNTY EDGAR	TOTAL SHEETS 56	SHEET NO. 37
ILLINOIS FED. AID PROJECT			CONTRACT NO. 91591	

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SURVEY	NOTE BOOK	NO.

CHECKED	PLOTTED	AREA CHECKED
SURVEY	NOTE BOOK	NO.

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CEC Cummins
Engineering
Corporation
Civil and Structural Engineering

JOB = 2580
FILE NAME = 2580-she-1.dwg
PLOT SCALE = 10,000' / in.
PLOT DATE = 11/27/2019

DESIGNED - CGF
DRAWN - BEB
CHECKED - NAK
DATE - 9/2/2019

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**EDGAR COUNTY
GUARDRAIL IMPROVEMENTS**

PLAN LOCATION NO. 55

SCALE: SHEET OF SHEETS STA. 23+00.00 TO STA. 24+00.00

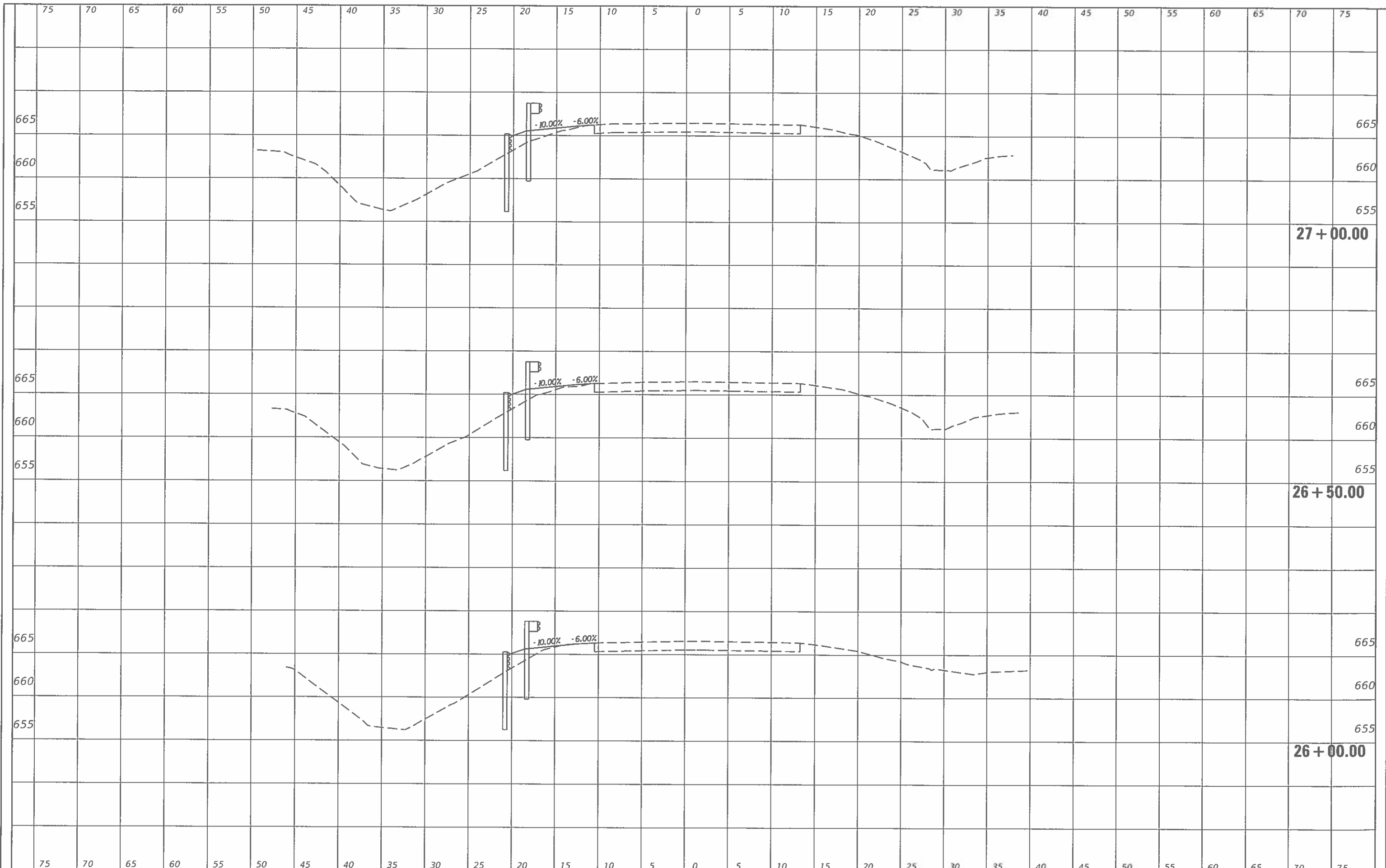
ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	16-00132-00-SP	EDGAR	56	38
			CONTRACT NO. 91591	

ILLINOIS FED. AID PROJECT

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MODEL: D:\dwg\16-00132-00-SP.dwg
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CEC Cummins
 Engineering
 Corporation
 Civil and Structural Engineering

JOB = 2580
 FILE NAME = 2580-sht-sscc.dgn
 PLOT SCALE = 10,0000' / in.
 PLOT DATE = 11/27/2019

DESIGNED - CGF	REVISED -
DRAWN - BEB	REVISED -
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DATE - 9/2/2019	REVISED -

**EDGAR COUNTY
GUARDRAIL IMPROVEMENTS**

PLAN LOCATION NO. 55

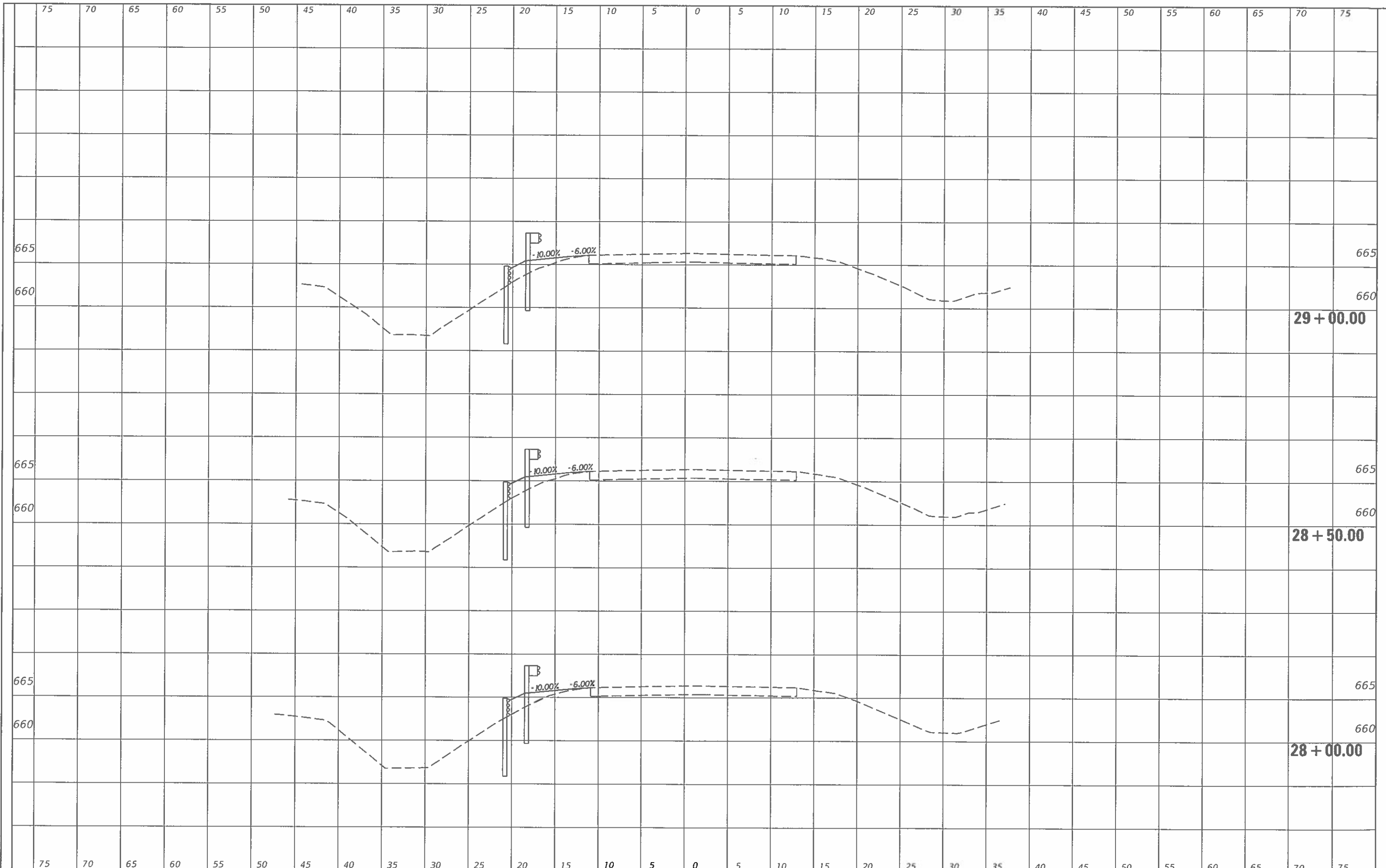
SCALE: SHEET OF SHEETS STA. 26+00.00 TO STA. 27+00.00

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	16-00132-00-SP	EDGAR	56	40
			CONTRACT NO. 91591	

ILLINOIS FED. AID PROJECT

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CEC Cummins
 Engineering
 Corporation
 Civil and Structural Engineering

JOB = 2580
 FILE NAME = 2580-sht-vsec.dgn
 PLOT SCALE = 10.0000 * 1/4" = 1"
 PLOT DATE = 11/27/2019

DESIGNED -	CGF	REVISED -	
DRAWN -	BEB	REVISED -	
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DATE -	9/2/2019	REVISED -	

**EDGAR COUNTY
GUARDRAIL IMPROVEMENTS**

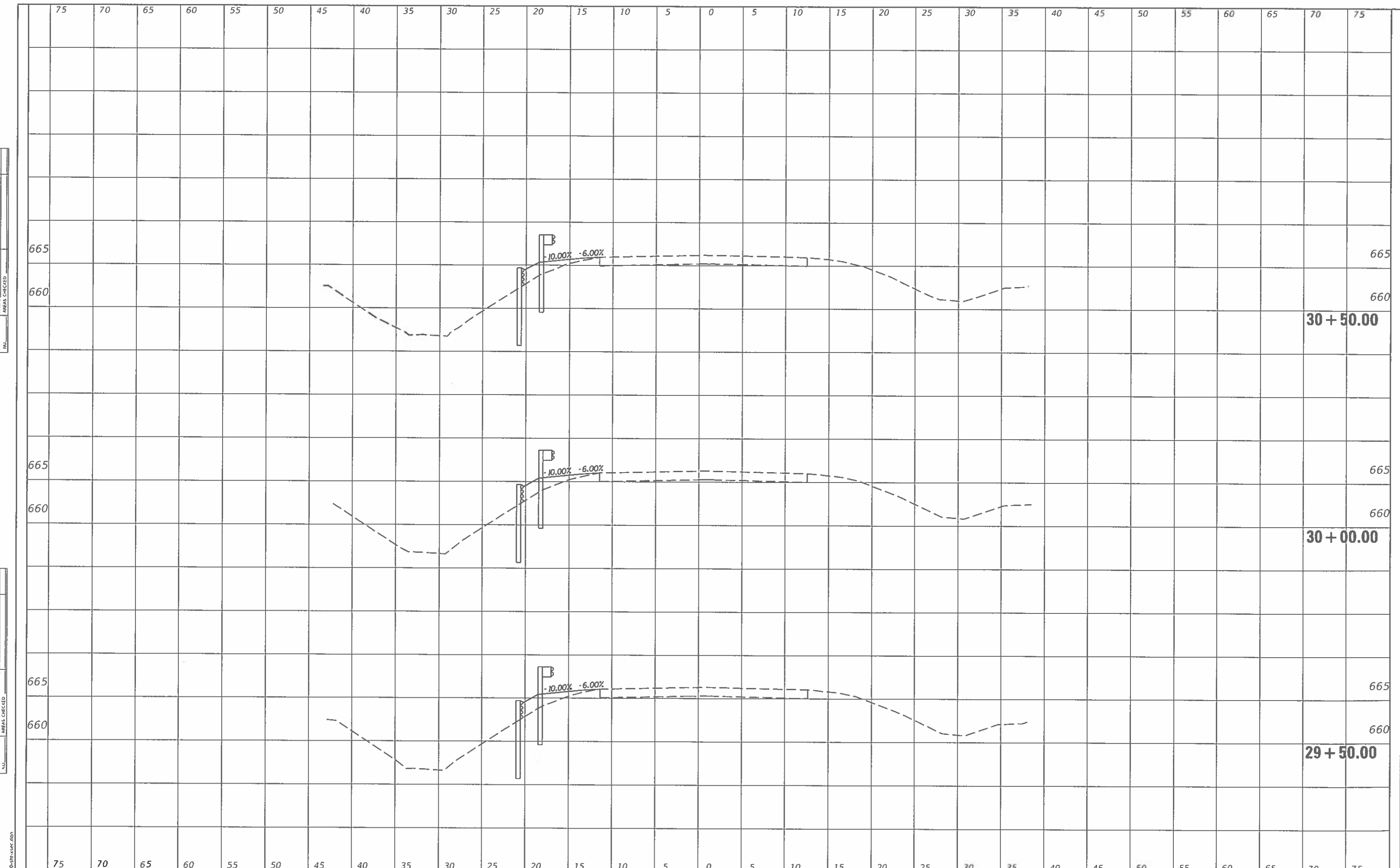
PLAN LOCATION NO. 55

SCALE: SHEET OF SHEETS STA. 28+00.00 TO STA. 29+00.00

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	16-00132-00-5P	EDGAR	56	41
CONTRACT NO. 91591			ILLINOIS FED. AID PROJECT	

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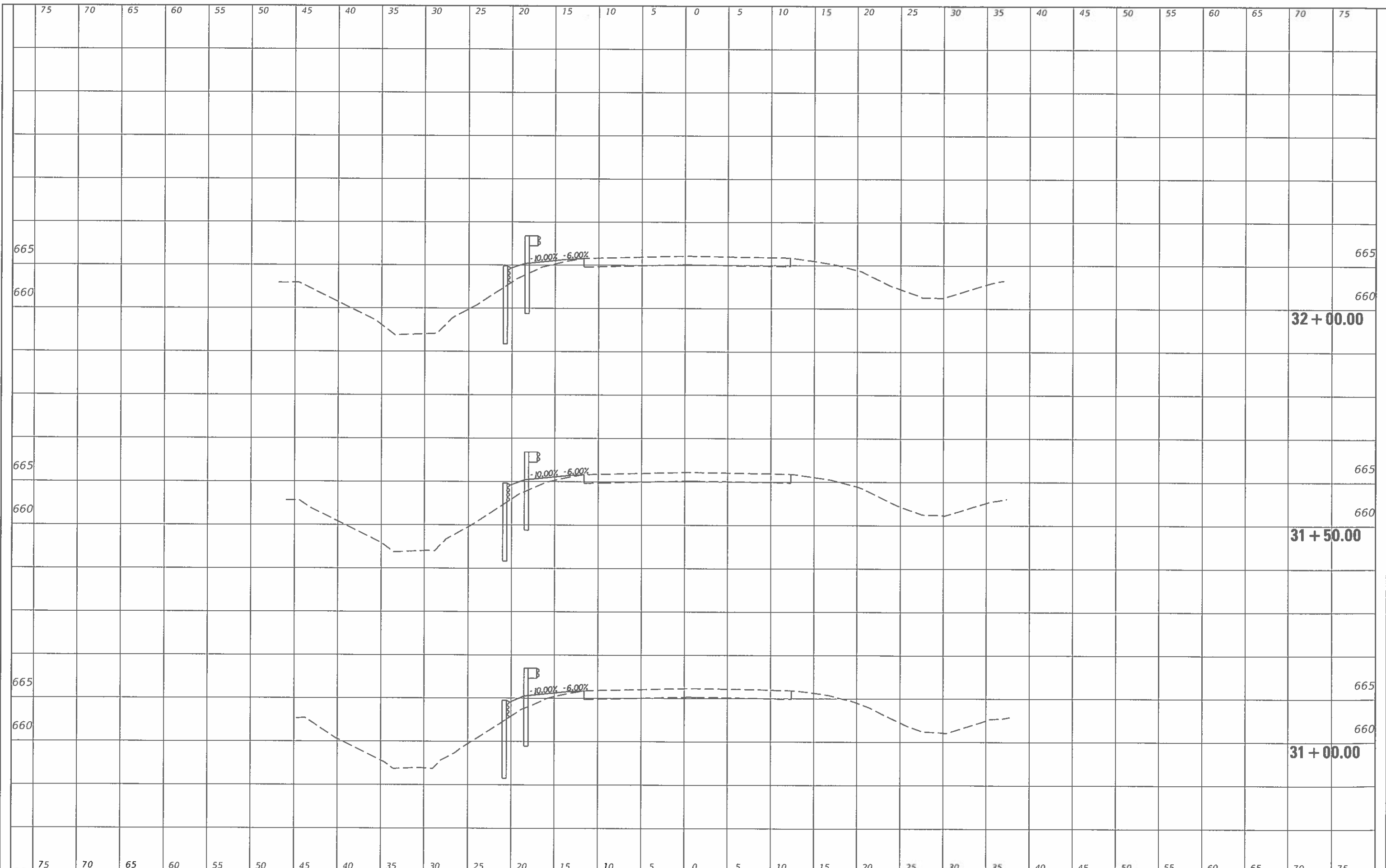


CEC Cummins Engineering Corporation Civil and Structural Engineering	JOB = 2580 FILE NAME = 2580-shi-sscc.dgn PLOT SCALE = 10,000' / 1 in. PLOT DATE = 11/27/2019	DESIGNED - CGF DRAWN - BEB CHECKED - NAK DATE - 9/2/2019	REVISED - REVISED - REVISED - REVISED -	EDGAR COUNTY GUARDRAIL IMPROVEMENTS	PLAN LOCATION NO. 55		ROUTE VARIOUS	SECTION 16-00132-00-5P	COUNTY EDGAR	TOTAL SHEETS 56	SHEET NO. 42
	SCALE: SHEET OF SHEETS STA. 29+50.00 TO STA. 30+50.00						CONTRACT NO. 91591		ILLINOIS FED. AID PROJECT		

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CEC Cummins
 Engineering
 Corporation
 Civil and Structural Engineering

JOB = 2580
 FILE NAME = 2580-shi-sscc.dgn
 PLOT SCALE = 10,0000' / in.
 PLOT DATE = 11/27/2019

DESIGNED - CGF	REVISED -
DRAWN - BEB	REVISED -
CHECKED - NAK	REVISED -
DATE - 9/2/2019	REVISED -

**EDGAR COUNTY
GUARDRAIL IMPROVEMENTS**

PLAN LOCATION NO. 55

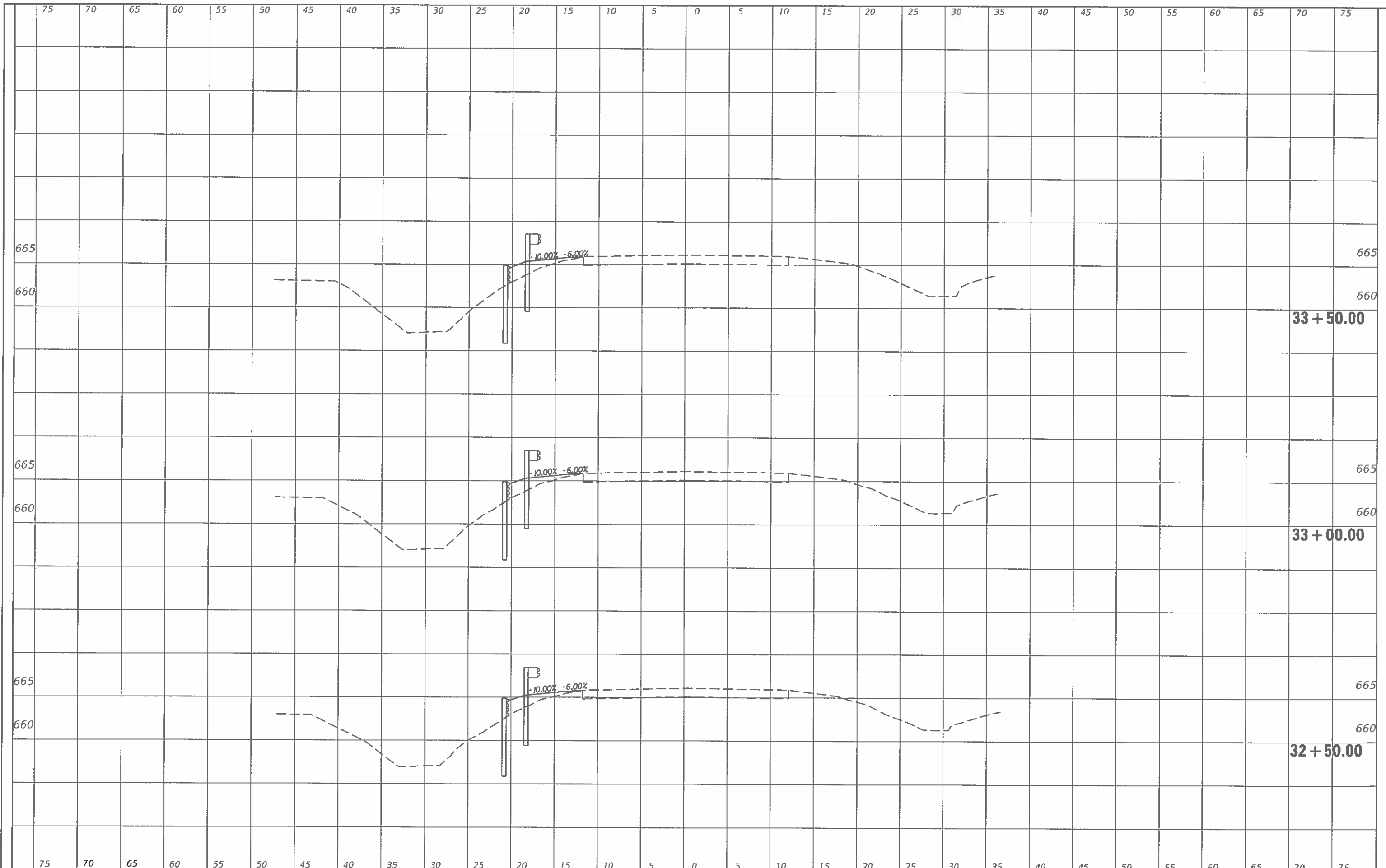
SCALE: SHEET OF SHEETS STA. 31+00.00 TO STA. 32+00.00

ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	16-00132-00-5P	EDGAR	56	43
CONTRACT NO. 91591				
ILLINOIS FED. AID PROJECT				

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NOTE BOOK	
AREAS CHECKED	
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CEC Cummins Engineering Corporation
Civil and Structural Engineering

JOB = 2580
FILE NAME = 2580-shi-vsec.dgn
PLOT SCALE = 10,0000 = 1/4" = 1'

DESIGNED -	CGF	REVISED -	
DRAWN -	BEB	REVISED -	
CHECKED -	NAK	REVISED -	
DATE -	9/2/2019	REVISED -	

**EDGAR COUNTY
GUARDRAIL IMPROVEMENTS**

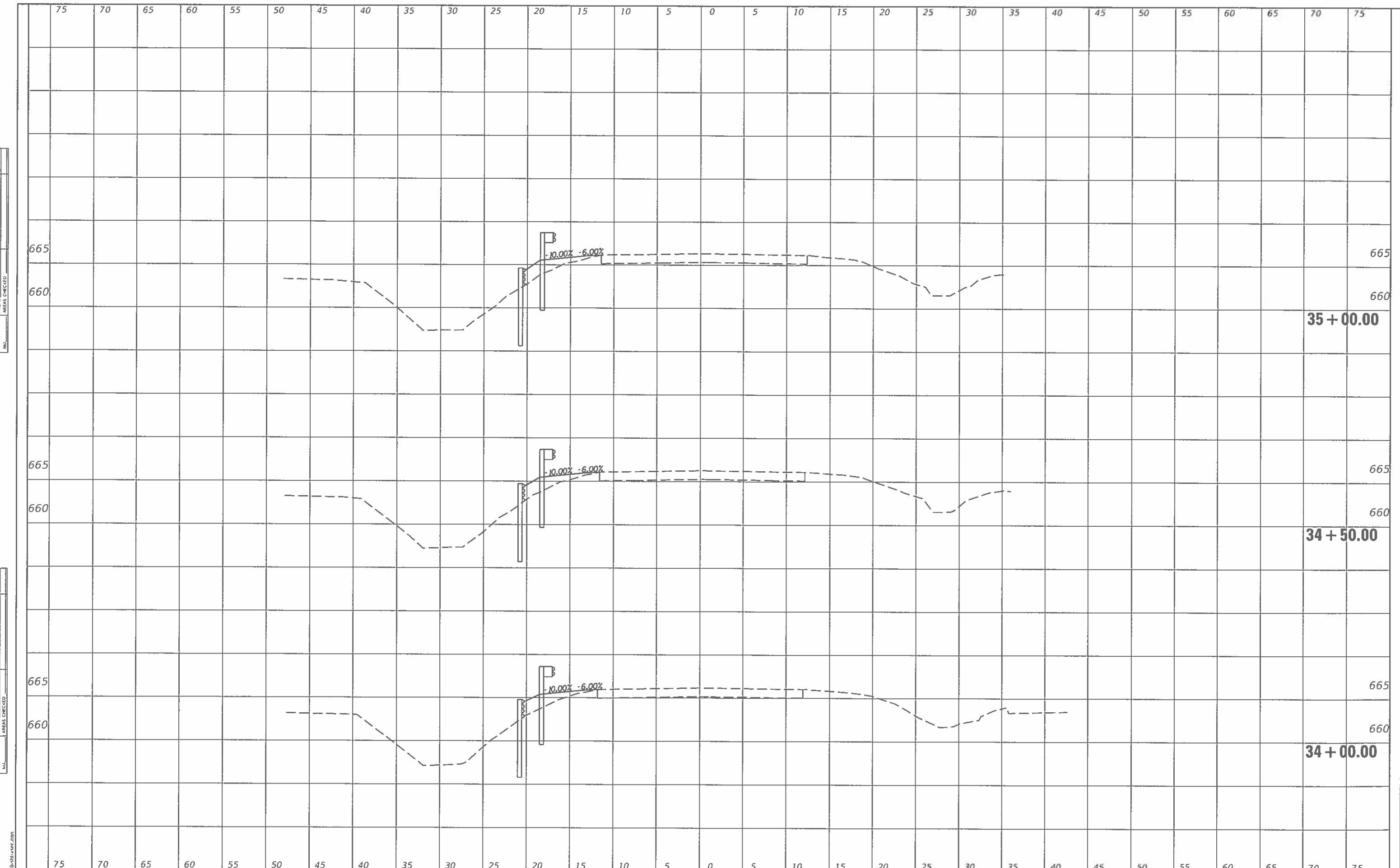
PLAN LOCATION NO. 55

SCALE: SHEET OF SHEETS STA. 32+50.00 TO STA. 33+50.00

ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	16-00132-00-5P	EDGAR	56	44
			CONTRACT NO. 91591	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	
REVISIONS	
DATE	
BY	
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SUBMITTED	
DATE	
BY	
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CEC Cummins Engineering Corporation
Civil and Structural Engineering

JOB = 2580
FILE NAME = 2580-shl-sec.dgn
PLOT SCALE = 10.0000' / in.
PLOT DATE = 11/27/2019

DESIGNED -	CGF	REVISED -	
DRAWN -	BEB	REVISED -	
CHECKED -	NAK	REVISED -	
DATE -	9/2/2019	REVISED -	

**EDGAR COUNTY
GUARDRAIL IMPROVEMENTS**

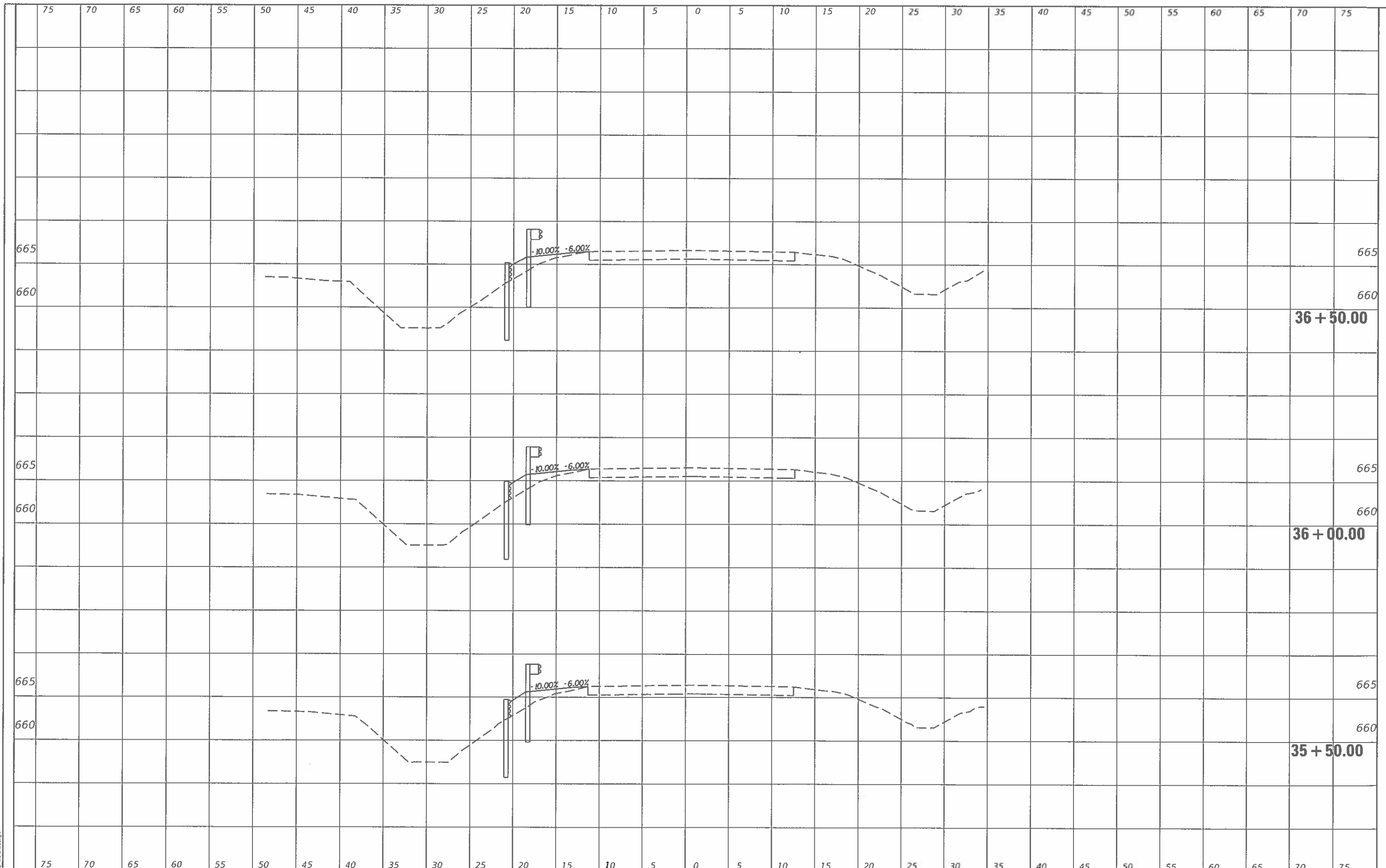
PLAN LOCATION NO. 55

SCALE: SHEET OF SHEETS STA. 34+00.00 TO STA. 35+00.00

ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	16-00132-00-5P	EDGAR	56	45
			CONTRACT NO. 91591	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	PLOTTED	DATE	NO.
SURVEYED	NOTED	DATE	NO.
PLANNED	NOTED	DATE	NO.
AREAS CHECKED			

DESIGNED	CGF	REVISIONS
DRAWN	BEB	REVISIONS
CHECKED	NAK	REVISIONS
DATE	9/2/2019	REVISIONS



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CEC Cummins Engineering Corporation
 Civil and Structural Engineering

JOB = 2580
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 PLOT DATE = 11/27/2019

DESIGNED	-	CGF	REVISIONS
DRAWN	-	BEB	REVISIONS
CHECKED	-	NAK	REVISIONS
DATE	-	9/2/2019	REVISIONS

**EDGAR COUNTY
 GUARDRAIL IMPROVEMENTS**

PLAN LOCATION NO. 55

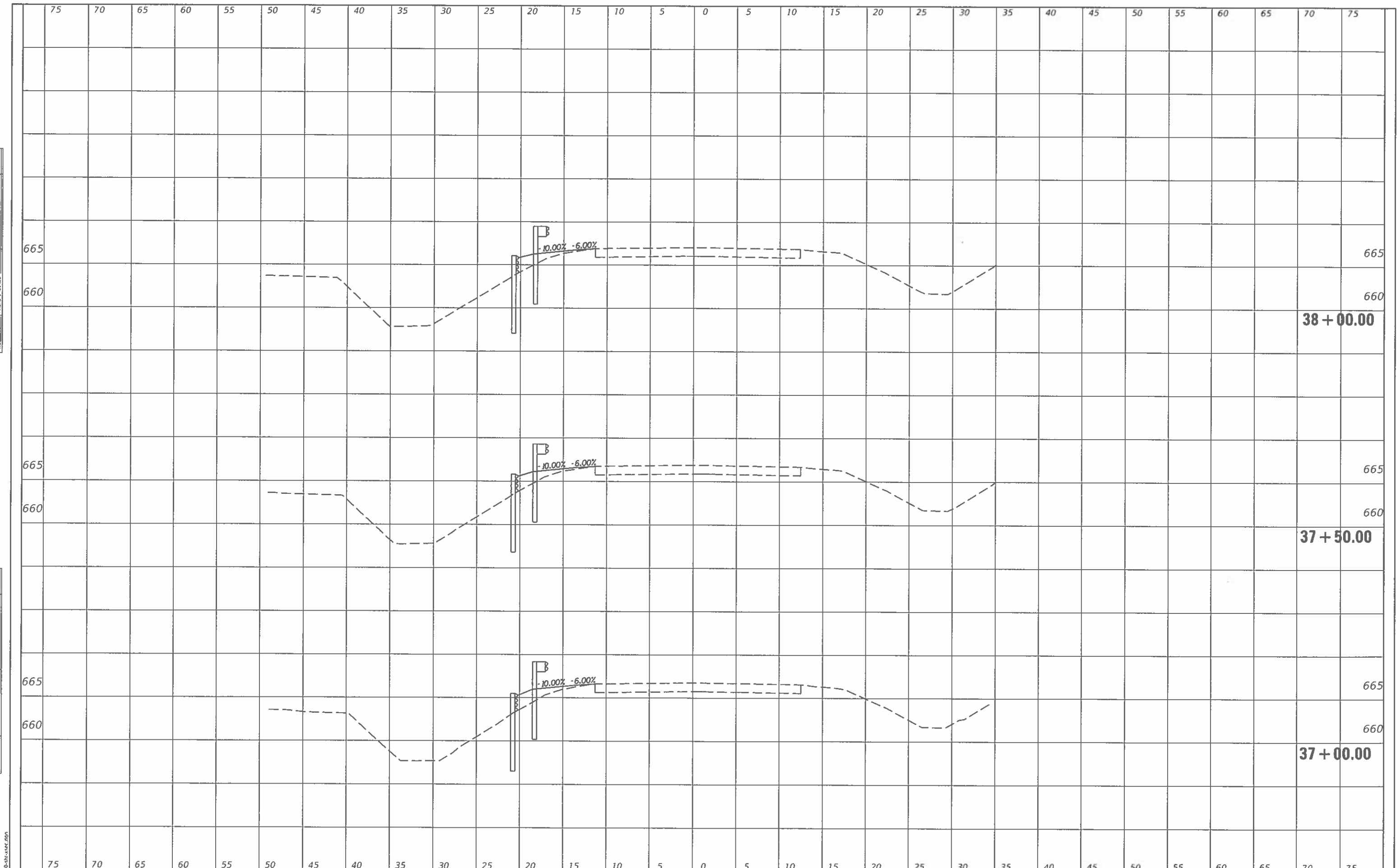
SCALE: SHEET OF SHEETS STA. 35+50.00 TO STA. 36+50.00

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	16-00132-00-SP	EDGAR	56	46
			CONTRACT NO. 91591	

ILLINOIS FED. AID PROJECT

FINAL SURVEY	
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CEC Cummins Engineering Corporation
Civil and Structural Engineering

JOB = 2580
FILE NAME = 2580-shi-spec.rgn
PLOT SCALE = 10,0000 * 1 in.
PLOT DATE = 11/27/2019

DESIGNED	-	CGF	REVISED	-
DRAWN	-	BEB	REVISED	-
CHECKED	-	NAK	REVISED	-
DATE	-	9/2/2019	REVISED	-

**EDGAR COUNTY
GUARDRAIL IMPROVEMENTS**

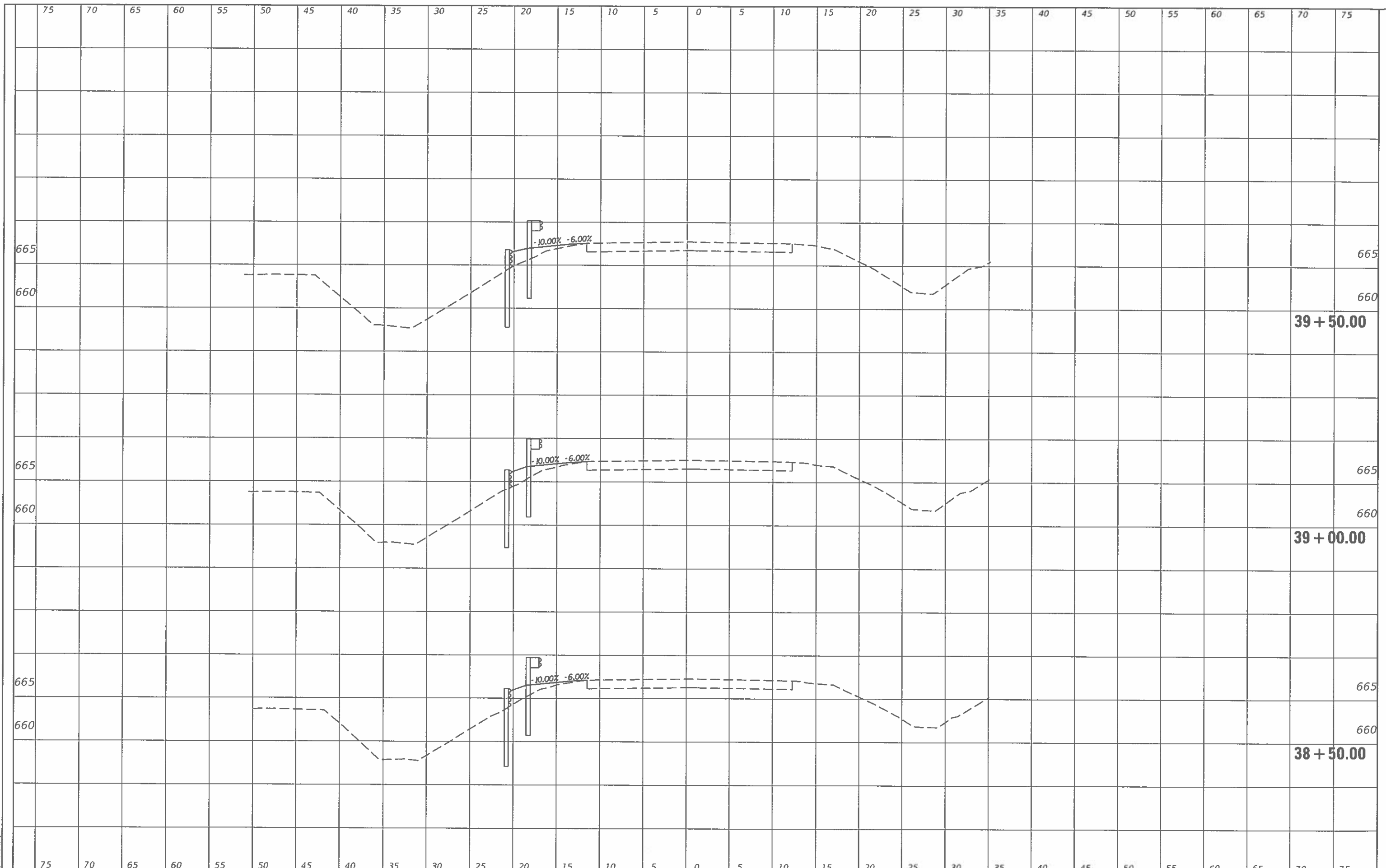
PLAN LOCATION NO. 55

SCALE: SHEET OF SHEETS STA. 37+00.00 TO STA. 38+00.00

ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	16-00132-00-SP	EDGAR	56	47
			CONTRACT NO. 91591	
ILLINOIS FED. AID PROJECT				

FINAL SURVEY	
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NOTE BOOK	
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REVISIONS	
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CEC Cummins Engineering Corporation
Civil and Structural Engineering

JOB = 2580
FILE NAME = 2580-SP-16C.dgn
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PLOT DATE = 11/27/2019

DESIGNED - CGF
DRAWN - BEB
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DATE - 9/2/2019

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**EDGAR COUNTY
GUARDRAIL IMPROVEMENTS**

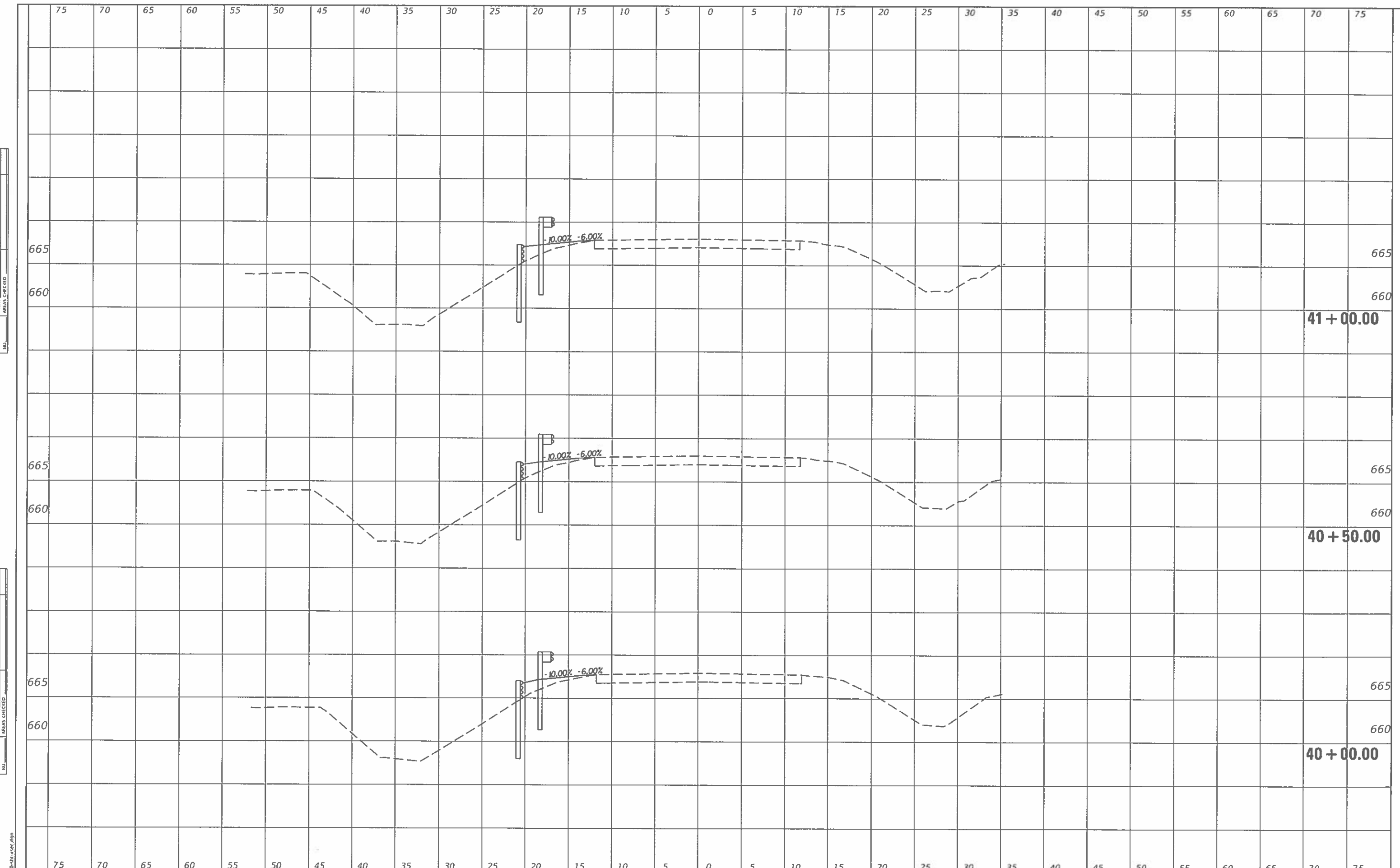
PLAN LOCATION NO. 55

SCALE: SHEET OF SHEETS STA. 38+50.00 TO STA. 39+50.00

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	16-00132-00-SP	EDGAR	56	48
CONTRACT NO. 91591			ILLINOIS FED. AID PROJECT	

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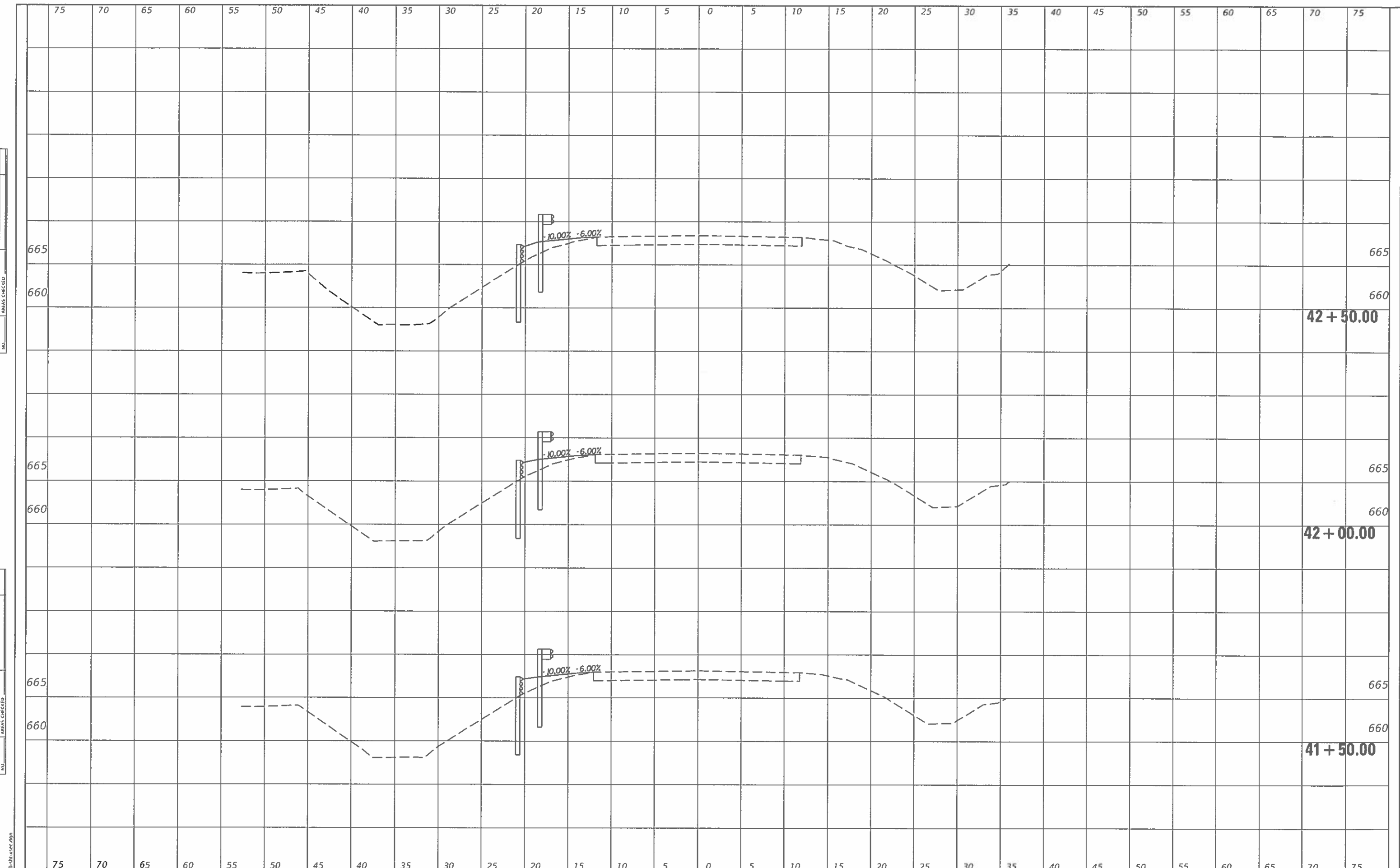


CEC Cummins Engineering Corporation Civil and Structural Engineering	JOB = 2580	DESIGNED - CGF	REVISED -	EDGAR COUNTY GUARDRAIL IMPROVEMENTS	PLAN LOCATION NO. 55	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FILE NAME = 2580-shi-sec.dgn	DRAWN - BEB	REVISED -			VARIOUS	16-00132-00-SP	EDGAR	56	49
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	PLOT DATE = 11/27/2019	DATE - 9/2/2019	REVISED -	SCALE:	SHEET OF SHEETS	STA. 40+00.00	TO STA. 41+00.00			

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 FILE NAME: 2580-shi-sec.dgn

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 PLOTTED _____
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 AREAS CHECKED _____
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CEC Cummins
 Engineering
 Corporation
 Civil and Structural Engineering

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 PLOT DATE = 11/27/2019

DESIGNED - CGF
 DRAWN - BEB
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**EDGAR COUNTY
 GUARDRAIL IMPROVEMENTS**

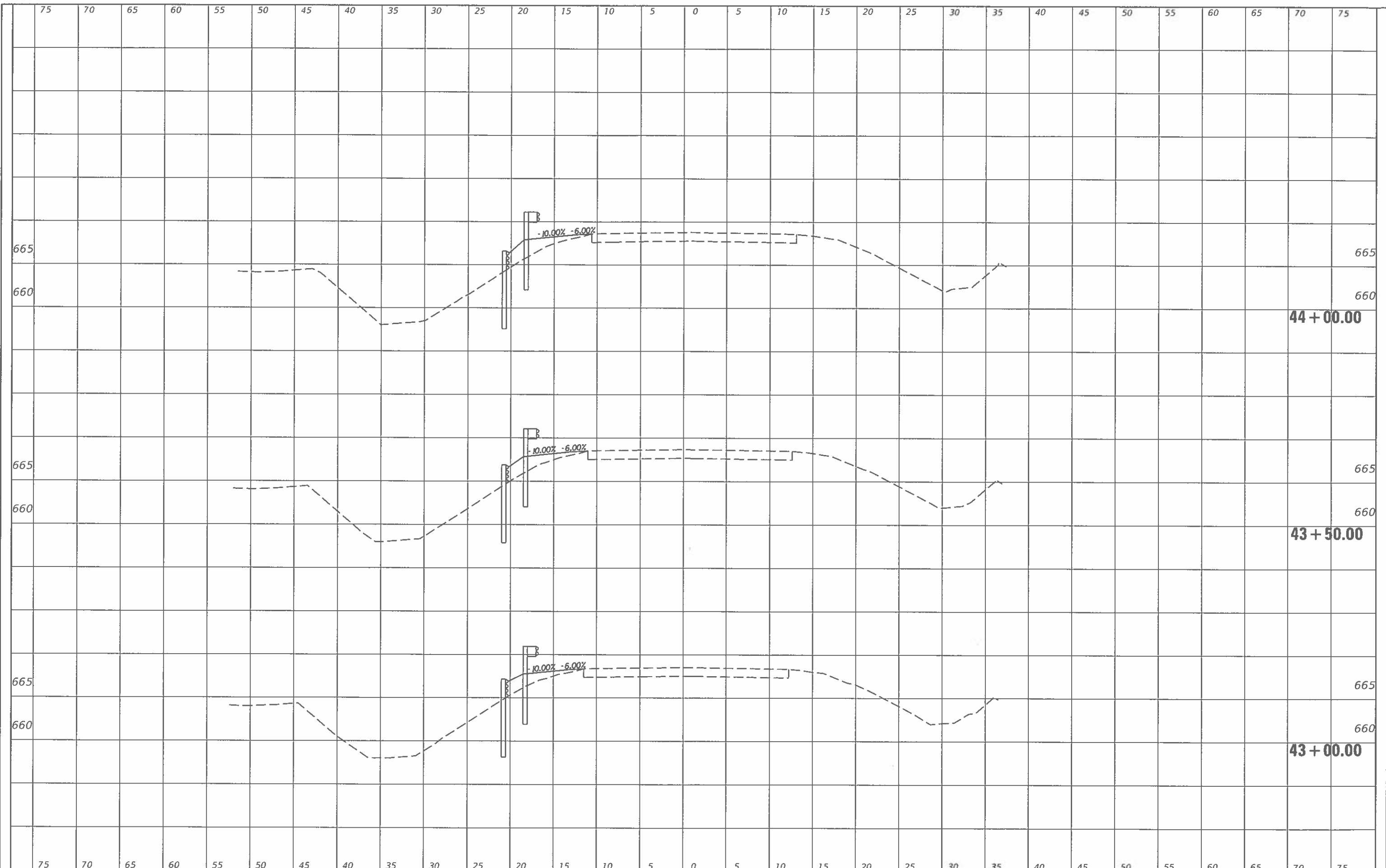
PLAN LOCATION NO. 55

SCALE: SHEET OF SHEETS STA. 41+50.00 TO STA. 42+50.00

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	16-00132-00-5P	EDGAR	56	50
			CONTRACT NO. 91591	
			ILLINOIS FED. AID PROJECT	

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MODEL: D:\InRoads
 FILE NAME: 2580-dm-sec.dgn

CEC Cummins
 Engineering
 Corporation
 Civil and Structural Engineering

JOB = 2580
 FILE NAME = 2580-shi-sec.dgn
 PLOT SCALE = 10,0000' / in.
 PLOT DATE = 11/27/2019

DESIGNED - CGF	REVISED -
DRAWN - BEB	REVISED -
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DATE - 9/2/2019	REVISED -

**EDGAR COUNTY
GUARDRAIL IMPROVEMENTS**

PLAN LOCATION NO. 55

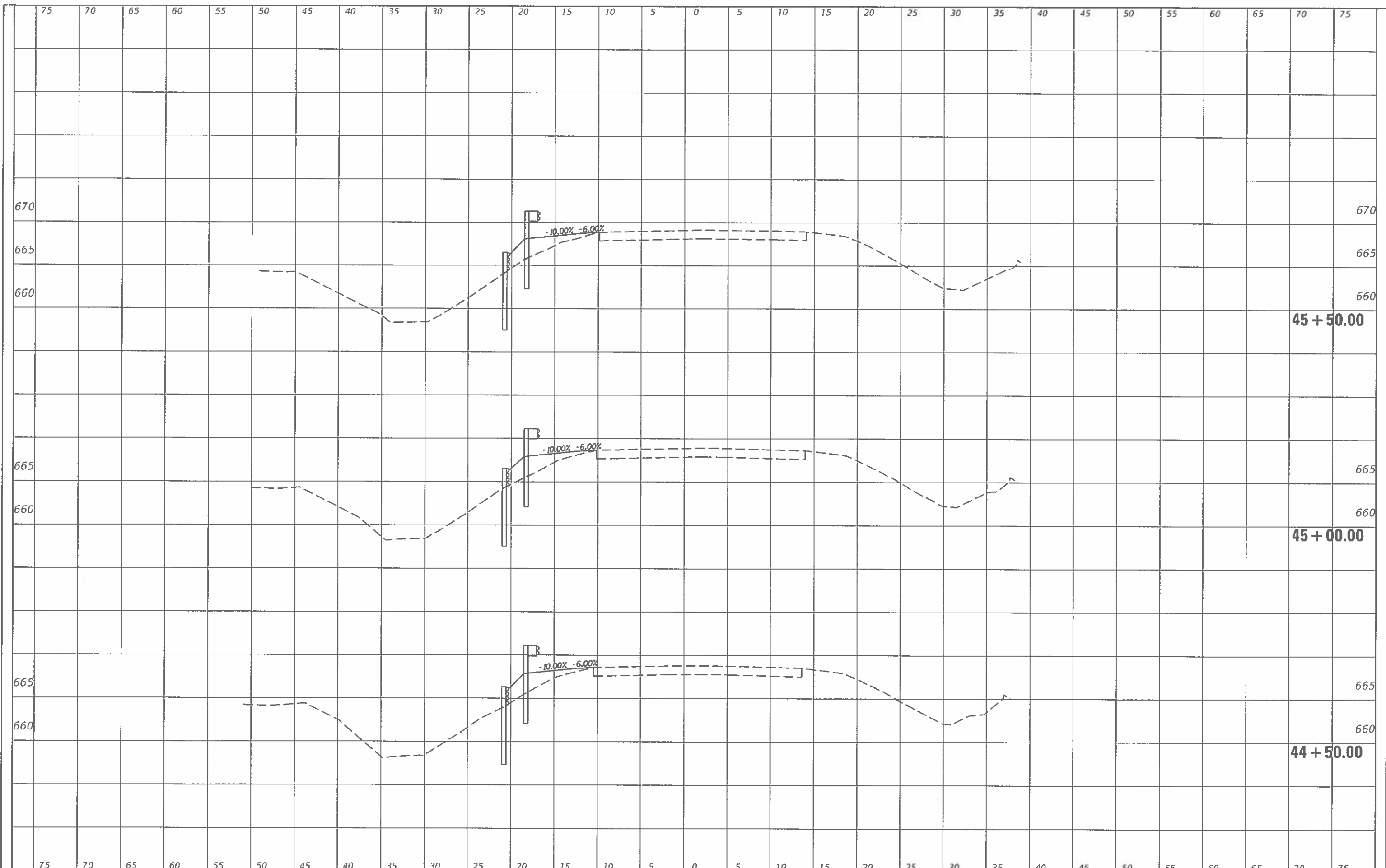
SCALE: SHEET OF SHEETS STA. 43+00.00 TO STA. 44+00.00

ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	16-00132-00-5P	EDGAR	56	51
			CONTRACT NO. 91591	
ILLINOIS FED. AID PROJECT				

DATE	
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MODEL: D:\civil\2580-51\2580-51-vsec.dgn



CEC Cummins Engineering Corporation
Civil and Structural Engineering

JOB = 7580
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PLOT SCALE = 10,0000' = 1 in.
PLOT DATE = 11/27/2019

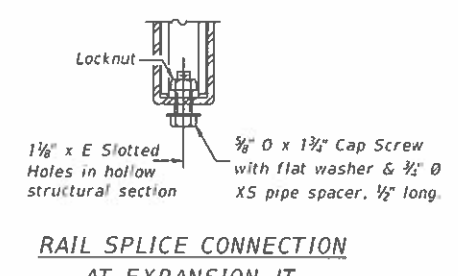
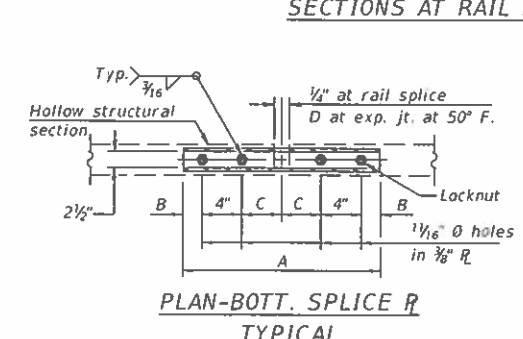
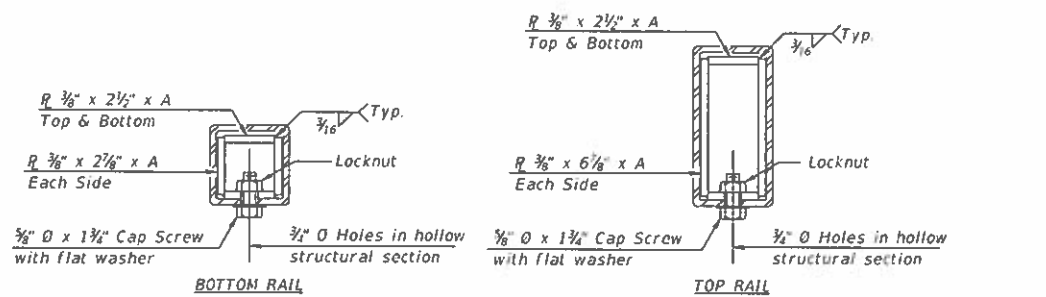
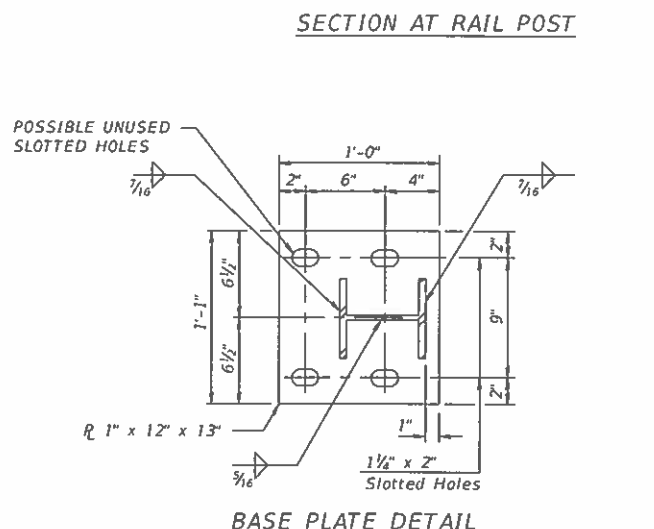
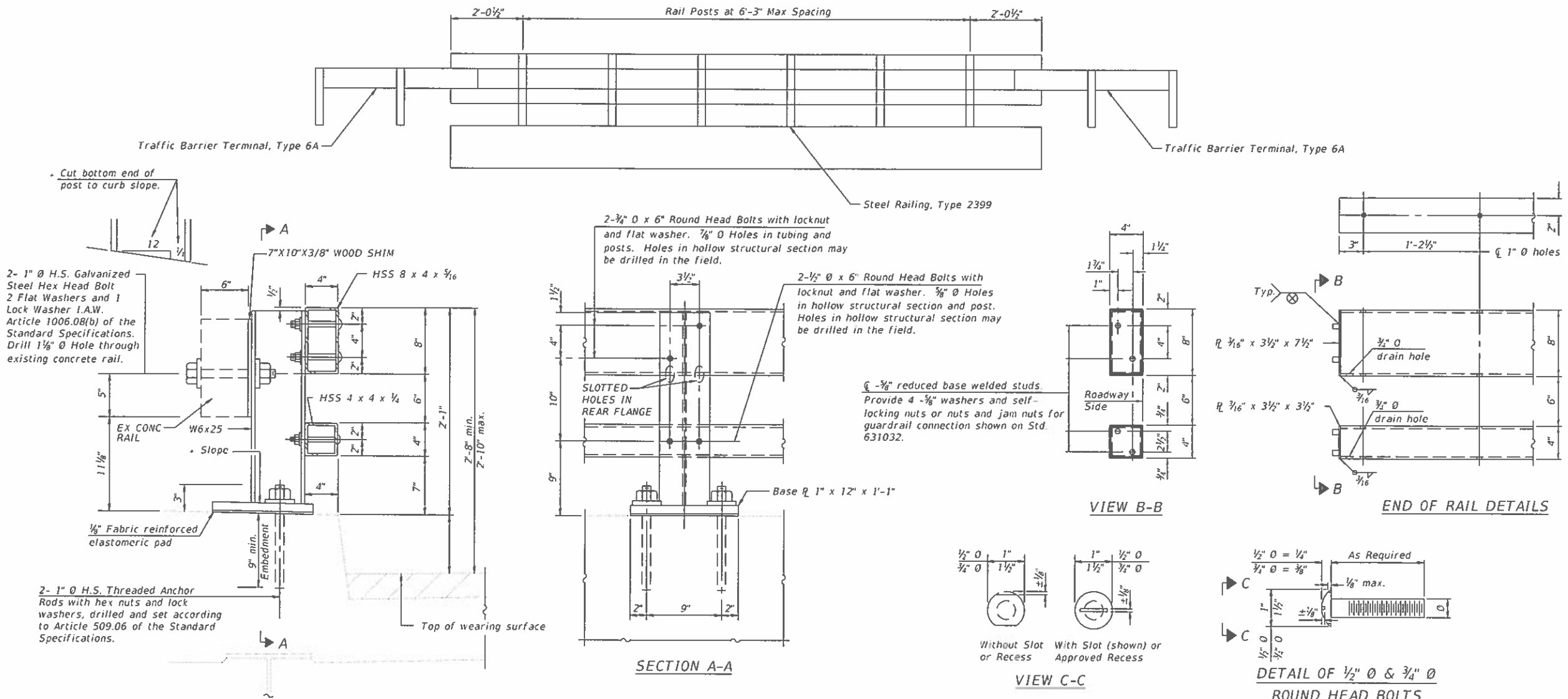
DESIGNED	-	CGF	REVISED	-
DRAWN	-	BEB	REVISED	-
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DATE	-	9/2/2019	REVISED	-

**EDGAR COUNTY
GUARDRAIL IMPROVEMENTS**

PLAN LOCATION NO. 55

SCALE: SHEET OF SHEETS STA. 44+50.00 TO STA. 45+50.00

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VARIOUS	16-00132-00-5P	EDGAR	56	52
			CONTRACT NO. 91591	
			ILLINOIS FED. AID PROJECT	



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"	—

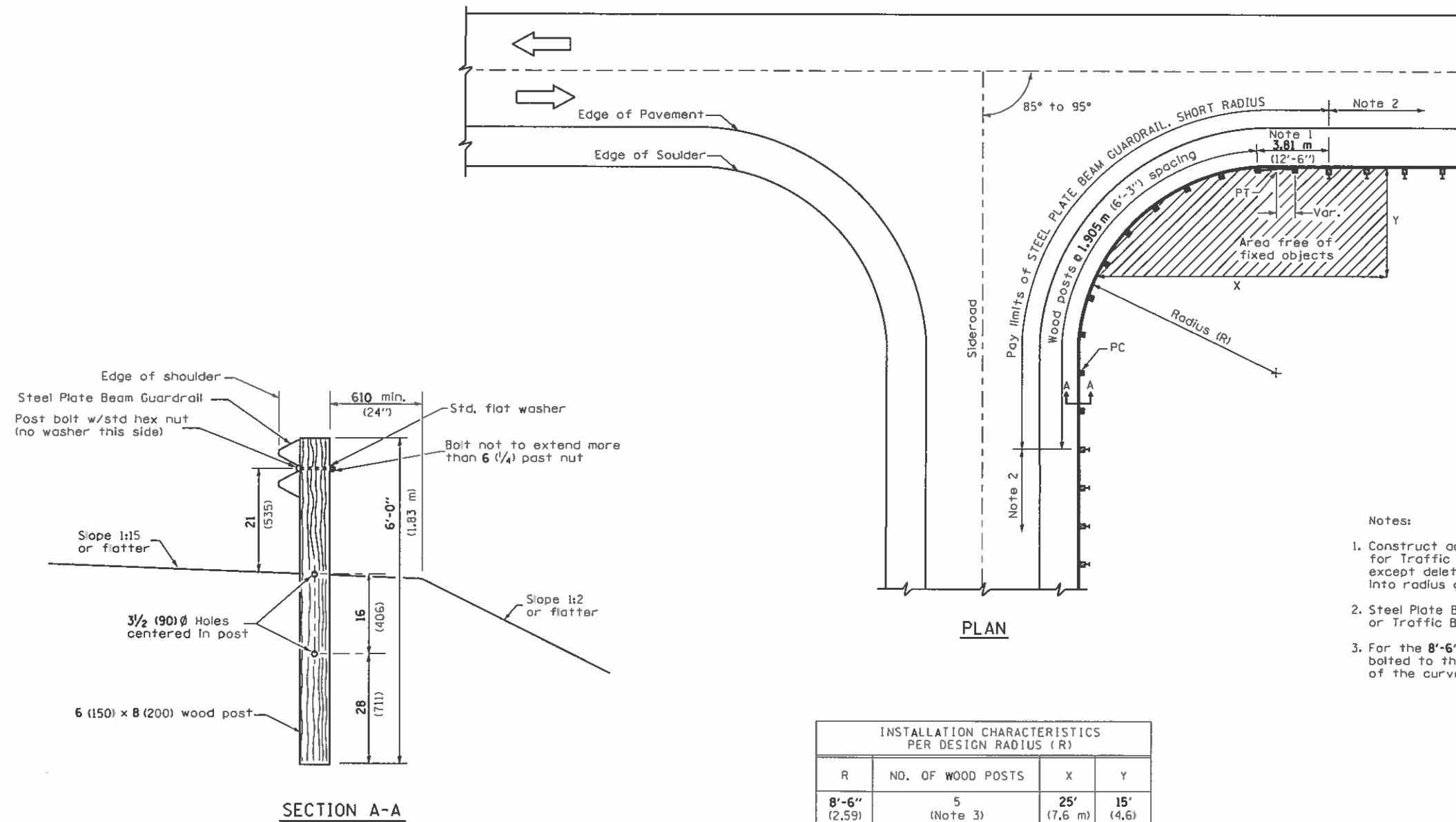
T = Total movement at expansion joint as shown on the design plans.

BILL OF MATERIAL

Item	Unit	Quantity
Steel Railing, Type 2399	Foot	152.0

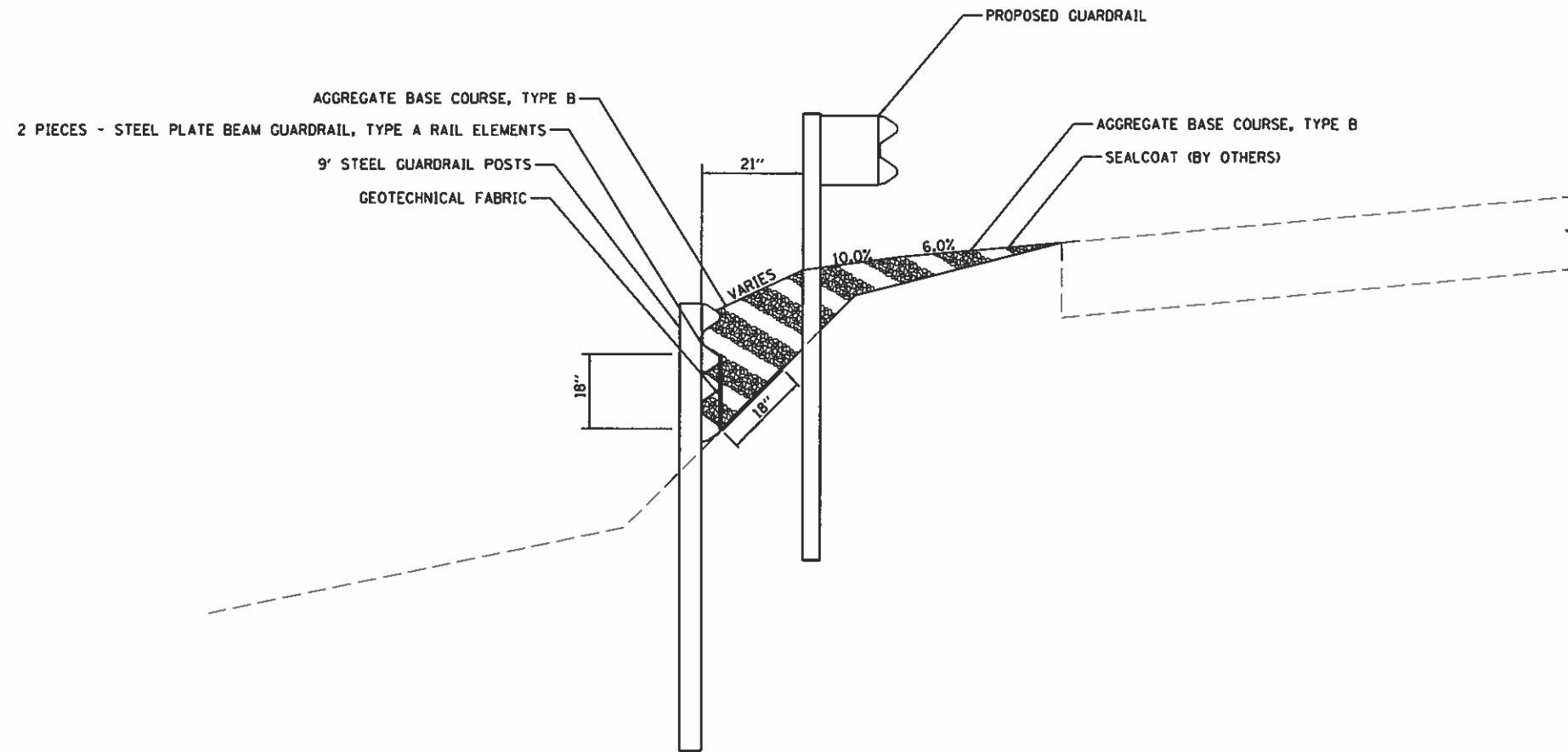
NOTE: SHEET BASED ON IDOT DRAWING R-31

<p>Cummins Engineering Corporation Civil and Structural Engineering</p>	JOB # 2580	DESIGNED - CCF	REVISED -	EDGAR COUNTY GUARDRAIL IMPROVEMENTS	MODIFIED STEEL RAILING, TYPE 2399	ROUTE VARIOUS	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FILE NAME = 2580-Steel_Railing_2399.dgn	DRAWN - CCF	REVISED -			16-00132-00-SP	EDGAR	56	54	
	PLOT SCALE = 40:8.888 '1' = 1"	CHECKED - NAK	REVISED -			CONTRACT NO. 91591				
	PLOT DATE = 11/27/2019	DATE - 4/26/2019	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT



- 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)



RETAINING WALL, SPECIAL

GENERAL NOTES

THIS WORK SHALL BE DONE IN ACCORDANCE TO THE APPLICABLE PORTIONS OF SECTION 630 OF THE STANDARD SPECIFICATIONS.

POST SPACING SHALL BE 6'-3".

STEEL PLATE BEAM GUARDRAIL SHALL BE ACCORDING TO THE REQUIREMENTS OF AASHTO M 180, TYPE 1, CLASS A.

STEEL PLATE BEAM GUARDRAIL AND STEEL POSTS SHALL BE IN ACCORDANCE WITH ARTICLES 1006.23 AND 1006.25 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION MANUAL. SALVAGED RAIL ELEMENTS MAY BE USED INCLUDING POSTS THAT WERE NOT DAMAGED BY THE CONTRACTOR DURING THE REMOVAL MAY BE USED IN LIEU OF NEW RAIL ELEMENTS AND POSTS AS APPROVED BY THE ENGINEER. AN ESTIMATED QUANTITY OF 2975 FOOT OF GUARDRAIL WILL BE REMOVED DURING CONSTRUCTION AND COULD BE USED FOR THE RETAINING WALL, SPECIAL AS APPROVED BY THE ENGINEER. THE ENGINEER WILL BE THE SOLE JUDGE ON WHICH PIECES OF RAIL ARE DEEMED SALAGEABLE AND REUSEABLE.

ALL SECTIONS OF GUARDRAIL SHALL BE BOLTED TOGETHER.

RAIL ELEMENTS SHALL BE BOLTED TO POST.

BOTTOM OF RAIL SHALL BE PLACED AT THE EXISTING GROUND LINE.

GEO TECHNICAL FABRIC SHALL BE A 36" ROLL AND PLACED BEHIND THE RAIL ELEMENT AND ON THE GROUND BEHIND THE EXISTING GUARDRAIL BEFORE PLACING THE AGGREGATE BASE COURSE, TYPE B. THE GEO TECHNICAL FABRIC SHALL WRAP 18" ALONG THE RAIL ELEMENTS. THE INSTALLATION AND MATERIAL FOR GEO TECHNICAL FABRIC SHALL BE ACCORDING TO SECTION 210 OF THE STANDRADRD SPECIFICATIONS.

AGGREGATE SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR AGGREGATE BASE COURSE, TYPE B.

SUGGESTED SEQUENCE OF CONSTRUCTION:

- 1) REMOVE GUARDRAIL.
- 2) PLACE RETAINING WALL AS SHOWN IN PLAN DETAIL.
- 3) PLACE AGGREGATE BASE COURSE, TYPE B AS SHOWN IN PLAN DETAIL.
- 4) APPLY SEALCOAT (BY OTHERS)
- 5) PLACE GUARDRAIL.