

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B)CR	SANGAMON	119	1
		ILLINOIS	CONTRACT NO. 72F27	

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# PROPOSED HIGHWAY PLANS

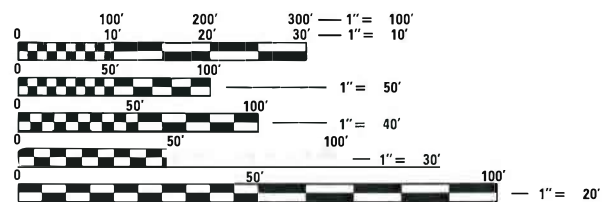
F.A.S. ROUTE 1645 (IL 123)  
& SBI 24 2 0.19 (OLD IL 29)  
SECTION (B) CR  
PROJECT STP-GU4U (409)  
RESURFACING AND CULVERT REPLACEMENTS  
SANGAMON COUNTY

FOR LIST OF HIGHWAY STANDARDS, SEE SHEET NO. 2

TRAFFIC DATA

2017 ADT = 2650 (ACTUAL)  
2037 ADT = 2950 (ESTIMATED)  
SU = 3.4%  
MU = 4.5%

FUNCTIONAL CLASSIFICATION  
MAJOR COLLECTOR

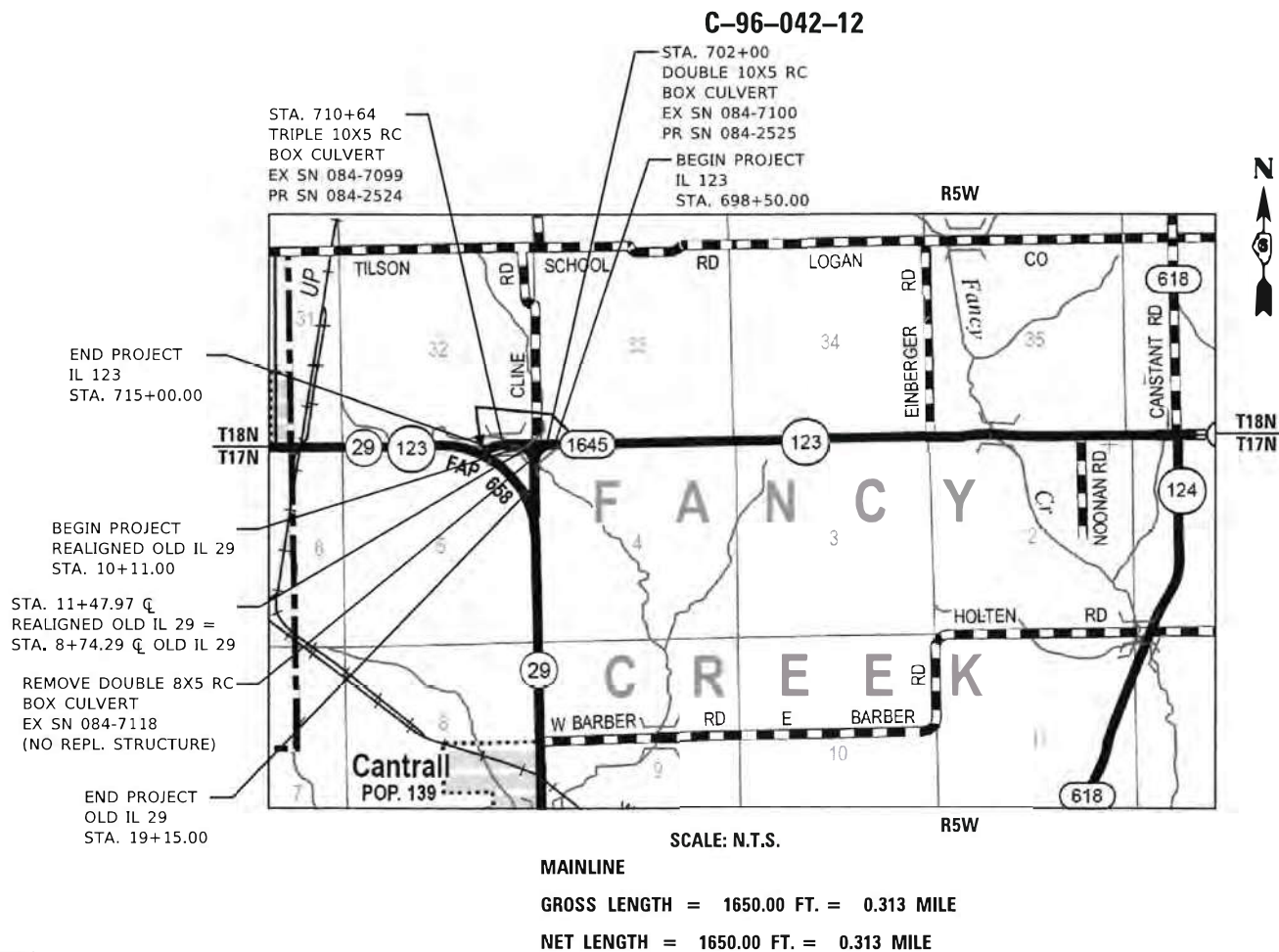


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: JAY WAVERING (217) 785-9046  
PROJECT MANAGER: MICHAEL WHITLING (217) 524-0239

CONTRACT NO. 72F27



PLANS PREPARED BY:



4940 Old Collinsville Road  
Swansea, Illinois 62226  
Tel: 618.624.4488  
www.twm-inc.com  
Illinois Professional Design Firm  
No. 184-001220  
License Expires: 04/30/2019  
ILLINOIS - MISSOURI - TENNESSEE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SUBMITTED August 4, 2020  
*Jay P. Myer* REGIONAL ENGINEER  
October 2, 2020  
*Jason A. Etkin* ENGINEER OF DESIGN AND ENVIRONMENT  
October 2, 2020  
*James J. ...* DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION



10-14-19  
*J. W. Stein*  
JOSHUA W. STEIN, PE  
LICENSE NO. 062-062775  
EXPIRATION DATE 11-30-2019

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OF THE STATE OF ILLINOIS

### GENERAL NOTES

- ALL ELEVATIONS SHOWN ON THE PLANS ARE BASED ON U.S.G.S. MEAN SEA LEVEL DATUM.
- THE CONTRACTOR SHALL BE AWARE THAT EXISTING CONCRETE PATCHES SHALL BE MILLED AS PART OF THE PROPOSED HMA SURFACE REMOVAL AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE MILLING OF THE CONCRETE.
- THE CONTRACTOR SHALL NOTIFY THE DISTRICT 6 BUREAU OF OPERATIONS AT (217) 782-7314 AT LEAST THREE WEEKS PRIOR TO IMPLEMENTING ANY TRAFFIC CONTROL.
- FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.
- THE CONTRACTOR SHALL NOTIFY THE DISTRICT 6 BUREAU OF OPERATIONS AT (217) 782-7314 AT LEAST 14 DAYS PRIOR TO PLACEMENT OF FINAL PAVEMENT MARKINGS.
- LAYOUT OF RIPRAP MAY BE VARIED IN THE FIELD TO SUIT GROUND CONDITIONS AS DIRECTED BY THE ENGINEER.
- THE PAVEMENT OVER EX SN 084-7099 CONSISTS OF A 26 FT. LONG REINFORCED CONCRETE, STRUCTURAL SLAB. THE REMOVAL OF THE SLAB WILL BE PAID FOR AS PAVEMENT REMOVAL.
- SURVEY ADJUSTMENT NAD 83/1997 ADJ.
- THE CONTRACTOR SHALL CONSTRUCT THE PRIVATE ENTRANCE 01 ONLY TO EXISTING ROW. CONSTRUCTION BEYOND THE EXISTING ROW SHALL BE CONSTRUCTED BY OTHERS.

### APPLICATION RATES

THE FOLLOWING RATES OF APPLICATION WERE UTILIZED TO CALCULATE CONTRACT QUANTITIES:

AGGREGATE BASE COURSE, TYPE A	1.80 TON/CY
AGGREGATE SURFACE COURSE, TYPE A	
SUBBASE GRANULAR MATERIAL, TYPE A	
GRANULAR CULVERT BACKFILL	1.80 TON/CY
TRENCH BACKFILL	
AGGREGATE BASE COURSE, TYPE B	1.60 TON/CY
AGGREGATE SURFACE COURSE, TYPE B	
SUBBASE GRANULAR MATERIAL, TYPE B	
AGGREGATE SHOULDERS, TYPE B	
BITUMINOUS MATERIALS FOR SURFACE TREATMENT	0.50 GAL/SY (0.002125 TON/SY)
BITUMINOUS MATERIALS FOR COVER COAT	0.45 GAL/SY (0.001913 TON/SY)
BITUMINOUS MATERIALS FOR SEAL COAT	0.40 GAL/SY (0.001700 TON/SY)
COVER SEAL AGGREGATE	25 LB/SY (0.0125 TON/SY)
SEAL COAT AGGREGATE	25 LB/SY (0.0125 TON/SY)
BITUMINOUS MATERIALS - TACK COAT (EX. HMA, MILLED SURFACE, CONCRETE, MILLED/TINED CONCRETE)	0.05 LB/SF
BITUMINOUS MATERIALS - TACK COAT (BETWEEN HMA LIFTS, IL 4.75, BRICK)	0.025 LB/SF
BITUMINOUS MATERIAL - PRIME COAT (AGGREGATE BASES)	0.25 LB/SF
HOT-MIX ASPHALT SURFACE/BINDER/BASE	0.056 TON/SY PER INCH
NITROGEN FERTILIZER NUTRIENT	90 LB/ACRE
PHOSPHOROUS FERTILIZER NUTRIENT	90 LB/ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LB/ACRE
AGRICULTURE GROUND LIMESTONE	2 TON/ACRE
MULCH	2 TON/ACRE
TEMPORARY EROSION CONTROL SEEDING	100 LB/ACRE

### HIGHWAY STANDARDS

000001-07	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
515001-04	NAME PLATE FOR BRIDGES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542401-03	METAL FLARED END SECTION FOR PIPE CULVERTS
602306-03	INLET - TYPE B
602601-06	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
604036-03	GRATE TYPE 8
666001-01	RIGHT OF WAY MARKERS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5m) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5m) TO 24" (600mm) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701201-05	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS - DAY ONLY
701901-08	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
BLR21-09	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
BLR22-7	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS (TWO-LANE TWO WAY RURAL TRAFFIC) (ROAD CLOSED TO THRU TRAFFIC)

<b>DISTRICT SIX</b>	
EXAMINED <u>10/1</u>	20 <u>19</u>
<b>OPERATIONS ENGINEER</b>	
EXAMINED <u>9-26</u>	20 <u>19</u>
<b>PROJECT IMPLEMENTATION ENGINEER</b>	
EXAMINED <u>October 9</u>	20 <u>19</u>
<b>PROGRAM DEVELOPMENT ENGINEER</b>	

### COMMITMENTS

TREES EQUAL TO OR GREATER THAN 3 INCHES IN DIAMETER SHALL NOT BE REMOVED BETWEEN APRIL 1 AND SEPTEMBER 30 OF ANY GIVEN YEAR.

### MIXTURE REQUIREMENTS

MIXTURE USE	SURFACE	BINDER	BASE & SHLDRS ≥2.25" & INCIDENTAL HMA - BOTTOM LIFT	SHOULDERS < 2.25" & INCIDENTAL HMA - TOP LIFT
AC/PG	PG 64-22	SBS 70-28 OR SBS 70-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ Ndes=50	4.0% @ Ndes=50	4.0% @ Ndes=50	4.0% @ Ndes=50
MIX COMPOSITION (GRADATION MIXTURE)	IL 9.5	IL - 4.75	IL 19.0	IL 9.5
FRICTION AGG	MIXTURE "C"	N/A	MIXTURE "C"	MIXTURE "C"
QUALITY MANAGEMENT PROGRAM	QC/QA	QC/QA	QC/QA	QC/QA

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USER NAME = whitlingme	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 2.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 7/23/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>GENERAL NOTES, HIGHWAY STANDARDS &amp; COMMITMENTS</b>	
SCALE:	SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	2
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

MODEL: Summary of Quantities  
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CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				PPS# 6-00949-0000	PPS# 6-00949-0000	PPS# 6-00949-0000	PPS# 6-00949-0000	PPS# 6-00949-0100	
				80%FED/20%STATE	80%FED/20%STATE	80%FED/20%STATE	80%FED/20%STATE	100% STATE	
				STP 0004 ROADWAY RURAL	STP 0010 SN 084-2524 RURAL	STP 0010 SN 084-2525 RURAL	STP 0010 SN 084-7118 RURAL	0005 ROADWAY RURAL	
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	488	164		108	210	6	
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	494	149		120	225		
20200100	EARTH EXCAVATION	CU YD	4645	4483				162	
20200500	EARTH EXCAVATION (WIDENING)	CU YD	160	160					
20300100	CHANNEL EXCAVATION	CU YD	1050	0		300	750		
20800150	TRENCH BACKFILL	CU YD	68	64				4	
25000200	SEEDING, CLASS 2	ACRE	3.4	3.3				0.1	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	294	291				3	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	294	291				3	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	294	291				3	
25000700	AGRICULTURAL GROUND LIMESTONE	POUND	6.6	6.5				0.1	
25100115	MULCH, METHOD 2	ACRE	3.4	3.3				0.1	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	650	646				4	
28000315	AGGREGATE DITCH CHECKS	TON	300	285				15	

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PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 5/11/2020	DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	3
CONTRACT NO. 72F27			ILLINOIS FED. AID PROJECT	

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				PPS# 6-00949-0000 80%FED/20%STATE STP 0004 ROADWAY RURAL	PPS# 6-00949-0000 80%FED/20%STATE STP 0010 SN 084-2524 RURAL	PPS# 6-00949-0000 80%FED/20%STATE STP 0010 SN 084-2525 RURAL	PPS# 6-00949-0000 80%FED/20%STATE STP 0010 SN 084-7118 RURAL	PPS# 6-00949-0100 100% STATE 0005 ROADWAY RURAL
28000400	PERIMETER EROSION BARRIER	FOOT	692	407.5				284.5
28000500	INLET AND PIPE PROTECTION	EACH	9	8				1
28100107	STONE RIPRAP, CLASS A4	SQ YD	713	713				
28200200	FILTER FABRIC	SQ YD	713	713				
35101400	AGGREGATE BASE COURSE, TYPE B	TON	2068	1524				544
35600707	HOT-MIX ASPHALT BASE COURSE WIDENING, 7 3/4"	SQ YD	197	197				
40300200	BITUMINOUS MATERIALS (PRIME COAT)	TON	6	0				6
40300400	BITUMINOUS MATERIALS (COVER AND SEAL COATS)	TON	10	0				10
40300500	COVER COAT AGGREGATE	TON	32	0				32
40300600	SEAL COAT AGGREGATE	TON	32	0				32
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	5107	5107				
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	2616	2616				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	249	249				

MODEL Summary of Quantities  
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PLOT DATE = 5/11/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	4
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

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CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE					
				PPS# 6-00949-0000	PPS# 6-00949-0000	PPS# 6-00949-0000	PPS# 6-00949-0000	PPS# 6-00949-0100	
				80%FED/20%STATE	80%FED/20%STATE	80%FED/20%STATE	80%FED/20%STATE	100% STATE	
				STP 0004 ROADWAY RURAL	STP 0010 SN 084-2524 RURAL	STP 0010 SN 084-2525 RURAL	STP 0010 SN 084-7118 RURAL		0005 ROADWAY RURAL
40603200	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	TON	199	199					
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL - 9.5, MIX "C", N50	TON	398	398					
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	47	47					
44000100	PAVEMENT REMOVAL	SQ YD	1618	1370			248		
44000152	HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"	SQ YD	1679	1679					
44000400	GUTTER REMOVAL	FOOT	1213	672			101		440
44004250	PAVED SHOULDER REMOVAL	SQ YD	170	170					
48101200	AGGREGATE SHOULDERS, TYPE B	TON	174	174					
48203020	HOT-MIX ASPHALT SHOULDERS, 5 3/4"	SQ YD	1385	1385					
48203100	HOT-MIX ASPHALT SHOULDERS	TON	201	201					
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1	0	1				
50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1	0		1			
50100500	REMOVAL OF EXISTING STRUCTURES NO. 3	EACH	1	0			1		
50105220	PIPE CULVERT REMOVAL	FOOT	93	32			30		31

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SUMMARY OF QUANTITIES			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	5
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				PPS# 6-00949-0000	PPS# 6-00949-0000	PPS# 6-00949-0000	PPS# 6-00949-0000	PPS# 6-00949-0100
				80%FED/20%STATE	80%FED/20%STATE	80%FED/20%STATE	80%FED/20%STATE	100% STATE
				STP	STP	STP	STP	0005
				0004	0010	0010	0010	ROADWAY
				ROADWAY	SN 084-2524	SN 084-2525	SN 084-7118	RURAL
				RURAL	RURAL	RURAL	RURAL	RURAL
51500100	NAME PLATES	EACH	2	0	1	1		
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2	0	2			
54001002	BOX CULVERT END SECTIONS, CULVERT NO. 2	EACH	2	0		2		
54011005	PRECAST CONCRETE BOX CULVERTS 10' X 5'	FOOT	295	0	177	118		
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1	1				
54262715	METAL FLARED END SECTIONS 15"	EACH	2	2				0
54262718	METAL FLARED END SECTIONS 18"	EACH	8	8				
54262724	METAL FLARED END SECTIONS 24"	EACH	2	2				
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	90	38				52
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	184	184				
542D1069	PIPE CULVERTS, CLASS D, TYPE 2 24"	FOOT	64	64				
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	60	60				
55100500	STORM SEWER REMOVAL 12"	FOOT	40	20				20

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1645	(B) CR	SANGAMON	119	6
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CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				PPS# 6-00949-0000 80%FED/20%STATE STP 0004 ROADWAY RURAL	PPS# 6-00949-0000 80%FED/20%STATE STP 0010 SN 084-2524 RURAL	PPS# 6-00949-0000 80%FED/20%STATE STP 0010 SN 084-2525 RURAL	PPS# 6-00949-0000 80%FED/20%STATE STP 0010 SN 084-7118 RURAL	PPS# 6-00949-0100 100% STATE 0005 ROADWAY RURAL
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	421	0	250	171		
60240301	INLETS, TYPE B, TYPE 8 GRATE	EACH	1	1				
60500060	REMOVING INLETS	EACH	2	1				1
61100500	EXPLORATION TRENCH 52" DEPTH	FOOT	100	100				
61100605	MISCELLANEOUS CONCRETE	CU YD	1.3	1.3				
61101013	STORM SEWERS PROTECTED, CLASS A, 12"	FOOT	145	145				
61133200	FIELD TILE JUNCTION VAULTS, 3' DIA.	EACH	2	2				
61140200	STORM SEWERS (SPECIAL), 12"	FOOT	25	25				
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	18	18				
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	2	2				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12				
67100100	MOBILIZATION	L SUM	1	1				
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1				
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1				

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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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MODEL Summary of Quantities  
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CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				PPS# 6-00949-0000 80%FED/20%STATE STP 0004 ROADWAY RURAL	PPS# 6-00949-0000 80%FED/20%STATE STP 0010 SN 084-2524 RURAL	PPS# 6-00949-0000 80%FED/20%STATE STP 0010 SN 084-2525 RURAL	PPS# 6-00949-0000 80%FED/20%STATE STP 0010 SN 084-7118 RURAL	PPS# 6-00949-0100 100% STATE 0005 ROADWAY RURAL
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	165	165				
70300100	SHORT TERM PAVEMENT MARKING	FOOT	660	660				
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	55	55				
* 72000100	SIGN PANEL - TYPE 1	SQ FT	13	13				
72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	19	19				
* 72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	16	16				
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	282	282				
* 78001120	PAINT PAVEMENT MARKING - LINE 5"	FOOT	6182	6182				
* 78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	42	42				
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	21	21				
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	10	10				
Z0004638	PAVEMENT BREAKING	SQ YD	1126	1126				
Z0016702	DETOUR SIGNING	L SUM	1	1				

**\* SPECIALTY ITEM**

USER NAME = whitlingme	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 5/11/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SUMMARY OF QUANTITIES**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	8
			CONTRACT NO. 72F27	
		ILLINOIS	FED. AID PROJECT	



MODEL: Summary of Quantities  
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CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE				
				PPS# 6-00949-0000 80%FED/20%STATE STP 0004 ROADWAY RURAL	PPS# 6-00949-0000 80%FED/20%STATE STP 0010 SN 084-2524 RURAL	PPS# 6-00949-0000 80%FED/20%STATE STP 0010 SN 084-2525 RURAL	PPS# 6-00949-0000 80%FED/20%STATE STP 0010 SN 084-7118 RURAL	PPS# 6-00949-0100 100% STATE 0005 ROADWAY RURAL
Z0023602	GRANULAR CULVERT BACKFILL	CU YD	372	0	99	273		
Z0033700	LONGITUDINAL JOINT SEALANT	FOOT	1834	1834				
* Z0054406	ROCK FILL - FOUNDATION	CU YD	87	0		87		
X0900064	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SQ YD	421	0	250	171		
X3550015	HOT-MIX ASPHALT BASE COURSE, (VARIABLE DEPTH)	TON	1035	1035				
X6650202	WOVEN WIRE FENCE REMOVAL	FOOT	700	700				
X7011800	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 21	L SUM	1	1				
X7011801	TRAFFIC CONTROL AND PROTECTION, STANDARD BLR 22	L SUM	1	1				
∅ Z0076600	TRAINEES	HOUR	1500	1500				
∅ Z0076604	TRAINEES TRAINING PROGRAM GRADUATE	HOUR	1500	1500				

\* SPECIALTY ITEM      ∅ 0042

REV. - MS

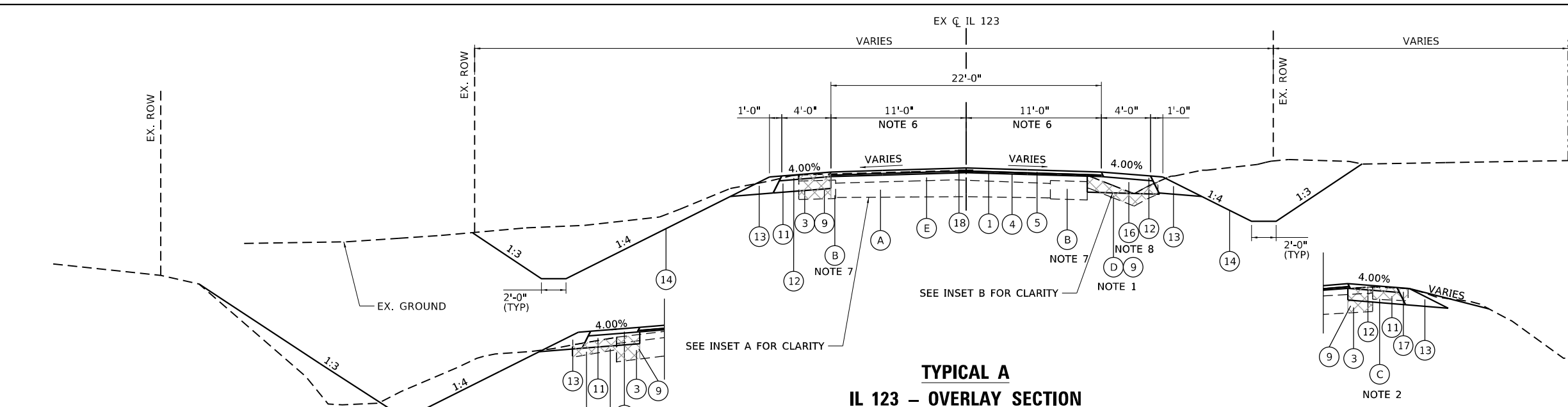
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	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 5/11/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

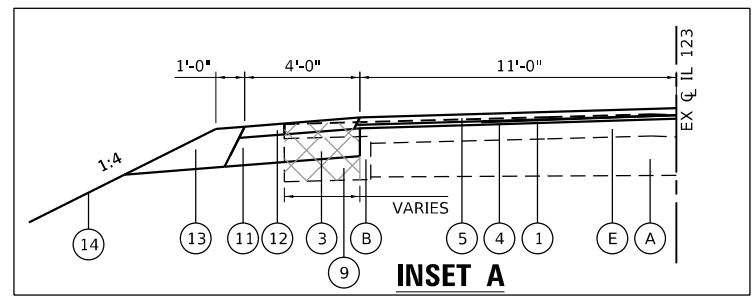
SUMMARY OF QUANTITIES			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	9
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

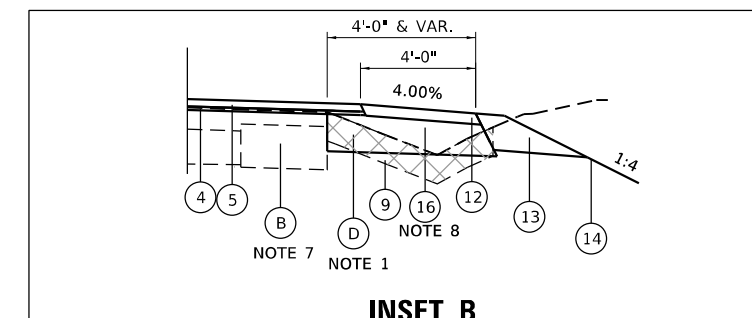
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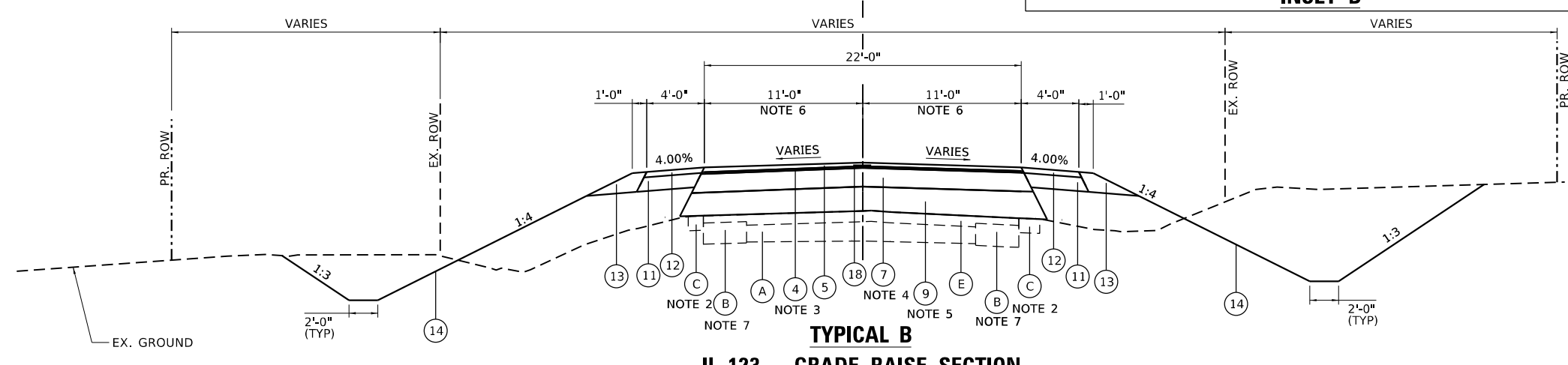
**TYPICAL A**  
**IL 123 - OVERLAY SECTION**  
 STA. 698+50.00 TO STA. 701+82.00  
 STA. 702+33.00 TO STA. 705+70.00  
 STA. 714+29.00 TO STA. 715+00.00



**INSET A**



**INSET B**



**TYPICAL B**  
**IL 123 - GRADE RAISE SECTION**  
 STA. 705+70.00 TO STA. 710+44.00  
 STA. 710+86.00 TO STA. 714+29.00

**IL 123 CROSS SLOPE TABLE**

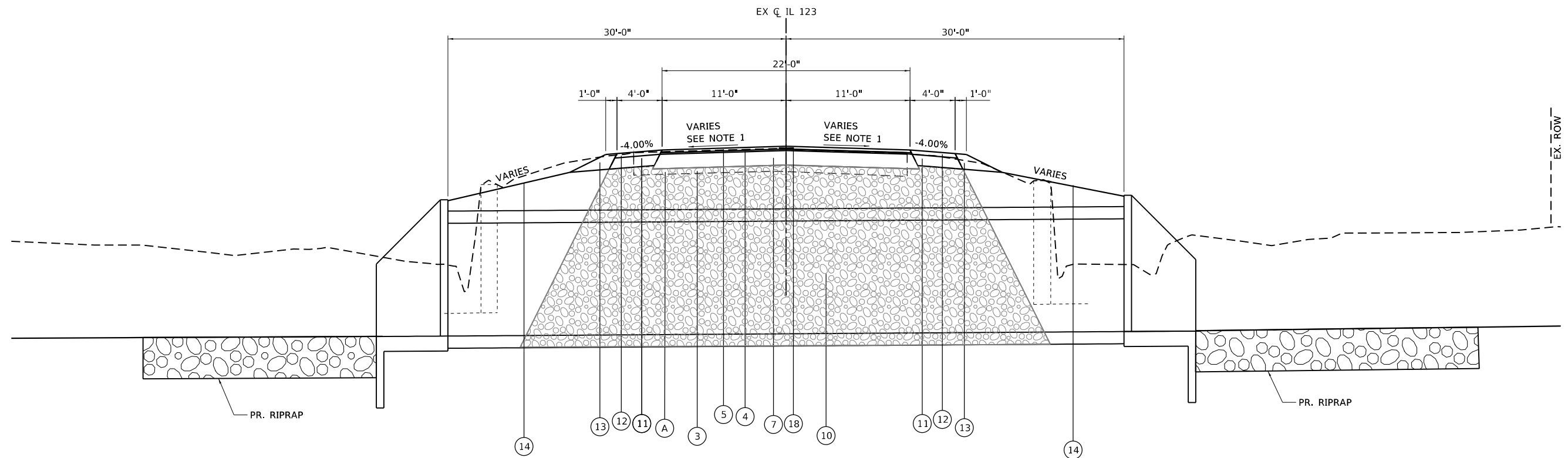
715+00.00	MATCH EXISTING	4.00%	MATCH EXISTING	4.00%
711+04.54		4.00%		1.50%
710+40.45		1.50%		0.00%
710+01.99		1.50%		1.50%
709+63.54		1.50%		1.50%
701+00.00		1.50%		1.50%

CL AND PGL

- NOTE:**
- EX. CONC. GUTTER (TBR)  
 STA. 703+29.04 TO STA. 708+32.06, RT  
 BACKFILL VOID WITH AGG BSE CSE, TY B
  - EX. HMA SHOULDER (TBR)  
 STA. 712+45.25 TO STA. 715+00.00, RT  
 STA. 712+45.25 TO STA. 715+00.00, LT
  - PR. VARIABLE LEVELING BINDER  
 STA. 705+70.00 TO STA. 705+92.00  
 STA. 714+21.00 TO STA. 714+29.00
  - PR. VARIABLE HMA BASE COURSE  
 STA. 705+92.00 TO STA. 706+75.00  
 STA. 713+06.00 TO STA. 714+21.00
  - PR. VARIABLE AGGREGATE BASE COURSE  
 STA. 706+75.00 TO STA. 710+44.00  
 STA. 710+86.00 TO STA. 713+06.00
  - PR. VARIABLE LANE WIDTH  
 STA. 713+00.00 (11'-0") TO  
 STA. 715+00.00 (13'-4")
  - EX. WIDENING WIDTH  
 STA. 698+50.00 TO STA. 711+00.00 (3'-0")  
 STA. 711+00.00 (3'-0") TO  
 STA. 713+00.00 (1'-0")  
 STA. 713+00.00 TO STA. 715+00.00 (0'-0")
  - PR. VARIABLE WIDTH BASE CSE WIDENING  
 STA. 702+90 RT TO STA. 706+50 RT

**TYPICAL SECTION LEGEND**

(A) EXISTING PCC PAVEMENT (7-8-7)	(1) PROPOSED HMA SURFACE REMOVAL, 3/4"	(10) PROPOSED GRANULAR CULVERT BACKFILL, VARIABLE DEPTH
(B) EXISTING HMA BASE COURSE WIDENING, 9"	(2) RESERVED	(11) PROPOSED HMA SHOULDER, 5 3/4"
(C) EXISTING HMA SHOULDERS, 8"	(3) PROPOSED PAVEMENT REMOVAL	(12) PROPOSED HMA SHOULDER, 2 1/4"
(D) EXISTING CONCRETE GUTTER, TY A	(3A) PROPOSED PAVEMENT BREAKING	(13) PROPOSED AGGREGATE SHOULDER, TY B
(E) EXISTING HMA OVERLAY	(4) PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4"	(14) PROPOSED SEEDING, CL 2
(F) EXISTING OIL & CHIP	(5) PROPOSED HMA SURFACE COURSE, IL-9.5, MIX "C", N50, 1 1/2"	(15) PROPOSED CHANNEL EXCAVATION
(G)	(6) PROPOSED HMA BASE COURSE, (5 3/4")	(16) PROPOSED BASE COURSE WIDENING, 7 3/4"
(H)	(7) PROPOSED HMA BASE COURSE, VARIABLE DEPTH (3/4" TO 7 3/4")	(17) PROPOSED PAVED SHOULDER REMOVAL
(I)	(8) PROPOSED AGGREGATE BASE COURSE, TY B, 4"	(18) PROPOSED LONGITUDINAL JOINT SEALANT
(J)	(9) PROPOSED AGGREGATE BASE COURSE, TY B, VARIABLE DEPTH	(19) PROPOSED BITUMINOUS SURFACE TREATMENT, TYPE A-2



**TYPICAL C**  
**IL 123 – CULVERT SECTION**

STA. 701+82.00 TO STA. 702+33.00 (PR. SN. 084-2525)  
STA. 710+44.00 TO STA. 710+86.00 (PR. SN. 084-2524)

NOTE:  
1. SEE IL 123 CROSS SLOPE TABLE  
2. SEE DETAILS FOR ADDITIONAL INFORMATION

**TYPICAL SECTION LEGEND**

- |   |  |   |
|---|--|---|
| (A) EXISTING PCC PAVEMENT (7-8-7)         | (1) PROPOSED HMA SURFACE REMOVAL, 3/4"                         | (10) PROPOSED GRANULAR CULVERT BACKFILL, VARIABLE DEPTH |
| (B) EXISTING HMA BASE COURSE WIDENING, 9" | (2) RESERVED   | (11) PROPOSED HMA SHOULDER, 5 3/4"                      |
| (C) EXISTING HMA SHOULDERS, 8"            | (3) PROPOSED PAVEMENT REMOVAL                                  | (12) PROPOSED HMA SHOULDER, 2 1/4"                      |
| (D) EXISTING CONCRETE GUTTER, TY A        | (3A) PROPOSED PAVEMENT BREAKING                                | (13) PROPOSED AGGREGATE SHOULDER, TY B                  |
| (E) EXISTING HMA OVERLAY                  | (4) PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4" | (14) PROPOSED SEEDING, CL 2                             |
| (F) EXISTING OIL & CHIP                   | (5) PROPOSED HMA SURFACE COURSE, IL-9.5, MIX "C", N50, 1 1/2"  | (15) PROPOSED CHANNEL EXCAVATION                        |
| (G)                                       | (6) PROPOSED HMA BASE COURSE, (5 3/4")                         | (16) PROPOSED BASE COURSE WIDENING, 7 3/4"              |
| (H)                                       | (7) PROPOSED HMA BASE COURSE, VARIABLE DEPTH (3/4" TO 7 3/4")  | (17) PROPOSED PAVED SHOULDER REMOVAL                    |
| (I)                                       | (8) PROPOSED AGGREGATE BASE COURSE, TY B, 4"                   | (18) PROPOSED LONGITUDINAL JOINT SEALANT                |
| (J)                                       | (9) PROPOSED AGGREGATE BASE COURSE, TY B, VARIABLE DEPTH       | (19) PROPOSED BITUMINOUS SURFACE TREATMENT, TYPE A-2    |

MODEL: h-p-02  
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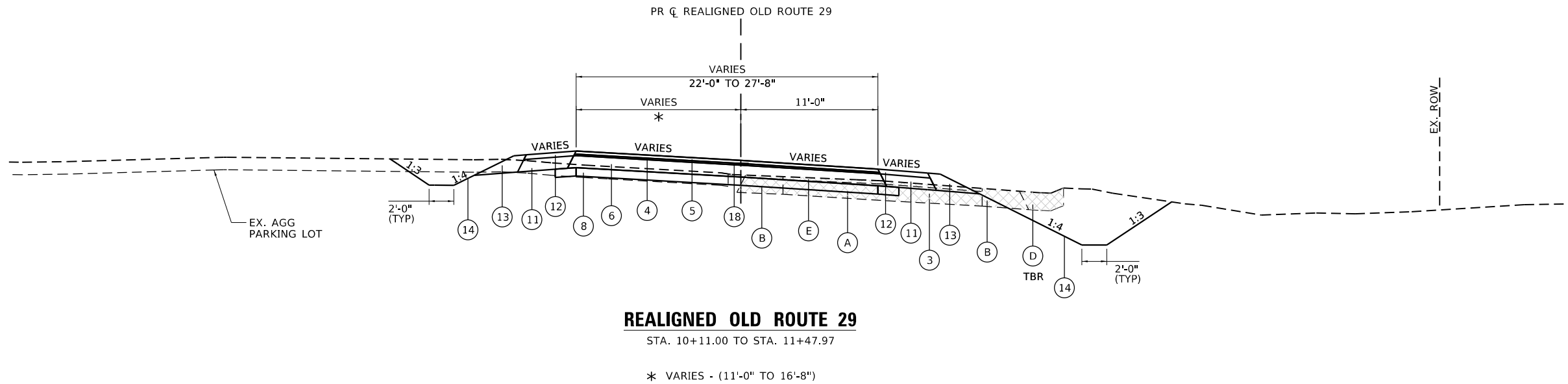
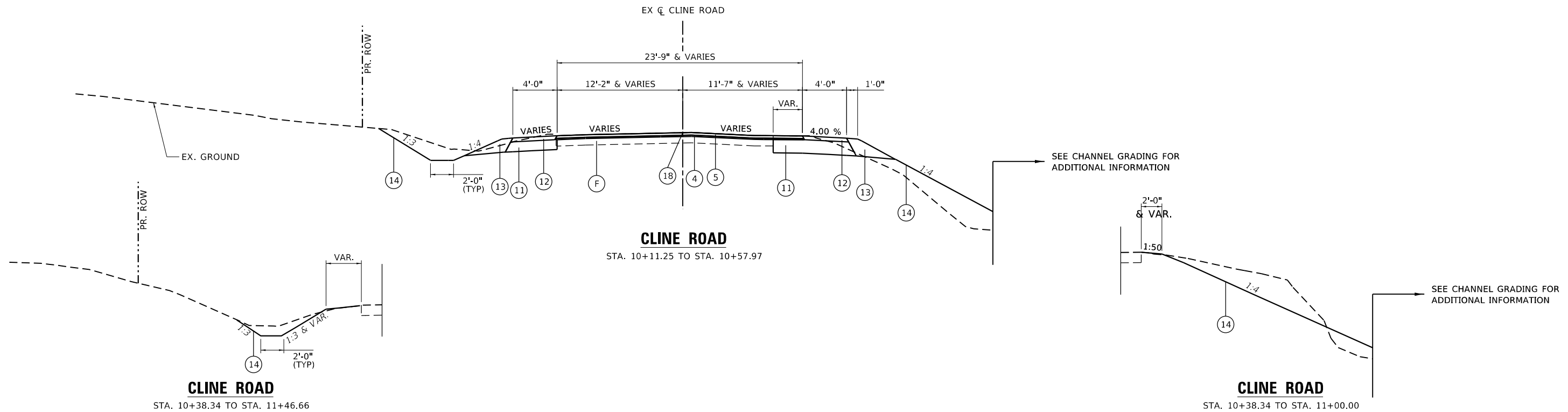


USER NAME = whitlingme	DESIGNED - MLS	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - MLS	REVISED -
PLOT DATE = 5/7/2020	CHECKED - JWS	REVISED -
	DATE - MAR 2019	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>TYPICAL SECTIONS</b>		F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
<b>IL 123 CULVERTS</b>		1645	(B) CR	SANGAMON	119	11
SCALE: NTS	SHEET 2 OF 5 SHEETS	STA.	TO STA.		CONTRACT NO. 72F27	

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	11
ILLINOIS FED. AID PROJECT				



**TYPICAL SECTION LEGEND**

- |   |  |   |
|---|--|---|
| (A) EXISTING PCC PAVEMENT (7-8-7)         | (1) PROPOSED HMA SURFACE REMOVAL, 3/4"                         | (10) PROPOSED GRANULAR CULVERT BACKFILL, VARIABLE DEPTH |
| (B) EXISTING HMA BASE COURSE WIDENING, 9" | (2) RESERVED   | (11) PROPOSED HMA SHOULDER, 5 3/4"                      |
| (C) EXISTING HMA SHOULDERS, 8"            | (3) PROPOSED PAVEMENT REMOVAL                                  | (12) PROPOSED HMA SHOULDER, 2 1/4"                      |
| (D) EXISTING CONCRETE GUTTER, TY A        | (3A) PROPOSED PAVEMENT BREAKING                                | (13) PROPOSED AGGREGATE SHOULDER, TY B                  |
| (E) EXISTING HMA OVERLAY                  | (4) PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4" | (14) PROPOSED SEEDING, CL 2                             |
| (F) EXISTING OIL & CHIP                   | (5) PROPOSED HMA SURFACE COURSE, IL-9.5, MIX "C", N50, 1 1/2"  | (15) PROPOSED CHANNEL EXCAVATION                        |
| (G)                                       | (6) PROPOSED HMA BASE COURSE, (5 3/4")                         | (16) PROPOSED BASE COURSE WIDENING, 7 3/4"              |
| (H)                                       | (7) PROPOSED HMA BASE COURSE, VARIABLE DEPTH (3/4" TO 7 3/4")  | (17) PROPOSED PAVED SHOULDER REMOVAL                    |
| (I)                                       | (8) PROPOSED AGGREGATE BASE COURSE, TY B, 4"                   | (18) PROPOSED LONGITUDINAL JOINT SEALANT                |
| (J)                                       | (9) PROPOSED AGGREGATE BASE COURSE, TY B, VARIABLE DEPTH       | (19) PROPOSED BITUMINOUS SURFACE TREATMENT, TYPE A-2    |

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 DATE: 5/7/2020

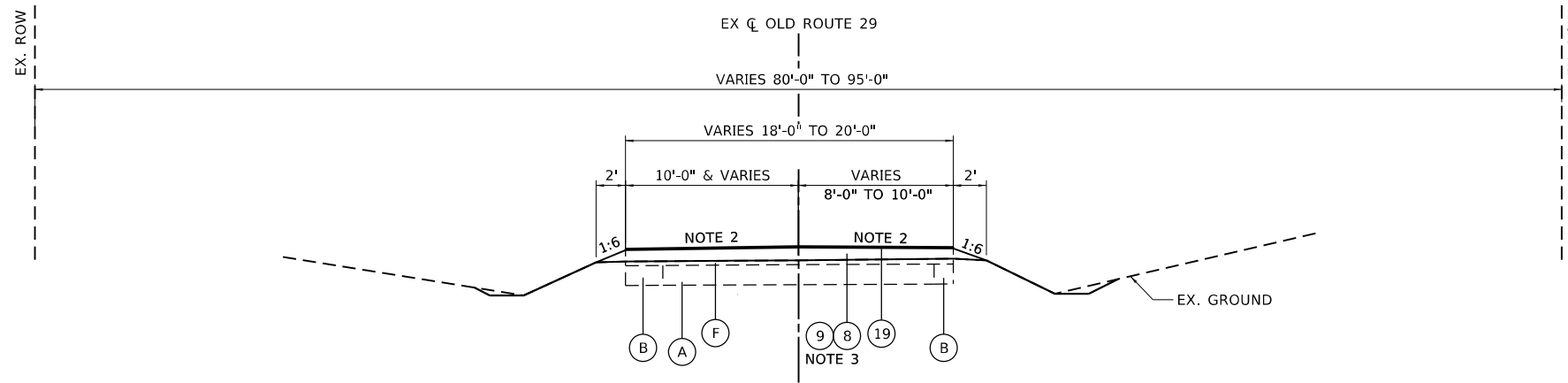


USER NAME = whitlingme	DESIGNED - MLS	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - MLS	REVISED -
PLOT DATE = 5/7/2020	CHECKED - JWS	REVISED -
	DATE - MAR 2019	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>TYPICAL SECTIONS</b>			
<b>REALIGNED OLD ROUTE 29 &amp; CLINE RD</b>			
SCALE: NTS	SHEET 3 OF 5 SHEETS	STA. TO STA.	

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	12
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

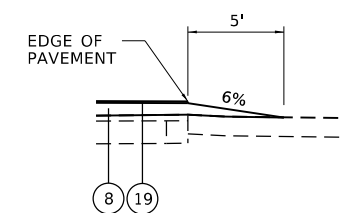


**OLD ROUTE 29 – OVERLAY SECTION**

(WEST) STA. 8+74.29 TO STA. 12+93.28  
(COMBINED) STA. 12+93.28 TO STA. 19+15.00

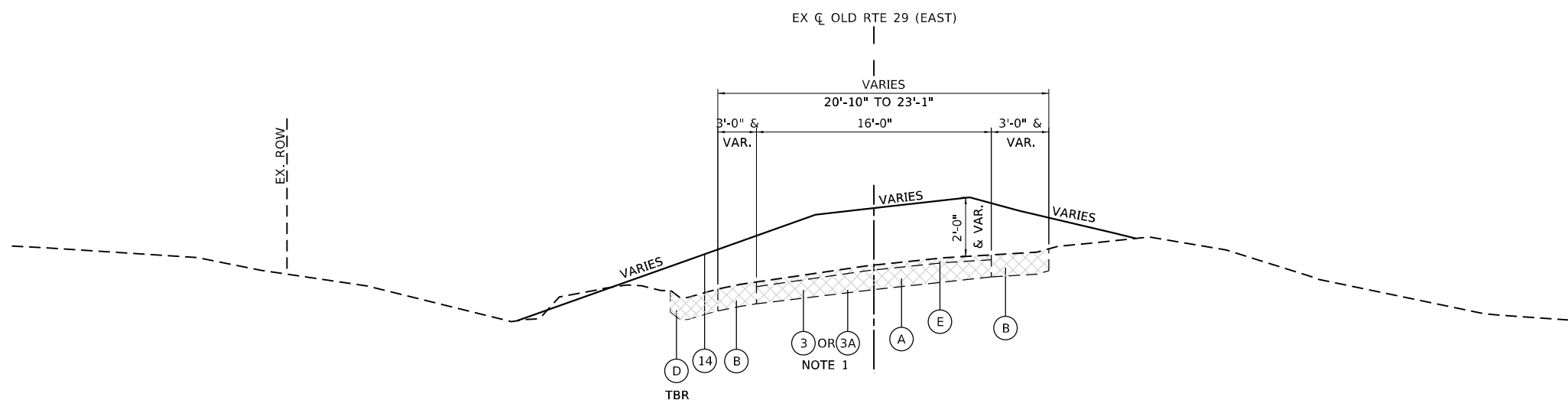
**OLD ROUTE 29 – OVERLAY SECTION**

AT EXISTING GUTTER  
STA. 8+74.29 TO STA. 13+18.00



**OLD ROUTE 29 – OVERLAY SECTION**

AT EXISTING ENTRANCES



**OLD ROUTE 29 (EAST)**

STA. 6+75.82 TO STA. 12+93.28

- NOTE:
- SEE REMOVAL PLAN FOR ADDITIONAL INFORMATION.
  - PR. AGG BASE CSE TY B, VARIABLE DEPTH  
STA. 8+74.29 TO STA. 10+24.29  
PR. AGG BASE CSE TY B, 4"  
STA. 10+24.29 TO STA. 19+15.00
  - MATCH INTERSECTION DETAIL SLOPES  
STA. 8+74.29 TO STA. 10+24.29  
MATCH EXISTING SLOPE  
STA. 10+24.29 TO STA. 19+15.00

**TYPICAL SECTION LEGEND**

- |   |  |   |
|---|--|---|
| (A) EXISTING PCC PAVEMENT (7-8-7)         | (1) PROPOSED HMA SURFACE REMOVAL, 3/4"                         | (10) PROPOSED GRANULAR CULVERT BACKFILL, VARIABLE DEPTH |
| (B) EXISTING HMA BASE COURSE WIDENING, 9" | (2) RESERVED   | (11) PROPOSED HMA SHOULDER, 5 3/4"                      |
| (C) EXISTING HMA SHOULDERS, 8"            | (3) PROPOSED PAVEMENT REMOVAL                                  | (12) PROPOSED HMA SHOULDER, 2 1/4"                      |
| (D) EXISTING CONCRETE GUTTER, TY A        | (3A) PROPOSED PAVEMENT BREAKING                                | (13) PROPOSED AGGREGATE SHOULDER, TY B                  |
| (E) EXISTING HMA OVERLAY                  | (4) PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4" | (14) PROPOSED SEEDING, CL 2                             |
| (F) EXISTING OIL & CHIP                   | (5) PROPOSED HMA SURFACE COURSE, IL-9.5, MIX "C", N50, 1 1/2"  | (15) PROPOSED CHANNEL EXCAVATION                        |
| (G)                                       | (6) PROPOSED HMA BASE COURSE, (5 3/4")                         | (16) PROPOSED BASE COURSE WIDENING, 7 3/4"              |
| (H)                                       | (7) PROPOSED HMA BASE COURSE, VARIABLE DEPTH (3/4" TO 7 3/4")  | (17) PROPOSED PAVED SHOULDER REMOVAL                    |
| (I)                                       | (8) PROPOSED AGGREGATE BASE COURSE, TY B, 4"                   | (18) PROPOSED LONGITUDINAL JOINT SEALANT                |
| (J)                                       | (9) PROPOSED AGGREGATE BASE COURSE, TY B, VARIABLE DEPTH       | (19) PROPOSED BITUMINOUS SURFACE TREATMENT, TYPE A-2    |



USER NAME = whitlingme	DESIGNED - MLS	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - MLS	REVISED -
PLOT DATE = 5/7/2020	CHECKED - JWS	REVISED -
	DATE - MAR 2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

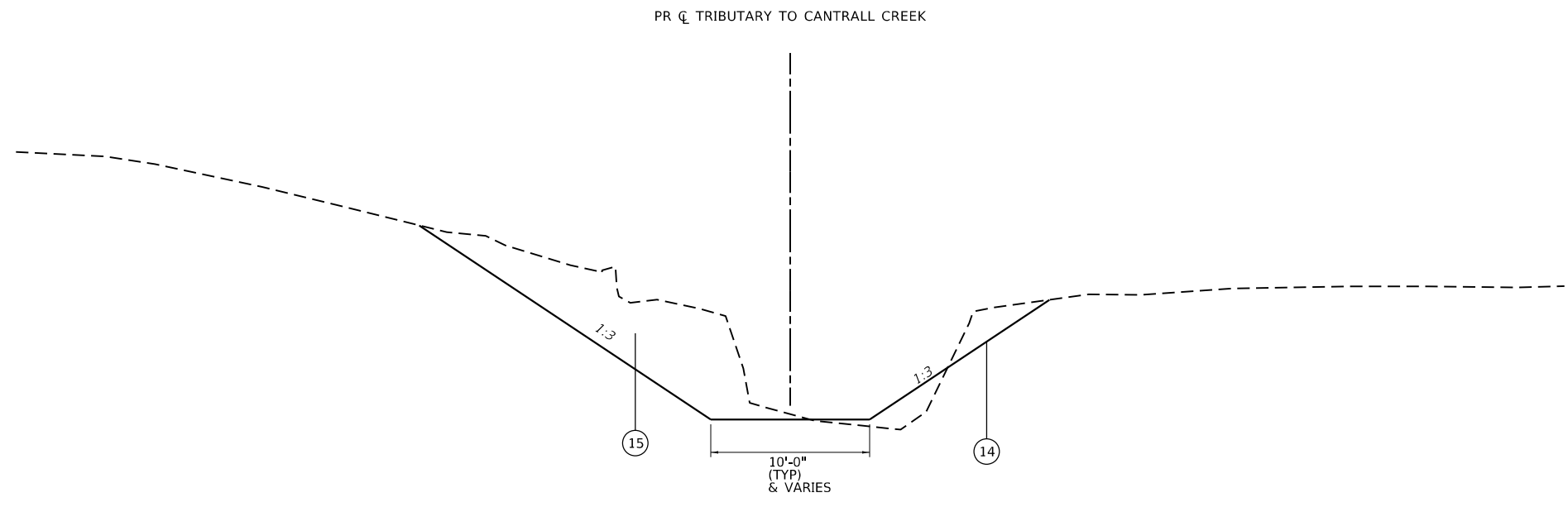
**TYPICAL SECTIONS  
OLD ROUTE 29**

SCALE: NTS SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	13
			CONTRACT NO. 72F27	
			ILLINOIS FED. AID PROJECT	

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### CHANNEL GRADING

NORTH SECTION STA. 0+31.70 TO STA. 1+04.32  
SOUTH SECTION STA. 1+78.47 TO STA. 3+92.89

### TYPICAL SECTION LEGEND

- |   |  |  |
|---|--|--|
| Ⓐ EXISTING PCC PAVEMENT (7-8-7)         | ① PROPOSED HMA SURFACE REMOVAL, 3/4"                         | ⑩ PROPOSED GRANULAR CULVERT BACKFILL, VARIABLE DEPTH |
| Ⓑ EXISTING HMA BASE COURSE WIDENING, 9" | ② RESERVED   | ⑪ PROPOSED HMA SHOULDER, 5 3/4"                      |
| Ⓒ EXISTING HMA SHOULDERS, 8"            | ③ PROPOSED PAVEMENT REMOVAL                                  | ⑫ PROPOSED HMA SHOULDER, 2 1/4"                      |
| Ⓓ EXISTING CONCRETE GUTTER, TY A        | ③A PROPOSED PAVEMENT BREAKING                                | ⑬ PROPOSED AGGREGATE SHOULDER, TY B                  |
| Ⓔ EXISTING HMA OVERLAY                  | ④ PROPOSED POLYMERIZED HMA BINDER COURSE, IL-4.75, N50, 3/4" | ⑭ PROPOSED SEEDING, CL 2                             |
| Ⓕ EXISTING OIL & CHIP                   | ⑤ PROPOSED HMA SURFACE COURSE, IL-9.5, MIX "C", N50, 1 1/2"  | ⑮ PROPOSED CHANNEL EXCAVATION                        |
| Ⓖ                                       | ⑥ PROPOSED HMA BASE COURSE, (5 3/4")                         | ⑯ PROPOSED BASE COURSE WIDENING, 7 3/4"              |
| Ⓗ                                       | ⑦ PROPOSED HMA BASE COURSE, VARIABLE DEPTH (3/4" TO 7 3/4")  | ⑰ PROPOSED PAVED SHOULDER REMOVAL                    |
| Ⓘ                                       | ⑧ PROPOSED AGGREGATE BASE COURSE, TY B, 4"                   | ⑱ PROPOSED LONGITUDINAL JOINT SEALANT                |
| Ⓝ                                       | ⑨ PROPOSED AGGREGATE BASE COURSE, TY B, VARIABLE DEPTH       | ⑲ PROPOSED BITUMINOUS SURFACE TREATMENT, TYPE A-2    |



USER NAME = whitlingme	DESIGNED - MLS	REVISED -
DRAWN - MLS	DRAWN - MLS	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - JWS	REVISED -
PLOT DATE = 5/7/2020	DATE - MAR 2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>TYPICAL SECTIONS CHANNEL GRADING</b>				
SCALE: NTS	SHEET 5	OF 5	SHEETS	STA. TO STA.

F.A.S. RTE. 1645	SECTION (B) CR	COUNTY SANGAMON	TOTAL SHEETS 119	SHEET NO. 14
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

TREE REMOVAL SCHEDULE				
LOCATION			TREE REMOVAL	
STA.	OFFSET		(6 TO 15)	(OVER 15)
			UNIT	UNIT
<b>IL 123</b>				
698+22.33	32.15	RT	8	
698+46.94	29.19	RT	12	
699+01.44	28.84	RT		18
699+09.32	29.81	RT		16
699+31.05	30.83	RT		18
700+25.39	30.37	RT	8	
700+34.71	30.33	RT	7	
700+50.80	31.26	RT	10	
700+89.38	31.3	RT	13	
700+91.15	31.04	RT	10	
700+96.25	29.11	RT		16
701+21.21	29.77	RT	15	
701+22.85	29.85	RT	13	
702+05.21	31.66	RT	7	
702+51.07	24.65	LT		26
<b>CHANNEL</b>				
			15	25
			15	25
0+32 TO 0+90 (SEE NOTE 2)			15	25
			15	
			15	
1+96.99	2.2	RT	7	
2+16.09	4.08	LT	12	
2+18.83	29.6	RT	8	
2+27.22	0.88	RT		16
2+32.59	28.99	RT		36
2+40.65	10.33	LT		31
2+56.28	8.01	LT		17
2+54.88	5.64	LT	9	
2+57.03	11.89	RT	15	
2+57.47	6.88	LT	11	
2+65.81	30.35	LT	15	
2+73.94	10.79	LT	9	
2+82.08	22.14	RT	6	
2+83.04	19.64	RT		18
2+86.07	24.66	RT	13	
2+86.59	17.37	RT		20
2+88.89	19.7	RT	10	
3+12.86	48	LT	15	
3+47.41	15.9	LT	13	
3+49.20	14.59	LT	14	
3+59.56	25.44	LT		20
3+62.09	12.28	LT		17
3+64.15	12.78	LT	7	
3+64.35	24.34	LT		25
3+68.35	18.55	LT	10	
3+71.66	15.11	LT	10	
3+76.39	7.51	RT	15	
3+77.50	16.58	LT		18
3+80.34	11.29	LT	9	
<b>OLD ROUTE 29</b>				
15+75.05	29.20	RT	6	
<b>ADD 20%</b>				
<b>SEE NOTE 1</b>			81	82
<b>TOTAL :</b>			<b>488</b>	<b>494</b>

EARTHWORK SCHEDULE										
LOCATION					CHANNEL EXCAVATION	EARTH EXCAVATION	EARTH EXCAVATION (WIDENING)	FOR INFORMATION ONLY		
LOCATION	STA.	TO	STA.	NOTES	CU YD	CU YD	CU YD	EARTH EXCAVATION ADJUSTED FOR 25% SHRINKAGE	EMBANKMENT	BALANCE WASTE (+) SHORTAGE (-)
LOCATION	STA.	TO	STA.	NOTES	CU YD	CU YD	CU YD	CU YD	CU YD	CU YD
IL 123	698+00.00	TO	715+00.00			4243	162	3304	1416	1888
IL 29	10+31.36	TO	11+47.97			176		132	126	6
OLD IL 29 - WEST	8+74.29	TO	13+18.00			103		77	225	-148
CLINE RD	10+25.00	TO	11+46.66			64		48	6	42
CHANNEL	+30.00	TO	1+10.00		311			0	4	-4
CHANNEL	1+75.00	TO	3+92.89		742			0	70	-70
OLD IL 29 - EAST	7+00.00	TO	11+50.00					0	482	-482
OLD IL 29 - SOUTH PE	15+88.79			ENTRANCE		59		44	5	-39
<b>TOTAL :</b>					<b>1053</b>	<b>4645</b>	<b>162</b>	<b>3605</b>	<b>2334</b>	<b>1193</b>
<b>PAY TOTAL :</b>					<b>1050</b>	<b>4645</b>	<b>160</b>			

SEEDING SCHEDULE										
LOCATION				SEEDING CLASS 2	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	AGRICULTURAL GROUND LIMESTONE	MULCH METHOD 2	TEMPORARY EROSION CONTROL SEEDING
STA.	TO	STA.	ACRE	POUND	POUND	POUND	TON	ACRE	POUND	
<b>IL 123</b>										
698+00.00	TO	715+00.00	1.272	114.5	114.5	114.5	2.6	1.272	254.4	
698+00.00	TO	715+00.00	1.372	123.5	123.5	123.5	2.8	1.372	274.4	
<b>SUB-TOTAL :</b>				<b>2.644</b>	<b>238.0</b>	<b>238.0</b>	<b>5.4</b>	<b>2.644</b>	<b>528.8</b>	
<b>IL 29 - EAST LEG</b>										
6+00.00	TO	9+00.00	0.142	12.8	12.8	12.8	0.3	0.142	28.4	
9+50.00	TO	13+00.00	0.221	19.9	19.9	19.9	0.4	0.221	44.2	
<b>SUB-TOTAL :</b>				<b>0.363</b>	<b>32.7</b>	<b>32.7</b>	<b>0.7</b>	<b>0.363</b>	<b>72.6</b>	
<b>PRIVATE ENTRANCE 01</b>										
20+79.14	TO	21+19.23	0.010	1.2	1.2	1.2	0.02	0.010	1.4	
20+79.14	TO	20+19.23	0.020	2.0	2.0	2.0	0.04	0.020	2.2	
<b>SUB-TOTAL :</b>				<b>0.030</b>	<b>3.0</b>	<b>3.0</b>	<b>0.06</b>	<b>0.030</b>	<b>3.6</b>	
2+00.00	TO	3+92.00	0.223	20.1	20.1	20.1	0.4	0.223	44.6	
<b>SUB-TOTAL :</b>				<b>0.223</b>	<b>20.1</b>	<b>20.1</b>	<b>0.4</b>	<b>0.223</b>	<b>44.6</b>	
<b>TOTAL :</b>				<b>3.260</b>	<b>293.8</b>	<b>293.8</b>	<b>6.6</b>	<b>3.260</b>	<b>649.6</b>	
<b>PAY TOTAL :</b>				<b>3.4</b>	<b>294</b>	<b>294</b>	<b>6.6</b>	<b>3.4</b>	<b>650</b>	

F & E ROW MARKER SCHEDULE			
LOCATION			FURNISHING AND ERECTING RIGHT OF WAY MARKERS
STATION	OFFSET	LT/RT	EACH
<b>IL 123</b>			
698+00.00	33.00	RT	1
698+50.00	45.00	RT	1
699+50.00	50.00	RT	1
701+70.00	70.00	RT	1
701+70.00	120.00	RT	1
702+01.83	120.00	RT	1
702+75.00	74.00	RT	1
702+81.83	273.34	RT	1
703+00.00	49.00	RT	1
707+56.04	49.00	RT	1
708+13.82	40.00	LT	1
708+50.00	49.00	RT	1
710+25.00	75.00	RT	1
710+25.00	70.00	LT	1
711+00.00	70.00	LT	1
712+00.00	85.00	RT	1
712+00.00	50.00	LT	1
712+60.00	44.44	RT	1
<b>TOTAL :</b>			<b>18</b>

REMOVAL OF EXISTING STRUCTURES SCHEDULE			
LOCATION		REMOVAL OF EXISTING STRUCTURES	
STATION	NO.	EACH	
<b>IL 123</b>			
702+14.32	EX SN 084-7100	2	1
710+64.00	EX SN 084-7099	1	1
<b>OLD RTE 29 (EAST LEG)</b>			
9+22.15	EX SN 084-7118	3	1

GRANULAR CULVERT BACKFILL			
LOCATION		GRANULAR CULVERT BACKFILL	
STATION	CU YD		
<b>IL 123</b>			
702+00.00	RT	SN 084-2525	273
710+64.00	RT	SN 084-2524	99
<b>TOTAL :</b>			<b>372</b>

PERMANENT SURVEY MARKERS SCHEDULE			
LOCATION			PERMANENT SURVEY MARKERS, TYPE 1
STATION	OFFSET	LT/RT	EACH
<b>IL 123</b>			
702+16.98	4.26	RT	1
703+14.66	4.26	RT	1
<b>TOTAL :</b>			<b>2</b>

NOTE 1 - ADD 20% FOR ANTICIPATED GROWTH SINCE TIME OF SURVEY  
NOTE 2 - ASSUME 6 TREES AT 15 UNITS & 4 TREES AT 25 UNITS



USER NAME = whitlingme	DESIGNED -	REVISED -
PLOT SCALE = 2.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 5/7/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

SCALE: NONE SHEET 1 OF 5 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	15
			CONTRACT NO. 72F27	
		ILLINOIS FED. AID PROJECT		

REMOVAL SCHEDULE													
LOCATION				PAVEMENT REMOVAL	HMA SURFACE REMOVAL - BUTT JOINT	HMA SURFACE REMOVAL, 3/4"	GUTTER REMOVAL	PAVED SHOULDER REMOVAL	WOVEN WIRE FENCE REMOVAL	REMOVING INLETS	STORM SEWER REMOVAL, 12"	PIPE CULVERT REMOVAL	PAVEMENT BREAKING
STATION	TO	STATION	NOTES	SQ YD	SQ YD	SQ YD	FOOT	SQ YD	FOOT	EACH	FOOT	FOOT	SQ YD
<b>IL 123</b>													
698+00.00	TO	702+00.00	RT						415.0				
698+50.00	TO	698+80.00	BEGINNING		73.3								
698+50.00	TO	701+82.00	LT	73.8									
698+80.00	TO	701+82.00	LT/RT			738.2							
701+44.00	TO	710+86.00	LT/RT	112.0									
701+82.00	TO	702+33.00	LT/RT	136.0									
702+33.00	TO	707+35.00	LT	111.6									
702+33.00	TO	705+70.00	LT/RT			823.8							
702+67.44	TO	702+80.83	LT/RT	2.6									
703+29.00	TO	708+32.00	RT				503.0						
705+70.00	TO	705+92.00	BASE COURSE		53.8								
708+50.00	TO	711+00.00	LT					285.0					
712+45.65	TO	715+00.00	LT					84.8					
712+45.65	TO	715+00.00	RT					84.8					
712+45.68	TO	713+25.00	LT/RT	17.6									
713+95.00	TO	714+25.00	RT									32.0	
714+21.00	TO	714+29.00	BASE COURSE		22.2								
714+29.00	TO	714+70.00	LT/RT			117.4							
714+70.00	TO	715+00.00	END		88.2								
<b>OLD RTE 29 - WEST LEG</b>													
6+21.00	TO	7+00.00	LT/RT	245.0									
7+00.00	TO	7+67.00											172.0
7+67.00	TO	8+74.29	LT/RT	263.0									
7+77.76	TO	13+18.05	RT				540.3						
10+45.45		14.15	RT						1	20			
<b>OLD RTE 29 - EAST LEG</b>													
6+12.00	TO	7+15.00	LT/RT	263.0									
6+47.26	TO	7+15.37	LT				68.1						
7+15.00	TO	8+85.00											426.0
8+58.79		13.50	LT							1	20		
8+85.00	TO	9+85.00	LT/RT	248.0									
8+97.22	TO	9+98.45	LT				101.2						
9+00.00			LT									30.0	
9+85.00	TO	11+85.00											528.0
11+85.00	TO	12+21.00	LT/RT	145.0									
<b>CLINE RD</b>													
10+10.68	TO	10+38.34	LT/RT										
10+57.97	TO	10+62.97	LT/RT		11.1								
<b>OLD ROUTE 29 (SOUTH END)</b>													
15+74.67	TO	16+05.30	RT									31.0	
<b>TOTAL:</b>				<b>1618</b>	<b>249</b>	<b>1679</b>	<b>1213</b>	<b>170</b>	<b>700</b>	<b>2</b>	<b>40</b>	<b>93</b>	<b>1126</b>

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USER NAME = whitlingme  
 PLOT SCALE = 2.0000 ' / in.  
 PLOT DATE = 5/7/2020

DESIGNED -  
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

SCALE: NONE    SHEET 2    OF 5    SHEETS    STA.    TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	16
CONTRACT NO. 72F27				
		ILLINOIS	FED. AID PROJECT	





PAVING SCHEDULE														
LOCATION				* AGGREGATE BASE COURSE, TYPE B	HOT-MIX ASPHALT BASE COURSE WIDENING, 7 3/4"	HOT-MIX ASPHALT BASE COURSE, (VARIABLE DEPTH)	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-4.75, N50	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	LONGITUDINAL JOINT SEALANT	BITUMINOUS MATERIALS (PRIME COAT)	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT SHOULDERS, 5 3/4"	HOT-MIX ASPHALT SHOULDERS	AGGREGATE SHOULDERS, TYPE B
STA.	TO	STA.	NOTES	TON	SQ YD	TON	TON	TON	FOOT	POUND	POUND	SQ YD	TON	TON
<b>IL 123</b>														
698+50.00	TO	705+70.00	UNDER PVT/GUT REMOVAL	56.5										
701+82.00	TO	702+33.00	OVER SN 084-2525			55.7								
702+90.00	TO	706+50.00	RIGHT		197.3		172.1	345.1	1,650.0	4,035.7	2,259.4	1,205.1	178.1	154.2
705+70.00	TO	714+29.00	GRADE RAISE SECTION	1,178.1		819.7								
714+29.00	TO	715+00.00	OVERLAY SECTION	14.1										
<b>IL 29 - REALIGNED</b>														
10+11.00	TO	11+47.97	Realigned	94.8		159.5	20.1	40.2	137.0	1,071.8	321.5	144.1	18.6	16.4
<b>CLINE ROAD</b>														
10+10.68	TO	10+57.97					6.6	13.1	47.0		35.0	36.2	4.7	3.6
FROM BITUMINOUS SURFACE TREATMENT SCHEDULE *				510.1										
FROM ENTRANCE SCHEDULE *				214.8										
<b>TOTAL:</b>				<b>2068</b>	<b>197</b>	<b>1,035</b>	<b>199</b>	<b>398</b>	<b>1,834</b>	<b>5,107</b>	<b>2,616</b>	<b>1,385</b>	<b>201</b>	<b>174</b>

\* SEE BITUMINOUS SURFACE TREATMENT AND ENTRANCE SCHEDULES FOR ADDITIONAL QUANTITY

BITUMINOUS SURFACE TREATMENT SCHEDULE								
LOCATION				* AGGREGATE BASE COURSE, TYPE B	BITUMINOUS MATERIALS (PRIME COAT)	BITUMINOUS MATERIALS (COVER AND SEAL COATS)	COVER COAT AGGREGATE	SEAL COAT AGGREGATE
STA.	TO	STA.	NOTES	TON	TON	TON	TON	TON
<b>OLD IL 29</b>								
8+74.29	TO	10+24.29	SE TRANSITION & A-2 TREATMENT	124.4	5.2	8.8	30.4	30.4
10+24.29	TO	19+15.00	TYPICAL OVERLAY W/ A-2 TREATMENT	385.7				
15+88.79			PRIVATE ENTRANCE 01 W/ A-2 TREATMENT	**	0.2	0.4	1.2	1.2
<b>SUB-TOTAL:</b>				<b>510.1</b>	<b>5.4</b>	<b>9.2</b>	<b>31.6</b>	<b>31.6</b>
<b>TOTAL:</b>				<b>*</b>	<b>6</b>	<b>10</b>	<b>32</b>	<b>32</b>

\* SEE PAVING SCHEDULE FOR TOTAL QUANTITY

\*\* SEE ENTRANCE SCHEDULE FOR QUANTITY

ENTRANCE SCHEDULE								
LOCATION			NOTES	*DIMENSIONS			INCIDENTAL HOT-MIX ASPHALT SURFACING	AGGREGATE BASE COURSE, TYPE B
STATION	LT/RT	TYPE		FLARE FOOT	WIDTH FOOT	LENGTH (FROM BK OF FLARE) FOOT		
<b>IL 123</b>								
699+85.73	LT	FE	AGG	15.0	24.0	40.4	3.8	40.1
701+00.00	RT	FE	AGG	15.0	24.0	35.5	3.1	47.0
704+04.16	RT	FE	AGG	15.0	24.0	23.0	3.8	27.8
704+14.36	LT	CE	AGG	15.0	30.0	14.0	14.6	23.5
714+08.86	RT	PE	HMA	15.0	24.0	18.0	21.5	29.3
			AGG	0.0	24.0	18.4		13.1
<b>OLD ROUTE 29 (SOUTH END)</b>								
15+88.79	RT	PE	AGG	15.0	14.0	25.0		34.0
<b>SUB-TOTAL:</b>							<b>46.8</b>	<b>214.8</b>
<b>TOTAL:</b>							<b>47</b>	<b>**</b>

\* SEE DISTRICT 6 ENTRANCE STANDARD FOR ADDITIONAL DETAILS/DIMENSIONS

\*\* SEE PAVING SCHEDULE FOR TOTAL QUANTITY

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USER NAME = whitlingme  
 PLOT SCALE = 2.0000' / in.  
 PLOT DATE = 5/7/2020

DESIGNED -  
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 CHECKED -  
 DATE -

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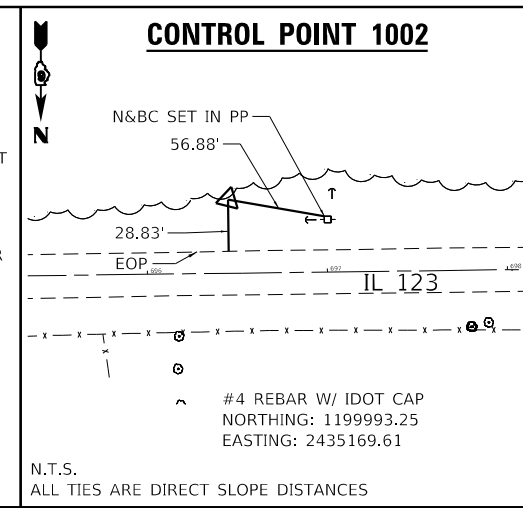
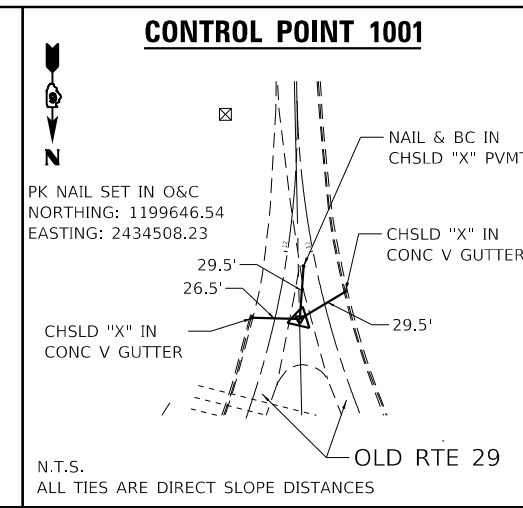
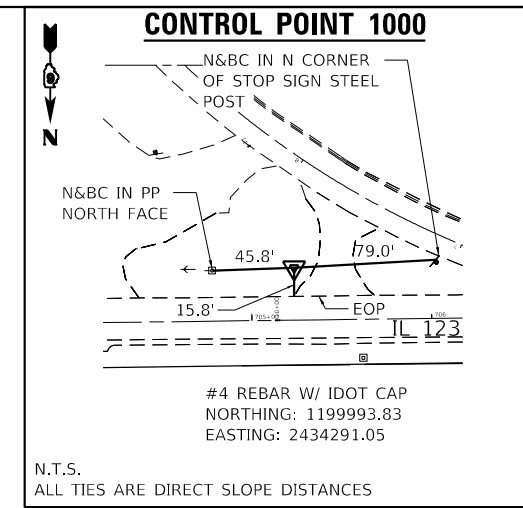
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**SCHEDULE OF QUANTITIES**

SCALE: NONE SHEET 4 OF 5 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	18
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				



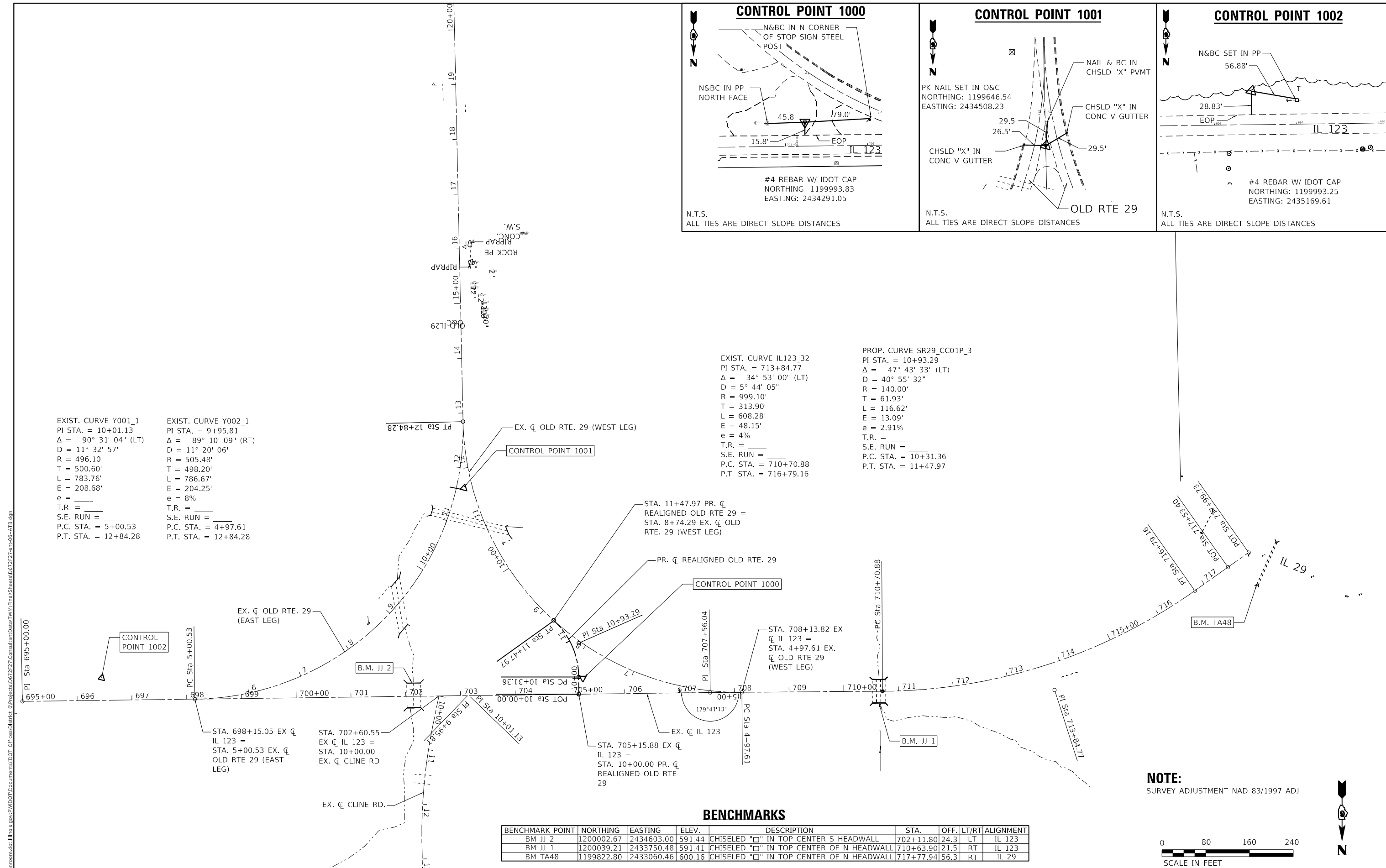


EXIST. CURVE Y001\_1  
PI STA. = 10+01.13  
 $\Delta = 90^\circ 31' 04"$  (LT)  
D = 11° 32' 57"  
R = 496.10'  
T = 500.60'  
L = 783.76'  
E = 208.68'  
e = \_\_\_\_\_  
T.R. = \_\_\_\_\_  
S.E. RUN = \_\_\_\_\_  
P.C. STA. = 5+00.53  
P.T. STA. = 12+84.28

EXIST. CURVE Y002\_1  
PI STA. = 9+95.81  
 $\Delta = 89^\circ 10' 09"$  (RT)  
D = 11° 20' 06"  
R = 505.48'  
T = 498.20'  
L = 786.67'  
E = 204.25'  
e = 8%  
T.R. = \_\_\_\_\_  
S.E. RUN = \_\_\_\_\_  
P.C. STA. = 4+97.61  
P.T. STA. = 12+84.28

EXIST. CURVE IL123\_32  
PI STA. = 713+84.77  
 $\Delta = 34^\circ 53' 00"$  (LT)  
D = 5° 44' 05"  
R = 999.10'  
T = 313.90'  
L = 608.28'  
E = 48.15'  
e = 4%  
T.R. = \_\_\_\_\_  
S.E. RUN = \_\_\_\_\_  
P.C. STA. = 710+70.88  
P.T. STA. = 716+79.16

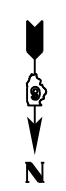
PROP. CURVE SR29\_CC01P\_3  
PI STA. = 10+93.29  
 $\Delta = 47^\circ 43' 33"$  (LT)  
D = 40° 55' 32"  
R = 140.00'  
T = 61.93'  
L = 116.62'  
E = 13.09'  
e = 2.91%  
T.R. = \_\_\_\_\_  
S.E. RUN = \_\_\_\_\_  
P.C. STA. = 10+31.36  
P.T. STA. = 11+47.97



#### BENCHMARKS

BENCHMARK POINT	NORTHING	EASTING	ELEV.	DESCRIPTION	STA.	OFF.	LT/RT	ALIGNMENT
BM JJ 2	1200002.67	2434603.00	591.44	CHISELED "□" IN TOP CENTER S HEADWALL	702+11.80	24.3	LT	IL 123
BM JJ 1	1200039.21	2433750.48	591.41	CHISELED "□" IN TOP CENTER OF N HEADWALL	710+63.90	21.5	RT	IL 123
BM TA48	1199822.80	2433060.46	600.16	CHISELED "□" IN TOP CENTER OF N HEADWALL	717+77.94	56.3	RT	IL 29

**NOTE:**  
SURVEY ADJUSTMENT NAD 83/1997 ADJ



USER NAME = whitlingme	DESIGNED -	REVISD -
PLOT SCALE = 160.0000' / in.	DRAWN -	REVISD -
PLOT DATE = 5/7/2020	CHECKED -	REVISD -
	DATE -	REVISD -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

#### ALIGNMENT, TIES & BENCHMARKS

SCALE: 1"=80' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	20
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

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 PROJECT: 66272727

EXISTING C IL 123									
POINT NAME	CURVE NAME	GRID COORDINATES			DELTA	RADIUS	TANGENT	LENGTH	EXTERNAL
		STATION	NORTHING (Y)	EASTING (X)					
IL12328		695+00.00	1200036.1	2435314.43					
IL12330		707+56.04	1200019.98	2434058.49					
		PC 710+70.88	1200017.66	2433743.66					
	IL123_32	PI 713+84.77	1200015.35	2433429.78	34° 53' 00" (LT)	999.1'	313.9'	608.28'	48.15'
		PT 716+79.16	1199833.94	2433173.61					
		CC	1199018.59	2433751.02					
IL12335		717+53.40	1199791.03	2433113.02					
IL12336		717+99.73	1199764.26	2433075.21					

EXISTING C OLD ROUTE 29 (EAST LEG)									
POINT NAME	CURVE NAME	GRID COORDINATES			DELTA	RADIUS	TANGENT	LENGTH	EXTERNAL
		STATION	NORTHING (Y)	EASTING (X)					
		PC 5+00.53	1200032.06	2434999.41					
	Y001_1	PI 10+01.13	1200025.63	2434498.85	90° 31' 04" (LT)	496.10'	500.60'	783.76'	208.68'
		PT 12+84.28	1199525.15	2434509.79					
		CC	1199536.00	2435005.77					
Y0013		28+63.22	1197946.59	2434544.32					

EXISTING C OLD ROUTE 29 (WEST LEG)									
POINT NAME	CURVE NAME	GRID COORDINATES			DELTA	RADIUS	TANGENT	LENGTH	EXTERNAL
		STATION	NORTHING (Y)	EASTING (X)					
		PC 4+97.61	1200019.56	2434000.71					
	Y002_1	PI 9+95.81	1200023.23	2434498.9	89° 10' 09" (RT)	505.48'	498.20'	786.67'	204.25'
		PT 12+84.28	1199525.15	2434509.79					
		CC	1199514.10	2434004.44					

PROPOSED C REALIGNED OLD ROUTE 29									
POINT NAME	CURVE NAME	GRID COORDINATES			DELTA	RADIUS	TANGENT	LENGTH	EXTERNAL
		STATION	NORTHING (Y)	EASTING (X)					
17		10+00.00	1200023.06	2434298.63					
		PC 10+31.36	1199991.71	2434298.63					
	SR29_CC01P_3	PI 10+93.29	1199929.77	2434298.63	47° 43' 33" (LT)	140.00'	61.93'	116.62'	13.09'
		PT 11+47.97	1199888.12	2434344.46					

EX C CLINE ROAD									
POINT NAME	CURVE NAME	GRID COORDINATES			DELTA	RADIUS	TANGENT	LENGTH	EXTERNAL
		STATION	NORTHING (Y)	EASTING (X)					
EXCLINE1		10+00.00	1200026.34	2434553.94					
		PC 10+57.97	1200083.16	2434565.44					
	EXCLINE_3	PI 11+67.67	1200190.67	2434587.22	12° 43' 32" (LT)	983.75'	109.70'	218.49'	6.10'
		PT 12+76.46	1200300.34	2434584.78					
		CC	1200278.43	2433601.27					
EXCLINE5		14+69.22	1200493.05	2434580.48					

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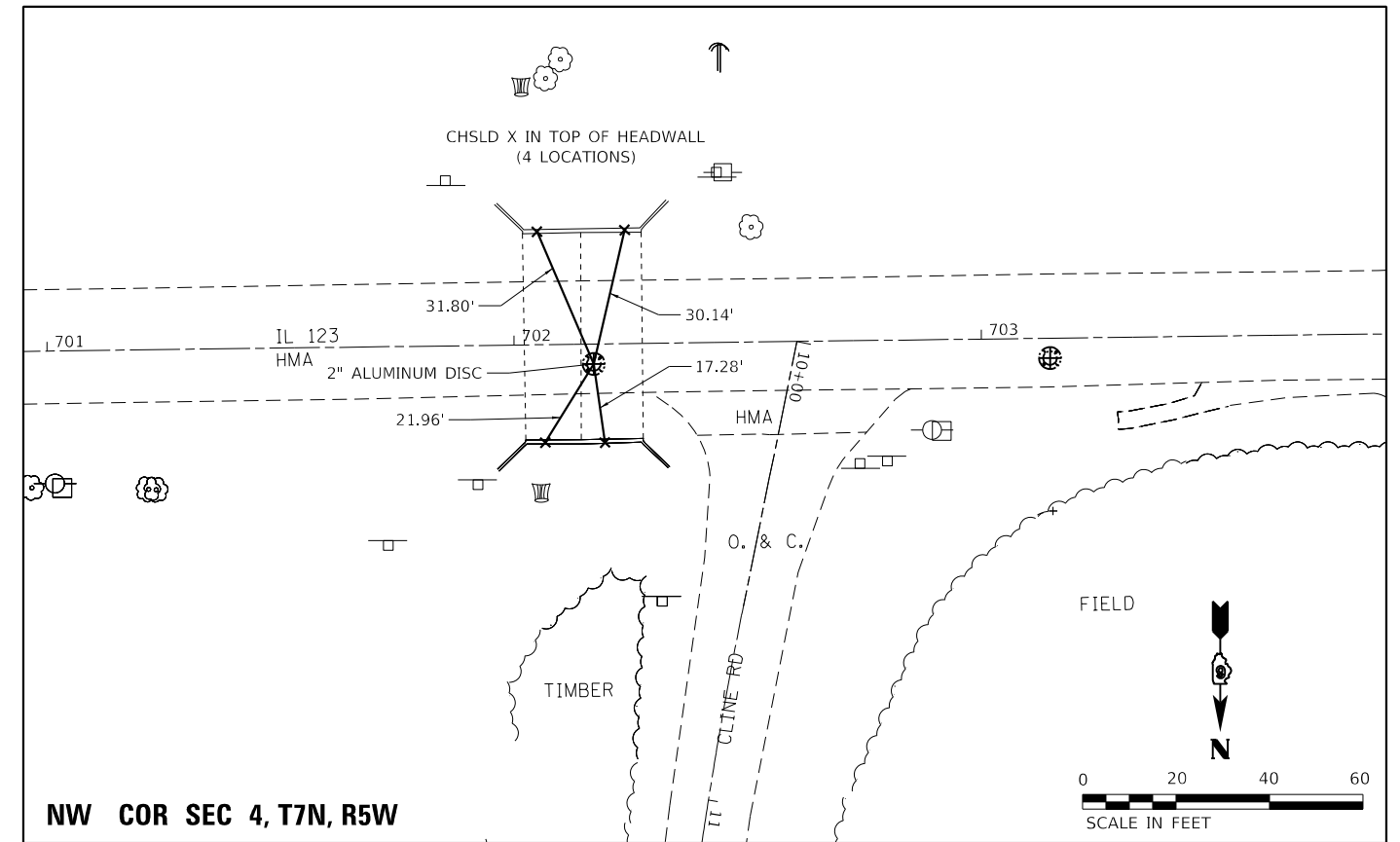
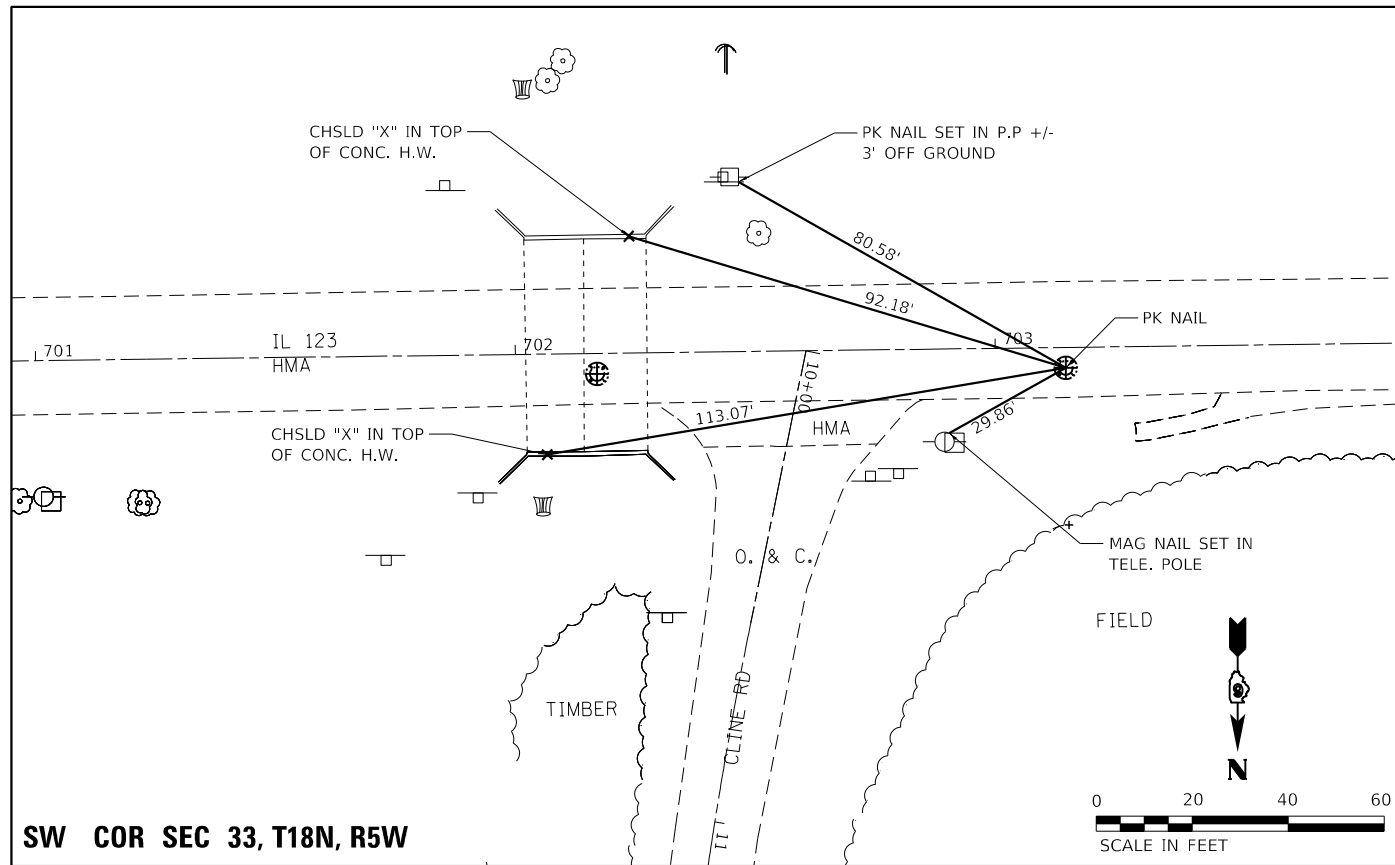
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	DATE -	REVISED -

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>ALIGNMENT DATA</b>			
SCALE: N/A	SHEET 2	OF 2 SHEETS	STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	21
			CONTRACT NO. 72F27	
		ILLINOIS	FED. AID PROJECT	



SECTION CORNERS						
PT#	STATION	OFFSET	NORTHING	EASTING	TYPE I PSM	DESCRIPTION
25000	703+14.66	4.26 RT	1200029.902	2434499.782	1	NW COR SEC 4, T17N, R5W, 3RD PM (PK NAIL)
605	702+16.98	4.26 RT	1200031.159	2434597.454	1	SW COR SEC 33, T18N, R5W, 3RD PM (2" ALUM DISK)

**NOTE:**  
SURVEY ADJUSTMENT NAD 83/1997 ADJ

MOE:\1\_Default\FILE\MapE\_Plan\planroom.dwg:Illinois.gov:PWIDOT\Documents\DOT\_Offices\Datatxt\_6\Projects\6627272\Consultant\Datatxt\T18N\Final\Sheet33.D6727272\sh-cb-5c-Corner.dgn



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

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

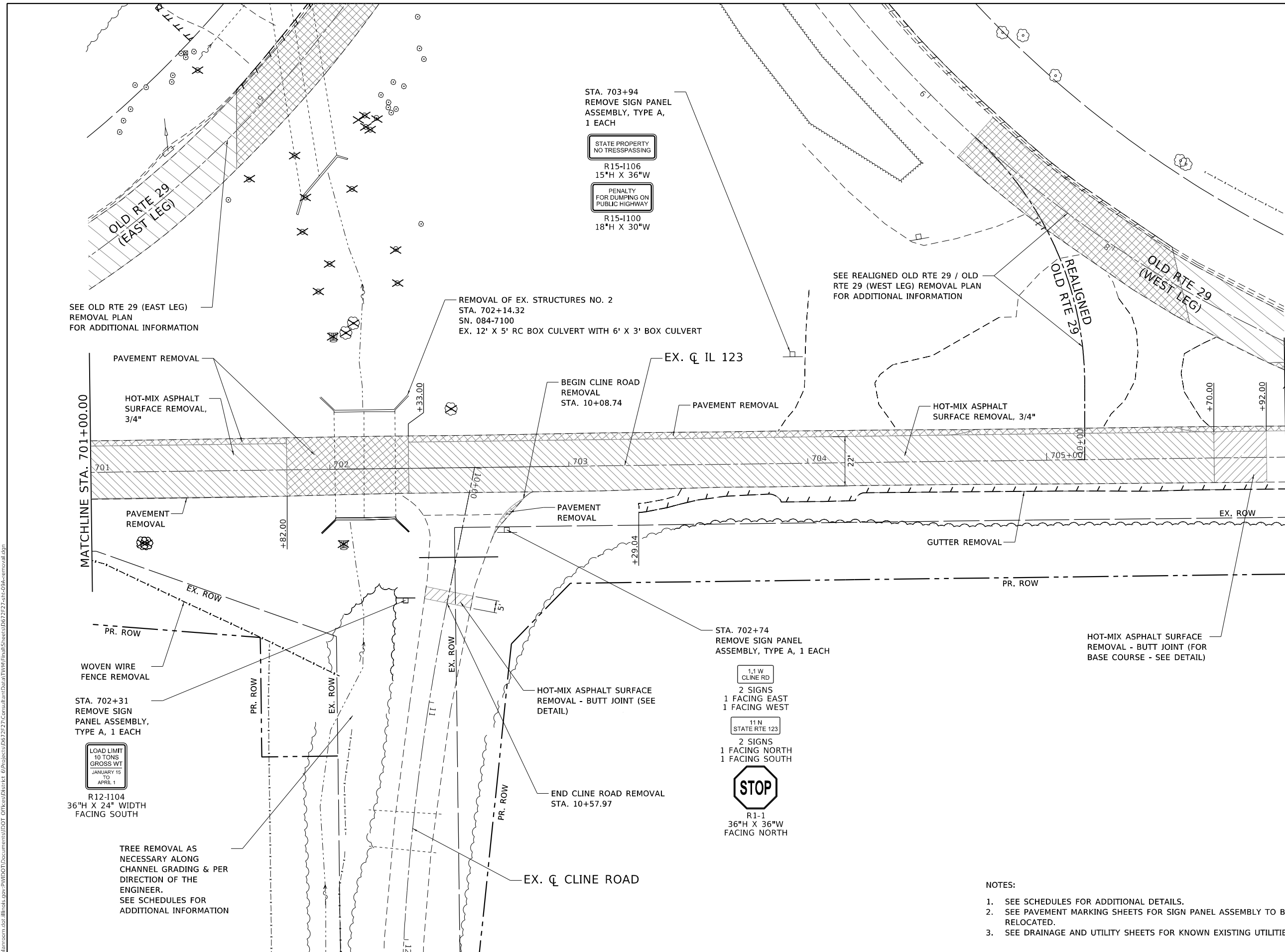
<b>SECTION CORNERS</b>			
SCALE: 1"=20'	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	22
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				



**LEGEND**

-  PAVEMENT REMOVAL
-  PAVEMENT BREAKING
-  HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
-  HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"
-  PAVED SHOULDER REMOVAL
-  GUTTER REMOVAL
-  TREE REMOVAL



STA. 703+94  
REMOVE SIGN PANEL  
ASSEMBLY, TYPE A,  
1 EACH

STATE PROPERTY  
NO TRESSPASSING

R15-I106  
15"H X 36"W

PENALTY  
FOR DUMPING ON  
PUBLIC HIGHWAY

R15-I100  
18"H X 30"W

SEE OLD RTE 29 (EAST LEG)  
REMOVAL PLAN  
FOR ADDITIONAL INFORMATION

REMOVAL OF EX. STRUCTURES NO. 2  
STA. 702+14.32  
SN. 084-7100  
EX. 12' X 5' RC BOX CULVERT WITH 6' X 3' BOX CULVERT

SEE REALIGNED OLD RTE 29 / OLD  
RTE 29 (WEST LEG) REMOVAL PLAN  
FOR ADDITIONAL INFORMATION

PAVEMENT REMOVAL  
HOT-MIX ASPHALT  
SURFACE REMOVAL,  
3/4"

EX. CL IL 123

BEGIN CLINE ROAD  
REMOVAL  
STA. 10+08.74

HOT-MIX ASPHALT  
SURFACE REMOVAL, 3/4"

MATCHLINE STA. 701+00.00

MATCHLINE STA. 706+00.00

STA. 702+31  
REMOVE SIGN  
PANEL ASSEMBLY,  
TYPE A, 1 EACH

LOAD LIMIT  
10 TONS  
GROSS WT  
JANUARY 15  
TO  
APRIL 1

R12-I104  
36"H X 24" WIDTH  
FACING SOUTH

TREE REMOVAL AS  
NECESSARY ALONG  
CHANNEL GRADING & PER  
DIRECTION OF THE  
ENGINEER.  
SEE SCHEDULES FOR  
ADDITIONAL INFORMATION

STA. 702+74  
REMOVE SIGN PANEL  
ASSEMBLY, TYPE A, 1 EACH

1.1W  
CLINE RD  
2 SIGNS  
1 FACING EAST  
1 FACING WEST

11N  
STATE RTE 123  
2 SIGNS  
1 FACING NORTH  
1 FACING SOUTH



R1-1  
36"H X 36"W  
FACING NORTH

HOT-MIX ASPHALT SURFACE  
REMOVAL - BUTT JOINT (FOR  
BASE COURSE - SEE DETAIL)

**NOTES:**

1. SEE SCHEDULES FOR ADDITIONAL DETAILS.
2. SEE PAVEMENT MARKING SHEETS FOR SIGN PANEL ASSEMBLY TO BE RELOCATED.
3. SEE DRAINAGE AND UTILITY SHEETS FOR KNOWN EXISTING UTILITIES.



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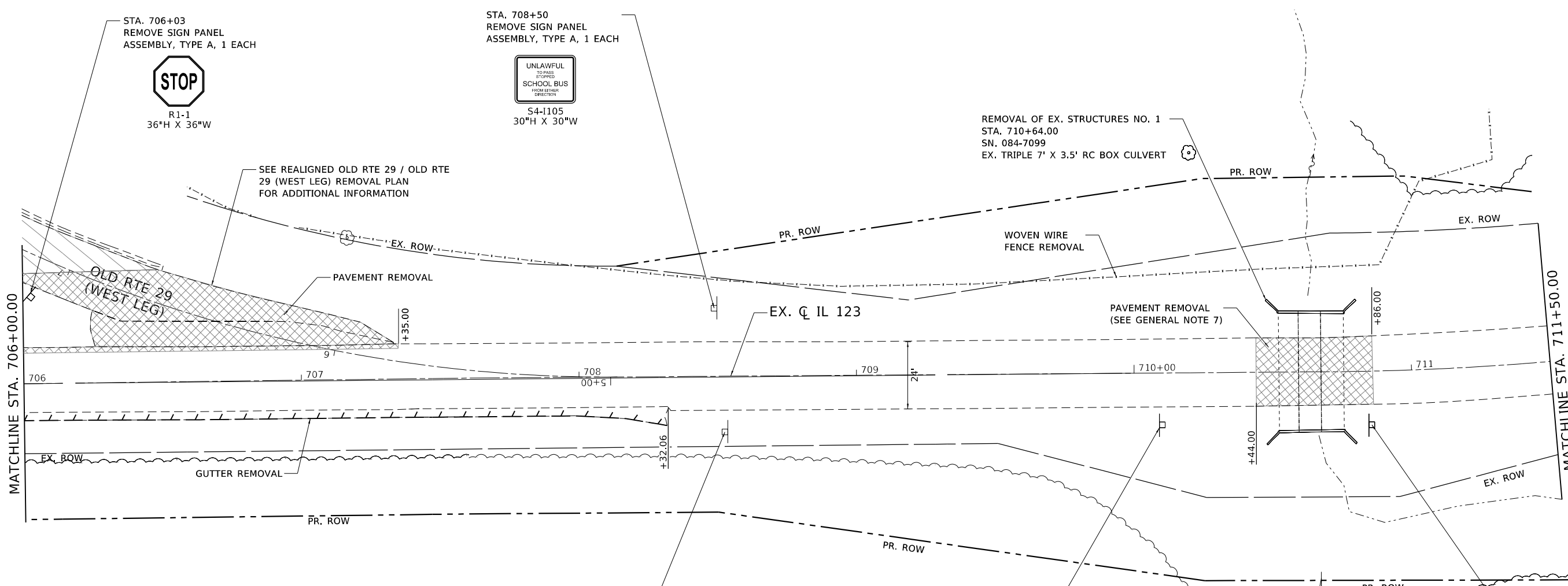
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>REMOVAL PLAN IL 123</b>	
SCALE: 1" = 20'	SHEET 2 OF 6 SHEETS
STA. 701+00.00 TO STA. 706+00.00	

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	24
CONTRACT NO. 72F27				
		ILLINOIS	FED. AID PROJECT	

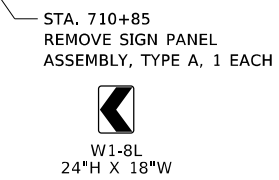
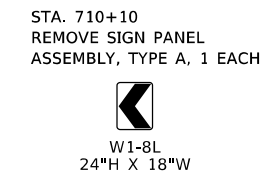


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 PLOT DATE: 5/7/2020

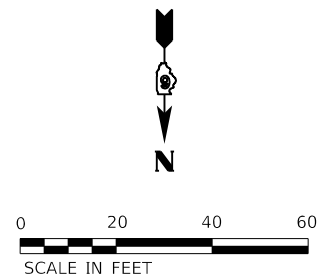


**LEGEND**

	PAVEMENT REMOVAL
	PAVEMENT BREAKING
	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
	HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"
	PAVED SHOULDER REMOVAL
	GUTTER REMOVAL
	TREE REMOVAL



- NOTES**
1. SEE SCHEDULES FOR ADDITIONAL DETAILS.
  2. SEE PAVEMENT MARKING SHEETS FOR SIGN PANEL ASSEMBLY TO BE RELOCATED.
  3. SEE DRAINAGE AND UTILITY SHEETS FOR KNOWN EXISTING UTILITIES.










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PLOT DATE = 5/7/2020	DATE - JULY 2019	REVISED -

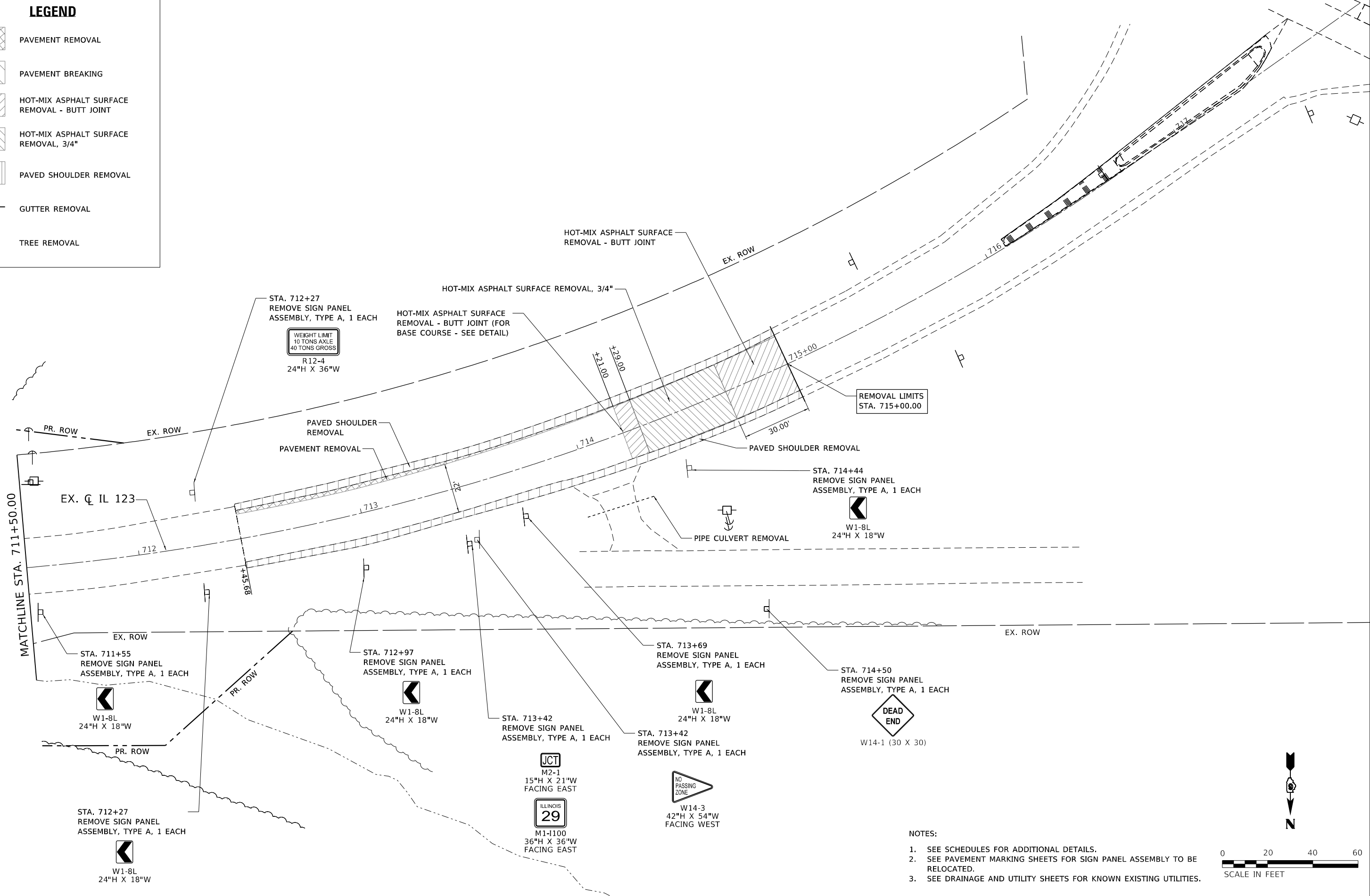
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>REMOVAL PLAN IL 123</b>	
SCALE: 1" = 20'	SHEET 3 OF 6 SHEETS
STA. 706+00.00 TO STA. 711+50.00	

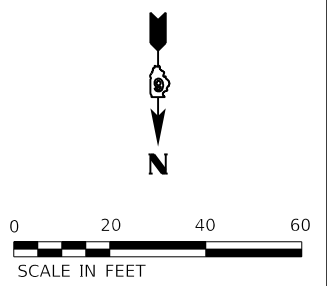
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	25
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

**LEGEND**

-  PAVEMENT REMOVAL
-  PAVEMENT BREAKING
-  HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
-  HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"
-  PAVED SHOULDER REMOVAL
-  GUTTER REMOVAL
-  TREE REMOVAL



- NOTES:**
1. SEE SCHEDULES FOR ADDITIONAL DETAILS.
  2. SEE PAVEMENT MARKING SHEETS FOR SIGN PANEL ASSEMBLY TO BE RELOCATED.
  3. SEE DRAINAGE AND UTILITY SHEETS FOR KNOWN EXISTING UTILITIES.



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
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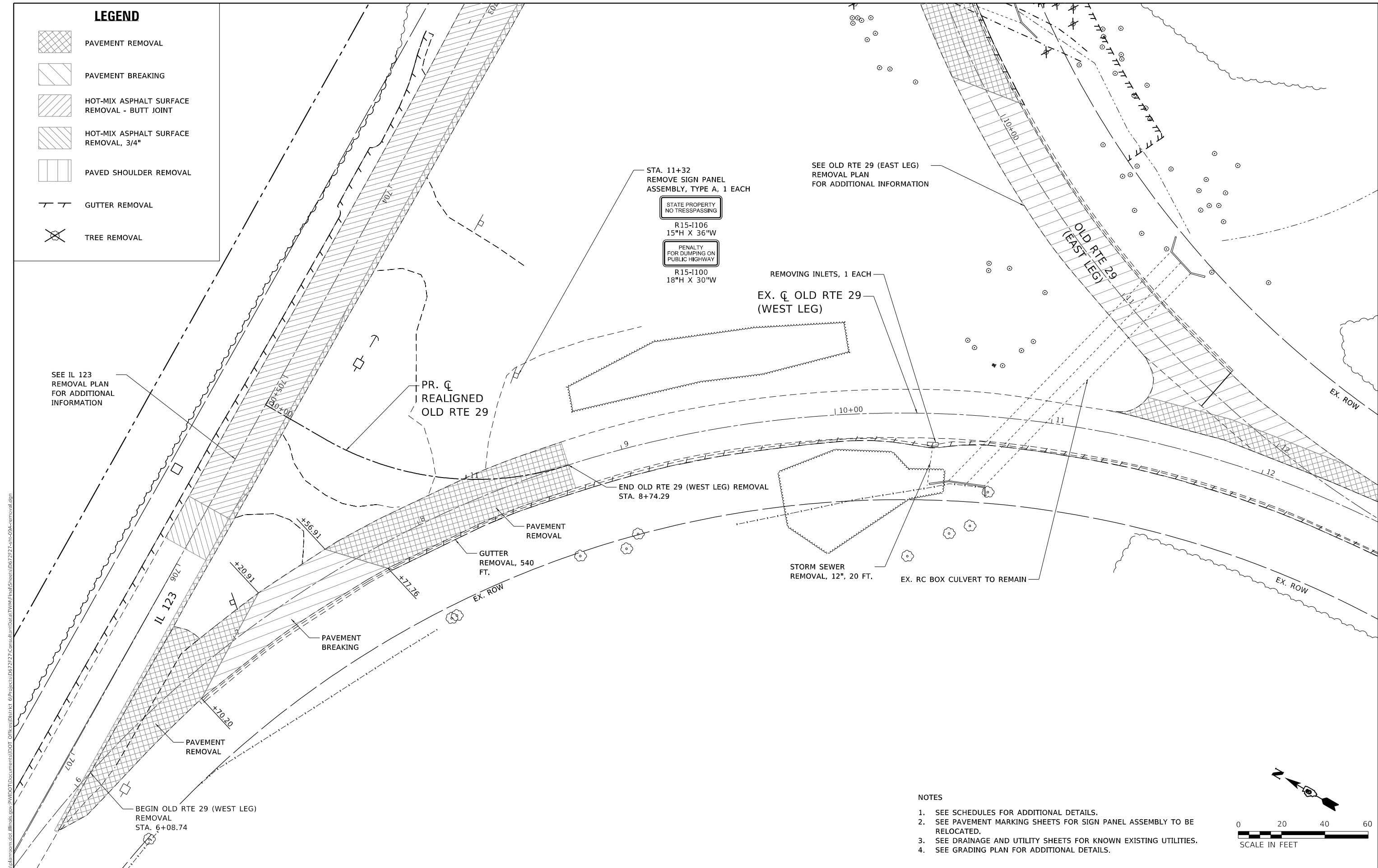
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>REMOVAL PLAN IL 123</b>	
SCALE: 1" = 20'	SHEET 4 OF 6 SHEETS
STA. 711+50.00 TO STA. 715+00.00	

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	26
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

**LEGEND**

-  PAVEMENT REMOVAL
-  PAVEMENT BREAKING
-  HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
-  HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"
-  PAVED SHOULDER REMOVAL
-  GUTTER REMOVAL
-  TREE REMOVAL



SEE IL 123  
REMOVAL PLAN  
FOR ADDITIONAL  
INFORMATION

PR. CL  
REALIGNED  
OLD RTE 29

STA. 11+32  
REMOVE SIGN PANEL  
ASSEMBLY, TYPE A, 1 EACH

STATE PROPERTY  
NO TRESPASSING

R15-I106  
15"H X 36"W

PENALTY  
FOR DUMPING ON  
PUBLIC HIGHWAY

R15-I100  
18"H X 30"W

SEE OLD RTE 29 (EAST LEG)  
REMOVAL PLAN  
FOR ADDITIONAL INFORMATION

REMOVING INLETS, 1 EACH  
EX. CL OLD RTE 29  
(WEST LEG)

END OLD RTE 29 (WEST LEG) REMOVAL  
STA. 8+74.29

PAVEMENT  
REMOVAL

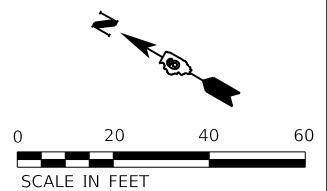
GUTTER  
REMOVAL, 540  
FT.

STORM SEWER  
REMOVAL, 12". 20 FT.

EX. RC BOX CULVERT TO REMAIN

BEGIN OLD RTE 29 (WEST LEG)  
REMOVAL  
STA. 6+08.74

- NOTES
- SEE SCHEDULES FOR ADDITIONAL DETAILS.
  - SEE PAVEMENT MARKING SHEETS FOR SIGN PANEL ASSEMBLY TO BE RELOCATED.
  - SEE DRAINAGE AND UTILITY SHEETS FOR KNOWN EXISTING UTILITIES.
  - SEE GRADING PLAN FOR ADDITIONAL DETAILS.



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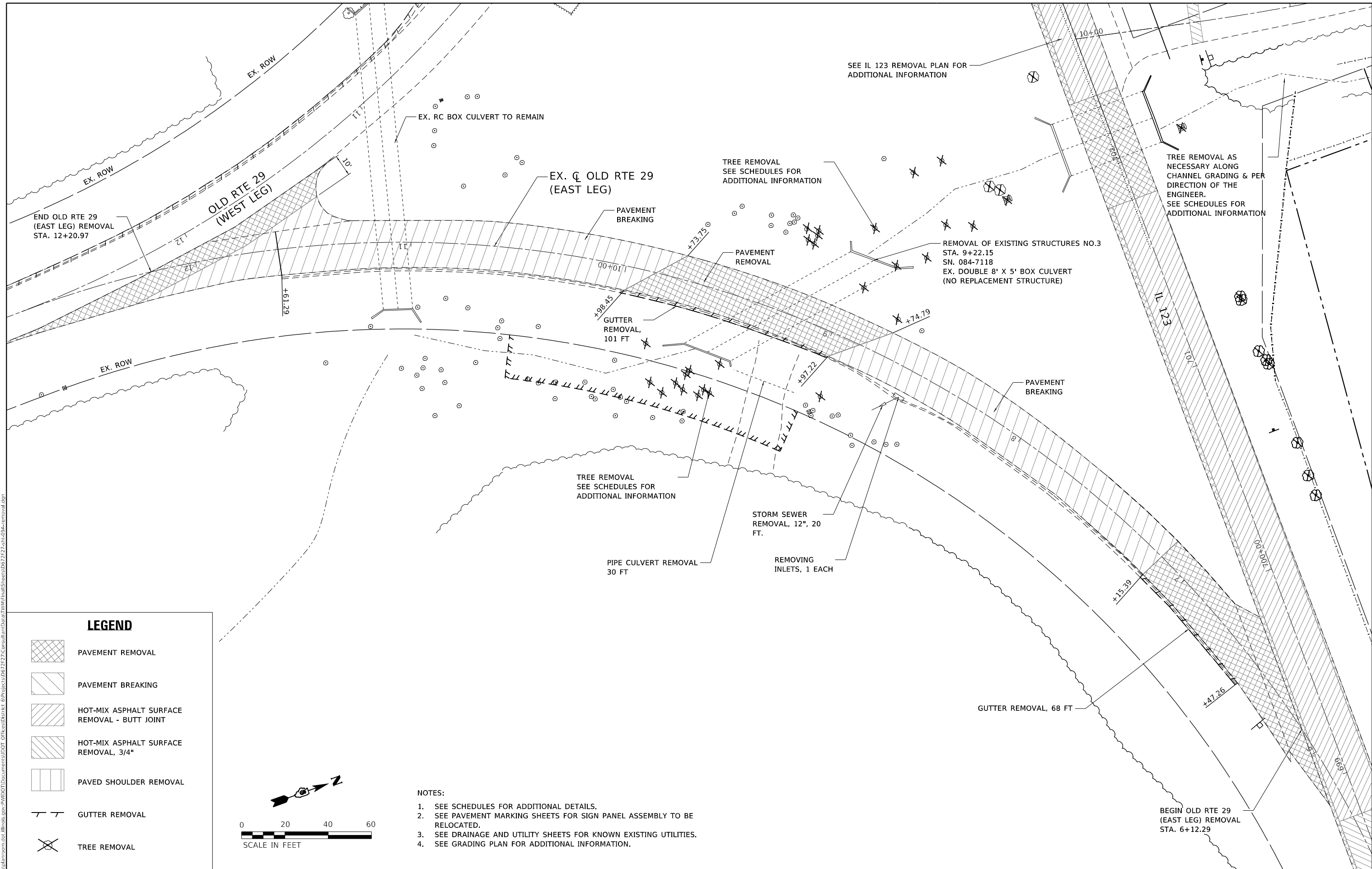
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN**  
**REALIGNED OLD RTE 29 / OLD RTE 29 (WEST LEG)**

SCALE: 1" = 20' SHEET 5 OF 6 SHEETS STA. 6+08.74 TO STA. 8+81.78

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	27
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

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 PLOT DATE: 5/7/2020



SEE IL 123 REMOVAL PLAN FOR ADDITIONAL INFORMATION

TREE REMOVAL AS NECESSARY ALONG CHANNEL GRADING & PER DIRECTION OF THE ENGINEER. SEE SCHEDULES FOR ADDITIONAL INFORMATION

REMOVAL OF EXISTING STRUCTURES NO.3 STA. 9+22.15 SN. 084-7118 EX. DOUBLE 8' X 5' BOX CULVERT (NO REPLACEMENT STRUCTURE)

EX. Q OLD RTE 29 (EAST LEG)

TREE REMOVAL SEE SCHEDULES FOR ADDITIONAL INFORMATION

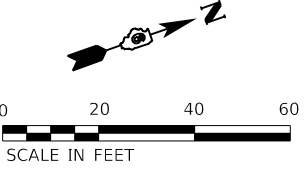
STORM SEWER REMOVAL, 12", 20 FT.

PIPE CULVERT REMOVAL 30 FT

REMOVING INLETS, 1 EACH

**LEGEND**

- PAVEMENT REMOVAL
- PAVEMENT BREAKING
- HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
- HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"
- PAVED SHOULDER REMOVAL
- GUTTER REMOVAL
- TREE REMOVAL



**NOTES:**

1. SEE SCHEDULES FOR ADDITIONAL DETAILS.
2. SEE PAVEMENT MARKING SHEETS FOR SIGN PANEL ASSEMBLY TO BE RELOCATED.
3. SEE DRAINAGE AND UTILITY SHEETS FOR KNOWN EXISTING UTILITIES.
4. SEE GRADING PLAN FOR ADDITIONAL INFORMATION.

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

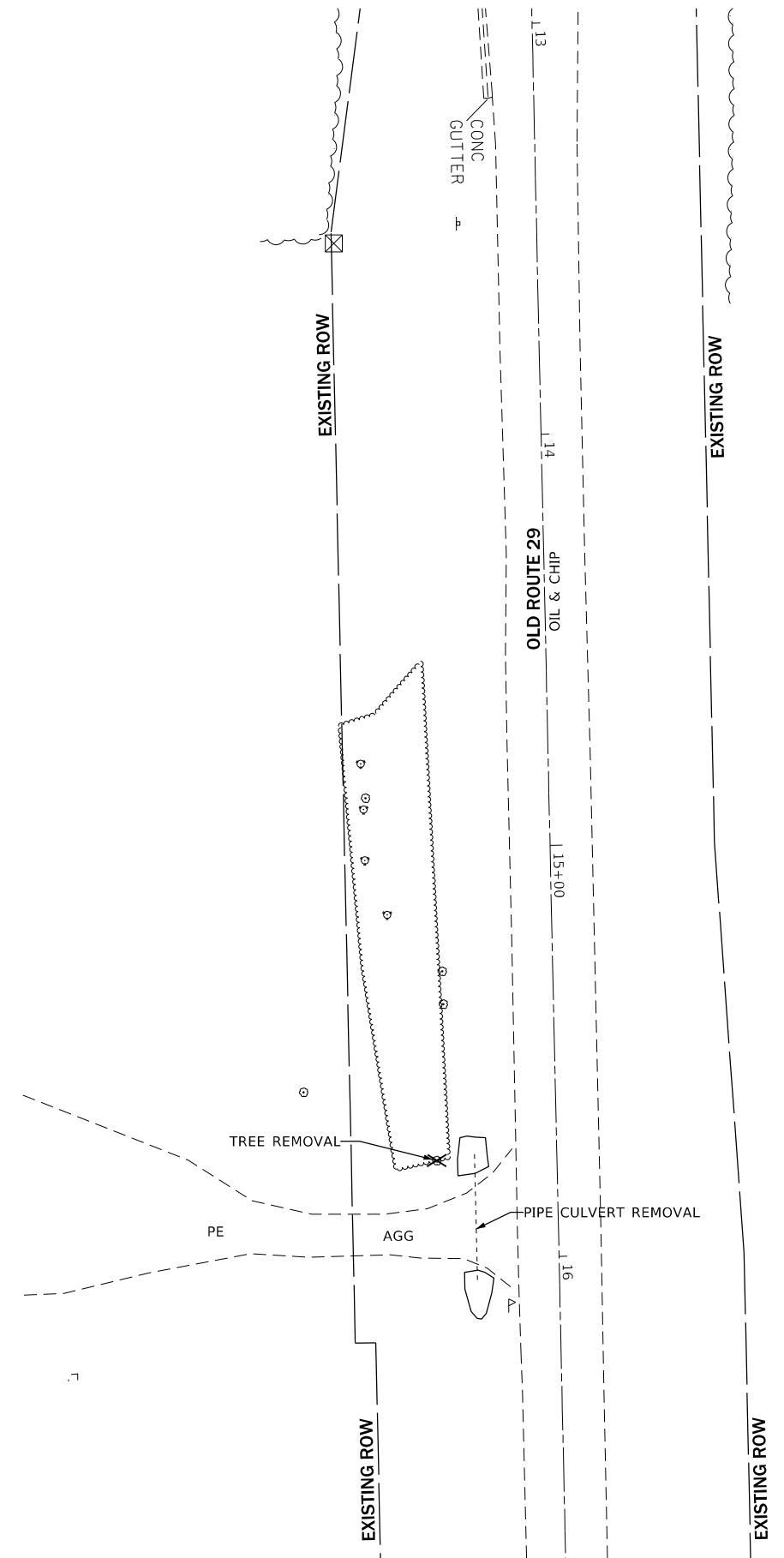
<b>REMOVAL PLAN OLD RTE 29 (EAST LEG)</b>			
SCALE: 1" = 20'	SHEET 6	OF 6 SHEETS	STA. 6+12.29 TO STA. 12+20.97

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	28
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				










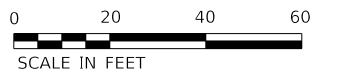
**NOTES:**

1. SEE SCHEDULES FOR ADDITIONAL DETAILS.
2. SEE PAVEMENT MARKING SHEETS FOR SIGN PANEL ASSEMBLY TO BE RELOCATED.
3. SEE DRAINAGE AND UTILITY SHEETS FOR KNOWN EXISTING UTILITIES.



**LEGEND**

-  PAVEMENT REMOVAL
-  PAVEMENT BREAKING
-  HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT
-  HOT-MIX ASPHALT SURFACE REMOVAL, 3/4"
-  PAVED SHOULDER REMOVAL
-  GUTTER REMOVAL
-  TREE REMOVAL



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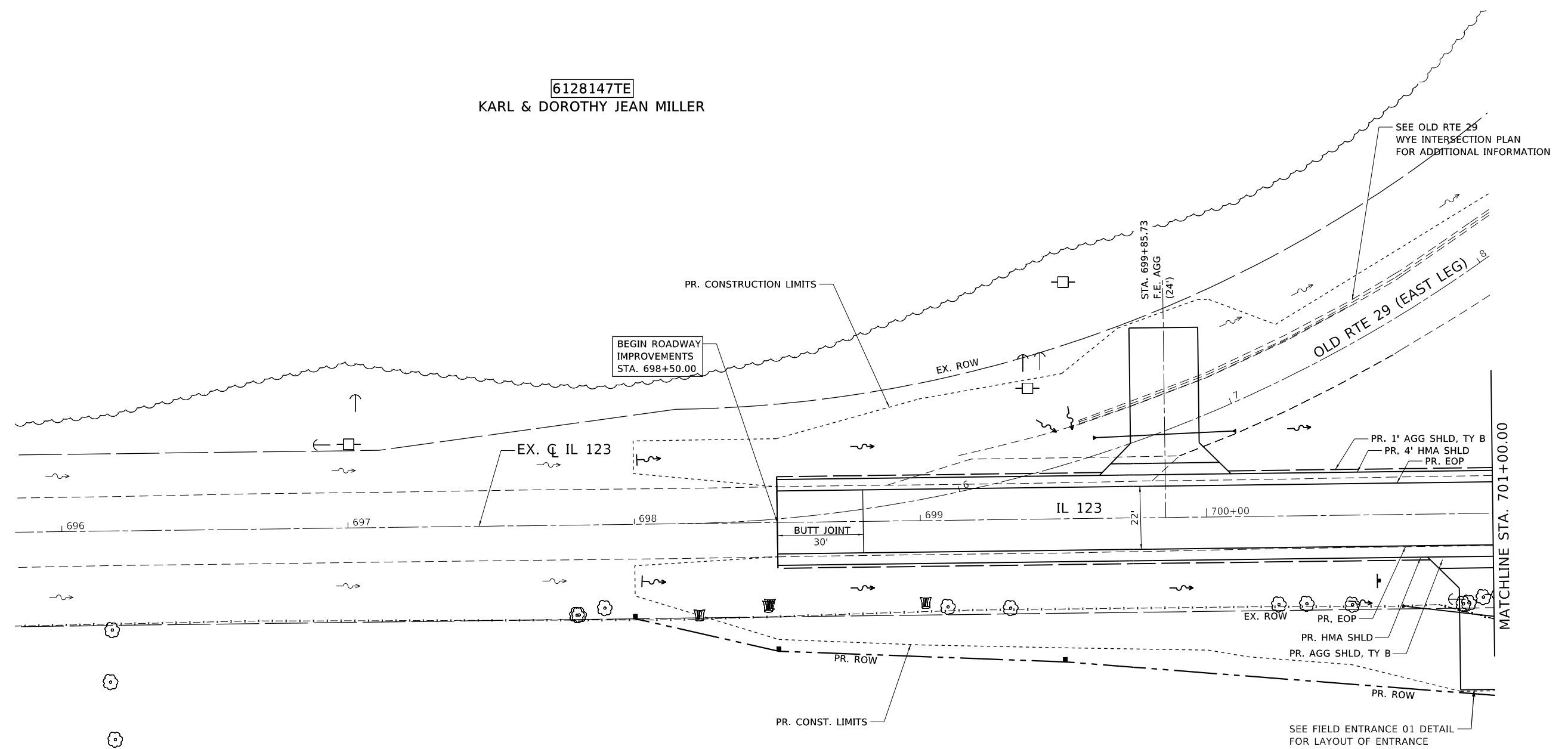
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN  
OLD ROUTE 29**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	29
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

6128147TE  
KARL & DOROTHY JEAN MILLER



6128146  
OMA M CLINE TRUSTEE

NOTES:

1. SEE TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.
2. SEE SCHEDULES FOR ADDITIONAL INFORMATION.
3. SEE REMOVAL PLANS FOR ADDITIONAL INFORMATION.
4. SEE DRAINAGE AND UTILITIES PLANS FOR ADDITIONAL INFORMATION.
5. SEE PAVEMENT MARKINGS AND SIGNAGE PLANS FOR ADDITIONAL INFORMATION.
6. SEE RIGHT-OF-WAY PLANS FOR ADDITIONAL INFORMATION.
7. SEE FIELD ENTRANCE 01 DETAIL FOR ADDITIONAL INFORMATION.



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

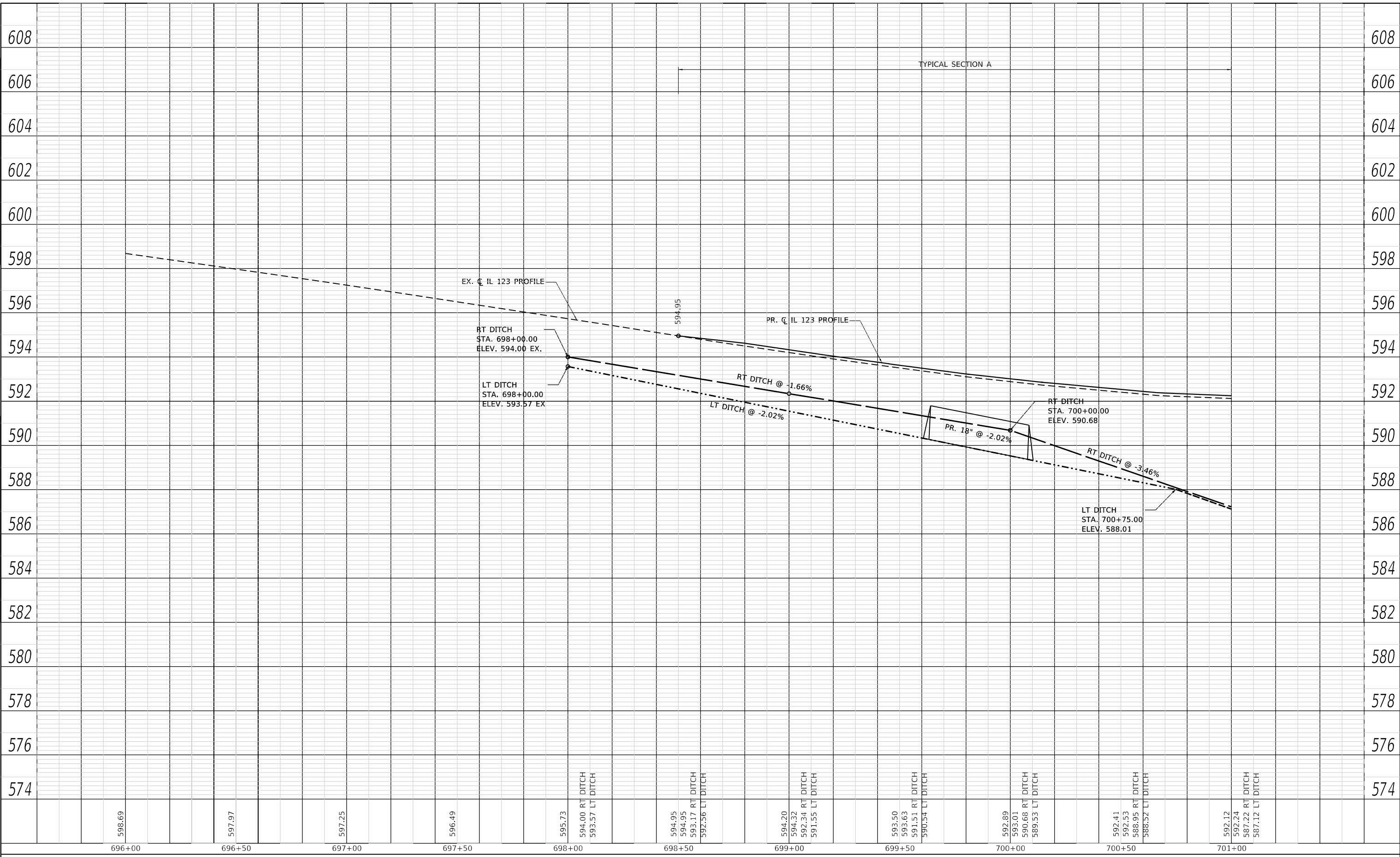
PLAN IL 123	
SCALE: 1" = 20'	SHEET 1 OF 8 SHEETS
STA. 698+50.00 TO STA. 701+00.00	

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	30
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

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	PLOTTED	BY
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	GRADE CHECKED	
	STRUCTURE NOTATION CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATION CHECKED	
	NOTE BOOK NO.	
	CADD FILE NAME	

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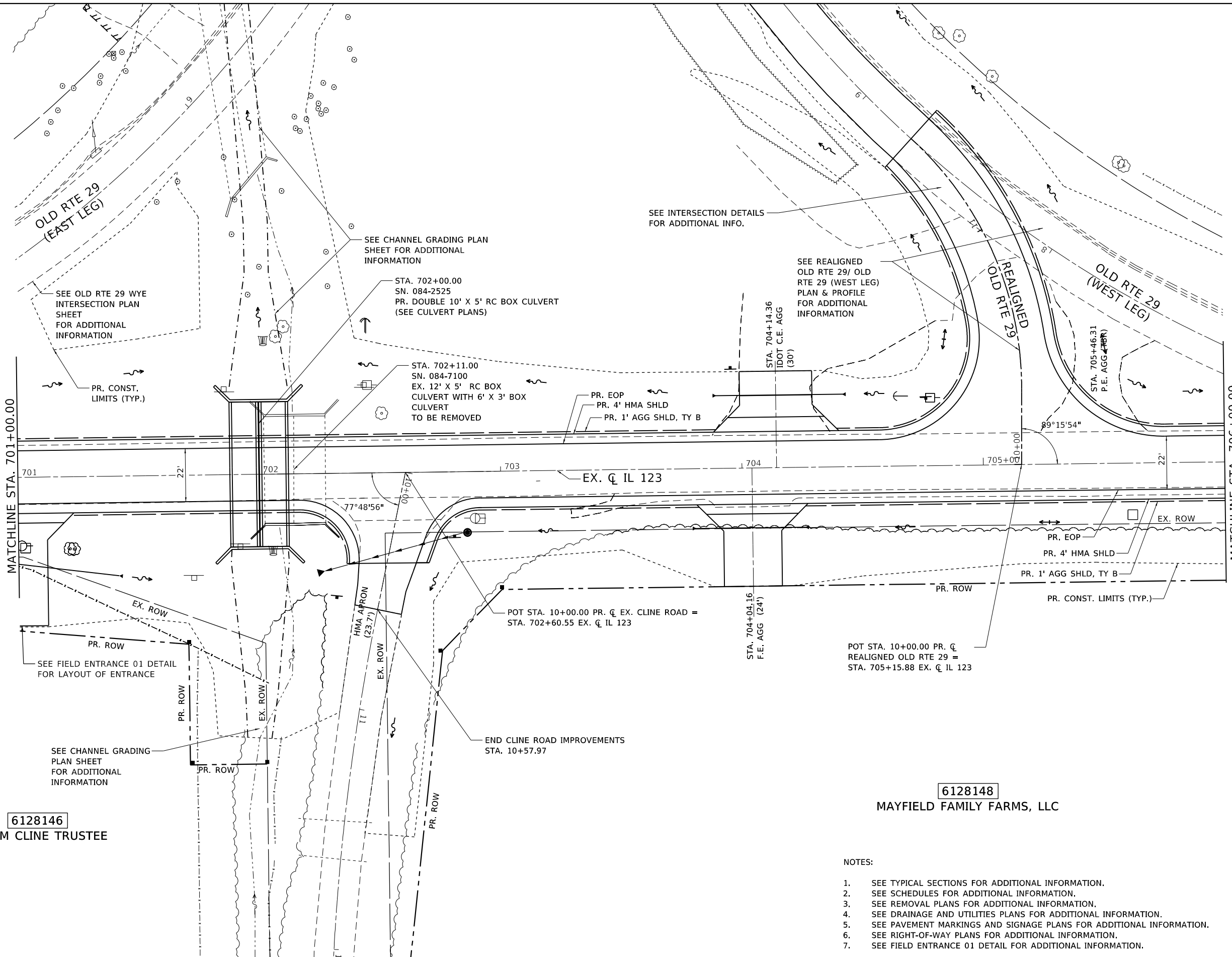
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PLOT DATE = 5/7/2020	CHECKED - JWS	REVISED -
	DATE - APRIL 2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PROFILE</b>	
<b>IL 123</b>	
SCALE: 1" = 20'	SHEET 2 OF 8 SHEETS
STA. 696+00.00 TO STA. 701+00.00	

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	31
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

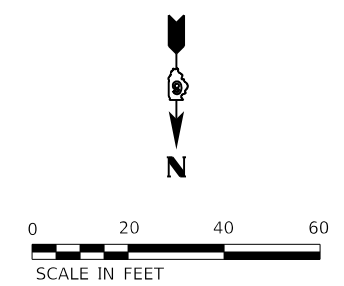
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6128146  
OMA M CLINE TRUSTEE

6128148  
MAYFIELD FAMILY FARMS, LLC

- NOTES:
1. SEE TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.
  2. SEE SCHEDULES FOR ADDITIONAL INFORMATION.
  3. SEE REMOVAL PLANS FOR ADDITIONAL INFORMATION.
  4. SEE DRAINAGE AND UTILITIES PLANS FOR ADDITIONAL INFORMATION.
  5. SEE PAVEMENT MARKINGS AND SIGNAGE PLANS FOR ADDITIONAL INFORMATION.
  6. SEE RIGHT-OF-WAY PLANS FOR ADDITIONAL INFORMATION.
  7. SEE FIELD ENTRANCE 01 DETAIL FOR ADDITIONAL INFORMATION.



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DRAWN - MLS	REVISIONS -	
PLOT SCALE = 40.0000' / in.	CHECKED - JWS	REVISIONS -
PLOT DATE = 5/7/2020	DATE - APRIL 2019	REVISIONS -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SCALE: 1" = 20'		SHEET 3 OF 8 SHEETS	PLAN IL 123	STA. 701+00.00 TO STA. 706+00.00
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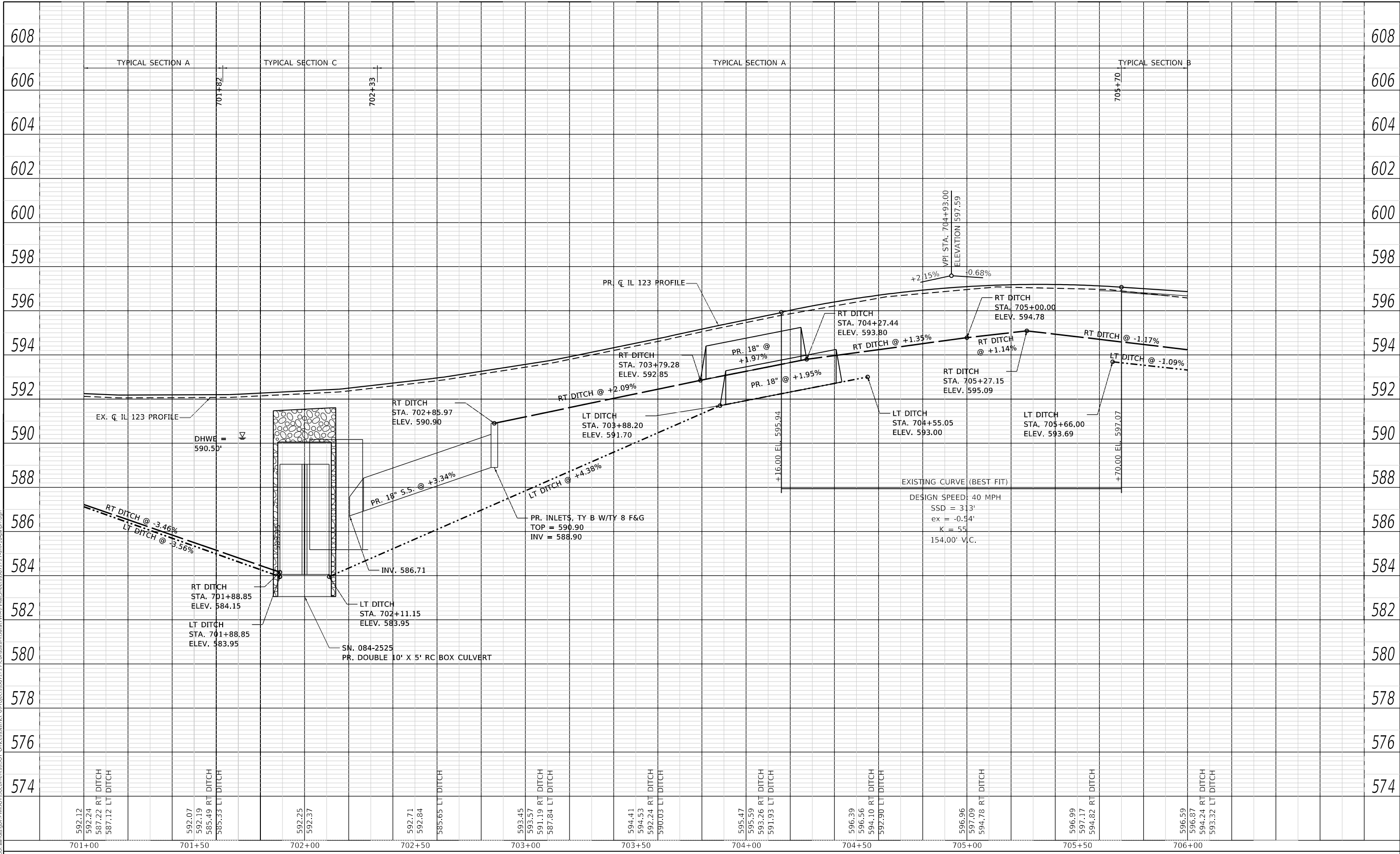
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CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				



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NO.	GRADE CHECKED	
NO.	STRUCTURE NOTATIONS CHECKED	
NO.	CADD FILE NAME	

PROFILE	SURVEYED	DATE
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NO.	ALIGNMENT CHECKED	
NO.	GRADE CHECKED	
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USER NAME = whitlingme
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PLOT DATE = 5/7/2020

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DATE - APRIL 2019	REVISED -

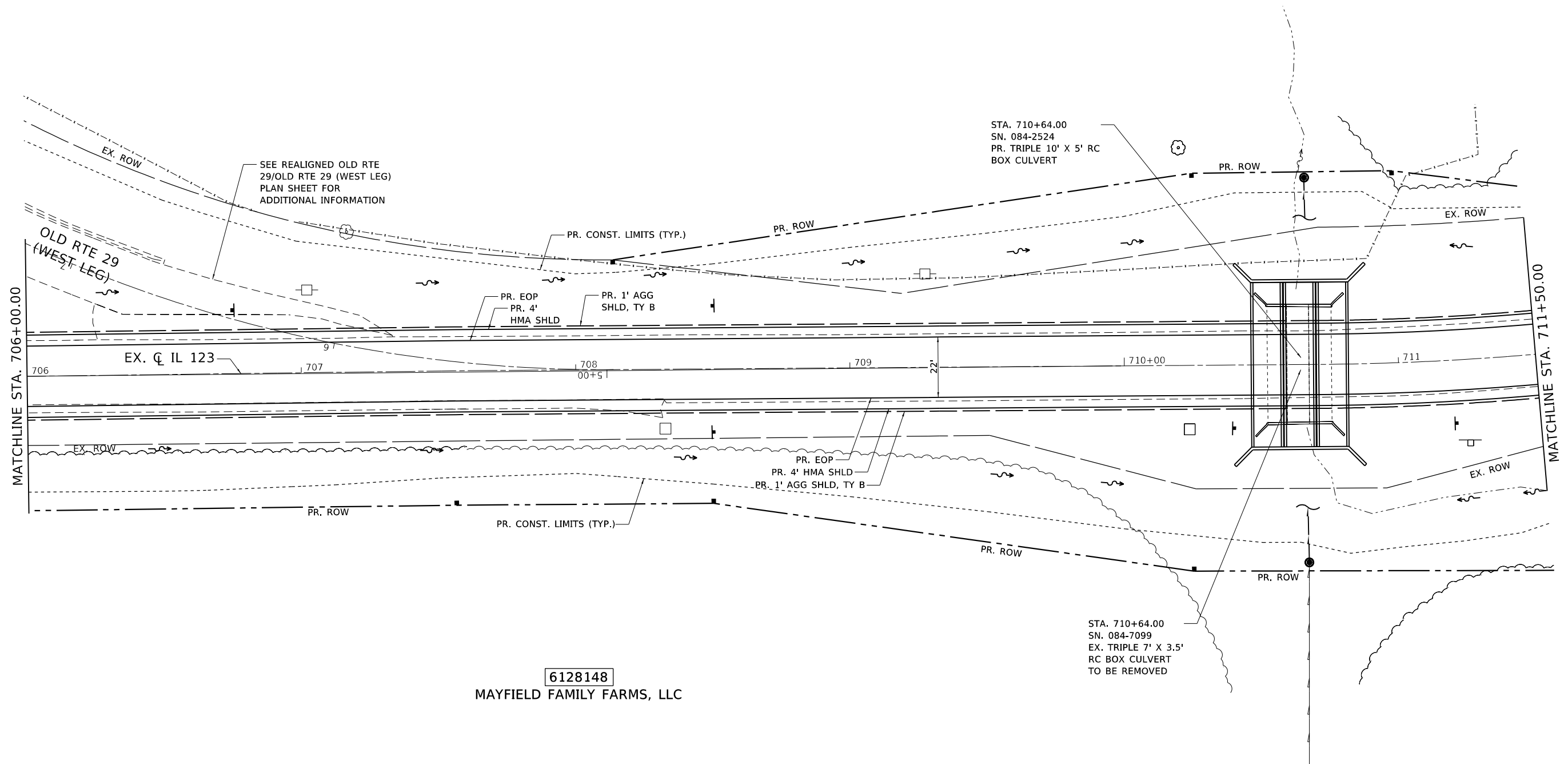
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

SCALE: 1" = 20' SHEET 4 OF 8 SHEETS STA. 701+00.00 TO STA. 706+00.00

**PROFILE  
 IL 123**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	33
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

6128149  
 OMA M CLINE TRUSTEE



6128148  
 MAYFIELD FAMILY FARMS, LLC

NOTES:

1. SEE TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.
2. SEE SCHEDULES FOR ADDITIONAL INFORMATION.
3. SEE REMOVAL PLANS FOR ADDITIONAL INFORMATION.
4. SEE DRAINAGE AND UTILITIES PLANS FOR ADDITIONAL INFORMATION.
5. SEE PAVEMENT MARKINGS AND SIGNAGE PLANS FOR ADDITIONAL INFORMATION.
6. SEE RIGHT-OF-WAY PLANS FOR ADDITIONAL INFORMATION.



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PLOT DATE = 5/7/2020	DATE - APRIL 2019	REVISED -

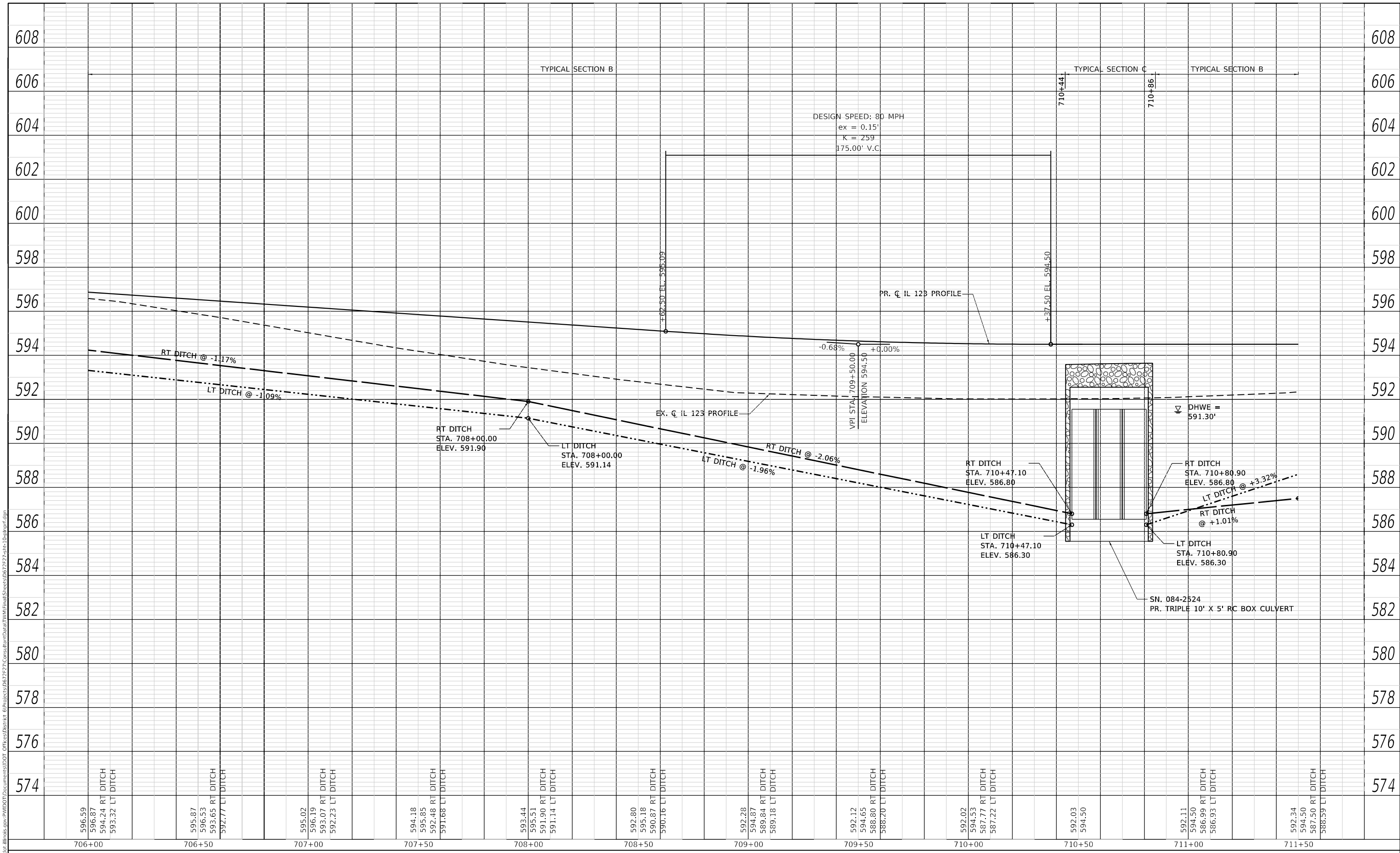
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PLAN IL 123				
SCALE: 1" = 20'	SHEET 5 OF 8 SHEETS	STA. 706+00.00 TO STA. 711+50.00		

F.A.S. RTE. 1645	SECTION (B) CR	COUNTY SANGAMON	TOTAL SHEETS 119	SHEET NO. 34
			CONTRACT NO. 72F27	
ILLINOIS FED. AID PROJECT				

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	PLOTTED	BY
	ALIGNMENT CHECKED	
	GRADE CHECKED	
	NOTE BOOK NO.	
	FILE NAME	

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	FILE NAME	



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PLOT DATE = 5/7/2020	CHECKED - JWS	REVISED -
	DATE - APRIL 2019	REVISED -

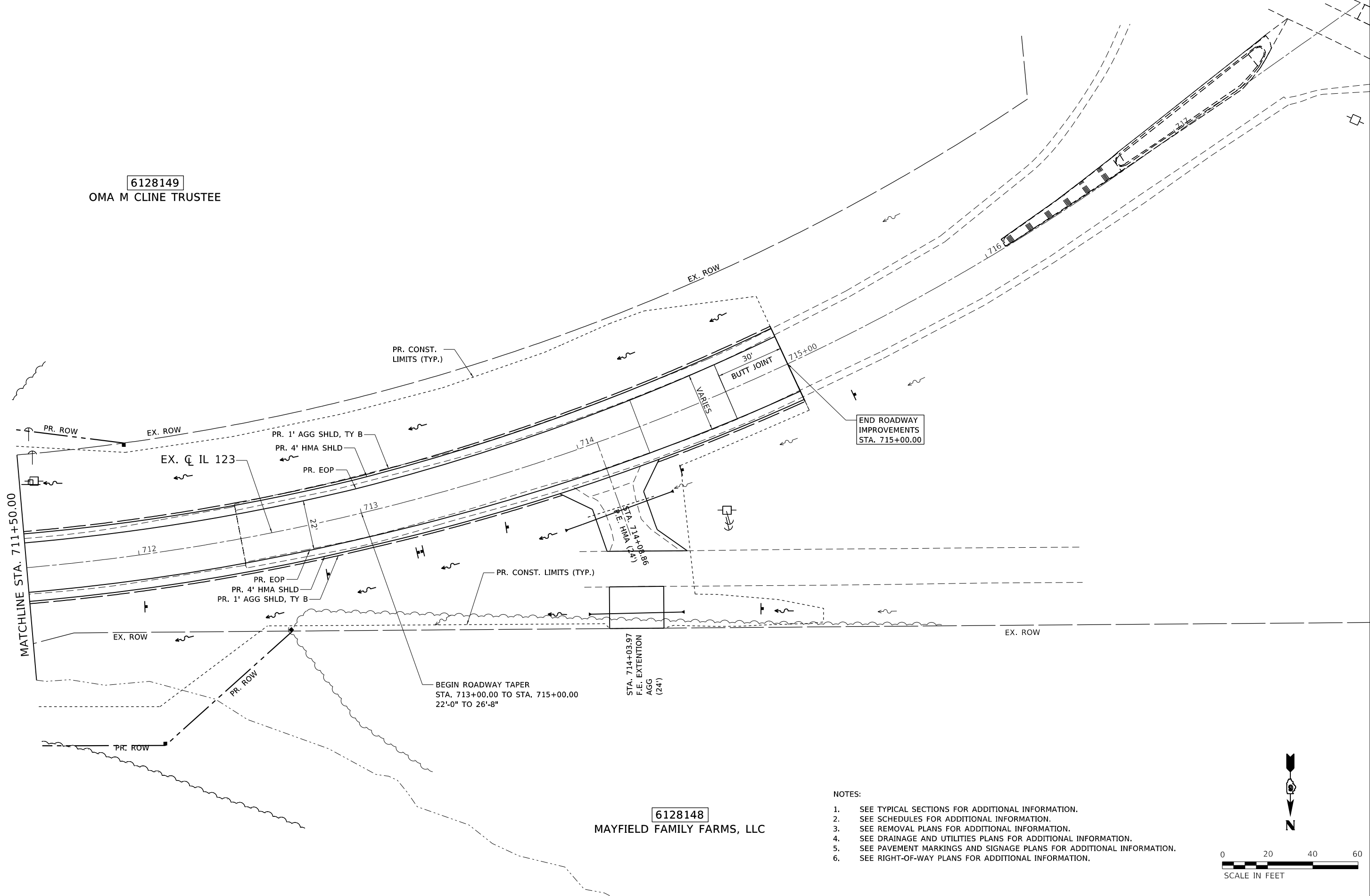
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

PROFILE IL 123		
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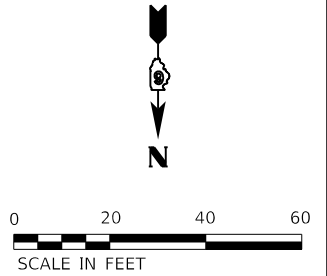
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CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

6128149  
OMA M CLINE TRUSTEE

6128148  
MAYFIELD FAMILY FARMS, LLC



- NOTES:
1. SEE TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.
  2. SEE SCHEDULES FOR ADDITIONAL INFORMATION.
  3. SEE REMOVAL PLANS FOR ADDITIONAL INFORMATION.
  4. SEE DRAINAGE AND UTILITIES PLANS FOR ADDITIONAL INFORMATION.
  5. SEE PAVEMENT MARKINGS AND SIGNAGE PLANS FOR ADDITIONAL INFORMATION.
  6. SEE RIGHT-OF-WAY PLANS FOR ADDITIONAL INFORMATION.



MOE: j...  
 FILE: ...



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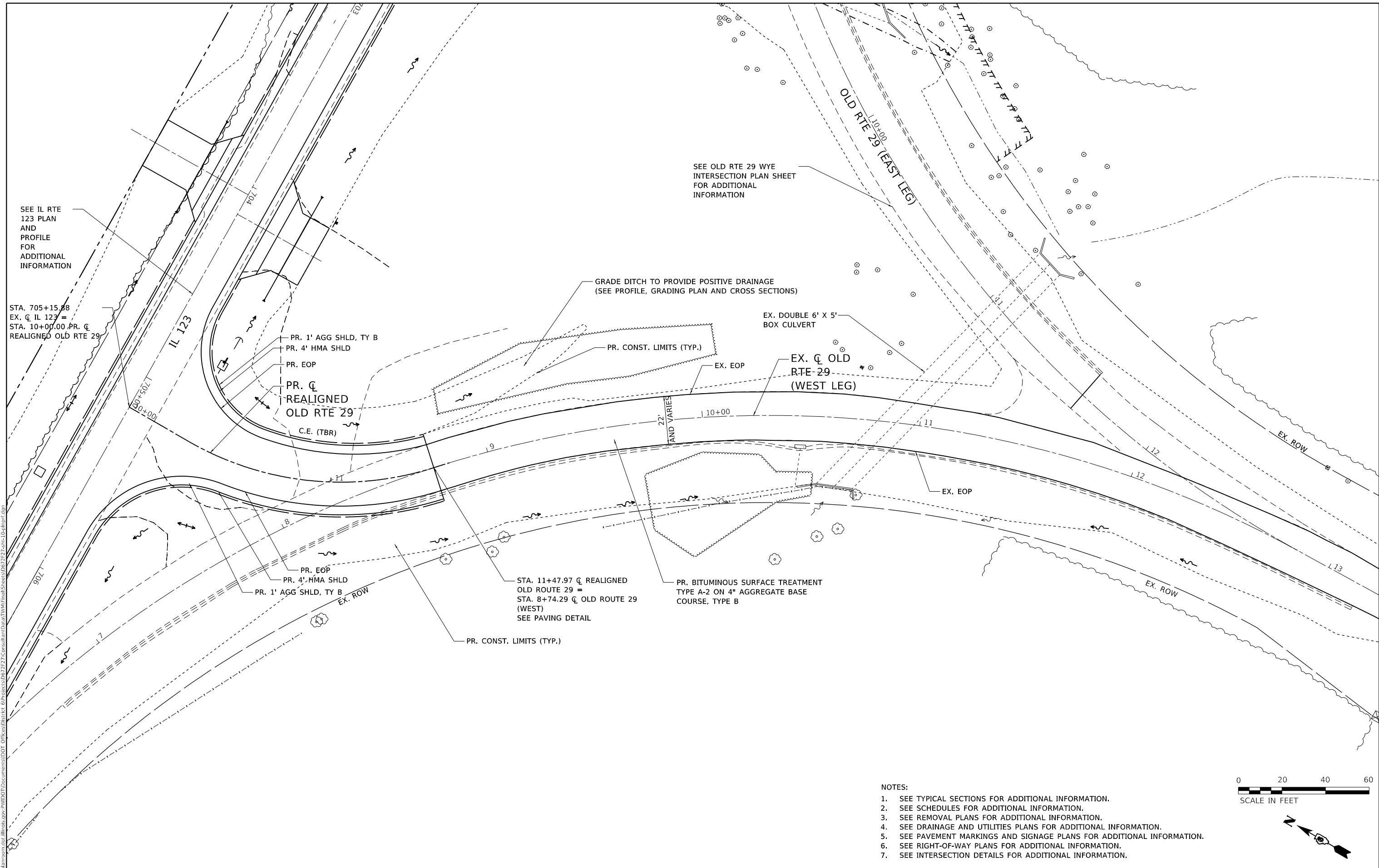
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PLAN IL 123	
SCALE: 1" = 20'	SHEET 7 OF 8 SHEETS
STA. 711+50.00 TO STA. 715+00.00	

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	36
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				



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SEE IL RTE 123 PLAN AND PROFILE FOR ADDITIONAL INFORMATION

STA. 705+15.88  
EX. C. IL 123 =  
STA. 10+00.00, PR. C.  
REALIGNED OLD RTE 29

PR. 1' AGG SHLD, TY B  
PR. 4' HMA SHLD  
PR. EOP  
PR. C.  
REALIGNED  
OLD RTE 29  
C.E. (TBR)

SEE OLD RTE 29 WYE INTERSECTION PLAN SHEET FOR ADDITIONAL INFORMATION

GRADE DITCH TO PROVIDE POSITIVE DRAINAGE (SEE PROFILE, GRADING PLAN AND CROSS SECTIONS)

EX. DOUBLE 6' X 5' BOX CULVERT

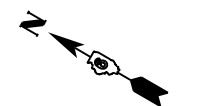
EX. C. OLD RTE-29 (WEST LEG)

STA. 11+47.97 C. REALIGNED OLD ROUTE 29 =  
STA. 8+74.29 C. OLD ROUTE 29 (WEST)  
SEE PAVING DETAIL

PR. BITUMINOUS SURFACE TREATMENT TYPE A-2 ON 4\"/>

**NOTES:**

1. SEE TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.
2. SEE SCHEDULES FOR ADDITIONAL INFORMATION.
3. SEE REMOVAL PLANS FOR ADDITIONAL INFORMATION.
4. SEE DRAINAGE AND UTILITIES PLANS FOR ADDITIONAL INFORMATION.
5. SEE PAVEMENT MARKINGS AND SIGNAGE PLANS FOR ADDITIONAL INFORMATION.
6. SEE RIGHT-OF-WAY PLANS FOR ADDITIONAL INFORMATION.
7. SEE INTERSECTION DETAILS FOR ADDITIONAL INFORMATION.



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

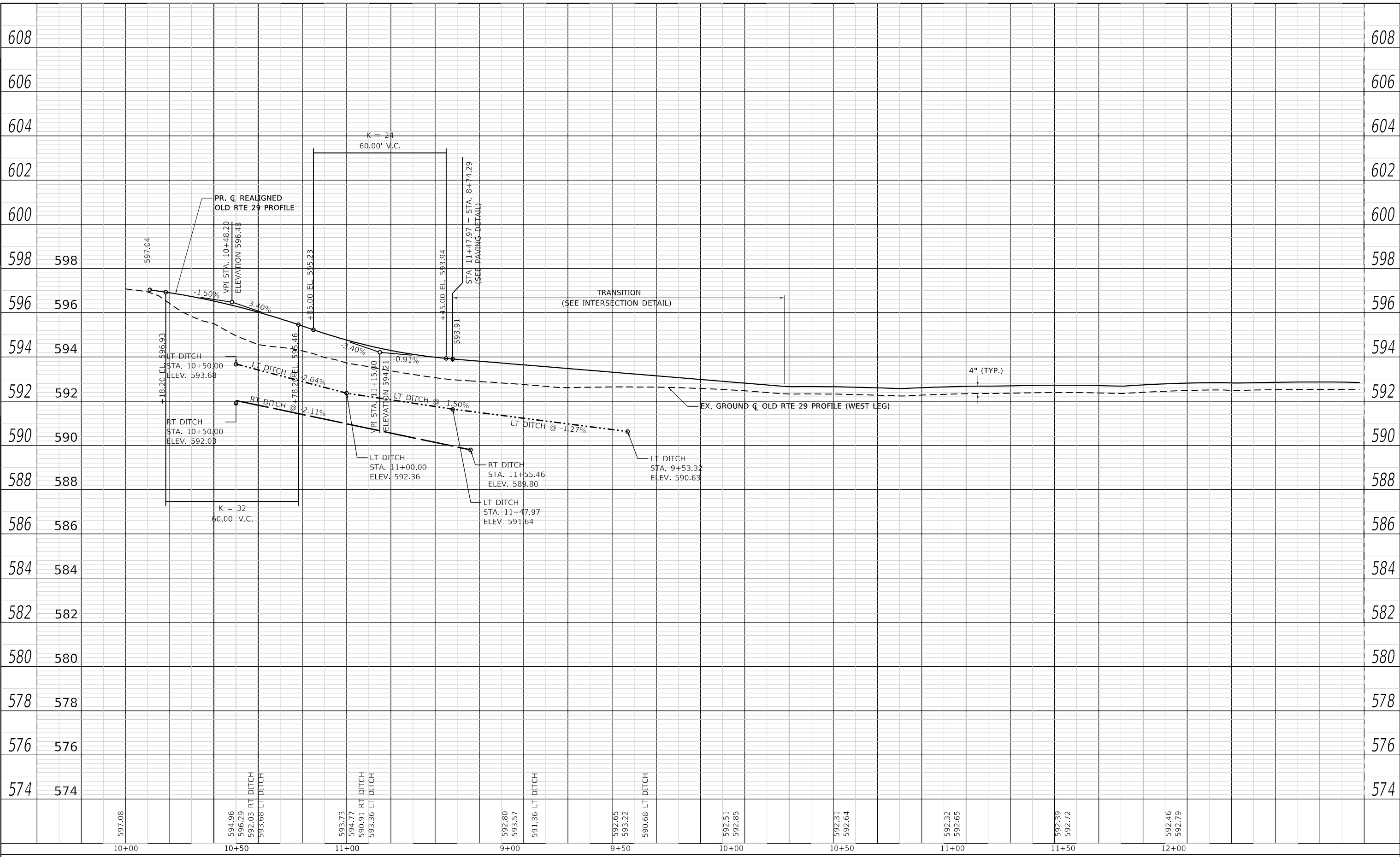
<b>PLAN</b>	
<b>REALIGNED OLD RTE 29 / OLD RTE 29 (WEST LEG)</b>	
SCALE: 1" = 20'	SHEET 1 OF 2 SHEETS
STA. 10+00.00	TO STA. 11+47.97

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	38
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
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	NOTE BOOK	
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	CADD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
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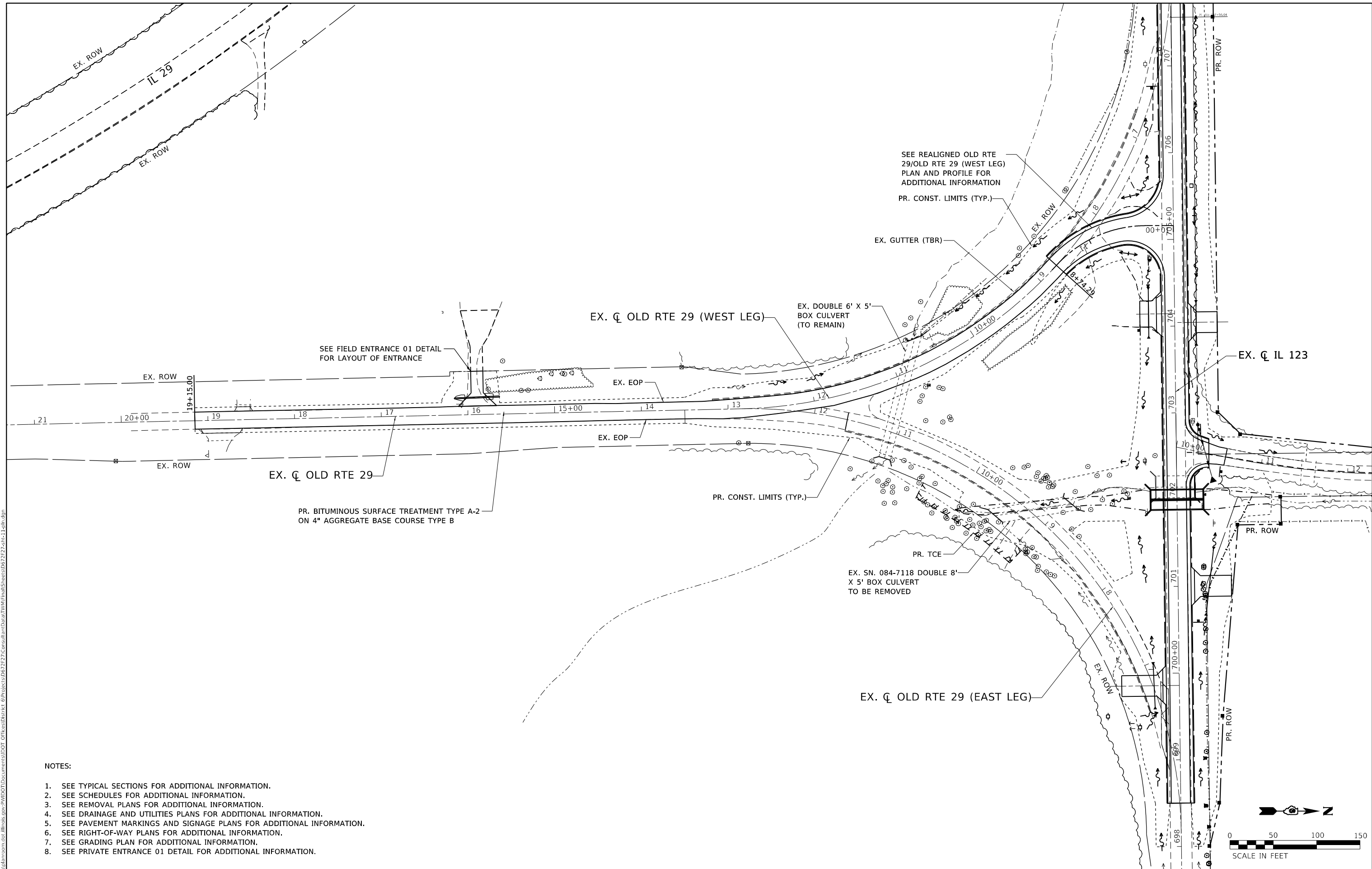
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

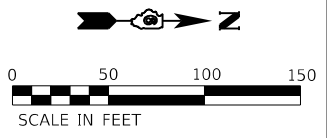
<b>PROFILE</b>			
<b>REALIGNED OLD RTE 29 / OLD RTE 29 (WEST LEG)</b>			
SCALE: 1" = 20'	SHEET 2 OF 2 SHEETS	STA. 10+00.00	TO STA. 11+47.97

F.A.S. RTE. 1645	SECTION (B) CR	COUNTY SANGAMON	TOTAL SHEETS 119	SHEET NO. 39
CONTRACT NO. 72F27				ILLINOIS FED. AID PROJECT

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- NOTES:**
1. SEE TYPICAL SECTIONS FOR ADDITIONAL INFORMATION.
  2. SEE SCHEDULES FOR ADDITIONAL INFORMATION.
  3. SEE REMOVAL PLANS FOR ADDITIONAL INFORMATION.
  4. SEE DRAINAGE AND UTILITIES PLANS FOR ADDITIONAL INFORMATION.
  5. SEE PAVEMENT MARKINGS AND SIGNAGE PLANS FOR ADDITIONAL INFORMATION.
  6. SEE RIGHT-OF-WAY PLANS FOR ADDITIONAL INFORMATION.
  7. SEE GRADING PLAN FOR ADDITIONAL INFORMATION.
  8. SEE PRIVATE ENTRANCE 01 DETAIL FOR ADDITIONAL INFORMATION.



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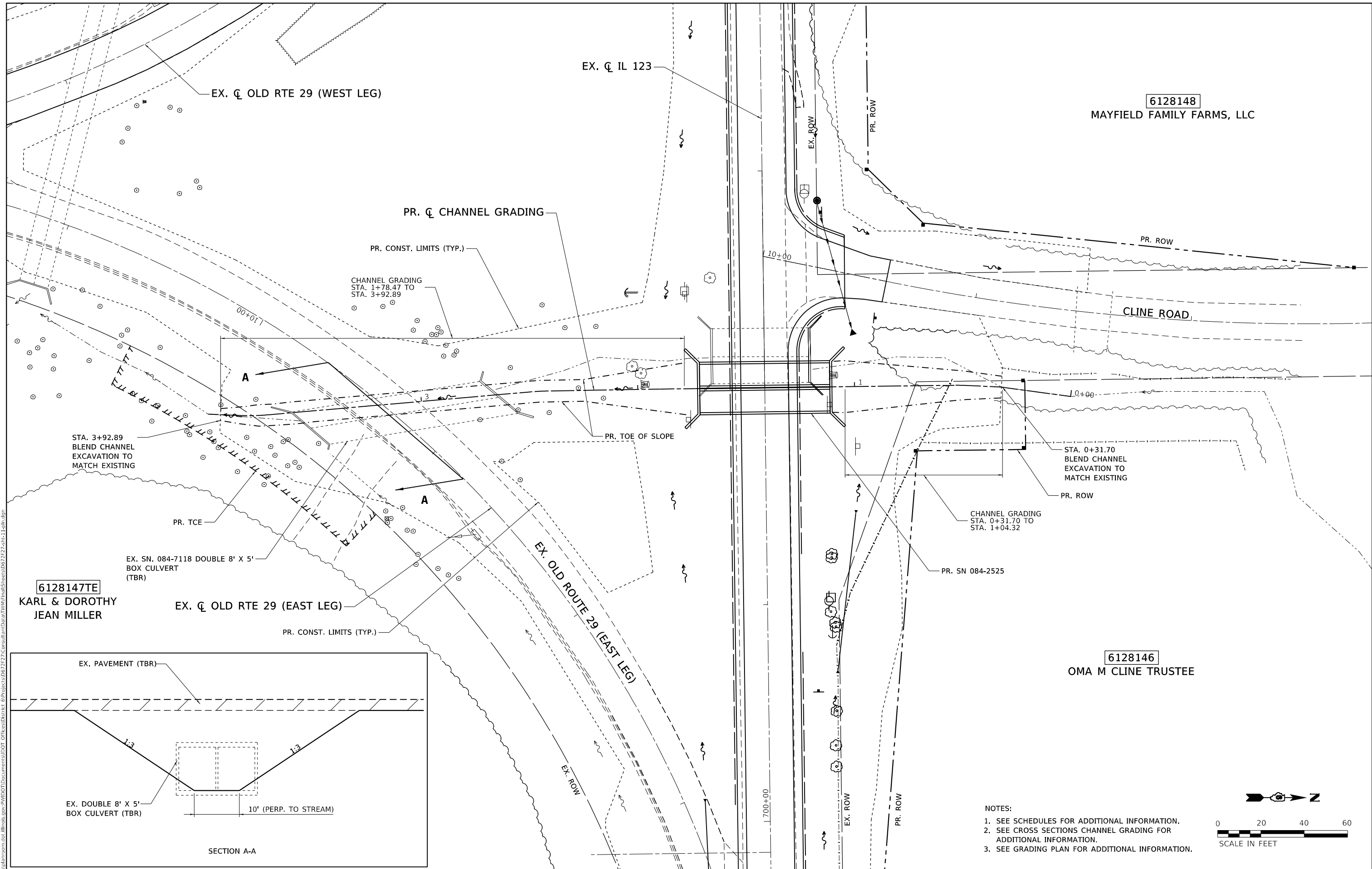
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>PLAN SHEET</b>	
<b>OLD RTE 29 WYE INTERSECTION</b>	
SCALE: 1" = 50'	SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	40
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				



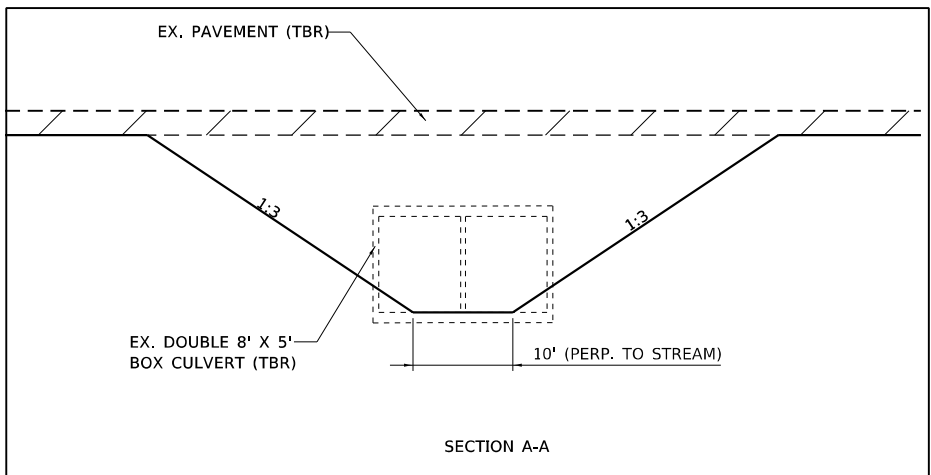
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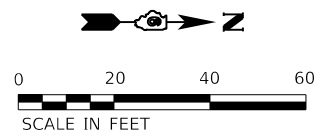
6128148  
MAYFIELD FAMILY FARMS, LLC

6128146  
OMA M CLINE TRUSTEE

6128147TE  
KARL & DOROTHY  
JEAN MILLER



- NOTES:
1. SEE SCHEDULES FOR ADDITIONAL INFORMATION.
  2. SEE CROSS SECTIONS CHANNEL GRADING FOR ADDITIONAL INFORMATION.
  3. SEE GRADING PLAN FOR ADDITIONAL INFORMATION.



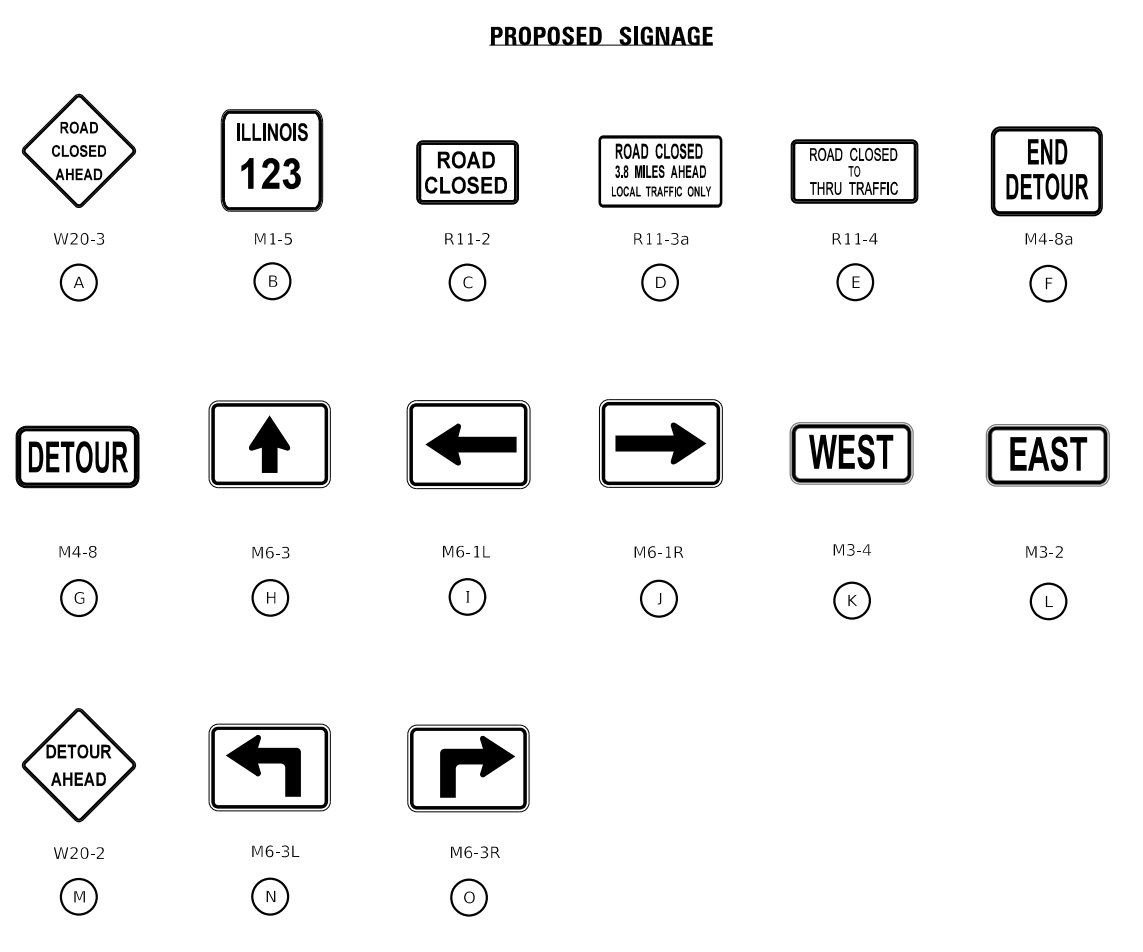
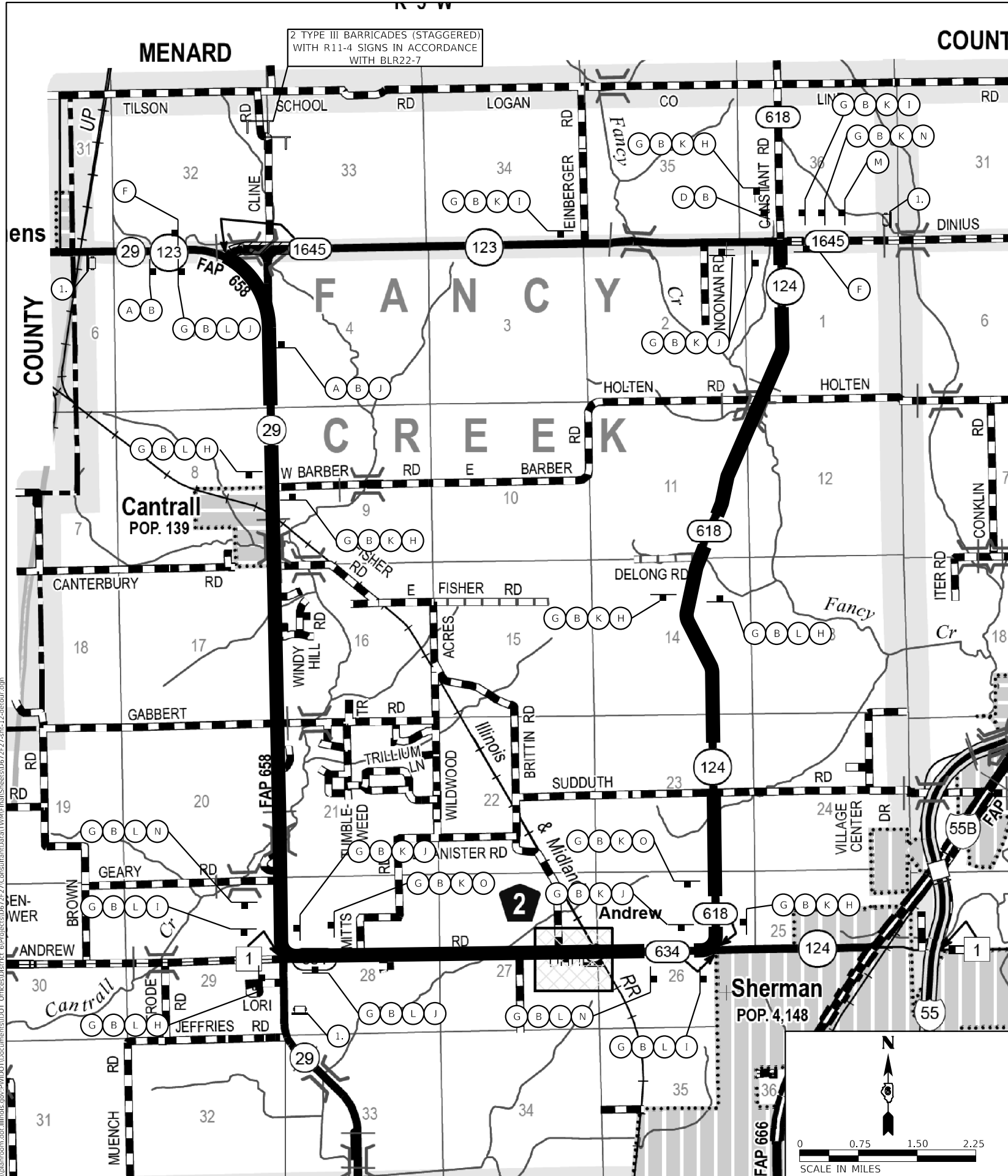
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	DATE - APRIL 2019	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PLAN SHEET  
CHANNEL GRADING

SCALE: 1" = 50' SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	41
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				



### CHANGEABLE MESSAGE SIGN SUGGESTED TEXT

- (1) IL 123 CLOSED STARTING XX-XX-20 (FOR 14 DAYS PRIOR TO CLOSURE)
- (1) IL 123 CLOSED FOLLOW DETOUR (DURING CLOSURE)

### LEGEND

- PROPOSED POST MOUNTED SIGN
- TYPE III BARRICADE
- CHANGEABLE MESSAGE SIGN
- DETOUR ROUTE
- WORK ZONE

### NOTES

- ALL CHANGEABLE MESSAGE SIGNS TO BE PLACED AS SHOWN ON THE PLAN OR AT THE DIRECTION OF THE ENGINEER. MESSAGES POSTED ON THE CHANGEABLE MESSAGE SIGNS SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. COST INCLUDED IN THE COST OF CHANGEABLE MESSAGE SIGNS.
- ALL ROAD CLOSURE SIGNAGE TO BE PLACED IN ACCORDANCE WITH BLR21-9 AND BLR22-7 PER THE DIRECTION OF THE ENGINEER.

MOE:\1 - Default... PROJECT NO. 1645... CONTRACT NO. 72F27



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 PLOT DATE = 5/7/2020  
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REVISID -  
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 REVISID -





STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DETOUR PLAN

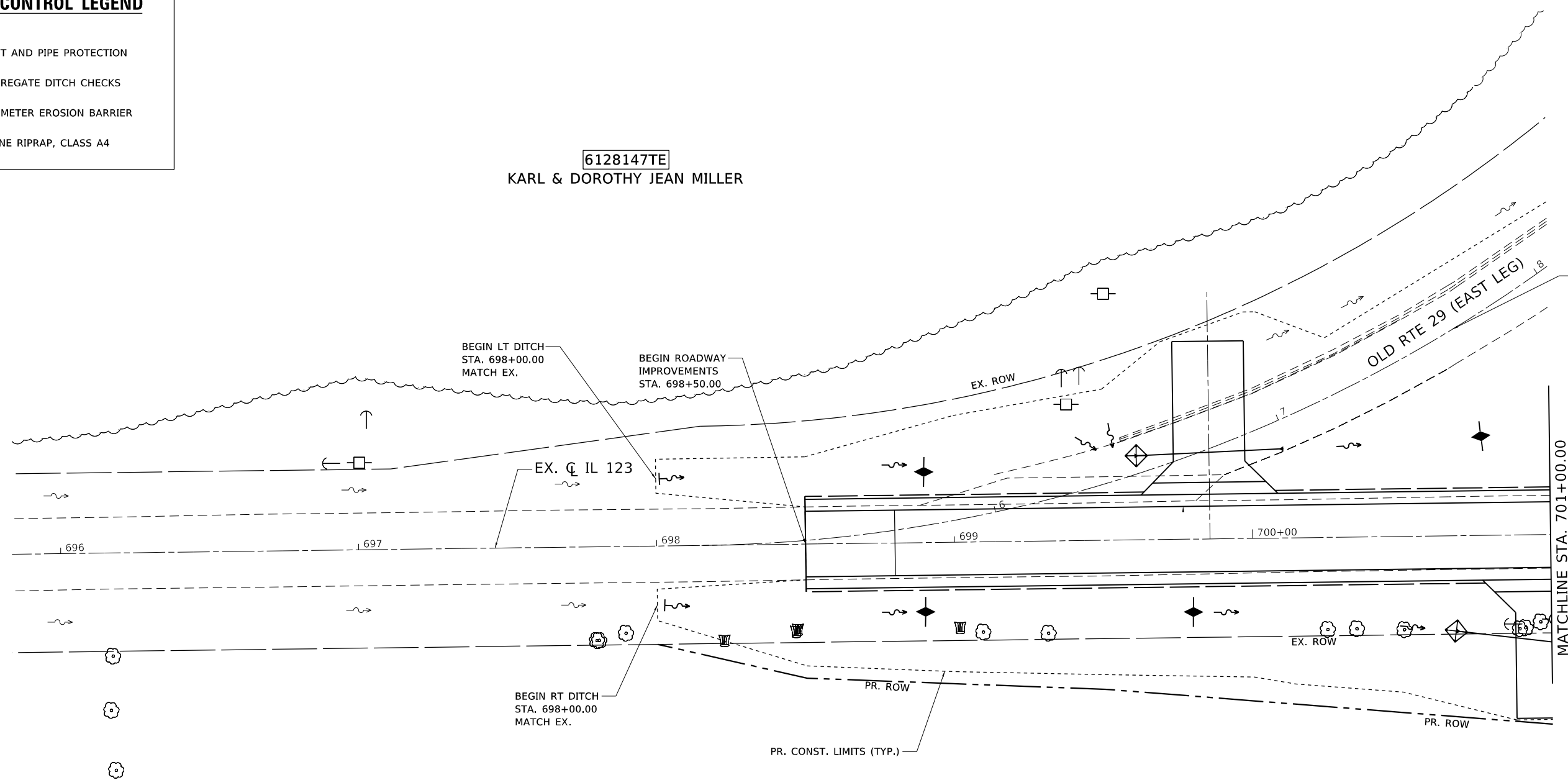
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1645	(B) CR	SANGAMON	119	42
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

**EROSION CONTROL LEGEND**

-  INLET AND PIPE PROTECTION
-  AGGREGATE DITCH CHECKS
-  PERIMETER EROSION BARRIER
-  STONE RIPRAP, CLASS A4

**6128147TE**  
KARL & DOROTHY JEAN MILLER



SEE OLD RTE 29 (EAST LEG) EROSION CONTROL PLAN FOR INFORMATION

**6128146**  
OMA M CLINE TRUSTEE

**NOTES:**

1. SEE SCHEDULES FOR STATIONS AND OFFSETS OF VARIOUS EROSION CONTROL ITEMS.
2. SEE DRAINAGE AND UTILITIES PLANS FOR STATIONS AND OFFSETS OF VARIOUS EROSION CONTROL ITEMS.
3. SEE SEEDING PLAN FOR STATIONS AND OFFSETS OF VARIOUS EROSION CONTROL ITEMS.



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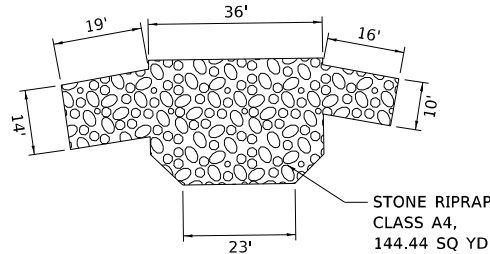
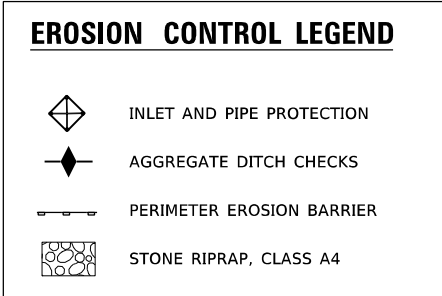
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PLOT DATE = 5/7/2020		

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

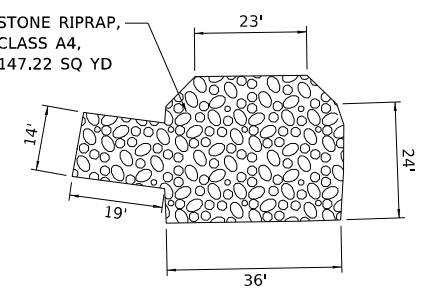
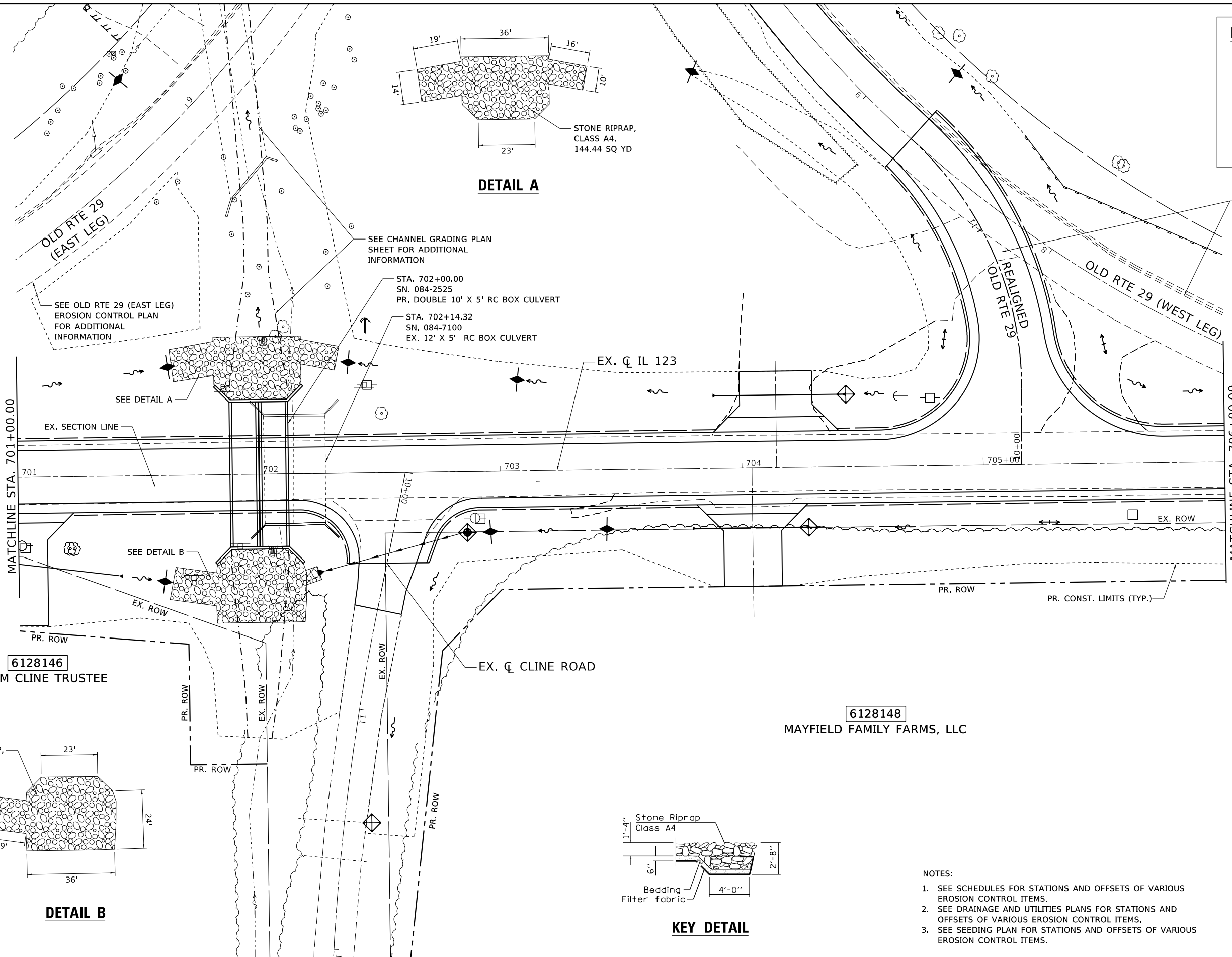
**EROSION CONTROL PLAN  
IL 123**

SCALE: 1" = 20' SHEET 1 OF 6 SHEETS STA. 698+00.00 TO STA. 701+00.00

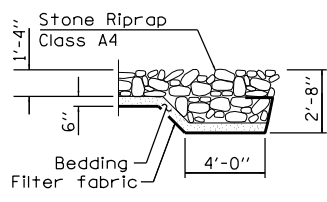
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1645	(B) CR	SANGAMON	119	43
			CONTRACT NO. 72F27	
ILLINOIS FED. AID PROJECT				



**DETAIL A**

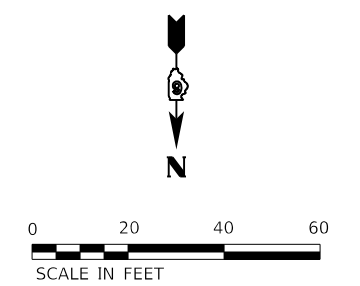


**DETAIL B**



**KEY DETAIL**

- NOTES:**
1. SEE SCHEDULES FOR STATIONS AND OFFSETS OF VARIOUS EROSION CONTROL ITEMS.
  2. SEE DRAINAGE AND UTILITIES PLANS FOR STATIONS AND OFFSETS OF VARIOUS EROSION CONTROL ITEMS.
  3. SEE SEEDING PLAN FOR STATIONS AND OFFSETS OF VARIOUS EROSION CONTROL ITEMS.



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**





**EROSION CONTROL PLAN  
IL 123**

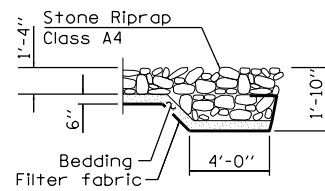
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	44
				CONTRACT NO. 72F27

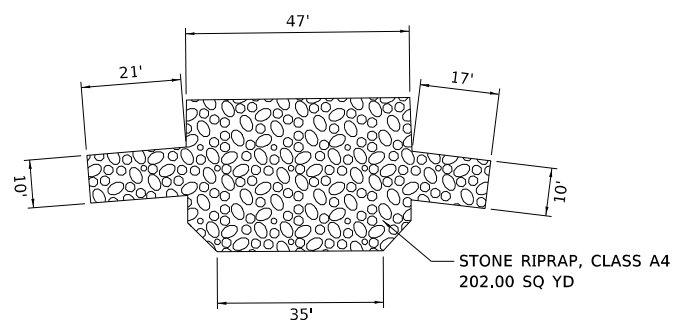
ILLINOIS FED. AID PROJECT

**EROSION CONTROL LEGEND**

-  INLET AND PIPE PROTECTION
-  AGGREGATE DITCH CHECKS
-  PERIMETER EROSION BARRIER
-  STONE RIPRAP, CLASS A4

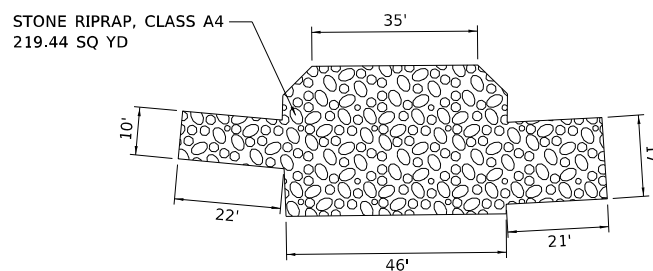
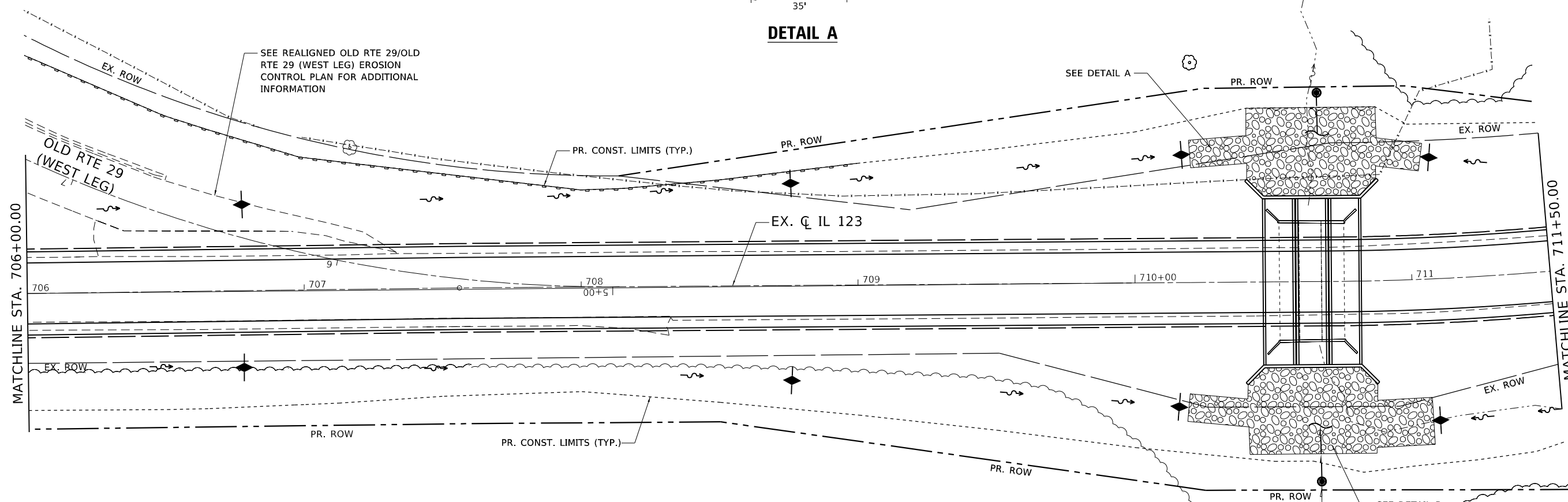


**KEY DETAIL**



**DETAIL A**

6128149  
OMA M CLINE TRUSTEE



**DETAIL B**

6128148  
MAYFIELD FAMILY FARMS, LLC

**NOTES:**

1. SEE SCHEDULES FOR STATIONS AND OFFSETS OF VARIOUS EROSION CONTROL ITEMS.
2. SEE DRAINAGE AND UTILITIES PLANS FOR STATIONS AND OFFSETS OF VARIOUS EROSION CONTROL ITEMS.
3. SEE SEEDING PLAN FOR STATIONS AND OFFSETS OF VARIOUS EROSION CONTROL ITEMS.



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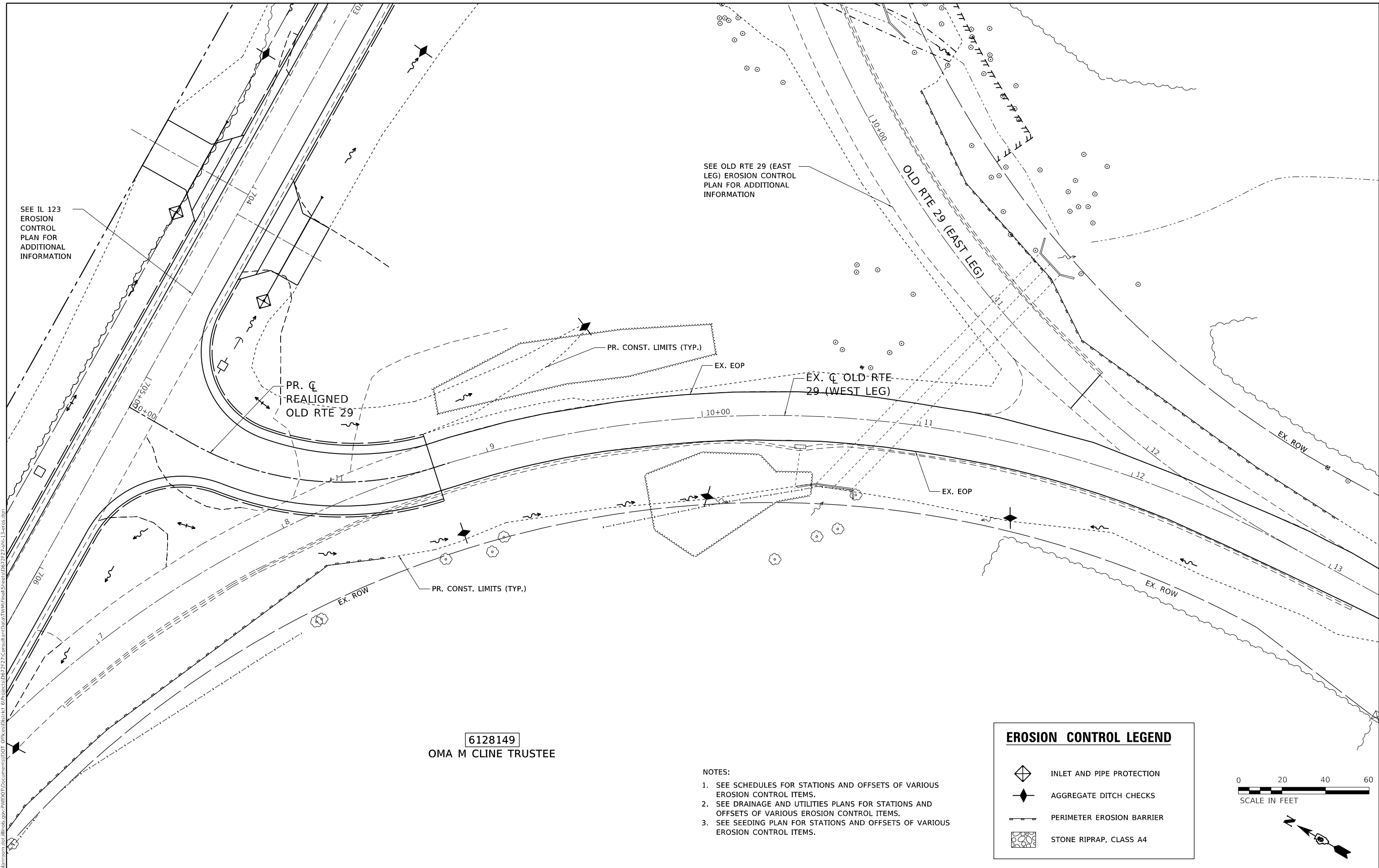
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EROSION CONTROL PLAN  
IL 123**

SCALE: 1" = 20' SHEET 3 OF 6 SHEETS STA. 706+00.00 TO STA. 711+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	45
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				





SEE IL 123  
EROSION  
CONTROL  
PLAN FOR  
ADDITIONAL  
INFORMATION

SEE OLD RTE 29 (EAST  
LEG) EROSION CONTROL  
PLAN FOR ADDITIONAL  
INFORMATION

PR. C  
REALIGNED  
OLD RTE 29

PR. CONST. LIMITS (TYP.)

EX. C OLD RTE  
29 (WEST LEG)

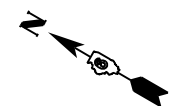
PR. CONST. LIMITS (TYP.)

**6128149**  
OMA M CLINE TRUSTEE

- NOTES:
1. SEE SCHEDULES FOR STATIONS AND OFFSETS OF VARIOUS EROSION CONTROL ITEMS.
  2. SEE DRAINAGE AND UTILITIES PLANS FOR STATIONS AND OFFSETS OF VARIOUS EROSION CONTROL ITEMS.
  3. SEE SEEDING PLAN FOR STATIONS AND OFFSETS OF VARIOUS EROSION CONTROL ITEMS.

**EROSION CONTROL LEGEND**

- INLET AND PIPE PROTECTION
- AGGREGATE DITCH CHECKS
- PERIMETER EROSION BARRIER
- STONE RIPRAP, CLASS A4



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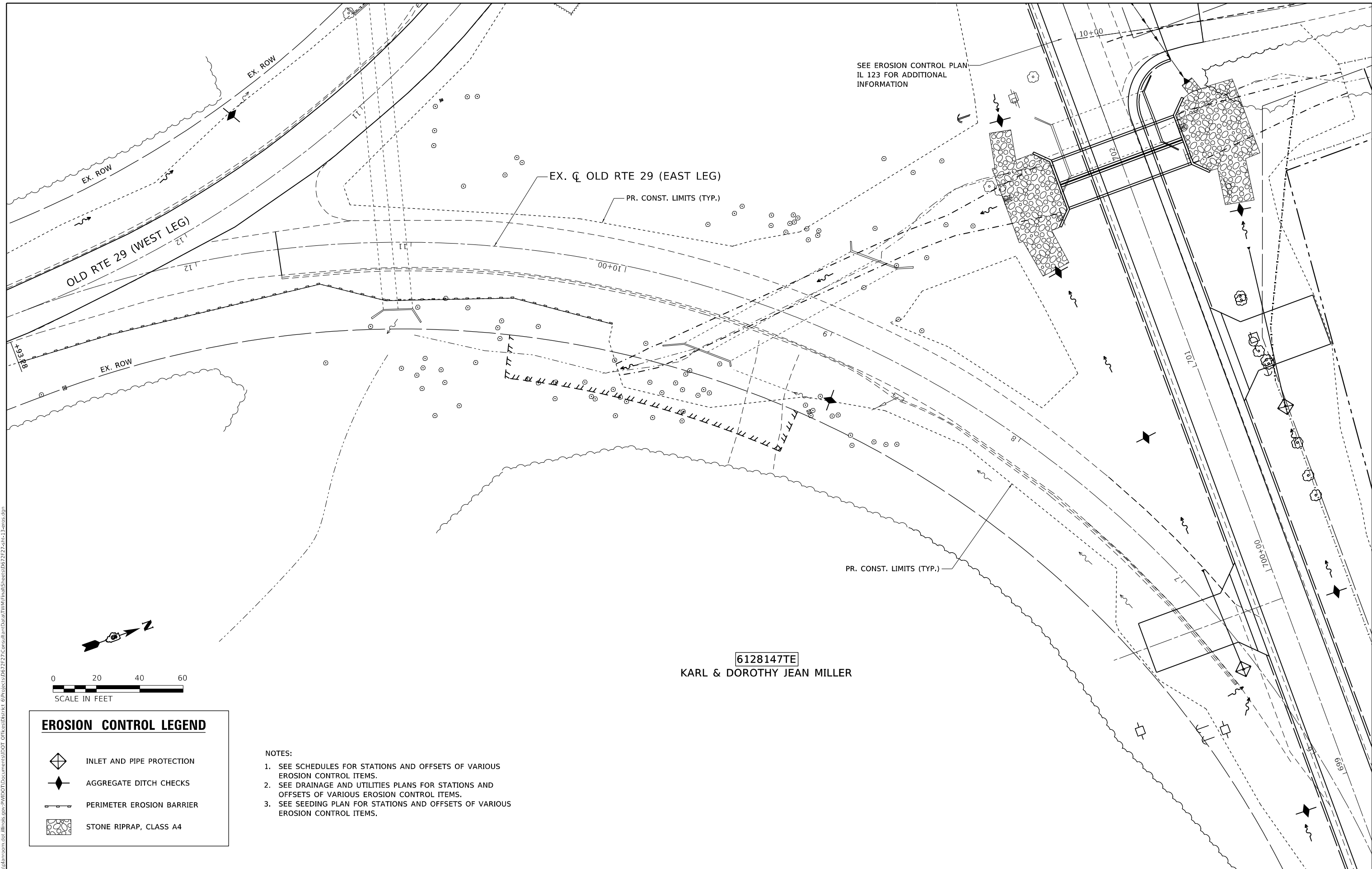


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PLOT DATE = 5/7/2020	DATE - JULY 2019	REVISED -





**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>EROSION CONTROL PLAN</b>	
<b>REALIGNED OLD RTE 29 / OLD RTE 29 (WEST LEG)</b>	
SCALE: 1" = 20'	SHEET 5 OF 6 SHEETS
STA. 10+00.00	TO STA. 8+81.78

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	47
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				



**EROSION CONTROL LEGEND**

-  INLET AND PIPE PROTECTION
-  AGGREGATE DITCH CHECKS
-  PERIMETER EROSION BARRIER
-  STONE RIPRAP, CLASS A4

- NOTES:**
1. SEE SCHEDULES FOR STATIONS AND OFFSETS OF VARIOUS EROSION CONTROL ITEMS.
  2. SEE DRAINAGE AND UTILITIES PLANS FOR STATIONS AND OFFSETS OF VARIOUS EROSION CONTROL ITEMS.
  3. SEE SEEDING PLAN FOR STATIONS AND OFFSETS OF VARIOUS EROSION CONTROL ITEMS.

**6128147TE**  
**KARL & DOROTHY JEAN MILLER**

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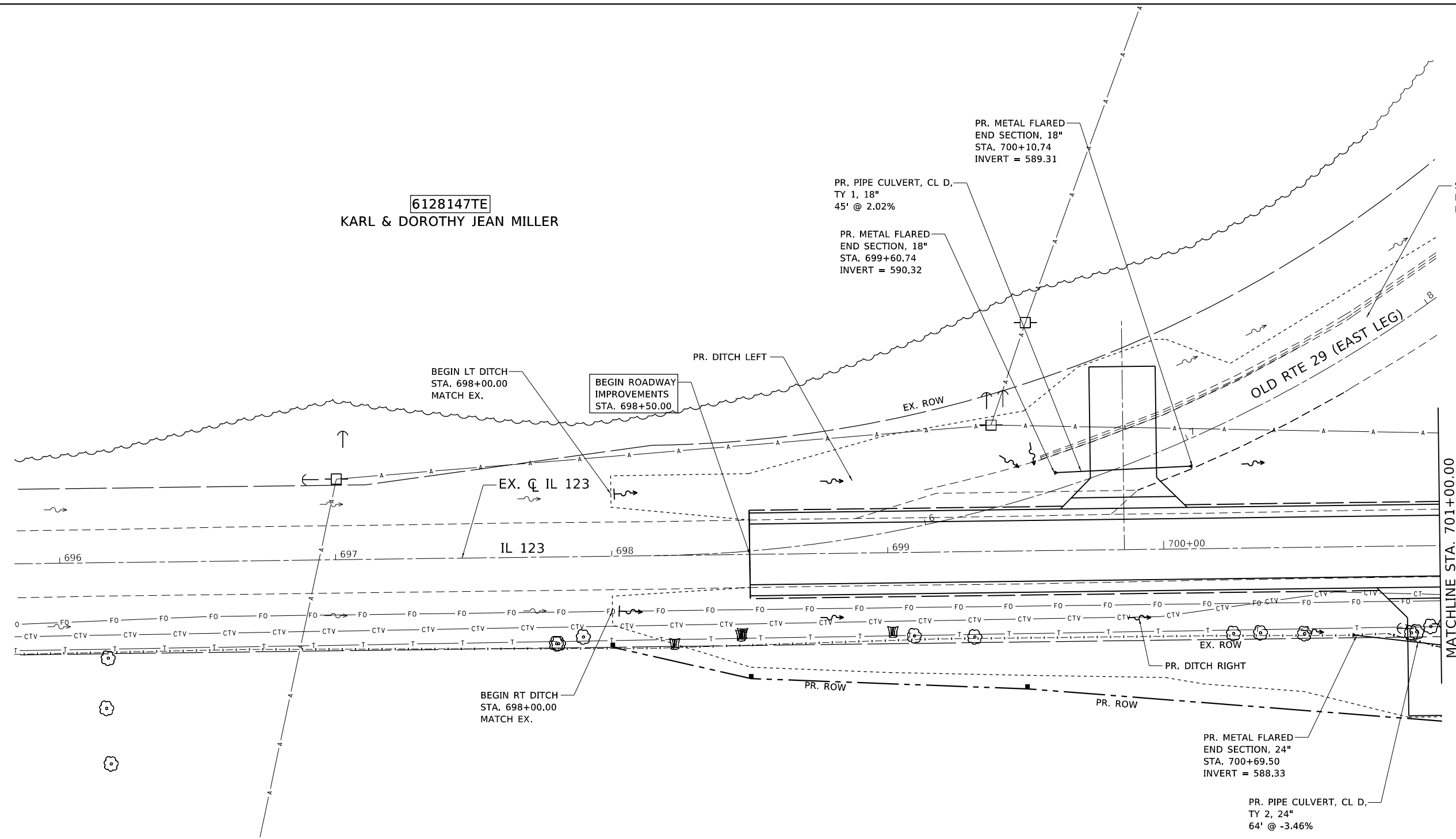
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>EROSION CONTROL PLAN</b>	
<b>OLD RTE 29 (EAST LEG)</b>	
SCALE: 1" = 20'	SHEET 6 OF 6 SHEETS
STA. 6+00.00	TO STA. 12+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	48
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				



6128147TE  
KARL & DOROTHY JEAN MILLER



6128146  
OMA M CLINE TRUSTEE

- NOTES:
- SEE SCHEDULES FOR ADDITIONAL INFORMATION.
  - SEE PLAN AND PROFILES FOR ADDITIONAL INFORMATION.



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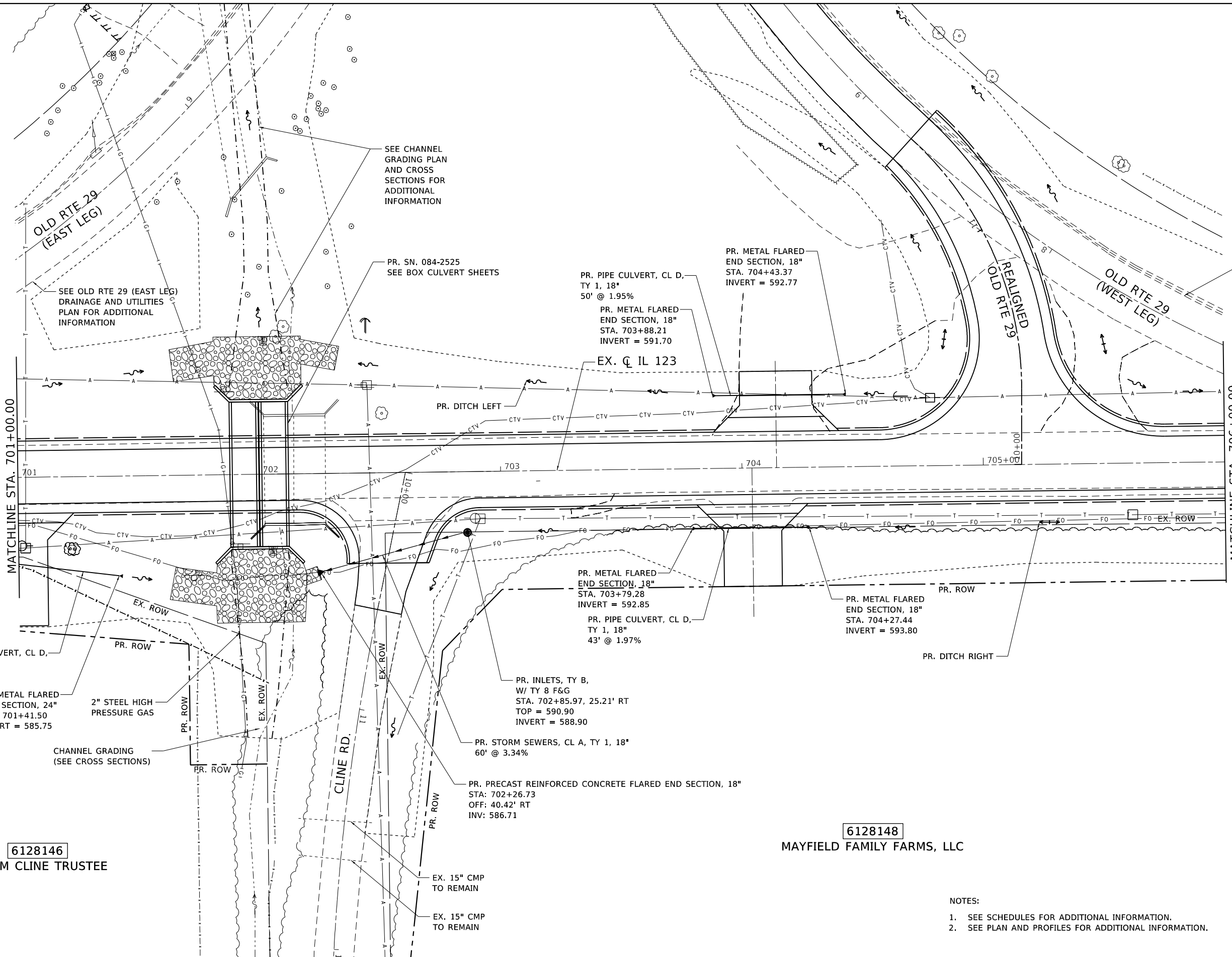
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	DATE - APRIL 2019	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITIES PLAN	
IL 123	
SCALE: 1" = 20'	SHEET 1 OF 6 SHEETS
STA. 698+50.00 TO STA. 701+00.00	

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	49
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

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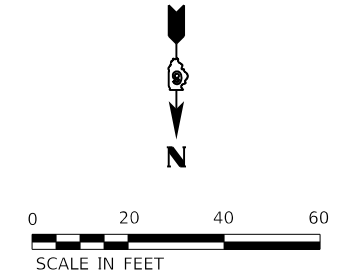
MATCHLINE STA. 701+00.00

MATCHLINE STA. 706+00.00

6128146  
OMA M CLINE TRUSTEE

6128148  
MAYFIELD FAMILY FARMS, LLC

- NOTES:
- SEE SCHEDULES FOR ADDITIONAL INFORMATION.
  - SEE PLAN AND PROFILES FOR ADDITIONAL INFORMATION.



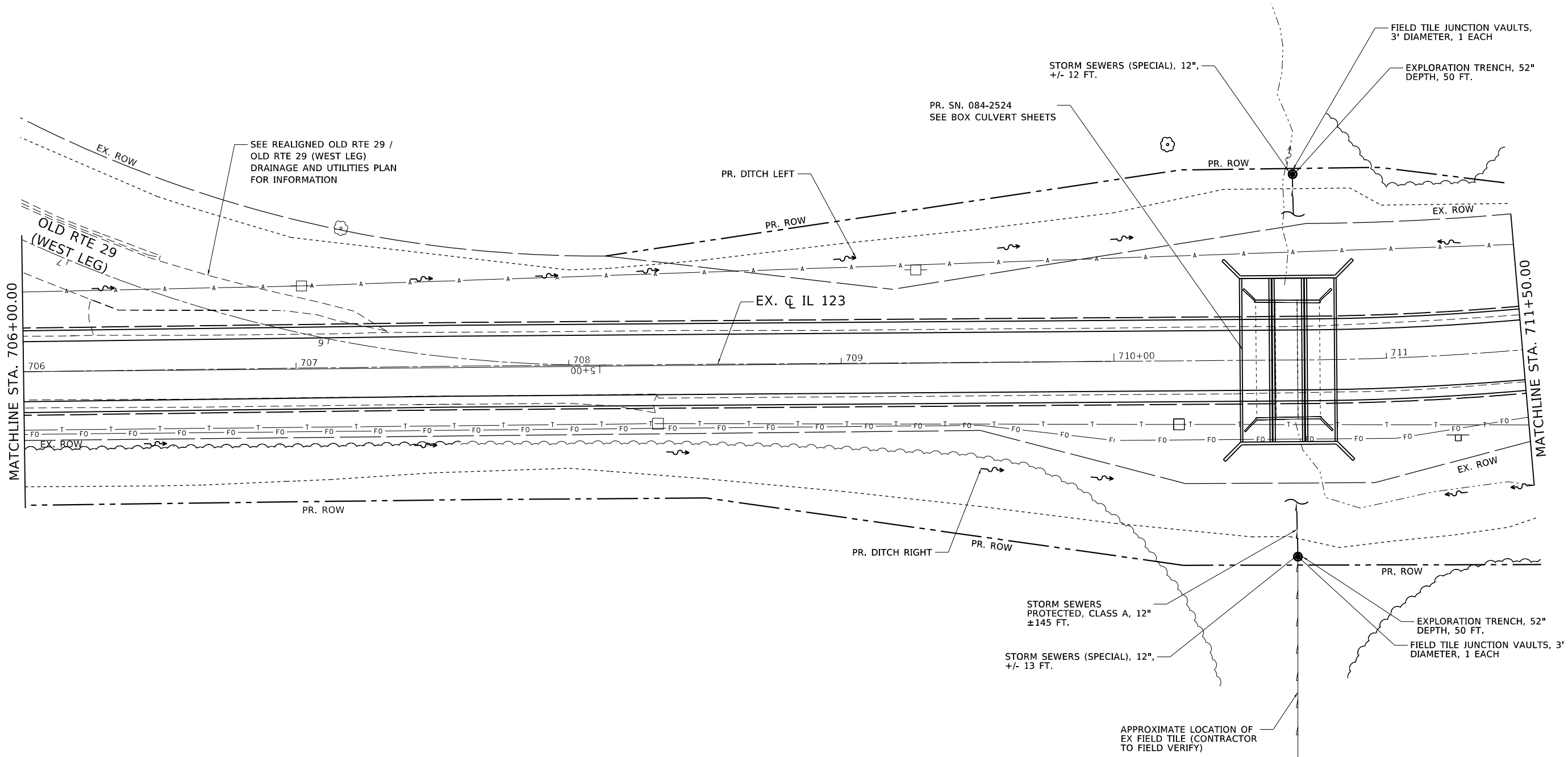
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITIES PLAN  
IL 123  
SCALE: 1" = 20' SHEET 2 OF 6 SHEETS STA. 701+00.00 TO STA. 706+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	50
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

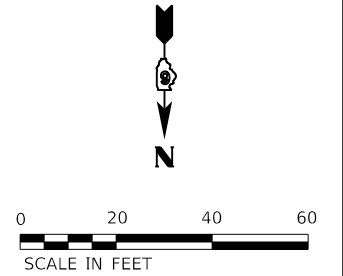
6128149  
OMA M CLINE TRUSTEE



6128148  
MAYFIELD FAMILY FARMS, LLC

NOTES:

1. SEE SCHEDULES FOR ADDITIONAL INFORMATION.
2. SEE PLAN AND PROFILES FOR ADDITIONAL INFORMATION.



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

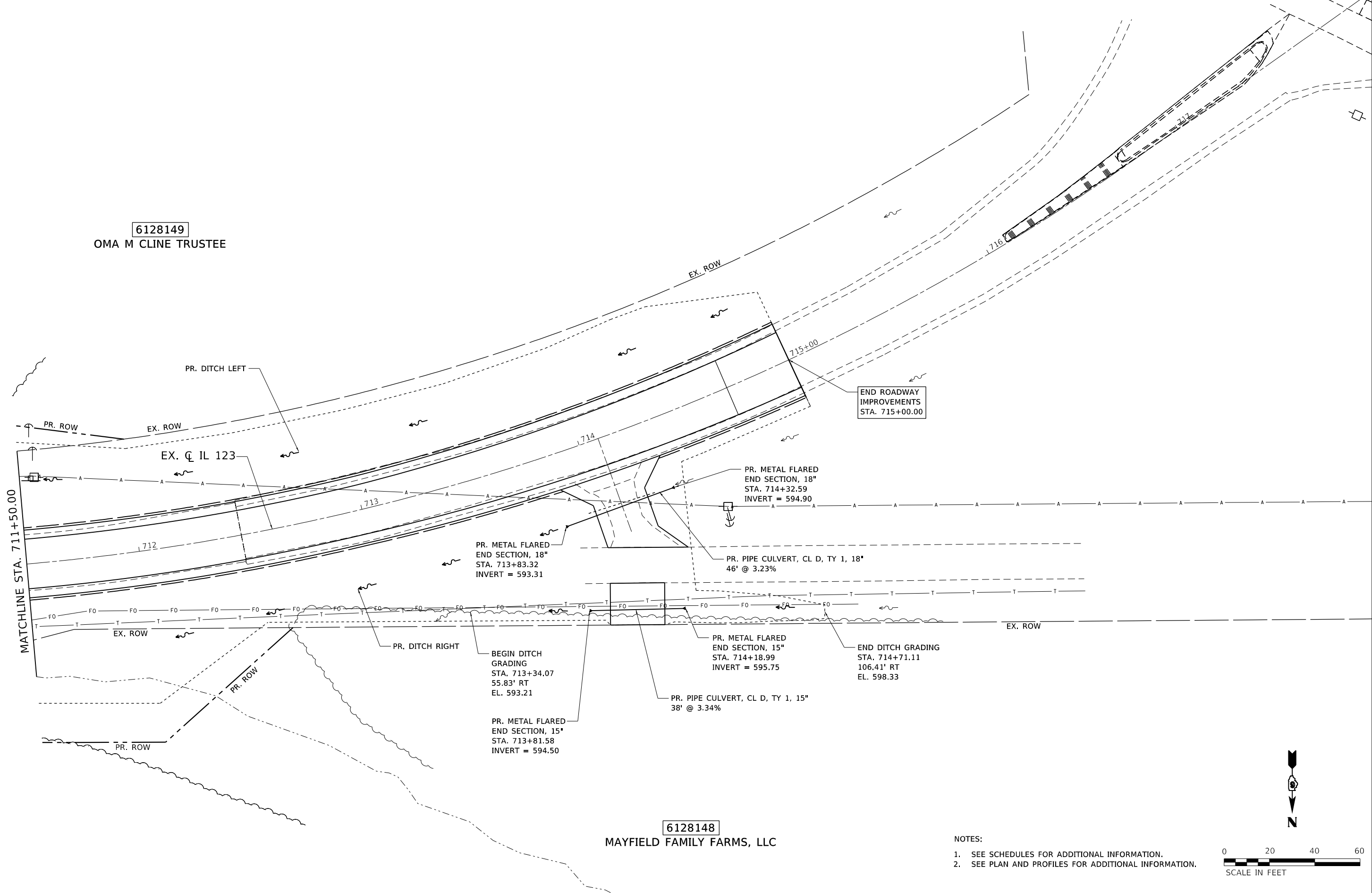
DRAINAGE AND UTILITIES PLAN  
IL 123

SCALE: 1" = 20' SHEET 3 OF 6 SHEETS STA. 706+00.00 TO STA. 711+50.00

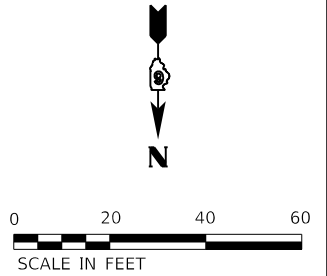
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1645	(B) CR	SANGAMON	119	51
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

6128149  
OMA M CLINE TRUSTEE

6128148  
MAYFIELD FAMILY FARMS, LLC



- NOTES:  
 1. SEE SCHEDULES FOR ADDITIONAL INFORMATION.  
 2. SEE PLAN AND PROFILES FOR ADDITIONAL INFORMATION.



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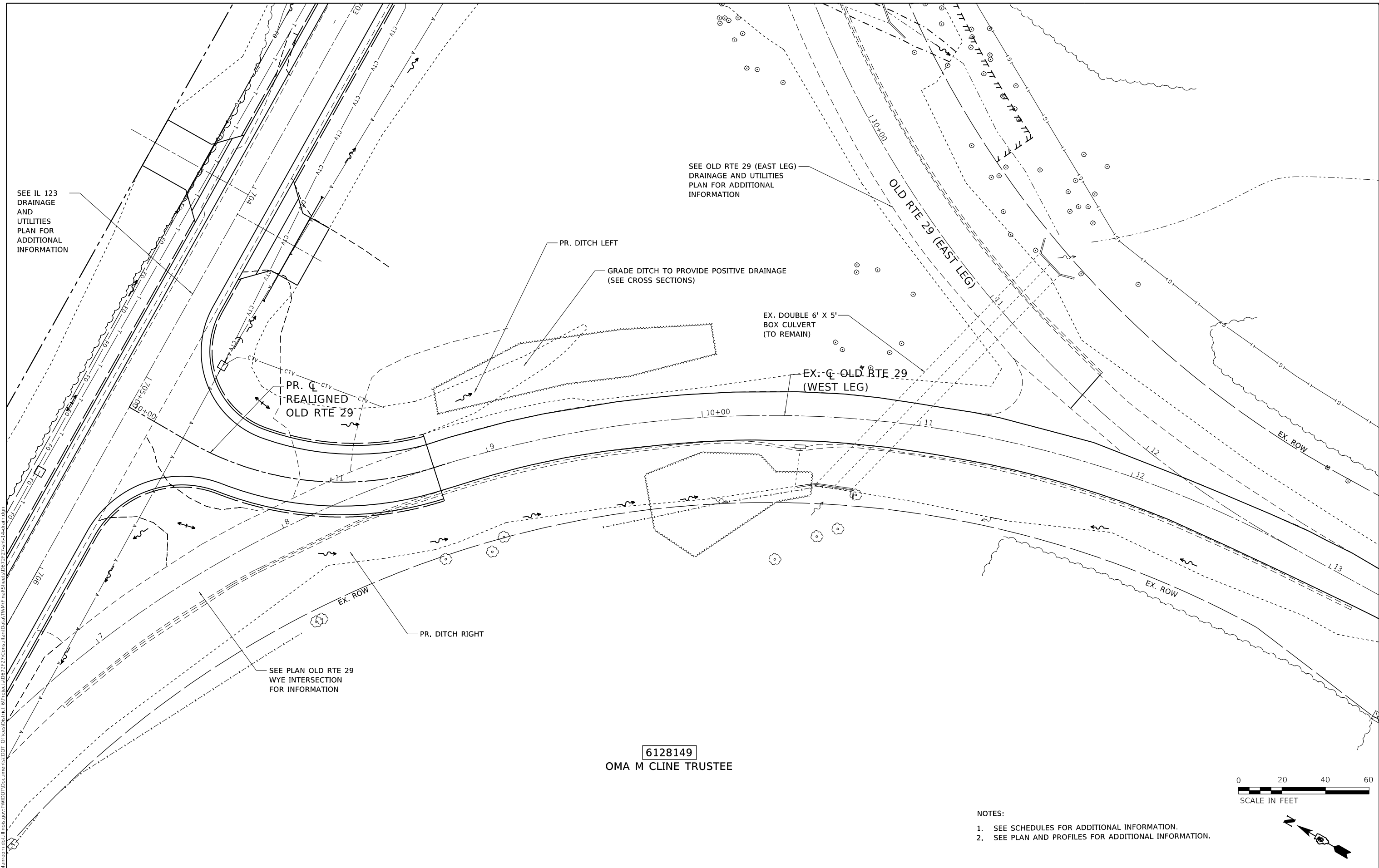
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITIES PLAN  
IL 123

SCALE: 1" = 20' SHEET 4 OF 6 SHEETS STA. 711+50.00 TO STA. 716+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

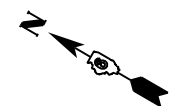
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6128149  
 OMA M CLINE TRUSTEE



- NOTES:
- SEE SCHEDULES FOR ADDITIONAL INFORMATION.
  - SEE PLAN AND PROFILES FOR ADDITIONAL INFORMATION.

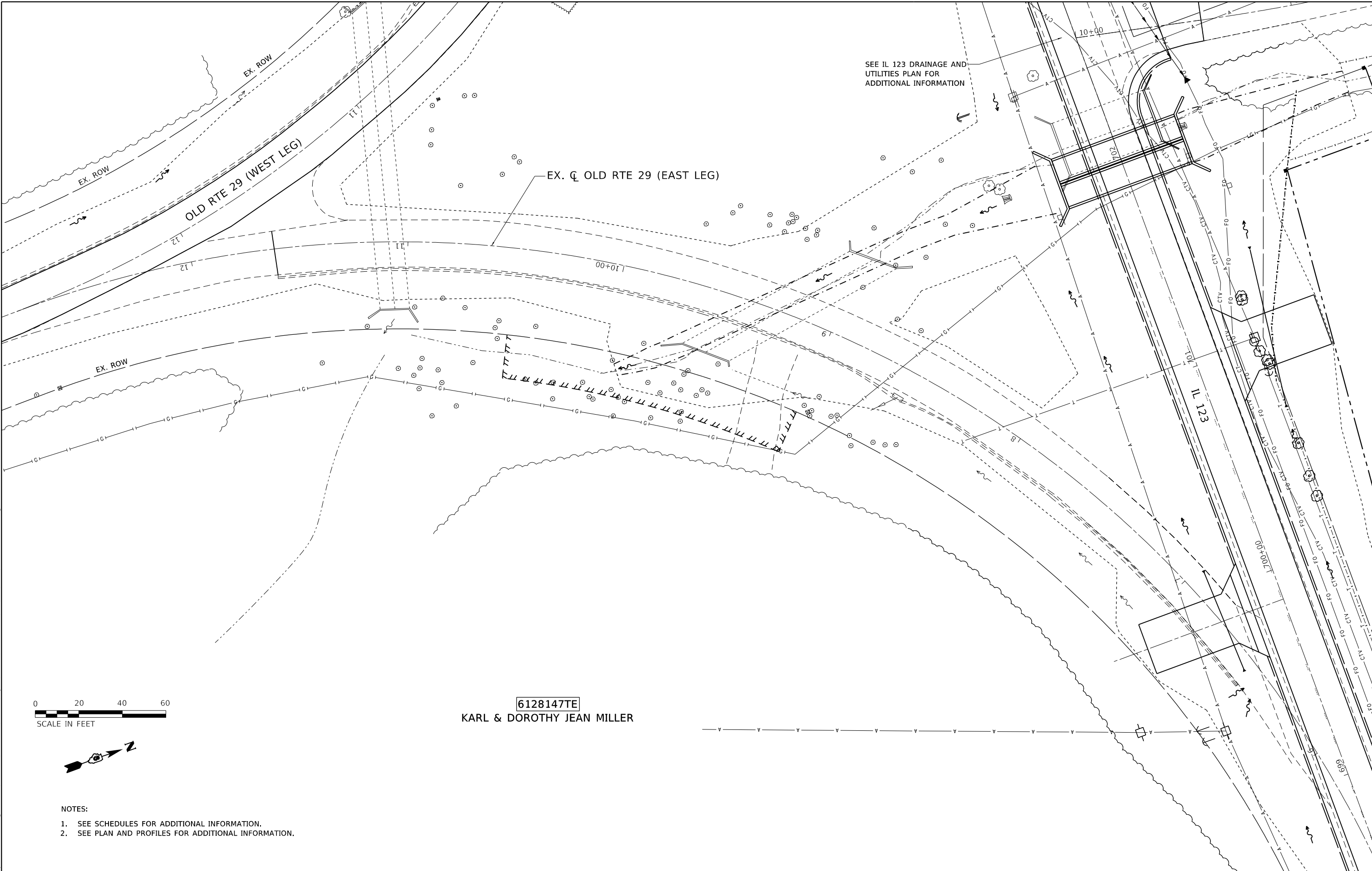


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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

DRAINAGE AND UTILITIES PLAN	
REALIGNED OLD RTE 29 / OLD RTE 29 (WEST END)	
SCALE: 1" = 20'	SHEET 5 OF 6 SHEETS
STA. 10+00.00	TO STA. 12+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	53
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				



**6128147TE**  
 KARL & DOROTHY JEAN MILLER

**NOTES:**  
 1. SEE SCHEDULES FOR ADDITIONAL INFORMATION.  
 2. SEE PLAN AND PROFILES FOR ADDITIONAL INFORMATION.

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PLOT DATE = 5/7/2020	DATE - APRIL 2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DRAINAGE AND UTILITIES PLAN  
 OLD RTE 29 (EAST LEG)**

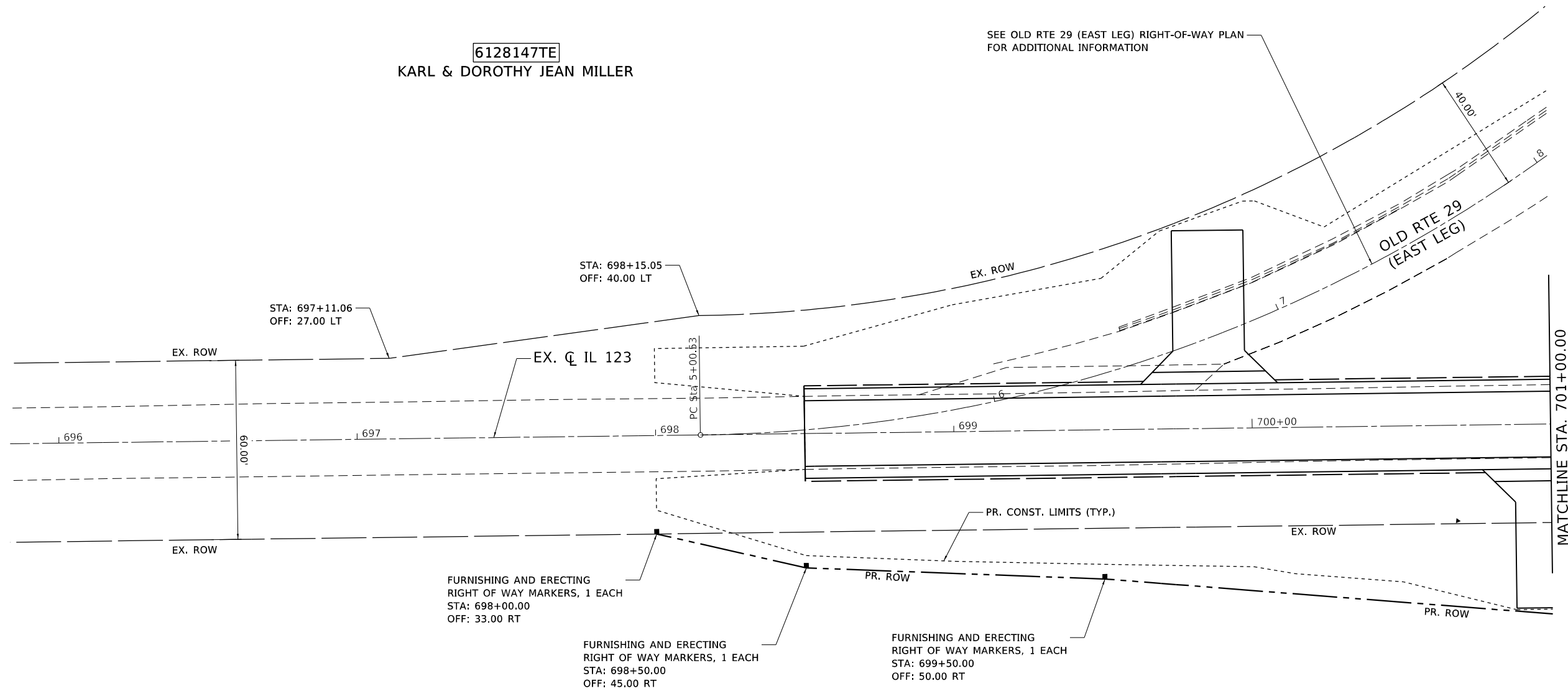
SCALE: 1" = 20' SHEET 6 OF 6 SHEETS STA. 10+00.00 TO STA. 12+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	54
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

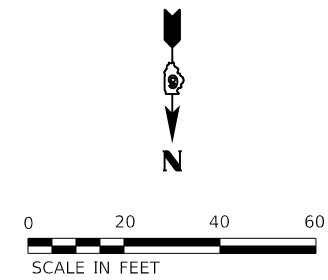


6128147TE  
 KARL & DOROTHY JEAN MILLER

SEE OLD RTE 29 (EAST LEG) RIGHT-OF-WAY PLAN  
 FOR ADDITIONAL INFORMATION



6128146  
 OMA M CLINE TRUSTEE



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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

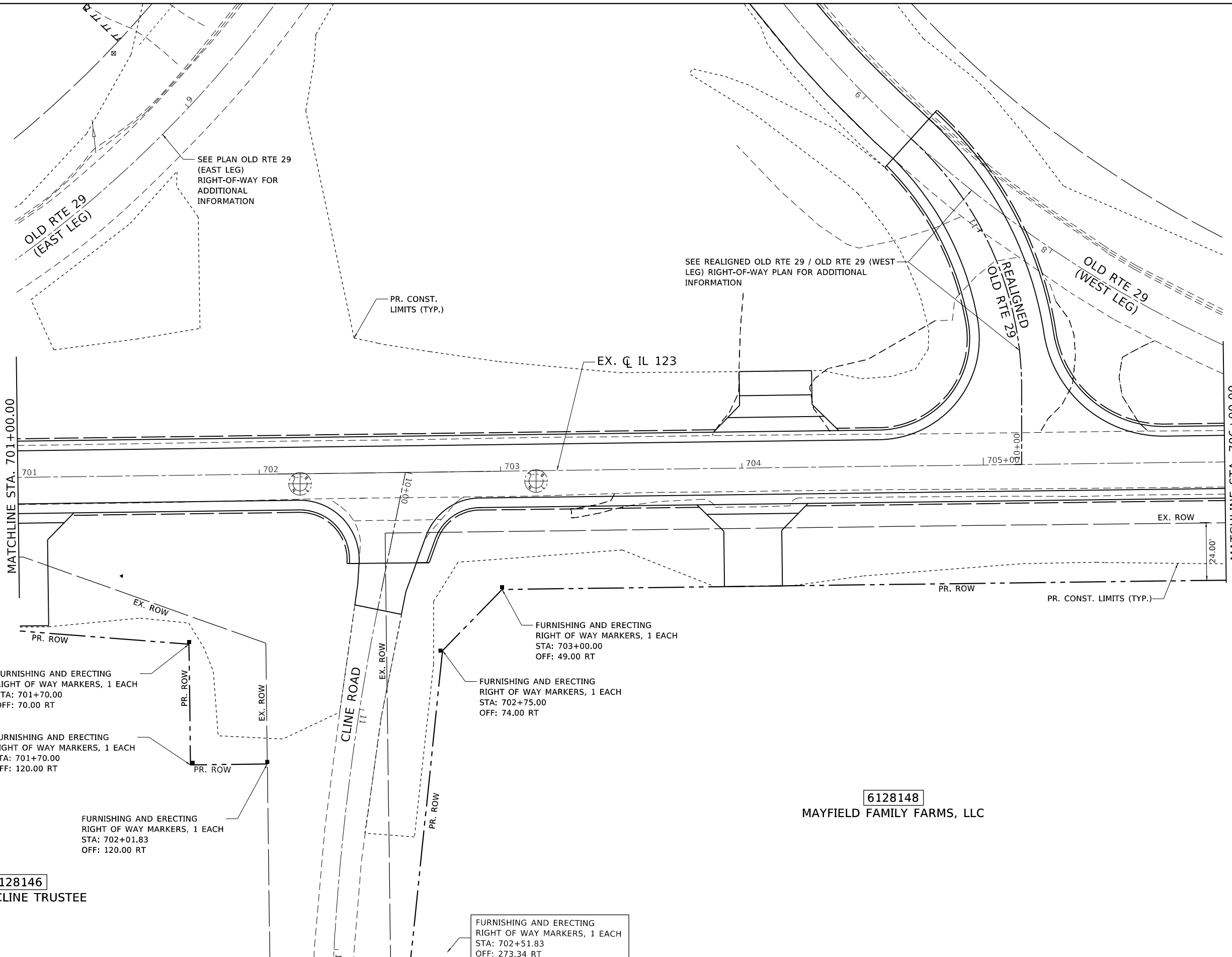
RIGHT-OF-WAY PLAN  
 IL 123

SCALE: 1" = 20' SHEET 1 OF 6 SHEETS STA. 698+50.00 TO STA. 701+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	56
			CONTRACT NO. 72F27	
		ILLINOIS FED. AID PROJECT		



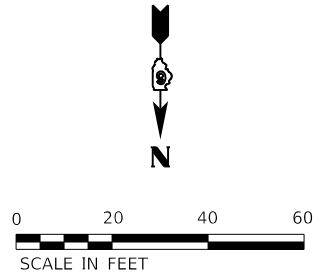
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 PLOT DATE: 5/7/2020



6128146  
OMA M CLINE TRUSTEE

6128148  
MAYFIELD FAMILY FARMS, LLC

FURNISHING AND ERECTING  
RIGHT OF WAY MARKERS, 1 EACH  
STA: 702+51.83  
OFF: 273.34 RT



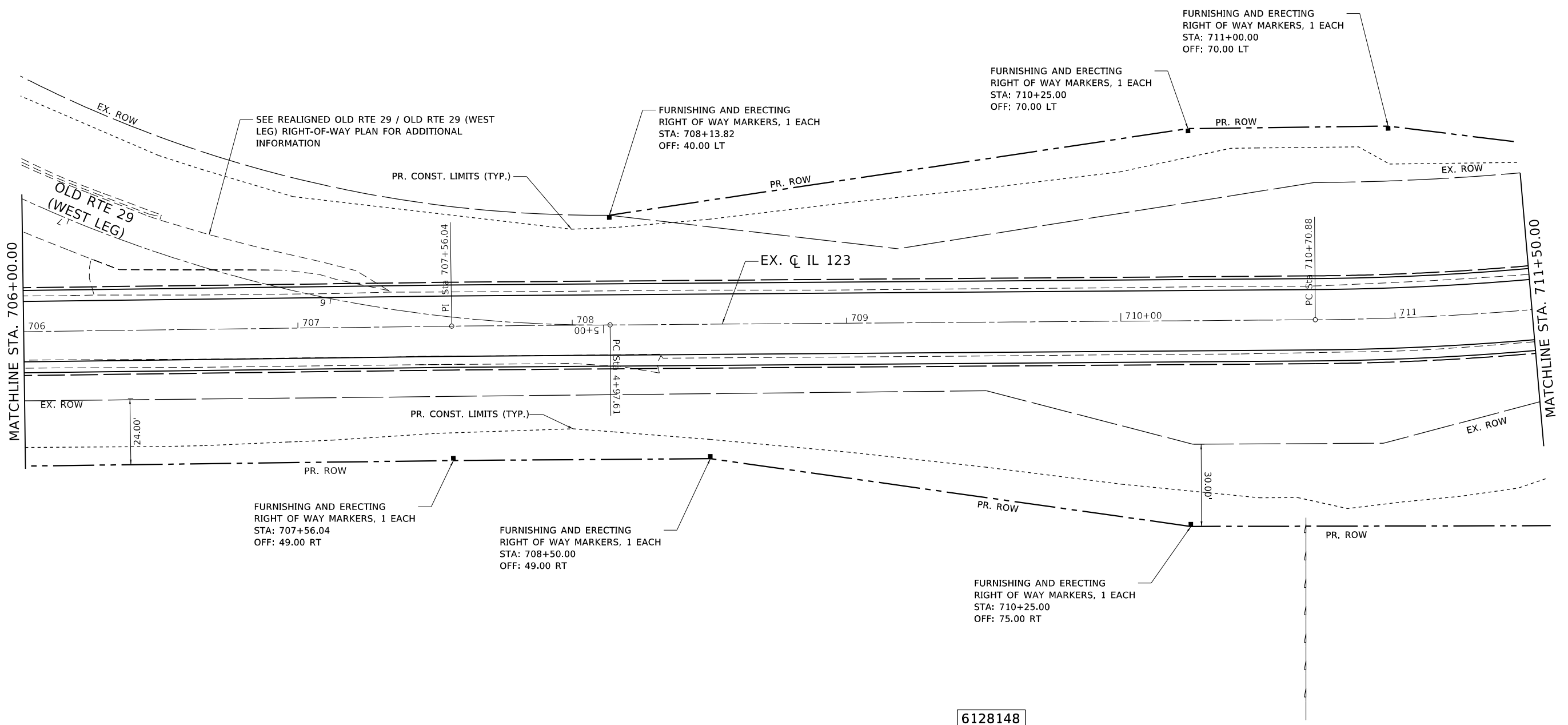
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

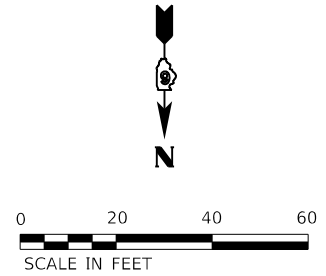
**RIGHT-OF-WAY PLAN  
IL 123**  
SCALE: 1" = 20' SHEET 2 OF 6 SHEETS STA. 701+00.00 TO STA. 706+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	57
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

6128149  
OMA M CLINE TRUSTEE



6128148  
MAYFIELD FAMILY FARMS, LLC



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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

**RIGHT-OF-WAY PLAN**  
**IL 123**

SCALE: 1" = 20' SHEET 3 OF 6 SHEETS STA. 706+00.00 TO STA. 711+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	58
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				



SEE IL 123  
RIGHT-OF-WAY  
PLAN FOR  
ADDITIONAL  
INFORMATION

SEE OLD RTE 29 (EAST  
LEG) RIGHT-OF-WAY  
PLAN FOR ADDITIONAL  
INFORMATION

PR.  $\phi$   
REALIGNED  
OLD RTE 29

EX.  $\phi$  OLD RTE 29  
(WEST LEG)

OLD RTE 29  
(EAST LEG)

PR. CONST. LIMITS (TYP.)

PR. CONST. LIMITS (TYP.)

EX. ROW

EX. ROW

EX. ROW

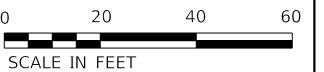
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PT Sta 11+41.97

PT Sta 12+84.28

6128149

OMA M CLINE TRUSTEE



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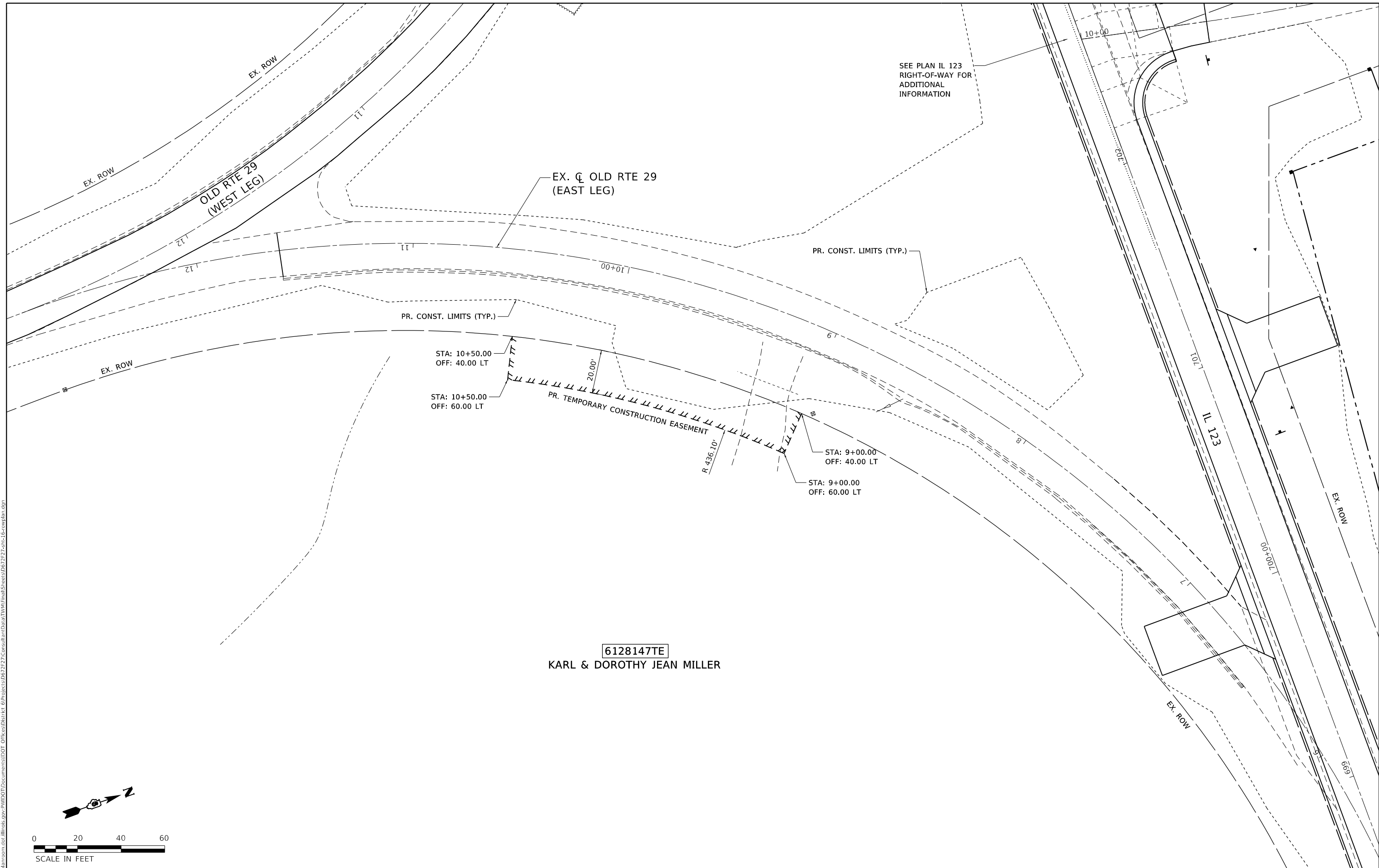
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

RIGHT-OF-WAY PLAN  
REALIGNED OLD RTE 29 / OLD RTE 29 (WEST LEG)

SCALE: 1" = 20' SHEET 5 OF 6 SHEETS STA. 10+00.00 TO STA. 12+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	60
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

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 PLOT DATE: 5/7/2020



6128147TE

  
 KARL & DOROTHY JEAN MILLER


USER NAME = whitlingme	DESIGNED - MLS	REVISED -
DRAWN - MLS	REVISIONS -	
PLOT SCALE = 40.0000 ' / in.	CHECKED - JWS	REVISED -
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

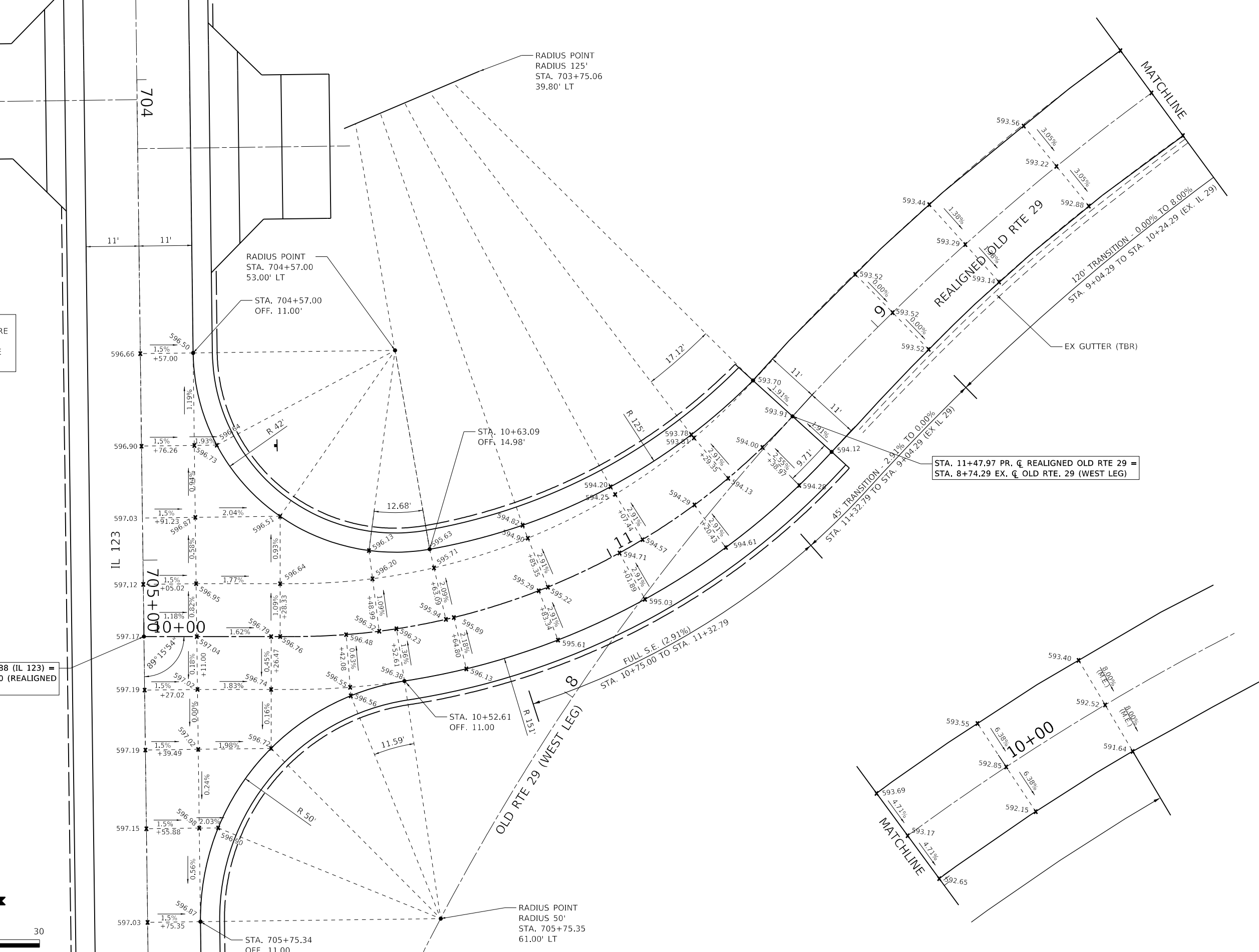
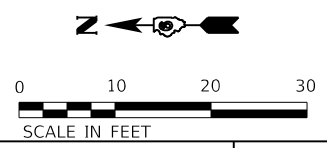
**RIGHT-OF-WAY PLAN**  
**OLD RTE 29 (EAST LEG)**

SCALE: 1" = 20' SHEET 6 OF 6 SHEETS STA. X TO STA. X

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	61
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

NOTE:  
EOP ELEVATIONS ARE  
AT 20' INTERVALS  
UNLESS OTHERWISE  
NOTED

STA. 705+15.88 (IL 123) =  
STA. 10+00.00 (REALIGNED  
OLD RTE 29)



USER NAME = whitlingme	DESIGNED -	REVISED -
PLOT SCALE = 20.0000" / in.	DRAWN -	REVISED -
PLOT DATE = 5/7/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION DETAILS**

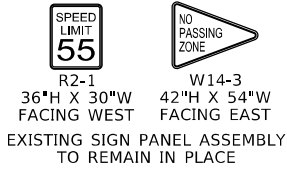
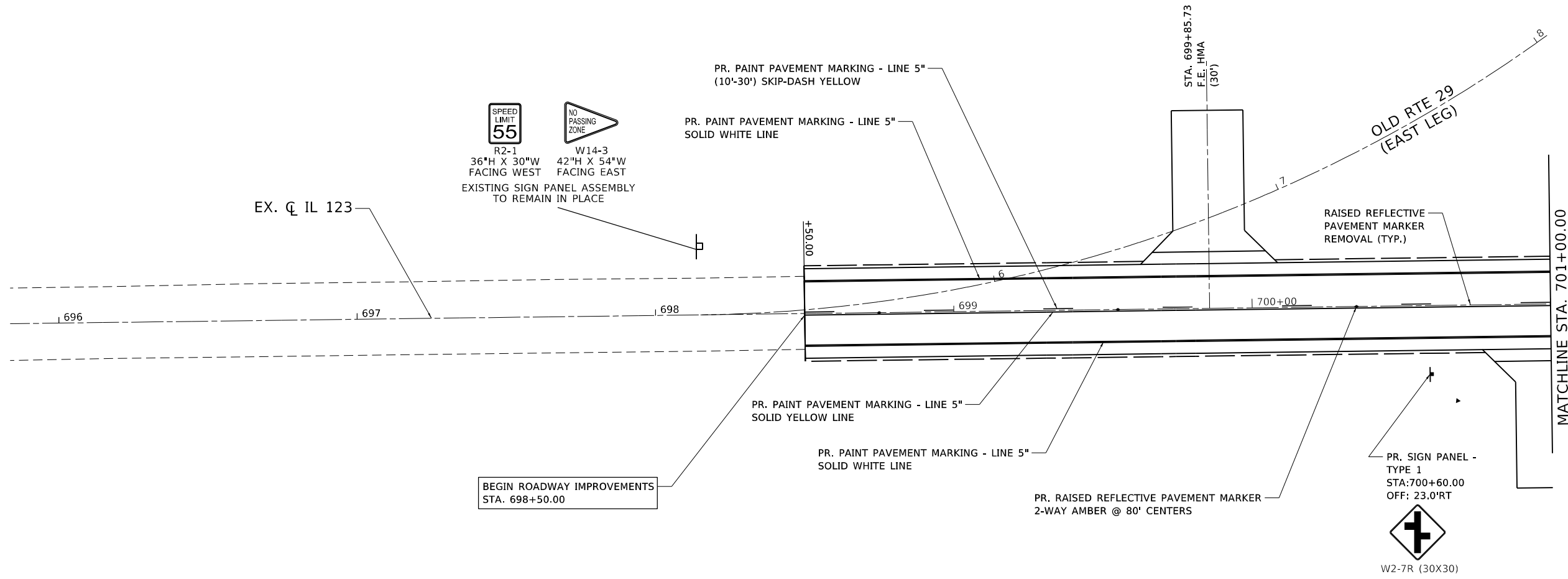
SCALE: 1"=10'    SHEET 1 OF 2 SHEETS    STA.    TO STA.

F.A.S. RTE. 1645	SECTION (B) CR	COUNTY SANGAMON	TOTAL SHEETS 119	SHEET NO. 62
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

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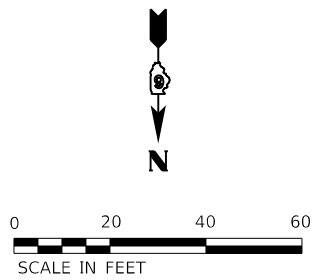
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 PROJECT: P:\DOT\Documents\DOT\_Offices\Datatet\_6\Projects\06727272\ConsultantData\TWM\Final\Sheets\06727272-19\_smb.dwg



**BEGIN ROADWAY IMPROVEMENTS**  
STA. 698+50.00



W2-7R (30X30)



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	DRAWN - DL	REVISED -
PLOT SCALE = 40.0000 ' / in.	CHECKED - JWS	REVISED -
PLOT DATE = 5/7/2020	DATE - APRIL 2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

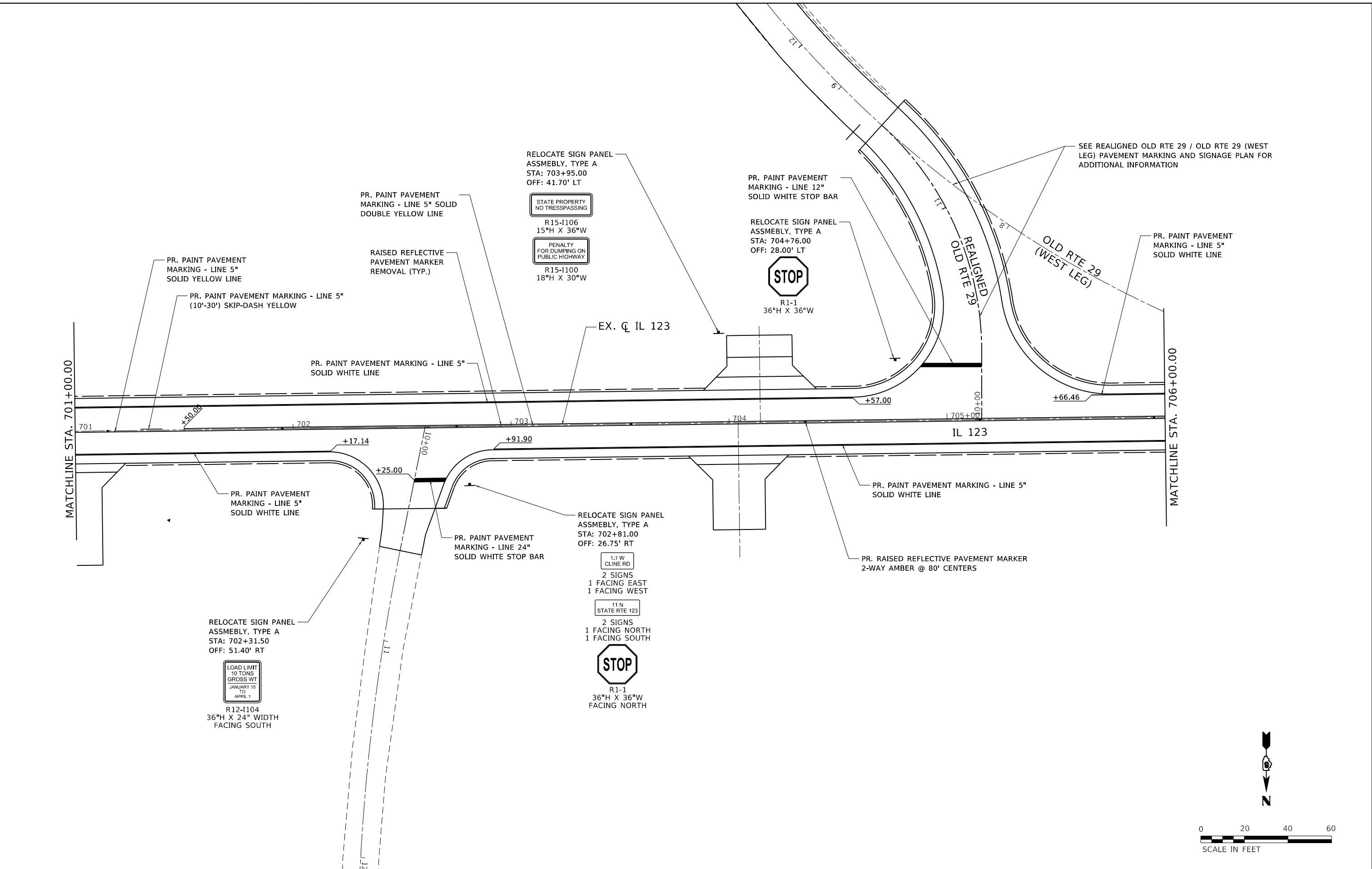
**PAVEMENT MARKINGS AND SIGNAGE PLAN  
IL 123**

SCALE: 1" = 20' SHEET 1 OF 4 SHEETS STA. 698+50.00 TO STA. 701+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	64
			CONTRACT NO. 72F27	
		ILLINOIS	FED. AID PROJECT	



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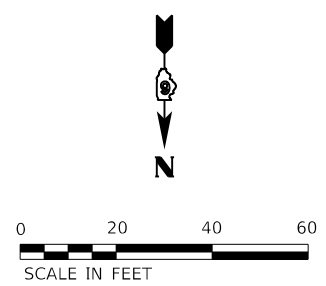
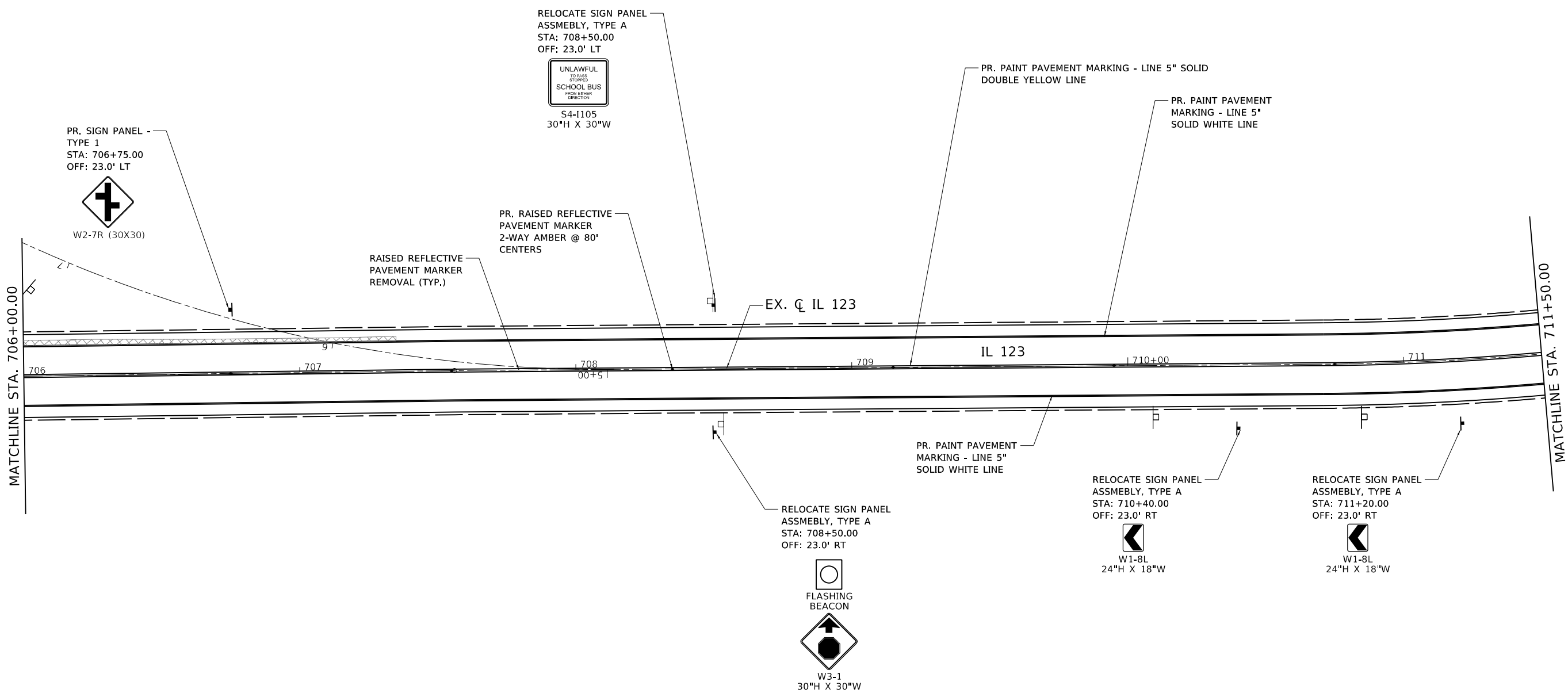
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	DRAWN - DL	REVISED -
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PLOT DATE = 5/7/2020	DATE - APRIL 2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKINGS AND SIGNAGE PLAN  
 IL 123**

SCALE: 1" = 20' SHEET 2 OF 4 SHEETS STA. 701+00.00 TO STA. 706+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	65
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				



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 OFFICE: 1645 - PAVEMENT MARKINGS AND SIGNAGE PLAN  
 DATE: 5/7/2020



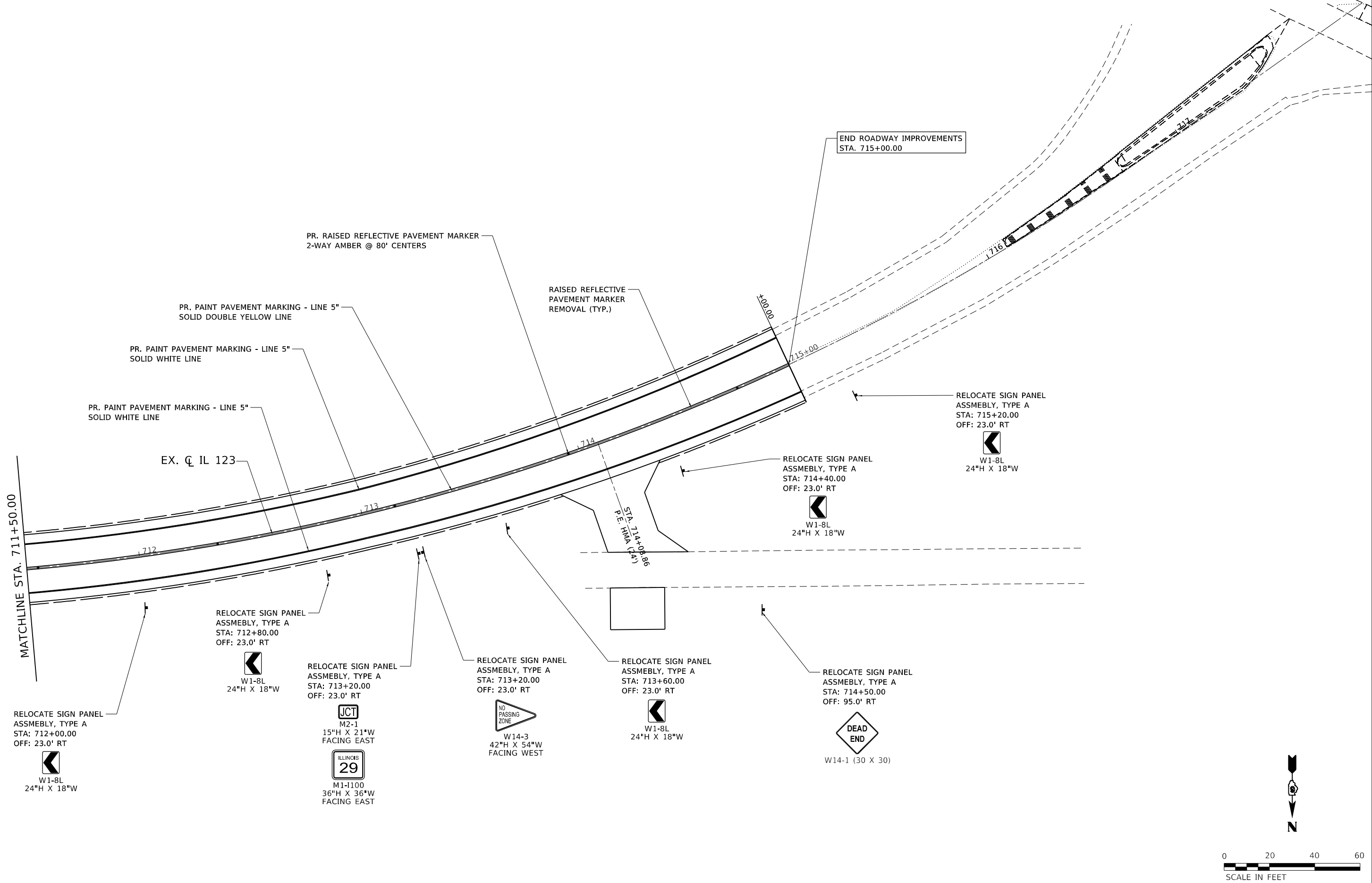
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PLOT DATE = 5/7/2020	DATE - APRIL 2019	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>PAVEMENT MARKINGS AND SIGNAGE PLAN</b>			
<b>IL 123</b>			
SCALE: 1" = 20'	SHEET 3 OF 5 SHEETS	STA. 706+00.00 TO STA. 711+50.00	

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	66
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

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 PROJECT: 1645  
 SHEET: 4 OF 4  
 DATE: 5/7/2020



USER NAME = whitlingme	DESIGNED - MLS	REVISED -
DRAWN - DL	REVISED -	
PLOT SCALE = 40.0000' / in.	CHECKED - JWS	REVISED -
PLOT DATE = 5/7/2020	DATE - APRIL 2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PAVEMENT MARKINGS AND SIGNAGE PLAN</b>			
<b>IL 123</b>			
SCALE: 1" = 20'	SHEET 4 OF 4 SHEETS	STA. 711+50.00 TO STA. 715+00.00	

F.A.S. RTE. 1645	SECTION (B) CR	COUNTY SANGAMON	TOTAL SHEETS 119	SHEET NO. 67
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

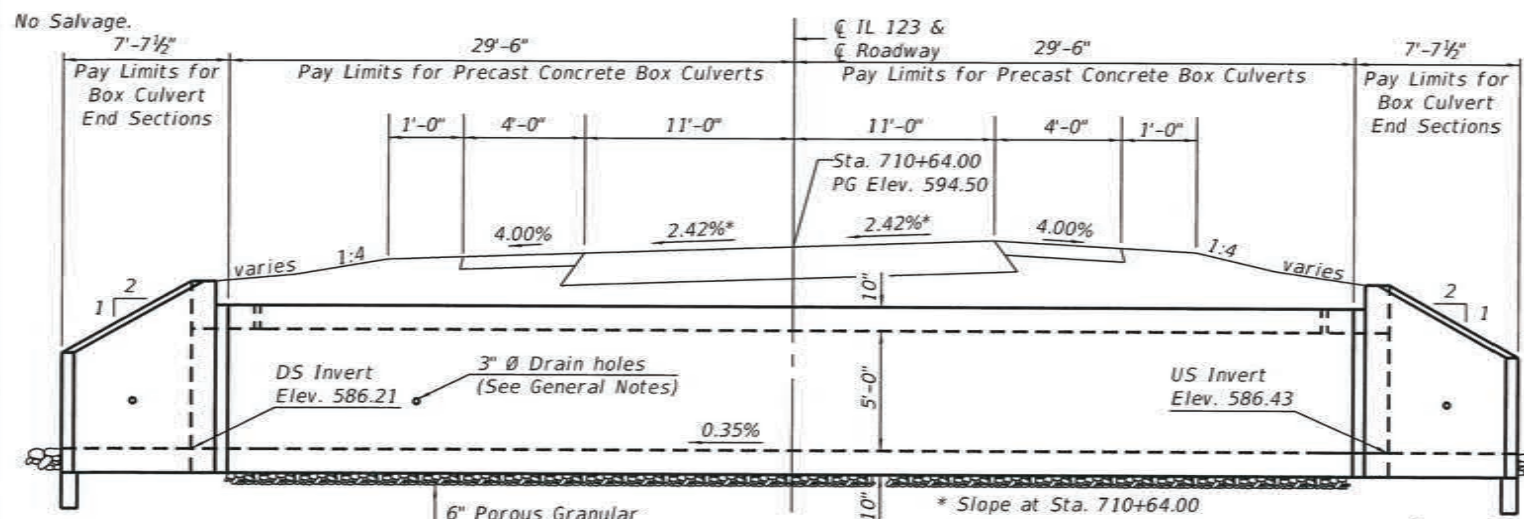
Benchmark: B.M JJ 1- Chiseled Square in top center of North Headwall, Sta 710+63.90, off. 21.5' Rt., Elev. 591.41  
 Existing Structure: SN 084-7099 was built at Sta. 710+64 in 1919 under SBI 24, Section B as a double box culvert (2-7'x3.5' cells). In 1984 another 7'x3.5' barrel was added and the culvert was extended to a total length of 42'. In 2011, a structural slab was placed over the box due to poor concrete core results. The existing culvert and structural slab are to be removed and replaced with a triple 10'x5' precast concrete box culvert at Sta. 710+64. Traffic to be detoured during construction.

**GENERAL NOTES**

The design fill height for this box is 2 ft. The precast box culvert sections shall conform to the requirements of ASTM C 1577.  
 Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specification.  
 Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.  
 Precast concrete box culverts and box culvert end sections shall be backfilled with Porous Granular Embankment below the top of the box culvert extending to a vertical plane 2 ft from the exterior sides of the culvert, 2 ft from the back face of the end sections, and not closer than 2 ft from the face of embankment.  
 See Roadway Plans for Riprap details and quantity.  
 For quantities and information regarding removal of the structural slab, See the Roadway Plans.

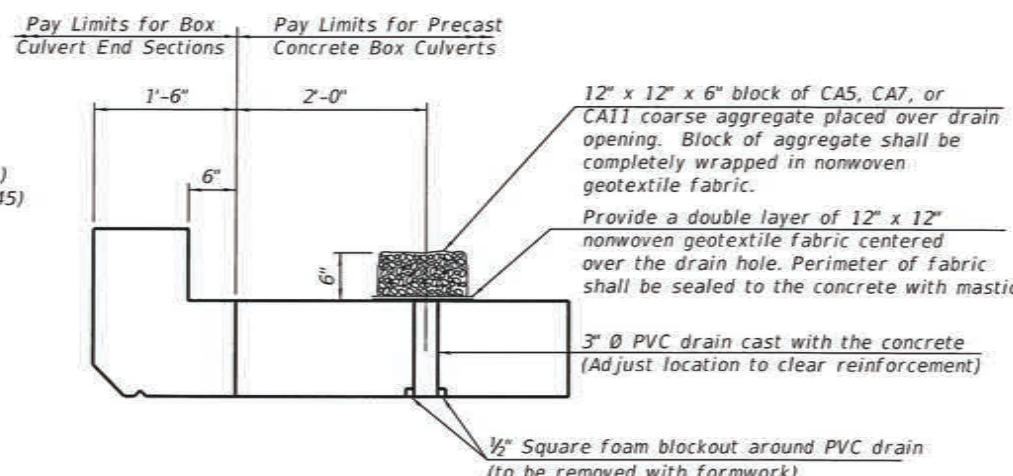
**INDEX OF SHEETS**

1. General Plan and Elevation
- 2-3. Multi-cell Precast Concrete Box Culvert Apron End Section Details
4. Boring Log and Waterproofing Details



**CURVE DATA**

(IL 123)  
 D = 5° 44' 05"  
 R = 999.1'  
 T = 313.90'  
 L = 608.28'  
 E = 48.15'  
 S.E = 4% (STA. 711+04.54)  
 S.E = 1.5% (STA. 710+40.45)  
 P.C STA. = 710+70.88  
 P.T STA. = 716+79.16



**DRAIN DETAIL**

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)

**DESIGN SCOUR ELEVATION TABLE**

Design Scour Elev. (ft)	D.S	U.S.
	583.20	583.43

**DESIGN SPECIFICATIONS**

2012 AASHTO LRFD Bridge Design Specifications  
 6th Edition with 2013 interims

**LOADING HL-93**

Allow 50 lbs./sq.ft. for future wearing surface

**DESIGN STRESSES**

**PRECAST UNITS**

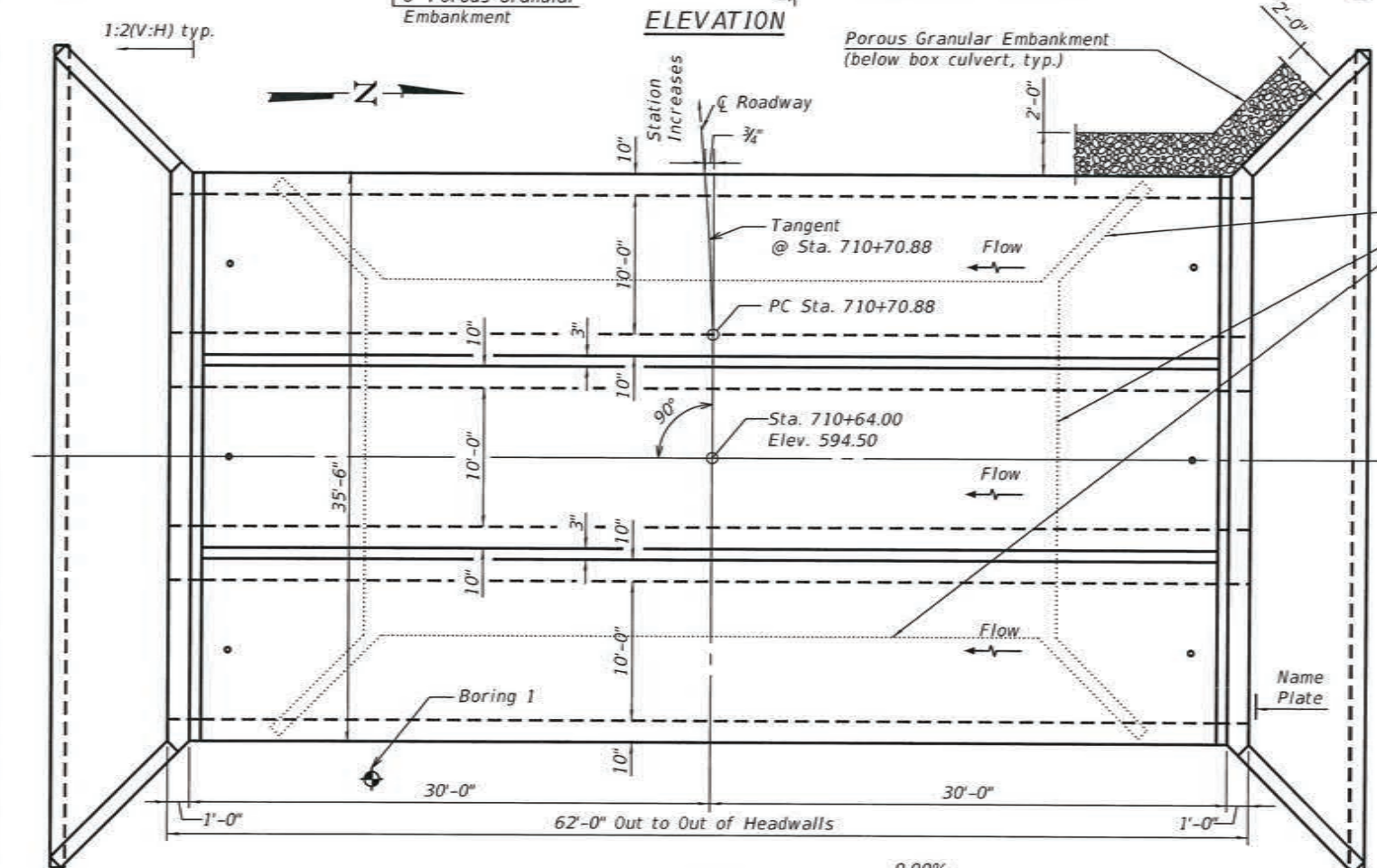
f'c = 5,000 psi  
 fy = 65,000 psi (Welded Wire Reinforcement)

**FIELD UNITS**

f'c = 3,500 psi  
 fy = 65,000 psi (Welded Wire Reinforcement)

**TOTAL BILL OF MATERIAL**

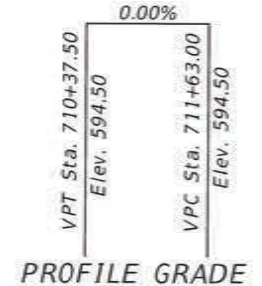
ITEM	UNIT	TOTAL
Removal of Existing Structures No. 1	Each	1
Name Plates	Each	1
Box Culvert End Sections, Culvert No. 1	Each	2
Precast Concrete Box Culverts, 10'x5'	Foot	177
Geocomposite Wall Drain	Sq. Yd.	250
Membrane Waterproofing System for Buried Structures	Sq. Yd.	250



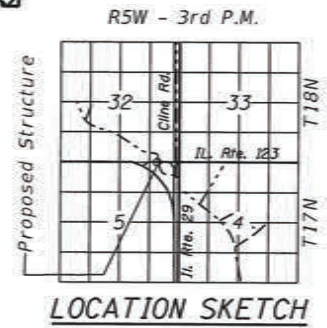
**WATERWAY INFORMATION**

Drainage Area = 1.3 sq. mi. Low Grade Elev. = 594.50 @ Sta. 708+85.00

Flood	Freq. Yr.	C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	10	240	68	104	590.2	0.3	0.2	590.4	590.3
Base	50	387	68	134	591.1	0.6	0.2	591.8	591.3
Overtopping	100	452	68	142	591.6	0.7	0.2	592.3	591.8
Max. Calc.	>500	609	68	142	592.6	0.3	0.3	592.8	592.9



STATION 710+64  
 BUILT BY  
 STATE OF ILLINOIS  
 F.A.S. RT. 1645 SEC. (B) CR  
 LOADING HL-93  
 STR. NO. 084-2524



10/8/2019  
 Angela L. Nemsky  
 EXPIRES 11/30/2020

**GENERAL PLAN AND ELEVATION**  
 IL RTE. 123 OVER UNNAMED DITCH  
 F.A.S. RTE. 1645 SEC. (B) CR  
 SANGAMON COUNTY  
 STATION 710+64  
 S.N. 084-2524

TCB-GPE

2-17-2017

Along CL IL. 123

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION  
 STRUCTURE NO. 084-2524

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	68
CONTRACT NO. 72F27				

SHEET 1 OF 4 SHEETS

ILLINOIS FED. AID PROJECT

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USER NAME	DESIGNED	CHECKED	DRAWN	REVISIONS
damann	DRA	ALN	DRA	-
				REVISED -
				REVISED -
				REVISED -
				REVISED -

**GENERAL NOTES**

Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. End sections will be paid for at the contract unit price per each for Box Culvert End Sections.

Box section dimensions, materials, and reinforcement details for Box Culvert End Sections shall be according to the requirements for ASTM C 1577 as required for the design of the portion of the culvert within the limits of Precast Concrete Box Culverts except as modified herein.

Details for Double Cell Box Culvert shown. Details for Triple Cell Box Culvert similar.

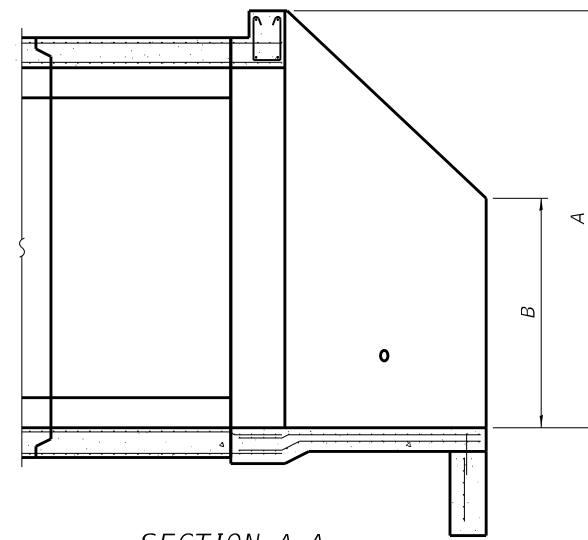
The details contained herein are for constructing the end sections using cast-in-place (CIP) construction. The Contractor may propose to furnish the end sections using precast construction methods and the end sections may consist of multiple precast concrete segments. The Contractor shall be responsible for determining all details associated with the precast option including any strengthening or stiffening provisions necessary for handling the precast segments. Conceptual details followed by shop drawings and design calculations sealed by an Illinois Licensed Structural Engineer shall be submitted to the Engineer for review and approval. Elements of the precast option shall at a minimum result in the same wingwall geometry and not have a thickness less than that detailed herein. The option to construct the end sections using precast construction methods shall be at no additional charge.

Shop drawings that detail slab thickness and reinforcement layout for the Box Culvert End Sections shall be provided to the Engineer for review and approval. Reinforcement bars not detailed herein shall be detailed with a clear distance at the end of the reinforcement not less than 1/2" nor more than 2".

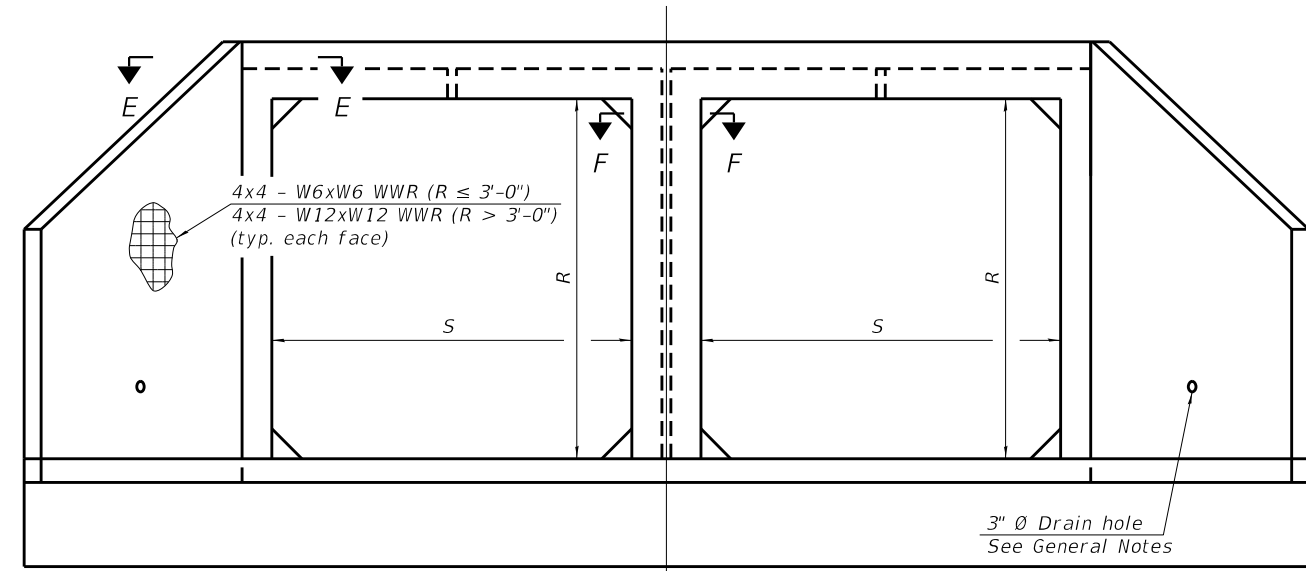
The Contractor may use reinforcement bars in lieu of welded wire reinforcement (WWR). Reinforcement bars shall be limited to the sizes of #3 through #5 bars, a maximum spacing of the lesser of 8" or the member thickness, and shall result in an area of reinforcement equal to or greater than that provided by the WWR. Minimum lap lengths detailed herein are applicable to WWR and reinforcement bars.

Reinforcement (circumferential and longitudinal) in the precast concrete box culvert segments immediately adjacent to the box culvert end sections that is being lapped with the end section reinforcement shall not be less than that required by ASTM C 1577 for the design fill height or the reinforcement detailed for the end section, whichever is greater.

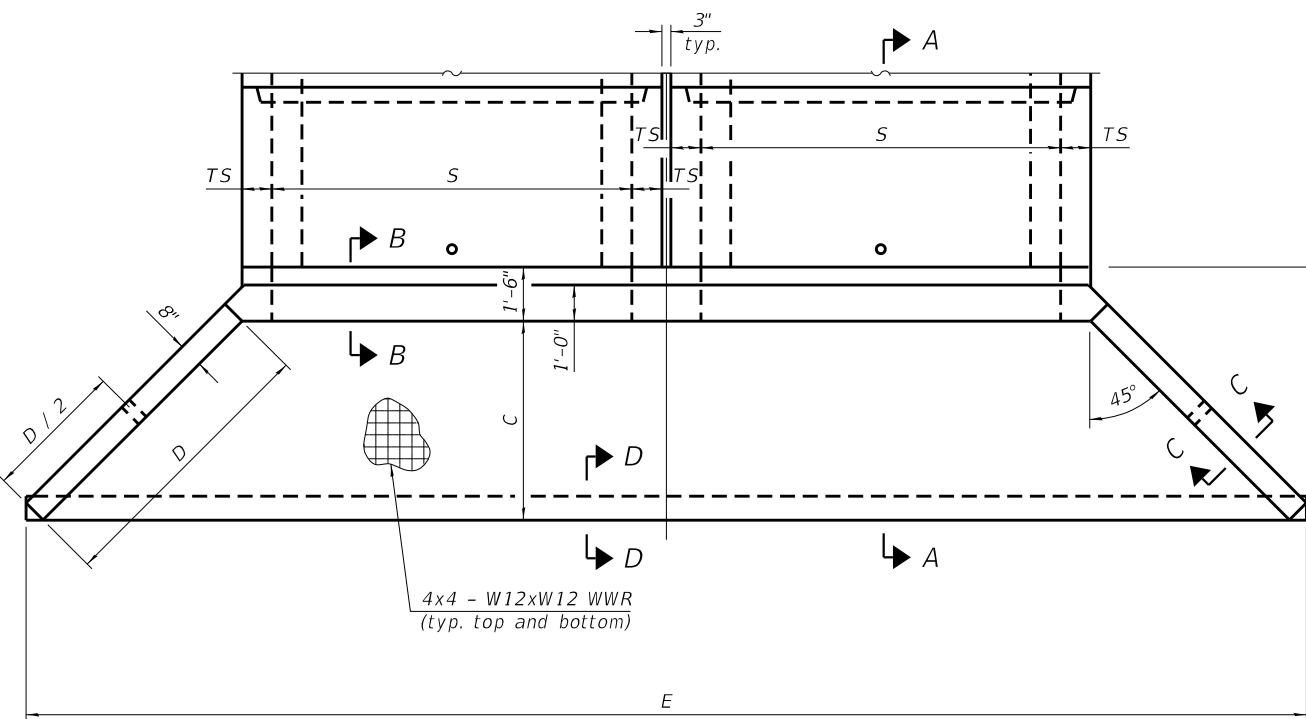
One drain hole shall be provided in each wingwall for end sections of box culverts having an opening with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert and shall conform to the requirements of Article 503.11 of the Standard Specifications.



**SECTION A-A**



**END VIEW**



**PLAN**

**APRON END SECTION DIMENSIONS**

Span (S)	Rise (R)	Tt, Tb, & Ts	A	B	C	D	Double Cell		Triple Cell	
							E	Concrete Cu. Yd.	E	Concrete Cu. Yd.
7'-0"	2'-0"	8"	3'-5"	2'-3"	2'-11 3/8"	4'-2"	23'-9"	6.6		
7'-0"	3'-0"	8"	4'-5"	2'-9"	3'-11 3/8"	5'-7"	25'-9 1/8"	8.0		
7'-0"	4'-0"	8"	5'-5"	3'-3"	4'-11 3/8"	7'-0"	27'-9 1/8"	9.5		
7'-0"	5'-0"	8"	6'-5"	3'-9"	5'-11 3/8"	8'-5"	29'-9 1/8"	11.2		
7'-0"	6'-0"	8"	7'-5"	4'-3"	6'-11 1/2"	9'-10"	31'-9 1/4"	13.1		
8'-0"	2'-0"	8"	3'-5"	2'-3"	2'-11 3/8"	4'-2"	25'-9"	7.1		
8'-0"	3'-0"	8"	4'-5"	2'-9"	3'-11 3/8"	5'-7"	27'-9 1/8"	8.6		
8'-0"	4'-0"	8"	5'-5"	3'-3"	4'-11 3/8"	7'-0"	29'-9 1/8"	10.2		
8'-0"	5'-0"	8"	6'-5"	3'-9"	5'-11 3/8"	8'-5"	31'-9 1/8"	11.9		
8'-0"	6'-0"	8"	7'-5"	4'-3"	6'-11 1/2"	9'-10"	33'-9 1/4"	13.8		
9'-0"	2'-0"	9"	3'-6"	2'-3"	3'-0 3/4"	4'-4"	28'-3 7/8"	8.2	39'-0 7/8"	11.4
9'-0"	3'-0"	9"	4'-6"	2'-9"	4'-0 3/4"	5'-9"	30'-3 7/8"	9.7	41'-0 7/8"	13.3
9'-0"	4'-0"	9"	5'-6"	3'-3"	5'-0 3/4"	7'-2"	32'-3 7/8"	11.4	43'-0 7/8"	15.4
9'-0"	5'-0"	9"	6'-6"	3'-9"	6'-0 7/8"	8'-7"	34'-4"	13.2	45'-1"	17.6
9'-0"	6'-0"	9"	7'-6"	4'-3"	7'-0 1/8"	9'-11"	36'-2 5/8"	15.1	46'-11 5/8"	19.8
10'-0"	2'-0"	10"	3'-7"	2'-4"	3'-1 1/2"	4'-5"	30'-9 1/4"	9.2	42'-8 1/4"	13.0
10'-0"	3'-0"	10"	4'-7"	2'-10"	4'-1 1/2"	5'-10"	32'-9 1/4"	10.8	44'-8 1/4"	15.0
10'-0"	4'-0"	10"	5'-7"	3'-4"	5'-1 1/2"	7'-3"	34'-9 3/8"	12.6	46'-8 3/8"	17.2
10'-0"	5'-0"	10"	6'-7"	3'-10"	6'-1 1/2"	8'-8"	36'-9 3/8"	14.5	48'-8 3/8"	19.5
10'-0"	6'-0"	10"	7'-7"	4'-4"	7'-1 1/2"	10'-1"	38'-9 3/8"	16.6	50'-8 3/8"	22.0
11'-0"	2'-0"	11"	3'-8"	2'-4"	3'-2 7/8"	4'-7"	33'-4 1/8"	10.4	46'-5 1/8"	14.7
11'-0"	3'-0"	11"	4'-8"	2'-10"	4'-2 7/8"	6'-0"	35'-4 1/8"	12.1	48'-5 1/8"	16.9
11'-0"	4'-0"	11"	5'-8"	3'-4"	5'-2 1/4"	7'-4"	37'-2 3/4"	13.9	50'-3 3/4"	19.1
11'-0"	5'-0"	11"	6'-8"	3'-10"	6'-2 1/4"	8'-9"	39'-2 7/8"	15.8	52'-3 7/8"	21.4
11'-0"	6'-0"	11"	7'-8"	4'-4"	7'-2 1/4"	10'-2"	41'-2 7/8"	18.1	54'-3 7/8"	24.2
12'-0"	2'-0"	12"	3'-9"	2'-5"	3'-3 3/8"	4'-8"	35'-0 1/2"	11.6	50'-0 1/2"	16.5
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12'-0"	4'-0"	12"	5'-9"	3'-5"	5'-3 3/8"	7'-6"	39'-9 5/8"	15.4	54'-0 3/8"	21.2
12'-0"	5'-0"	12"	6'-9"	3'-11"	6'-3 3/8"	8'-11"	41'-9 5/8"	17.6	56'-0 3/8"	23.8
12'-0"	6'-0"	12"	7'-9"	4'-5"	7'-3 3/8"	10'-4"	43'-9 5/8"	19.8	58'-0 3/8"	26.6

(Sheet 1 of 2)

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MCB-AES

2-17-2017

USER NAME = damann	DESIGNED - DRA	REVISED -
CHECKED - ALN	CHECKED - ALN	REVISED -
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PLOT DATE = 05/28/2019	CHECKED - ALN	REVISED -

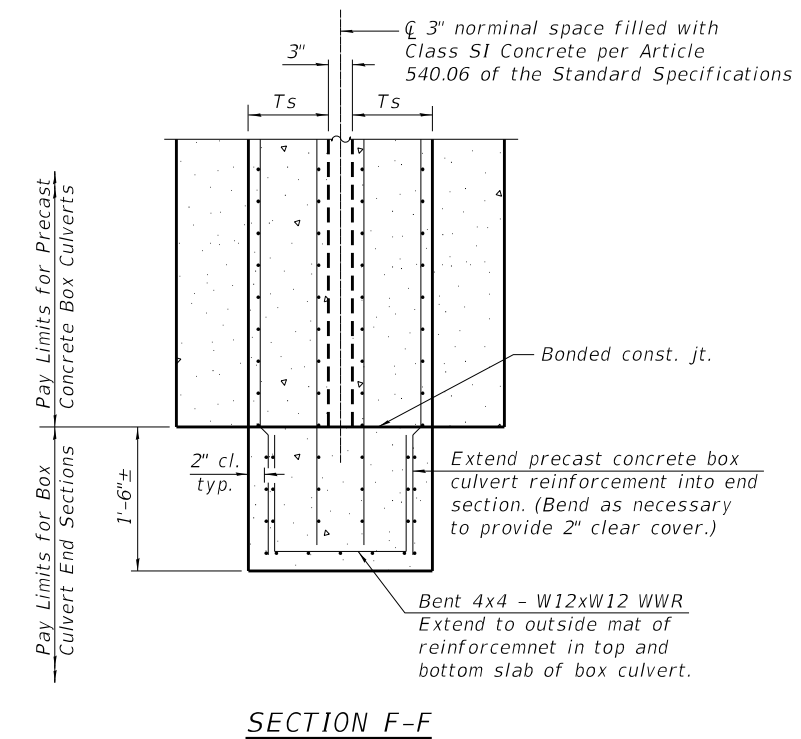
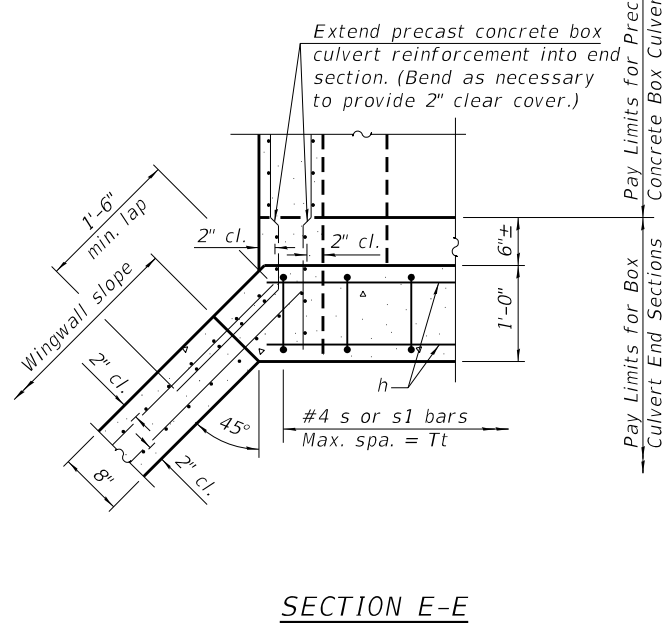
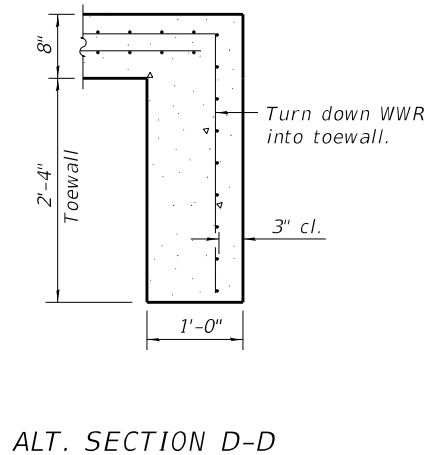
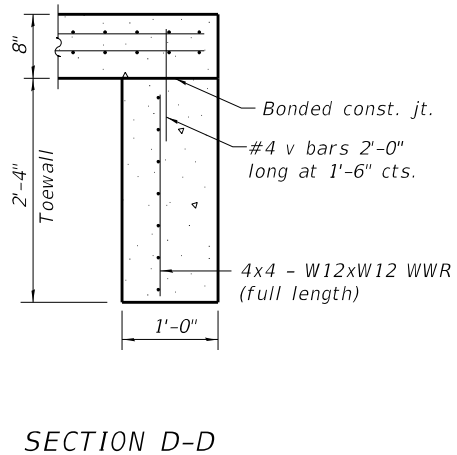
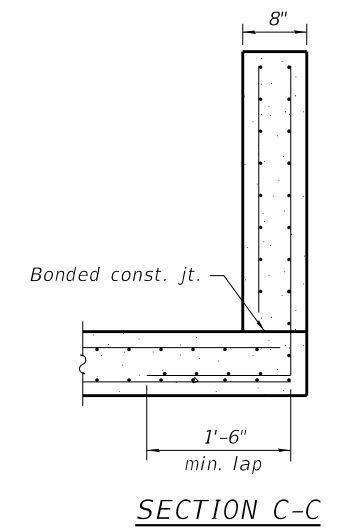
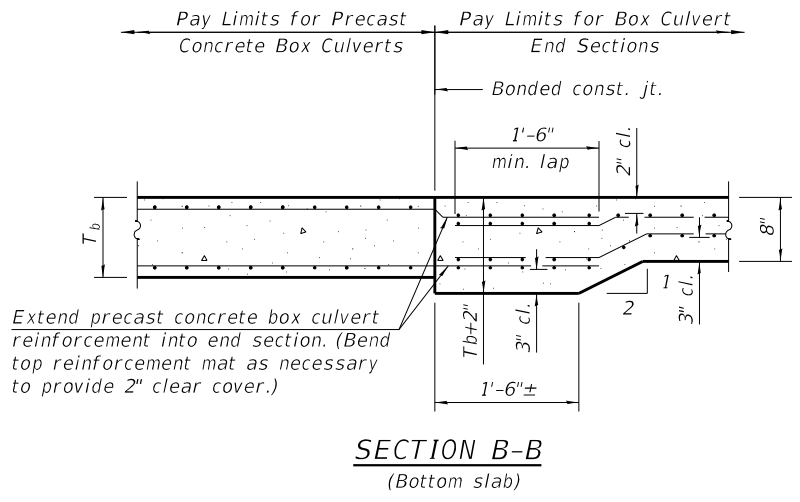
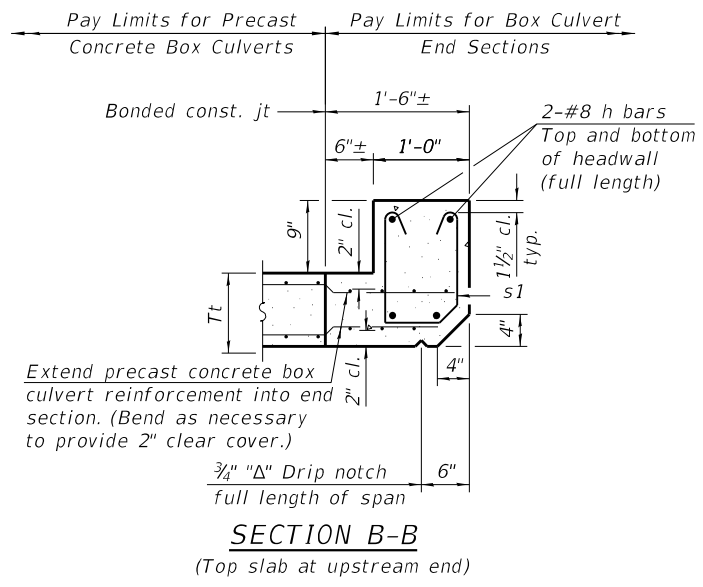
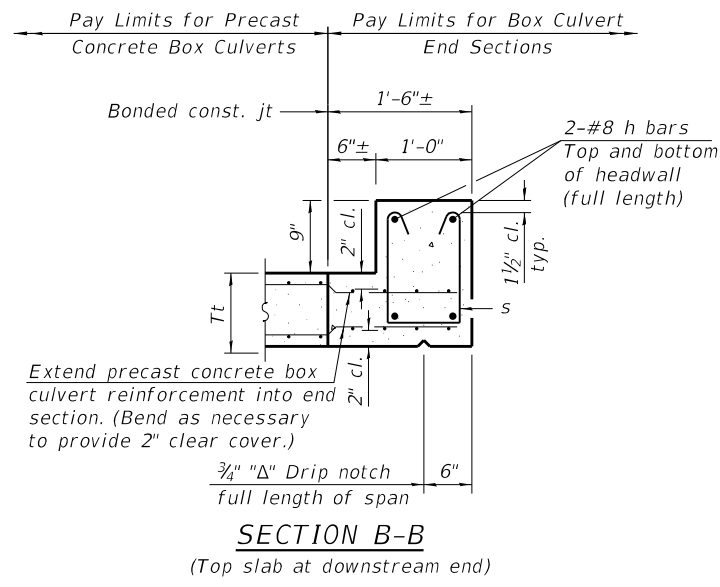
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MULTI-CELL PRECAST CONCRETE BOX CULVERT APRON END  
SECTION DETAILS - STRUCTURE NO. 084-2524**

SHEET 2 OF 4 SHEETS

F.A.S. RTE. 1645	SECTION (B) CR	COUNTY SANGAMON	TOTAL SHEETS 119	SHEET NO. 69
CONTRACT NO. 72F27				
ILLINOIS		FED. AID PROJECT		

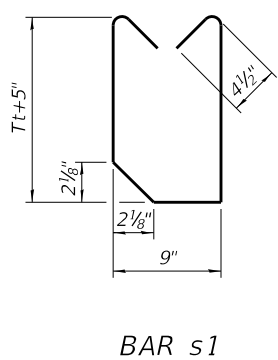
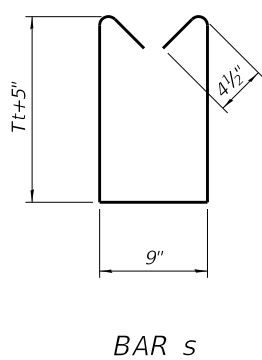
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**TOEWALL CONSTRUCTION SEQUENCE**

1. Perform excavation and construct toewall.
2. Backfill accordingly and prepare bedding for box culvert end sections.
3. Construct remainder of box culvert end section.

Note:  
 If soil conditions permit, the toewall may be poured monolithically with the bottom slab of the end section using Alt. Section D-D subject to approval from the Engineer.



MCB-AES 2-17-2017

(Sheet 2 of 2)



USER NAME = damann	DESIGNED - DRA	REVISED -
PLOT SCALE =	CHECKED - ALN	REVISED -
PLOT DATE = 05/28/2019	DRAWN - DRA	REVISED -
	CHECKED - ALN	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

MULTI-CELL PRECAST CONCRETE BOX CULVERT APRON END  
 SECTION DETAILS - STRUCTURE NO. 084-2524

F.A.S. RTE. 1645	SECTION (B) CR	COUNTY SANGAMON	TOTAL SHEETS 119	SHEET NO. 70
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

# SOIL BORING LOG

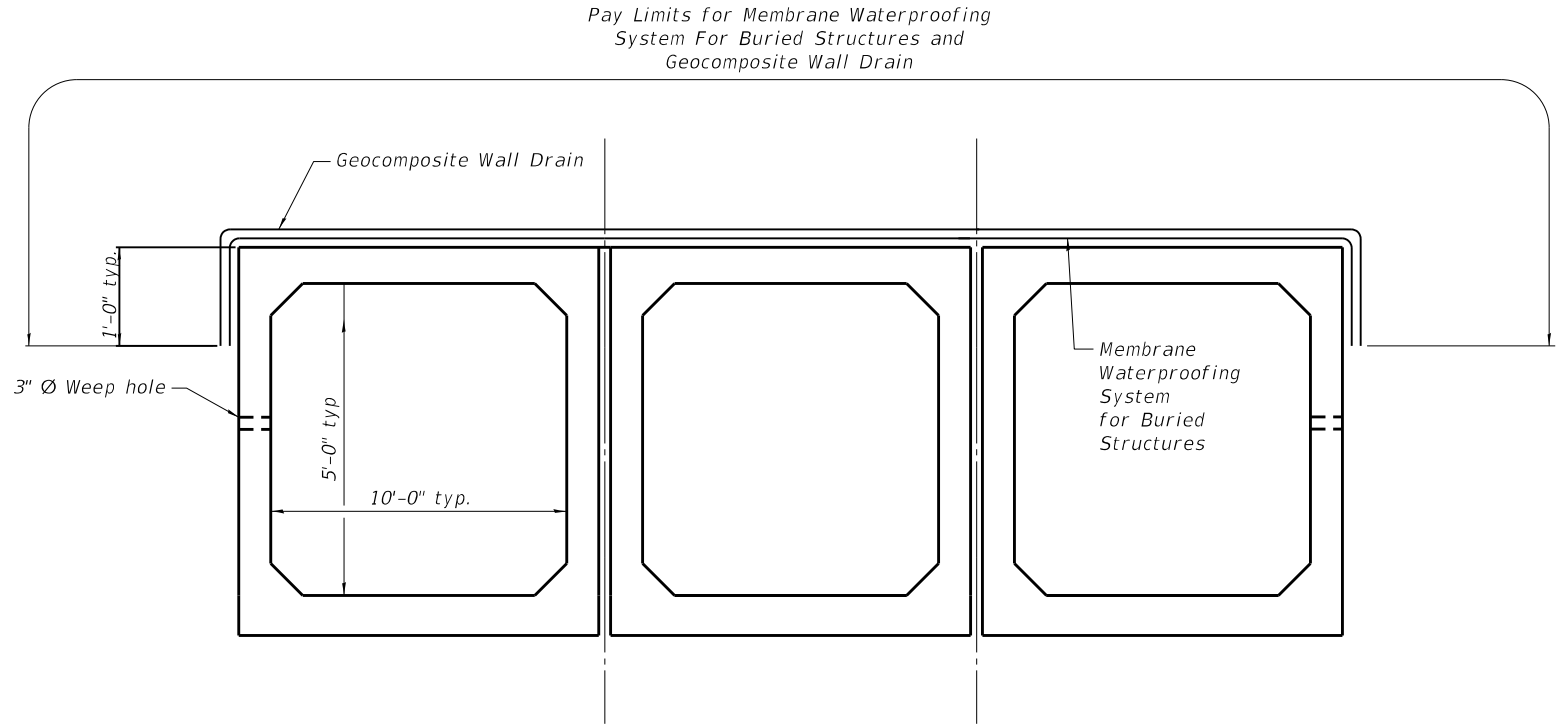
ROUTE FAP 1645 (IL123) DESCRIPTION IL 123 over Unnamed Ditch LOGGED BY M. Tappan

SECTION (B) CR LOCATION NE 1/4, SEC. 5, TWP. 18N, RNG. 5W, 3 PM

COUNTY Sangamon DRILLING METHOD HSA HAMMER TYPE 140# Auto

STRUCT. NO.	EX SN 084-7099 PR SN 084-2524	DEPTH	BLU S Qu	M O I S T	Surface Water Elev. <u>586.7 (Dry)</u> ft	DEPTH	BLU S Qu	M O I S T
Station	710+64	(ft)	/6"	(tsf)	Stream Bed Elev. <u>586.7</u> ft	(ft)	/6"	(tsf)
BORING NO.	1 SE WW				Groundwater Elev.:			
Station	710+43				▽ First Encounter _____ ft			
Offset	18.0ft LT				▽ Upon Completion <u>Dry</u> ft			
Ground Surface Elev.	591.6 ft				▽ After _____ Hrs. <u>Plugged</u> ft			

Very Dark Gray Moist SILTY CLAY (Disturbed) Poor Recovery	1				Light Gray Dry Silty SHALE (continued)	8		
	4	4.3	21			24	10.0	9
589.10	4	P				36	E	
Very Dark Gray Moist SILTY CLAY LOAM (Disturbed)	1					4		
	2	2.8	21			34	13.7	9
	3	P			567.10	48	E	
	-5				Boring Completed	-25		
585.60	1							
Tan and Light Gray Moist SILT LOAM	3	.80	22					
	3	P						
	1							
No Recovery	2							
581.60	-10					-30		
Gray and Brown Moist CLAY LOAM (Till)	0							
Sample Broken	3	4.5	12					
	6	P						
	8							
No Recovery	22	9.0						
	33	E						
	-15					-35		
	3							
Gray Dry CLAY LOAM (Till)	12	4.5	8					
Sample Broken	26	P						
	5							
Gray Moist CLAY LOAM (Till) with 8" Seam Light Gray Dry Silty Shale	8	4.5	12					
572.60	17	P						
Light Gray Dry Silty SHALE	-20					-40		



**SECTION THRU CULVERT BARRELS**

Note:  
Geocomposite Wall Drain shall be according to Section 591 of the Standard Specifications, except the concrete nails shall not be used in areas where it overlaps Membrane Waterproofing System for Buried Structures.

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated)  
Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating  
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, from 137 (Rev. 8-99)

MODEL: MCB-AES (2 of 2)  
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USER NAME =	damann	DESIGNED -	DRA	REVISED -	
		CHECKED -	ALN	REVISED -	
PLOT SCALE =		DRAWN -	DRA	REVISED -	
PLOT DATE =	05/28/2019	CHECKED -	ALN	REVISED -	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BORING LOG & WATERPROOFING DETAILS  
STRUCTURE NO. 084-2524

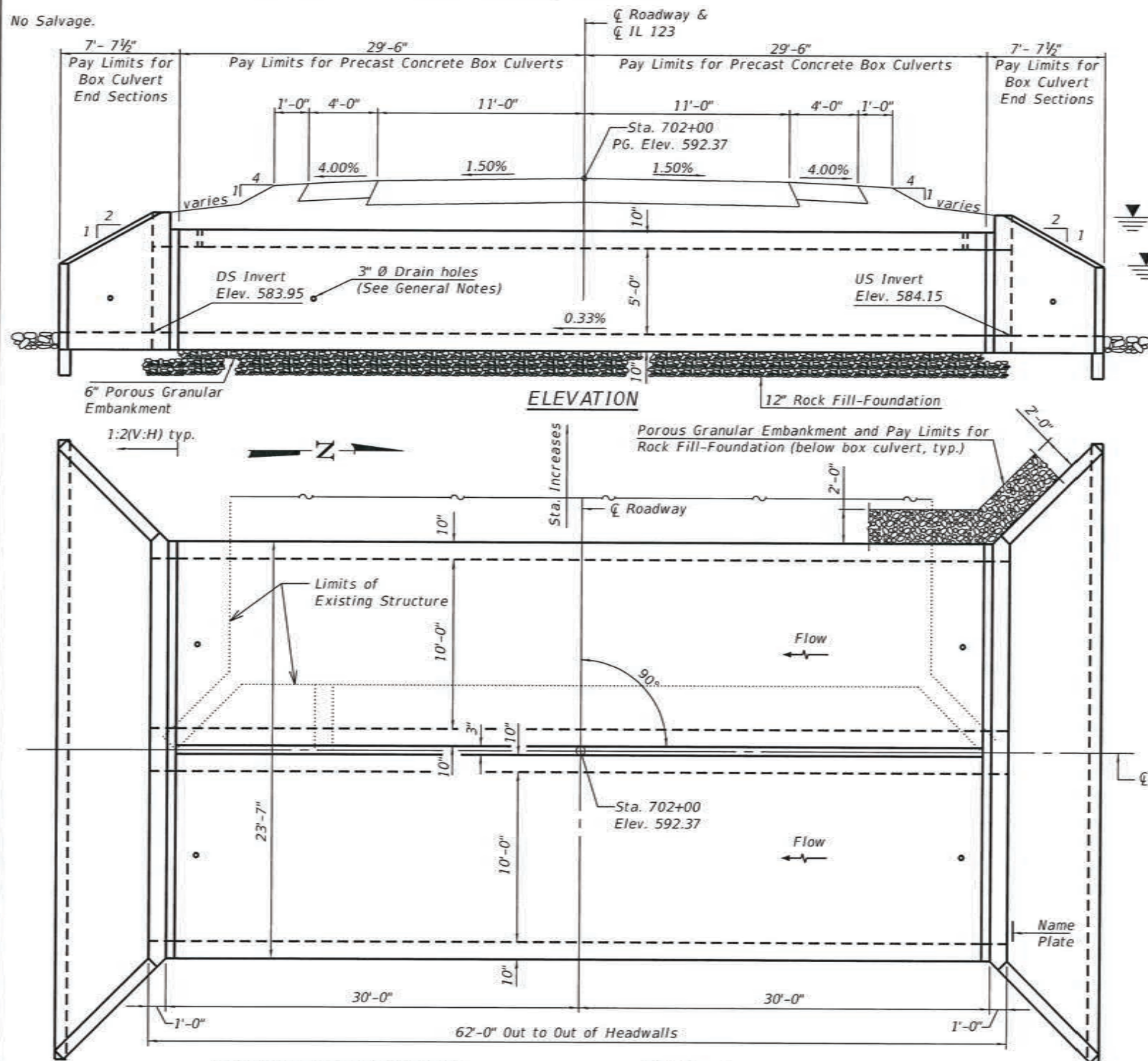
SHEET 4 OF 4 SHEETS

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	71
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

Benchmark: BMJJ2 Located in the center at the top of the South Headwall, Sta. 702+11.80, off 24.3' Lt., Elev. 591.44

Existing Structure: SN 084-7100 was built at Sta. 702+11 and was extended in 1984 under Section B(W,RS-2) of FAS 1645. The structure consists of 2 single cell box culverts (12'x5' and 6'x3') connected by a single headwall and is 46'-0" in length. Structure is to be removed and replaced with a double 10'x5' precast concrete box culvert at Sta. 702+00. Traffic to be detoured during construction.

No Salvage.



### INDEX OF SHEETS

1. General Plan and Elevation
- 2.-3. Multi-cell Precast Concrete Box Culvert
- Apron End Section Details
4. Waterproofing Details

### GENERAL NOTES

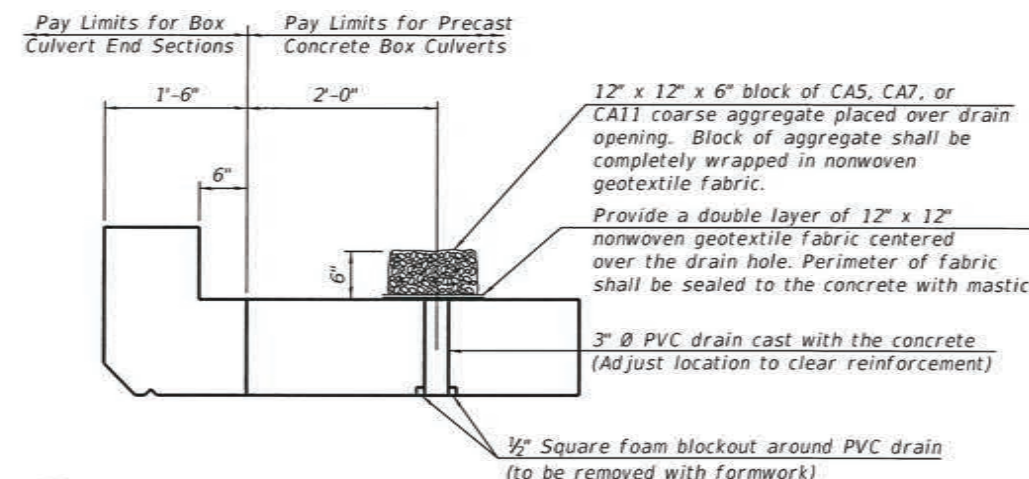
The design fill height for this box is 2 ft. The precast box culvert sections shall conform to the requirements of ASTM C 1577.

Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specification.

Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.

Precast concrete box culverts and box culvert end sections shall be backfilled with Porous Granular Embankment below the top of the box culvert extending to a vertical plane 2 ft from the exterior sides of the culvert, 2 ft from the back face of the end sections, and not closer than 2 ft from the face of embankment.

See Roadway Plans for Riprap details and quantities.



### DESIGN SCOUR ELEVATION TABLE

Design Scour Elev. (ft)	D.S.	U.S.
	580.95	581.15

### DRAIN DETAIL

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)

### DESIGN SPECIFICATIONS

2012 AASHTO LRFD Bridge Design Specifications  
6th Edition with 2013 interims

### LOADING HL-93

Allow 50 lbs./sq.ft. for future wearing surface

### DESIGN STRESSES

#### PRECAST UNITS

$f'_c = 5,000$  psi  
 $f_y = 65,000$  psi (Welded Wire Reinforcement)

#### FIELD UNITS

$f'_c = 3,500$  psi  
 $f_y = 65,000$  psi (Welded Wire Reinforcement)

### TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Removal of Existing Structures No. 2	Each	1
Name Plates	Each	1
Box Culvert End Sections, Culvert No. 2	Each	2
Precast Concrete Box Culverts, 10'x5'	Foot	118
Geocomposite Wall Drain	Sq. Yd.	171
Membrane Waterproofing System for Buried Structures	Sq. Yd.	171
Rock Fill-Foundation	Cu. Yd.	87

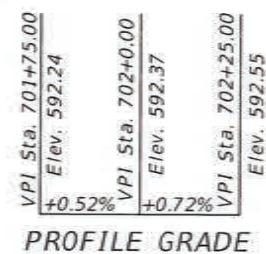
### WATERWAY INFORMATION

Drainage Area = 1.9 sq. mi. Low Grade Elev. = 592.1 @ Sta. 701+17

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
Design	10	354	71	95	589.7	0.2	0.0	590.1	589.7
Base	50	574	78	95	590.5	1.7	0.4	592.2	591.0
Overtopping	100	672	78	95	590.8	1.8	0.8	592.2	591.6
Max. Calc.	500	911	78	95	591.4	1.6	1.2	593.0	592.6

10-Year Outlet Velocity from Proposed Structure = 1.9 fps

### PLAN



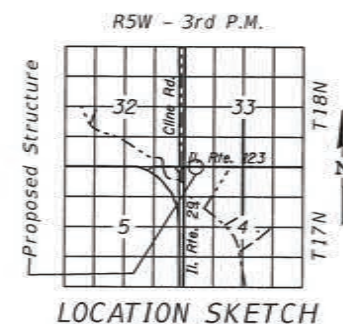
### PROFILE GRADE

Along C of IL 123

STATION 702+00  
BUILT BY  
STATE OF ILLINOIS  
F.A.S. RT.1645 SEC. (B) CR  
LOADING HL-93  
STR. NO. 084-2525

### NAME PLATE

See Std. 515001



### LOCATION SKETCH



10/8/2019  
Angela L. Nemsky  
EXPIRES 11/30/2020

GENERAL PLAN AND ELEVATION  
IL RTE. 123 OVER TRIB. TO CANTRALL CR.  
F.A.S. RTE. 1645 SEC. (B) CR  
SANGAMON COUNTY  
STATION 702+00  
S.N. 084-2525

DCB-GPE

2-17-2017



USER NAME = damann	DESIGNED - DRA	REVISED -
PLOT SCALE =	CHECKED - ALN	REVISED -
PLOT DATE = 05/28/2019	DRAWN - DRA	REVISED -
	CHECKED - ALN	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

GENERAL PLAN AND ELEVATION  
STRUCTURE NO. 084-2525

SHEET 1 OF 4 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	72

CONTRACT NO. 72F27

ILLINOIS FED. AID PROJECT



**GENERAL NOTES**

Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. End sections will be paid for at the contract unit price per each for Box Culvert End Sections.

Box section dimensions, materials, and reinforcement details for Box Culvert End Sections shall be according to the requirements for ASTM C 1577 as required for the design of the portion of the culvert within the limits of Precast Concrete Box Culverts except as modified herein.

Details for Double Cell Box Culvert shown. Details for Triple Cell Box Culvert similar.

The details contained herein are for constructing the end sections using cast-in-place (CIP) construction. The Contractor may propose to furnish the end sections using precast construction methods and the end sections may consist of multiple precast concrete segments. The Contractor shall be responsible for determining all details associated with the precast option including any strengthening or stiffening provisions necessary for handling the precast segments. Conceptual details followed by shop drawings and design calculations sealed by an Illinois Licensed Structural Engineer shall be submitted to the Engineer for review and approval. Elements of the precast option shall at a minimum result in the same wingwall geometry and not have a thickness less than that detailed herein. The option to construct the end sections using precast construction methods shall be at no additional charge.

Shop drawings that detail slab thickness and reinforcement layout for the Box Culvert End Sections shall be provided to the Engineer for review and approval. Reinforcement bars not detailed herein shall be detailed with a clear distance at the end of the reinforcement not less than 1/2" nor more than 2".

The Contractor may use reinforcement bars in lieu of welded wire reinforcement (WWR). Reinforcement bars shall be limited to the sizes of #3 through #5 bars, a maximum spacing of the lesser of 8" or the member thickness, and shall result in an area of reinforcement equal to or greater than that provided by the WWR. Minimum lap lengths detailed herein are applicable to WWR and reinforcement bars.

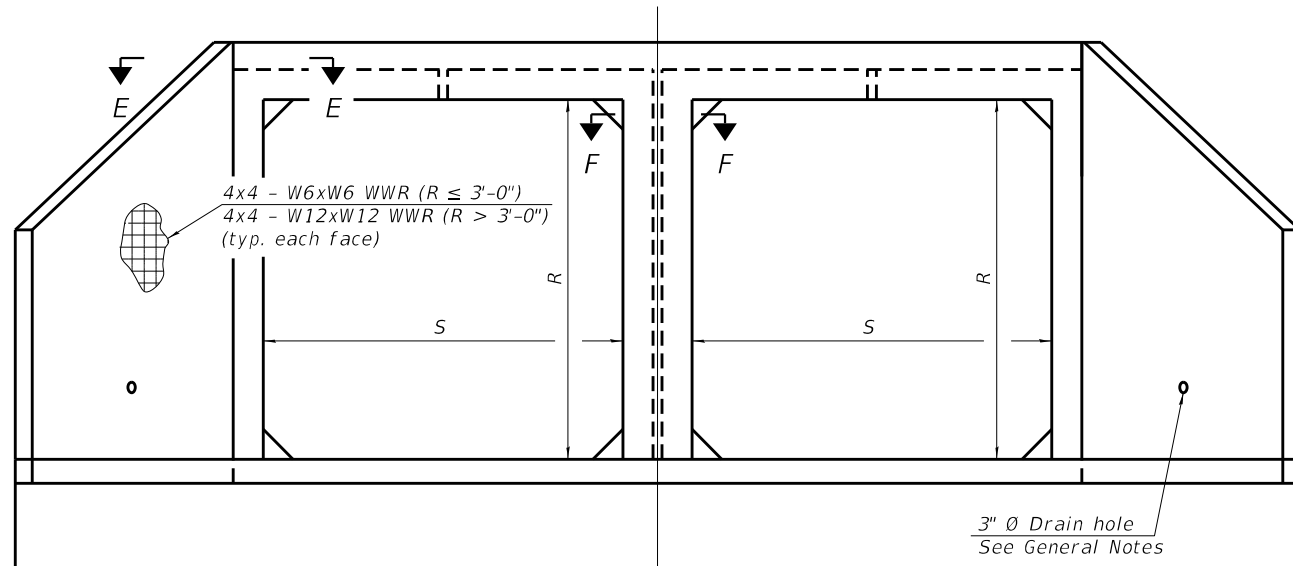
Reinforcement (circumferential and longitudinal) in the precast concrete box culvert segments immediately adjacent to the box culvert end sections that is being lapped with the end section reinforcement shall not be less than that required by ASTM C 1577 for the design fill height or the reinforcement detailed for the end section, whichever is greater.

One drain hole shall be provided in each wingwall for end sections of box culverts having an opening with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert and shall conform to the requirements of Article 503.11 of the Standard Specifications.

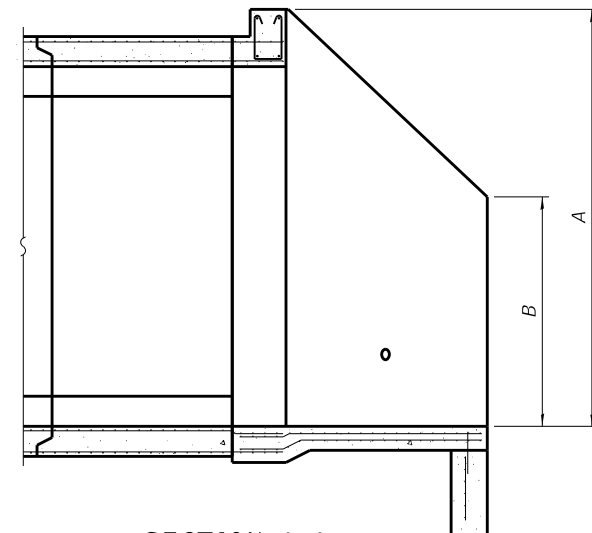
**APRON END SECTION DIMENSIONS**

Span (S)	Rise (R)	Tt, Tb, & Ts	A	B	C	D	Double Cell		Triple Cell	
							E	Concrete Cu. Yd.	E	Concrete Cu. Yd.
7'-0"	2'-0"	8"	3'-5"	2'-3"	2'-11 3/8"	4'-2"	23'-9"	6.6		
7'-0"	3'-0"	8"	4'-5"	2'-9"	3'-11 3/8"	5'-7"	25'-9 1/8"	8.0		
7'-0"	4'-0"	8"	5'-5"	3'-3"	4'-11 3/8"	7'-0"	27'-9 1/8"	9.5		
7'-0"	5'-0"	8"	6'-5"	3'-9"	5'-11 3/8"	8'-5"	29'-9 1/8"	11.2		
7'-0"	6'-0"	8"	7'-5"	4'-3"	6'-11 1/2"	9'-10"	31'-9 1/4"	13.1		
8'-0"	2'-0"	8"	3'-5"	2'-3"	2'-11 3/8"	4'-2"	25'-9"	7.1		
8'-0"	3'-0"	8"	4'-5"	2'-9"	3'-11 3/8"	5'-7"	27'-9 1/8"	8.6		
8'-0"	4'-0"	8"	5'-5"	3'-3"	4'-11 3/8"	7'-0"	29'-9 1/8"	10.2		
8'-0"	5'-0"	8"	6'-5"	3'-9"	5'-11 3/8"	8'-5"	31'-9 1/8"	11.9		
8'-0"	6'-0"	8"	7'-5"	4'-3"	6'-11 1/2"	9'-10"	33'-9 1/4"	13.8		
9'-0"	2'-0"	9"	3'-6"	2'-3"	3'-0 3/4"	4'-4"	28'-3 3/8"	8.2	39'-0 7/8"	11.4
9'-0"	3'-0"	9"	4'-6"	2'-9"	4'-0 3/4"	5'-9"	30'-3 3/8"	9.7	41'-0 7/8"	13.3
9'-0"	4'-0"	9"	5'-6"	3'-3"	5'-0 3/4"	7'-2"	32'-3 3/8"	11.4	43'-0 7/8"	15.4
9'-0"	5'-0"	9"	6'-6"	3'-9"	6'-0 7/8"	8'-7"	34'-4"	13.2	45'-1"	17.6
9'-0"	6'-0"	9"	7'-6"	4'-3"	7'-0 1/8"	9'-11"	36'-2 5/8"	15.1	46'-11 3/8"	19.8
10'-0"	2'-0"	10"	3'-7"	2'-4"	3'-1 1/2"	4'-5"	30'-9 1/4"	9.2	42'-8 1/4"	13.0
10'-0"	3'-0"	10"	4'-7"	2'-10"	4'-1 1/2"	5'-10"	32'-9 1/4"	10.8	44'-8 1/4"	15.0
10'-0"	4'-0"	10"	5'-7"	3'-4"	5'-1 1/2"	7'-3"	34'-9 3/8"	12.6	46'-8 3/8"	17.2
10'-0"	5'-0"	10"	6'-7"	3'-10"	6'-1 1/2"	8'-8"	36'-9 3/8"	14.5	48'-8 3/8"	19.5
10'-0"	6'-0"	10"	7'-7"	4'-4"	7'-1 1/2"	10'-1"	38'-9 3/8"	16.6	50'-8 3/8"	22.0
11'-0"	2'-0"	11"	3'-8"	2'-4"	3'-2 7/8"	4'-7"	33'-4 1/8"	10.4	46'-5 1/8"	14.7
11'-0"	3'-0"	11"	4'-8"	2'-10"	4'-2 7/8"	6'-0"	35'-4 1/8"	12.1	48'-5 1/8"	16.9
11'-0"	4'-0"	11"	5'-8"	3'-4"	5'-2 1/4"	7'-4"	37'-2 3/4"	13.9	50'-3 3/4"	19.1
11'-0"	5'-0"	11"	6'-8"	3'-10"	6'-2 1/4"	8'-9"	39'-2 7/8"	15.8	52'-3 7/8"	21.4
11'-0"	6'-0"	11"	7'-8"	4'-4"	7'-2 1/4"	10'-2"	41'-2 7/8"	18.1	54'-3 7/8"	24.2
12'-0"	2'-0"	12"	3'-9"	2'-5"	3'-3 3/8"	4'-8"	35'-9 1/2"	11.6	50'-0 1/2"	16.5
12'-0"	3'-0"	12"	4'-9"	2'-11"	4'-3 3/8"	6'-1"	37'-9 1/2"	13.4	52'-0 1/2"	18.8
12'-0"	4'-0"	12"	5'-9"	3'-5"	5'-3 3/8"	7'-6"	39'-9 5/8"	15.4	54'-0 5/8"	21.2
12'-0"	5'-0"	12"	6'-9"	3'-11"	6'-3 3/8"	8'-11"	41'-9 5/8"	17.6	56'-0 5/8"	23.8
12'-0"	6'-0"	12"	7'-9"	4'-5"	7'-3 3/8"	10'-4"	43'-9 3/8"	19.8	58'-0 3/8"	26.6

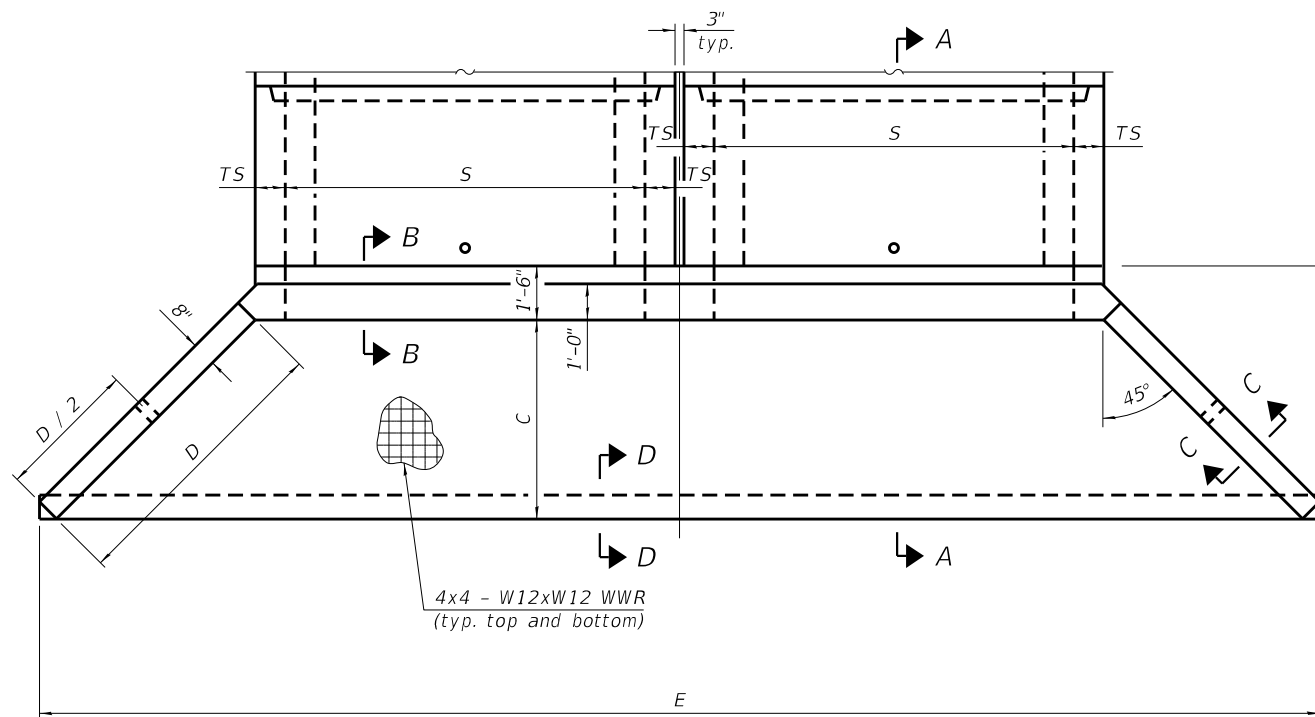
(Sheet 1 of 2)



**END VIEW**



**SECTION A-A**



**PLAN**

Pay Limits for Precast Concrete Box Culverts  
Pay Limits for Box Culvert End Sections

MCB-AES

2-17-2017

USER NAME = damann	DESIGNED - DRA	REVISED -
CHECKED - ALN	REVISIONS -	
PLOT SCALE =	DRAWN - DRA	REVISED -
PLOT DATE = 05/28/2019	CHECKED - ALN	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MULTI-CELL PRECAST CONCRETE BOX CULVERT APRON END  
SECTION DETAILS - STRUCTURE NO. 084-2525**

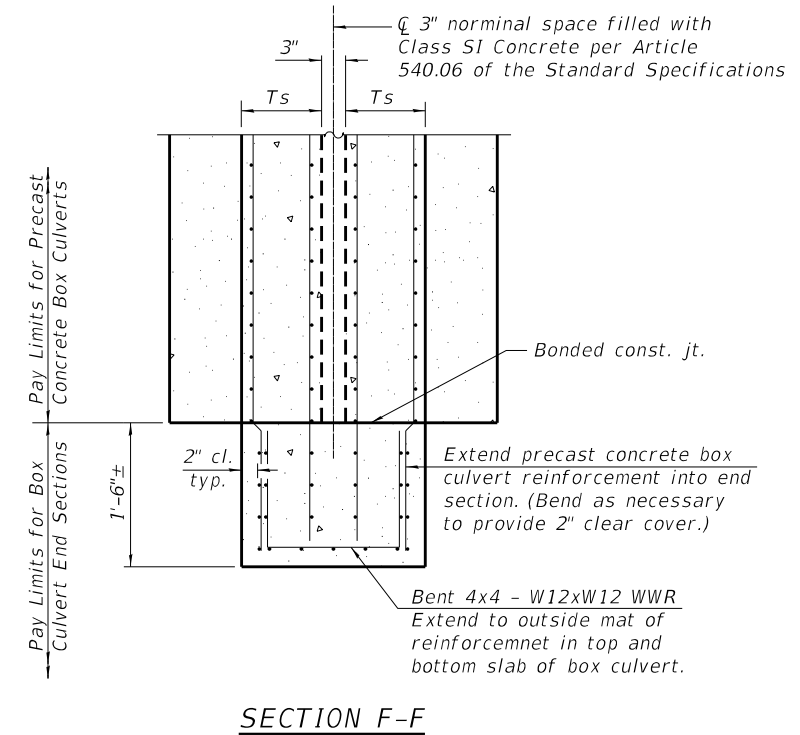
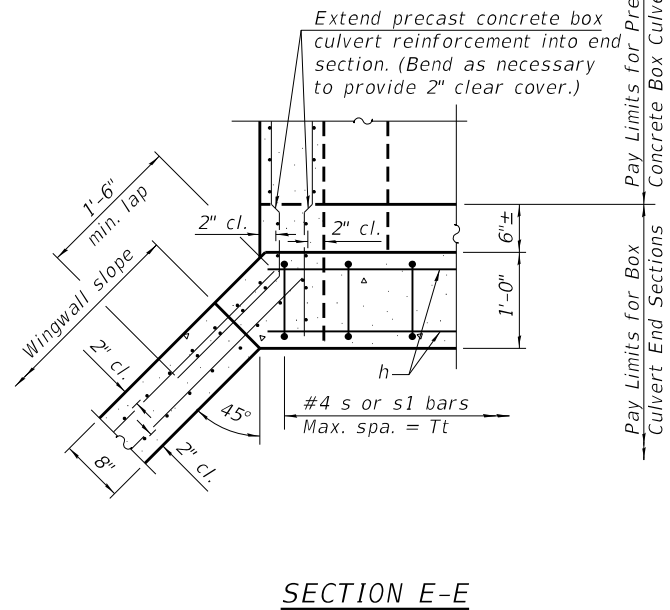
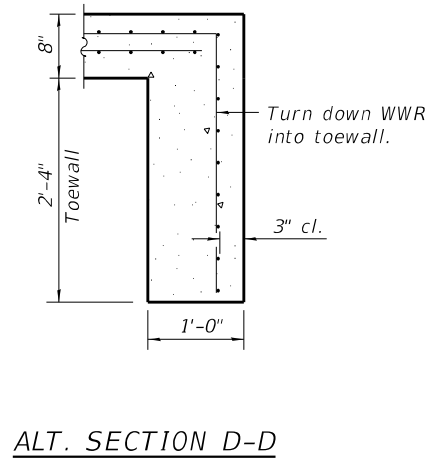
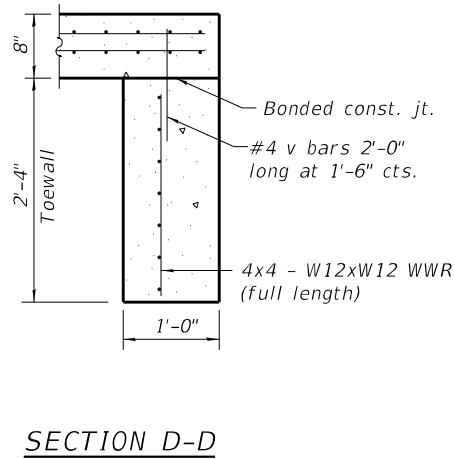
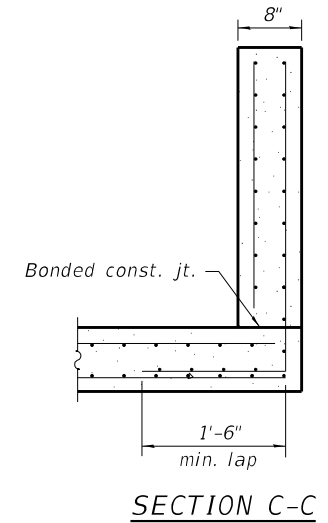
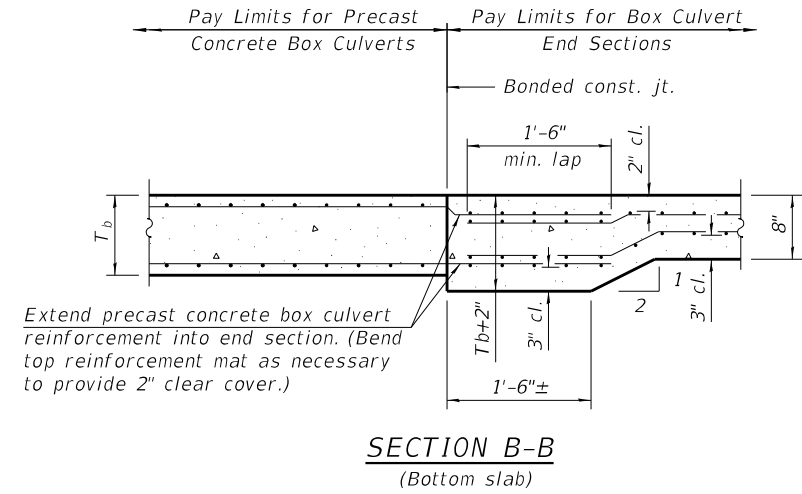
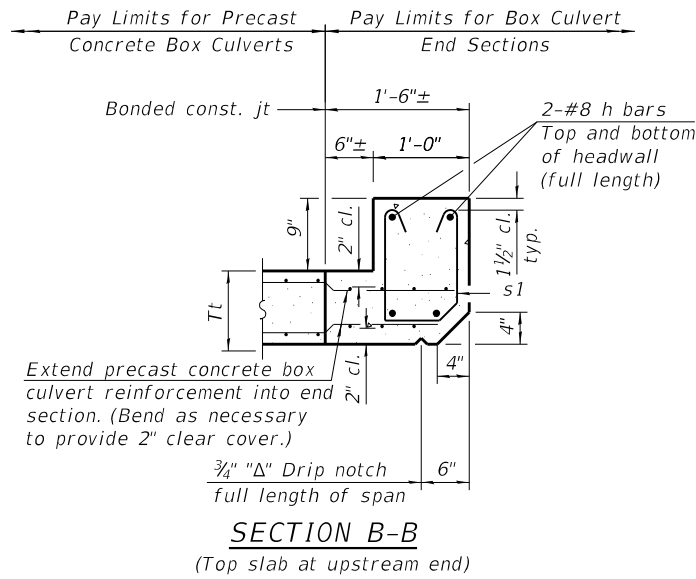
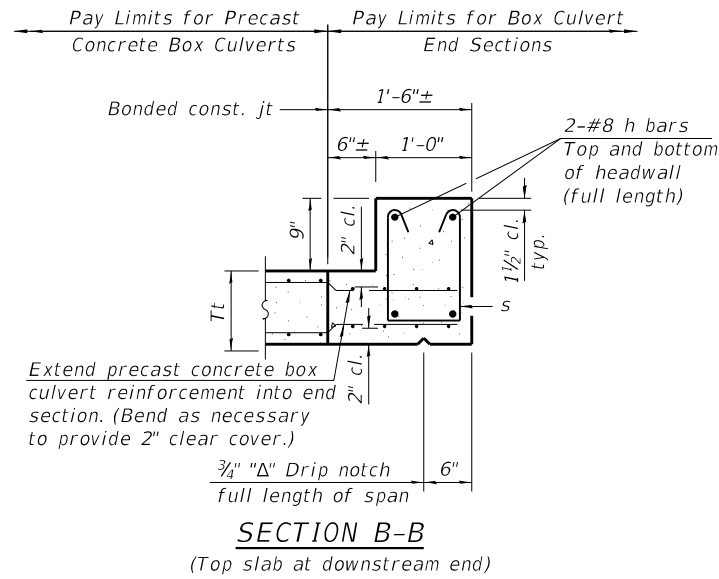
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CONTRACT NO. 72F27				

SHEET 2 OF 4 SHEETS

ILLINOIS FED. AID PROJECT

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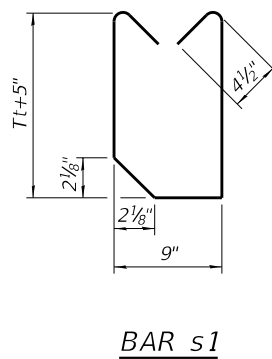
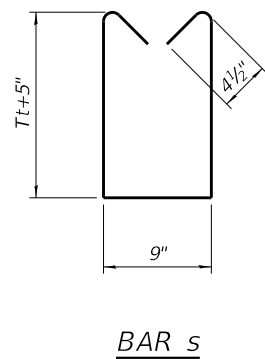


**TOEWALL CONSTRUCTION SEQUENCE**

1. Perform excavation and construct toewall.
2. Backfill accordingly and prepare bedding for box culvert end sections.
3. Construct remainder of box culvert end section.

Note:

If soil conditions permit, the toewall may be poured monolithically with the bottom slab of the end section using Alt. Section D-D subject to approval from the Engineer.



MCB-AES

2-17-2017

(Sheet 2 of 2)



USER NAME = damann	DESIGNED - DRA	REVISED -
PLOT SCALE =	CHECKED - ALN	REVISED -
PLOT DATE = 05/28/2019	DRAWN - DRA	REVISED -
	CHECKED - ALN	REVISED -

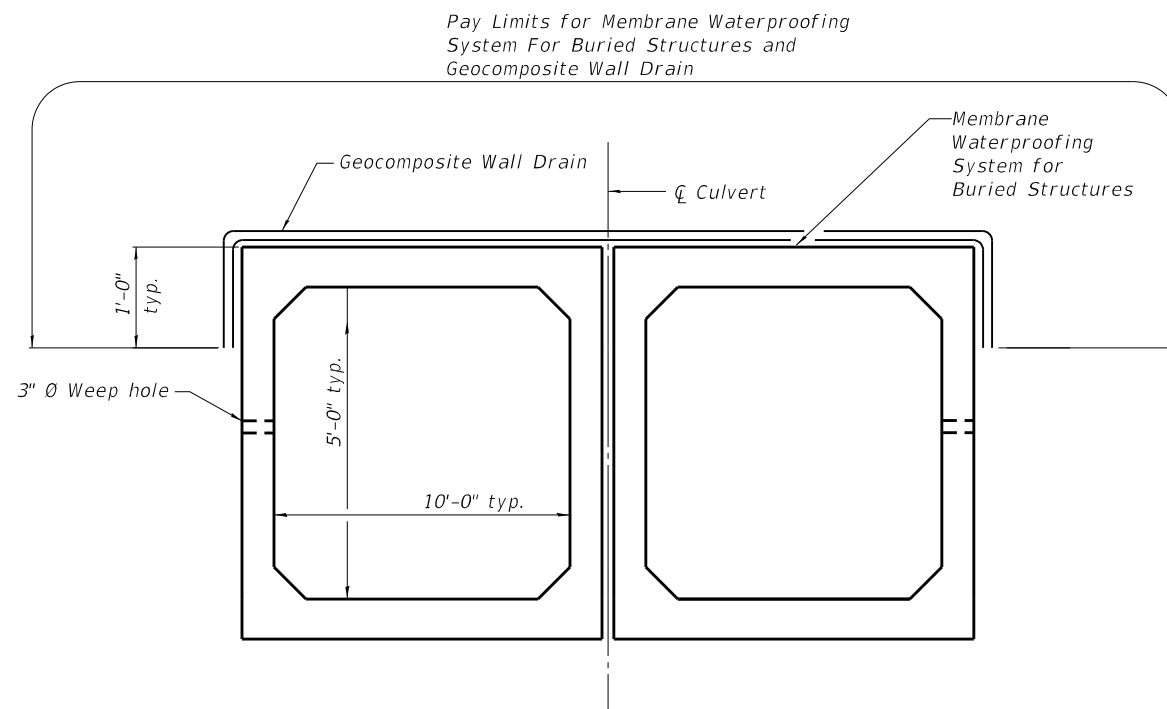
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

MULTI-CELL PRECAST CONCRETE BOX CULVERT APRON END  
 SECTION DETAILS - STRUCTURE NO. 084-2525

SHEET 3 OF 4 SHEETS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	74
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

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**SECTION THRU CULVERT BARRELS**

Note:  
 Geocomposite Wall Drain shall be according to Section 591 of the Standard Specifications, except the concrete nails shall not be used in areas where it overlaps Membrane Waterproofing System for Buried Structures.



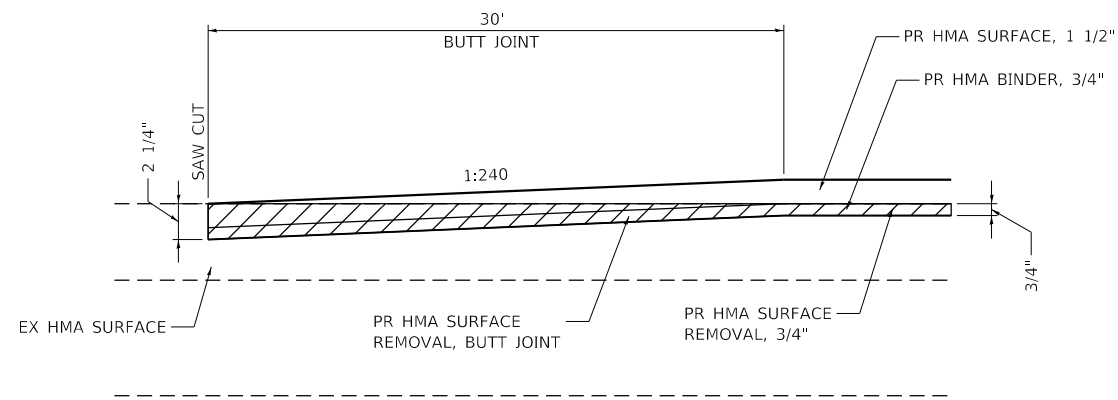
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PLOT DATE =	05/28/2019	CHECKED -	ALN	REVISED -	

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**WATERPROOFING DETAILS  
 STRUCTURE NO. 084-2525**

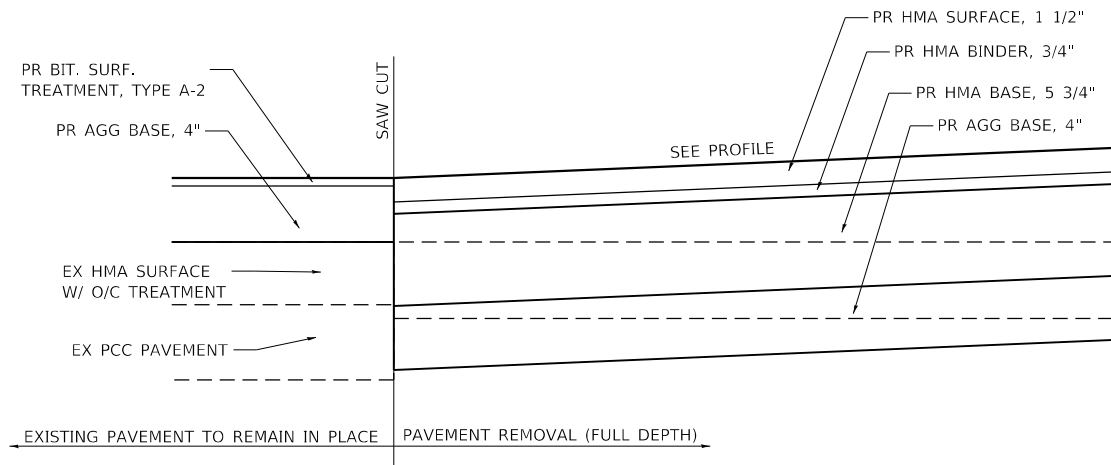
SHEET 4 OF 4 SHEETS

F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				



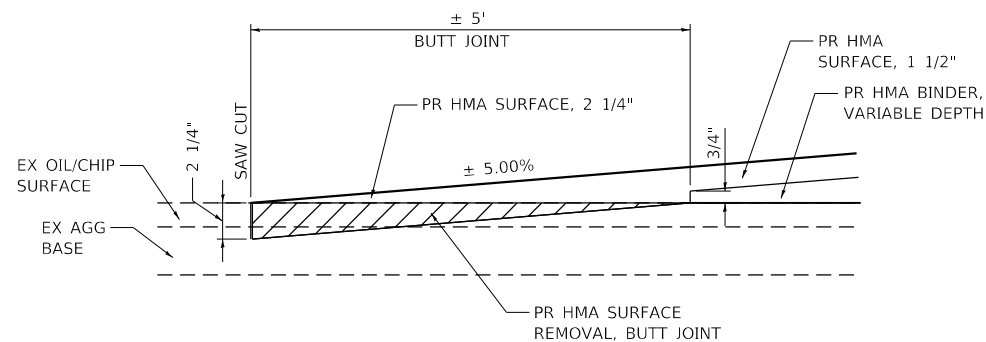
**BUTT JOINT DETAIL**

IL 123 STA. 698+50.00  
IL 123 STA. 715+00.00



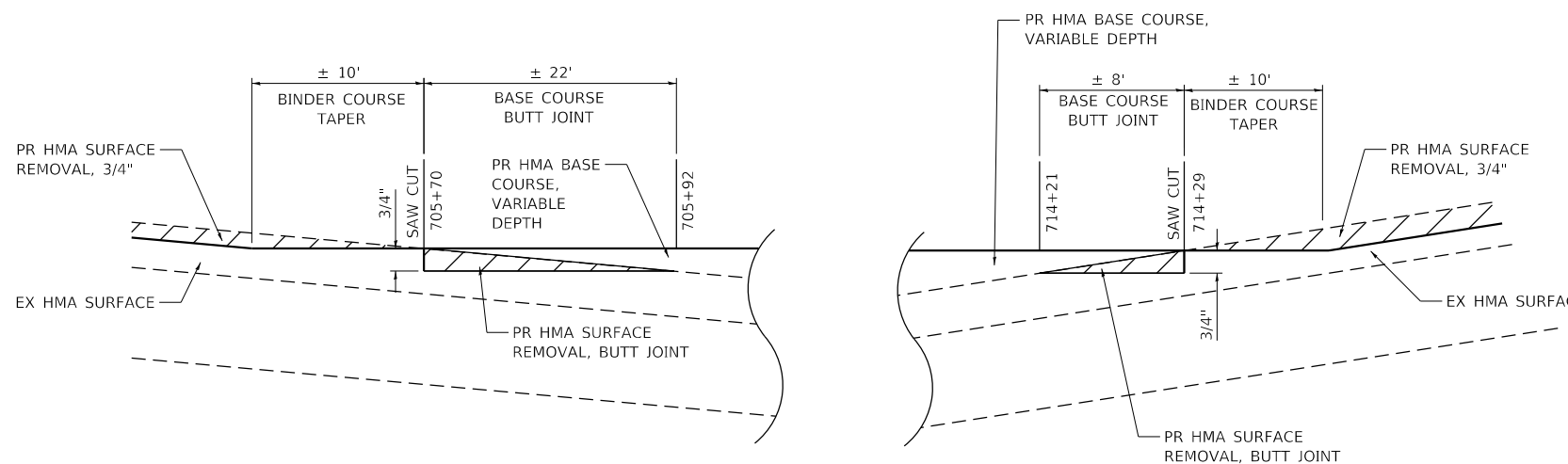
**PAVING DETAIL**

REALIGNED OLD ROUTE 29 STA. 11+47.97 =  
OLD ROUTE 29 STA. 8+74.29



**BUTT JOINT DETAIL**

CLINE RD. STA. 10+57.97



**BASE COURSE BUTT JOINT DETAIL**

IL 123 STA. 705+70.00  
IL 123 STA. 714+29.00

**LEGEND**

- PAVEMENT REMOVAL
- MILLING

**NOTES:**

1. COST OF SAW CUTS INCLUDED IN THE COST OF VARIOUS REMOVAL ITEMS.

MOE:\1. Default  
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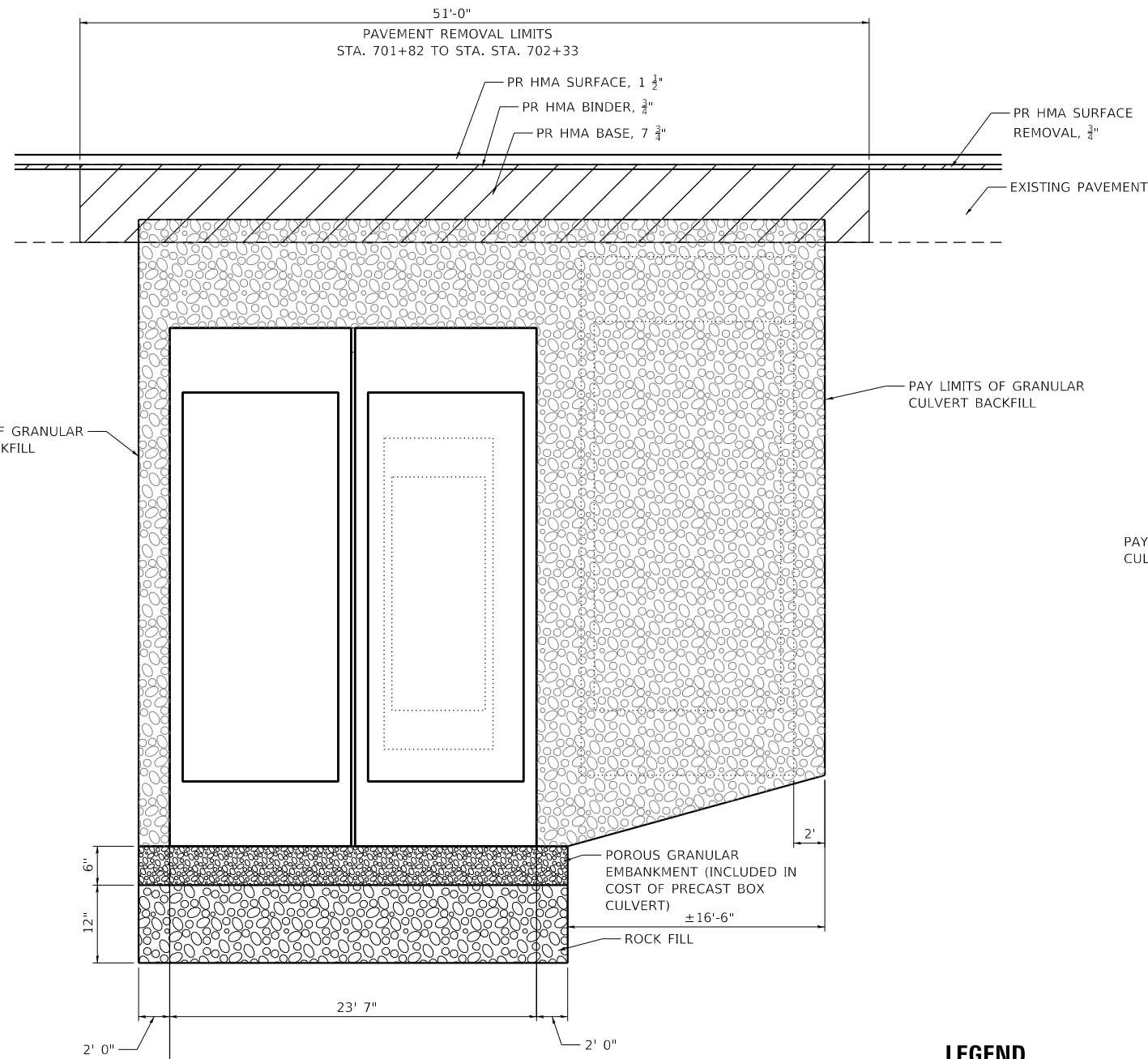
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PLOT DATE = 5/7/2020	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MISCELLANEOUS DETAILS  
PAVING**

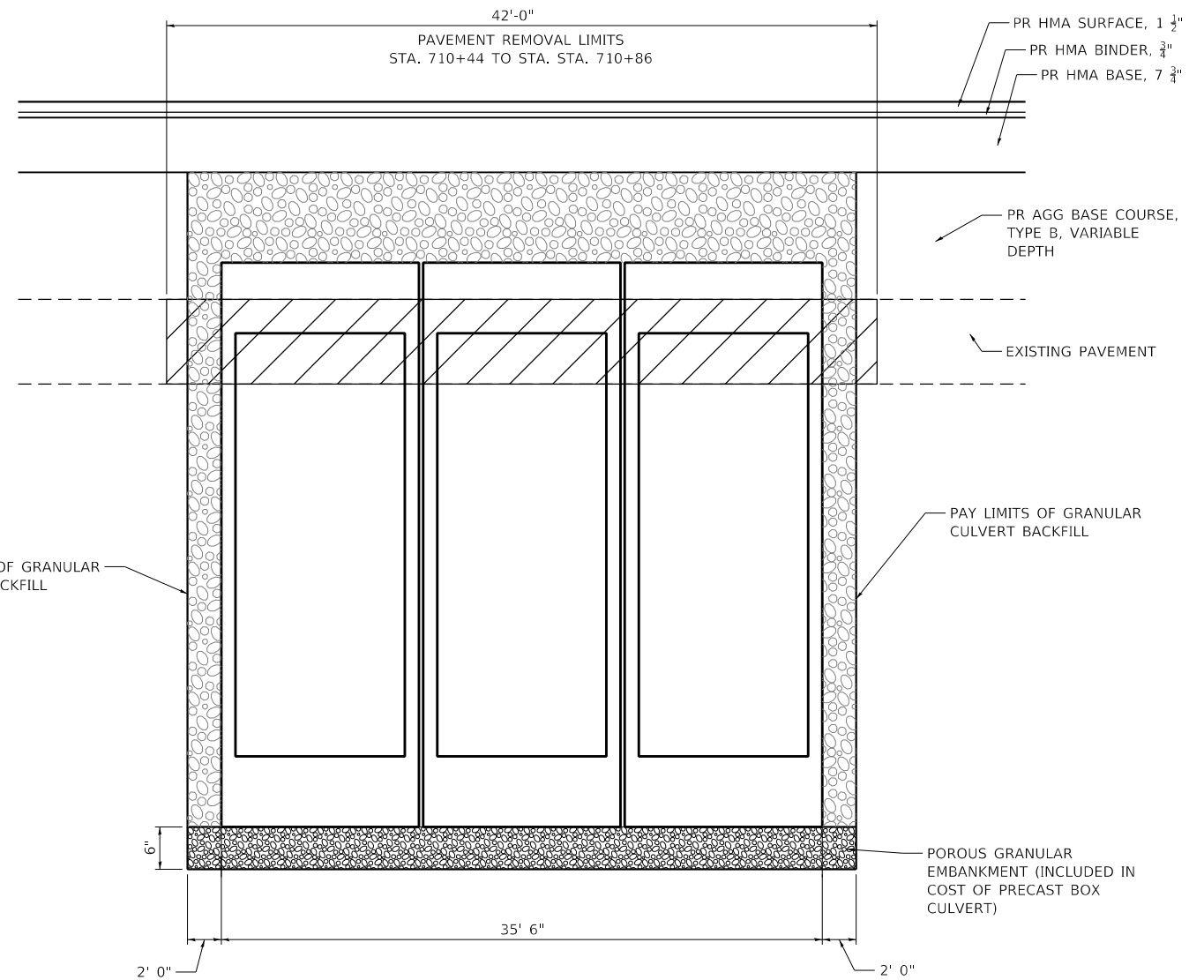
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	76
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				



**PAVEMENT REMOVAL & BACKFILL DETAIL**




SN 084-2525



**PAVEMENT REMOVAL & BACKFILL DETAIL**

SN 084-2524

**LEGEND**

-  PAVEMENT REMOVAL
-  MILLING
-  GRANULAR CULVERT BACKFILL (SEE DETAIL)

**NOTES:**

1. COST OF SAW CUTS INCLUDED IN THE COST OF VARIOUS REMOVAL ITEMS.
2. PAY LIMITS FOR GRANULAR CULVERT BACKFILL SHALL BE 2' OUTSIDE OF THE PROPOSED BOX CULVERT, IN ACCORDANCE WITH THE DISTRICT 6 STANDARD FOR GRANULAR BACKFILL, EXCEPT AT SN 084-2525, WHERE THE PAY LIMITS WILL BE EXTENDED TO INCLUDE THE VOID WITHIN 2' OF EXISTING BOX CULVERT TO BE REMOVED.
3. SEE DISTRICT 6 STANDARD FOR GRANULAR BACKFILL FOR DETAILS NOT SHOWN.

MOE:\1\_Default\_Plan\p1645\p1645\DOT\Documents\DOT\_Offices\Bartlett\_B\Projects\662727\Consultant\Drawn\TWM\Final\Sheets\662727\411-38-detailed\p1645.dgn



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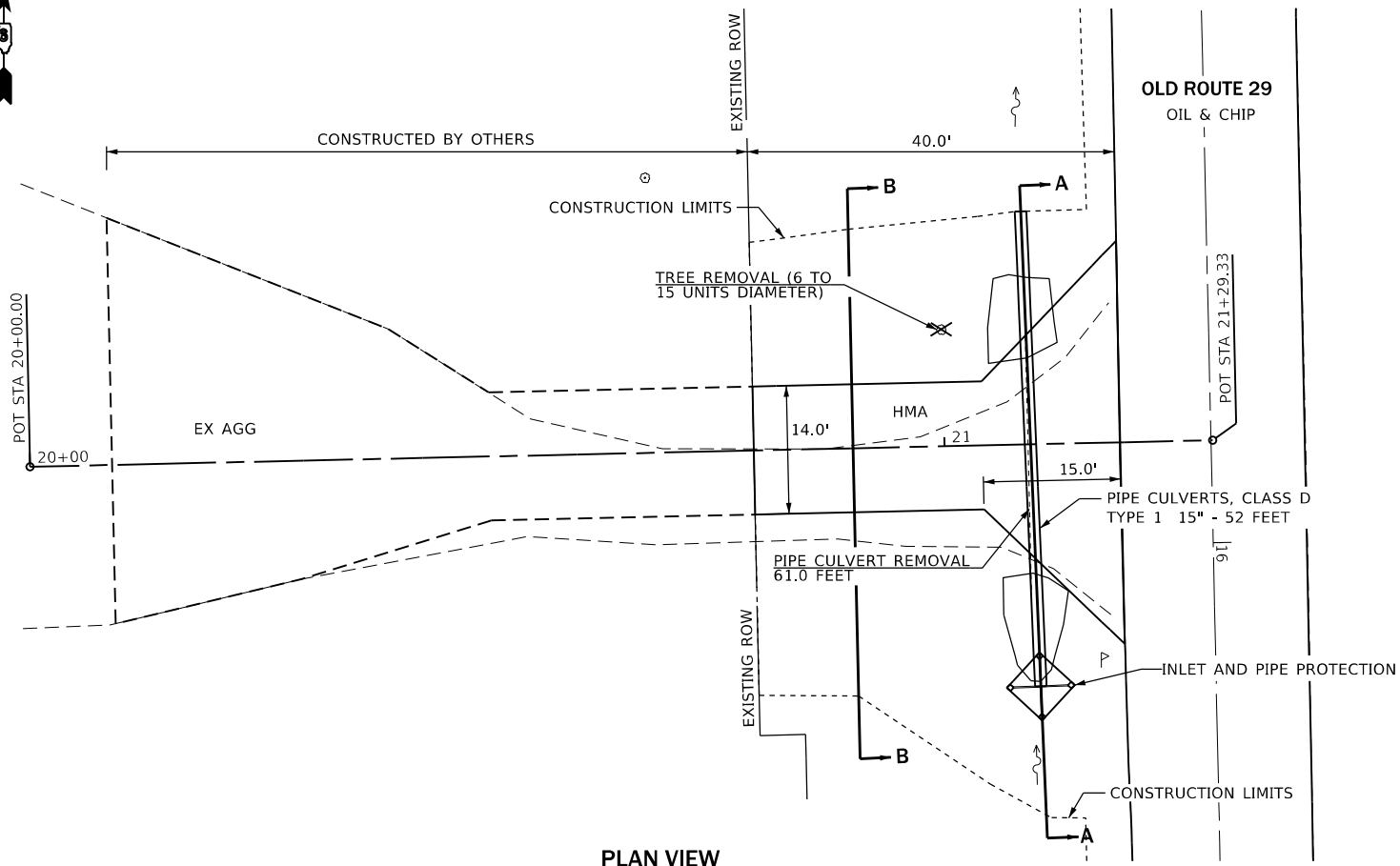
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**MISCELLANEOUS DETAILS  
PAVEMENT REMOVAL AND BACKFILL**

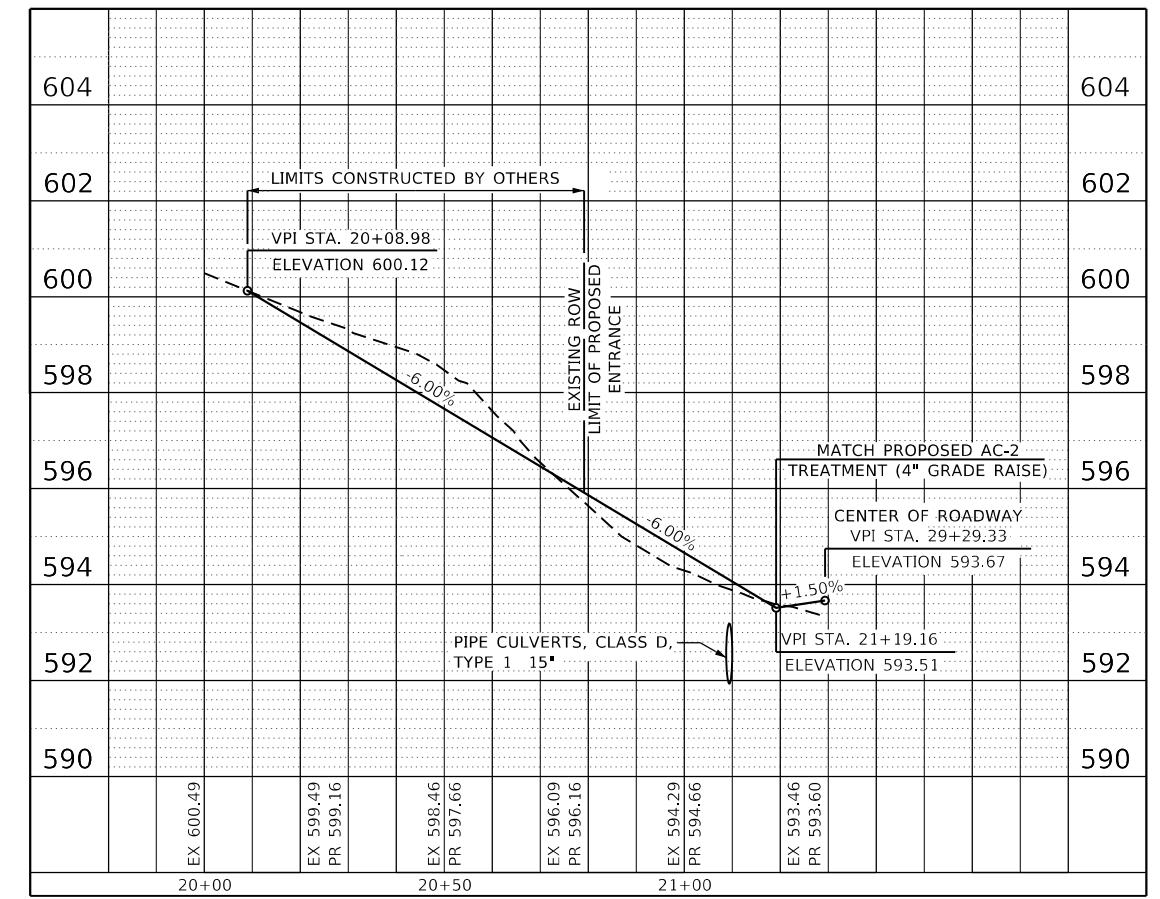
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	77
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

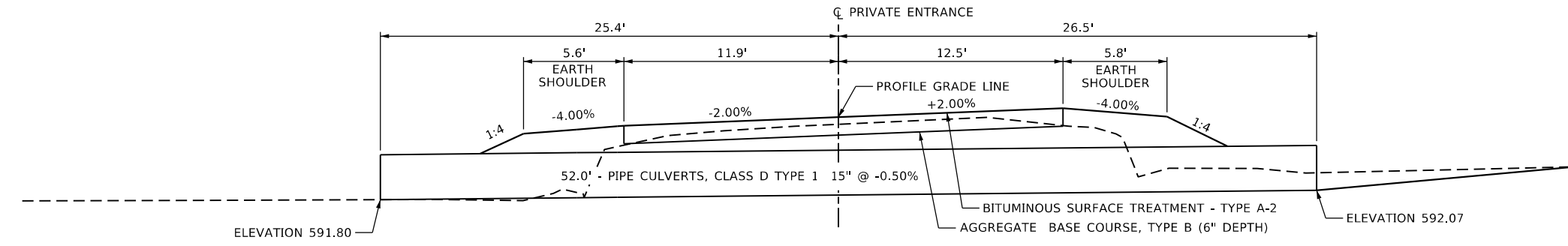
☒ PROPOSED PRIVATE ENTRANCE 01 - COORDINATE GEOMETRY								
POINT NAME	CURVE NAME	GRID COORDINATES		DELTA	RADIUS	TANGENT	LENGTH	EXTERNAL
		STATION	NORTHING					
ENT10		20+00.00	1,199,217.81	2,434,387.34				
ENT11		21+29.33	1,199,220.72	2,434,516.65				



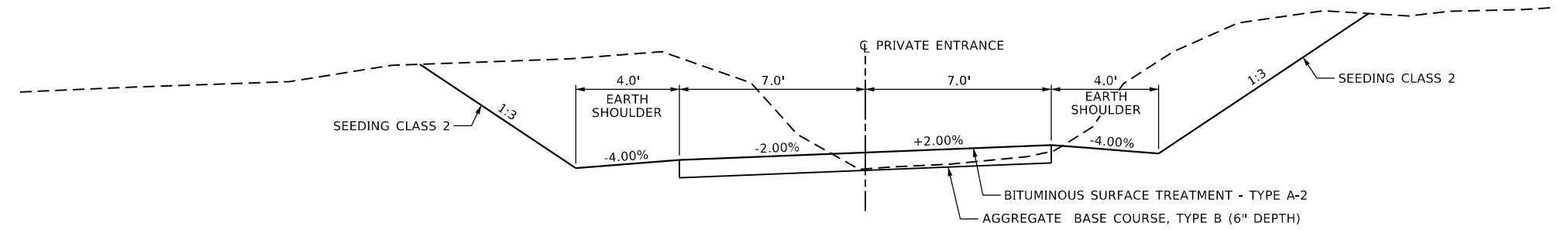
**PLAN VIEW**  
SCALE: 1" = 10'



**PROFILE VIEW**



**SECTION A-A**



**SECTION B-B**

MOE: 01 Detail Office Entrance 1  
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 PROJECT: 01645  
 DRAWN: whitlingme  
 CHECKED: whitlingme  
 DATE: 5/7/2020

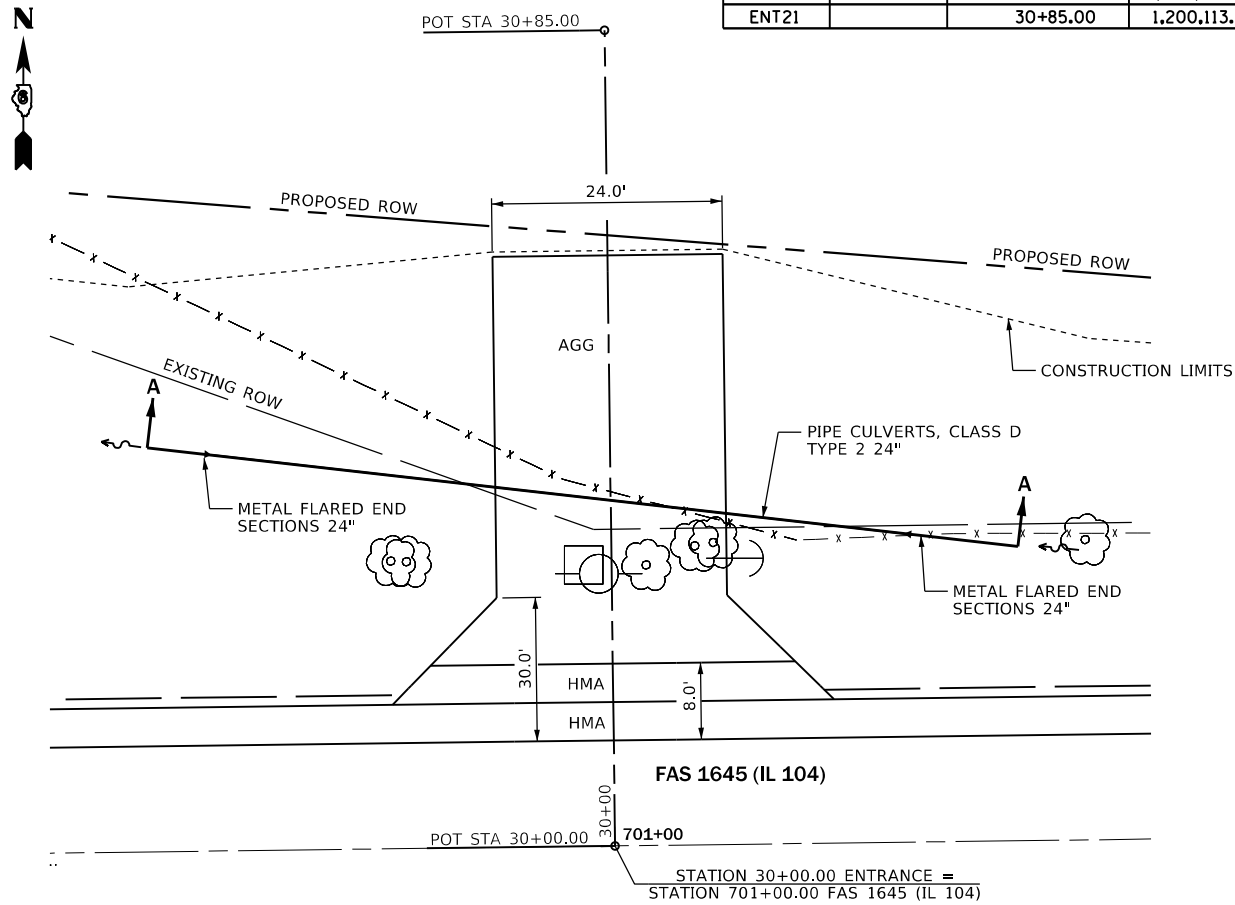
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PLOT DATE = 5/7/2020	DATE -	REVISD -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

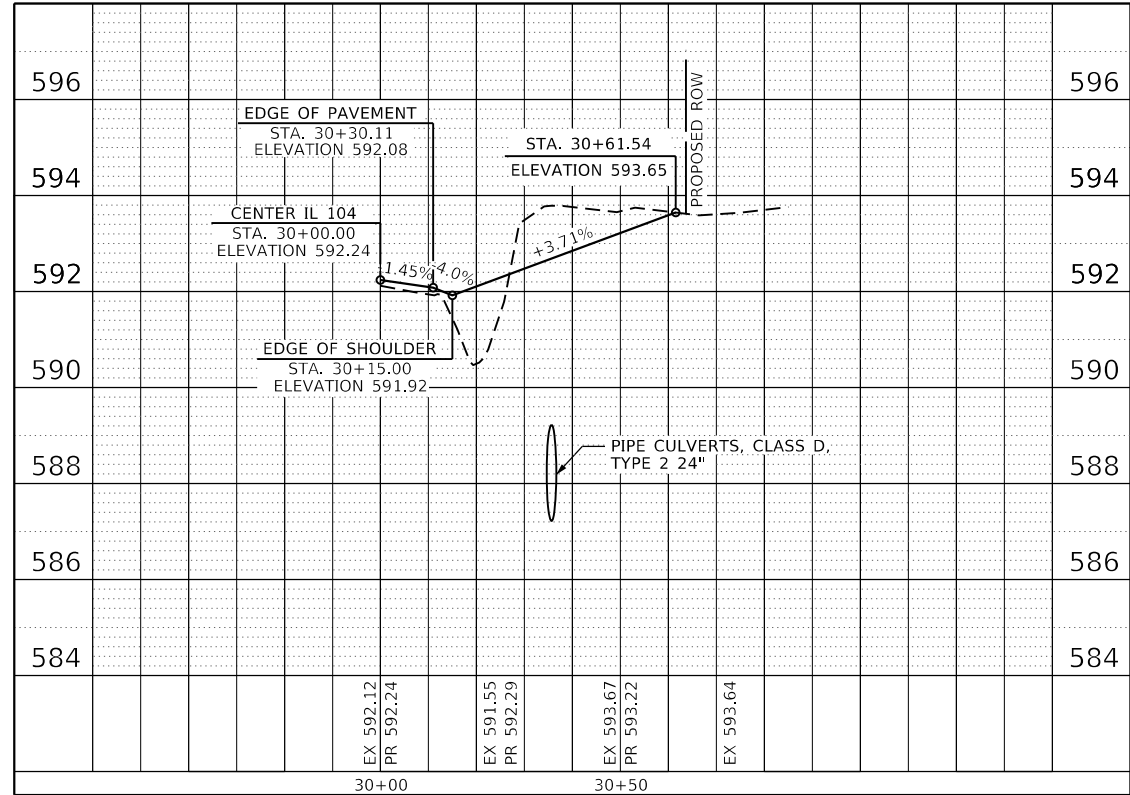
<b>PRIVATE ENTRANCE 01 DETAIL</b>				
SCALE:	SHEET	OF	SHEETS	STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	78
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

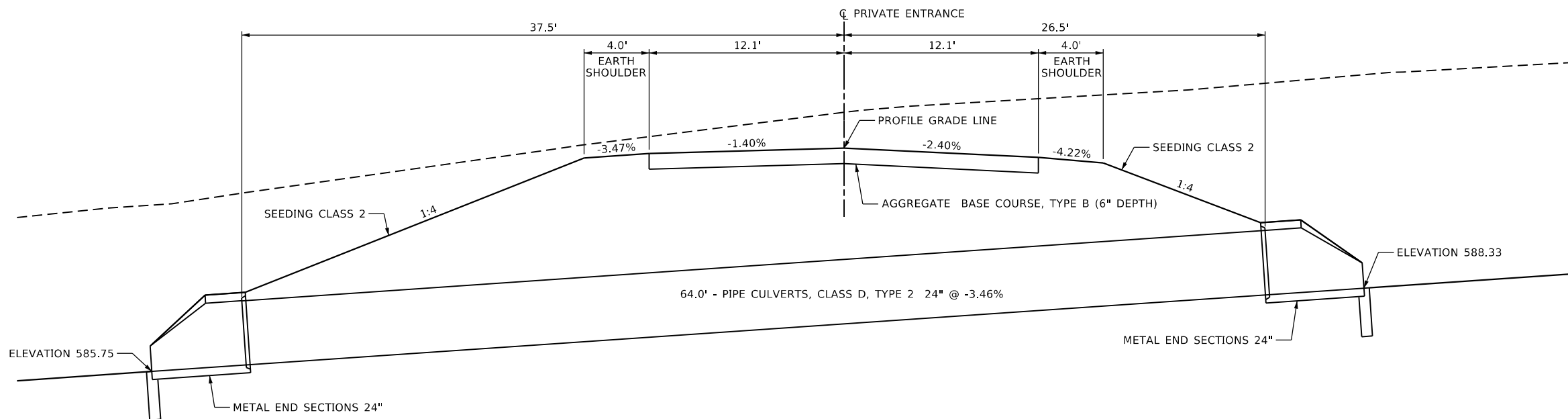
PROPOSED PRIVATE ENTRANCE 02 - COORDINATE GEOMETRY									
POINT NAME	CURVE NAME	GRID COORDINATES		EASTING	DELTA	RADIUS	TANGENT	LENGTH	EXTERNAL
		STATION	NORTHING						
ENT20		30+00.00	1,200,028.40	2,434,714.48					
ENT21		30+85.00	1,200,113.39	2,434,713.39					



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



**PROFILE VIEW**



**SECTION A-A**

MOORE, OJ Detail Office Entrance 2  
FILE NAME: P:\Information Systems\GIS\Projects\DOT\OfficeEntrance\DOT\OfficeEntrance.dwg  
PROJECT: 1645 (B) CR - Sangamon County, IL - FAS 1645 (IL 104) - Private Entrance 01

USER NAME = whitlingme	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 8/3/2020	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

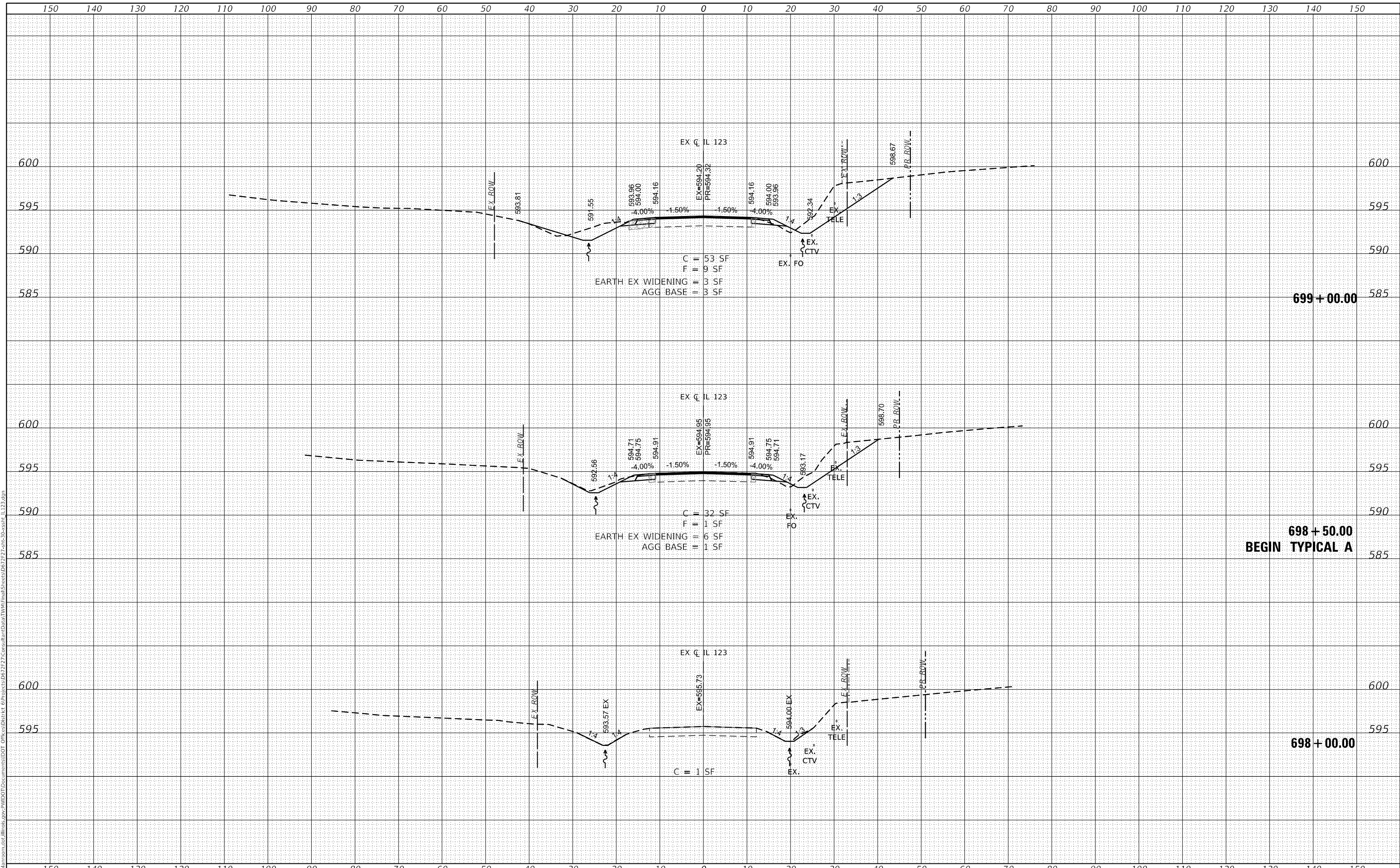
FIELD ENTRANCE 01 DETAIL				
SCALE:	SHEET	OF SHEETS	STA.	TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	79
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

DATE	
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PLOTTED	
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FINAL SURVEY	
NOTE BOOK	
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TEMPLATE	
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NOTE BOOK	
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PLOT DATE = 8/3/2020	DATE - APRIL 2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 IL ROUTE 123**

SCALE: 1"=10'    SHEET 1 OF 18 SHEETS    STA. 698+00.00 TO STA. 699+50.00

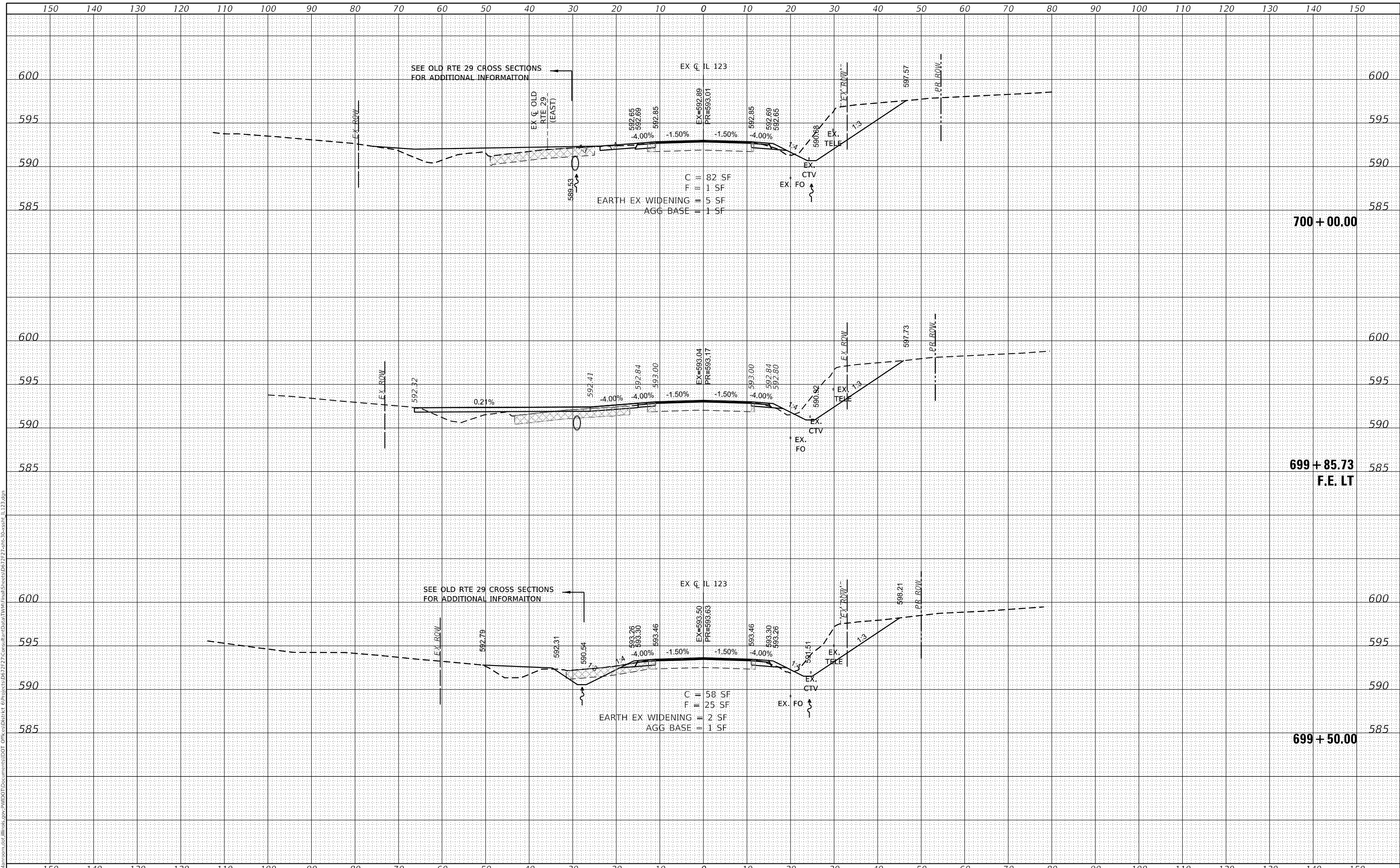
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1645	(B) CR	SANGAMON	119	80
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				



DATE	
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FINAL SURVEY	
NOTE BOOK	
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DESIGNED	- MLS/JWS
DRAWN	- MLS
CHECKED	- JWS
DATE	- APRIL 2019
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REVISED	-
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS  
 IL ROUTE 123

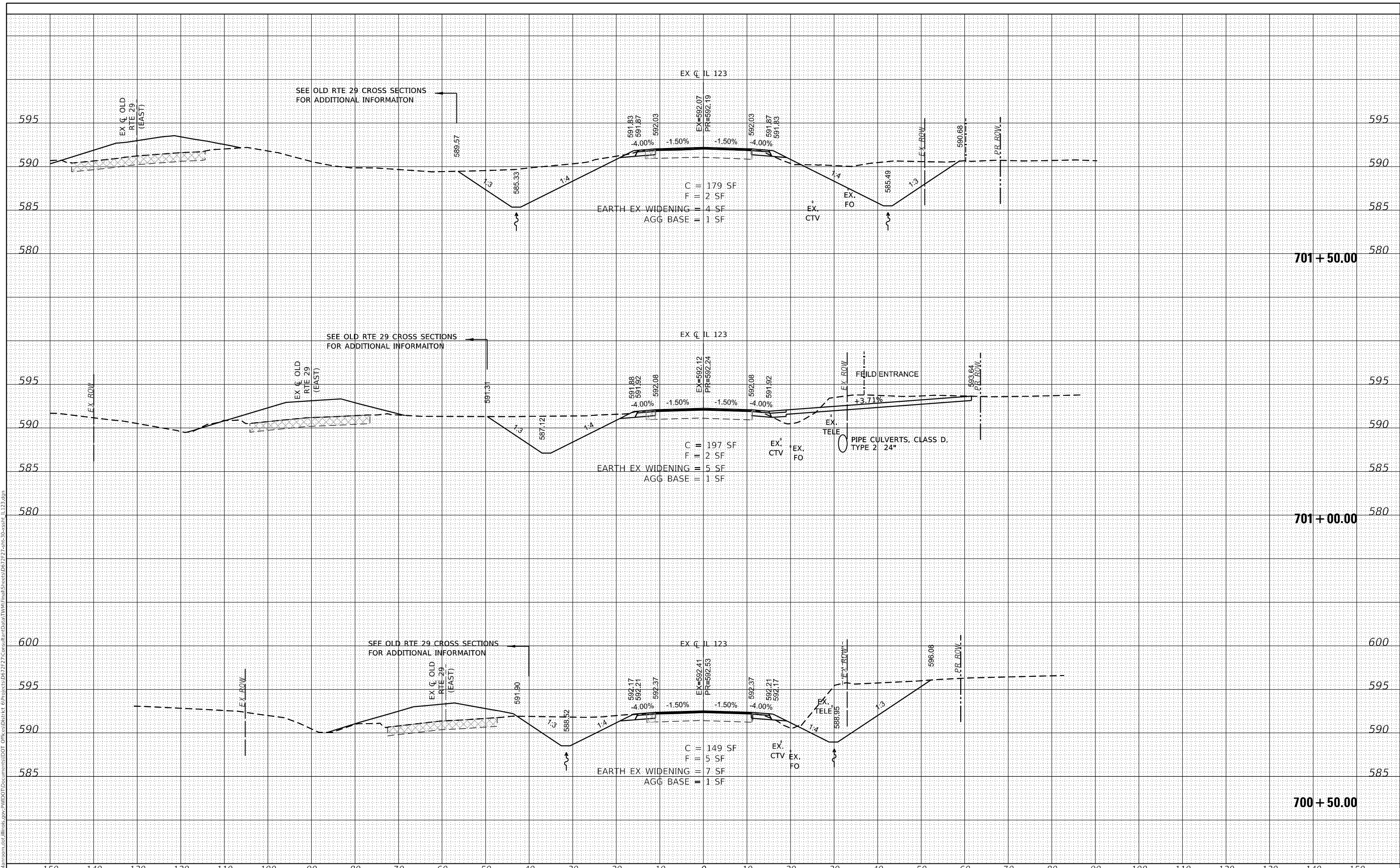
SCALE: 1"=10' SHEET 2 OF 18 SHEETS STA. 699+85.73 TO STA. 700+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	81
				CONTRACT NO. 72F27
				ILLINOIS FED. AID PROJECT

DATE	
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CHECKED	- JWS
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REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 IL ROUTE 123**

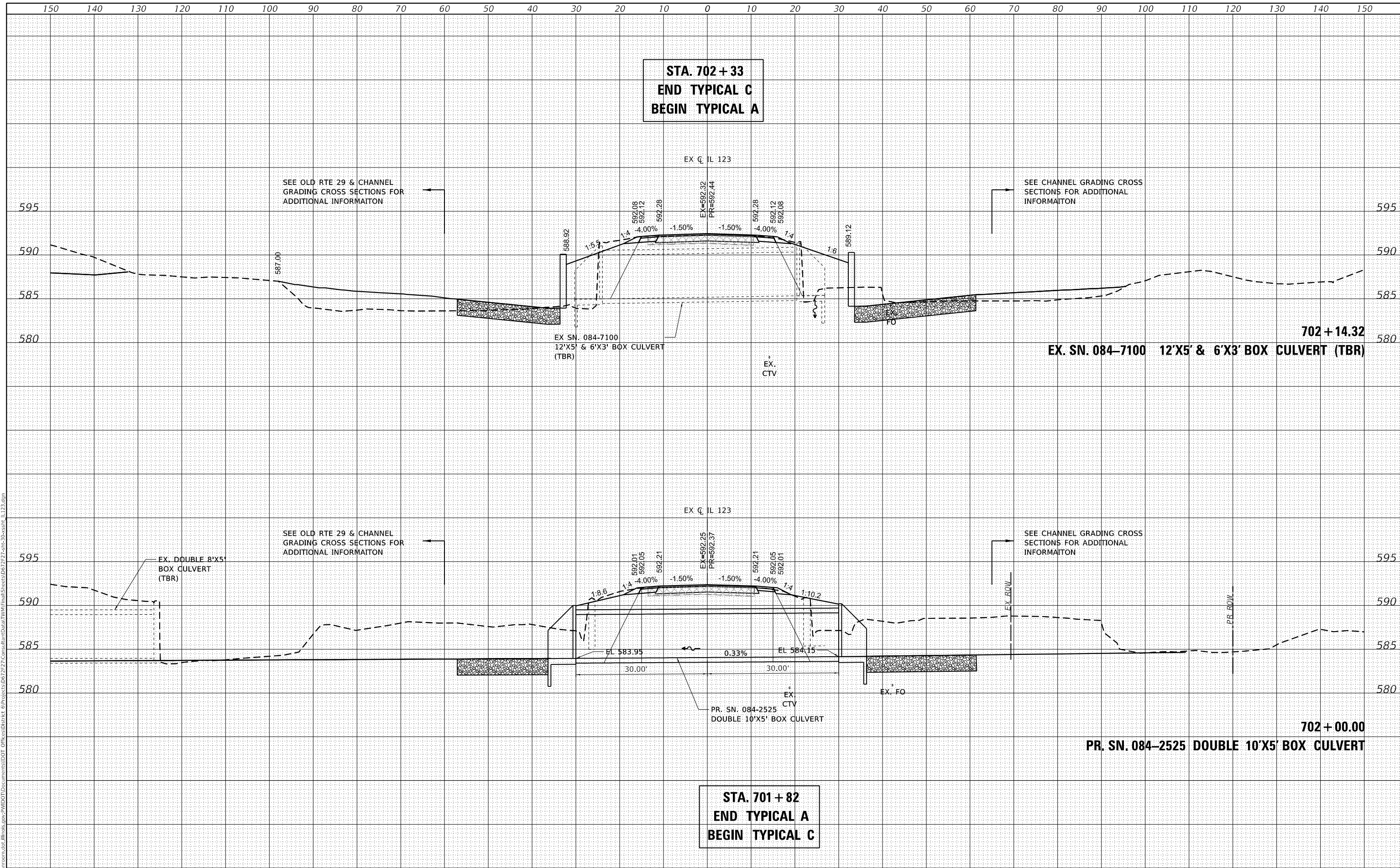
SCALE: 1"=10' SHEET 3 OF 18 SHEETS STA. 701+00.00 TO STA. 701+70.00

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1645	(B) CR	SANGAMON	119	82
			CONTRACT NO. 72F27	
		ILLINOIS	FED. AID PROJECT	

DATE	
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AREAS CHECKED	
FINAL SURVEY NOTE BOOK NO.	

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PLOT DATE = 8/3/2020	DATE - APRIL 2019	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

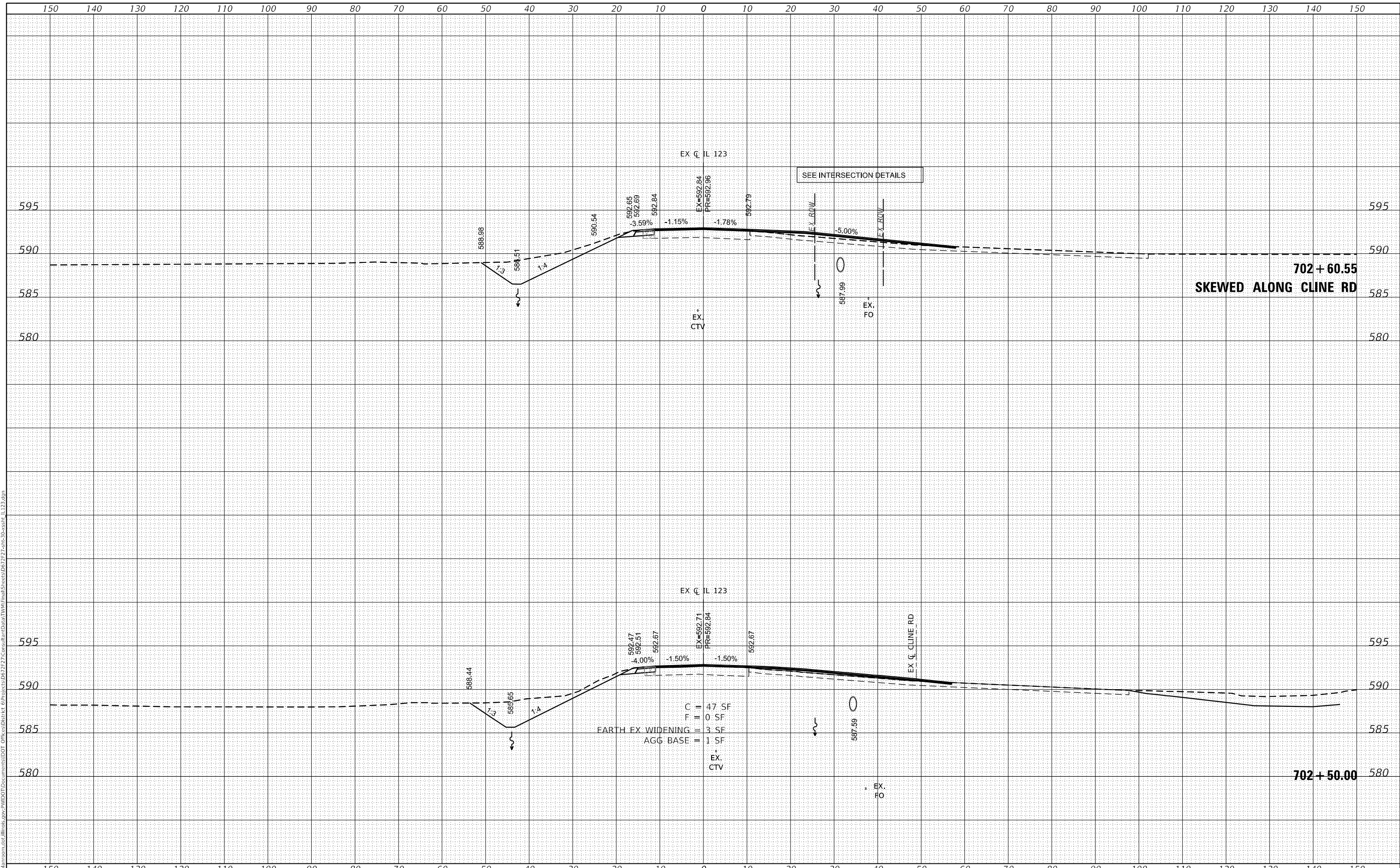
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<b>IL ROUTE 123</b>			
SCALE: 1"=10'	SHEET 4	OF 18 SHEETS	STA. 702+00.00 TO STA. 702+40.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	83
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED AREAS	DATE

ORIGINAL SURVEY NO.	SURVEYED AREAS	DATE

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PLOT DATE = 8/3/2020	DATE - APRIL 2019	REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

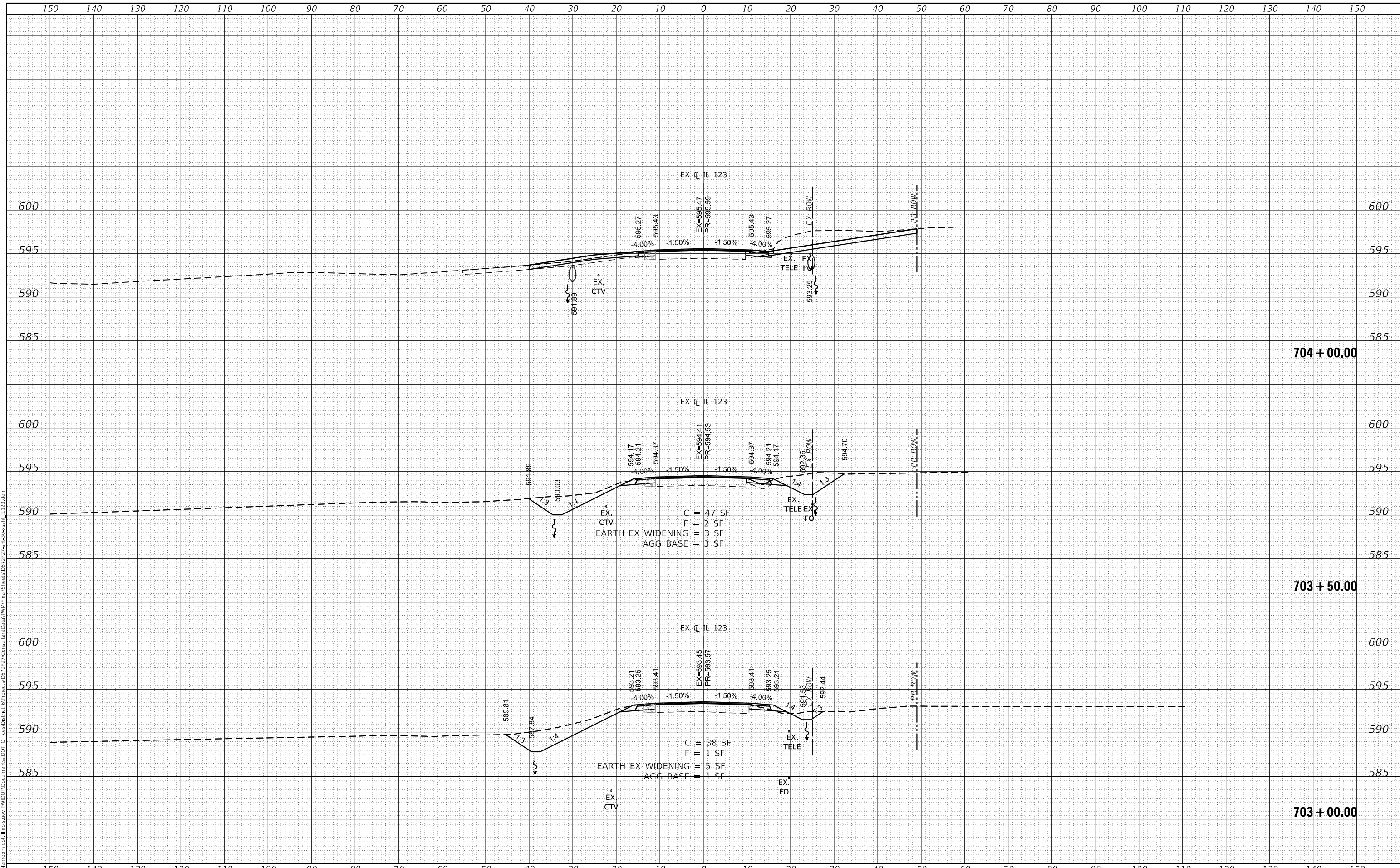
CROSS SECTIONS			
IL ROUTE 123			
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F.A.S. RTE. 1645	SECTION (B) CR	COUNTY SANGAMON	TOTAL SHEETS 119	SHEET NO. 84
			CONTRACT NO. 72F27	
ILLINOIS FED. AID PROJECT				

DATE	
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FINAL SURVEY	
NOTE BOOK	
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NOTE BOOK	
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 IL ROUTE 123**

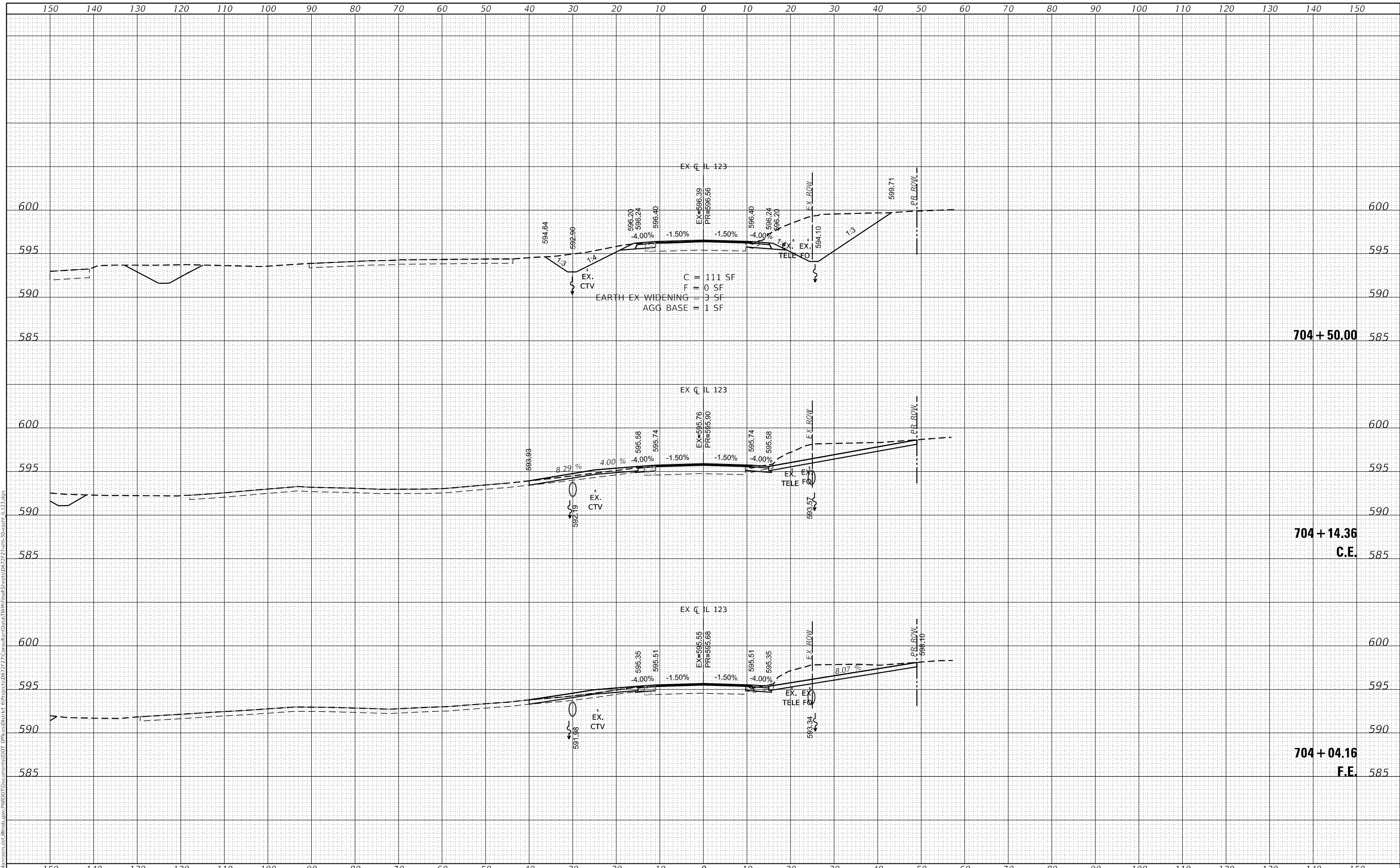
SCALE: 1"=10'    SHEET 6 OF 18 SHEETS    STA. 703+00.00 TO STA. 704+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	85
				CONTRACT NO. 72F27
		ILLINOIS	FED. AID PROJECT	

DATE	
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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PLOT DATE = 8/3/2020	DATE - APRIL 2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 IL ROUTE 123**

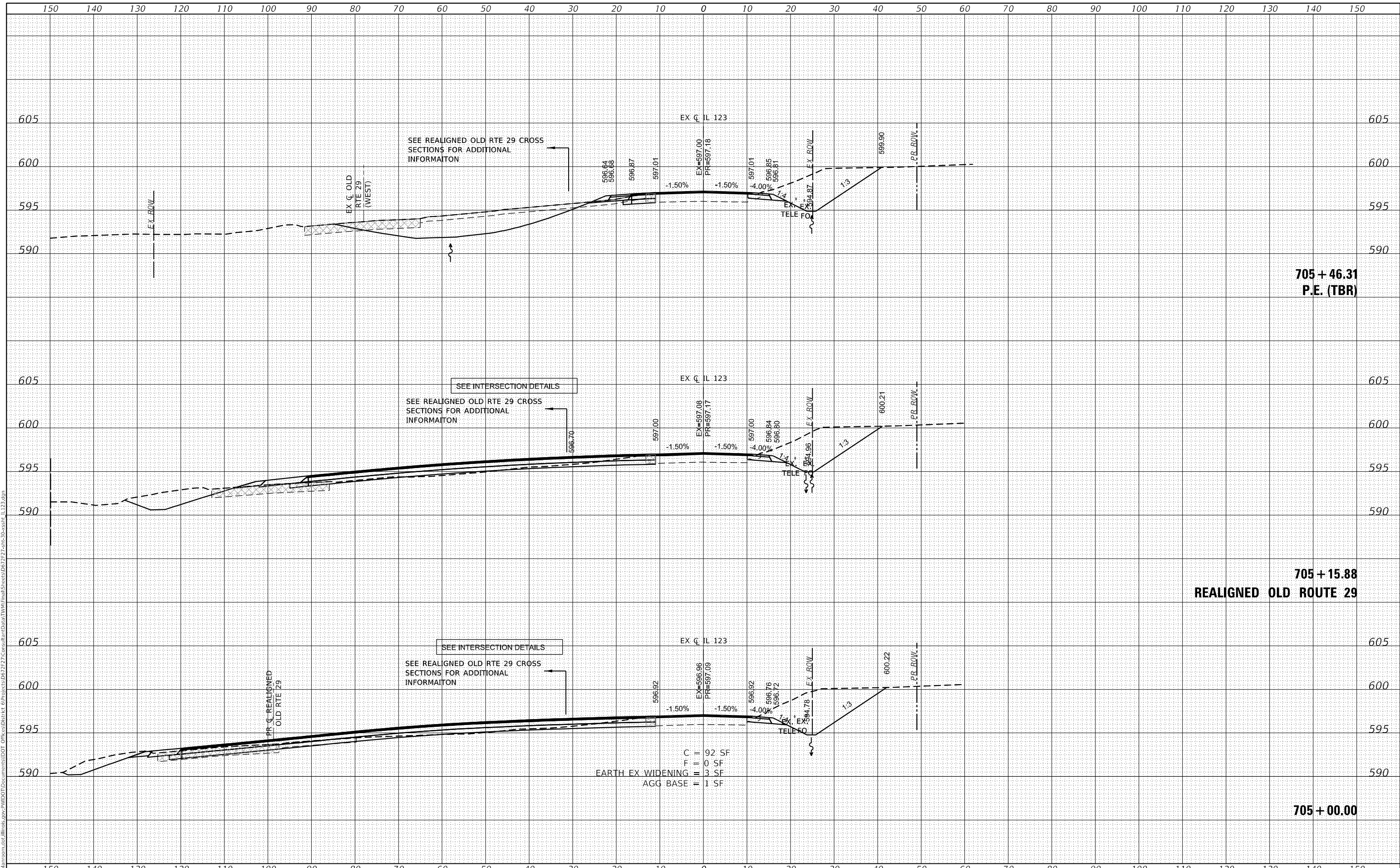
SCALE: 1"=10'    SHEET 7 OF 18 SHEETS    STA. 704+04.16 TO STA. 704+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	86
CONTRACT NO. 72F27				
ILLINOIS		FED. AID PROJECT		

DATE	
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**705 + 46.31  
P.E. (TBR)**

**705 + 15.88  
REALIGNED OLD ROUTE 29**

**705 + 00.00**



USER NAME = whitlingme	DESIGNED - MLS/JWS	REVISED -
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PLOT DATE = 8/3/2020	DATE - APRIL 2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
IL ROUTE 123**

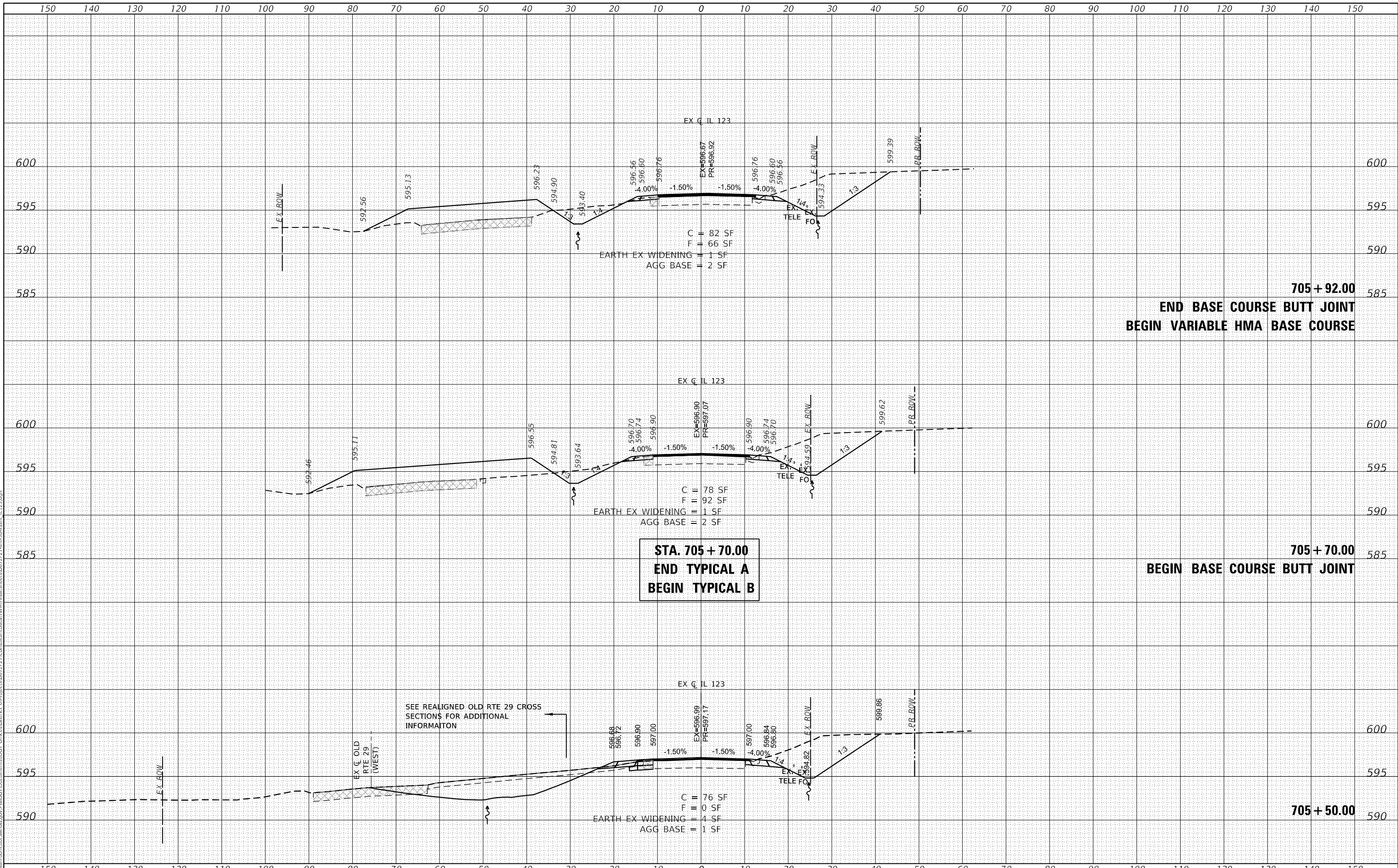
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	87
			CONTRACT NO. 72F27	
			ILLINOIS FED. AID PROJECT	

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TEMPLATE	
NOTE BOOK	
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**705 + 92.00**  
**END BASE COURSE BUTT JOINT**  
**BEGIN VARIABLE HMA BASE COURSE**

**705 + 70.00**  
**BEGIN BASE COURSE BUTT JOINT**

**STA. 705 + 70.00**  
**END TYPICAL A**  
**BEGIN TYPICAL B**

SEE REALIGNED OLD RTE 29 CROSS SECTIONS FOR ADDITIONAL INFORMATION



USER NAME = whitlingme	DESIGNED - MLS/JWS	REVISED -
	DRAWN - MLS	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - JWS	REVISED -
PLOT DATE = 8/3/2020	DATE - APRIL 2019	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**  
**IL ROUTE 123**

SCALE: 1"=10' SHEET 9 OF 18 SHEETS STA. 705+50.00 TO STA. 705+92.00

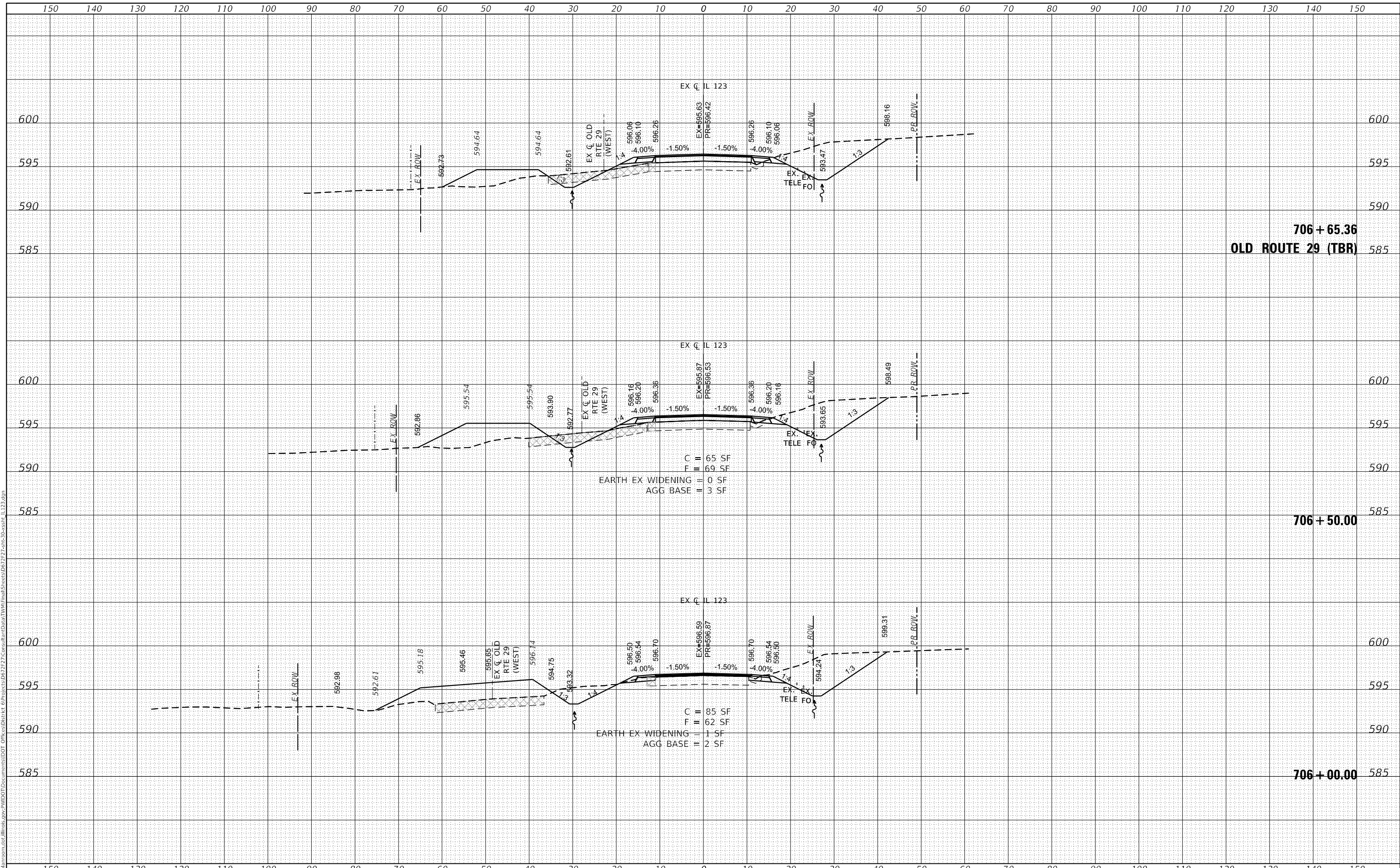
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1645	(B) CR	SANGAMON	119	88
			CONTRACT NO. 72F27	
		ILLINOIS FED. AID PROJECT		



DATE	
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NOTE BOOK	
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PLOT DATE = 8/3/2020	DATE - APRIL 2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 IL ROUTE 123**

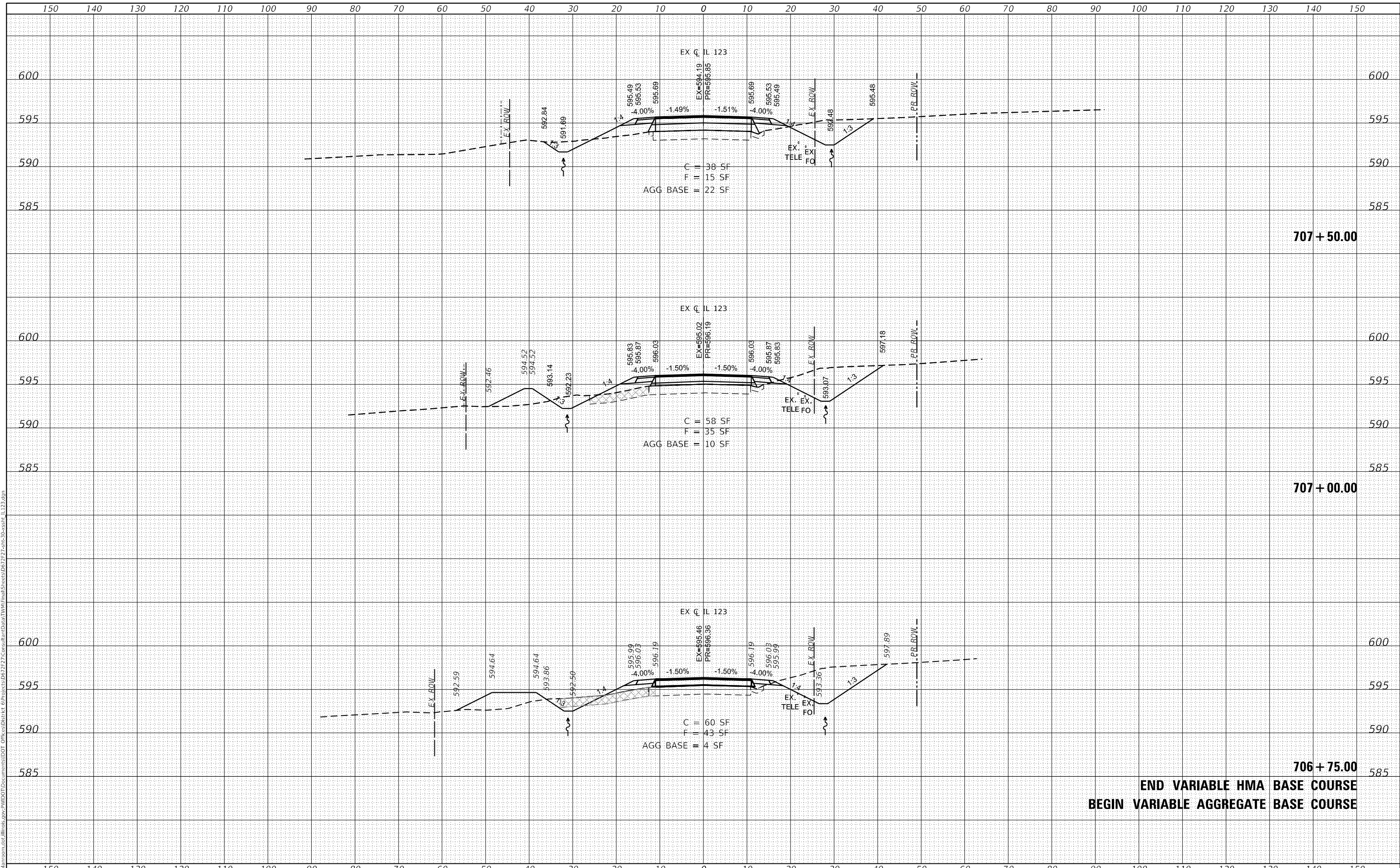
SCALE: 1"=10' SHEET 10 OF 18 SHEETS STA. 706+00.00 TO STA. 706+65.36

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	89
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY NO.	
SURVEYED PLOTTED AREAS CHECKED	
NOTE BOOK	
TEMPLATE	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY NO.	
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**END VARIABLE HMA BASE COURSE**  
**BEGIN VARIABLE AGGREGATE BASE COURSE**



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PLOT DATE = 8/3/2020	DATE - APRIL 2019	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**  
**IL ROUTE 123**

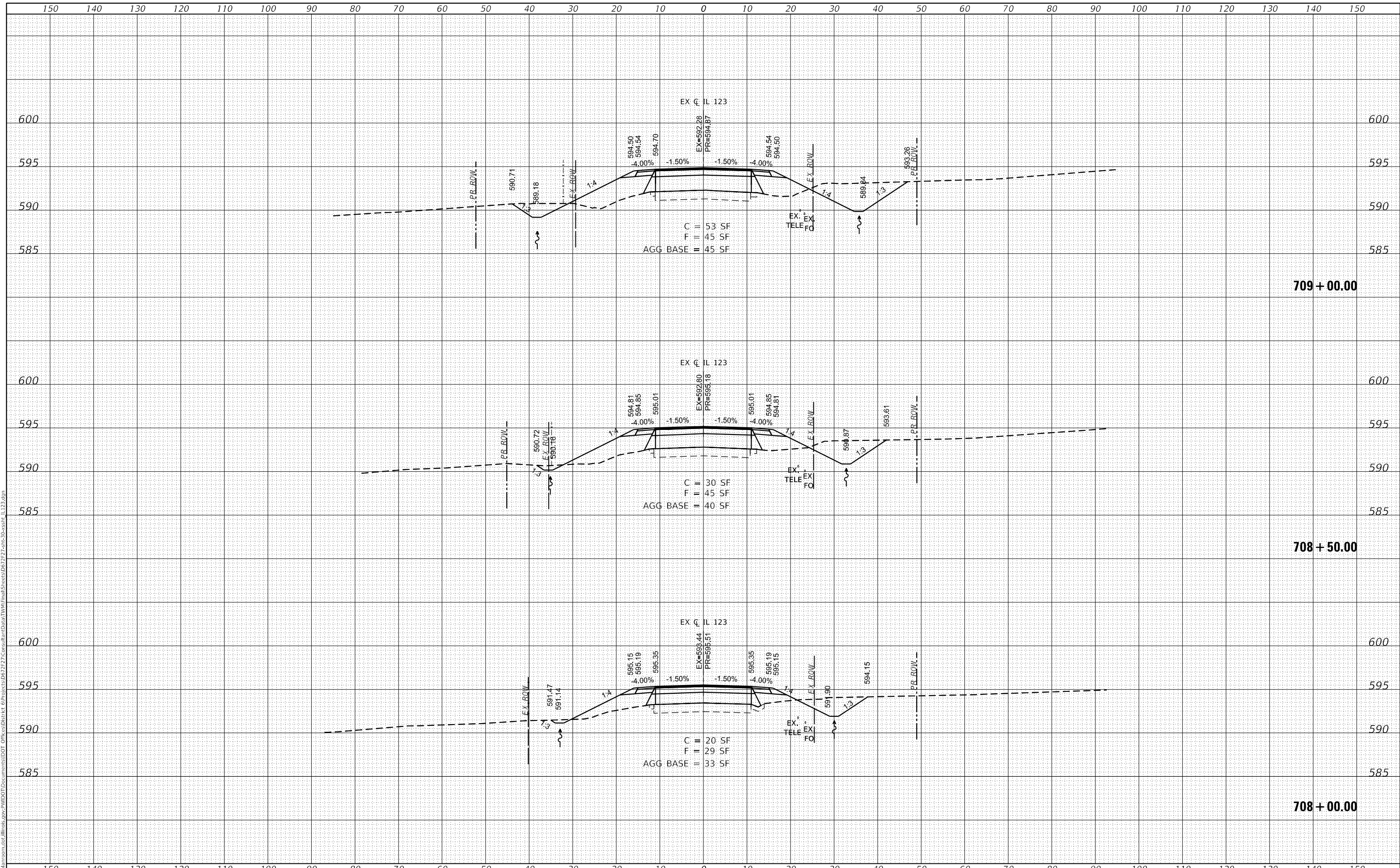
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	90
				CONTRACT NO. 72F27
		ILLINOIS	FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

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	DRAWN - MLS	REVISED -
PLOT SCALE = 20.0000 ' / in.	CHECKED - JWS	REVISED -
PLOT DATE = 8/3/2020	DATE - APRIL 2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

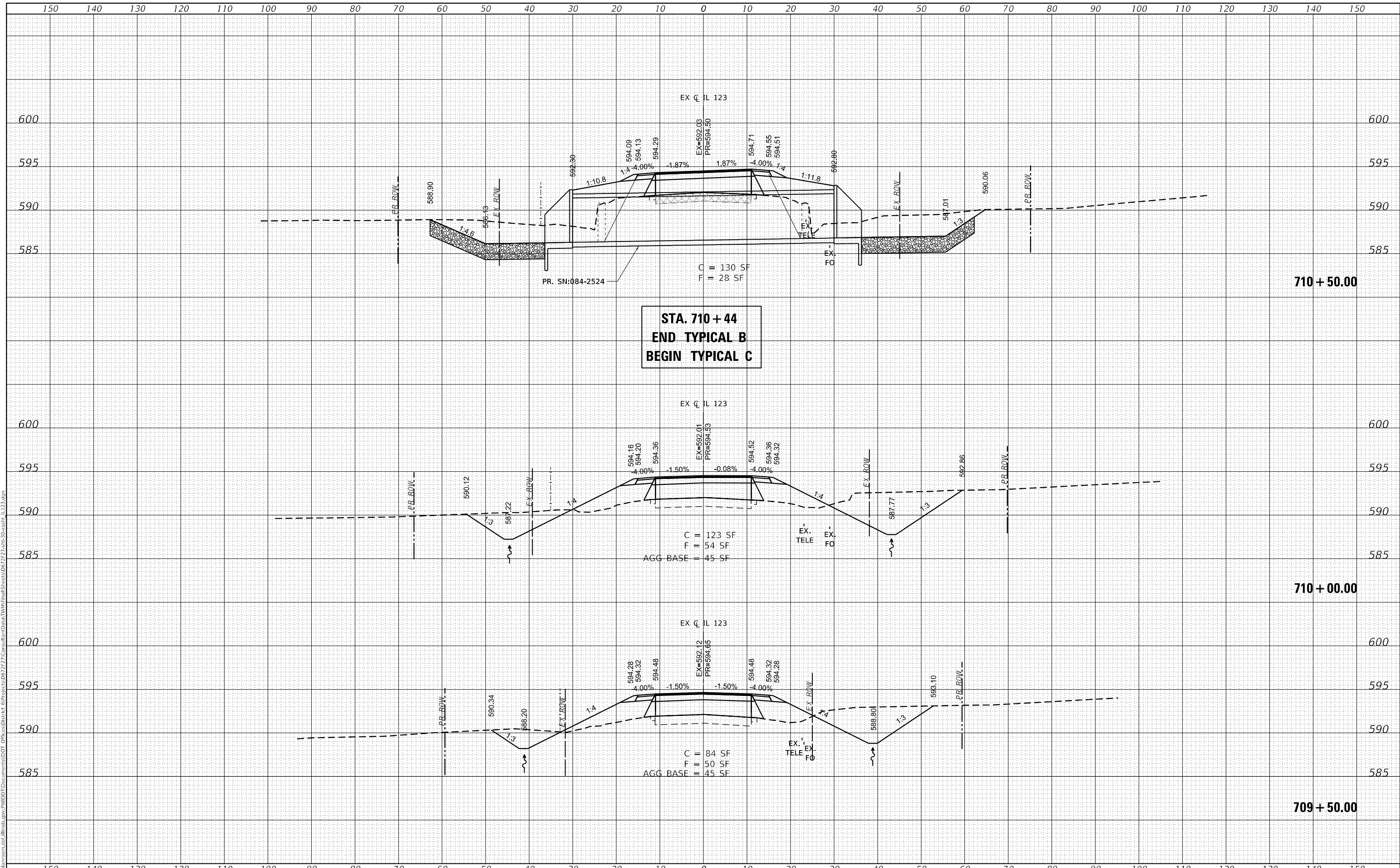
<b>CROSS SECTIONS IL ROUTE 123</b>	
SCALE: 1"=10'	SHEET 12 OF 18 SHEETS
STA. 708+00.00	TO STA. 709+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	91
				CONTRACT NO. 72F27
				ILLINOIS FED. AID PROJECT

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
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DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
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 PROJECT: 067227\Consultant\Bates\TWM\Final\Sheets\067227\2-sh-30-ss11-L123.dgn



**STA. 710+44  
 END TYPICAL B  
 BEGIN TYPICAL C**



USER NAME	= whitlingme
DESIGNED	- MLS/JWS
DRAWN	- MLS
CHECKED	- JWS
DATE	- APRIL 2019

REVISD	-
REVISD	-
REVISD	-
REVISD	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 IL ROUTE 123**

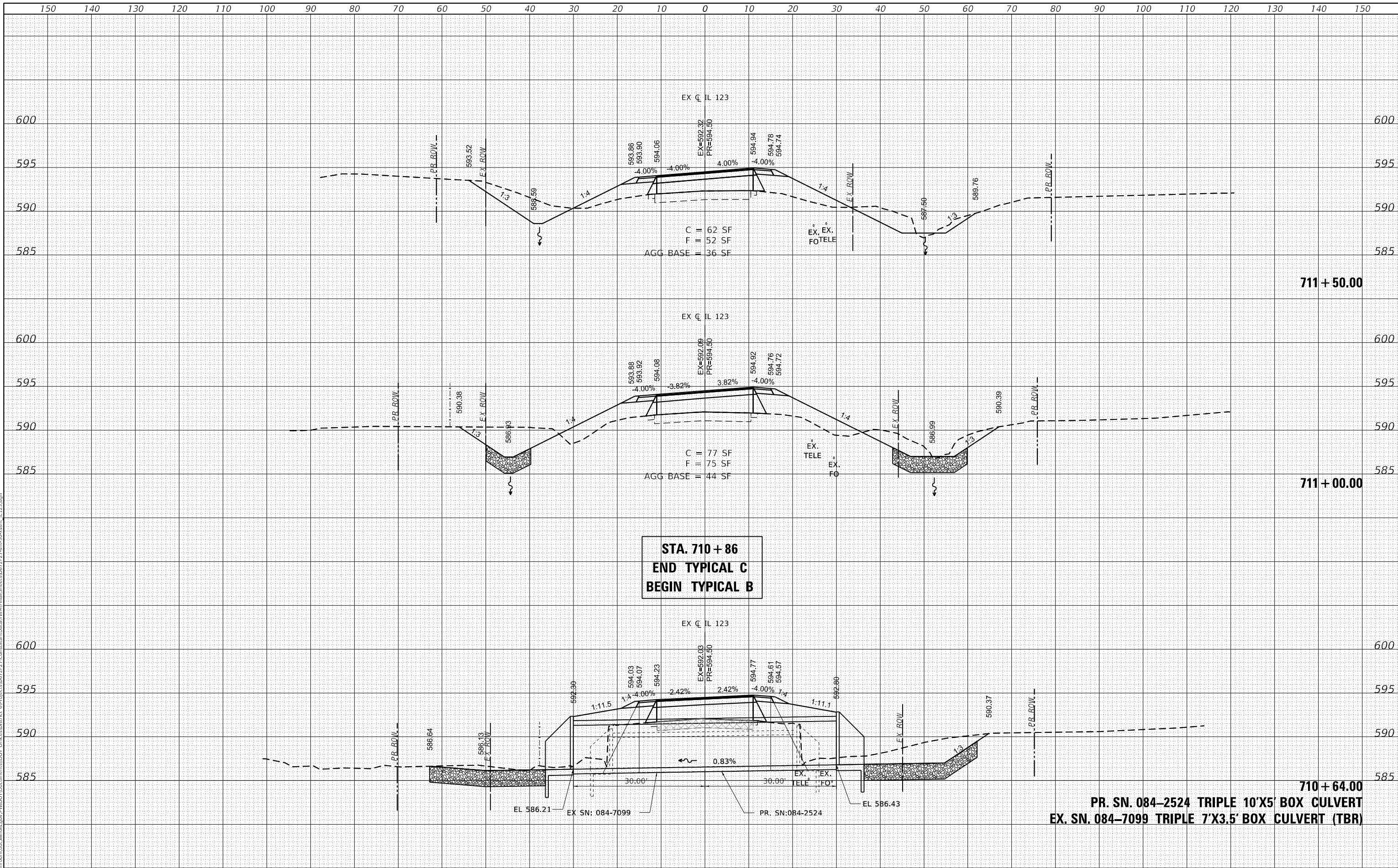
SCALE: 1"=10' SHEET 13 OF 18 SHEETS STA. 709+50.00 TO STA. 710+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	92
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED

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FILE NAME: p:\work\m30\m30.dwg  
PROJECT: 067227\Consultant\Bates\TWM\Final\Sheets\067227\2-sh-30-ss11-IL123.dgn



**STA. 710 + 86  
END TYPICAL C  
BEGIN TYPICAL B**

**710 + 64.00  
PR. SN. 084-2524 TRIPLE 10'X5' BOX CULVERT  
EX. SN. 084-7099 TRIPLE 7'X3.5' BOX CULVERT (TBR)**



USER NAME = whitlingme	DESIGNED - MLS/JWS	REVISD -
PLOT SCALE = 20.0000' / in.	DRAWN - MLS	REVISD -
PLOT DATE = 8/3/2020	CHECKED - JWS	REVISD -
	DATE - APRIL 2019	REVISD -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
IL ROUTE 123**

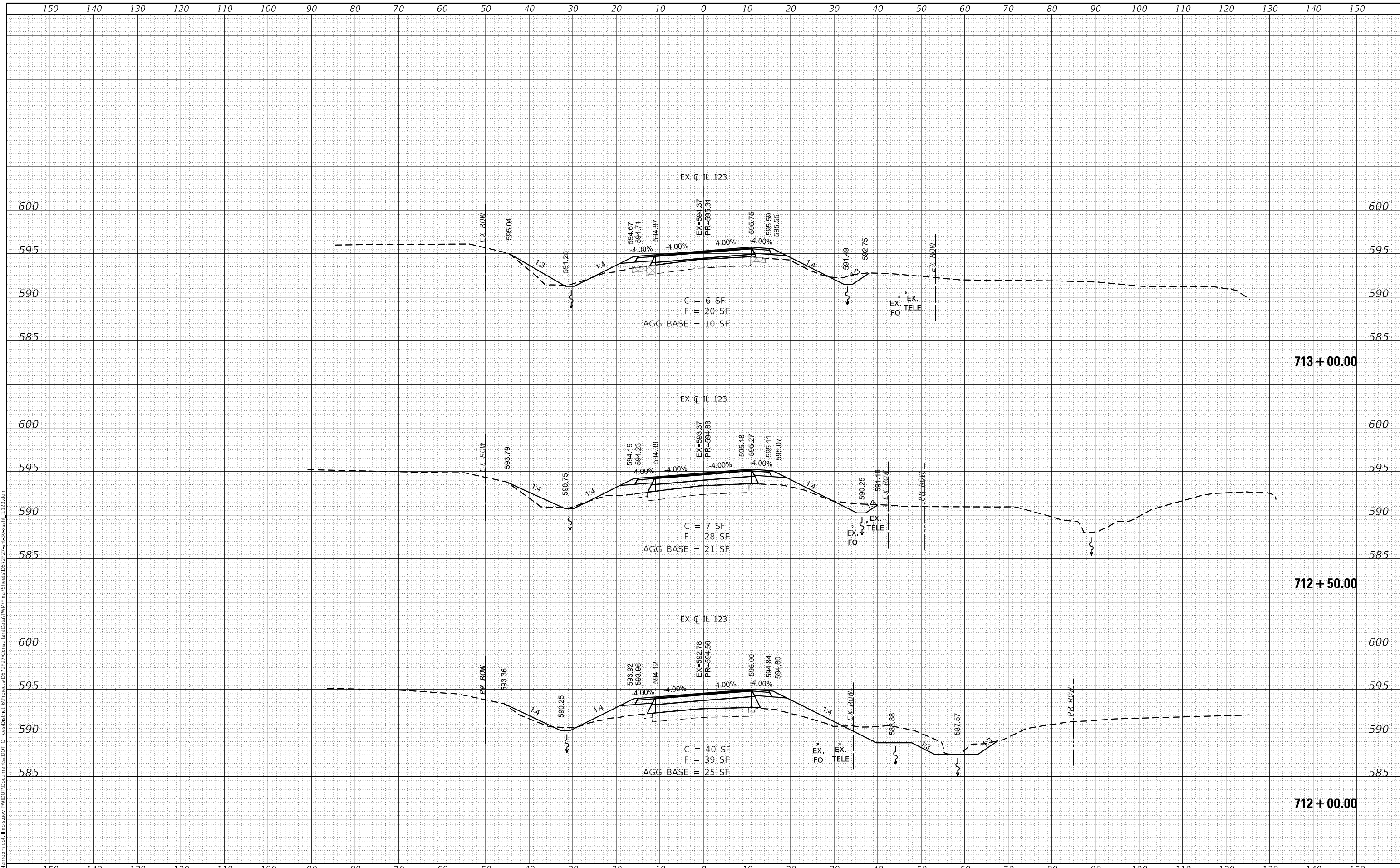
SCALE: 1"=10' SHEET 14 OF 18 SHEETS STA. 710+64.00 TO STA. 711+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	93
				CONTRACT NO. 72F27
ILLINOIS FED. AID PROJECT				

DATE	
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TEMPLATE	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
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DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

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USER NAME = whitlingme	DESIGNED - MLS/JWS	REVISED -
PLOT SCALE = 20.0000 ' / in.	DRAWN - MLS	REVISED -
PLOT DATE = 8/3/2020	CHECKED - JWS	REVISED -
	DATE - APRIL 2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 IL ROUTE 123**

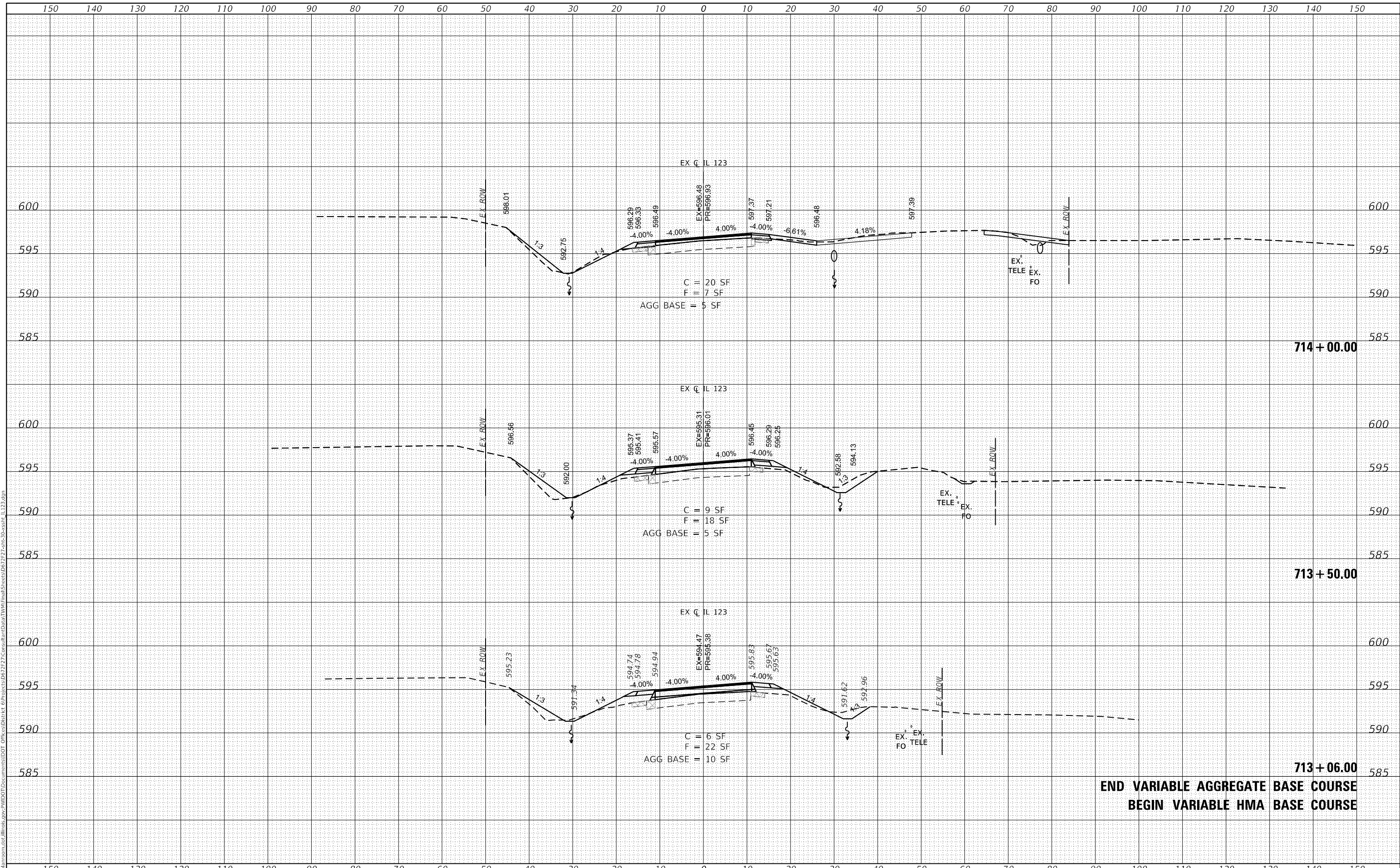
SCALE: 1"=10'    SHEET 15 OF 18 SHEETS    STA. 712+00.00 TO STA. 713+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	94
			CONTRACT NO. 72F27	
		ILLINOIS FED. AID PROJECT		

DATE	
BY	
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PLOTTED	
TEMPLATE	
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FINAL SURVEY	
NOTE BOOK	
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DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
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ORIGINAL SURVEY	
NOTE BOOK	
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**END VARIABLE AGGREGATE BASE COURSE  
 BEGIN VARIABLE HMA BASE COURSE**



USER NAME = whitlingme	DESIGNED - MLS/JWS	REVISED -
	DRAWN - MLS	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JWS	REVISED -
PLOT DATE = 8/3/2020	DATE - APRIL 2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 IL ROUTE 123**

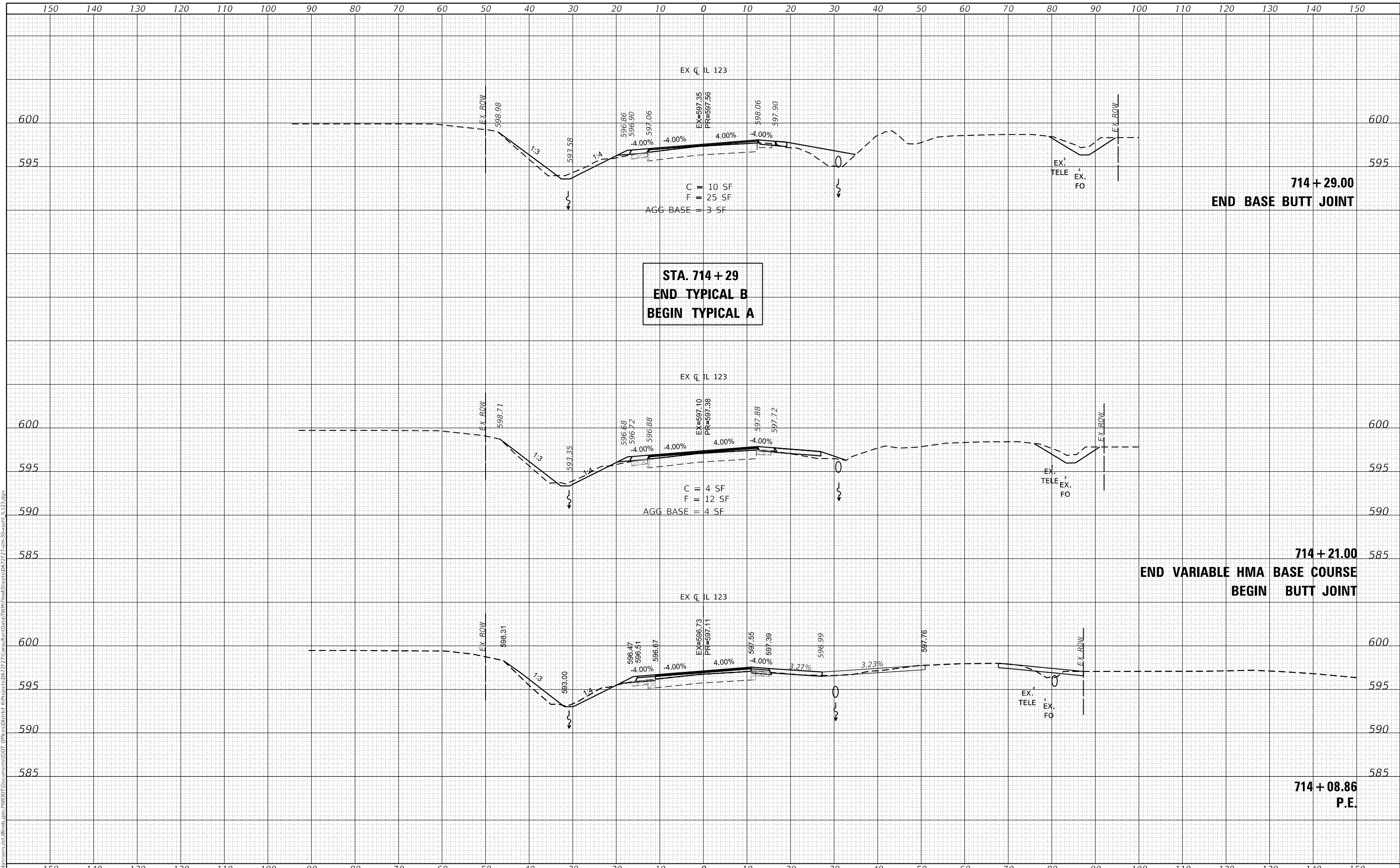
SCALE: 1"=10' SHEET 16 OF 18 SHEETS STA. 713+10.00 TO STA. 714+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	95
				CONTRACT NO. 72F27
				ILLINOIS FED. AID PROJECT

DATE	
BY	
FINAL SURVEY NO.	
SURVEYED PLOTTED	
TEMPLATE AREAS CHECKED	
NOTE BOOK NO.	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED PLOTTED	
TEMPLATE AREAS CHECKED	
NOTE BOOK NO.	
AREAS CHECKED	

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USER NAME = whitlingme	DESIGNED - MLS/JWS	REvised -
	DRAWN - MLS	REvised -
PLOT SCALE = 20.0000 ' / in.	CHECKED - JWS	REvised -
PLOT DATE = 8/3/2020	DATE - APRIL 2019	REvised -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS IL ROUTE 123			
SCALE: 1"=10'	SHEET 17 OF 18 SHEETS	STA. 714+08.86	TO STA. 714+29.00

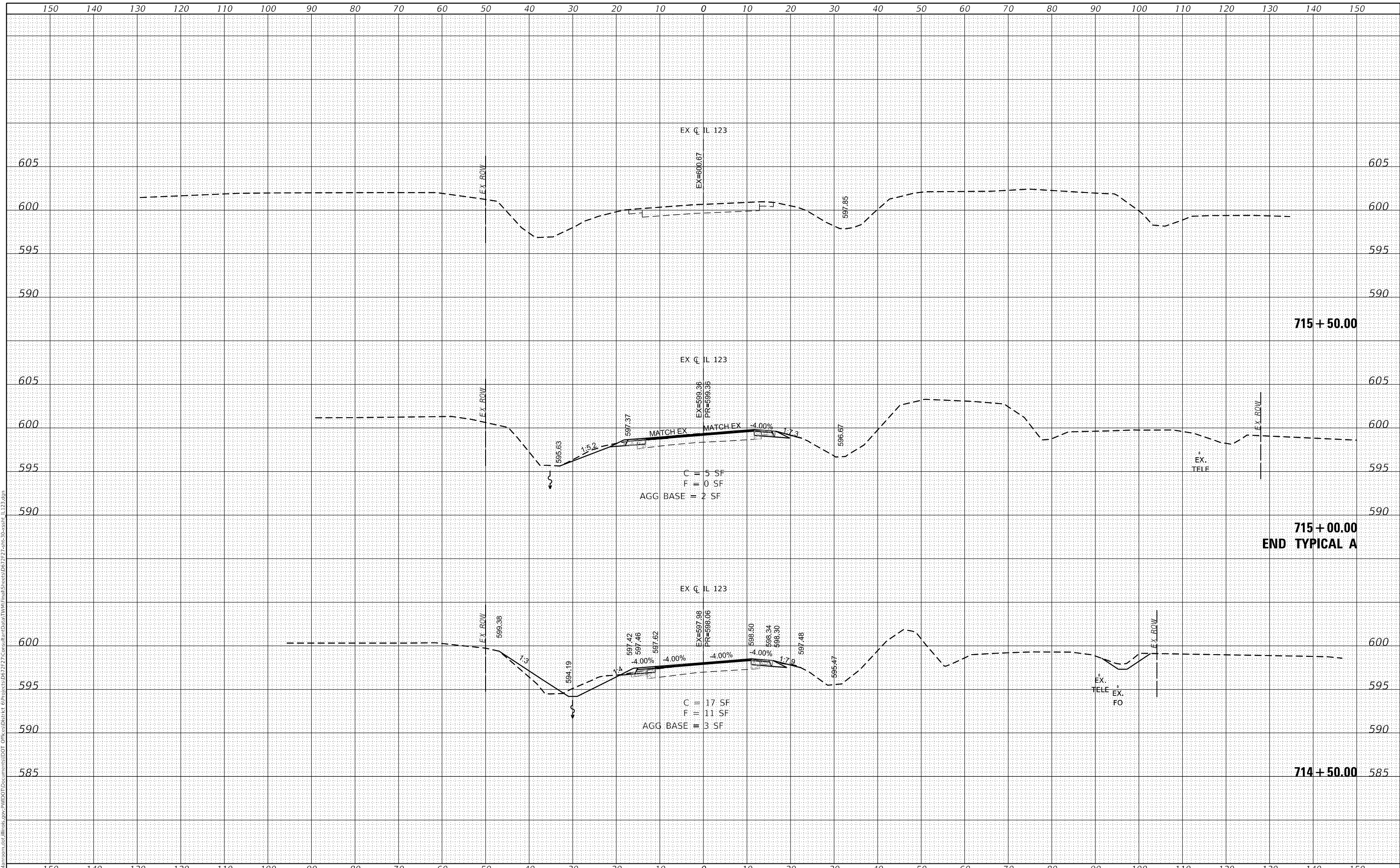
F.A.S. RTE. 1645	SECTION (B) CR	COUNTY SANGAMON	TOTAL SHEETS 119	SHEET NO. 96
CONTRACT NO. 72F27			ILLINOIS FED. AID PROJECT	



DATE	
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FINAL SURVEY	
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NOTE BOOK	
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USER NAME = whitlingme  
 DESIGNED - MLS/JWS  
 DRAWN - MLS  
 CHECKED - JWS  
 DATE - APRIL 2019  
 PLOT SCALE = 20.0000 ' / in.  
 PLOT DATE = 8/3/2020

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 REVISIED -  
 REVISIED -  
 REVISIED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 IL ROUTE 123**

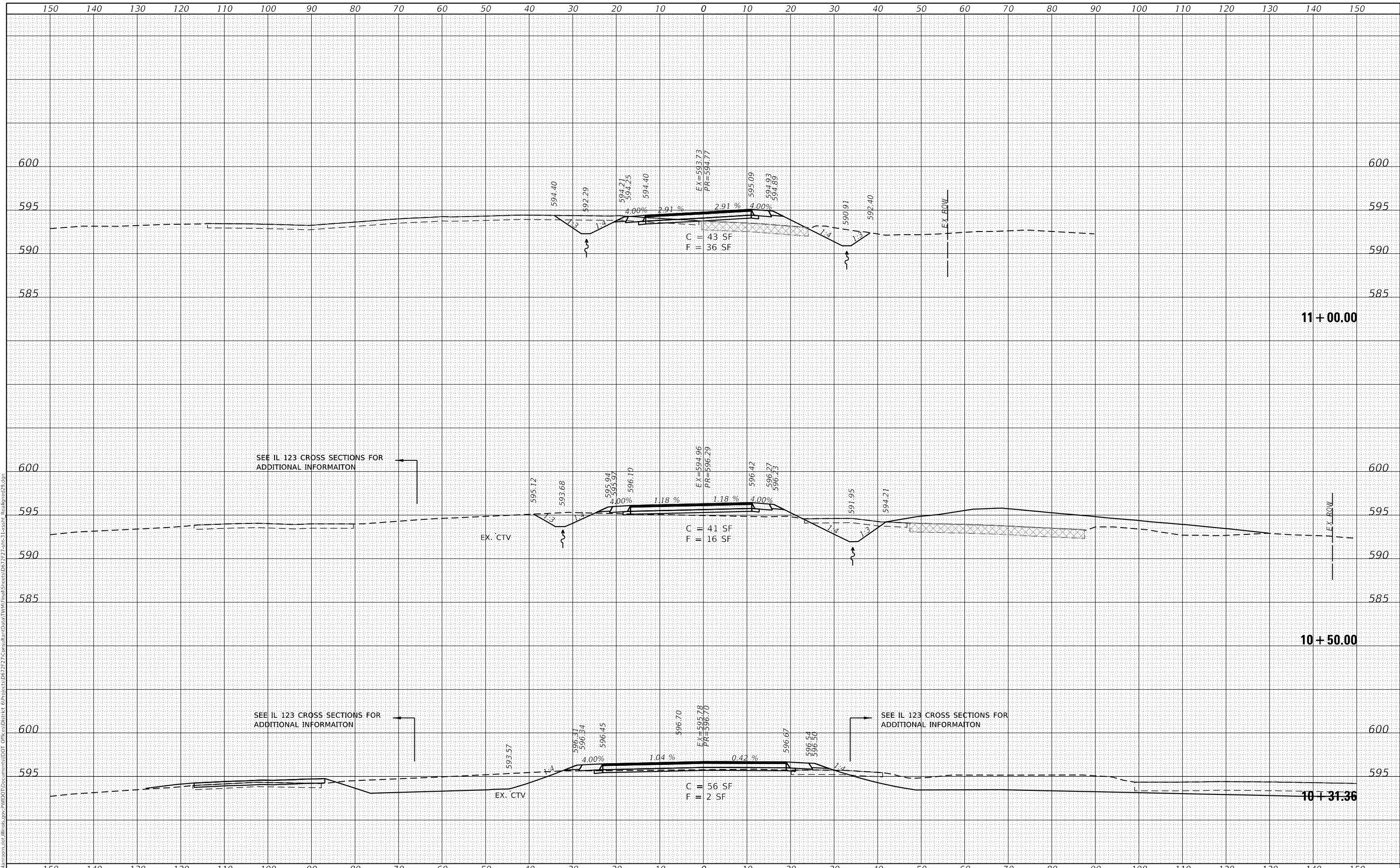
SCALE: 1"=10' SHEET 18 OF 18 SHEETS STA. 714+50.00 TO STA. 715+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	97
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

DATE	
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SURVEYED	
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FINAL SURVEY	
NOTE BOOK	
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AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
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USER NAME	= whitlingme
DESIGNED	- MLS/JWS
DRAWN	- MLS
CHECKED	- JWS
DATE	- APRIL 2019
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DATE	-
REVISIONS	
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REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS</b>			
<b>REALIGNED OLD ROUTE 29 / OLD RTE 29 (WEST LEG)</b>			
SCALE:	1"=10'	SHEET 1 OF 5 SHEETS	STA. 10+31.36 TO STA. 11+00.00

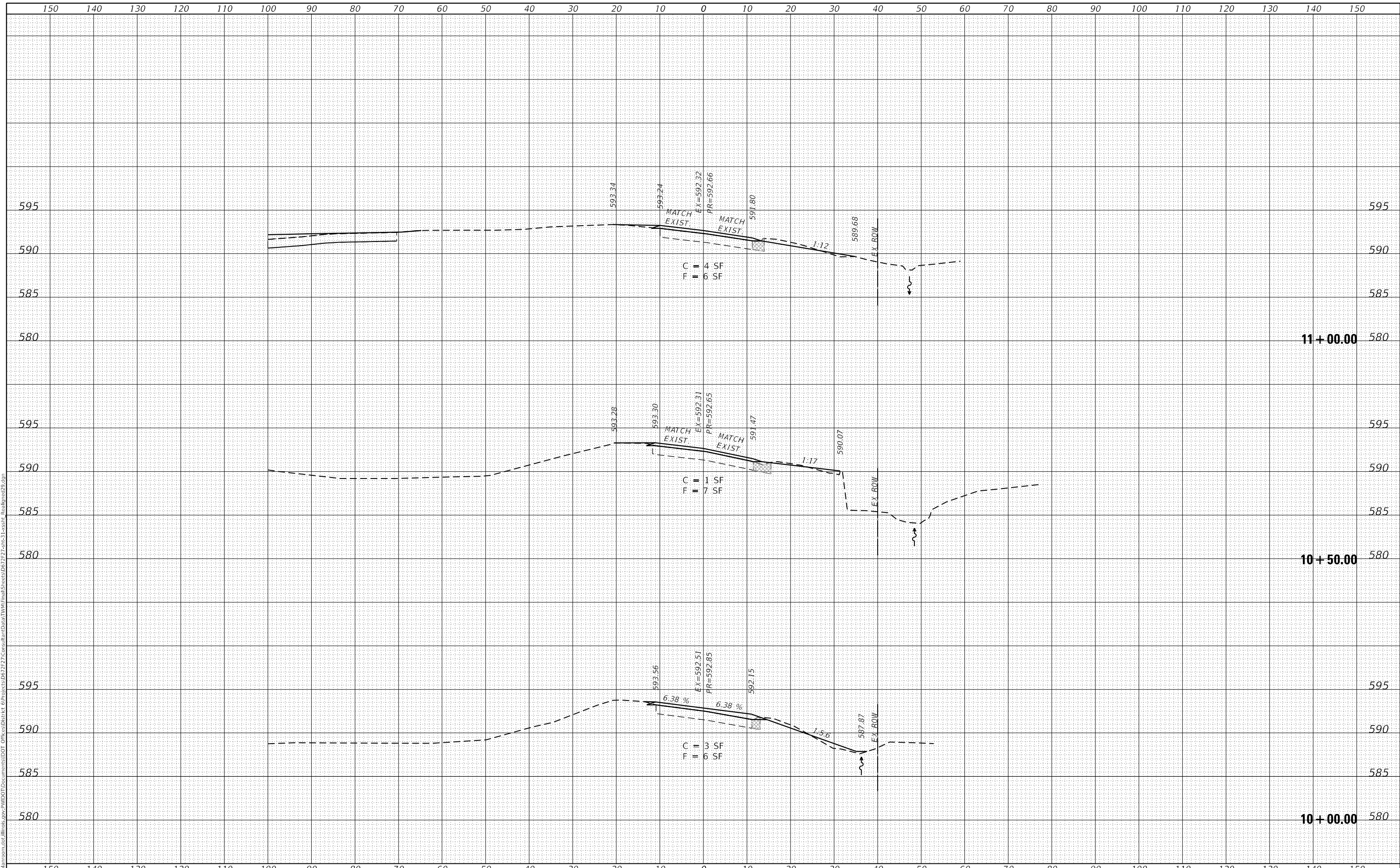
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	98
				CONTRACT NO. 72F27
				ILLINOIS FED. AID PROJECT



DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

DATE	
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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USER NAME = whitlingme  
DESIGNED - MLS/JWS  
DRAWN - MLS  
PLOT SCALE = 20.0000 ' / in.  
PLOT DATE = 8/3/2020

DESIGNED - MLS/JWS  
DRAWN - MLS  
CHECKED - JWS  
DATE - APRIL 2019

REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
REALIGNED OLD ROUTE 29 / OLD RTE 29 (WEST LEG)**

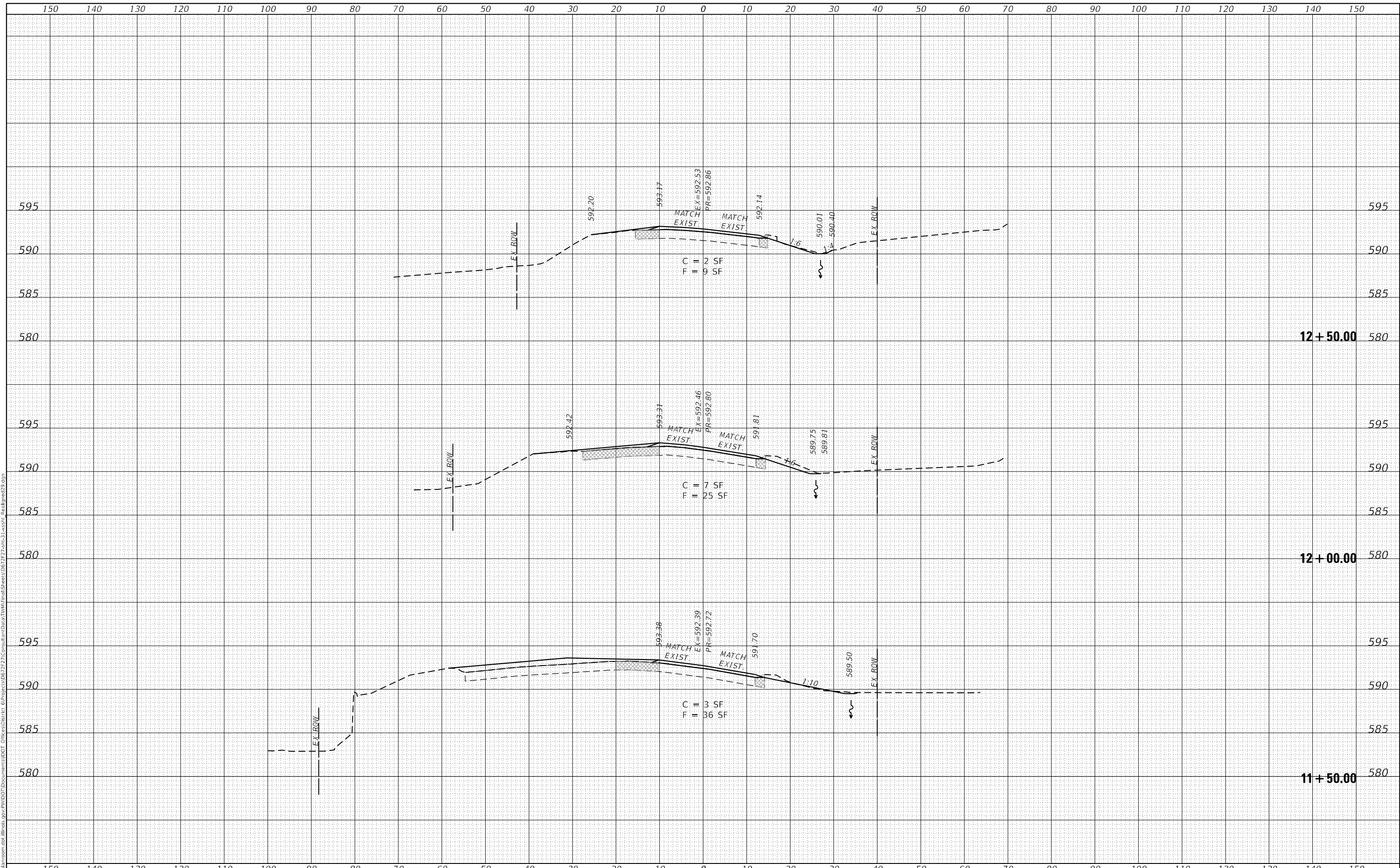
SCALE: 1"=10' SHEET 3 OF 5 SHEETS STA. 10+00.00 TO STA. 11+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	100
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINAL SURVEY NO.	
SURVEYED PLOTTED AREAS CHECKED	
NOTE BOOK	
TEMPLATE	
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DATE	
BY	
ORIGINAL SURVEY NO.	
SURVEYED PLOTTED AREAS CHECKED	
NOTE BOOK	
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PLOT DATE = 8/3/2020	DATE - APRIL 2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

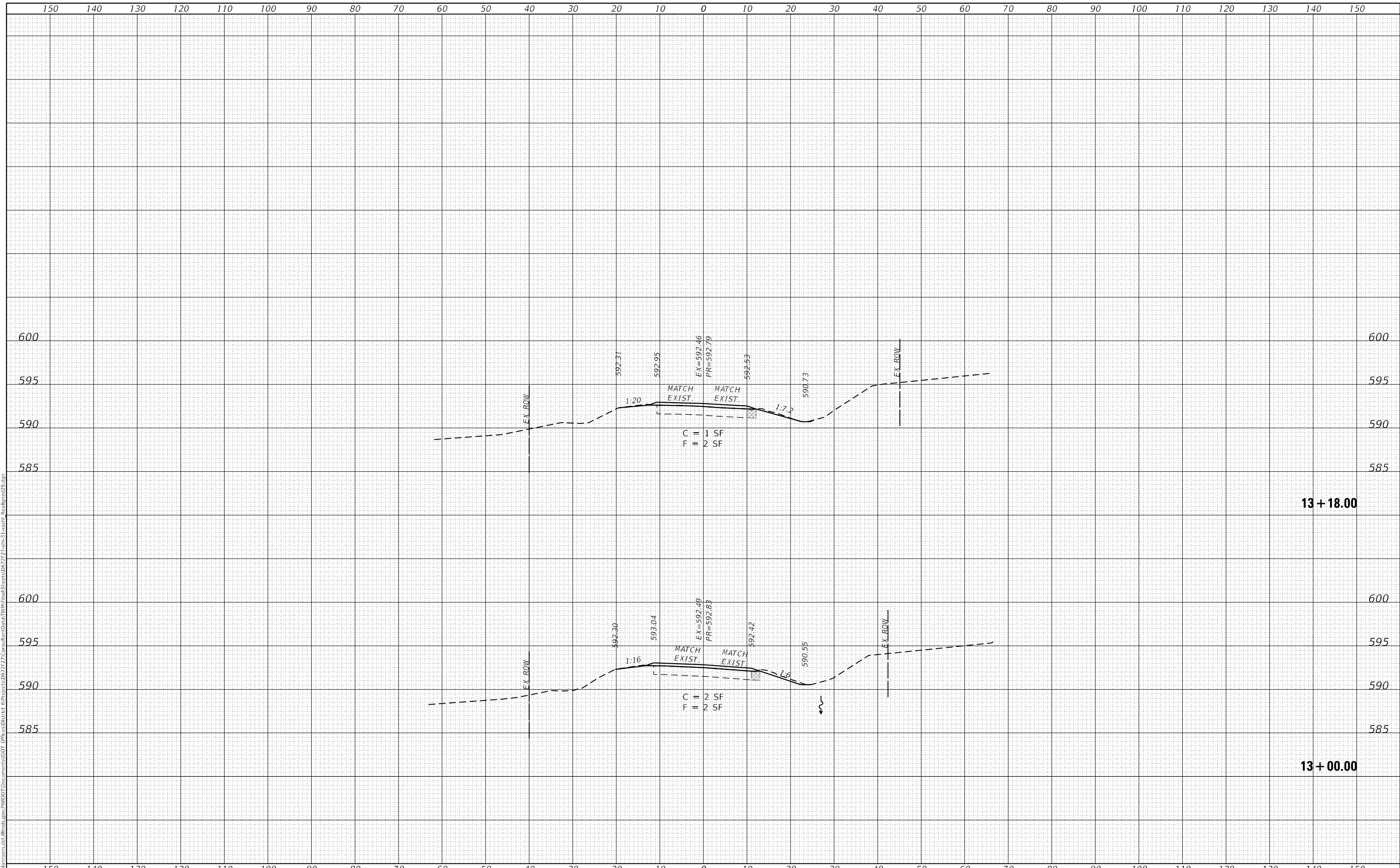
CROSS SECTIONS			
REALIGNED OLD ROUTE 29 / OLD RTE 29 (WEST LEG)			
SCALE: 1"=10'	SHEET 4 OF 5 SHEETS	STA. 11+50.00 TO STA. 12+50.00	

F.A.S. RTE. 1645	SECTION (B) CR	COUNTY SANGAMON	TOTAL SHEETS 119	SHEET NO. 101
				CONTRACT NO. 72F27
				ILLINOIS FED. AID PROJECT

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

DATE	
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS CHECKED

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USER NAME	= whitlingme
PLOT SCALE	= 20.0000 ' / in.
PLOT DATE	= 8/3/2020

DESIGNED	-	MLS/JWS
DRAWN	-	MLS
CHECKED	-	JWS
DATE	-	APRIL 2019

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

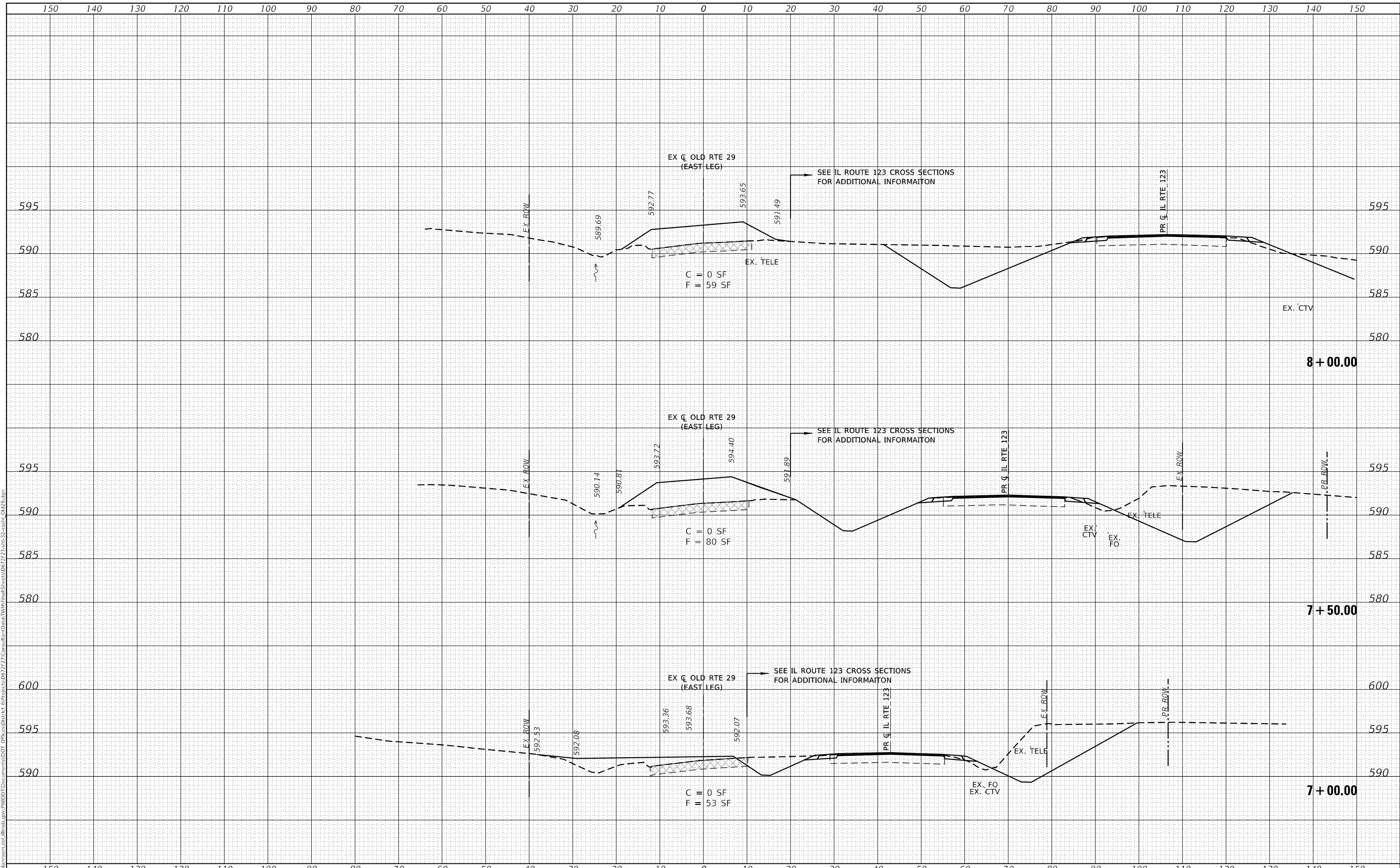
<b>CROSS SECTIONS</b>			
<b>REALIGNED OLD ROUTE 29 / OLD RTE 29 (WEST LEG)</b>			
SCALE: 1"=10'	SHEET 5 OF 5 SHEETS	STA. 13+00.00	TO STA. 13+18.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	102
				CONTRACT NO. 72F27
				ILLINOIS FED. AID PROJECT

DATE	
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SURVEYED	
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FINAL SURVEY	
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DESIGNED	- MLS/JWS
DRAWN	- MLS
CHECKED	- JWS
DATE	- APRIL 2019
REVISIONS	
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REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 OLD ROUTE 29 (EAST LEG)**

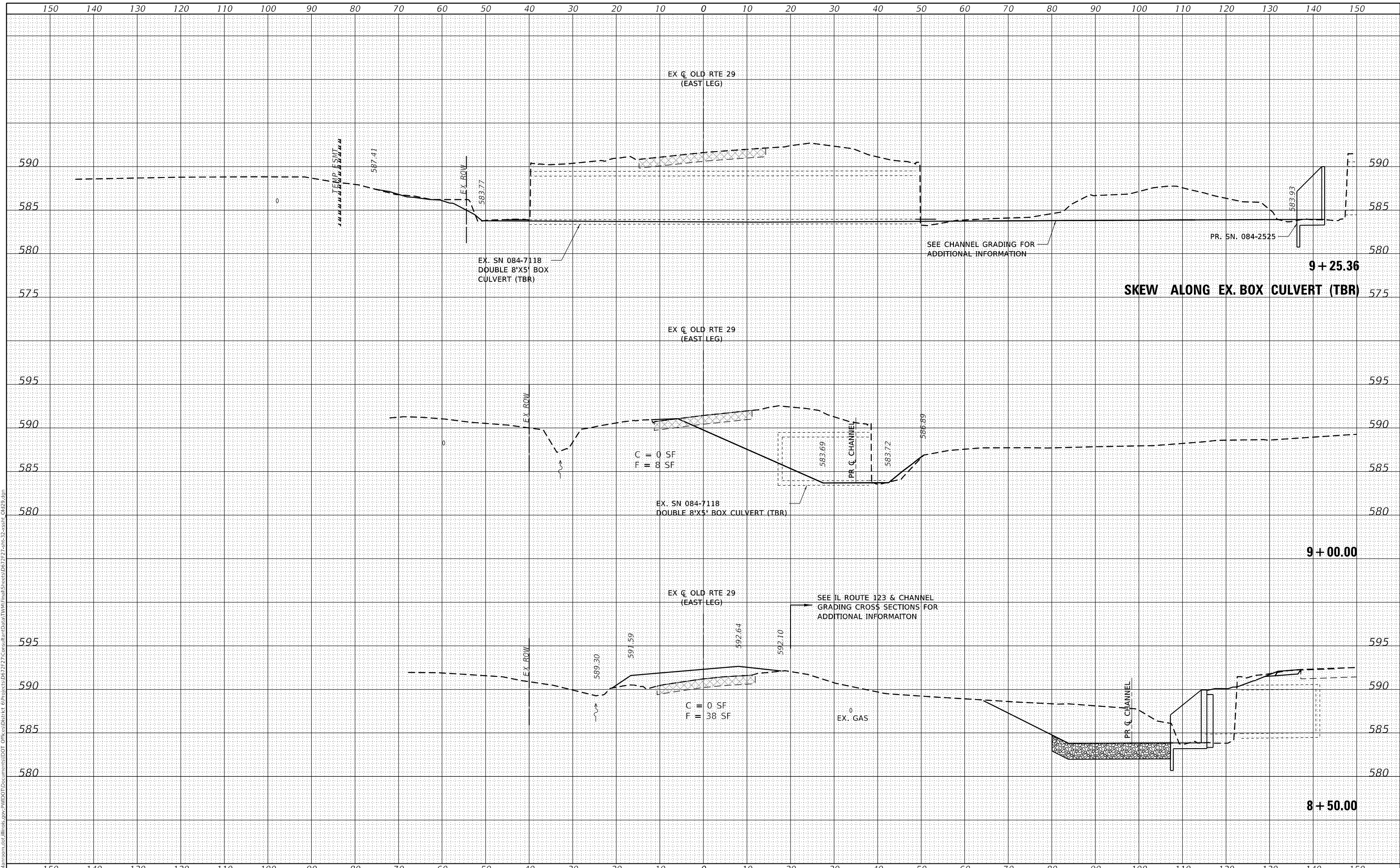
SCALE: 1"=10' SHEET 1 OF 4 SHEETS STA. 7+00.00 TO STA. 8+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	103
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

DATE	
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FINAL SURVEY	
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ORIGINAL SURVEY	
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USER NAME	= whitlingme
DESIGNED	- MLS/JWS
DRAWN	- MLS
CHECKED	- JWS
DATE	- APRIL 2019
REVISIONS	
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS    OLD ROUTE 29 (EAST LEG)</b>			
SCALE:	1"=10'	SHEET	2 OF 4 SHEETS
STA.	8+50.00	TO STA.	9+25.36

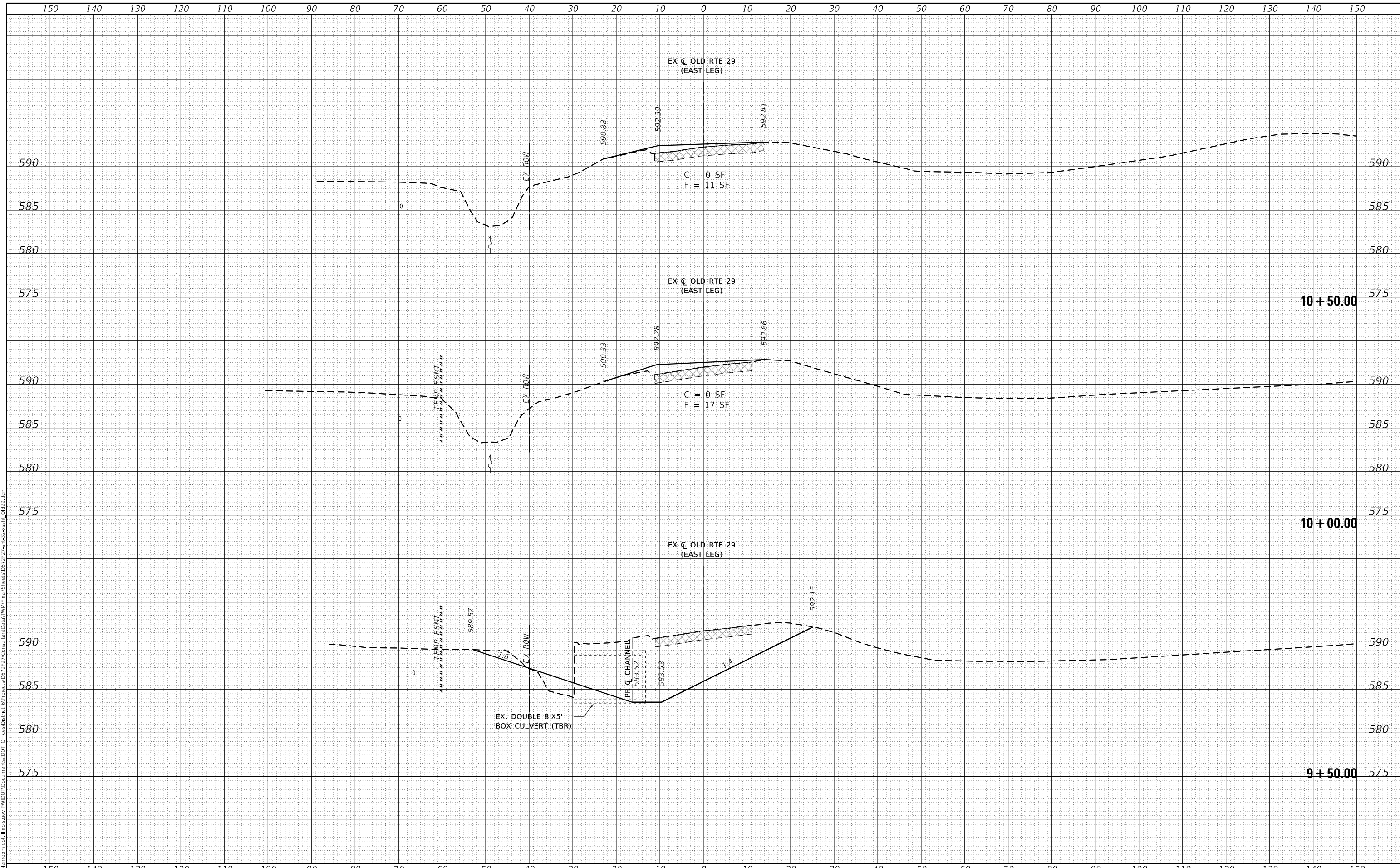
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	104
				CONTRACT NO. 72F27
				ILLINOIS FED. AID PROJECT



DATE	
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FINAL SURVEY	
NOTE BOOK	
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ORIGINAL SURVEY	
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USER NAME	= whitlingme
DESIGNED	- MLS/JWS
DRAWN	- MLS
CHECKED	- JWS
DATE	- APRIL 2019
PLOT SCALE	= 20.0000 ' / in.
PLOT DATE	= 8/3/2020

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 OLD ROUTE 29 (EAST LEG)**

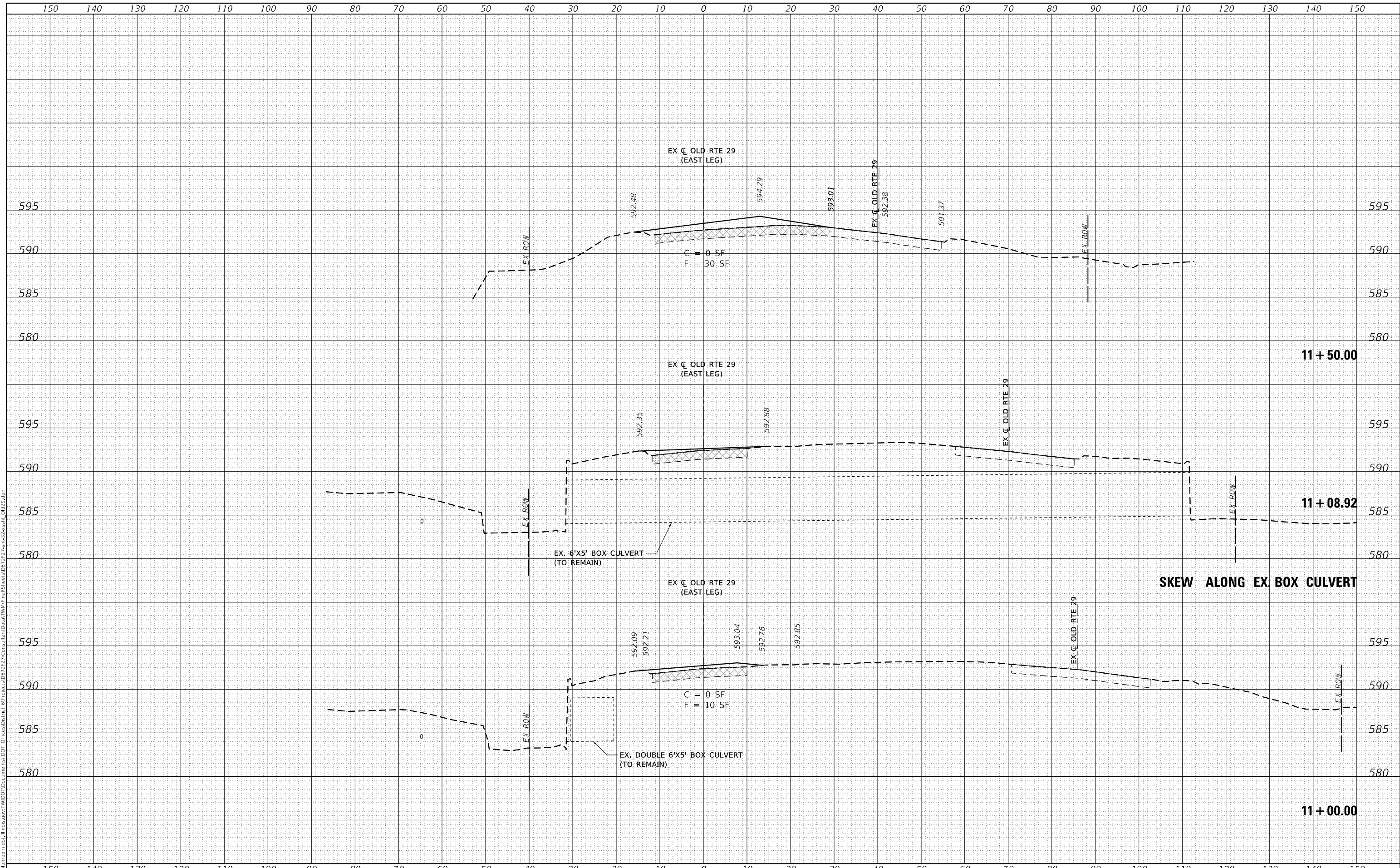
SCALE: 1"=10'    SHEET 3 OF 4 SHEETS    STA. 9+50.00    TO STA. 10+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	105
				CONTRACT NO. 72F27
				ILLINOIS FED. AID PROJECT

DATE	
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SURVEYED	
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TEMPLATE	
AREAS	
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FINAL SURVEY	
NOTE BOOK	
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DATE	
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TEMPLATE	
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ORIGINAL SURVEY	
NOTE BOOK	
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	DRAWN - MLS	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JWS	REVISED -
PLOT DATE = 8/3/2020	DATE - APRIL 2019	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
OLD ROUTE 29 (EAST LEG)**

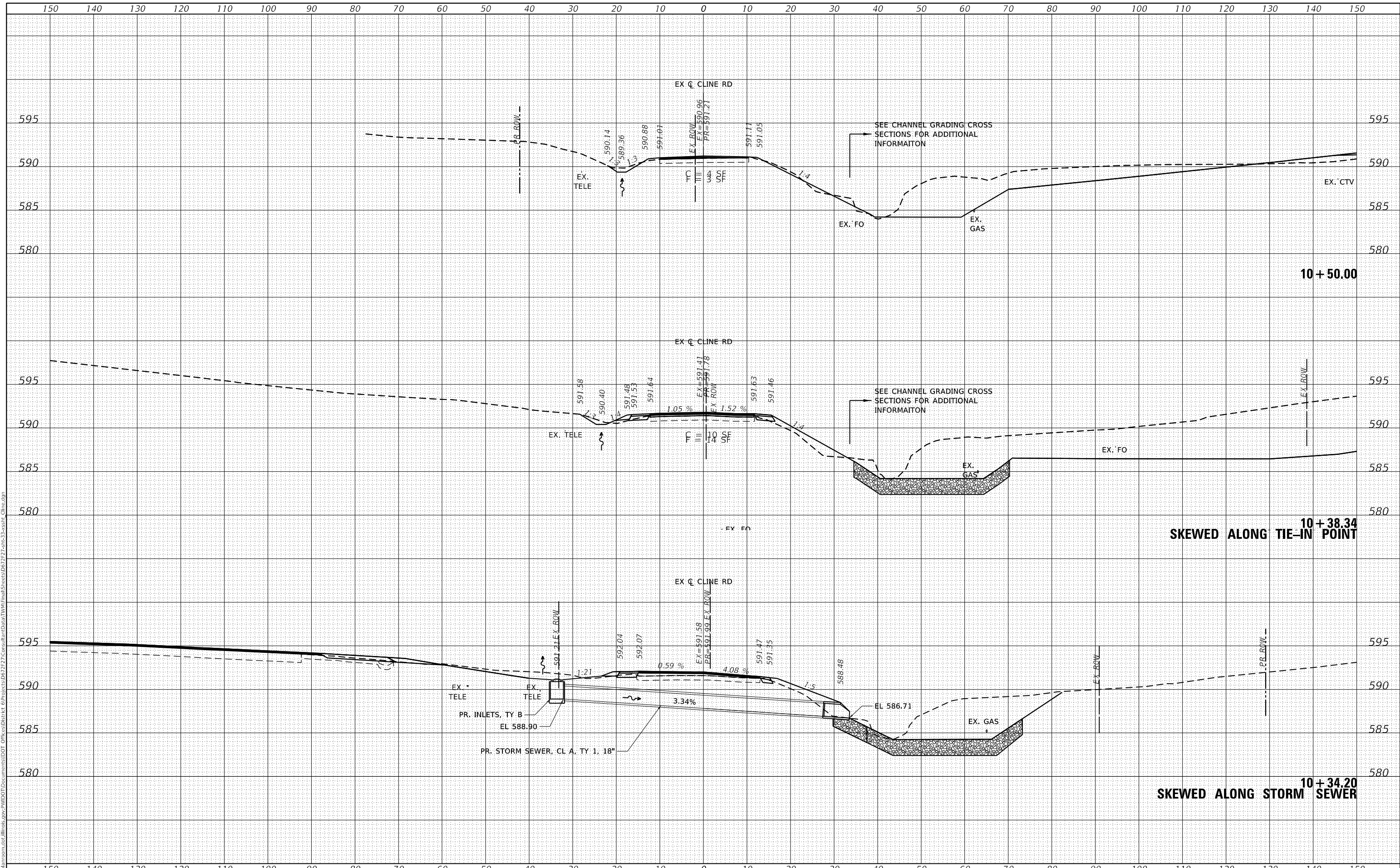
SCALE: 1"=10'    SHEET 4 OF 4 SHEETS    STA. 11+00.00 TO STA. 11+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	106
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

DATE	
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FINAL SURVEY	
NOTE BOOK	
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MODEL: Default  
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USER NAME = whitlingme	DESIGNED - MLS/JWS	REVISED -
	DRAWN - MLS	REVISED -
PLOT SCALE = 20.0000' / in.	CHECKED - JWS	REVISED -
PLOT DATE = 8/3/2020	DATE - APRIL 2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 CLINE ROAD**

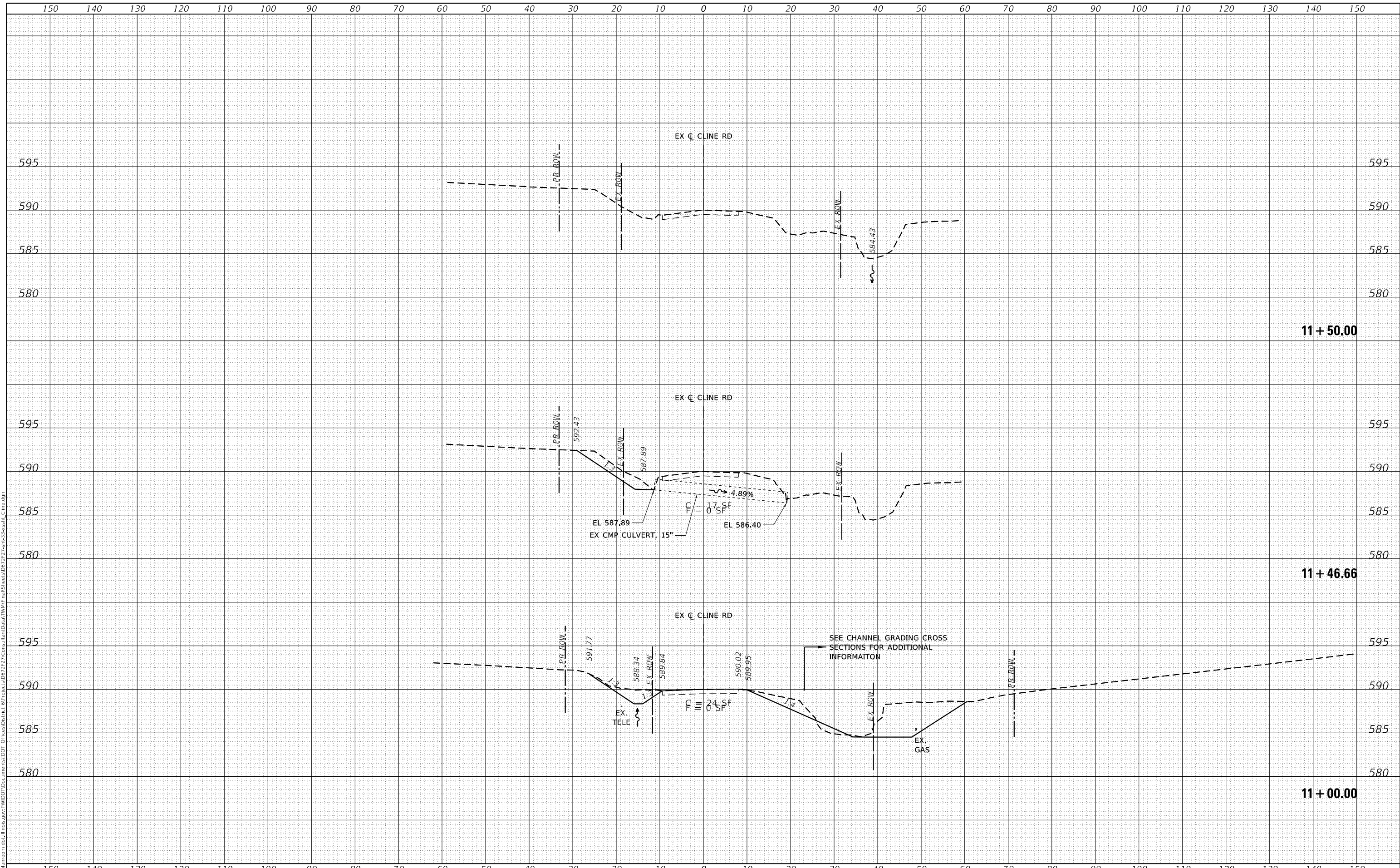
SCALE: 1"=10'    SHEET 1 OF 2 SHEETS    STA. 10+24.92 TO STA. 10+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	107
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

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USER NAME = whitlingme	DESIGNED - MLS/JWS	REVISD -
	DRAWN - MLS	REVISD -
PLOT SCALE = 20.0000 ' / in.	CHECKED - JWS	REVISD -
PLOT DATE = 8/3/2020	DATE - APRIL 2019	REVISD -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 CLINE ROAD**

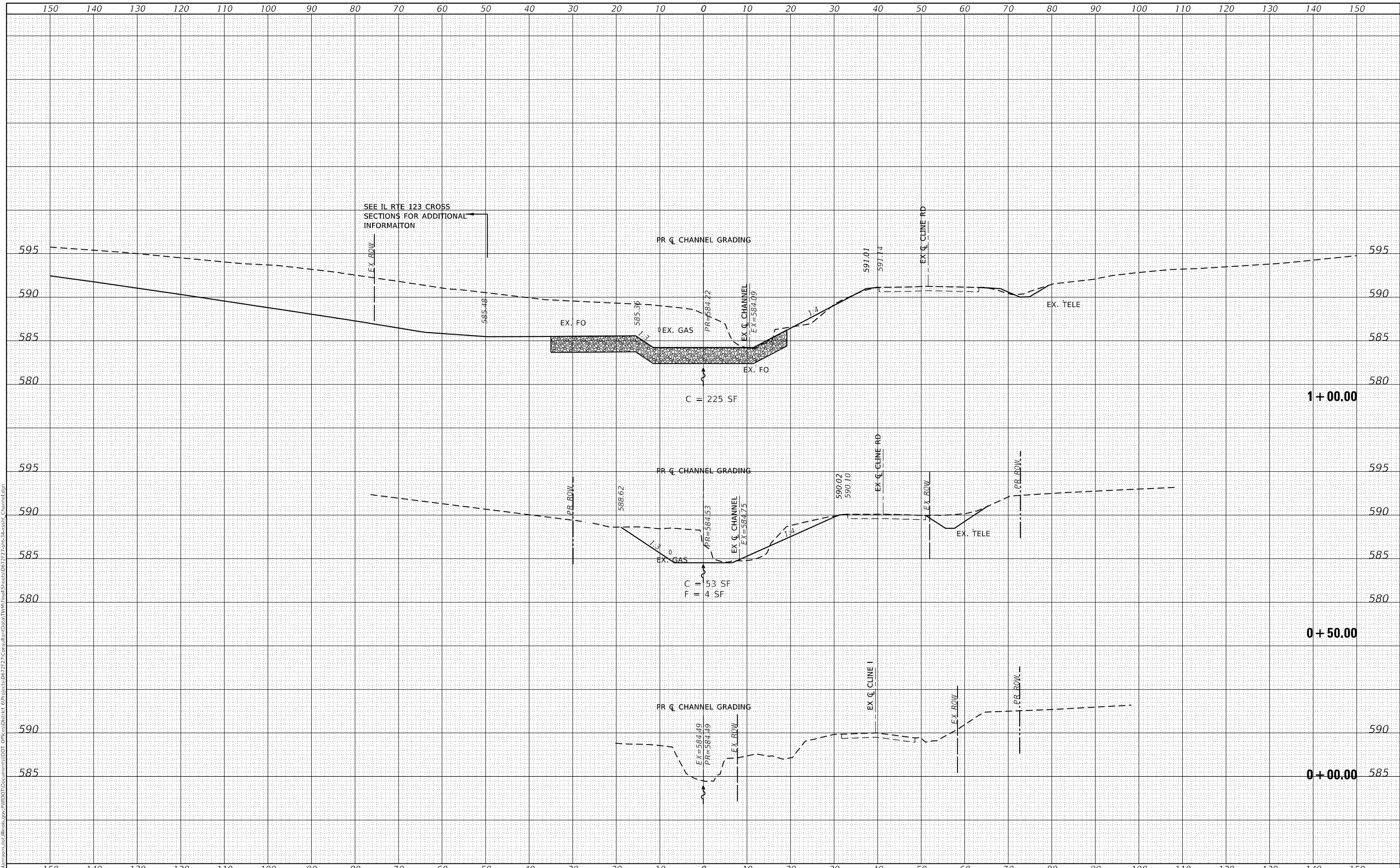
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	108
				CONTRACT NO. 72F27
				ILLINOIS FED. AID PROJECT

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	AREAS CHECKED

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USER NAME	= whitlingme
DESIGNED	- MLS/JWS
DRAWN	- MLS
CHECKED	- JWS
DATE	- APRIL 2019
PLOT SCALE	= 20.0000 ' / in.
PLOT DATE	= 8/3/2020

REVISD	-
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REVISD	-
REVISD	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS  
 CHANNEL GRADING (LOOKING DOWNSTREAM-SOUTH)**

SCALE: 1"=10'    SHEET 1 OF 4 SHEETS    STA. +00.00 TO STA. 1+00.00

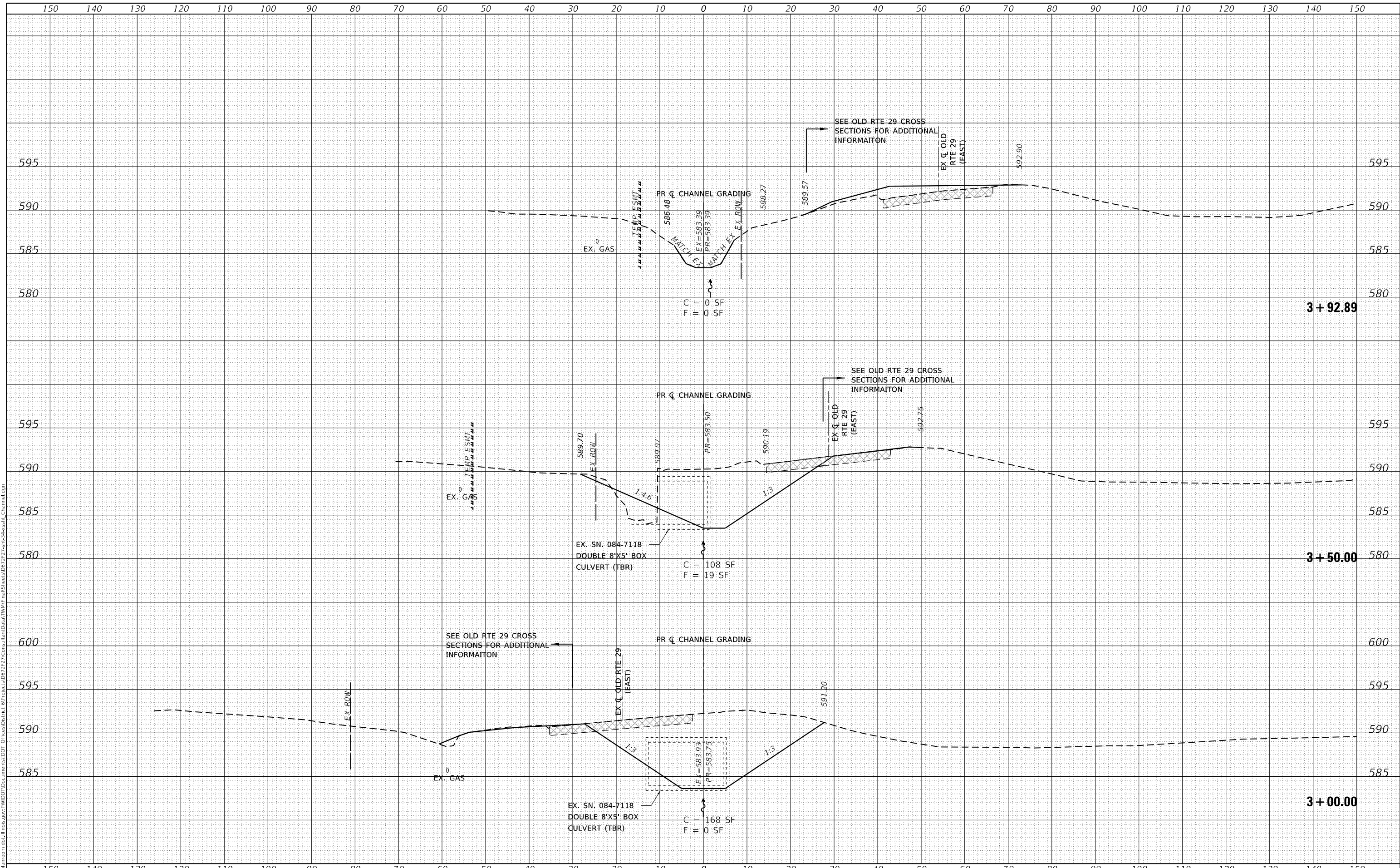
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	109
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				



DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
FINAL SURVEY	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
NO.	

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USER NAME	= whitlingme
DESIGNED	- MLS/JWS
DRAWN	- MLS
CHECKED	- JWS
DATE	- APRIL 2019
PLOT SCALE	= 20.0000' / in.
PLOT DATE	= 8/3/2020

REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

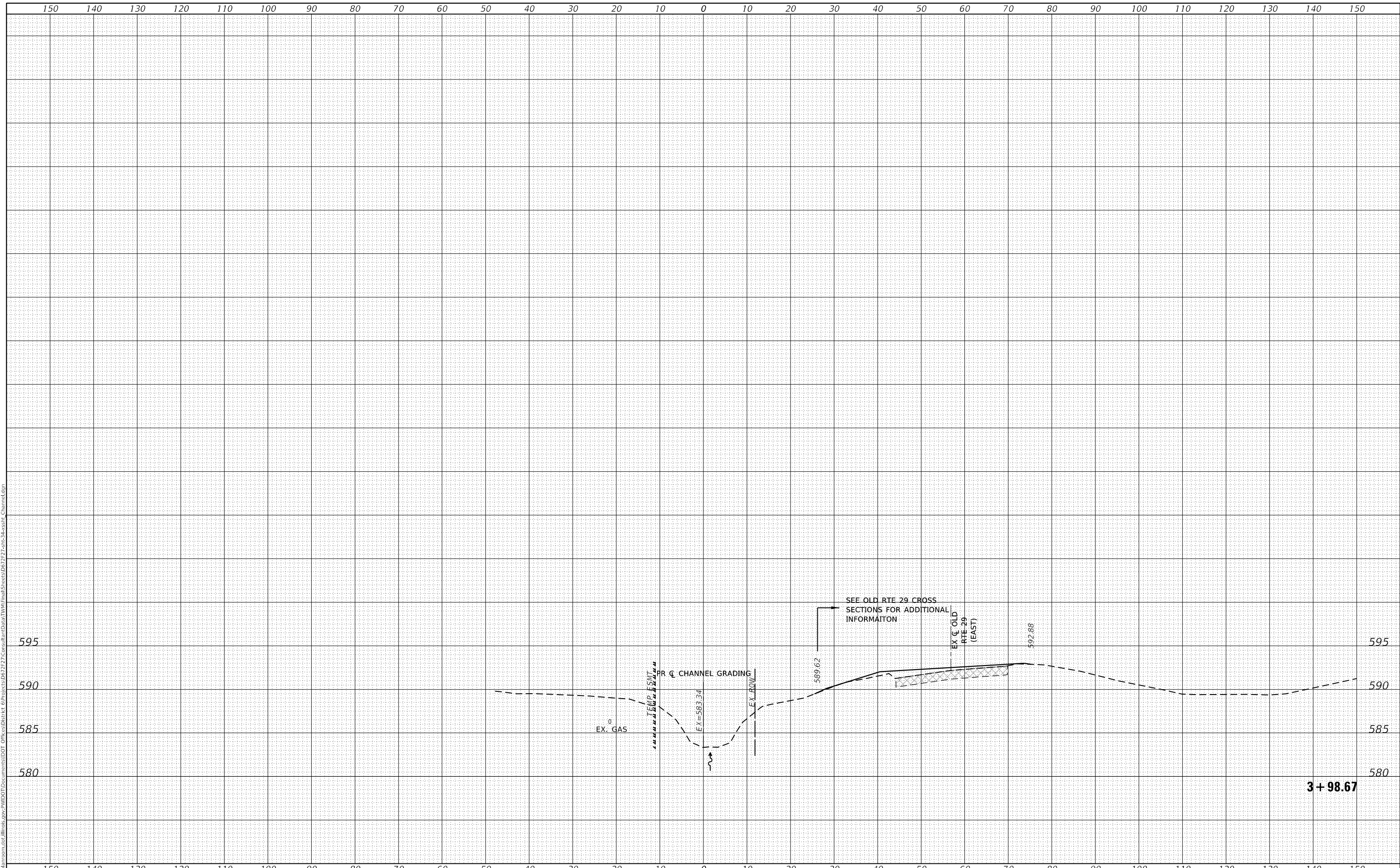
<b>CROSS SECTIONS</b>			
<b>CHANNEL GRADING (LOOKING DOWNSTREAM-SOUTH)</b>			
SCALE:	1"=10'	SHEET 3 OF 4 SHEETS	STA. 3+00.00 TO STA. 3+92.89

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	111
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

FINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

ORIGINAL SURVEY NO.	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
AREAS CHECKED	TEMPLATE		
	AREAS CHECKED		

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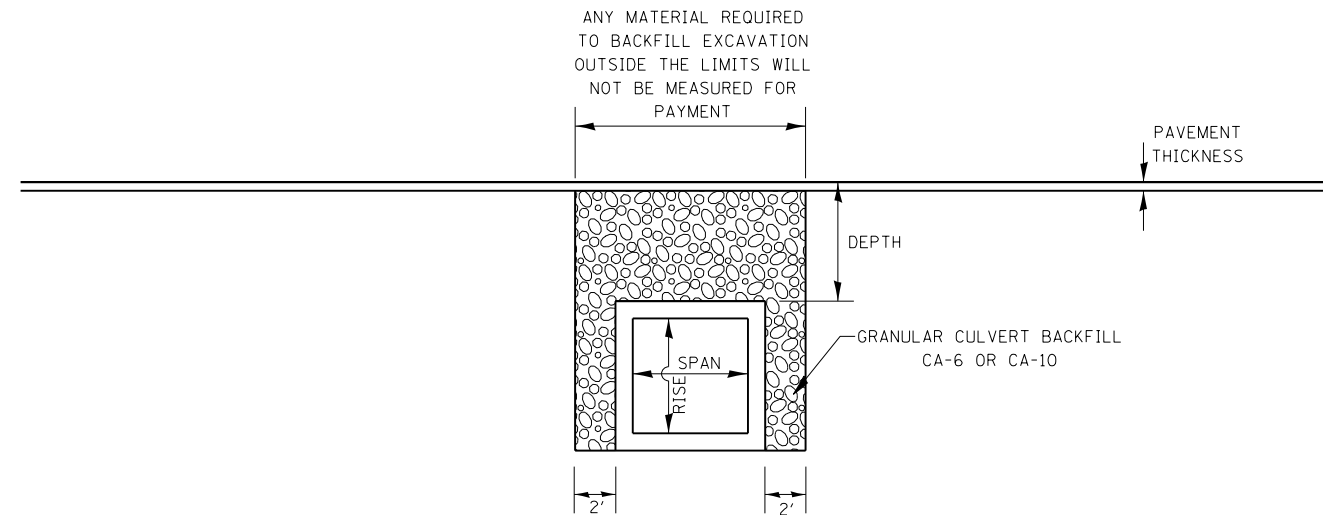
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PLOT DATE = 8/3/2020	DATE - APRIL 2019	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTIONS</b>			
<b>CHANNEL GRADING (LOOKING DOWNSTREAM-SOUTH)</b>			
SCALE: 1"=10'	SHEET 4 OF 4 SHEETS	STA. 3+98.67	TO STA. 3+98.67

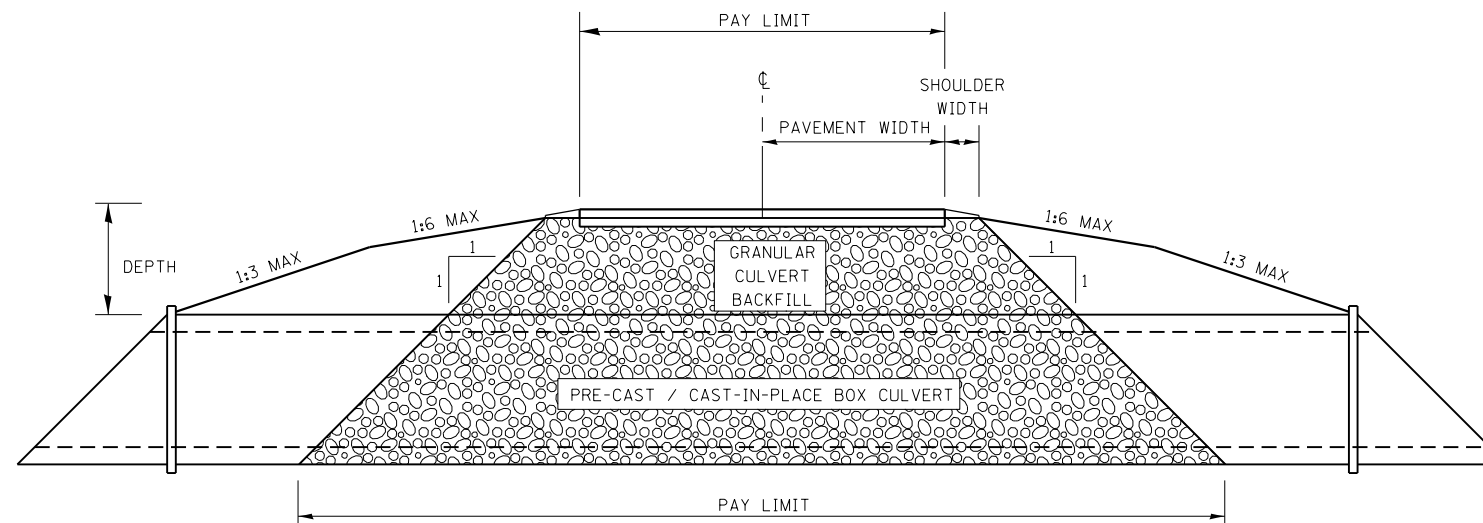
F.A.S. RTE. 1645	SECTION (B) CR	COUNTY SANGAMON	TOTAL SHEETS 119	SHEET NO. 112
				CONTRACT NO. 72F27
		ILLINOIS	FED. AID PROJECT	





- DEPTH OF FILL  $\geq$  2 FT &  $\leq$  8 FT
- DEPTH OF FILL  $\leq$  SPAN OF LARGEST BOX CONFIGURATION

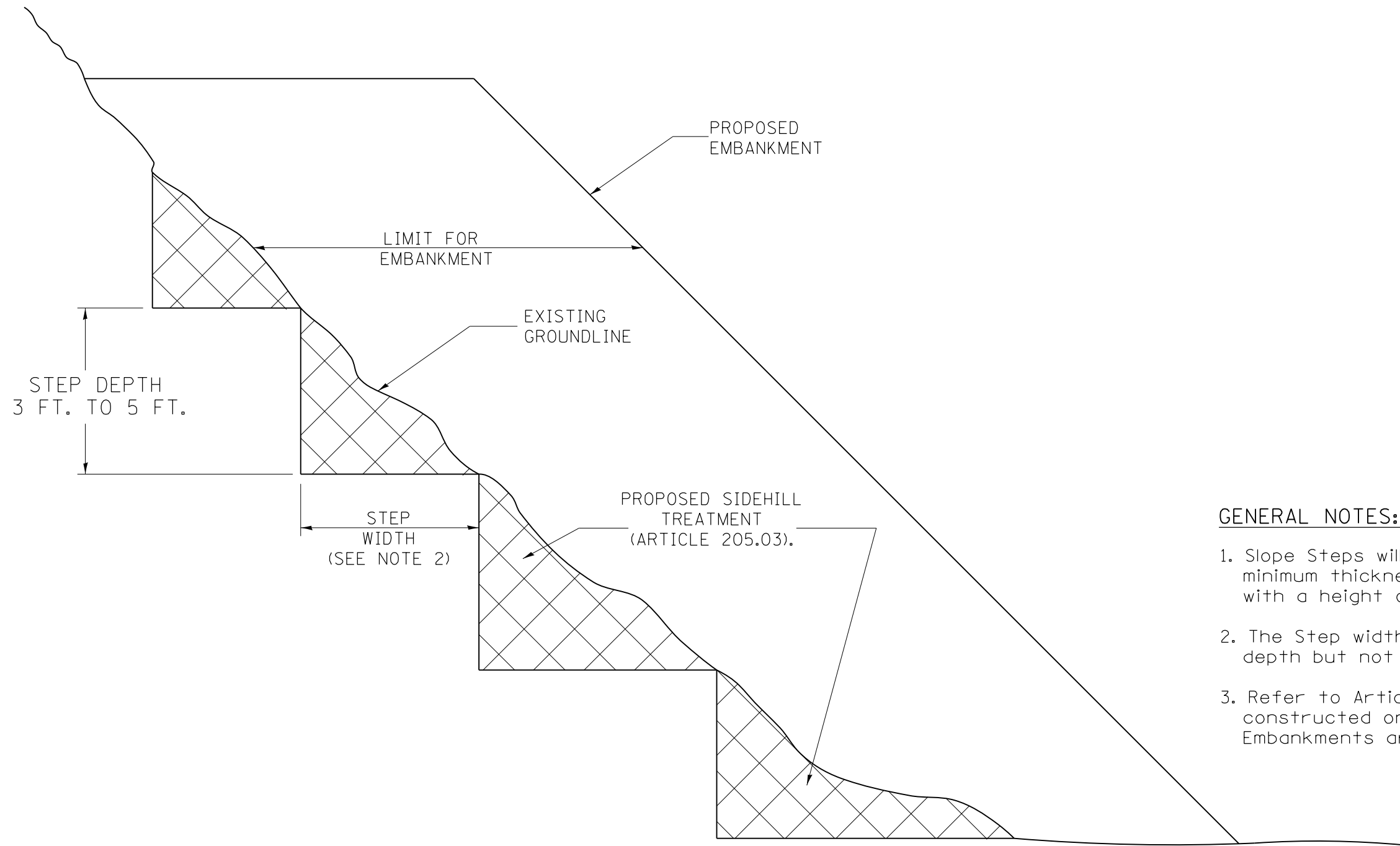
**PROFILE GRANULAR BACKFILL DETAIL  
FOR EXISTING ALIGNMENTS & CONSTRUCTION**



**CROSS SECTION GRANULAR BACKFILL DETAIL  
FOR EXISTING ALIGNMENTS & CONSTRUCTION**

FILE NAME =	USER NAME = whitlingme	DESIGNED - BKL	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GRANULAR BACKFILL DETAIL TO BOTTOM OF BOX CULVERT</b>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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Granular Backfill Details.dgn	PLOT DATE = 5/11/2020	DATE -	REVISED -			CONTRACT NO. 72F27			ILLINOIS FED. AID PROJECT		
						SCALE:	SHEET 1 OF 1 SHEETS	STA.	TO STA.		

**SLOPE STEPS DETAIL**  
 TYPICAL CROSS-SECTION EMBANKMENT  
 CONSTRUCTION ON SIDEHILL



**GENERAL NOTES:**

1. Slope Steps will be required for all 12 (300) minimum thickness "silver fills" and on a fills with a height of 10' (3.0 m).
2. The Step width shall be twice the Step depth but not less than 6 feet.
3. Refer to Article 205.03 for Embankment to be constructed on Hillside or Slopes, or if existing Embankments are to be widened.

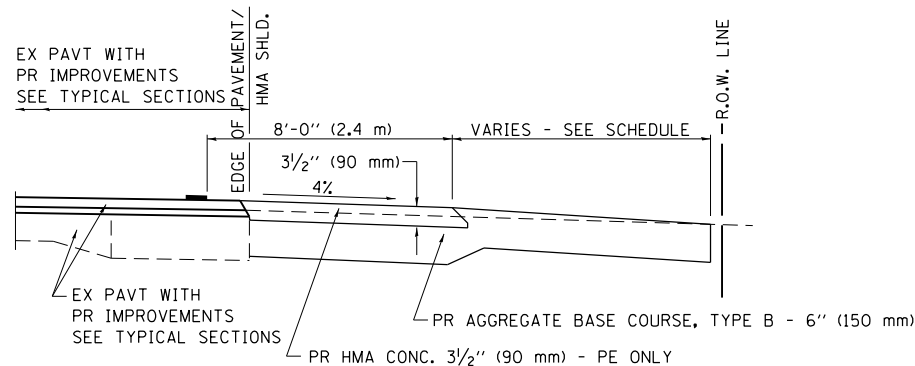
**REPLACEMENT MATERIAL:**



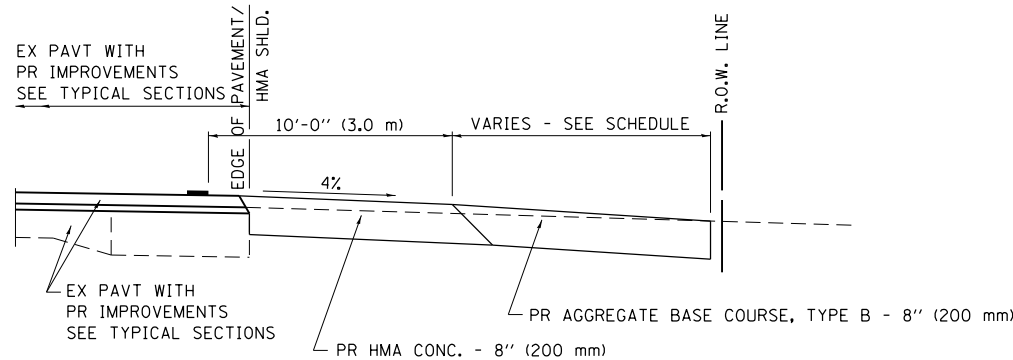
STANDARD EMBANKMENT  
 (IN ACCORDANCE WITH  
 205 OF THE STANDARD SPECIFACATION).

All dimensions are in inches  
 (millimeters) unless otherwise noted.

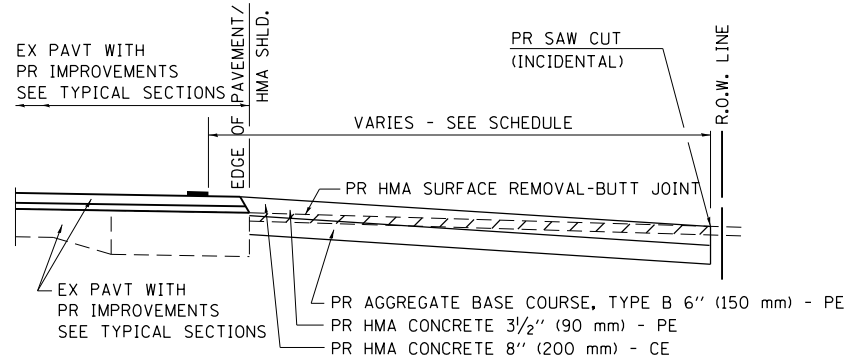
FILE NAME =	USER NAME = whitlingme	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b>	<b>SLOPE STEPS DETAIL</b>	F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SLOPESTEP.DGN				<b>DEPARTMENT OF TRANSPORTATION</b>		1645	(B) CR	SANGAMON	119	114
PLOT SCALE = 40.0000' / in.						CONTRACT NO. 72F27				
PLOT DATE = 5/11/2020					SCALE:	SHEET 1 OF 1 SHEETS		STA.	TO STA.	
ILLINOIS FED. AID PROJECT										



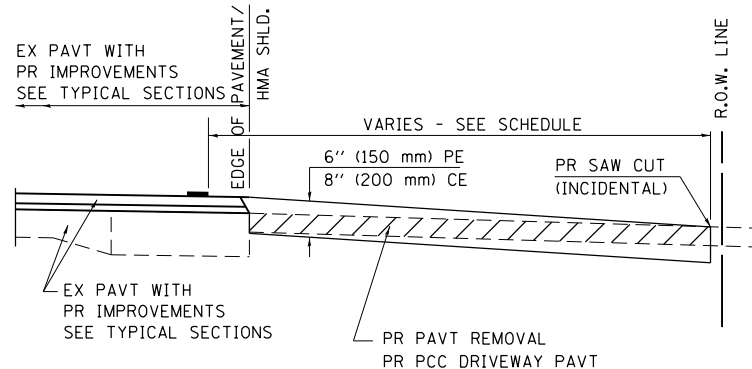
**SECTION A-A FOR EX EARTH/AGGREGATE FE & PE**



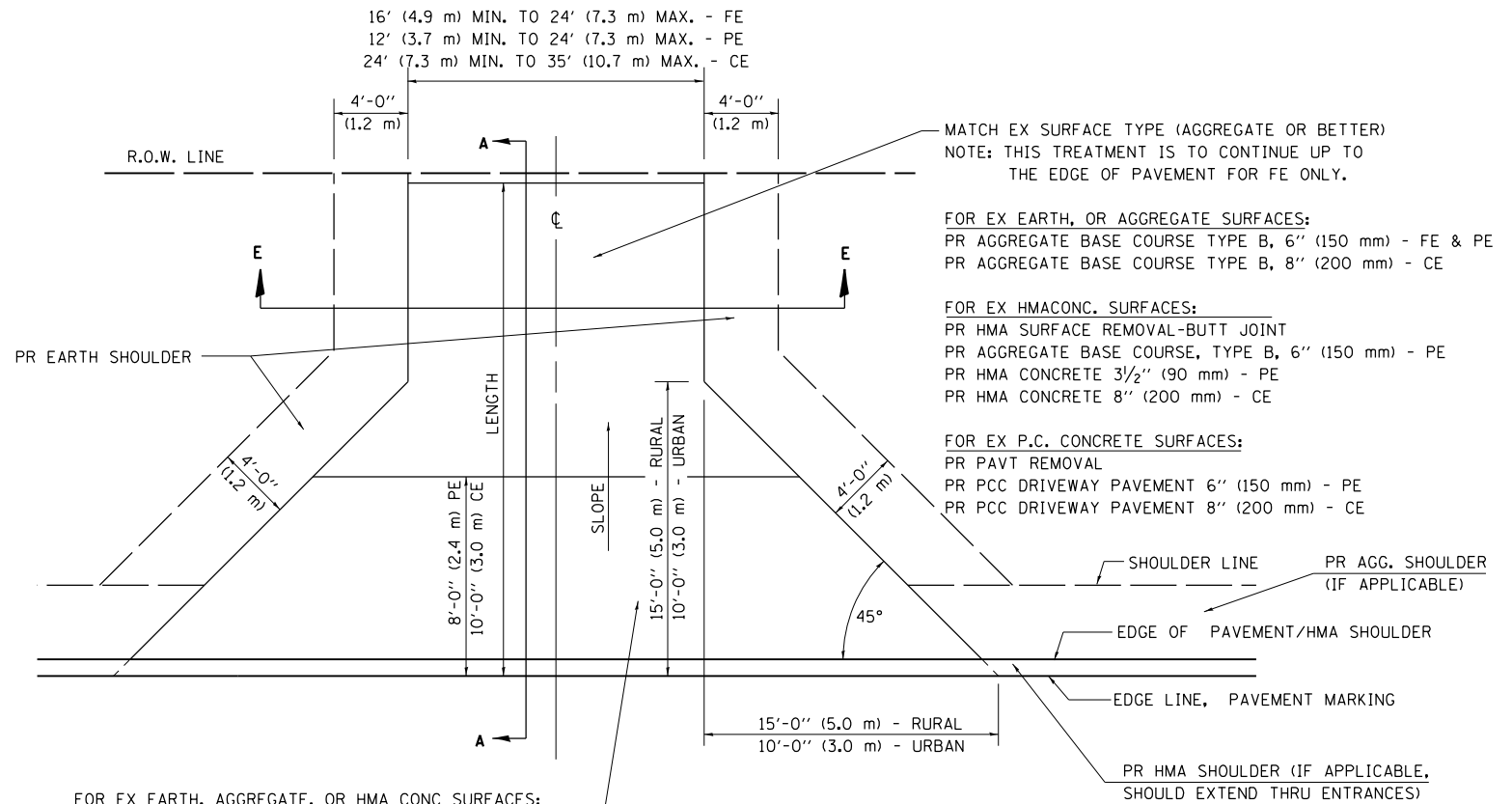
**SECTION A-A FOR EX EARTH/AGGREGATE CE**



**SECTION A-A FOR EX HMA PE & CE**



**SECTION A-A FOR EX P.C. CONC. PE & CE**



FOR EX EARTH, AGGREGATE, OR HMA CONC SURFACES:  
 PR HMA SURFACE REMOVAL-BUTT JOINT (IF APPLICABLE)  
 PR AGGREGATE BASE COURSE TYPE B 6" (150 mm) - FE  
 PR AGGREGATE BASE COURSE TYPE B, 6" (150 mm) &  
 PR HMA CONCRETE 3 1/2" (90 mm) - PE  
 PR HMA CONCRETE 8" (200 mm) - CE

FOR P.C. CONCRETE SURFACES:  
 PR PAVT REMOVAL  
 PR PCC DRIVEWAY PAVT 6" (150 mm) - PE  
 PR PCC DRIVEWAY PAVT 8" (200 mm) - CE

MATCH EX SURFACE TYPE (AGGREGATE OR BETTER)  
 NOTE: THIS TREATMENT IS TO CONTINUE UP TO THE EDGE OF PAVEMENT FOR FE ONLY.

FOR EX EARTH, OR AGGREGATE SURFACES:  
 PR AGGREGATE BASE COURSE TYPE B, 6" (150 mm) - FE & PE  
 PR AGGREGATE BASE COURSE TYPE B, 8" (200 mm) - CE

FOR EX HMA/CONC. SURFACES:  
 PR HMA SURFACE REMOVAL-BUTT JOINT  
 PR AGGREGATE BASE COURSE, TYPE B, 6" (150 mm) - PE  
 PR HMA CONCRETE 3 1/2" (90 mm) - PE  
 PR HMA CONCRETE 8" (200 mm) - CE

FOR EX P.C. CONCRETE SURFACES:  
 PR PAVT REMOVAL  
 PR PCC DRIVEWAY PAVEMENT 6" (150 mm) - PE  
 PR PCC DRIVEWAY PAVEMENT 8" (200 mm) - CE

**GENERAL NOTES:**

THE RESIDENT ENGINEER WILL DETERMINE THE EXACT TYPE OF IMPROVEMENT TO BE COMPLETED FOR ALL ENTRANCES, SIDEROADS AND MAILBOX TURNOUTS ON THIS PROJECT.

THE PLAN DETAILS AND SCHEDULES SHOULD BE USED AS A GUIDE FOR THE ENGINEER TO IMPLEMENT THE FINAL DESIGN. THE ENGINEER MAY DECIDE TO SALVAGE PORTIONS OF THE EXISTING ENTRANCE PAVEMENT STRUCTURE; THEREFORE, REDUCING PAY ITEM QUANTITIES. NO ADDITIONAL PAYMENT WILL BE ALLOWED FOR THIS REDUCTION IN QUANTITIES.

ANY WORK THE ENGINEER REQUIRES WHICH IS NOT COVERED BY A PAY ITEM CONTAINED IN THE PLANS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

HMA CONCRETE REQUIRED TO CONSTRUCT THE ENTRANCES SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 406 AND 408 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

WHEN THE HMA CONCRETE PROPOSED FOR THE IMPROVEMENT IS THICKER THAN 3 INCHES (75 mm) AND REQUIRE PLACEMENT IN MORE THAN ONE LIFT. THE BOTTOM LIFT(S) SHALL MEET THE REQUIREMENTS OF HMA BASE COURSE IN SECTION 406 OF THE STANDARD SPECIFICATIONS AND THE TOP LIFT OF 2 INCHES (50 mm) SHALL MEET THE REQUIREMENTS OF HMA CONCRETE SURFACE COURSE, SUPERPAVE.

THIS WORK WILL BE PAID FOR IN ACCORDANCE WITH SECTIONS 351, 358, 408, 423 AND 440 OF THE STANDARD SPECIFICATIONS.

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

**SECTION E - E ENTRANCE TYPICAL SECTION**

NOTE 1: WIDTH OF ENTRANCE MAY BE INCREASED AT THE PIPE CULVERT DUE TO THE DITCHLINE BEING LOCATED IN THE ENTRANCE FLARE AREA.

FILE NAME =	USER NAME = whitlingme	DESIGNED -	REVISED - 2/19/03 (JCN)
ENT 3R.DGN		DRAWN -	REVISED - 01/04/04 (JCN)
		CHECKED - JCN	REVISED - 8/01/07 (JCN)
		DATE - FEBRUARY 23, 1999	REVISED - 01/2013

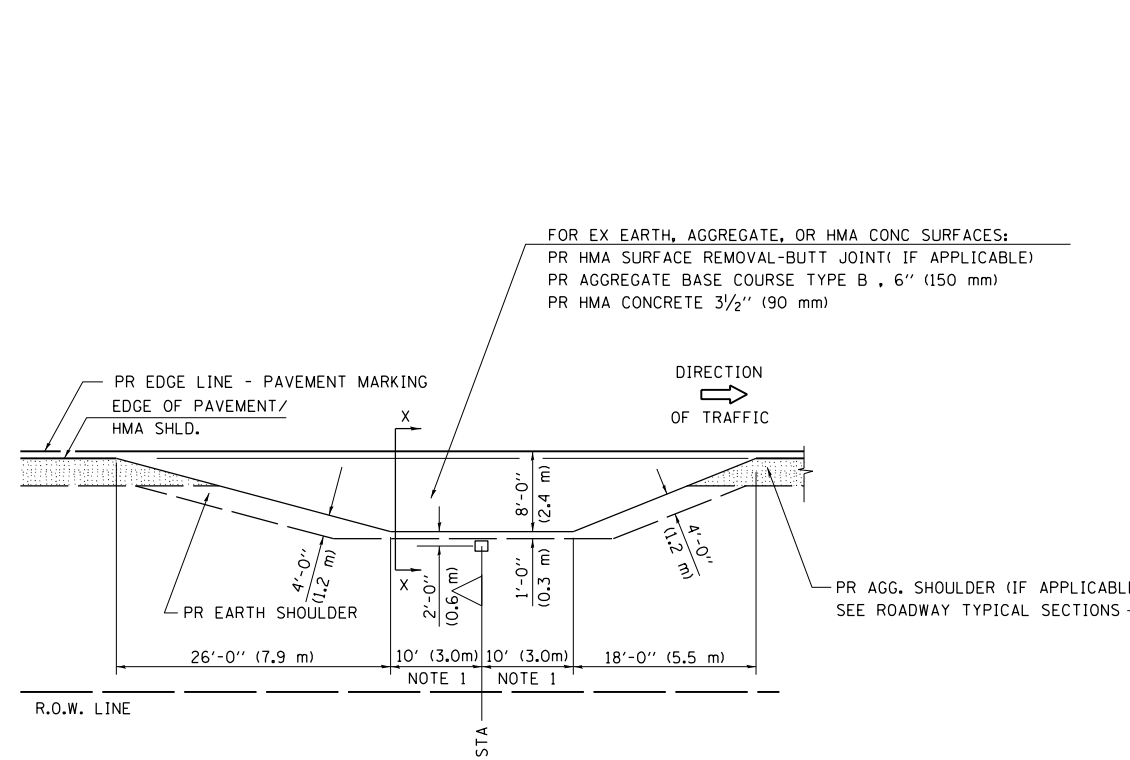
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DISTRICT 6 DETAILS FOR RURAL/URBAN ENTRANCE &  
 MAILBOX TURNOUT W/O CONC GUTTER (3R - PROJECTS)**

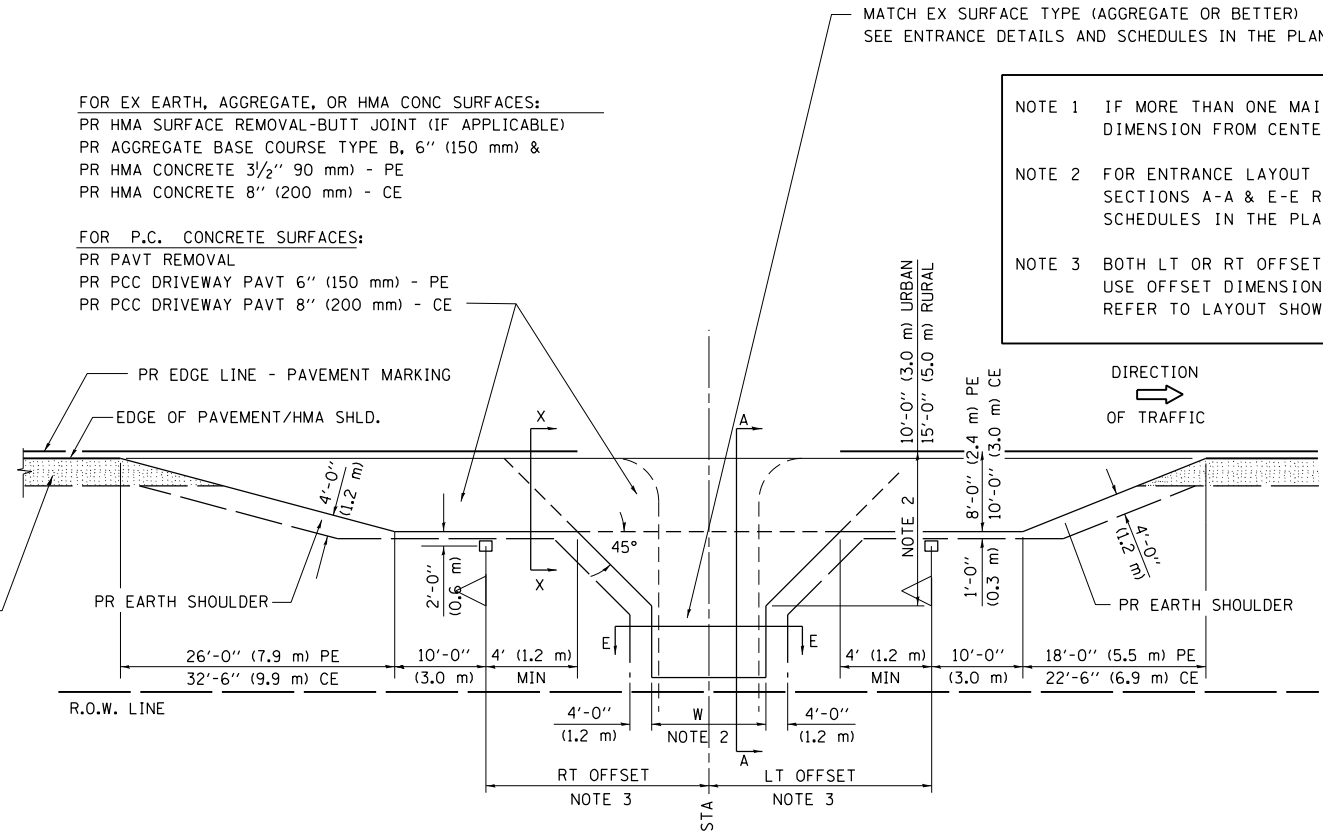
SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	115
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72F27	

**DETAILS OF MAILBOX TURNOUTS**



**PLAN - MAILBOX TURNOUTS**



**PLAN - COMBINED MAILBOX TURNOUT WITH TRAILING OR LEADING ENTRANCE**

NOTE 1 IF MORE THAN ONE MAILBOX IS PRESENT, DIMENSION FROM CENTER OF END MAILBOX.

NOTE 2 FOR ENTRANCE LAYOUT DIMENSIONS AND SECTIONS A-A & E-E REFER TO THE SCHEDULES IN THE PLANS.

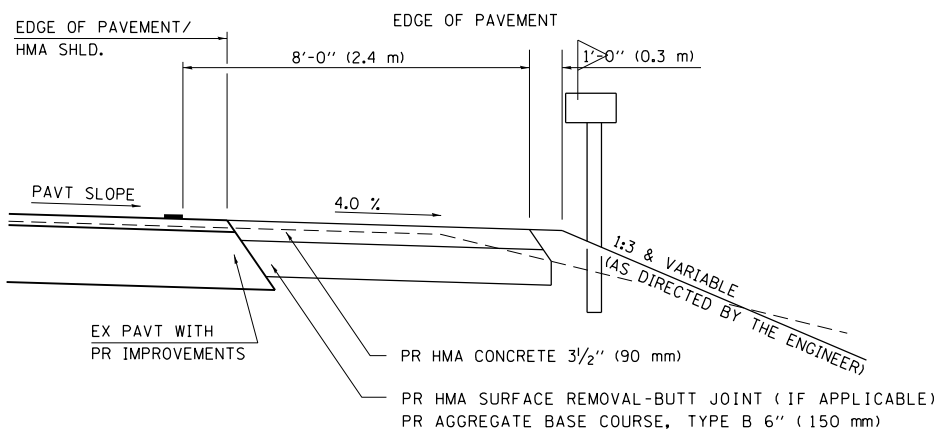
NOTE 3 BOTH LT OR RT OFFSETS FOR MAILBOX SHOWN USE OFFSET DIMENSION PER SCHEDULE AND REFER TO LAYOUT SHOWN ON THE PLAN.

FOR EX EARTH, AGGREGATE, OR HMA CONC SURFACES:  
 PR HMA SURFACE REMOVAL-BUTT JOINT (IF APPLICABLE)  
 PR AGGREGATE BASE COURSE TYPE B, 6" (150 mm) &  
 PR HMA CONCRETE 3 1/2" (90 mm) - PE  
 PR HMA CONCRETE 8" (200 mm) - CE

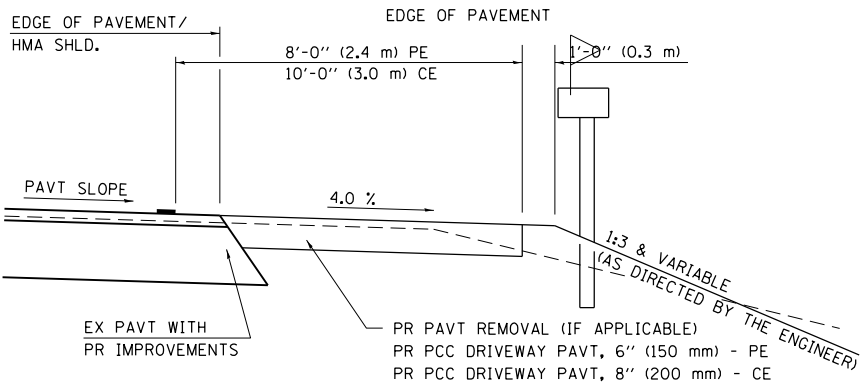
FOR P.C. CONCRETE SURFACES:  
 PR PAVT REMOVAL  
 PR PCC DRIVEWAY PAVT 6" (150 mm) - PE  
 PR PCC DRIVEWAY PAVT 8" (200 mm) - CE

FOR EX EARTH, AGGREGATE, OR HMA CONC SURFACES:  
 PR HMA SURFACE REMOVAL-BUTT JOINT (IF APPLICABLE)  
 PR AGGREGATE BASE COURSE TYPE B, 6" (150 mm)  
 PR HMA CONCRETE 3 1/2" (90 mm)

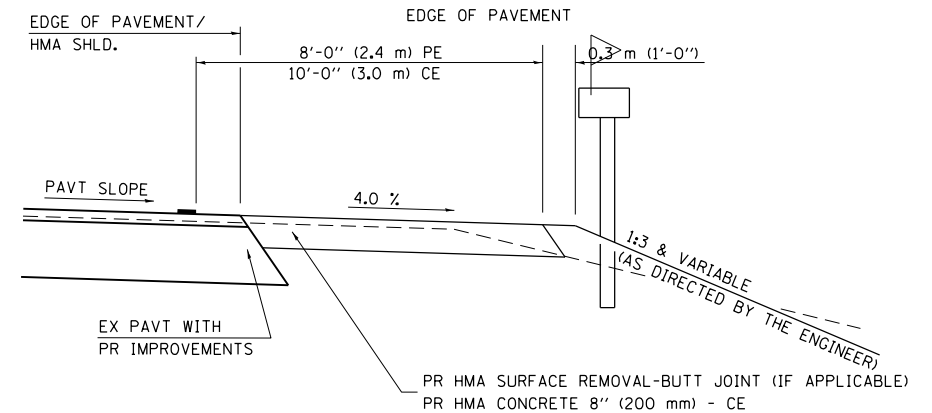
MATCH EX SURFACE TYPE (AGGREGATE OR BETTER)  
 SEE ENTRANCE DETAILS AND SCHEDULES IN THE PLANS



**SECTION X-X THRU MAILBOX TURNOUT  
 ALSO APPLIES TO MAILBOX TURNOUTS COMBINED WITH  
 EX EARTH, AGGREGATE, OR HMA PE & FE**



**SECTION X-X THRU MAILBOX TURNOUT  
 COMBINED WITH EX CONC PE OR CE**



**SECTION X-X THRU MAILBOX TURNOUT  
 COMBINED WITH EX EARTH, AGGREGATE, OR HMA CE**

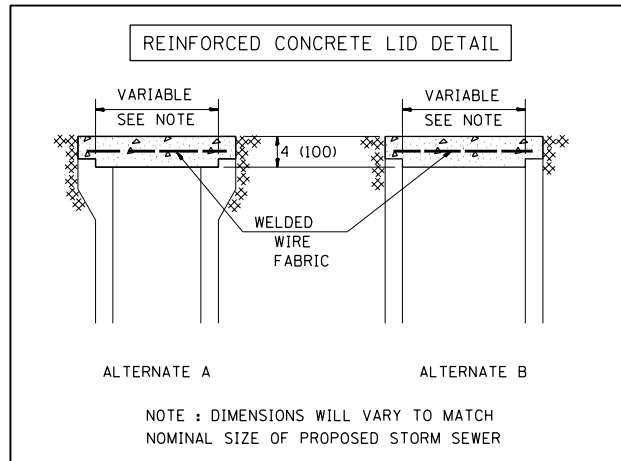
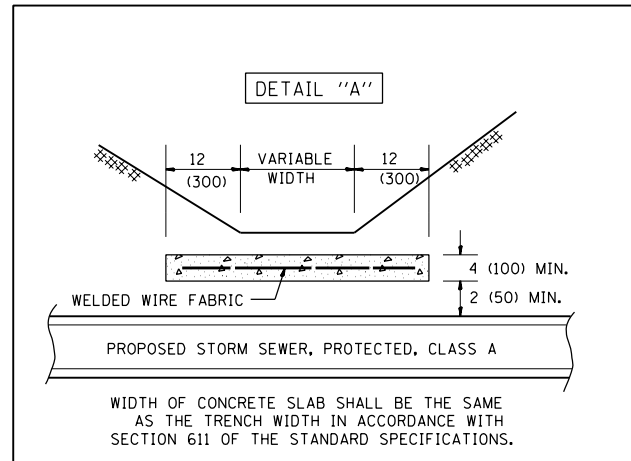
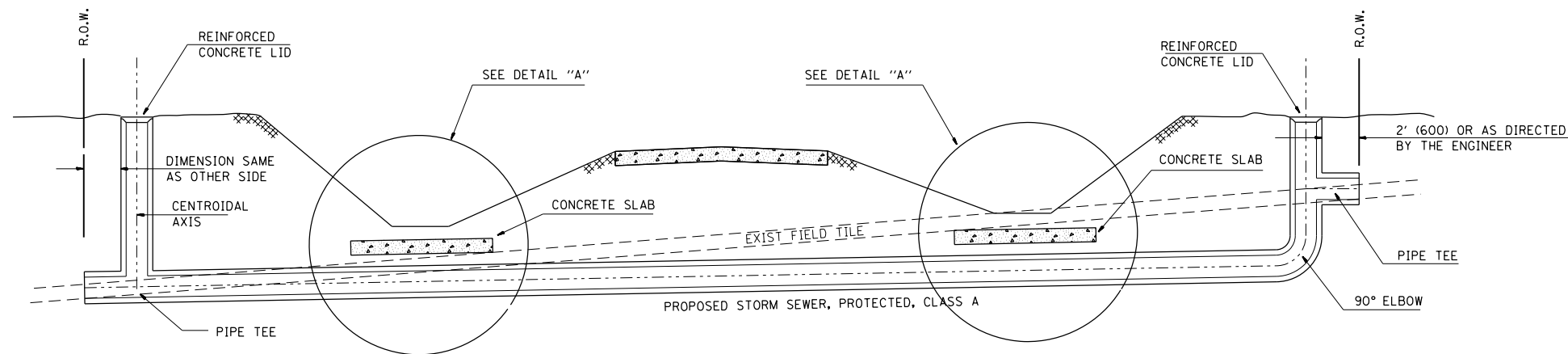
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	PLOT DATE = 5/11/2020	DATE - FEBRUARY 23, 1999	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**DISTRICT 6 DETAILS FOR RURAL / URBAN ENTRANCE &  
 MAILBOX TURNOUT W/O CONC GUTTER (3R - PROJECTS)**

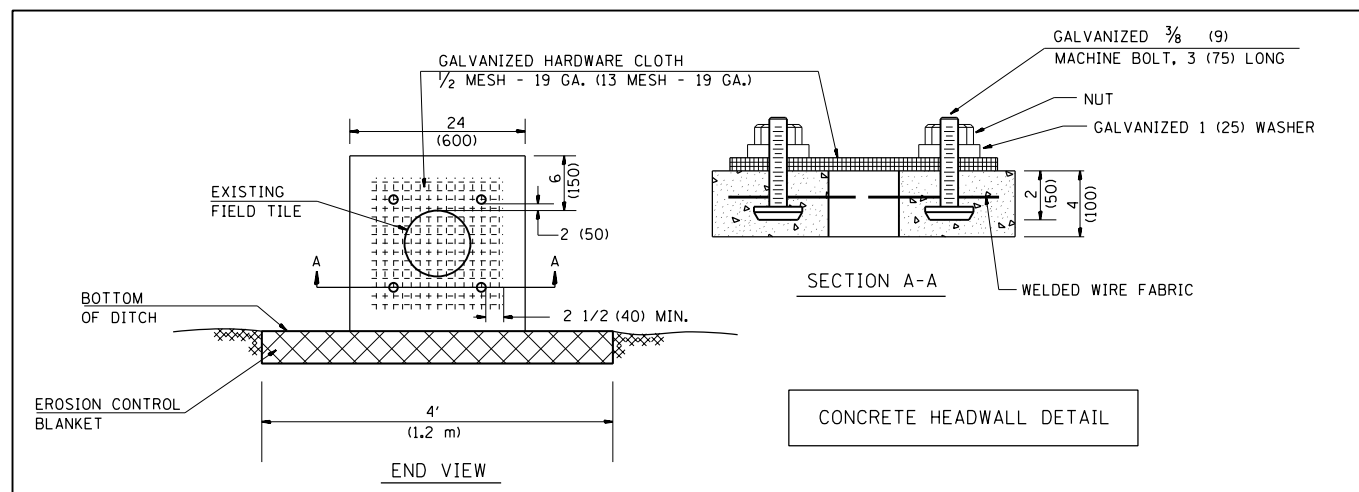
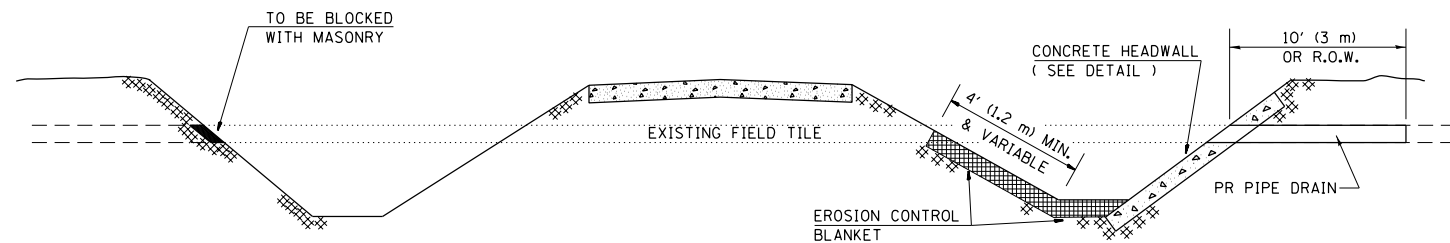
SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.S. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	116
CONTRACT NO. 72F27			ILLINOIS FED. AID PROJECT	



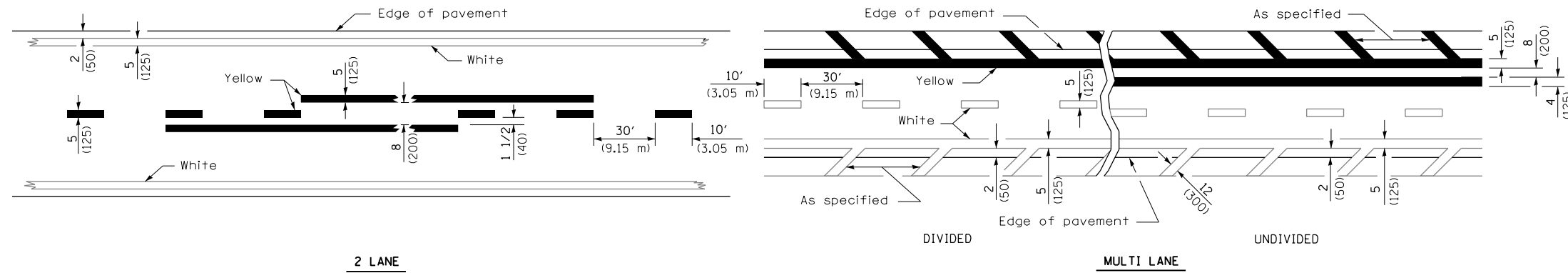
GENERAL NOTES

1. FIELD TILE SHALL BE REPLACED IN ACCORDANCE WITH SECTION 611 OF THE STANDARD SPECIFICATIONS. THE COST PER CONTRACT UNIT PRICE OF ITEMS INCLUDED IN THIS CONTRACT SHALL BE PAID FOR AS STATED IN SECTION 611 OF THE STANDARD SPECIFICATIONS. IF THE CONTRACT UNIT PRICE IS NOT INCLUDED IN THIS CONTRACT, PAYMENT FOR THIS WORK WILL BE IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
2. THE DIAMETER OF THE PROPOSED STORM SEWER SHALL BE EQUAL TO OR GREATER THAN THE EXISTING FIELD TILE.
3. ALL EXISTING FIELD TILE SHALL BE REPLACED WITH STORM SEWER OF THE TYPE REQUIRED FOR BY THE DEPTH OF COVER. THE LINEAL METER MEASUREMENT WILL BE ALONG THE CENTROIDAL AXIS AND INCLUDE ALL BENDS, ELBOWS, OR PIPE TEE'S WHICH ARE REQUIRED.
4. THE REINFORCED CONCRETE LID SHALL BE CLASS SI CONCRETE (MISCELLANEOUS) OR PRECAST REINFORCED CONCRETE.
5. ALL HARDWARE, WELDED WIRE FABRIC, RODENT SCREENS AND OTHER REINFORCEMENT AND ANCHORS AS SHOWN OR AS DIRECTED BY THE ENGINEER SHALL BE INCLUDED IN THE COST FOR MISCELLANEOUS CONCRETE.

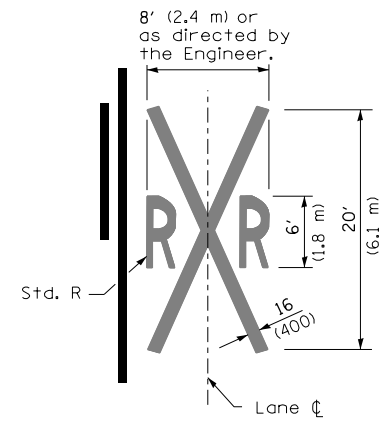
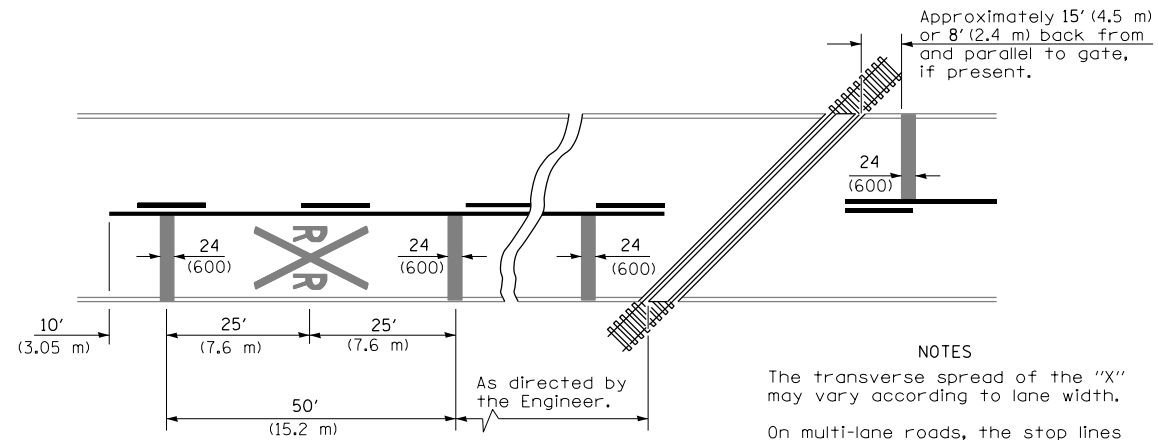


ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME =	USER NAME = whitlingme	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>FIELD TILE REPLACEMENT</b>		F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		DATE - FEBRUARY 15, 2000	REVISED -				CONTRACT NO. 72F27			ILLINOIS FED. AID PROJECT	
PLOT SCALE = 40.000' / in.				SCALE:		SHEET 1 OF 1 SHEETS	STA.	TO STA.			



LANE AND EDGE LINES



**NOTES**

The transverse spread of the "X" may vary according to lane width.

On multi-lane roads, the stop lines shall extend across all approach lanes and separate RXR symbols shall be placed adjacent to each other in each lane.

When the pavement marking symbol is used, a portion of the symbol should be located directly adjacent to the Advance Warning Sign (W10-1) as placed by Table II-1, condition B of the MUTCD.

PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

All dimensions are in inches (millimeters) unless otherwise shown.

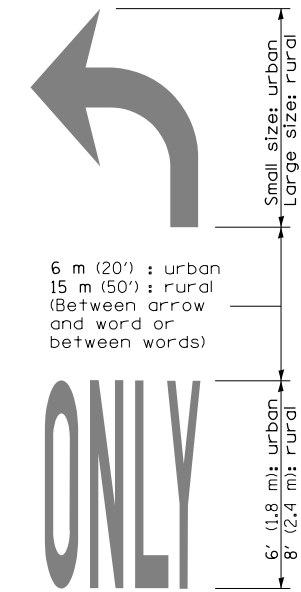
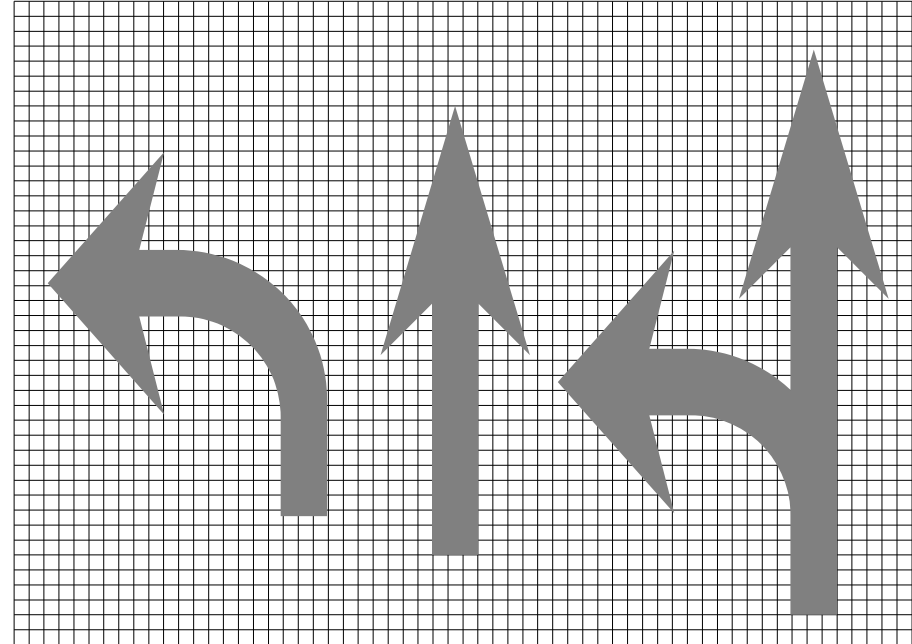
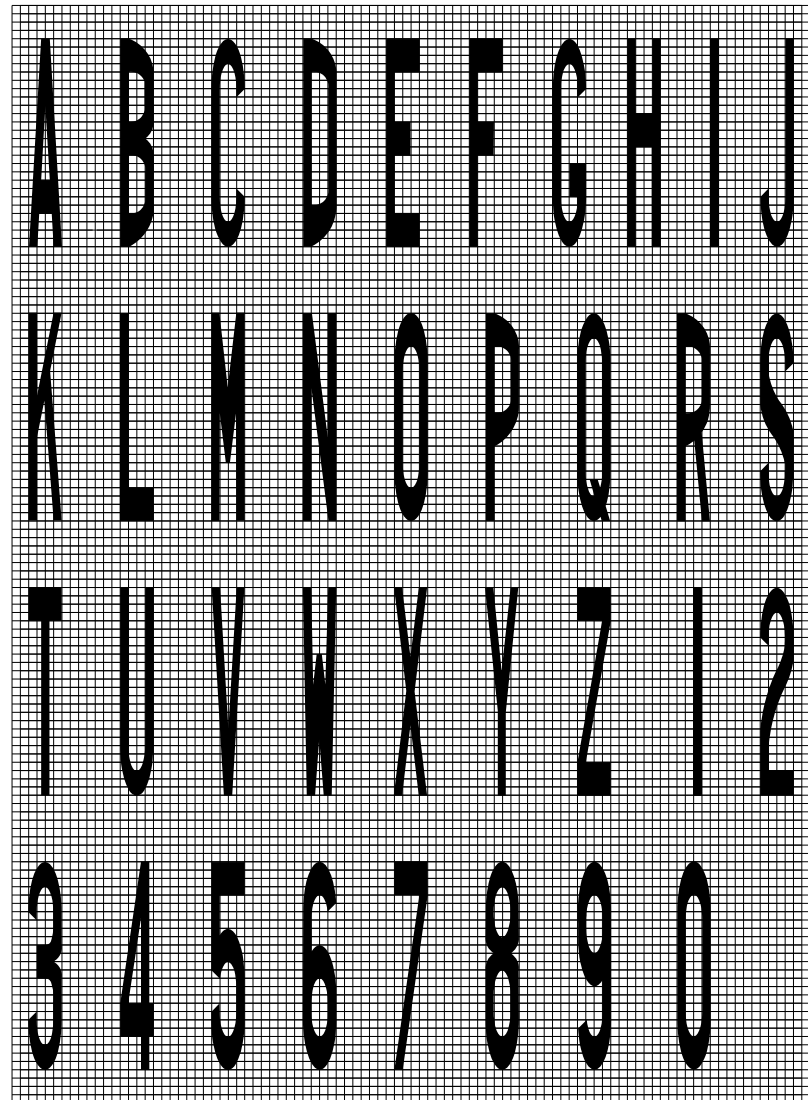
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Default		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL PAVEMENT  
MARKINGS

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	118
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				

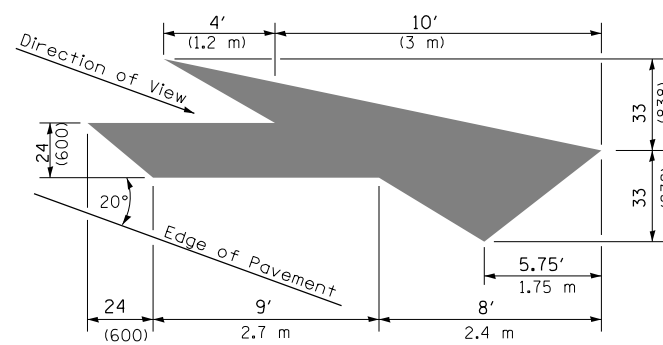


WORD AND ARROW LAYOUT

Legend Height	Arrow Size	a
1.8 m (6')	Small	74 (2.9)
2.4 m (8')	Large	96 (3.8)

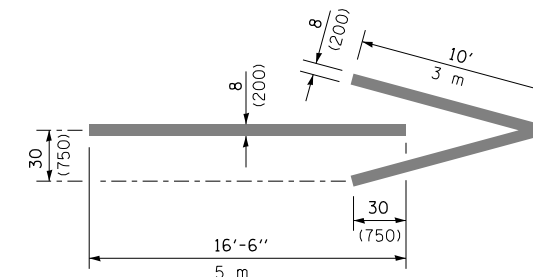
The space between adjacent letters or numerals should be approximately 75 (3) for 1.8 m (6') legend and 100 (4') for 2.4 m (8') legend.

LETTER AND ARROW GRID SCALE



LANE DROP ARROW

Right lane drop arrow shown.  
Use mirror image for left lane.



WRONG WAY ARROW

All dimensions are in inches (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = whitlingm	DESIGNED -	REVISED -
p:\planroom.dot\illinois.gov\PIDOT\Documents\IDOT Offices\District 6\Projects\D672F27\Drawings\Detail\Detail\Sheets\D672F27\Detail-D6_PAVEMENT_MARKINGS.dgn		DRAWN -	REVISOR -
Default 780001A.DGN	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 5/11/2020	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TYPICAL PAVEMENT  
MARKINGS

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1645	(B) CR	SANGAMON	119	119
CONTRACT NO. 72F27				
ILLINOIS FED. AID PROJECT				