

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	21BR-1	MCLEAN	54	1
		ILLINOIS	CONTRACT NO. 70576	

FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES, SEE SHEET NO. 4 - 5

PROPOSED HIGHWAY PLANS

**CURRENT TRAFFIC DATA
E.A.P. 693 (IL.9)**

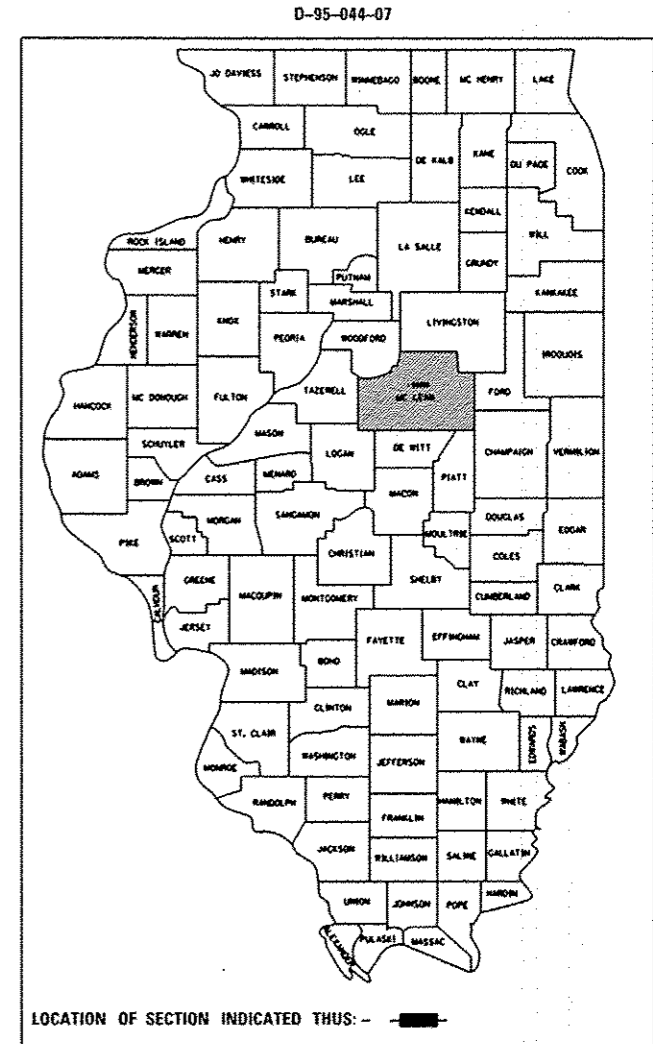
2016	ADT	1700
PV%	87.7	1490
SU%	4.7	80
MU%	7.6	130

F.A.P. ROUTE 693 (IL 9)
SECTION 21BR-1
PROJECT ACF-0693(072)
CULVERT (NEW)
MCLEAN COUNTY



C-95-044-07

MACKINAW CREEK 9.6 MILES E. OF IL. 165

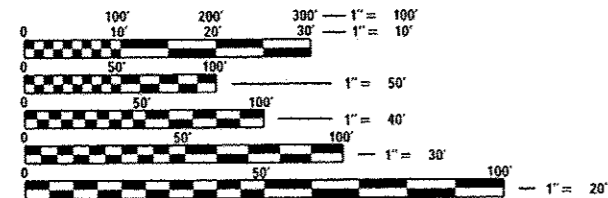


DESIGN DESIGNATION
MINOR ARTERIAL

EXISTING S.N. 057-0139 AT STA. 1609+00.00
CARRYING ILLINOIS ROUTE 9 OVER MACKINAW
CREEK TO BE REMOVED AND REPLACED.
PROPOSED S.N. 057-2042 AT STA. 1609+00.00
WILL BE A DOUBLE 12'X6'X49' BOX CULVERT
WITH CAST IN PLACE END SECTIONS AT 0° SKEW

PROJECT ENDS: STA. 1609+29.00

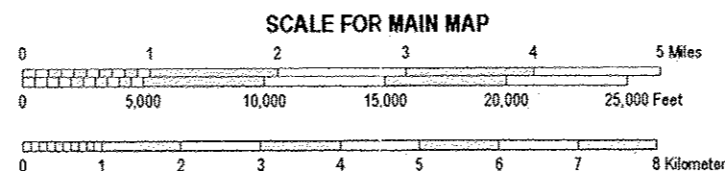
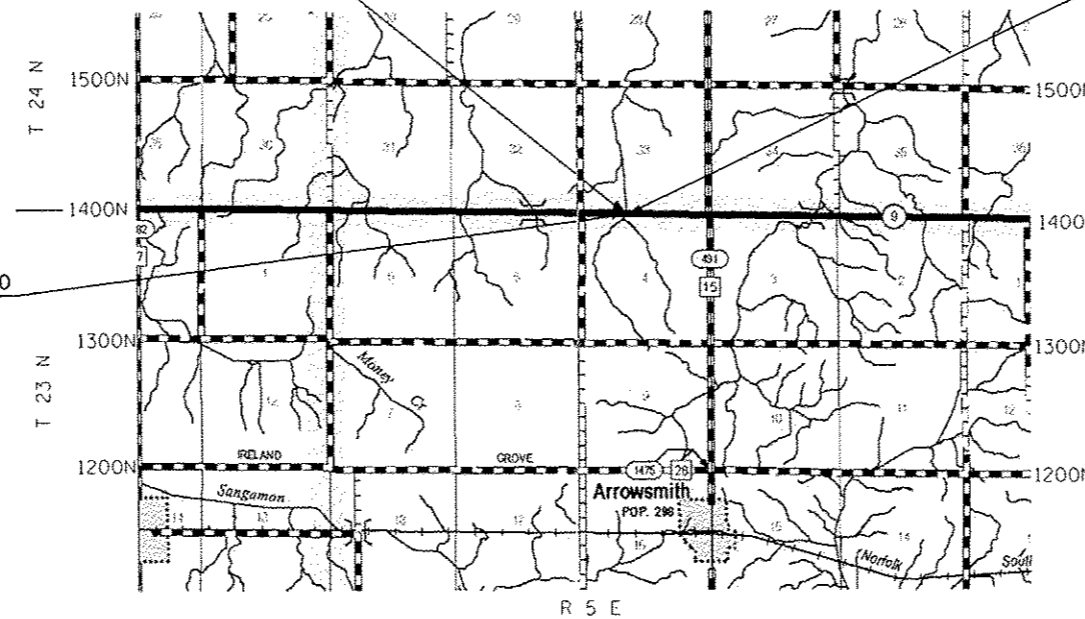
PROJECT BEGINS: STA. 1608+71.00



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

TOWNSHIPS: ARROWSMITH, MARTIN
PROJECT ENGINEER: JASON STULTS
SQUAD LEADER: GREG EAGLIN
DESIGNER: MATTHEW MURPHY
PHONE: 217-465-4181
CONTRACT NO. 70576



GROSS LENGTH = 58.00 FT. = 0.011 MILE
NET LENGTH = 58.00 FT. = 0.011 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED October 18, 2016

Jason Stults
REGION THREE ENGINEER

December 9, 2016
Matthew M. Murphy
ENGINEER OF DESIGN AND ENVIRONMENT

December 9, 2016
Jason Stults
DIRECTOR OF PROGRAM DEVELOPMENT

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

INDEX OF SHEETS

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2	INDEX OF SHEETS
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LIST OF STANDARDS

STANDARD NO.	NAME OF STANDARD
000001-06	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
420701-03	PAVEMENT WELDED WIRE REINFORCEMENT
442101-07	CLASS B PATCHES
515001-03	NAME PLATE FOR BRIDGES
542401-02	METAL END SECTION FOR PIPE CULVERT
630001-11	STEEL PLATE BEAM GUARDRAIL
630101-10	STRONG POST GUARDRAIL ATTACHED TO CULVERT
630301-07	SHOULDER WIDENING FOR TYPE 1, (SPECIAL) GUARDRAIL TERMINALS
666001-01	RIGHT-OF-WAY MARKERS
667101-02	PERMANENT SURVEY MARKERS
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5 m) TO 24" (600mm) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701901-06	TRAFFIC CONTROL DEVICES
725001-01	OBJECT AND TERMINAL MARKERS
780001-05	TYPICAL PAVEMENT MARKINGS
782006	GUARDRAIL AND BARRIER WALL REFLECTOR MOUNTING DETAILS

FILE NAME =	USER NAME = oerlockjd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS LIST OF STANDARDS	F.A.P. RTE. 693	SECTION 218R-1	COUNTY MCLEAN	TOTAL SHEETS 54	SHEET NO. 2
#MODEL NAME #	PLOT DATE = 12/18/2016	CHECKED -	REVISED -	SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT CONTRACT NO. 70576				

GENERAL NOTES

G.N.-100
ENGLISH UNITS OF MEASUREMENT SHALL GOVERN OVER AND SUPERSEDE ANY METRIC UNITS SHOWN IN THIS CONTRACT. WHERE INCLUDED, METRIC UNITS ARE FOR INFORMATION ONLY.

G.N.-100A
ELECTRONIC FILES AND/OR ELECTRONIC SURVEY INFORMATION INCLUDING CADD FILES WILL NOT BE AVAILABLE TO THE CONTRACTOR.

G.N.-105.09A
ALL ELEVATIONS SHOWN IN THE PLANS ARE BASED ON NORTH AMERICAN VERTICAL DATUM OF 1988. (NAVD 88)

G.N.-107.37
UTILITY LINES WERE PLOTTED FROM INFORMATION FURNISHED BY THE VARIOUS UTILITY COMPANIES INVOLVED (QUALITY LEVEL C &/OR QUALITY LEVEL D) AND THE ACCURACY SHOULD BE CONSIDERED APPROXIMATE ONLY.

UTILITY COMPANIES MAY BE ADJUSTING THEIR FACILITIES DURING CONSTRUCTION. THE CONTRACTOR SHALL COOPERATE WITH THESE ORGANIZATIONS WHILE THESE ADJUSTMENTS ARE BEING PERFORMED. J.U.L.I.E. - JOINT UTILITY LOCATION INFORMATION FOR EXCAVATORS SYSTEM (800)892-0123 OR 811.

G.N.-280
TEMPORARY EROSION CONTROL SEEDING IS INCLUDED IN THIS CONTRACT TO SEED DISTURBED EARTH DURING TIME PERIODS WHEN PERMANENT SEEDING IS NOT ALLOWED. SOME OR ALL OF THE TEMPORARY EROSION CONTROL SEEDING WILL BE DELETED IF IT IS POSSIBLE TO PLACE PERMANENT SEEDING ON EARTH AT THE TIME OF THEIR COMPLETION.

G.N.-280A
THE MULCH PAY ITEM IN THE PLANS INCLUDES QUANTITIES FOR TEMPORARY MULCH FOR EROSION CONTROL. THE TEMPORARY MULCH INCLUDES MAINTENANCE AND REMOVAL IF NECESSARY PER THE REQUIREMENTS OF ARTICLE 280 OF THE STANDARD SPECIFICATIONS, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. SOME OR ALL OF THE MULCH USED AS TEMPORARY EROSION CONTROL WILL BE DELETED IF IT IS NOT NECESSARY DUE TO ESTABLISHMENT OF PERMANENT SEEDING.

G.N.-540
THE CONTRACTOR SHALL ASSEMBLE AND MATCH-MARK THE PRECAST BOX CULVERT SECTIONS AND END THE SECTIONS PRIOR TO SHIPMENT OF THESE COMPONENTS FROM THE MANUFACTURER, AND AS DIRECTED BY ENGINEER IN ORDER TO SECURE A PROPER FIT ON EACH JOINT. ANY SECTIONS OR END SECTIONS WHICH DO NOT PROVIDE A PROPER FIT AT THE JOINT SHALL BE REJECTED BY THE ENGINEER AND REPLACED BY THE CONTRACTOR WITH NO ADDITIONAL COMPENSATION BEING ALLOWED.

THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER FOOT FOR PRECAST CONCRETE BOX CULVERTS OF THE SIZE SPECIFIED.

G.N.- 542
BEFORE ORDERING PIPE CULVERTS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR THE EXACT PIPE LENGTHS.

G.N.- 542B
ALL THE ENTRANCE CULVERT LENGTHS SHOWN IN THE PLANS WERE CALCULATED WITH THE ASSUMPTION THAT METAL PIPES AND METAL END SECTIONS WOULD BE USED.

G.N.-667
THE RESIDENT ENGINEER SHALL CONTACT THE PROGRAM DEVELOPMENT CHIEF OF SURVEYS PRIOR TO THE PRE-CONSTRUCTION CONFERENCE FOR INSTRUCTION AS TO SETTING OF TEMPORARY OR PERMANENT TIES FOR CENTERLINE ALIGNMENT CONTROL SURVEY MARKERS (PC'S, PT'S, AND PI'S). PROJECT IMPLEMENTATION PERSONNEL WILL BE RESPONSIBLE FOR LAYOUT OF THESE MARKERS.

G.N.-1004.01
COARSE AGGREGATE GRADATION CA-10 MAY BE USED WHENEVER COARSE AGGREGATE CA-6 IS SPECIFIED IN THE STANDARD SPECIFICATIONS.

G.N.-Z0038
AN ALUMINUM TABLET OF THE TYPE SHOWN ON STANDARD 667101 SHALL BE PLACED ON THE PROPOSED STRUCTURE AS DIRECTED BY THE ENGINEER. THE BENCH MARK ELEVATION WILL BE ESTABLISHED AND MARKED BY THE DEPARTMENT. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR PERMANENT BENCH MARKS.

COMMITMENTS
THERE ARE NO COMMITMENTS FOR THIS CONTRACT.

BENCHMARK DESCRIPTIONS

BM: 4745-1 ELEVATION: 868.30

BM IS LOCATED IN THE SW QUADRANT OF THE INTERSECTION OF CH 17 AND IL. 9 SAID BM IS A 5' IRON PIN WITH AN ALUMUNUM IDOT CAP. BM IS 4.7 FEET FROM A CHISELED "X" LOCATED IN THE TOP OF THE CURB. STA.IL 9= 1811+49.3 / 35.11' LT. CH 17= 19+65.02 / 28.58' LT.

BM: 4745-2 ELEVATION: 872.17

TO REACH FROM THE INTERSECTION OF CH 17 AND IL 9 GO WEST ON IL 9 FOR 0.12 MILES TO MARK ON THE RIGHT. SAID BM IS A 5' IRON PIN WITH AN ALUMINUM IDOT CAP. BM IS LOCATED 15' WEST OF A FIELD ENTRANCE TO A CELL TOWER. STA= 1817+66.17 / 33.8' RT.

BM: 4745-3 ELEVATION: 873.50

TO REACH FROM THE INTERSECTION OF IL. 9 AND CH 17 GO EAST ON IL 9 FOR 0.29 MILES TO BM ON THE LEFT. SAID BM IS THE SOUTH BOLT OF A CAPPED WELL. THE WELL IS LOCATED 110' WEST OF A PRIVATE ENTRANCE. STATION 1795+72.21 / 45.12' RT.

BM: 4826-1 ELEVATION: 836.28

CHISELED SQUARE SOUTH BRIDGE CURB STRUCTURE # 057-0139, STA:1608+98.59 / 17.04' LT.

FILE NAME :	USER NAME : Murphy	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES BENCHMARK DESCRIPTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT SCALE = 48.0000 ' / in.		CHECKED -	REVISED -			CONTRACT NO. 70576					
MODELNAME#	PLOT DATE = 10/19/2016	DATE -	REVISED -			SCALE:	SHEET 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES

SHEET 1 OF 2

LOCATION OF WORK: FAP 693 (IL. 9)
 2 LANE RURAL
 COUNTY: MCLEAN COUNTY
 STA. 1608+71.00
 STA. 1609+29.00
 FUNDING BREAKOUT: 80% FEDERAL
 20% STATE
 CONSTRUCTION CODE: 0004

LOCATION OF WORK: FAP 693 (IL. 9)
 2 LANE RURAL
 COUNTY: MCLEAN COUNTY
 STA. 1608+71.00
 STA. 1609+29.00
 FUNDING BREAKOUT: 80% FEDERAL
 20% STATE
 CONSTRUCTION CODE: 0004

CODE #	ITEM	UNIT	TOTAL QUANTITY
20200100	EARTH EXCAVATION	CU YD	505.0
20300100	CHANNEL EXCAVATION	CU YD	155.0
20700220	POROUS GRANULAR EMBANKMENT	CU YD	219.0
20800150	TRENCH BACKFILL	CU YD	6.5
21301052	EXPLORATION TRENCH 52" DEPTH	FOOT	100.0
25000210	SEEDING, CLASS 2A	ACRE	1.5
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	135.0
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	135.0
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	135.0
25100115	MULCH, METHOD 2	ACRE	3.0
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	150.0
28000305	TEMPORARY DITCH CHECKS	FOOT	150.0
28000400	PERIMETER EROSION BARRIER	FOOT	321.0
28000500	INLET & PIPE PROTECTION	EACH	1.0

14 •SPECIALTY ITEM

CODE #	ITEM	UNIT	TOTAL QUANTITY
28100107	STONE RIPRAP, CLASS A4	SQ YD	176.0
28200200	FILTER FABRIC	SQ YD	176.0
44200050	WELDED WIRE REINFORCEMENT	SQ YD	168.0
44200944	CLASS B PATCHES, TYPE IV, 8 INCH	SQ YD	168.0
44201299	DOWEL BARS 1-1/2"	EACH	44.0
44213200	SAW CUTS	FOOT	52.0
44213204	TIE BARS 3/4"	EACH	29.0
48101500	AGGREGATE SHOULDER, TYPE B, 6"	SQ YD	39.0
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	45.0
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1.0
50105220	PIPE CULVERT REMOVAL	FOOT	30.0
51500100	NAME PLATES	EACH	1.0
54001001	BOX CULVERT END SECTIONS CULVERT NO. 1	EACH	2.0
54011206	PRECAST CONCRETE BOX CULVERTS 12' X 6'	FOOT	92.0

14 •SPECIALTY ITEM

FILE NAME *	USER NAME = Murphym	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT SCALE = 1/8" = 1' in.		CHECKED -	REVISED -			CONTRACT NO. 70576					
PLOT DATE = 10/19/2016		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

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

SUMMARY OF QUANTITIES

SHEET 2 OF 2

LOCATION OF WORK: FAP 693 (IL. 9)
 2 LANE RURAL
 COUNTY: MCLEAN COUNTY
 STA. 1608+71.00
 STA. 1609+29.00
 FUNDING BREAKOUT: 80% FEDERAL
 20% STATE
 CONSTRUCTION CODE: 0004

LOCATION OF WORK: FAP 693 (IL. 9)
 2 LANE RURAL
 COUNTY: MCLEAN COUNTY
 STA. 1608+71.00
 STA. 1609+29.00
 FUNDING BREAKOUT: 80% FEDERAL
 20% STATE
 CONSTRUCTION CODE: 0004

CODE #	ITEM	UNIT	TOTAL QUANTITY
54215550	METAL END SECTIONS 15"	EACH	4.0
54200220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	28.0
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	275.0
63000007	STEEL PLATE BEAM GUARDRAIL, TYPE B, 6 FOOT POSTS	FOOT	100.0
63000030	STRONG POST GUARDRAIL ATTACHED TO CULVERT	FOOT	50.0
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4.0
63200310	GUARDRAIL REMOVAL	FOOT	412.0
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	8.0
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	5.0
67100100	MOBILIZATION	L SUM	1.0
72501000	TERMINAL MARKER-DIRECT APPLIED	EACH	4.0
78001110	PAINT PAVEMENT MARKING-LINE 4"	FOOT	1350.0
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	8.0
X0322128	MEMBRANE WATERPROOFING FOR BURRIED STRUCTURES	SQ YD	142.0

CODE #	ITEM	UNIT	TOTAL QUANTITY
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1.0
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	14.0
Z0013798	CONSTRUCTION LAYOUT	L SUM	1.0
Z0038700	PERMANENT BENCH MARKS	EACH	1.0

*SPECIALTY ITEM

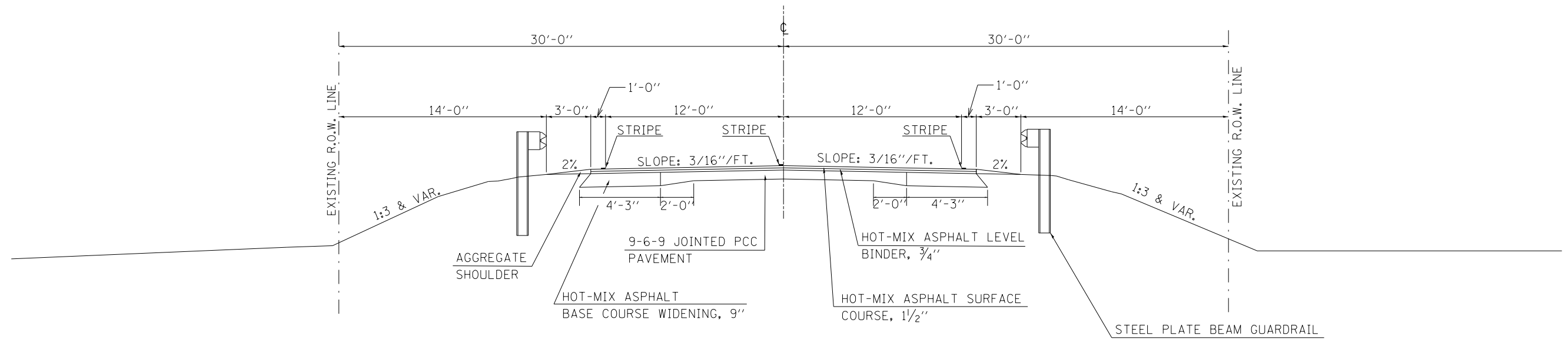
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pw:\IL0846BIDINTEG\Illinois.gov\FWIDOT\Documents\IDOT Offices\District 5\Projects\0508\CRAN\Drawings\Design\0978976-shr-schedule.dwg		CRAN		DEPARTMENT OF TRANSPORTATION		693	21BR-1	MCLEAN	54	5
MODEL NAME *	PLOT SCALE = 1/8" = 1' / in.	CHECKED -	REVISED -		SCALE:				CONTRACT NO. 70576	
	PLOT DATE = 10/18/2016	DATE -	REVISED -		SHEET 2 OF 2 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

STEEL PLATE BEAM GUARDRAIL LIMITS
 STA. LT. 1607+91 TO LT. 1608+90.5
 STA. LT. 1609+10 TO LT. 1609+97.5

Ⓐ EXISTING ROADWAY TYPICAL SECTION

STATION 1606+00.00 TO STATION 1608+91.00 Ⓐ
 STATION 1609+09.00 TO STATION 1612+00.00 Ⓑ

STEEL PLATE BEAM GUARDRAIL LIMITS
 STA. RT. 1607+91 TO RT. 1608+90.5
 STA. RT. 1609+10 TO RT. 1609+97.5

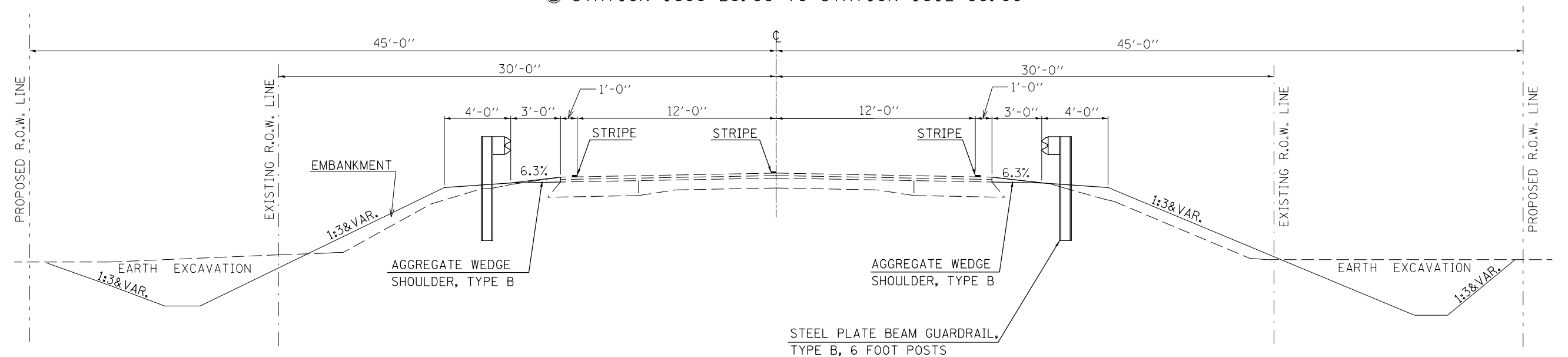


STEEL PLATE BEAM GUARDRAIL LIMITS
 STA. LT. 1607+75.00 TO LT. 1610+87.50

Ⓛ PROPOSED ROADWAY TYPICAL SECTION

STATION 1606+00.00 TO STATION 1608+71.00 Ⓛ
 STATION 1609+29.00 TO STATION 1612+00.00 Ⓜ

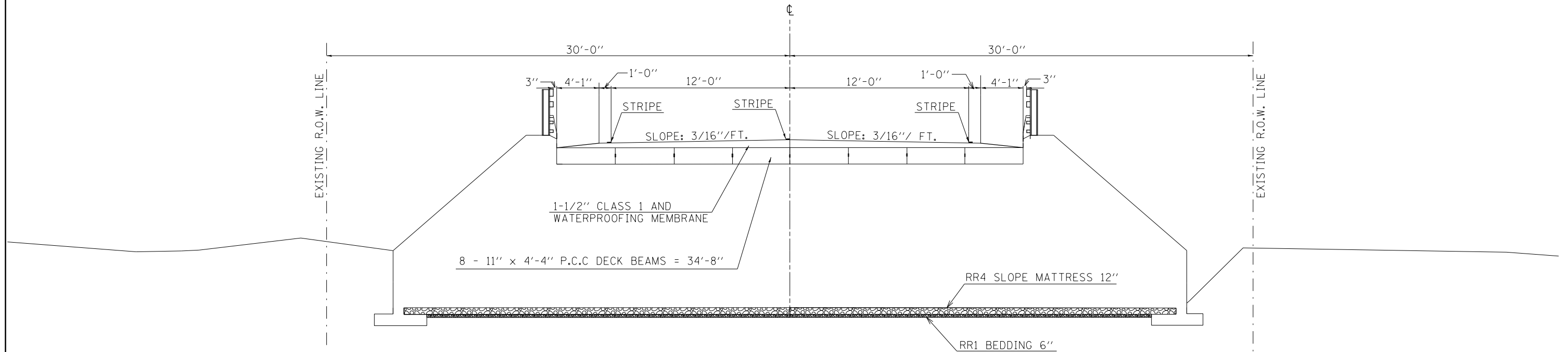
STEEL PLATE BEAM GUARDRAIL LIMITS
 STA. RT. 1607+12.50 TO RT. 1610+25.00



FILE NAME =	USER NAME = ceerlockjd	DESIGNED - MWM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS		F.A.P. RTE. 693	SECTION 21BR-1	COUNTY MCLEAN	TOTAL SHEETS 54	SHEET NO. 6	
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			REVISED -									
			REVISED -									

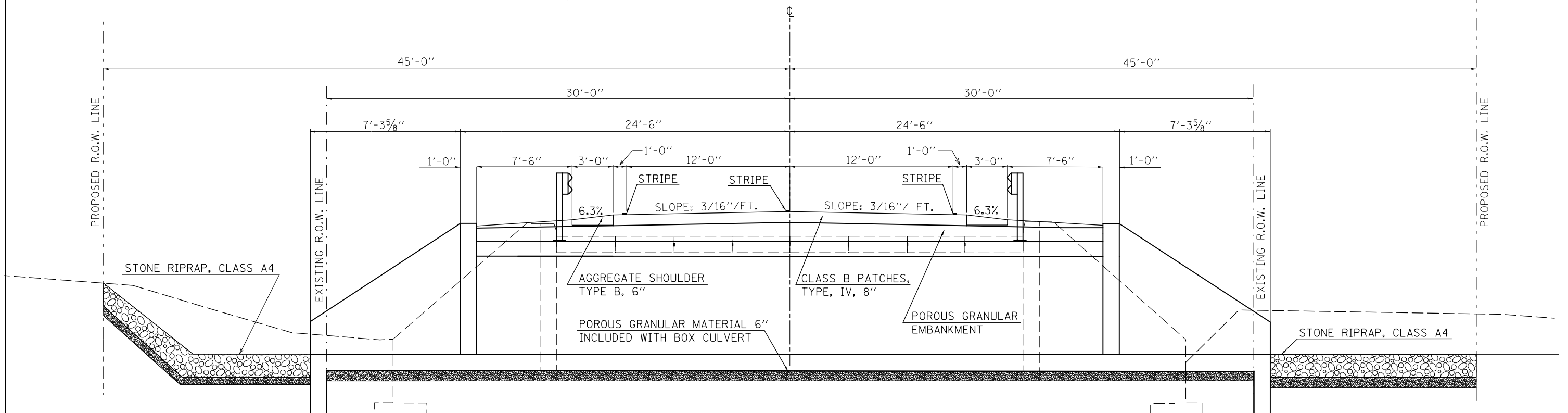
B EXISTING ROADWAY TYPICAL SECTION AT BRIDGE

A STATION 1608+91.00 TO STATION 1609+09.00 A



2 PROPOSED ROADWAY TYPICAL SECTION AT BOX CULVERT

1 STATION 1608+71.00 TO STATION 1609+29.00 1



FILE NAME =	USER NAME = ceerlockjd	DESIGNED - MWM	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS	F.A.P. RTE. 693	SECTION 21BR-1	COUNTY MCLEAN	TOTAL SHEETS 54	SHEET NO. 7
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PLOT SCALE = 40.0000' / in.	CHECKED -	DATE -	REVISED -		SHEET NO. 2 OF 2 SHEETS				ILLINOIS FED. AID PROJECT	

SCHEDULE OF QUANTITIES

542D0220 PIPE CULVERTS, CLASS D, TYPE 1 15"

STATION	OFFSET	FOOT
1609+51.08	28.00'	28.0
TOTAL:		28.0

54215550 METAL END SECTION 15"

STATION	OFFSET	EACH
1609+23.97	58.38' LT.	2.0
1611+36.08	26.00' RT.	1.0
1611+64.08	26.00 RT.	1.0
TOTAL:		4.0

66600105 FURNISH AND ERECT RIGHT OF WAY MARKERS

OFFSET	STATION	EACH
30.0' RT.	1605+22.00	1.0
30.0' LT.	1605+22.00	1.0
45.0' RT.	1605+22.00	1.0
45.0' RT.	1605+22.00	1.0
45.0' RT.	1612+38.00	1.0
45.0' RT.	1612+38.00	1.0
30.0' RT.	1612+38.00	1.0
30.0' LT.	1612+38.00	1.0
TOTAL:		8.0

78001110 PAINT PAVEMENT MARKING LINE 4"

EDGE LINE	STATION	OFFSET	TO	STATION	OFFSET	FOOT
	1606+00.00	RT.		1612+00.00	RT.	600.0
	1606+00.00	LT.		1612+00.00	LT.	600.0
SKIP DASH	1606+00.00	CL		1612+00.00	CL.	150.0
TOTAL:						1350.0

Z0038700 PERMENANT BENCH MARKS

STATION	OFFSET	EACH
1608+86.40	LT. 19.5'	1.0
TOTAL:		1.0

EARTH WORK TABLES

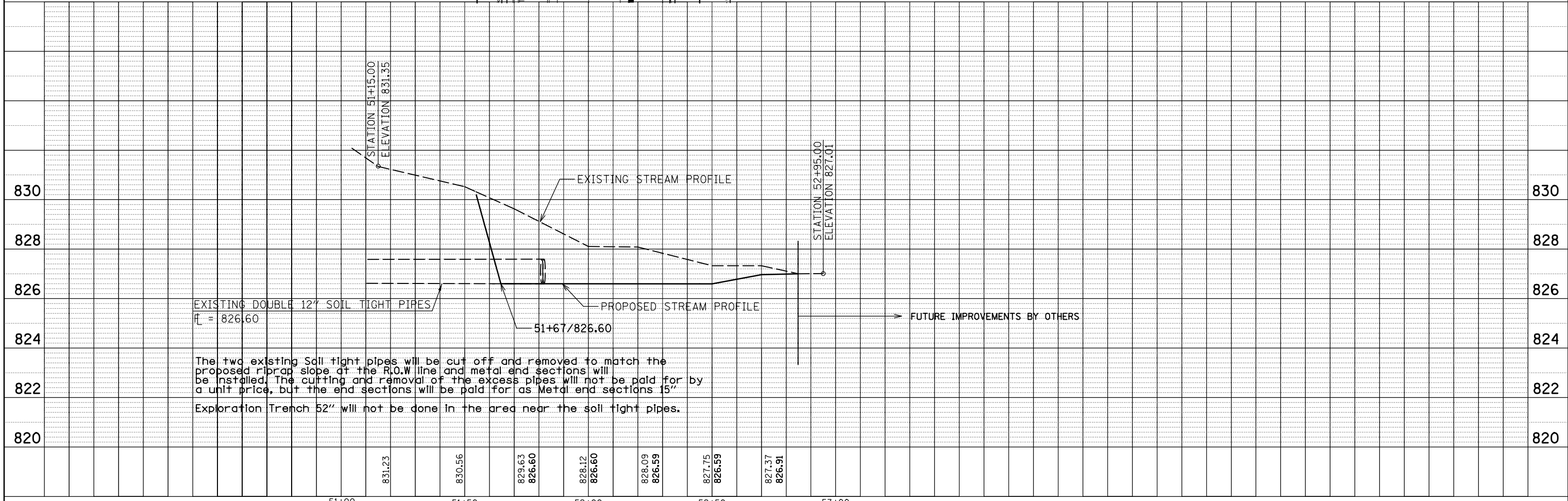
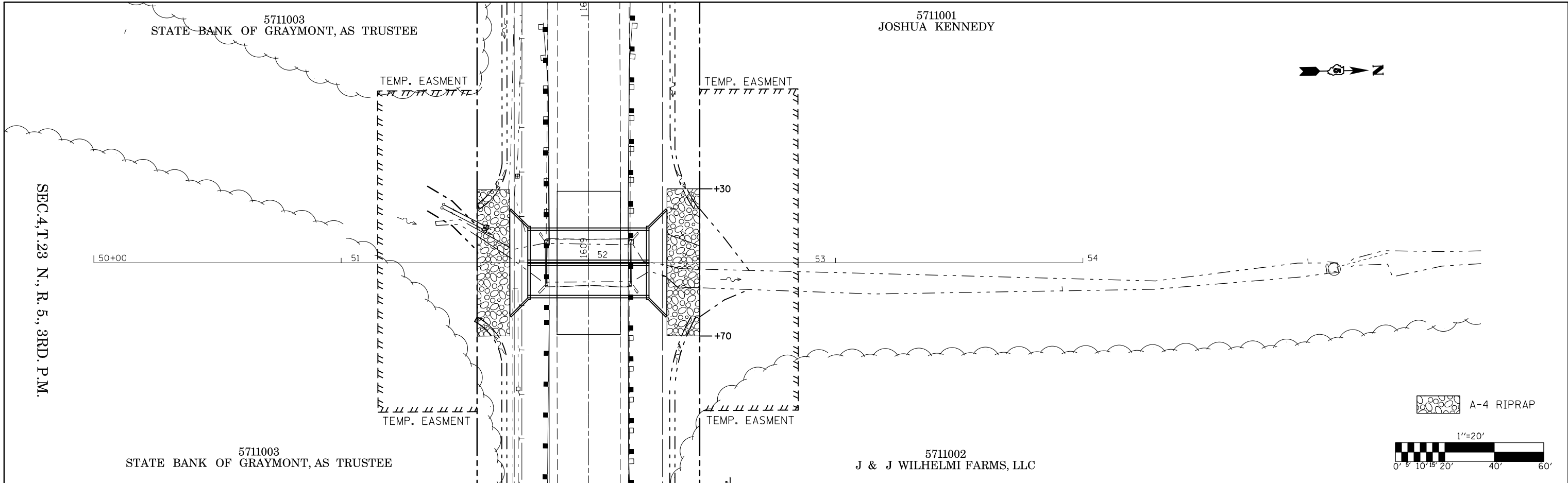
LOCATION	20200100 EARTH EXCAVATION (CUT)	SHRINKAGE 25%	FILL	WASTE
RT. 1606+00.00 TO RT. 1608+50.00	73.00	54.75	104.60	-49.85
RT. 1609+50.00 TO RT. 1611+50.00	142.40	106.80	50.90	55.90
LT. 1606+00.00 TO LT. 1608+50.00	167.00	125.25	89.10	36.15
LT. 1608+50.00 TO LT. 1611+34.50	122.50	91.88	84.10	7.78
TOTAL CU. YDS.:		504.90		49.98
USE:		505.0	329.0	50.0

NOTES:
 THE SHRINKAGE FACTOR IS 25% .
 SHRINKAGE AND WASTE ARE USED FOR INFORMATION ONLY.

LOCATION	20300100 CHANNEL EXCAVATION	SHRINKAGE 25%	(FILL)	WASTE
LT.51+15.00 TO LT.52+95.00	155.00	116.25	5.00	111.25
TOTAL CU. YDS.:		155.00	5.0	111.0

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

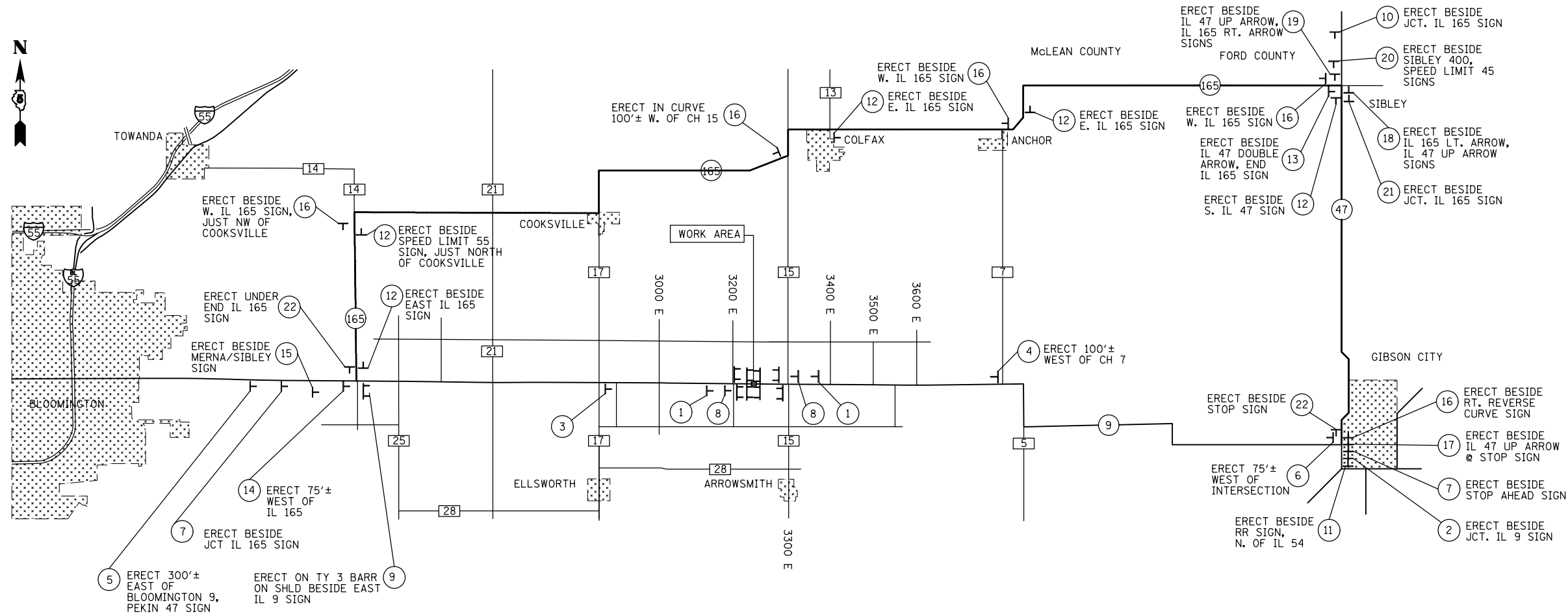
PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CHKD	
	NO.	



FILE NAME =	USER NAME = ceorlockjd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN & PROFILE SHEET MACKINAW CREEK	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL084EBIDINTEG.allinois.gov\PWIDOT\Documents\IDOT Offices\District 5\Projects\050440\DRAMA\Design\0570576-sht-plnprf.dgn	DRAMA	REVISED -	REVISED -			693	21 BR-1	MCLEAN	54	11
MODELNAMEs	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 70576				
	PLOT DATE = 10/18/2016	DATE -	REVISED -			SCALE: 1" = 40'		SHEET 2 OF 2 SHEETS		STA. 51+05.00 TO STA. 52+95.00

ILLINOIS FED. AID PROJECT

DETOUR SIGNING DETAIL



NOTES:

1. IL 9 SHALL NOT BE CLOSED UNTIL ALL DETOUR SIGNING IS ERECTED AND APPROVED BY THE ENGINEER.
2. ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE DETOUR IS IN EFFECT SHALL BE COMPLETELY COVERED BY THE CONTRACTOR. COSTS FOR COVERING EXISTING SIGNS SHALL BE INCLUDED IN THE COST FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL).
3. AS A MINIMUM, ALL AMBER FLASHING LIGHTS THAT ARE REQUIRED FOR THE DETOUR SIGNING SHALL MEET THE REQUIREMENTS FOR TYPE A-LOW INTENSITY FLASHING LIGHTS PER ARTICLE 1084.01 OF THE STANDARD SPECIFICATIONS. ALL LIGHTS SHALL OPERATE DURING HOURS OF DARKNESS. ONLY LIGHTS THAT HAVE BEEN APPROVED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE USED.
4. ALL TYPE III BARRICADES SHALL BE IN ACCORDANCE WITH STD 701901 AND SHALL BE EQUIPPED WITH TWO (2) APPROPRIATE R11-2 AND R11-3 SIGNS AND FLASHING AMBER LIGHTS.
5. FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.
6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ERECTING THE SIGNING OF THE ROAD CLOSURE AS SHOWN ON THIS SHEET. PRIOR TO CLOSING THE ROAD, THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE ROAD CLOSURE WITH THE DISTRICT BUREAU OF OPERATIONS.
7. TRAFFIC CONTROL SHOWN WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER LUMP SUM FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL).
8. IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON AN NCHRP 350 TEMPORARY SIGN SUPPORT DIRECTLY IN FRONT OF THE BARRICADE.
9. SEE DISTRICT DETAIL 70200000 - TRAFFIC CONTROL & PROTECTION (ROAD & SIDEROAD/STREET CLOSURES) FOR ADDITIONAL INFORMATION ON SIGN SPACING.

 W20-3(O)-48 POST MOUNTED W/LIGHT SIGN PANEL 1	 W20-3(O)-48 M5-1R POST MOUNTED SIGN PANEL 2	 W20-3(O)-48 W16-3A(O) POST MOUNTED SIGN PANEL 3	 W20-3(O)-48 W16-3A(O) POST MOUNTED SIGN PANEL 4	 W20-3(O)-48 W16-3A(O) POST MOUNTED SIGN PANEL 5	 W20-3(O)-48 W16-3A(O) POST MOUNTED SIGN PANEL 6	 W20-2(O)-48 POST MOUNTED SIGN PANEL 7	 W21-1100(O)-48 POST MOUNTED W/LIGHT SIGN PANEL 8	 R11-3A 6030(O) MOUNTED TO NCHRP-350 APPROVED DEVICE & TYPE III BARRICADE SIGN PANEL 9	 R11-3A 6030(O) MOUNTED TO NCHRP-350 APPROVED DEVICE & TYPE III BARRICADE SIGN PANEL 10		
 R11-3A 6030(O) MOUNTED TO NCHRP-350 APPROVED DEVICE & TYPE III BARRICADE SIGN PANEL 11	 M4-8 M3-2 M1-5 POST MOUNTED SIGN PANEL 12	 M4-8 M3-2 M1-5 M6-1 POST MOUNTED SIGN PANEL 13	 M4-8 M3-2 M1-5 M6-1 POST MOUNTED SIGN PANEL 14	 M4-8 M3-2 M1-5 M5-1L POST MOUNTED SIGN PANEL 15	 M4-8 M3-4 M1-5 POST MOUNTED SIGN PANEL 16	 M4-8 M3-4 M1-5 M6-3 POST MOUNTED SIGN PANEL 17	 M4-8 M3-4 M1-5 M6-1 POST MOUNTED SIGN PANEL 18	 M4-8 M3-4 M1-5 M6-1 POST MOUNTED SIGN PANEL 19	 M4-8 M3-4 M1-5 M5-1R POST MOUNTED SIGN PANEL 20	 M4-8 M3-4 M1-5 M5-1L POST MOUNTED SIGN PANEL 21	 M4-8E POST MOUNTED SIGN PANEL 22

SEEDING AND EROSION CONTROL PLAN

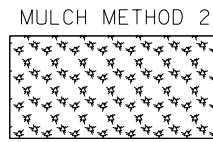
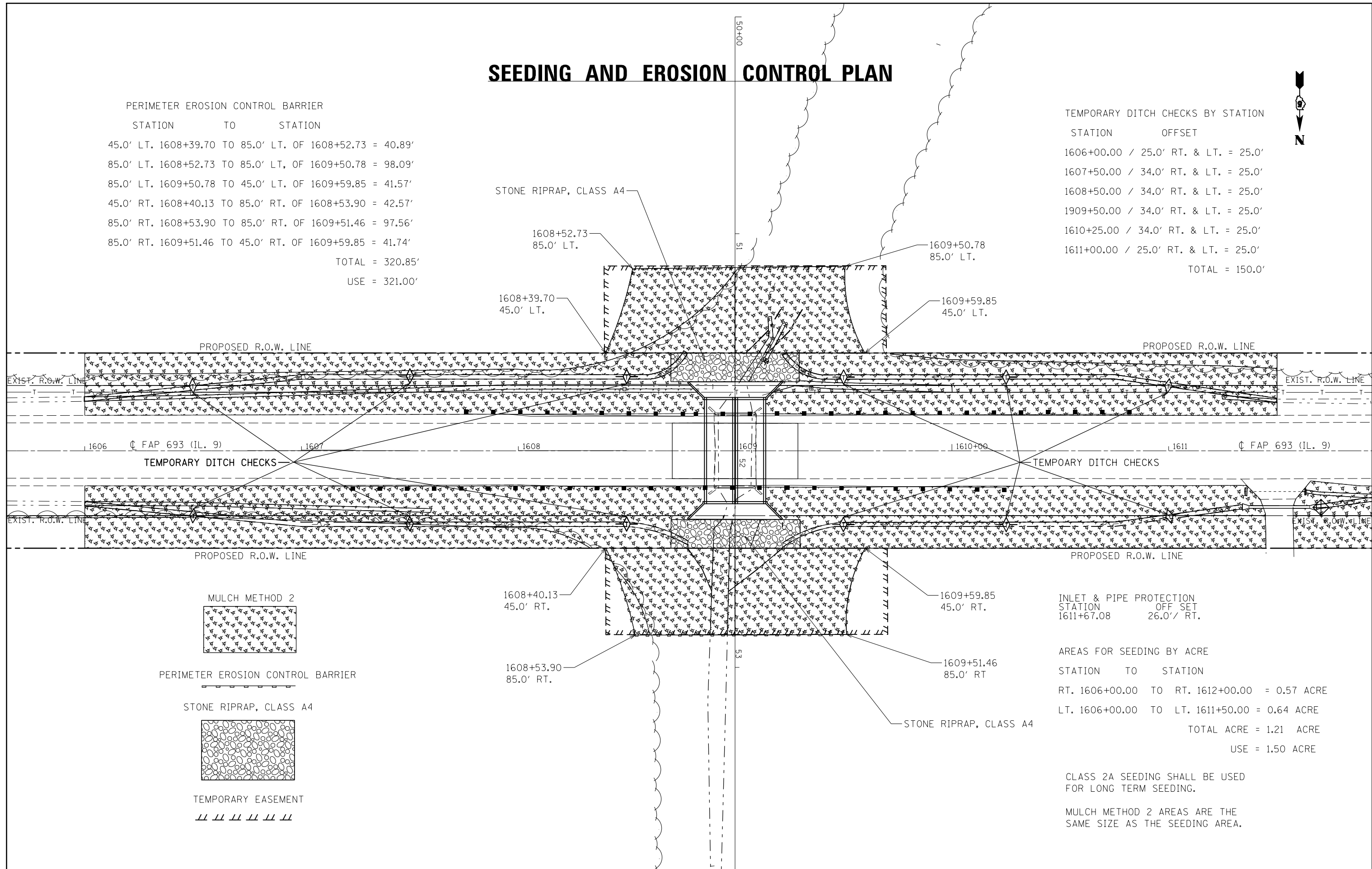


PERIMETER EROSION CONTROL BARRIER

STATION	TO	STATION	
45.0' LT.	1608+39.70	TO 85.0' LT. OF 1608+52.73	= 40.89'
85.0' LT.	1608+52.73	TO 85.0' LT. OF 1609+50.78	= 98.09'
85.0' LT.	1609+50.78	TO 45.0' LT. OF 1609+59.85	= 41.57'
45.0' RT.	1608+40.13	TO 85.0' RT. OF 1608+53.90	= 42.57'
85.0' RT.	1608+53.90	TO 85.0' RT. OF 1609+51.46	= 97.56'
85.0' RT.	1609+51.46	TO 45.0' RT. OF 1609+59.85	= 41.74'
TOTAL			= 320.85'
USE			= 321.00'

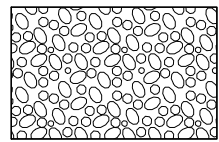
TEMPORARY DITCH CHECKS BY STATION

STATION	OFFSET	
1606+00.00	/ 25.0' RT. & LT.	= 25.0'
1607+50.00	/ 34.0' RT. & LT.	= 25.0'
1608+50.00	/ 34.0' RT. & LT.	= 25.0'
1909+50.00	/ 34.0' RT. & LT.	= 25.0'
1610+25.00	/ 34.0' RT. & LT.	= 25.0'
1611+00.00	/ 25.0' RT. & LT.	= 25.0'
TOTAL		= 150.0'

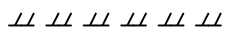


PERIMETER EROSION CONTROL BARRIER

STONE RIPRAP, CLASS A4



TEMPORARY EASEMENT



INLET & PIPE PROTECTION

STATION 1611+67.08
OFF SET 26.0' / RT.

AREAS FOR SEEDING BY ACRE

STATION	TO	STATION	
RT. 1606+00.00	TO	RT. 1612+00.00	= 0.57 ACRE
LT. 1606+00.00	TO	LT. 1611+50.00	= 0.64 ACRE
TOTAL ACRE			= 1.21 ACRE
USE			= 1.50 ACRE

CLASS 2A SEEDING SHALL BE USED FOR LONG TERM SEEDING.

MULCH METHOD 2 AREAS ARE THE SAME SIZE AS THE SEEDING AREA.

FILE NAME =	USER NAME = ceerlockjd	DESIGNED -	REVISED -
p:\11\084EBIDINTEG.illinois.gov\PI\DOT\Documents\IDOT Offices\District 5\Projects\0504\DRAWING\Design\0570576-shr-ero.dgn		REVISED -	REVISED -
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -	REVISED -
DATE = 10/18/2016	DATE -	REVISED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SEEDING AND EROSION CONTROL PLAN

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	21-BR-1	MCLEAN	54	13
CONTRACT NO. 70576				
ILLINOIS FED. AID PROJECT				

RIGHT OF WAY PLAN

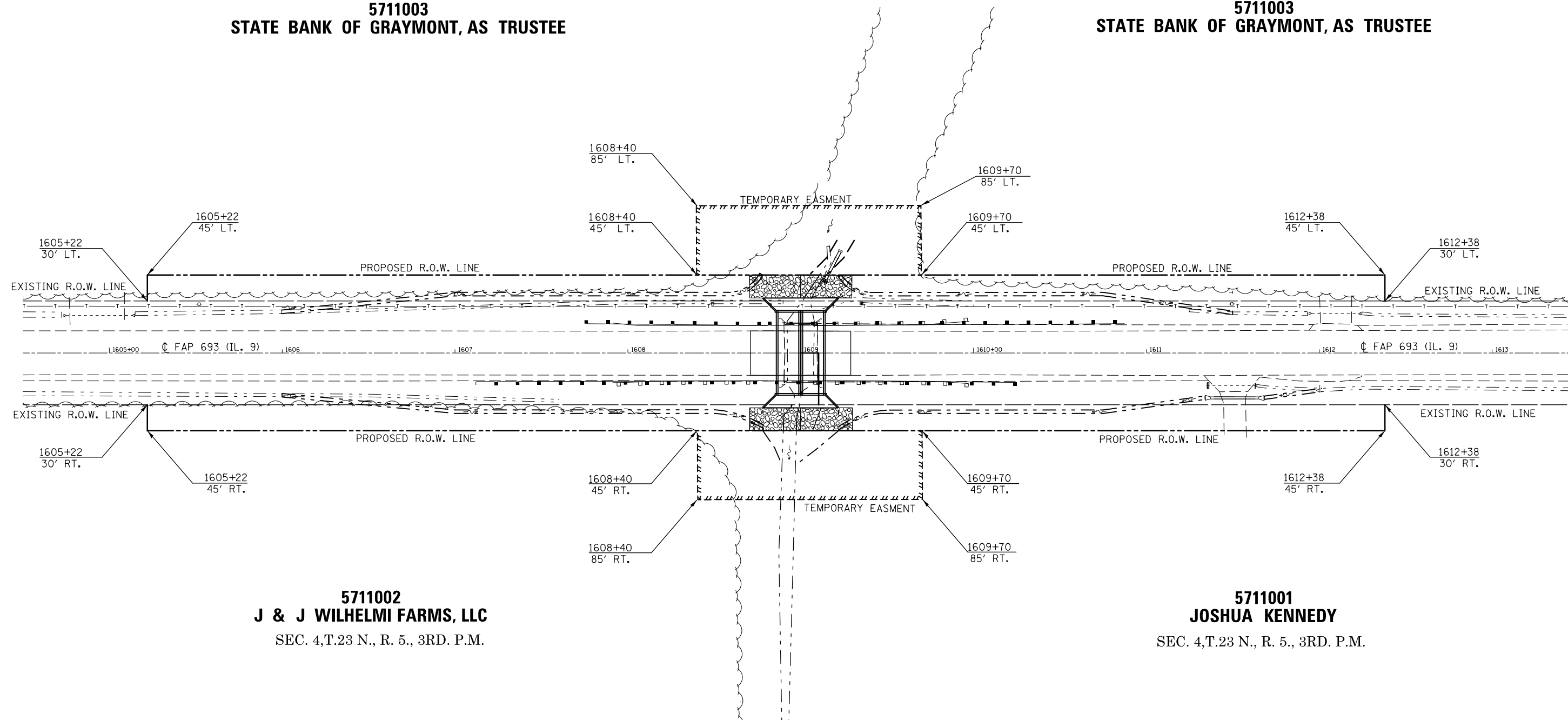


SEC. 33, T.24 N., R. 5., 3RD. P.M.

5711003
STATE BANK OF GRAYMONT, AS TRUSTEE

SEC. 33, T.24 N., R. 5., 3RD. P.M.

5711003
STATE BANK OF GRAYMONT, AS TRUSTEE



5711002
J & J WILHELMI FARMS, LLC
SEC. 4, T.23 N., R. 5., 3RD. P.M.

5711001
JOSHUA KENNEDY
SEC. 4, T.23 N., R. 5., 3RD. P.M.

FILE NAME =	USER NAME = ceerlockjd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RIGHT OF WAY PLAN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
p:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 5\Projects\0504\DRAWING\Design\0570576-shr-RowPlan.dwg						693	21BR-1	MCLEAN	54	14	
MODELNAME	PLOT SCALE = 60.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 70576					
	PLOT DATE = 10/18/2016	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE:	SHEET 1 OF 1 SHEETS		STA. 1604+50.00 TO STA. 1613+50.00			

Benchmark: #4826-1 CHISELED SQUARE ON TOP OF THE BRIDGE CURB CENTER OF THE SOUTH SIDE ELEV. 836.28

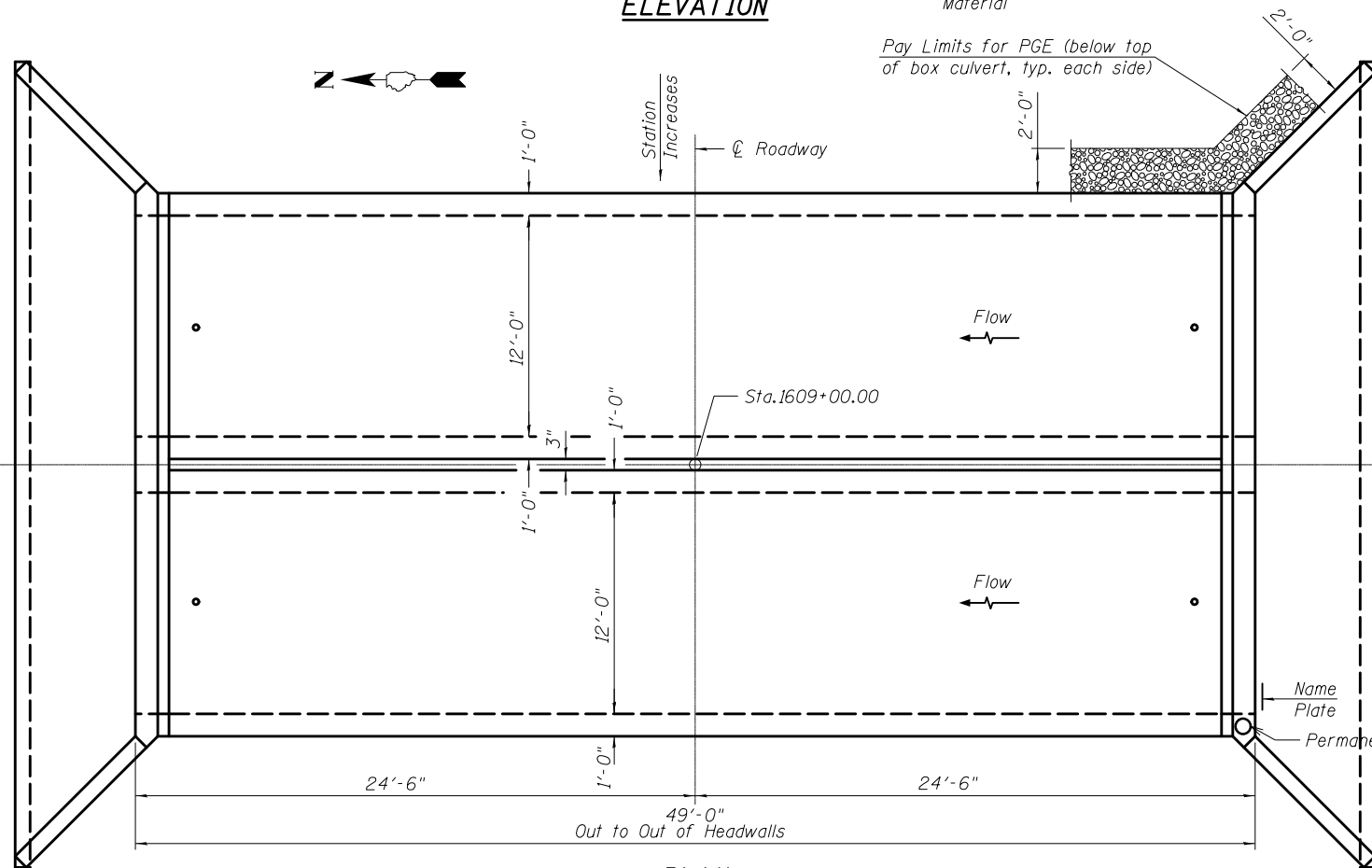
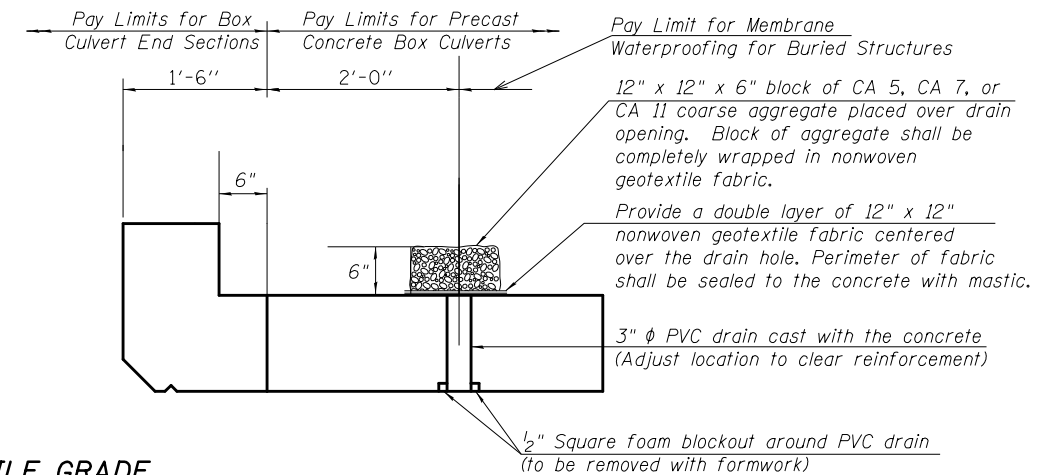
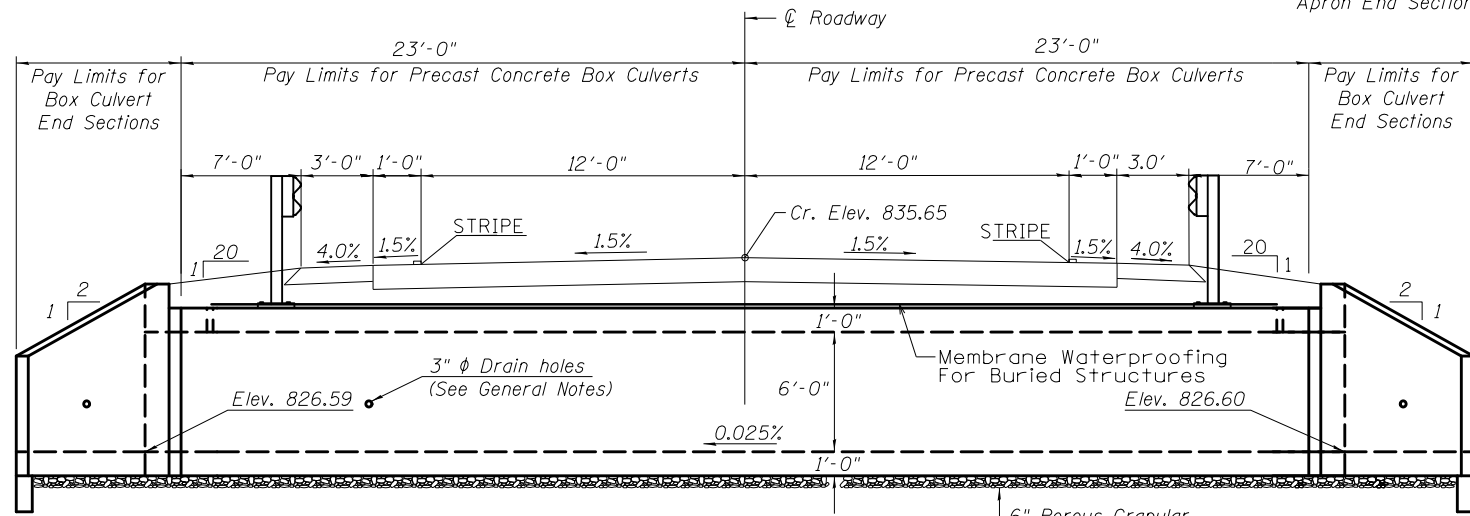
Existing Structure: #057-0139 is a single span PPC deck beam bridge with 8, 11"x4'-4" PPC deck beams skewed 0°. The back to back of abutments length is 18'-0", the out to out width of 34'-8" and the clear width of 34'-2". The structure has a 1-1/2" HMA wearing surface with a waterproofing membrane system.

INDEX OF SHEETS

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

GENERAL NOTES

The design fill height for this box is 2.0 ft. The precast box culvert sections shall conform to the requirements of ASTM C1577. 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. SN 057-0139 has been determined, through testing, Not to involve asbestos in a HMA bridge deck wearing surface or waterproofing membrane.



DESIGN SPECIFICATIONS

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

DESIGN STRESSES

(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.)

LOADING HL-93

PRECAST UNITS

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

FIELD UNITS

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

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Removal of Existing Structures	Each	1.0
Name Plates	Each	1.0
Box Culvert End Sections, Culvert No. 1	Each	2.0
Precast Concrete Box Culverts, 12' x 6'	Foot	92.0
Porous Granular Embankment	Cu. Yd.	219.0
Membrane Waterproofing for Buried Structures	Sq. Yd.	142.0

WATERWAY INFORMATION

Drainage Area = 1.0 sq. mi. Low Grade Elev. 835.58 @ Sta. 1608+00

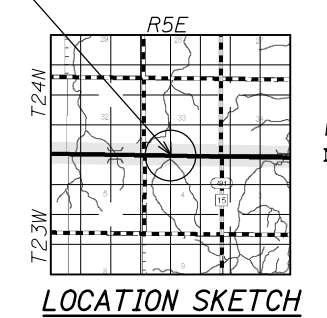
Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Head - Ft.		Headwater El.		
			Exist.	Prop.	Exist.	Prop.	Exist.	Prop.	
Design	10	389	62	89	831.2	1.3	0.8	832.5	832.0
Base	50	659	68	98	831.6	3.5	1.1	835.1	832.7
Overtopping	100	785	70	101	831.7	4.0	1.2	835.7	832.9
Max. Calc.	72	746	68	98	831.6	3.9		835.5	
	500	1098	74	108	832.0		2.0		834.0

DESIGN SCOUR ELEVATION TABLE

Design Scour Elevation (ft.)	Upstream	Downstream
	823.60	823.59

STATION 1609+00
BUILT 2017 BY
STATE OF ILLINOIS
F.A.P.693 SEC.21BR-1
LOADING HL-93
STR. NO. 057-2042

NAME PLATE
See Std. 515001



**GENERAL PLAN AND ELEVATION
IL RTE. 9 OVER MACKINAW CREEK
F.A.P. 693 RTE. 9 SEC. 21BR-1
MCLEAN COUNTY
STATION 1609+00
S.N. 057-2042**

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 C1577 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". All exposed concrete edges shall be chamfered 3/4" unless noted otherwise.

The contractor may use reinforcement bars in lieu of welded wire fabric (WWF). 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 WWF. Minimum lap lengths detailed herein are applicable to WWF 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 C1577 for the design fill height or the reinforcement detailed for the end section, whichever is greater.

Reinforcement bars shall conform to the requirements of ASTM A706 Gr 60.

Reinforcement bars designated (E) shall be epoxy coated.

Class SI concrete shall be used for construction of the end section.

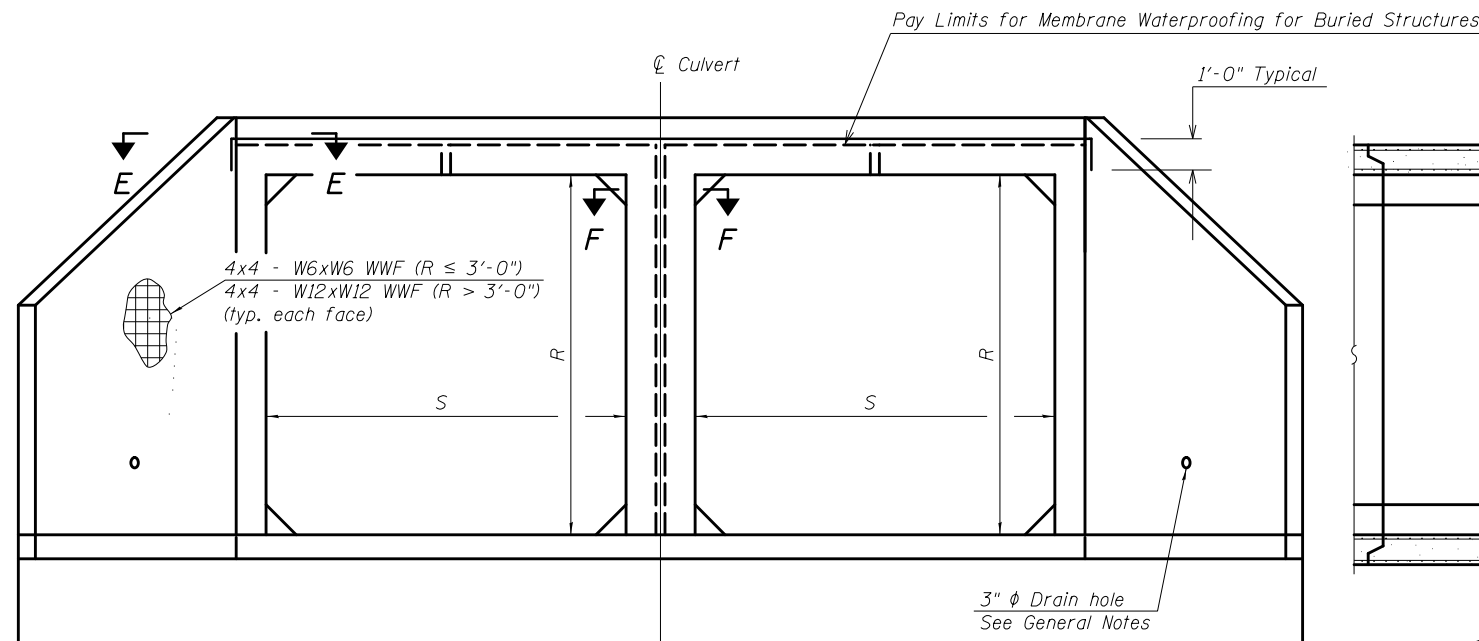
Bonded construction joints shall be prepared according to Article 503.09 of the Standard Specifications.

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.

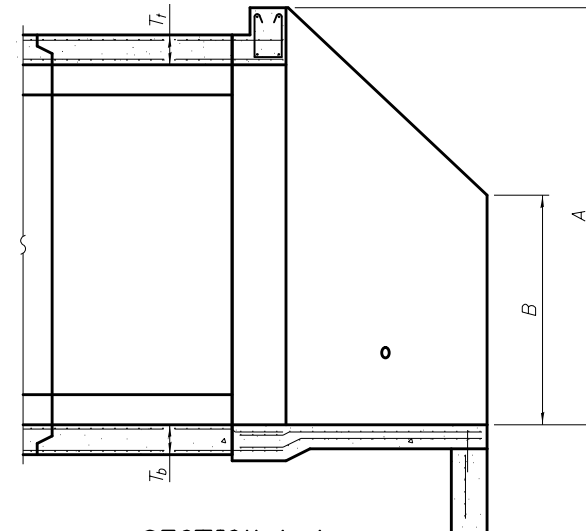
APRON END SECTION DIMENSIONS

Span (S)	Rise (R)	T ₁ , T _b , & T _s	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 ³ / 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 ³ / ₄ "	7'-4"	37'-2 ³ / ₄ "	13.9	50'-3 ³ / ₄ "	19.1
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 ⁵ / 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 ⁵ / 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 ⁵ / ₈ "	7'-6"	39'-9 ⁵ / ₈ "	15.4	54'-0 ⁵ / ₈ "	21.2
12'-0"	6'-0"	12"	7'-9"	4'-5"	7'-3 ⁵ / ₈ "	10'-4"	43'-9 ⁵ / ₈ "	19.8	58'-0 ⁵ / ₈ "	26.6

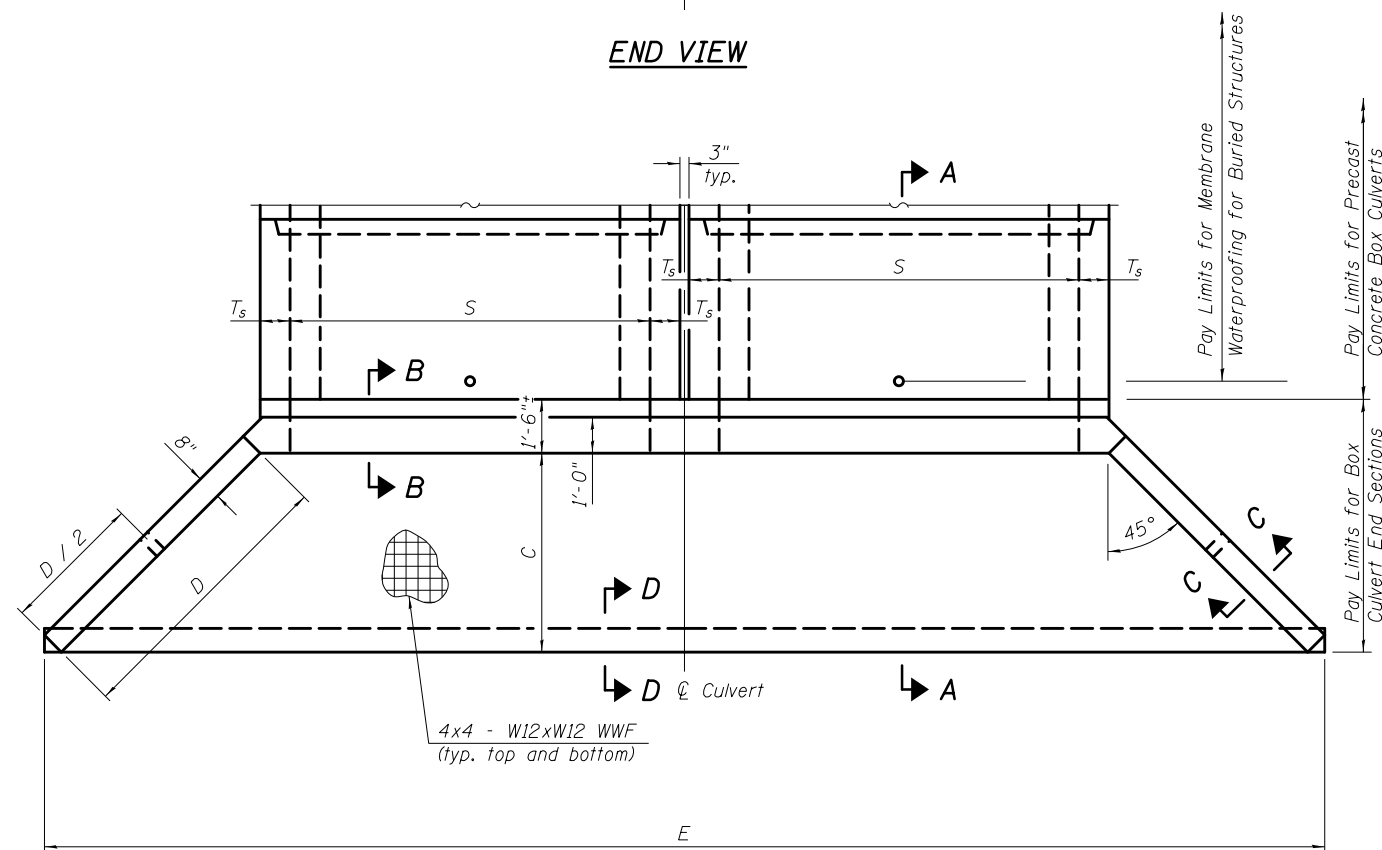
(Sheet 1 of 2)



END VIEW



SECTION A-A



PLAN

MCB-AES-1

11-5-13

FILE NAME =	USER NAME =	DESIGNED -	REVISED
		CHECKED -	REVISED
	PLOT SCALE =	DRAWN -	REVISED
	PLOT DATE =	CHECKED -	REVISED

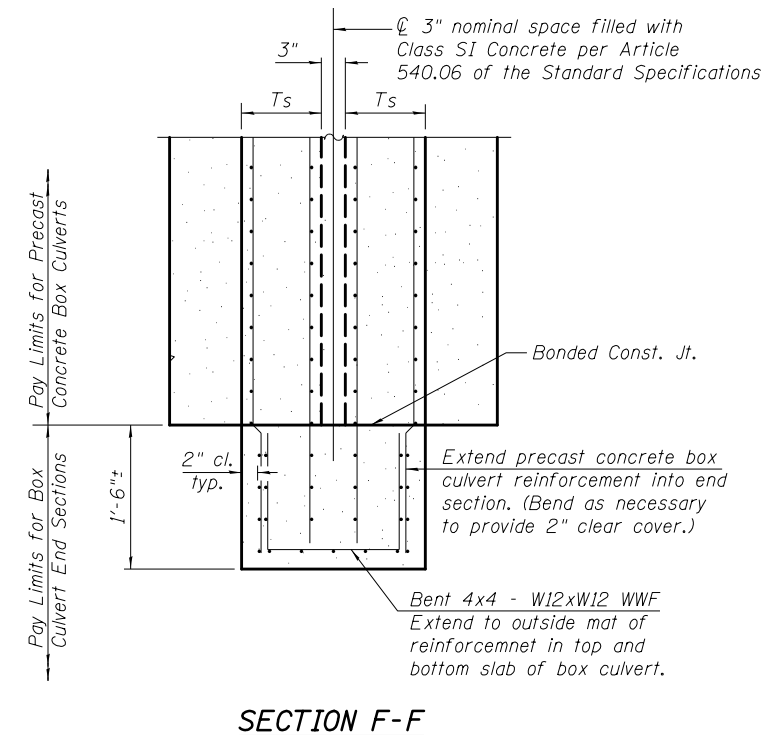
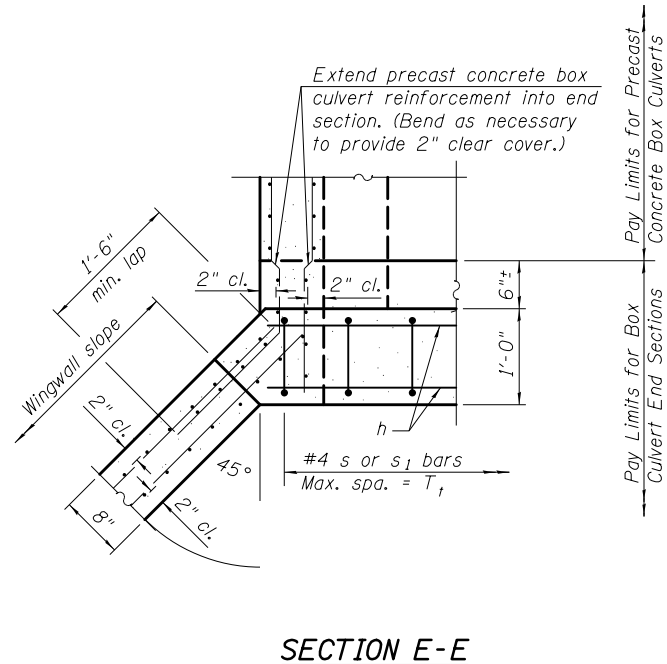
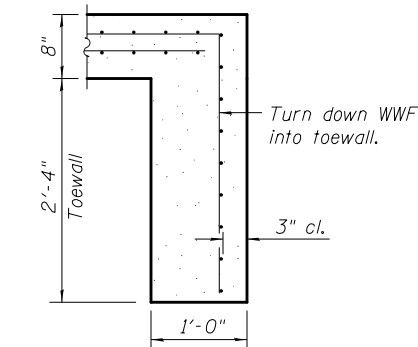
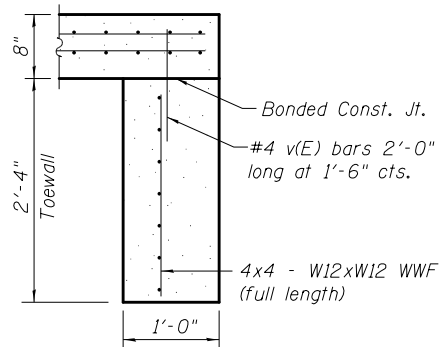
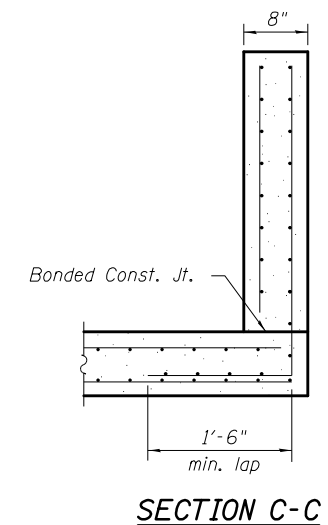
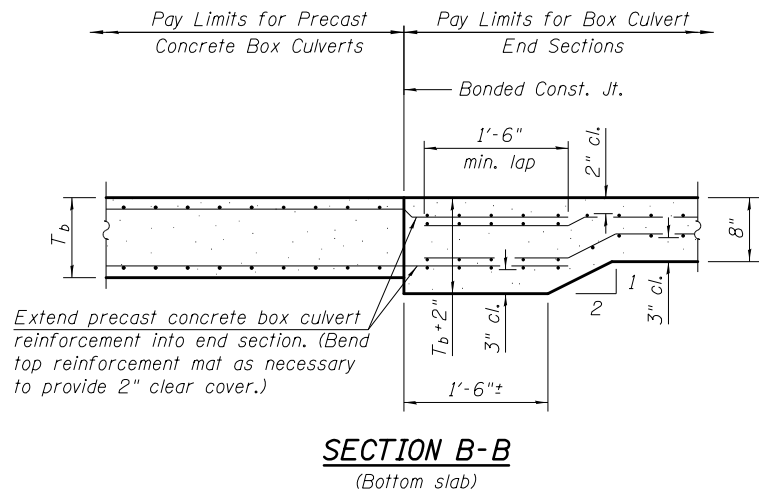
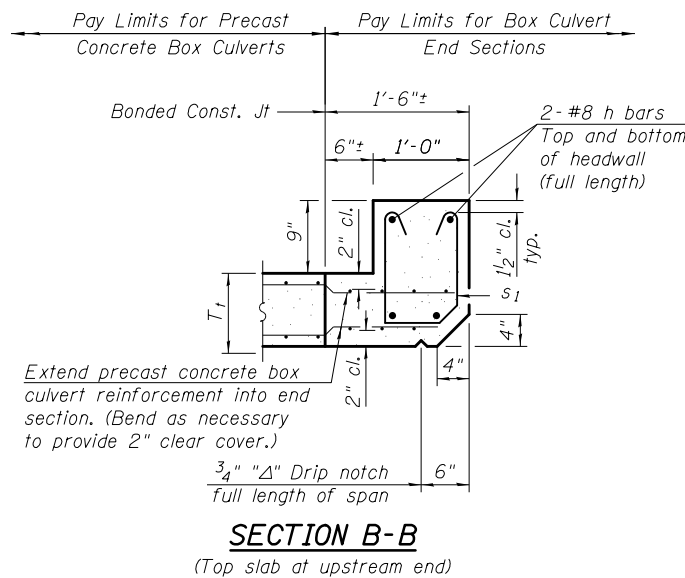
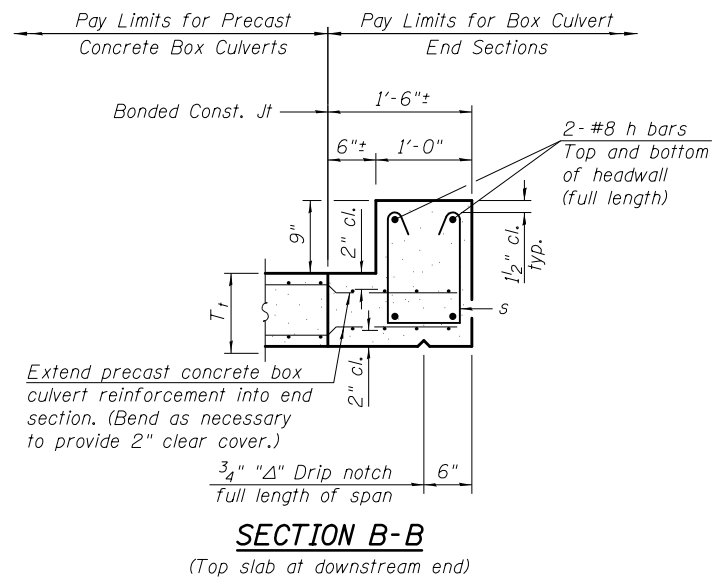
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MULTI-CELL PRECAST CONCRETE BOX CULVERT
APRON END SECTION DETAILS**

SHEET NO. 1 OF 2 SHEETS

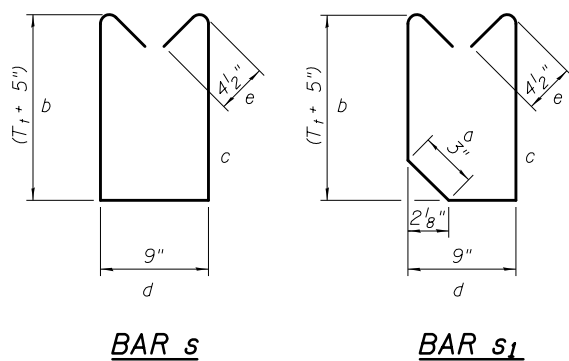
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	21BR-1	MCLEAN	54	16
CONTRACT NO. 70576				

ILLINOIS FED. AID PROJECT



- 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.



REINFORCEMENT BARS						
For Information Only (One End Section)						
12' X 6' END SECTION						
Bar	No.	Size	Length	Shape	Weight/Ft	Pounds
h	4	#8	28'-3"	straight	2.67	302
s or s1	29	#4	see below	u-shaped	0.668	83
v(E)	30	#4	2'-0"	straight	0.668	40
Total						425
Use (Nearest 10 pounds)						430
DIMENSIONS OF BENT BARS						
	a	b	c (x2)	d	e (x2)	Length
s		1'-5"	1'-5"	9"	4 1/2"	4'-4"
s1		1'-3"	1'-5"	7"	4 1/2"	4'-3"

MCB-AES-2

11-5-13

(Sheet 2 of 2)

AS-BUILT PLANS FOR INFORMATION ONLY

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
SBI 9	*	McLEAN	65	62
PER. ROAD DIST. NO. 1	ILLINOIS	FED. AID PROJECT:		

* B1, B2 (R, W & RS), B1BR, B1BR-1 & B2BR

B.N. 1 of Cut in NE Wing, Elev. 232.25

Existing Structure No. 057-0139 @ Sta. 1609+00 built in 1925 as S.B.I. Rte. 9, Section 21-B. Existing Slab to be removed and replaced with 11" x 52" R.P.C. Deck Beams. Existing Abutments to be widened to accommodate the new Superstructure. Traffic shall be detoured during reconstruction.

No Salvage.

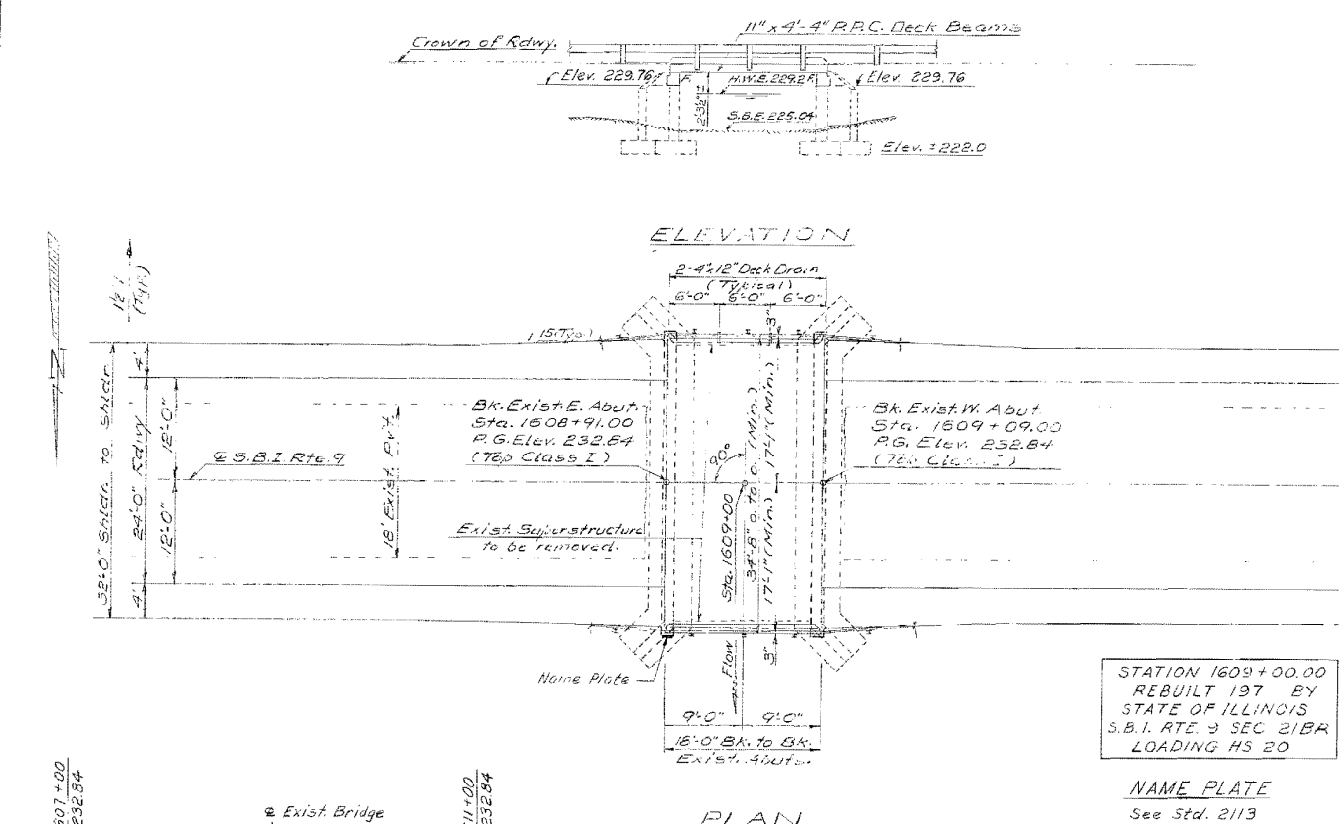
GENERAL NOTES

It shall be the responsibility of the Contractor to verify all dimensions and conditions existing in the field prior to construction and ordering materials.

The top surface of the beams shall be finished according to Art. 2-5.10 of the Standard Specifications, except that the surface shall not be roughened by brooming. The finished surface shall be free of depressions or high spots with 1/8" tolerances.

Protective Coat shall not be applied to concrete until Waterproofing Membrane system is applied.

Expansion bolts shall consist of self-drilling expansion anchors and 3/4" diameter x 12" hooked bolts.



TOTAL BILL OF MATERIAL

Item	Unit	Super	Sub	Total
Protective Coat	Sq. Yds.	6		6
Concrete Removal	Cu. Yds.		50	50
Class X Concrete	Cu. Yds.	17	22	32
R.P.C. Deck Beams (11")	Sq. Ft.	642		642
Portland Cement Mortar	Sq. Ft.	130		130
Steel Railing, Type S	Lm. Ft.	37		37
Reinforcement Bars	Lbs.	175	2020	2175
Waterproofing Membrane System	Sq. Yds.	77		77
Name Plates	Each		1	1
Bituminous Concrete Surface Course, Mixture D, Class I	Tons	2		2
Exist. Superstructure Removal	Each	1		1
Pavement Removal and R.P.C. Replacement, Type 2, 10"	Sq. Yds.	10		10
Expansion Bolts, 3/4" #	Each	46		46

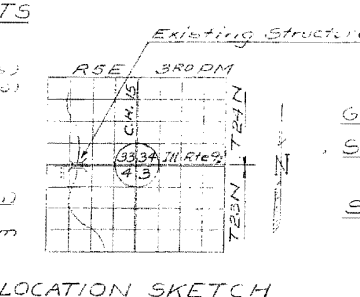
STATION 1609+00.00
REBUILT 197 BY
STATE OF ILLINOIS
S.B.I. RTE. 9 SEC. 21BR
LOADING HS 20

NAME PLATE
See Std. 2113

DESIGN STRESSES
PRECAST PRESTRESSED UNITS
 $f_c = 5000 \text{ psi}$
 $f_{ci} = 4000 \text{ psi}$
 $f_s = 27000 \text{ psi (16 Strands)}$
 $f_{si} = 18900 \text{ psi (16 Strands)}$

FIELD UNITS
 $f_c = 1400 \text{ psi (sub)}$
 $f_s = 20000 \text{ psi (Reinf.)}$
 $m = 10$
 Loading HS 20-44 (New Construction)
 1973 AASHTO, 1974 and 1975 Interim Specifications (as applicable).
 Allow 25% for Future W.S.

WATERWAY INFORMATION
 Drainage Area: 11 Sq. miles
 Character: level, rolling, cultivated
 Present Opening: 67 Sq. Ft.
 Required Opening: 67 Sq. Ft.
 Proposed Opening: 67 Sq. Ft.
 H.W.E. = 229.2'
 $Q_{1.50} = 620 \text{ cfs}$
 $Q_{100} = 811 \text{ cfs}$
 $V_{1.50} = 9.25 \text{ fps}$



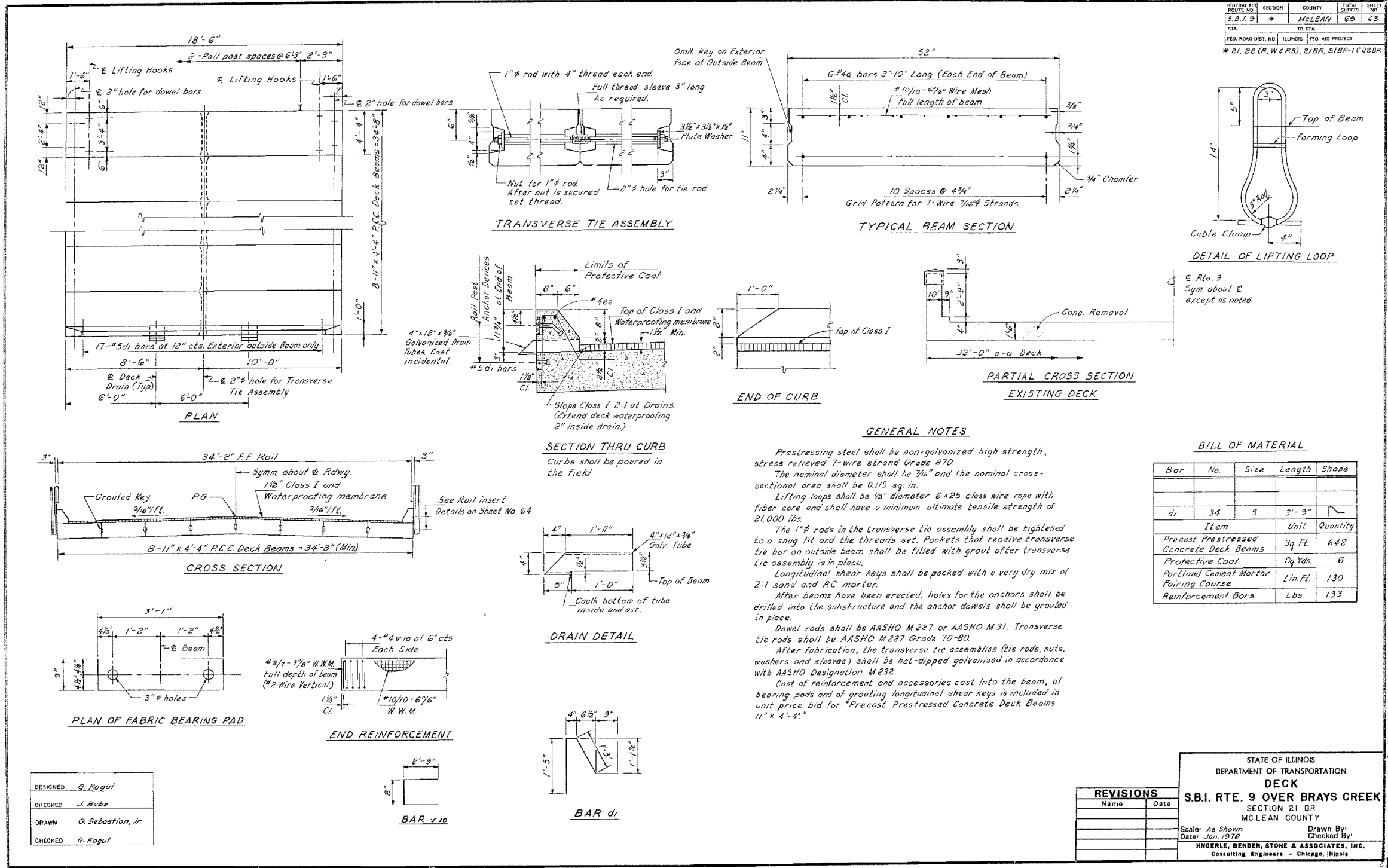
GENERAL PLAN & ELEVATION
S.B.I. RTE. 9 OVER BRANCH
OF BRAYS CREEK
S.B.I. RTE. 9 SECTION 21 BR
McLEAN CO.
STA. 1609+00.00

DESIGNED	G. Kogut
CHECKED	J. Buba
DRAWN	G. Sebastian Jr.
CHECKED	G. Kogut

John A. Buba #81-2990



AS-BUILT PLANS FOR INFORMATION ONLY

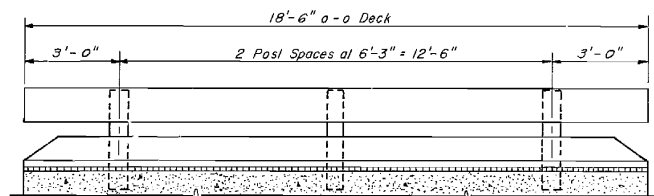


AS-BUILT PLANS FOR INFORMATION ONLY

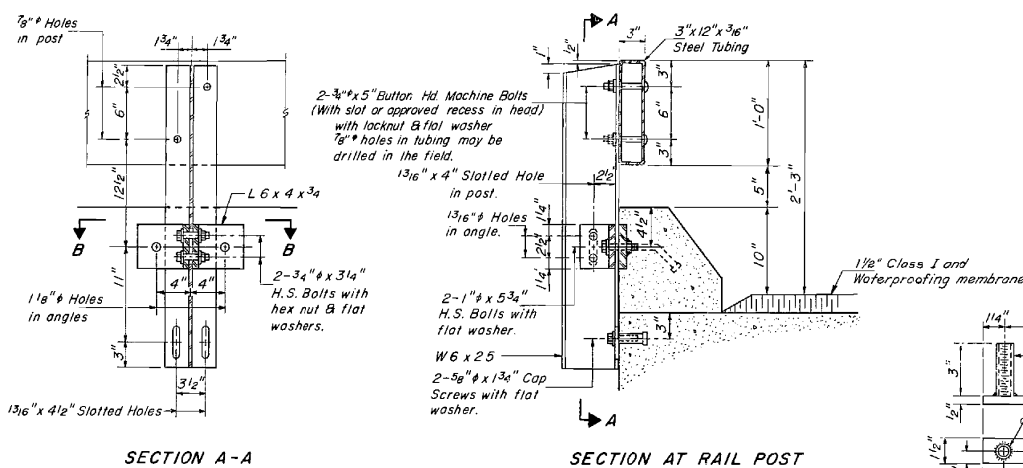
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE NO.	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
S.B.I. 9	*	McLEAN	65	64

* 21, 22 (R, W & RS), 21BR, 21BR-1 & 22BR

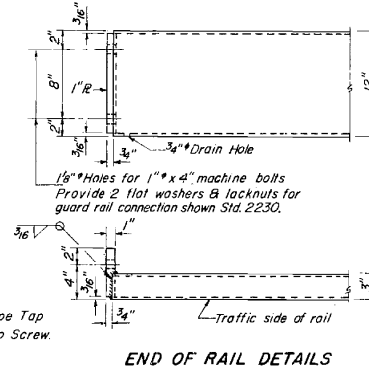


ELEVATION



SECTION A-A

SECTION AT RAIL POST



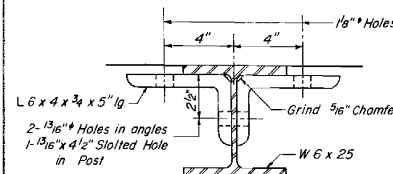
END OF RAIL DETAILS

NOTES

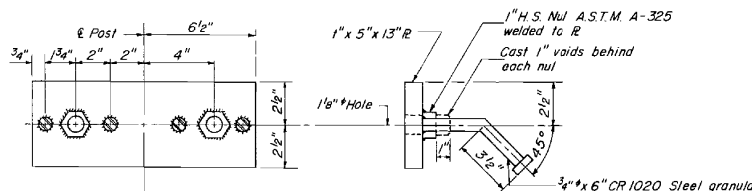
Hollow structural steel tubing shall conform to the requirements of ASTM designation A-500 Grade B or A-501 Structural Steel Tubing.
 All other steel shapes and plates shall conform to the requirements of AASHTO designation M-18.3 except posts shall conform to AASHTO M-18B.
 Bolts, cap screws, and nuts shall conform to the requirements of ASTM designation A-307 except for high strength bolts, nuts and washers noted which shall conform to ASTM designation A-325.
 All bolts, nuts, cap screws, washers and lock washers shall be galvanized in accordance with AASHTO designation M-23.2.
 All posts, railing, rail splices and angles shall be galvanized after shop fabrication in accordance with AASHTO designation M-11 and ASTM A385.
 Galvanized rail shall not be painted.
 Railing shall be in accordance with Section 508 of the Standard Specifications, except as noted, and shall be paid for at the contract unit price per lineal foot for STEEL RAILING, TYPE S.
 All field drilled holes shall be coated with an approved zinc rich paint before erection.
 The lower portion of the post flange in contact with concrete shall receive two coats of asphalt paint conforming to Section 714.08 Type B or place 1/2" fabric bearing pad between the post and concrete.
 The 3/4" high strength bolts used to connect the 6 x 4 x 3/4 angles to the post shall be tightened in accordance with Article 507.04(g)(3) of the Standard Specifications. The 1" high strength bolts connecting the angles to the concrete shall be tightened to a snug fit and given an additional 1/2 turn.

BOTTOM ANCHOR DEVICE

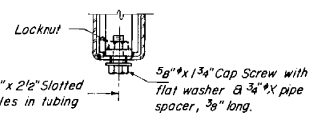
Threaded areas shall be plugged or blocked off during casting of beam.



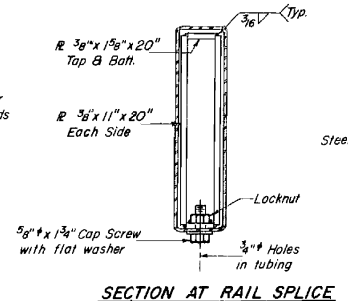
SECTION B-B



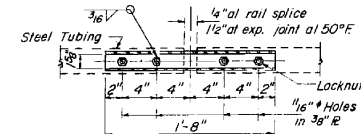
TOP ANCHOR DEVICE



RAIL SPLICE CONNECTION AT EXPANSION JT.



SECTION AT RAIL SPLICE



PLAN-BOTT. SPLICE PL. TYPICAL

CURB & RAIL

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
ez	4	#4	15'-8"	
Reinforcement Bars			Lbs.	42
Class X Concrete			Cu Yds.	1.0
Steel Railing, Type S			Lin. Ft.	37

**TYPE S
STEEL RAILING**

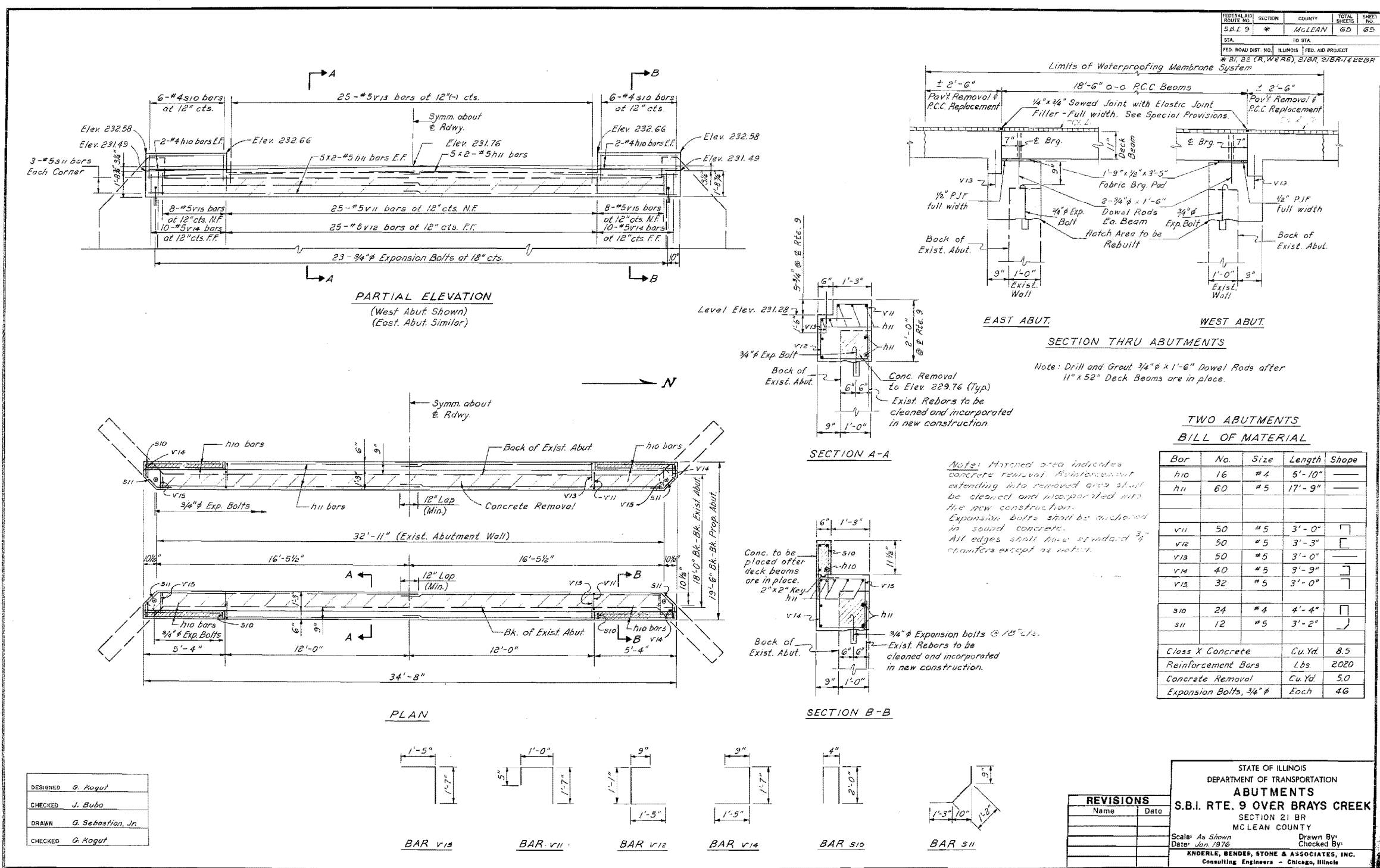
S.B.I. RTE. 9 OVER BRAYS CREEK
SECTION 21 BR
MCLEAN COUNTY

DESIGNED	G. Kogut
CHECKED	J. Buba
DRAWN	G. Sebastian, Jr.
CHECKED	G. Kogut

(6'-3" Maximum Post Spacing)

AS-BUILT PLANS FOR INFORMATION ONLY

FEDERAL AID ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.B.I. 9	*	McLEAN	65	65
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
* B1, B2 (R, W, R), S1BR, S1BR-1422BR				



**TWO ABUTMENTS
BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
h10	16	#4	5'-10"	—
h11	60	#5	17'-9"	—
v11	50	#5	3'-0"	┘
v12	50	#5	3'-3"	┘
v13	50	#5	3'-0"	┘
v14	40	#5	3'-9"	┘
v15	32	#5	3'-0"	┘
s10	24	#4	4'-4"	┘
s11	12	#5	3'-2"	┘
Class X Concrete	Cu. Yd.	8.5		
Reinforcement Bars	Lbs.	2020		
Concrete Removal	Cu. Yd.	5.0		
Expansion Bolts, 3/4" #	Each	46		

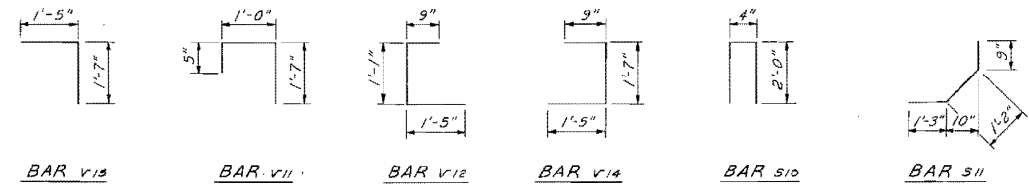
REVISIONS

Name	Date

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
ABUTMENTS
S.B.I. RTE. 9 OVER BRAYS CREEK
SECTION 21 BR
MCLEAN COUNTY

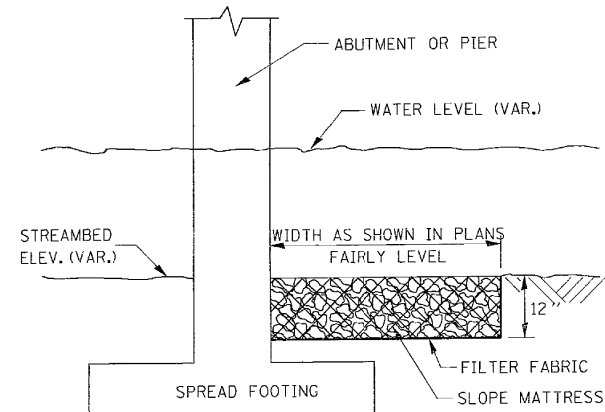
Scale: As Shown
Date: Jan. 1976
Drawn By: _____
Checked By: _____
KNDERLE, BENDER, STONE & ASSOCIATES, INC.
Consulting Engineers - Chicago, Illinois

DESIGNED: G. Kogut
CHECKED: J. Bubo
DRAWN: G. Sebastian, Jr.
CHECKED: G. Kogut



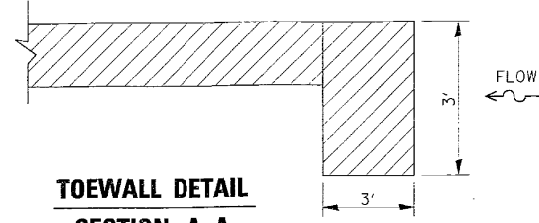
AS-BUILT PLANS FOR INFORMATION ONLY

F.A. NO.	SECTION	COUNTY	SHEET NO.
VAR. D-3 SCOUR 2000-1	MCLEAN & STANBURY	3	54
STA.	11 STA.		
REVISED SHEET	ILLINOIS	FED. AID PROJECT	



FILTER FABRIC WILL BE PLACED ALONG BOTTOM AND ALL VERTICAL CHANNEL FACES.

**TYPICAL SECTION FOR ABUTMENT OR PIER.
SLOPE MATTRESS 12 INCHES**

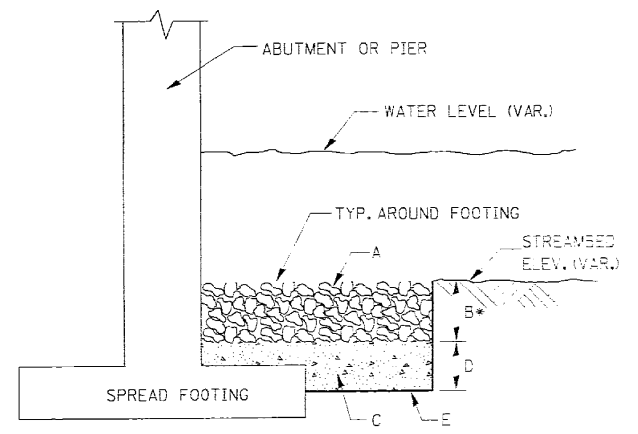


**TOEWALL DETAIL
SECTION A-A**
TO BE USED AT ALL MATTRESS LOCATIONS

APPROXIMATE SPREAD FOOTING THICKNESS			
McLEAN CO.	LOCATION	PIERS (feet)	ABUTMENT (feet)
057-0083	PIER	2	---
057-0098	ABUT. to ABUT.	---	1.75
057-0110	CENTER PIER	2	---
057-0139	ABUT. to ABUT.	---	1.75
057-0191	ABUT. ON PILES	---	---
LIVINGSTON CO.			
053-0047	PIER	1.75	---
053-0103	ABUT. to ABUT.	---	1.75
053-0098	ABUT. to ABUT.	---	2

STONE RIPRAP				
RIPRAP GRADATION	MIN. THICKNESS	BEDDING GRADATION	BEDDING THICKNESS	FILTER FABRIC WEIGHT
RR4	16"	RR1	8"	6 oz./SQ. YD.
RR5	22"	RR1	8"	6 oz./SQ. YD.

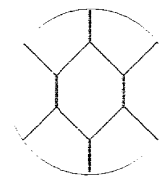
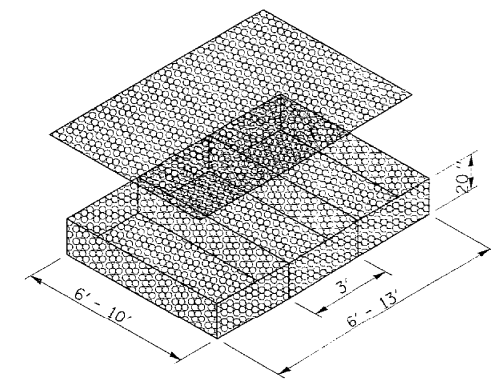
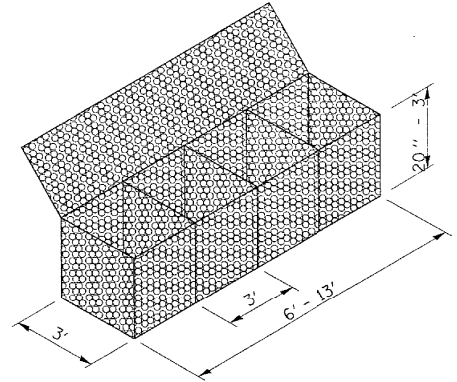
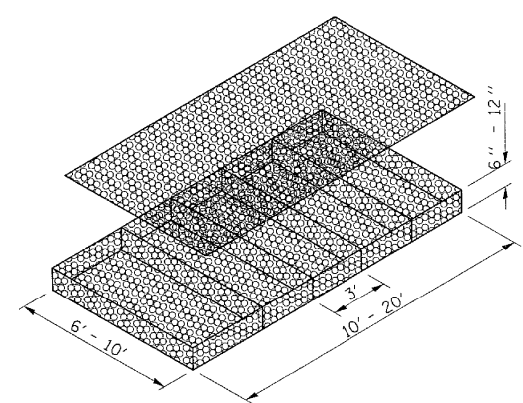
* RIPRAP THICKNESS IS GIVEN IN SCHEDULE PER STRUCTURE



E - FILTER FABRIC ALONG BOTTOM AND ALL VERTICAL CHANNEL FACES.

**TYPICAL SECTION FOR ABUTMENT OR PIER.
RIPRAP CLASS A4 & 5**

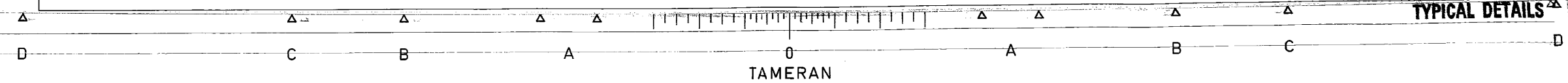
NOTE: CHANNEL EXCAVATION SHALL NOT EXCEED BOTTOM OF FOOTING



FOR INFORMATION ONLY

NOTE: FILTER FABRIC CAN BE PLACED INSIDE OF SLOPE MATTRESS OR TIED AROUND OUTSIDE BEFORE PLACEMENT OF STONE.

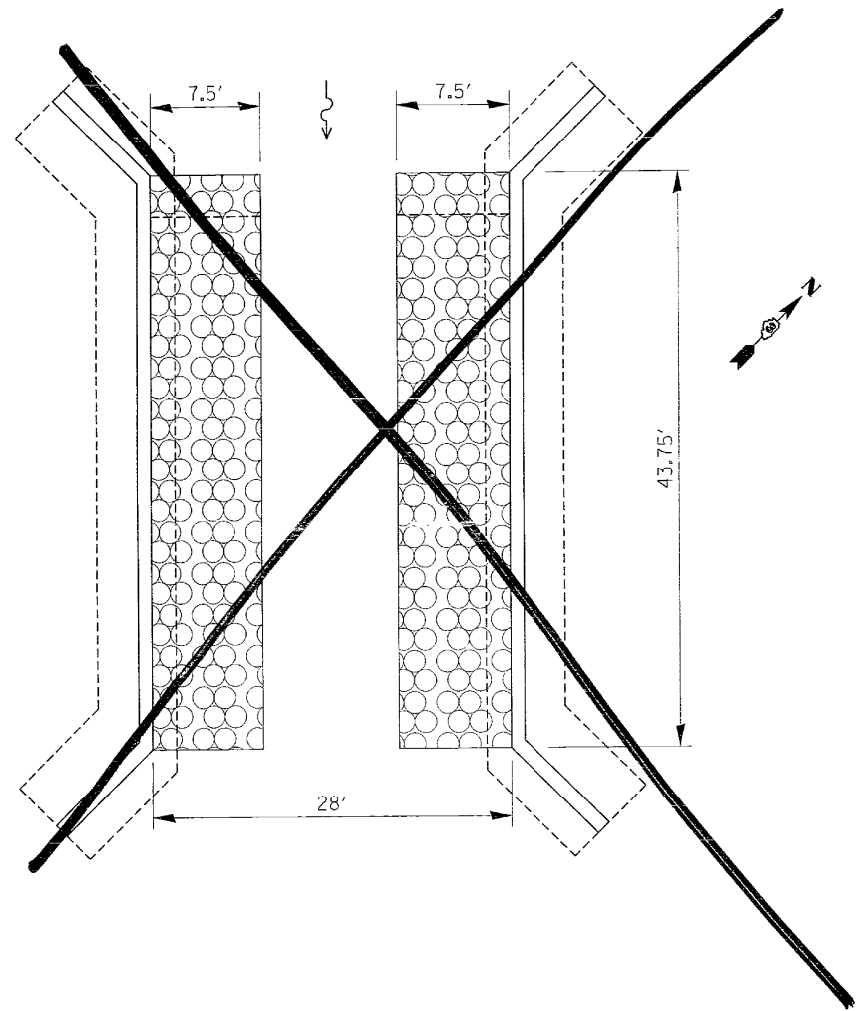
JULY 30, 1999
VED09999.DETA ILS.DGN



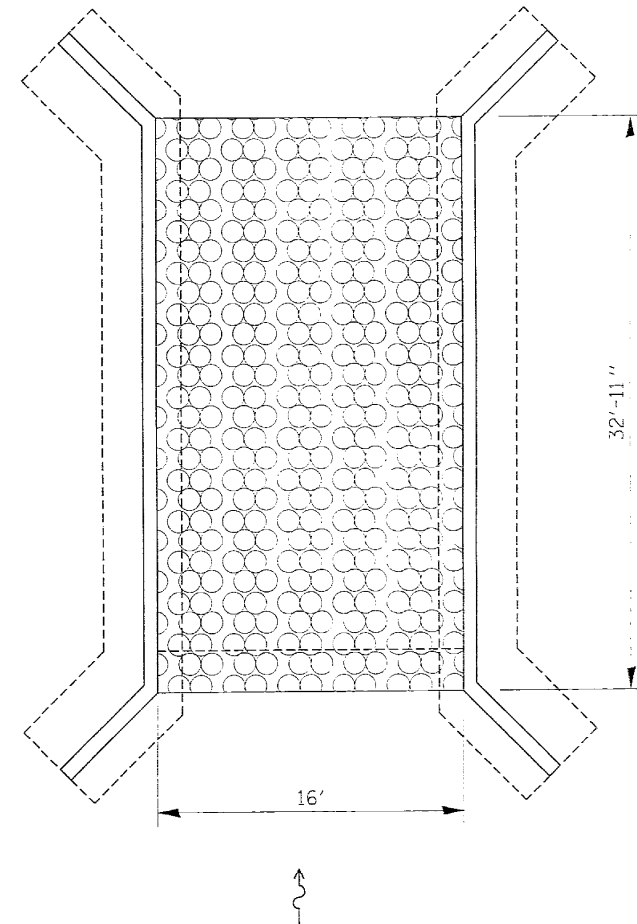
TYPICAL DETAILS

AS-BUILT PLANS FOR INFORMATION ONLY

T.A.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	21BR-1	MCLEAN	54	25
STA.	TO STA.			
FILE NO.	BLKNO.	FILED PROJECT		



~~STR. # 057-0065~~



STR. # 057-0139

NOT TO SCALE

REVISIONS NAME	DATE

NOTE:
SEE TIE-ALL DETAIL

FOR SPREAD FOOTING THICKNESS
SEE TABLE

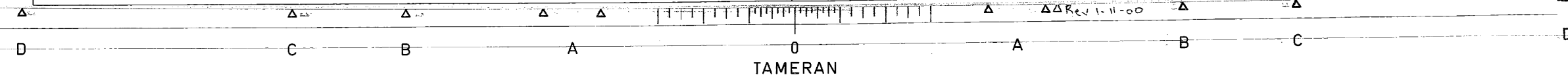
ILLINOIS DEPARTMENT OF TRANSPORTATION

McLEAN COUNTY

STR. #

057-0139

JULY 26, 1999
AED09999.DETA ILS.DGN



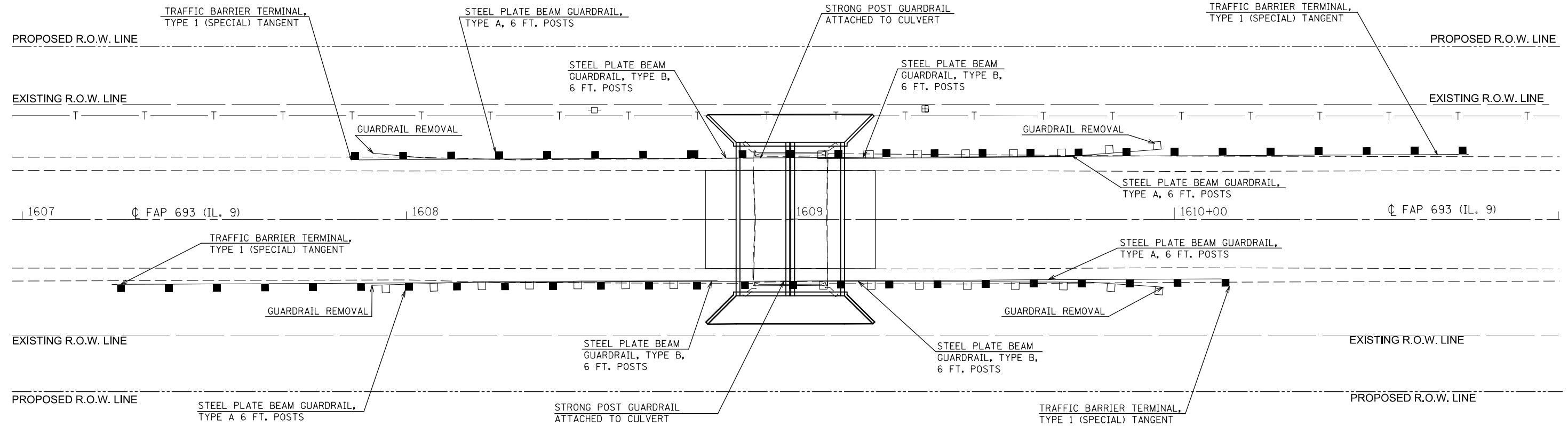
FILE NAME =	USER NAME = ceerlockjd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	AS-BUILT PLANS (FOR INFORMATION ONLY)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 5\Projects\0504\DRAWING\Design\0570576-shr-Details.dwg	DESIGNED -	REVISED -	693			21BR-1	MCLEAN	54	25	
\$MODELNAME\$	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 70576				
	PLOT DATE = 10/18/2016	DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

SEC. 33,T.24 N., R. 5., 3RD. P.M.

GUARDRAIL PLAN

DRAWING NOT TO SCALE

SEC. 33,T.24 N., R. 5., 3RD. P.M.



SEC. 4,T.23 N., R. 5., 3RD. P.M.

SEC. 4,T.23 N., R. 5., 3RD. P.M.

63000001 STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FT. POSTS

OFFSET	STATION	TO	OFFSET	STATION	FOOT
RT.	1607+62.50		RT.	1608+62.50	100.0
RT.	1609+37.50		RT.	1609+75.00	37.5
LT.	1608+25.00		LT.	1608+62.50	37.5
LT.	1609+37.50		LT.	1610+37.50	100.0
					TOTAL: 275.0

63100167 TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT

OFFSET	STATION	TO	STATION	EACH
RT.	1607+12.50		1607+62.50	1.0
RT.	1609+75.00		1610+25.00	1.0
LT.	1607+75.00		1608+25.00	1.0
LT.	1610+37.50		1610+87.50	1.0
				TOTAL: 4.0

78200410 GUARDRAIL REFLECTORS, TYPE A

STATION	OFFSET	TO	STATION	OFFSET	EACH
1607+12.50	RT.		1610+25.00	RT.	4.0
1607+75.00	LT.		1610+87.50	LT.	4.0
					TOTAL: 8.0

63000005 STEEL PLATE BEAM GUARDRAIL, TYPE B, 6 FT. POSTS

OFFSET	STATION	TO	OFFSET	STATION	FOOT
RT.	1608+62.50		RT.	1608+87.50	25.0
RT.	1609+12.50		RT.	1609+37.50	25.0
LT.	1608+62.50		LT.	1608+87.50	25.0
LT.	1609+12.50		LT.	1609+37.50	25.0
					TOTAL: 100.0

63200310 GUARDRAIL REMOVAL

OFFSET	STATION	TO	OFFSET	STATION	FOOT
17.27' LT.	1607+91.39		18.34' LT.	1609+97.22	205.83
17.16' RT.	1607+91.09		17.65' RT.	1609+97.05	205.96
					TOTAL: 411.79
					USE: 412.0

72501000 TERMINAL MARKER DIRECT APPLIED

STATION	OFFSET	EACH
1607+12.50	RT.	1.0
1607+75.00	LT.	1.0
1610+25.00	RT.	1.0
1610+87.50	LT.	1.0
		TOTAL: 4.0

63000030 STRONG POST GUARDRAIL ATTACHED TO CULVERT

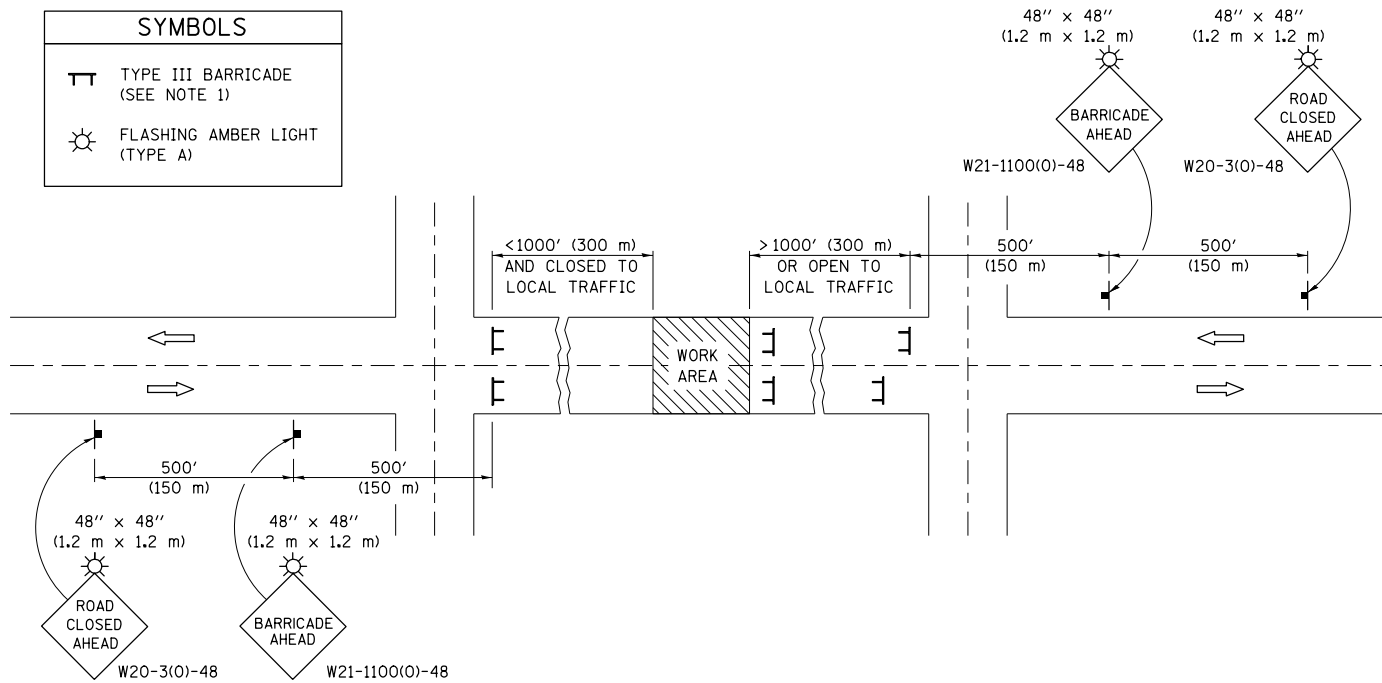
OFFSET	STATION	TO	STATION	FOOT
RT.	1608+87.50		1609+12.50	25.0
LT.	1608+87.50		1609+12.50	25.0
				TOTAL: 50.0

FILE NAME =	USER NAME = ceerlockjd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GUARDRAIL PLAN	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBIDINTEG\illinois.gov\PI\DOT\Documents\DOT Offices\District 5\Projects\0504\Drawings\Design\0570576-shr-Rowplan.dwg	PLLOT SCALE = 80.0000' / in.	CHECKED -	REVISED -			693	21BR-1	MCLEAN	54	26	
\$MODELNAME\$	PLLOT DATE = 10/18/2016	DATE -	REVISED -			CONTRACT NO. 70576					
						SCALE:	SHEET 1	OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT

ROAD CLOSURE

SIDEROAD / STREET CLOSURE

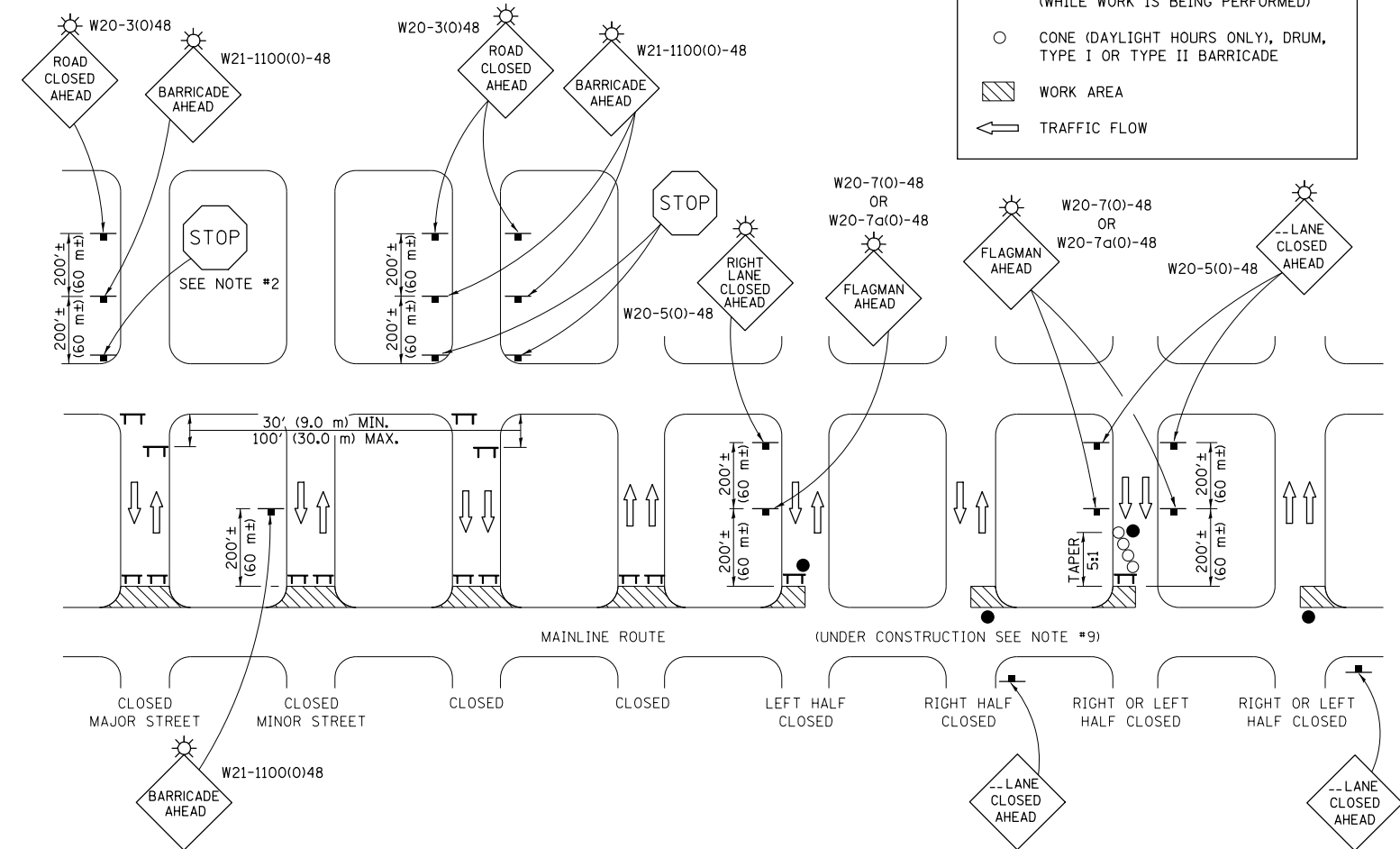
SYMBOLS	
	TYPE III BARRICADE (SEE NOTE 1)
	FLASHING AMBER LIGHT (TYPE A)



GENERAL NOTES

- TYPE III BARRICADES SHALL BE AS SHOWN ON STANDARD 701901 "TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD". EACH TYPE III BARRICADE SHALL HAVE TWO FLASHING AMBER LIGHTS MOUNTED ABOVE IT.
- IF THE ROAD IS OPEN TO LOCAL TRAFFIC OR EXCEEDS 1000' (300 m), ANOTHER SET OF TYPE III BARRICADES, EQUIPPED AS IN NOTE 1 ABOVE, SHALL BE PLACED AT EACH END OF THE WORK AREA.
- WHEN A STOP CONDITION EXISTS, NO SIGNS ARE REQUIRED IN ADVANCE OF THE "STOP" SIGN WHEN THE ROAD IS CLOSED WITHIN 100' (30 m) OF THE INTERSECTION.
- STANDARD 701901 SHALL APPLY FOR THE PLACEMENT & DESIGN OF TYPE III BARRICADES.
- IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 IS NOT AVAILABLE, THE SIGNS MAY BE MOUNTED ON AN NCHRP 350 TEMPORARY SIGN SUPPORT DIRECTLY IN FRONT OF THE BARRICADE.
- REFLECTORIZED STRIPING SHALL APPEAR ON BOTH SIDES OF THE TYPE III BARRICADES IF ROAD IS OPEN TO LOCAL TRAFFIC.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- A MINIMUM OF TWO FLASHING LIGHTS SHALL BE USED AT NIGHT ON EACH APPROACH IN ADVANCE OF THE WORK AREA. FLASHING LIGHTS SHALL BE INSTALLED ABOVE THE FIRST TWO SIGNS IN THE SERIES.
- LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
- FORMS BT. 725 AND BT. 726 ARE REQUIRED.
- WHEN A SIDEROAD INTERSECTS THE HIGHWAY ON WHICH WORK IS BEING PERFORMED, ADDITIONAL TRAFFIC DEVICES SHALL BE ERECTED AND PROVIDED AS DIRECTED BY THE ENGINEER.
- AN ADDITIONAL SIGN MAY BE REQUIRED AT A MAJOR INTERSECTING ROAD IN ADVANCE OF THE CLOSURE. THE ADDITIONAL SIGN SHALL GIVE THE DISTANCE TO THE BARRICADE IN MILES OR FRACTIONS OF A MILE.

SYMBOLS	
	TYPE III BARRICADE (SEE NOTE)
	FLASHING LIGHT
	FLAGGER WITH TRAFFIC CONTROL SIGN (WHILE WORK IS BEING PERFORMED)
	CONE (DAYLIGHT HOURS ONLY), DRUM, TYPE I OR TYPE II BARRICADE
	WORK AREA
	TRAFFIC FLOW



GENERAL NOTES

- TYPE III BARRICADES SHALL BE AS SHOWN ON "TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD". EACH TYPE III BARRICADE SHALL HAVE TWO FLASHING AMBER LIGHTS MOUNTED ABOVE IT.
- WHERE A STOP CONDITION EXISTS, AS SHOWN ABOVE, WARNING SIGNS MAY BE OMITTED IN ADVANCE OF THE "STOP" SIGN.
- STANDARD 701901 SHALL APPLY FOR THE PLACEMENT & MANUFACTURE OF TYPE III BARRICADES.
- ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
- ONE FLASHING LIGHT IS REQUIRED ABOVE EACH ADVANCE WARNING SIGN DURING HOURS OF DARKNESS.
- LONGITUDINAL DIMENSIONS MAY BE ADJUSTED SLIGHTLY TO FIT FIELD CONDITIONS.
- FORMS BT 725 AND BT 726 ARE REQUIRED.
- THE MAINLINE ROUTE TEMPORARY TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS AND STANDARD SPECIFICATIONS.
- ALL FLAGGERS REQUIRED AT SIDE ROADS AND ENTRANCES REMAINING OPEN TO TRAFFIC AND/OR ADDITIONAL BARRICADES REQUIRED BY THE ENGINEER TO CLOSE SIDE ROADS AND ENTRANCES WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = ceerlockjd	DESIGNED -	REVISED -
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\$MODELNAME\$	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/18/2016	DATE -	REVISED -

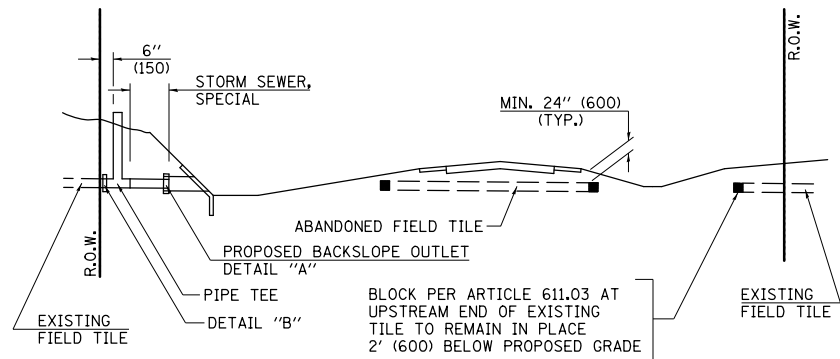
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL & PROTECTION DEVICES
(ROAD & SIDEROAD/STREET CLOSURES)

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

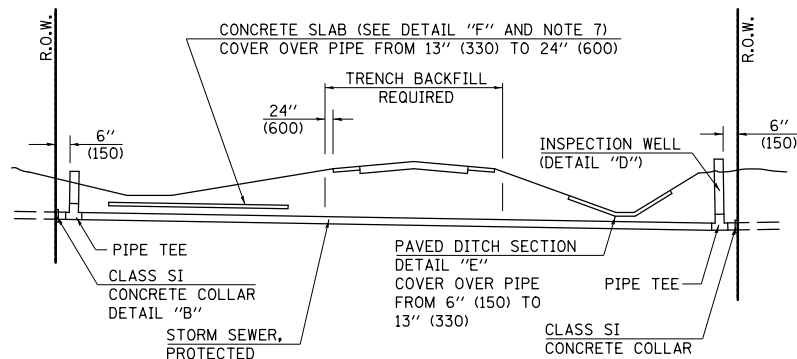
DISTRICT 5 DETAIL NO. 7020000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	21BR-1	MCLEAN	54	27
CONTRACT NO. 70576				
ILLINOIS FED. AID PROJECT				



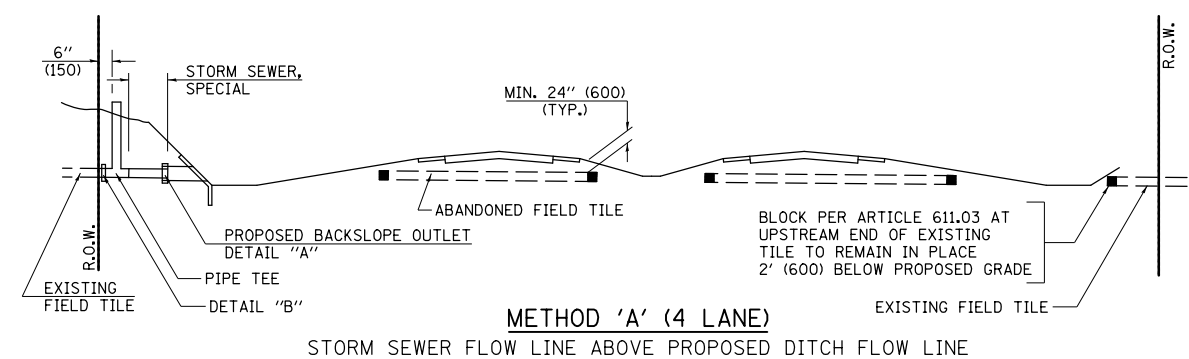
METHOD 'A' (2 LANE)

STORM SEWER FLOW LINE ABOVE PROPOSED DITCH FLOW LINE



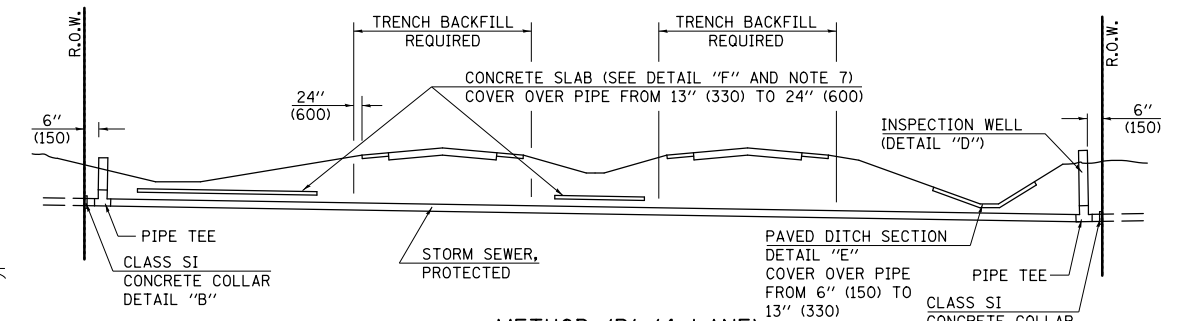
METHOD 'B' (2 LANE)

STORM SEWER LESS THAN 2' (600 mm) BELOW DITCH FLOW LINE AND STORM SEWERS CROSSING UNDER PAVEMENT AND PAVED DITCH



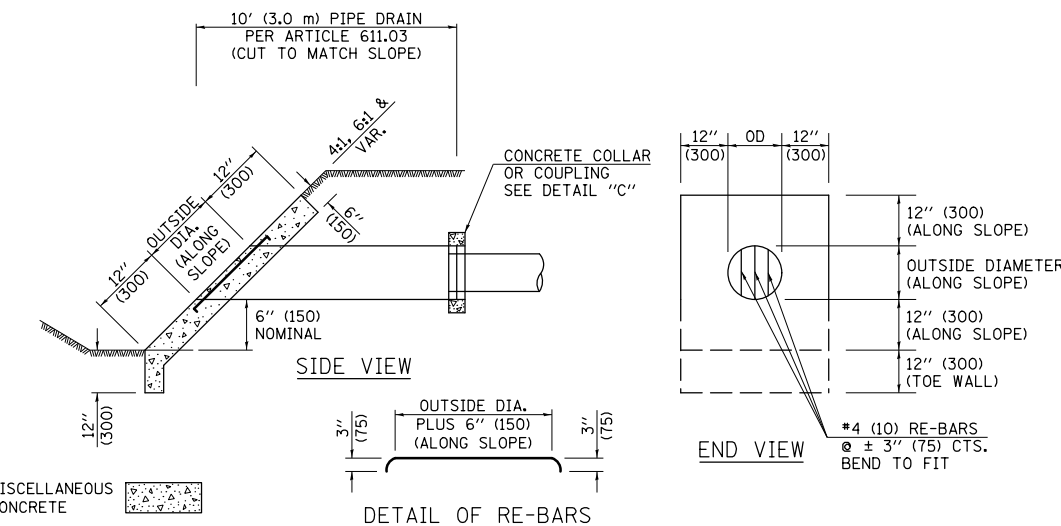
METHOD 'A' (4 LANE)

STORM SEWER FLOW LINE ABOVE PROPOSED DITCH FLOW LINE

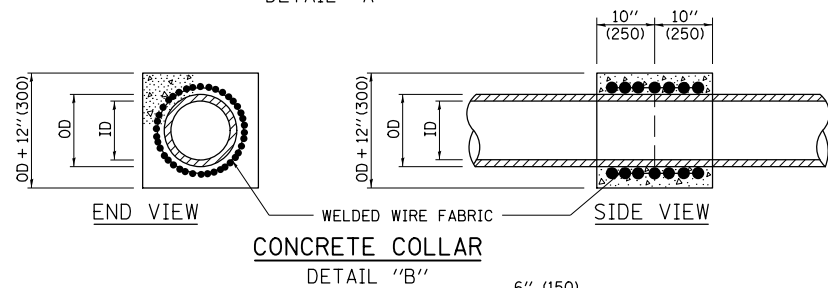


METHOD 'B' (4 LANE)

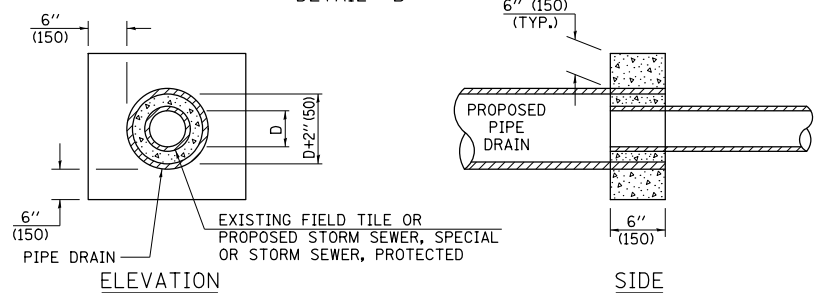
STORM SEWER LESS THAN 2' (600 mm) BELOW DITCH FLOW LINE AND STORM SEWERS CROSSING UNDER PAVEMENTS AND PAVED DITCHES



**HEADWALL FOR BACKSLOPE OUTLET
DETAIL "A"**



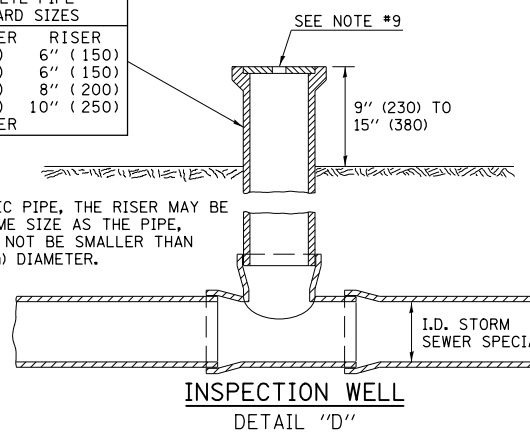
**CONCRETE COLLAR
DETAIL "B"**



**CLASS SI COLLAR
DETAIL "C"**

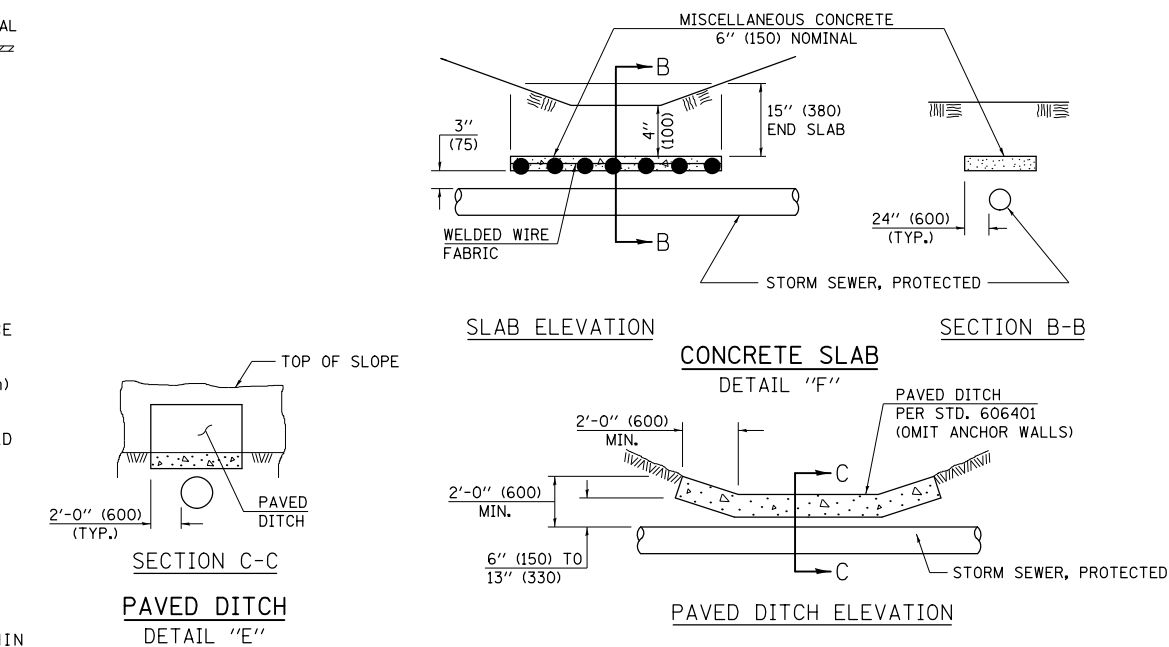
CONCRETE PIPE STANDARD SIZES	
STORM SEWER	RISER
6" (150)	6" (150)
8" (200)	6" (150)
10" (250)	8" (200)
12" (300)	8" (200)
OR GREATER	10" (250)

FOR PLASTIC PIPE, THE RISER MAY BE OF THE SAME SIZE AS THE PIPE, BUT SHALL NOT BE SMALLER THAN 4" (100 mm) DIAMETER.



GENERAL NOTES

- EXISTING FIELD TILE ENCOUNTERED BY EXPLORATION TRENCH SHALL BE INSPECTED BY THE ENGINEER FOR UNOBSTRUCTED FLOW WITHIN THE LIMITS OF THE RIGHT-OF-WAY.
- ONLY FIELD TILE THAT DOES NOT HAVE SATISFACTORY FLOW AND OR HAS VISIBLE SIGNS OF DETERIORATION (SINK HOLES, ETC.) SHALL BE REPLACED WITHIN THE LIMITS OF THE RIGHT-OF-WAY IN ACCORDANCE WITH METHOD "B".
- INSPECTION WELLS SHALL BE CONSTRUCTED APPROXIMATELY 6" (150 mm) INSIDE OF BOTH RIGHT-OF-WAY LINES AT ALL FIELD TILE LOCATIONS.
- EXISTING FIELD TILE ABANDONED UNDER EXISTING PAVEMENTS OR PAVED SHOULDERS SHALL BE FILLED WITH FLOWABLE GROUT AS DIRECTED BY THE ENGINEER. THIS WORK WILL BE PAID FOR ACCORDING TO ARTICLE 109.04.
- NON-CIRCULAR FIELD TILE SHALL BE REPLACED WITH STORM SEWER, SPECIAL OF AT LEAST THE SAME CROSS SECTIONAL AREA. ALL EXISTING FIELD TILE SHALL BE REPLACED WITH STORM SEWER OF THE TYPE REQUIRED FOR THE MINIMUM DEPTH OF COVER.
- THE 6" (150 mm) CONCRETE SLAB OR DITCH LINING SHALL BE POURED THE LENGTH OF THE TRENCH AT ALL DITCH FLOW LINE LOCATIONS WITHIN THE RIGHT-OF-WAY WITH LESS THAN 2' (600 mm) OF EARTH COVER. MISCELLANEOUS CONCRETE SHALL BE USED ACCORDING TO SECTION 611.
- ALL MISCELLANEOUS SLABS, APRONS AND DITCH LININGS SHALL BE REINFORCED WITH WELDED WIRE FABRIC AS SHOWN FOR PAVED DITCH IN STANDARD 606401.
- HEADWALL FOR BACKSLOPE OUTLET MAY BE USED FOR PIPE DRAIN DIAMETERS UP TO 10" (250 mm). SPECIAL DESIGNS WILL BE REQUIRED FOR LARGER SIZES.
- THE INSPECTION WELL LID FOR P.C.C. PIPE SHALL BE CONSTRUCTED OF 3/8" (10 mm) CAST IRON AND PROVIDED WITH A 1" (25 mm) DIAMETER HOLE IN CENTER. THE LID FOR THE OTHER PIPE MATERIALS SHALL BE A GRATE ASSEMBLY PREFABRICATED FOR AND COMPATIBLE WITH THE PIPE SYSTEM.



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\$MODELNAME\$	PLOT DATE = 10/18/2016	DATE -	REVISED -

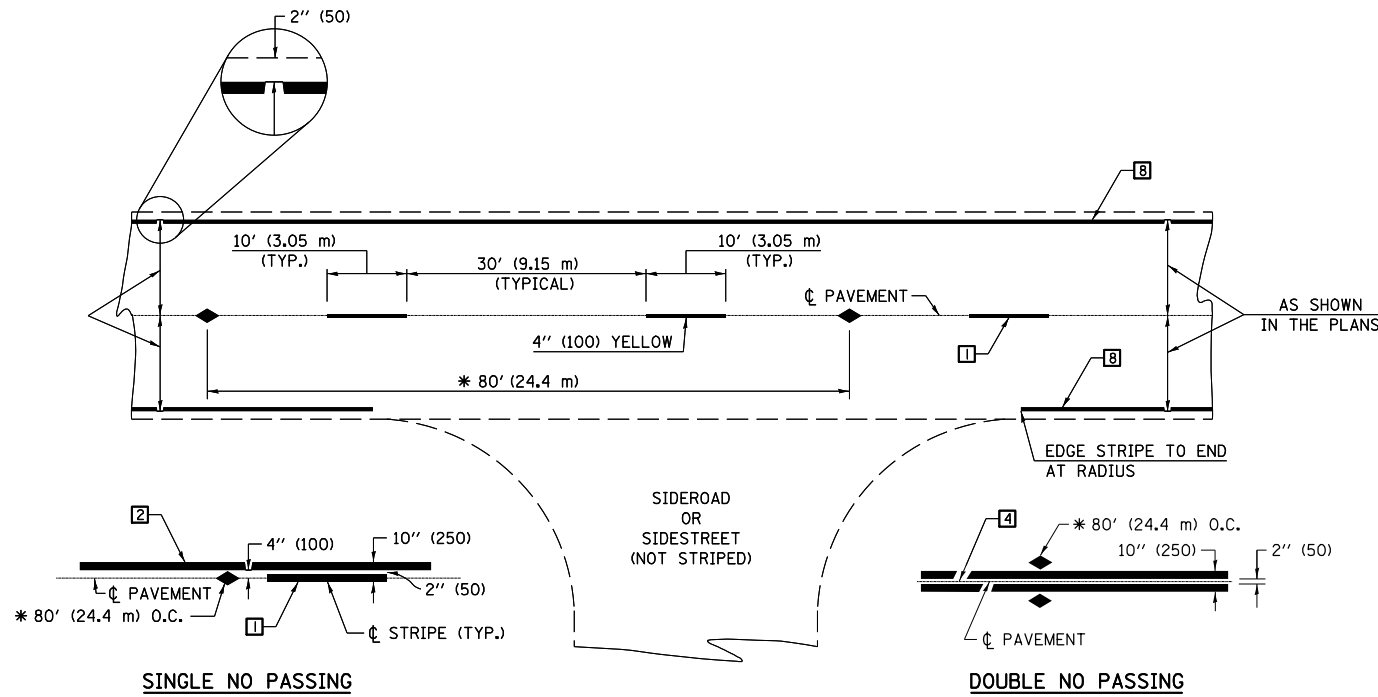
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

FIELD TILE SYSTEMS (TREATMENT OF EXISTING)

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

DISTRICT 5 DETAIL NO. 61101011A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	21BR-1	MCLEAN	54	28
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ILLINOIS FED. AID PROJECT				



* REDUCE TO 40' (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 mph (70 km/h) OR LESS.

TWO LANE/TWO WAY

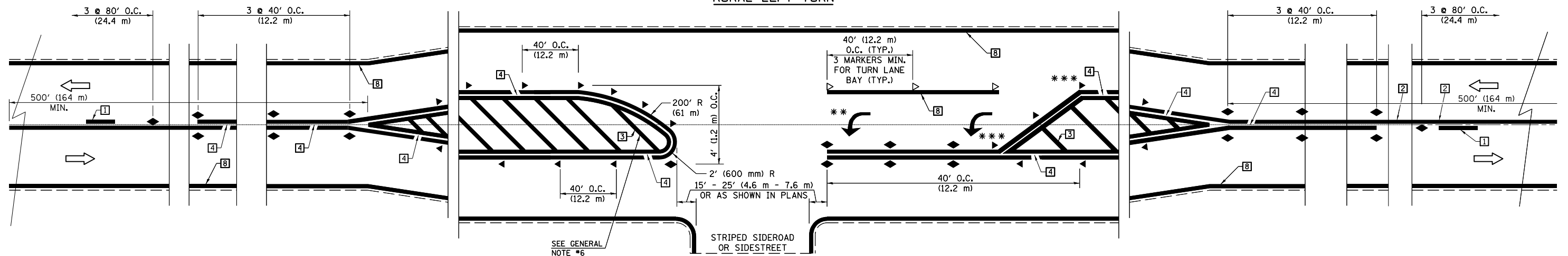
TYPICAL PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
 - 2 4" (100) SOLID (YELLOW)
 - 3 12" (300) DIAGONAL (YELLOW)
 - 4 4" (100) DOUBLE YELLOW (NARROW)
 - 5 RESERVED
 - 6 RESERVED
 - 7 4" (100) SKIP-DASH (WHITE)
 - 8 4" (100) SOLID (WHITE)
 - 9 12" (300) DIAGONAL (WHITE)
 - 10 6" (150) SOLID (WHITE)
 - 11 24" (600) STOP BAR (WHITE)
 - 12 8" (200) SOLID (WHITE)
 - 13 4" (100) LANE LINE EXTENSIONS (WHITE)
 - 14 4" (100) PARKING WHITE
-

TYPICAL PAVEMENT MARKERS LEGEND

- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER

RURAL LEFT TURN



*** REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.

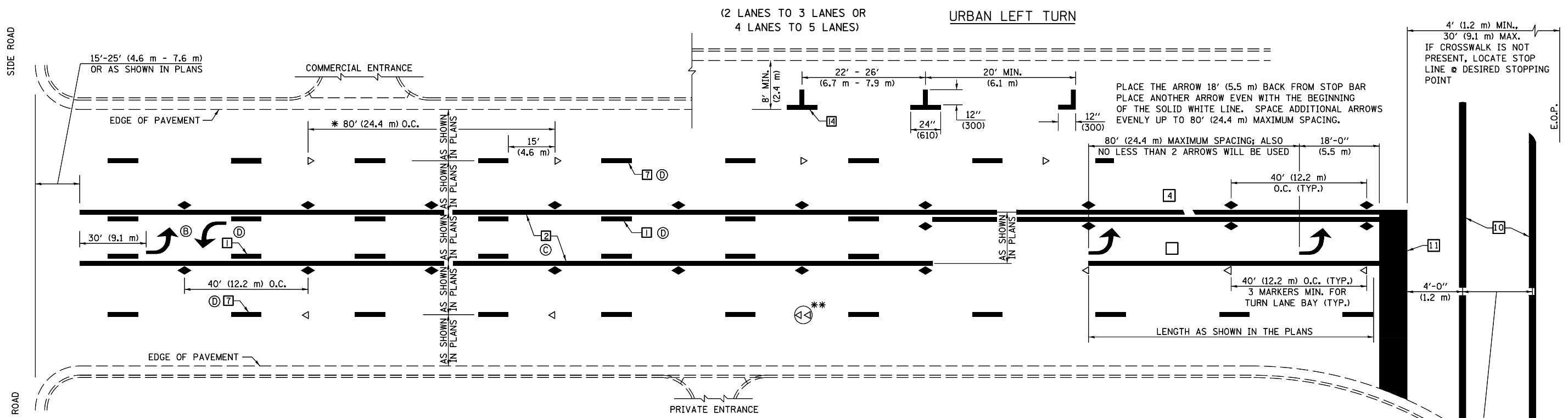
** TURN ARROWS SHALL BE PLACED AS SHOWN ON SHEET #2.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 7800AAAA

FILE NAME =	USER NAME = ceerlockjd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND MARKERS (RURAL AND URBAN APPLICATIONS)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\IL\084EBIDINTEG\illinois.gov\PIWIDOT\Documents\DOT Offices\District 5\Projects\0504\Drawings\Design\0570576-shd-Detail.dwg	PLotted	CHECKED -	REVISED -			693	21BR-1	MCLEAN	54	29	
MODELNAME	DATE = 10/18/2016	DATE -	REVISED -			CONTRACT NO. 70576					
						ILLINOIS FED. AID PROJECT					

SCALE: SHEET 1 OF 4 SHEETS STA. TO STA.

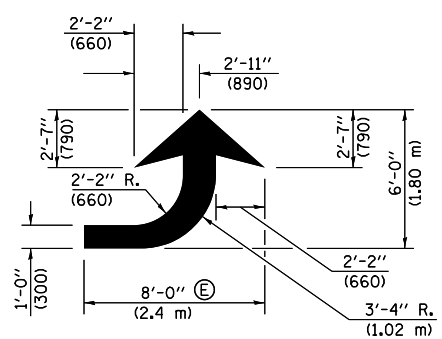


* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

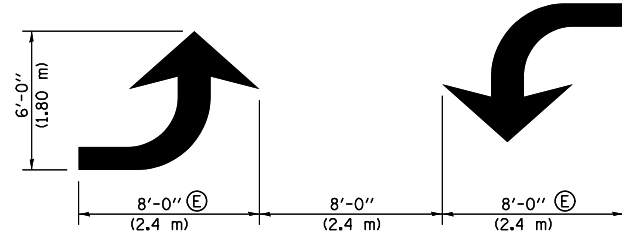
GENERAL NOTES:

- (B) TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE.
- (C) THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
- (D) THE SKIP-DASH PAVEMENT MARKINGS [1] OR [7] SHOULD BE CENTERED BETWEEN BOTH ENDS OF EACH CITY BLOCK AND SHALL BE PLACED SO THEY LINE UP ACROSS FROM EACH OTHER. SEE EXAMPLE ON SHEET 2 OF 3.
- (E) USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)



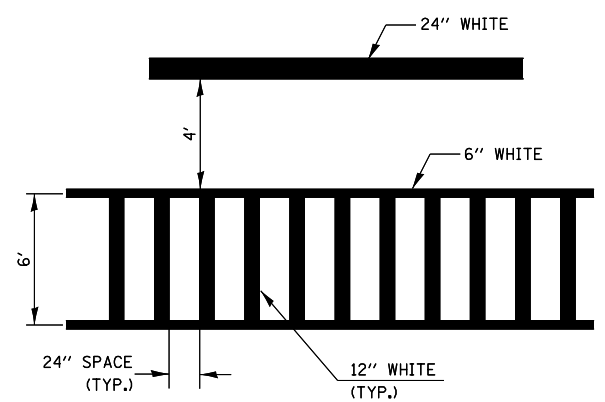
LEFT ARROW

REVERSE FOR RIGHT ARROW
AREA = 15.6 SQ. FT. (1.47 m²)
(WHITE)

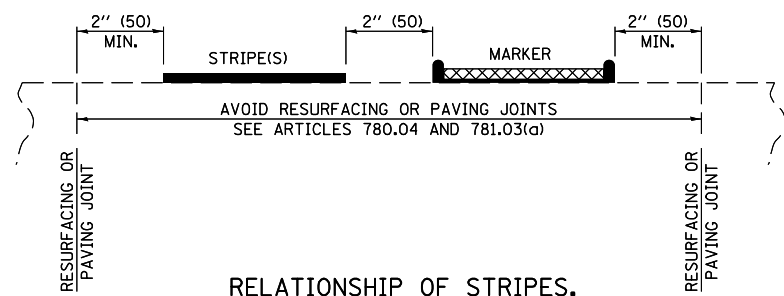


TYPICAL DOUBLE TURN ARROWS (WHITE)

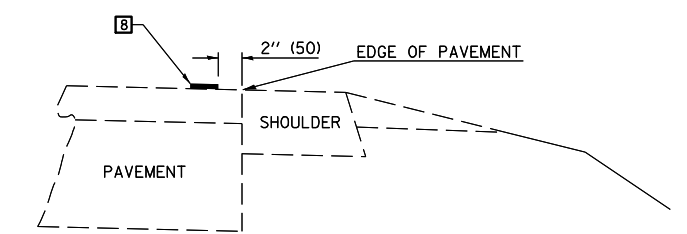
BLOOMINGTON-NORMAL CITY LIMITS ONLY



TYPICAL SPACING FOR CROSSWALKS & STOP BARS



RELATIONSHIP OF STRIPES, MARKERS AND JOINTS

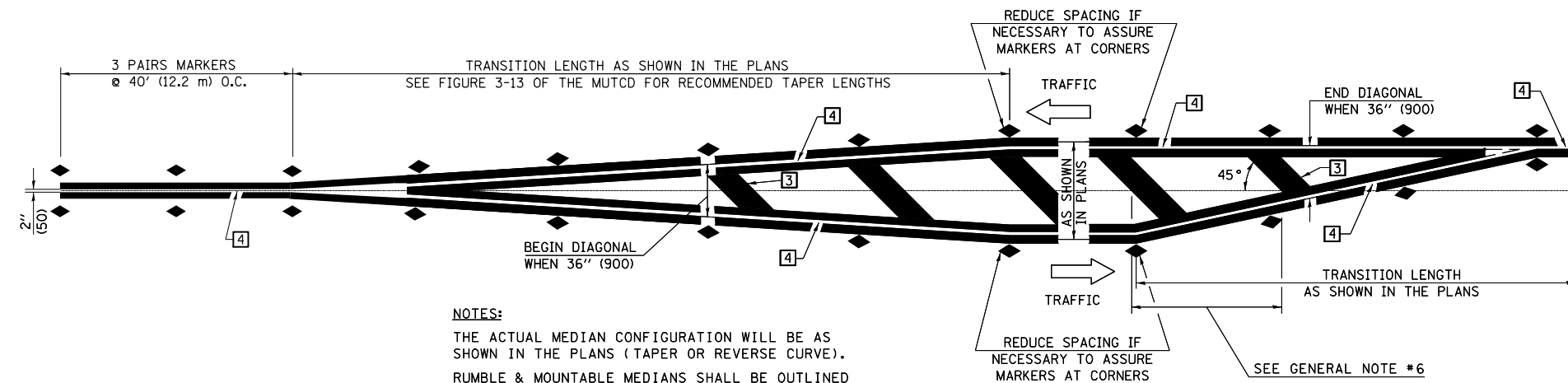


RELATIONSHIP OF EDGE LINE TO EDGE OF PAVEMENT (SAFETY SHOULDER OR PAVED SURFACE) SEE ARTICLE 780.04

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

DISTRICT 5 DETAIL NO. 7800AAAA

FILE NAME =	USER NAME = ceorlockjd	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT MARKING AND MARKERS (RURAL AND URBAN APPLICATIONS)	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\11\084EBIDINTEG.illinois.gov\PIWIDOT\Documents\DOT Offices\District 5\Projects\0504\Drawings\Design\0570576-shd-Detail.dwg		CHECKED -	REVISED -			693	21BR-1	MCLEAN	54	30	
MODELNAME	PLOT DATE = 10/18/2016	DATE -	REVISED -			CONTRACT NO. 70576					
						ILLINOIS FED. AID PROJECT					

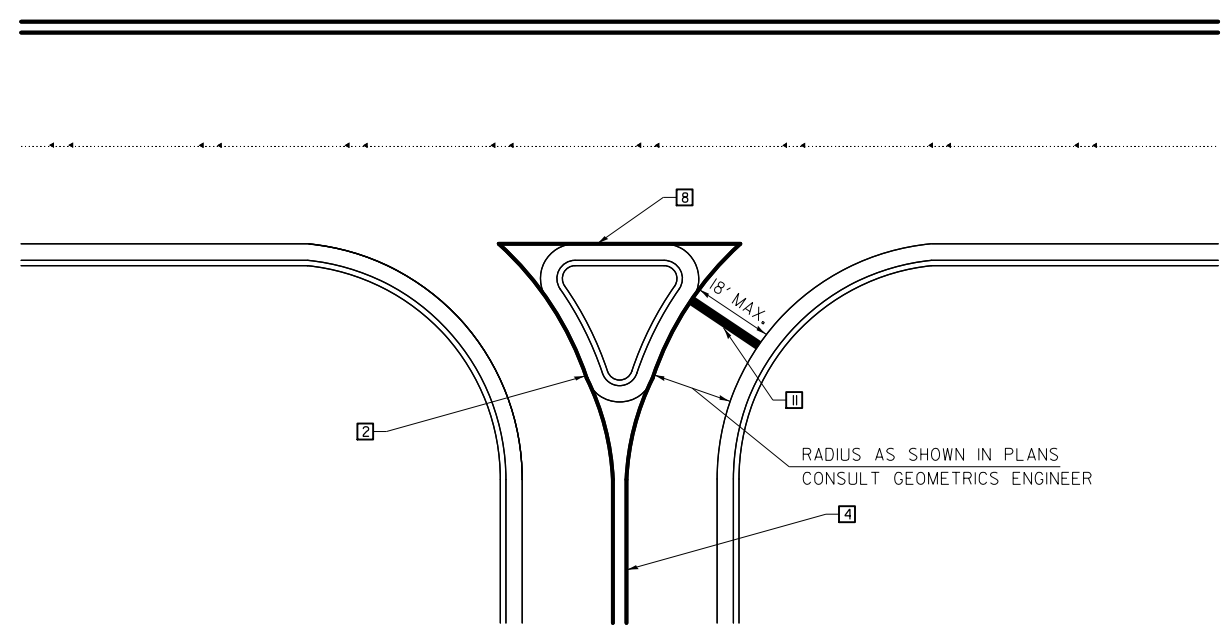


NOTES:
 THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).
 RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

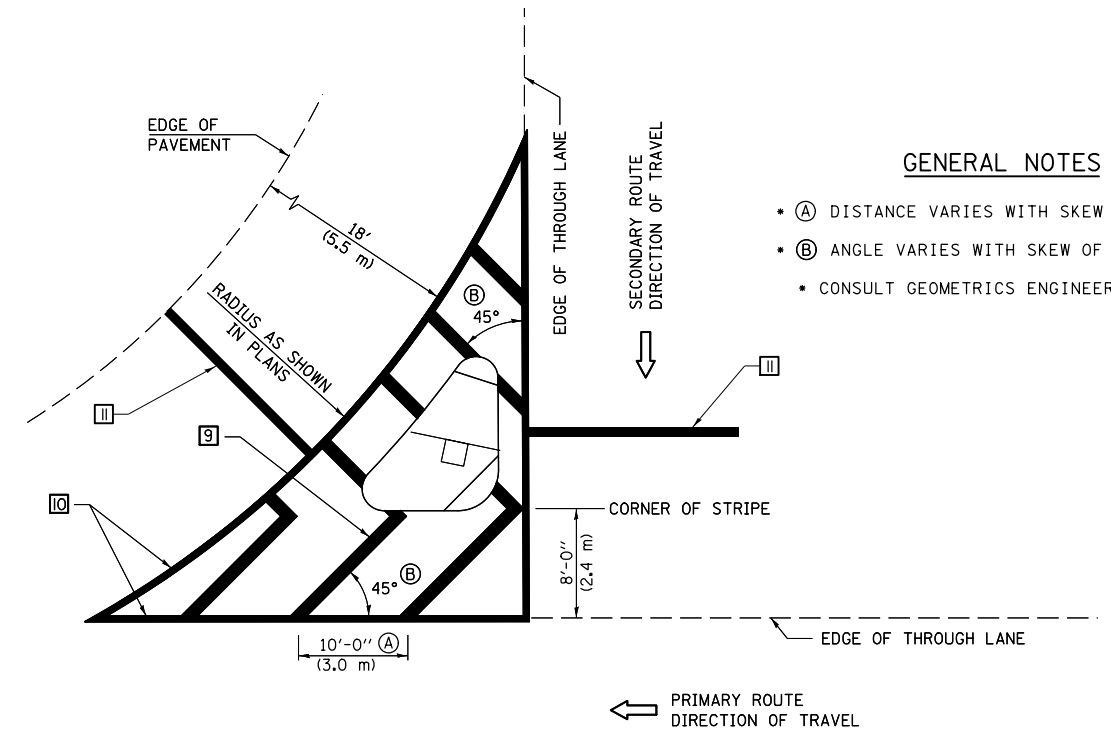
TYPICAL MEDIAN TRANSITIONS

GENERAL NOTES

1. WHEN MEDIANS ARE PRESENT, PAVEMENT MARKINGS ARE TO BE PLACED ADJACENT TO MEDIANS.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. A STRIPING KEY IS AVAILABLE ELSEWHERE AND SHALL BE SHOWN WHERE THE QUANTITIES ARE LISTED.
5. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
6. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING,
 < 30 MPH USE 15' (< 50 km/h USE 4.5 m)
 30-45 MPH USE 20' (50-75 km/h USE 6.0 m)
 > 45 MPH USE 30' (> 75 km/h USE 9.0 m)



RIGHT IN - RIGHT OUT ACCESS



ISLAND

GENERAL NOTES

- (A) DISTANCE VARIES WITH SKEW OF INTERSECTION.
- (B) ANGLE VARIES WITH SKEW OF INTERSECTION.
- CONSULT GEOMETRICS ENGINEER

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

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\$MODELNAME\$	PLOT DATE = 10/18/2016	DATE -	REVISED -

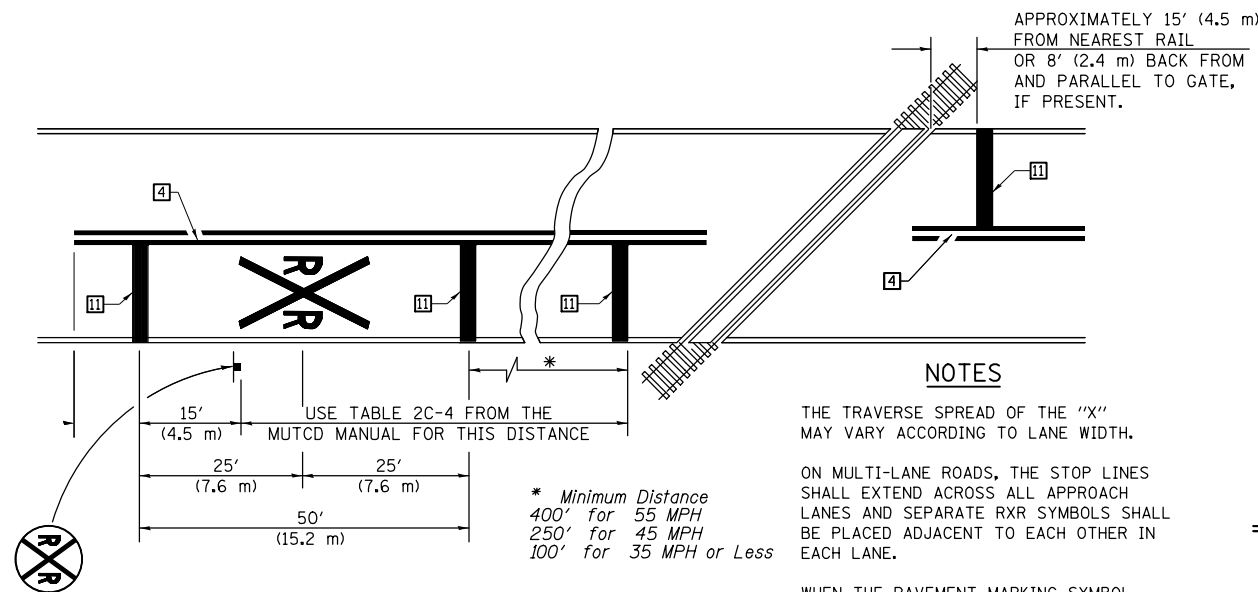
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING AND MARKERS
 (RURAL AND URBAN APPLICATIONS)**

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

DISTRICT 5 DETAIL NO. 7800AAAA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	21BR-1	MCLEAN	54	31
CONTRACT NO. 70576				
ILLINOIS FED. AID PROJECT				



PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

NOTES

THE TRAVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.

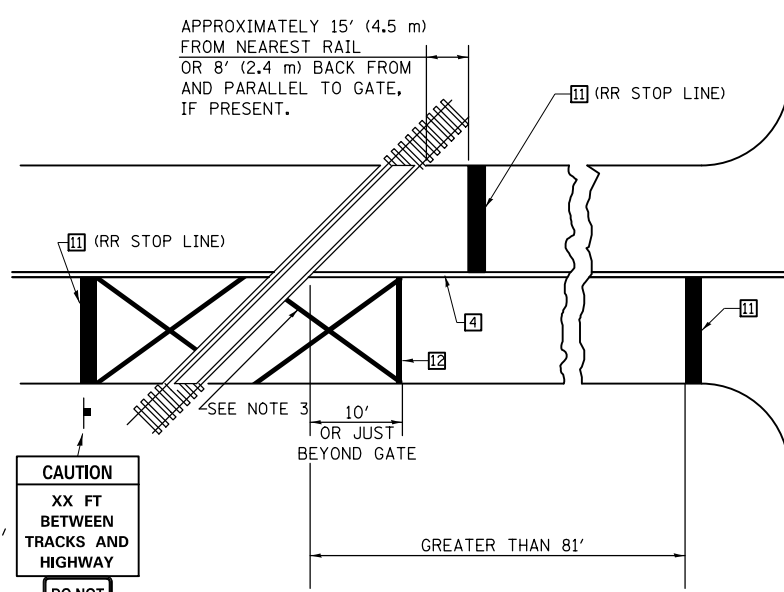
ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

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.

* Minimum Distance
 400' for 55 MPH
 250' for 45 MPH
 100' for 35 MPH or Less



RAILROAD CROSSING WITH INTERCONNECT ONLY



W10-I100
30'' X 36''

CAUTION
XX FT
BETWEEN
TRACKS AND
HIGHWAY

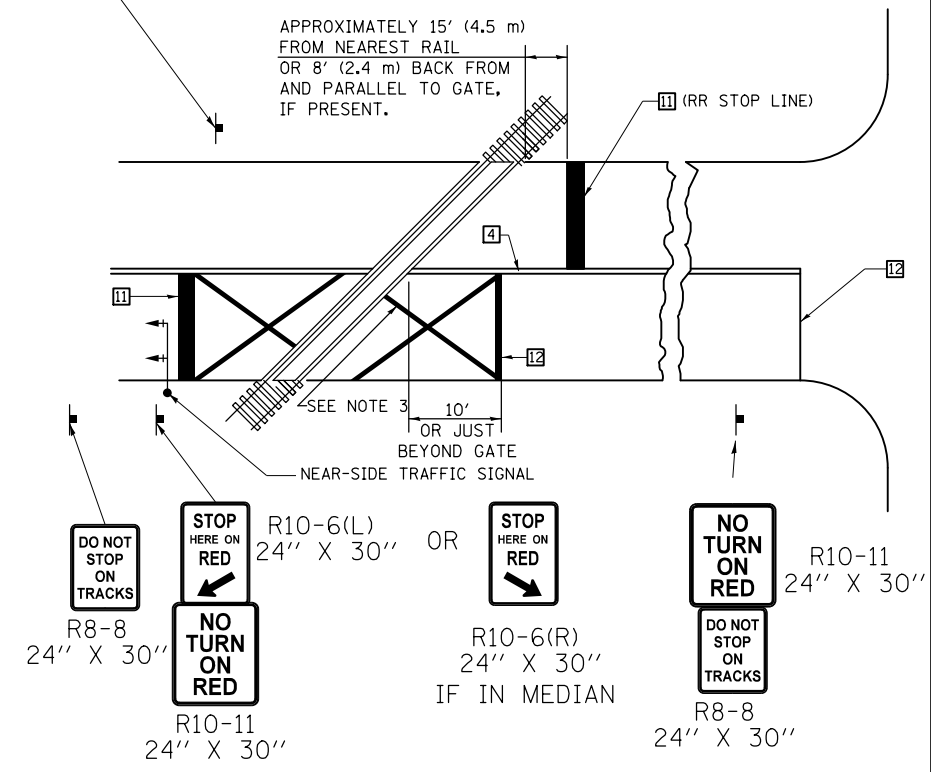
DO NOT
STOP ON
TRACKS

R8-8
24'' X 30''

DO NOT
STOP ON
TRACKS

(R8-8)
24'' x 30''

RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



DO NOT
STOP ON
TRACKS

R8-8
24'' X 30''

STOP
HERE ON
RED

R10-6(L)
24'' X 30''

OR

STOP
HERE ON
RED

R10-6(R)
24'' X 30''
IF IN MEDIAN

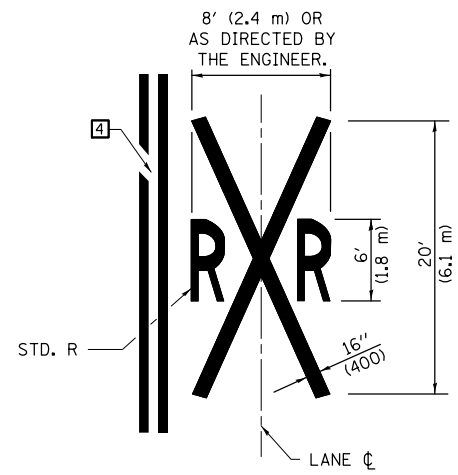
NO
TURN
ON
RED

R10-11
24'' X 30''

DO NOT
STOP ON
TRACKS

R8-8
24'' X 30''

SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING



ALTERNATE SIGNS

STOP
HERE
ON
RED

R10-6a(L)
24'' X 30''

STOP
HERE
ON
RED

R10-6a(R)
24'' X 30''

GENERAL NOTES

- SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.
- 6" WHITE PAVEMENT MARKINGS AT 45° TO PAVEMENT, 8' CENTER TO CENTER.
- XX DISTANCE TO BE SHOWN ON SIGN MEASURED FROM A POINT 6 FEET FROM THE RAIL CLOSEST TO THE INTERSECTION OR FROM THE CLOSEST POINT ALONG THE EXIT GATE IF PRESENT OVER THE ROADWAY WHEN IN THE LOWERED POSITION TO THE STOP BAR OR CROSSWALK, WHICH EVER IS CLOSEST, ROUNDED DOWN TO NEAREST 5 FEET. WHERE THERE IS NO STOP LINE, MEASURE TO POINT WHERE DRIVER HAS A VIEW OF APPROACHING TRAFFIC.
- THE CLEARANCE SIGN IS ALSO TO BE USED AS AN INTERIM MEASURE AT LOCATIONS WITH INTERCONNECTED INTERSECTION TRAFFIC SIGNALS WHERE IT IS PLANNED TO CHANGE THEM TO NEAR-SIDE SIGNALS AT A FUTURE TIME. IN THIS CASE, THE DISTANCE TO BE SHOWN ON THE SIGN IS MEASURED FROM THE EDGE OF THE STRIPED-OUT AREA INSTEAD OF 6 FEET FROM THE RAIL. THE SIGN IS TO BE REMOVED WHEN THE NEAR-SIDE SIGNALS ARE INSTALLED AND THE PAVEMENT MARKINGS EXTENDED TO THE INTERSECTION.

Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

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	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
\$MODELNAME\$	PLOT DATE = 10/18/2016	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND MARKERS
(RURAL AND URBAN APPLICATIONS)

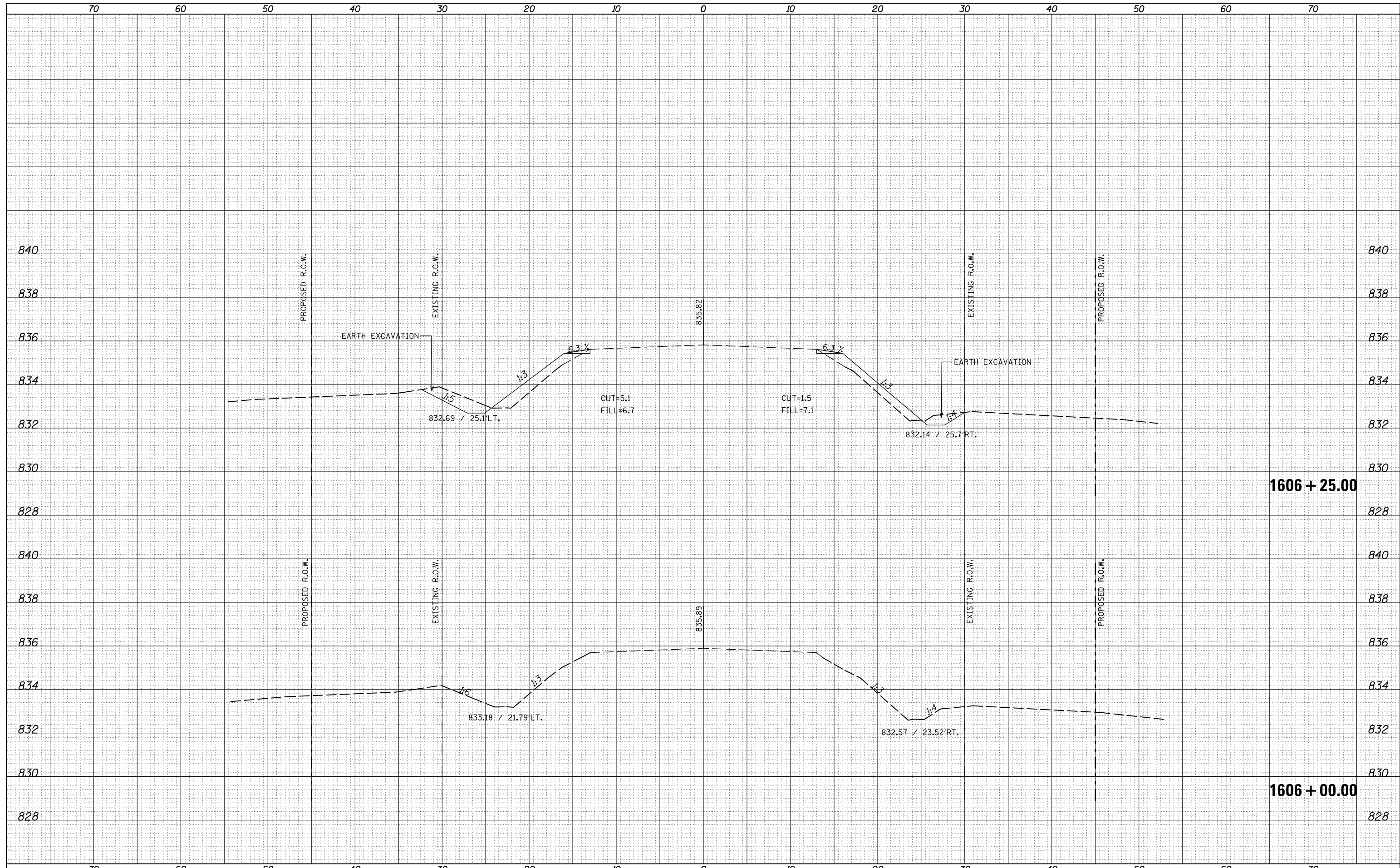
SCALE: SHEET 4 OF 4 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 7800AAAA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	21BR-1	MCLEAN	54	32
CONTRACT NO. 70576				
ILLINOIS FED. AID PROJECT				

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

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



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USER NAME = ceerlockjd	DESIGNED -	REVISIED -
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PLOT SCALE = 10.0000' / in.	DATE -	REVISIED -
PLOT DATE = 10/18/2016		

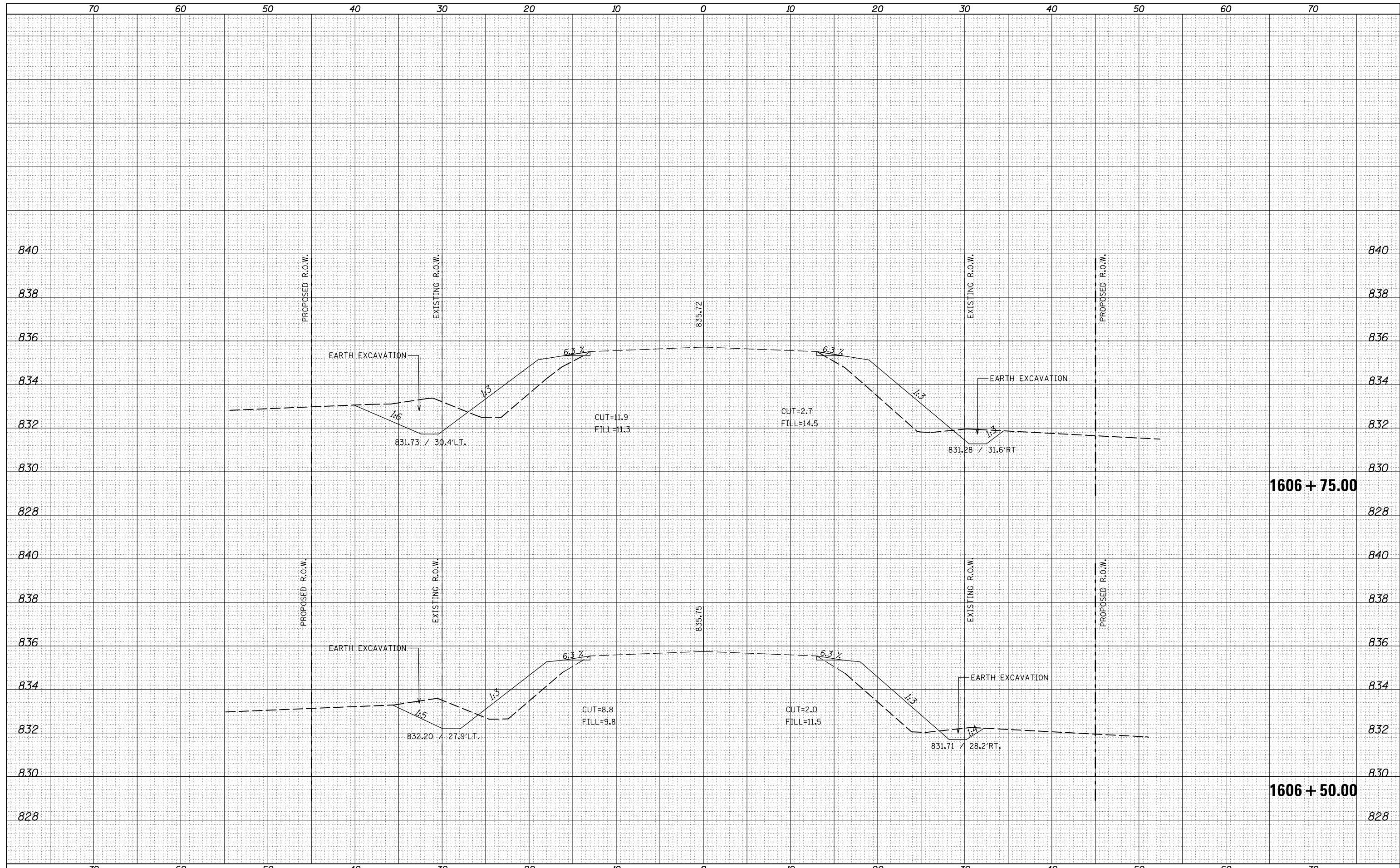
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ROUTE 9 CROSS SECTIONS
 SCALE: 20 SHEET 1 OF 13 SHEETS STA. 1606+00.00 TO STA. 1606+25.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	21BR-1	MCLEAN	54	33
CONTRACT NO. 70576			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINAL SURVEY	
SURVEYED	
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NOTE BOOK	
AREAS CHECKED	
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DATE	
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ORIGINAL SURVEY	
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PLLOT DATE = 10/18/2016	DATE -	REVISIED -

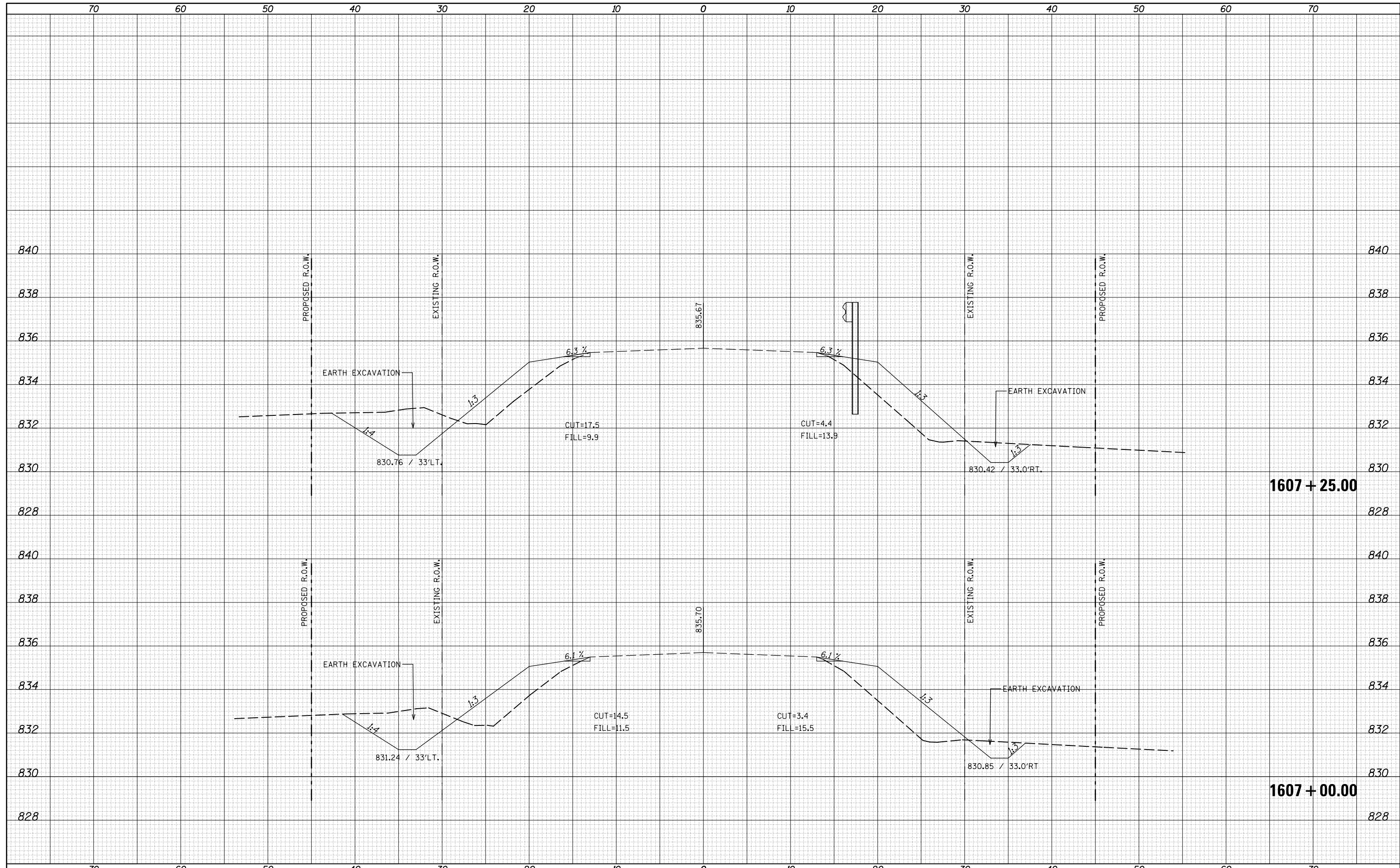
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ROUTE 9 CROSS SECTIONS
 SCALE: 20 SHEET 2 OF 13 SHEETS STA. 1606+50.00 TO STA. 1606+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	21BR-1	MCLEAN	54	34
CONTRACT NO. 70576			ILLINOIS FED. AID PROJECT	

DATE	
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FINAL SURVEY	
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NOTE BOOK	
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USER NAME = ceerlockjd	DESIGNED -	REVISIED -
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PLLOT DATE = 10/18/2016	DATE -	REVISIED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

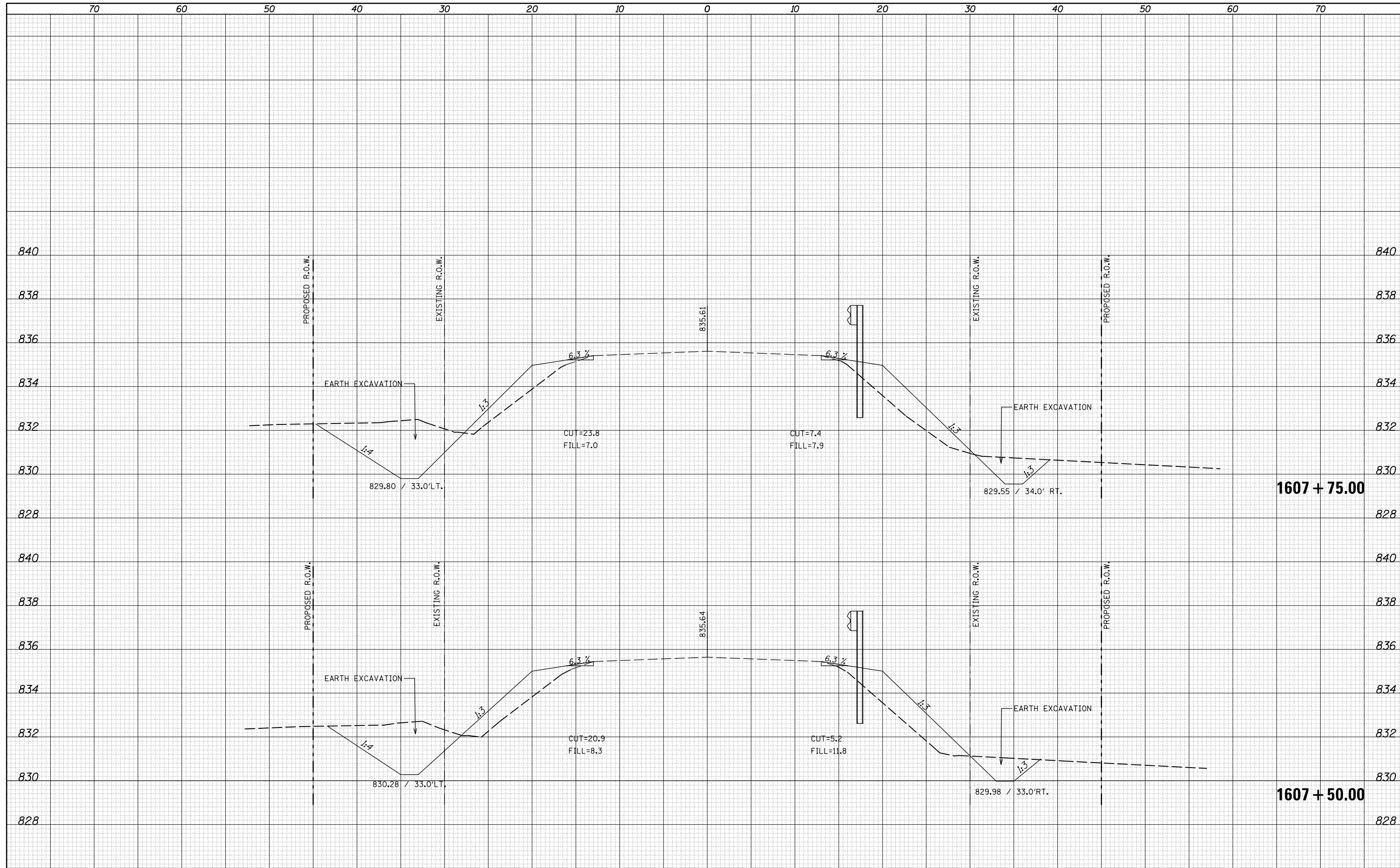
ROUTE 9 CROSS SECTIONS

SCALE: 20 SHEET 3 OF 13 SHEETS STA. 1607+00.00 TO STA. 1607+25.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	21BR-1	MCLEAN	54	35
CONTRACT NO. 70576			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINAL SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
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USER NAME = ceerlockjd	DESIGNED -	REVISIED -
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PLLOT DATE = 10/18/2016	DATE -	REVISIED -

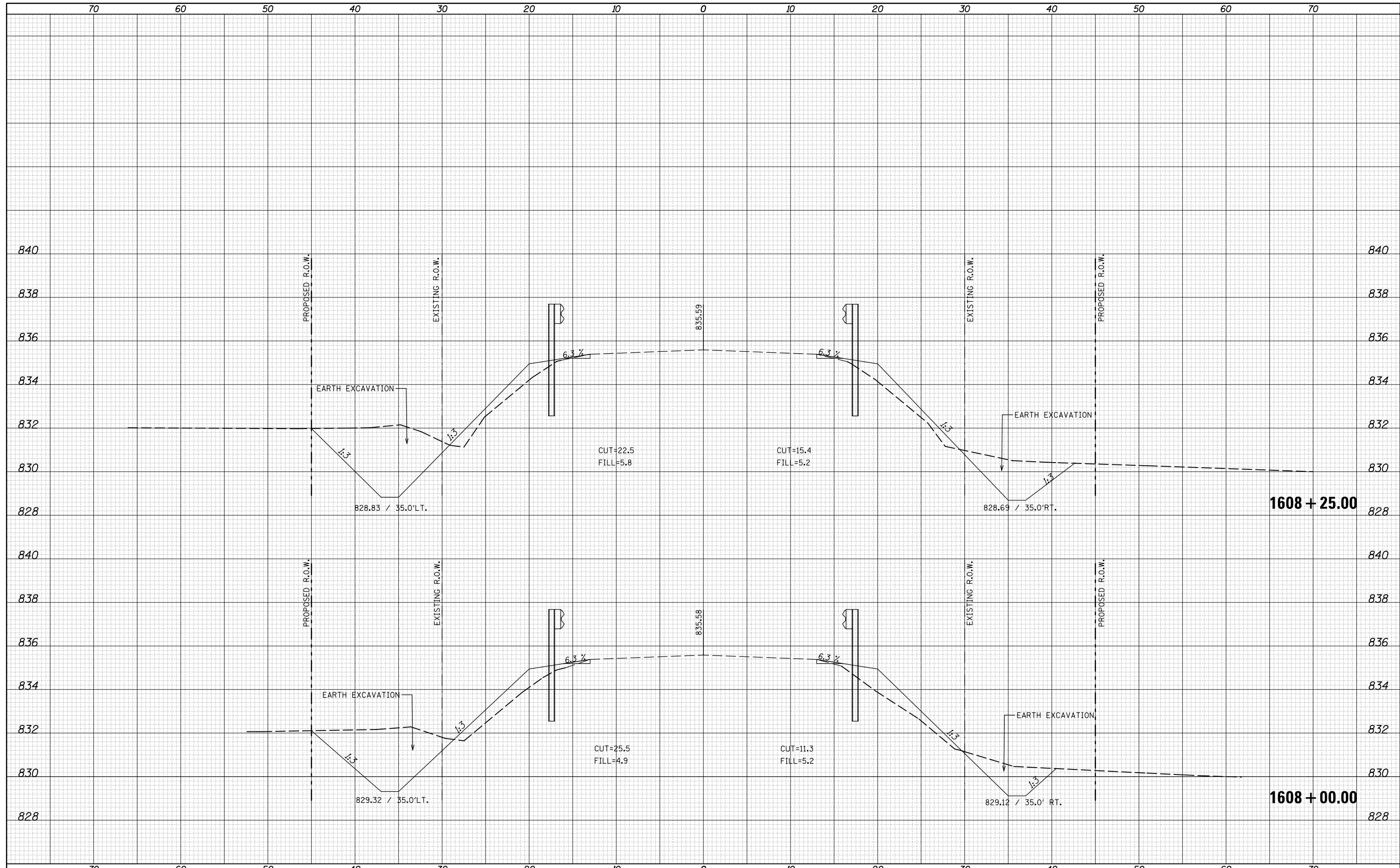
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ROUTE 9 CROSS SECTIONS
 SCALE: 20 SHEET 4 OF 13 SHEETS STA. 1607+50.00 TO STA. 1607+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	21BR-1	MCLEAN	54	36
CONTRACT NO. 70576				
ILLINOIS FED. AID PROJECT				

DATE	
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FINAL SURVEY	
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NOTE BOOK	
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FILE NAME =
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USER NAME = ceerlockjd	DESIGNED -	REVISIED -
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PLOT SCALE = 10.0000' / in.	CHECKED -	REVISIED -
PLOT DATE = 10/18/2016	DATE -	REVISIED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

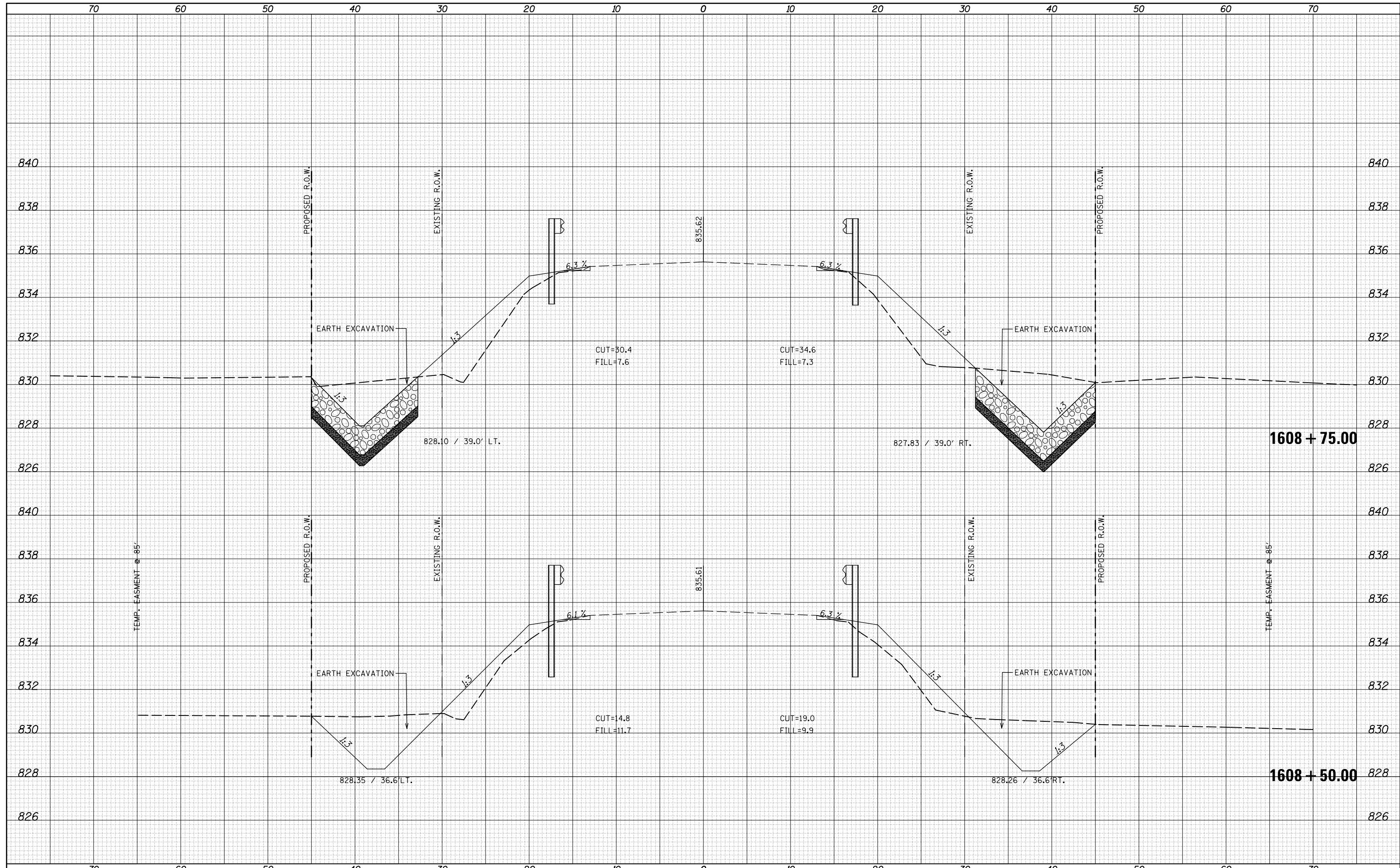
ROUTE 9 CROSS SECTIONS

SCALE: 20 SHEET 5 OF 13 SHEETS STA. 1608+00.00 TO STA. 1608+25.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	21BR-1	MCLEAN	54	37
CONTRACT NO. 70576			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINISHED SURVEY	
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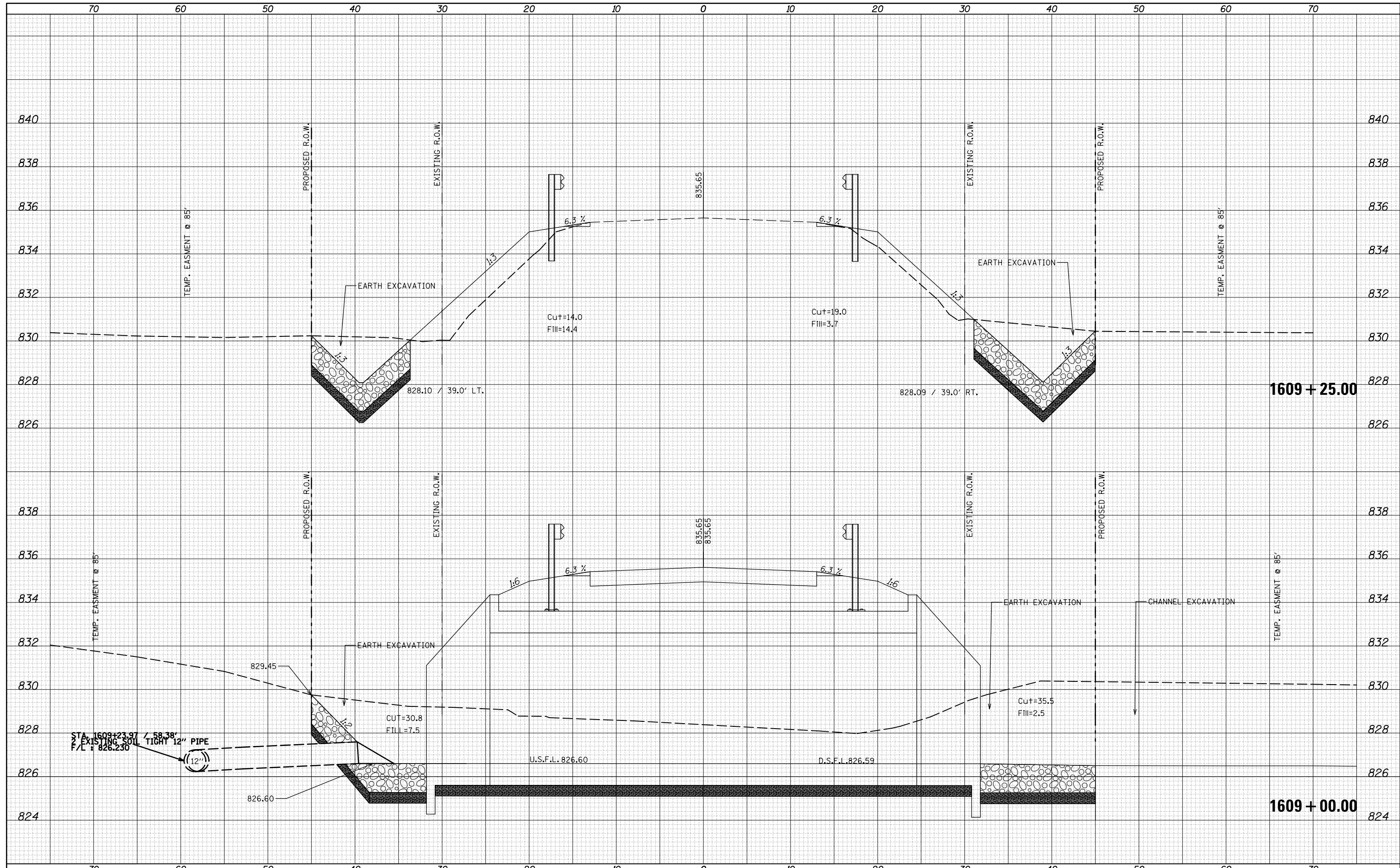
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CONTRACT NO. 70576	SCALE: 20	SHEET 6 OF 13 SHEETS	STA. 1608+50.00 TO STA. 1608+75.00	ILLINOIS FED. AID PROJECT				

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROUTE 9 CROSS SECTIONS

DATE	
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ORIGINAL SURVEY	
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FILE NAME =
 USER NAME = ceerlockjd
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 REVISIONS -
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 PLOT DATE = 10/18/2016

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 REVISIONS -
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 DATE -

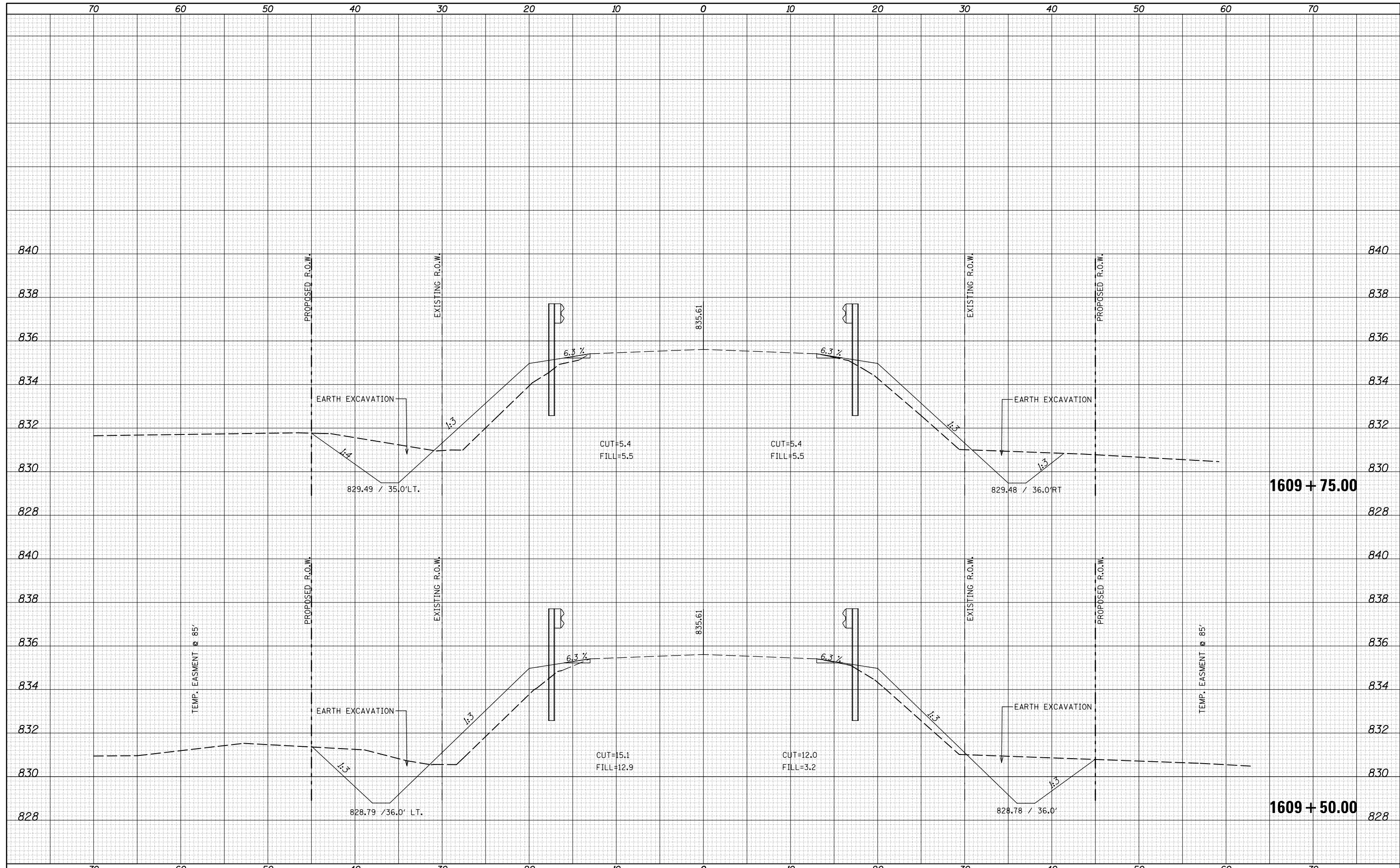
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

ROUTE 9 CROSS SECTIONS
 SCALE: 20
 SHEET 7 OF 13 SHEETS
 STA. 1609+00.00 TO STA. 1609+25.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	21BR-1	MCLEAN	54	39
CONTRACT NO. 70576				
ILLINOIS FED. AID PROJECT				

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FINAL SURVEY	
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USER NAME = cealockjd	DESIGNED -	REVISIED -
NOTED BOOK	REVISIED -	REVISIED -
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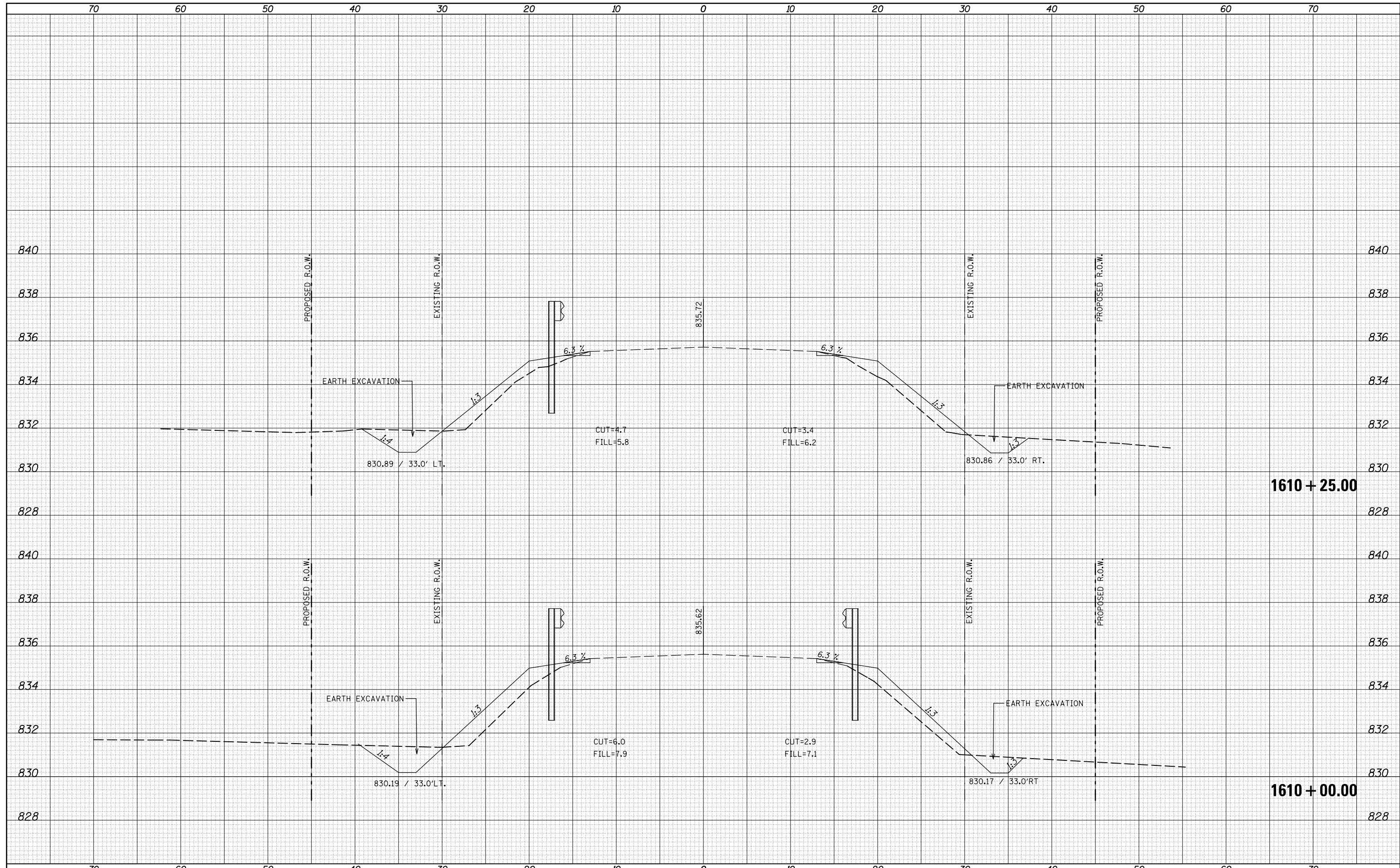
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ROUTE 9 CROSS SECTIONS
 SCALE: 20 SHEET 8 OF 13 SHEETS STA. 1609+50.00 TO STA. 1609+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	21BR-1	MCLEAN	54	40
CONTRACT NO. 70576			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINAL SURVEY	
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NOTE BOOK	
AREAS CHECKED	

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ORIGINAL SURVEY	
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FILE NAME =
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USER NAME = ceerlockjd	DESIGNED -	REVISIED -
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DATE = 10/18/2016	DATE -	REVISIED -

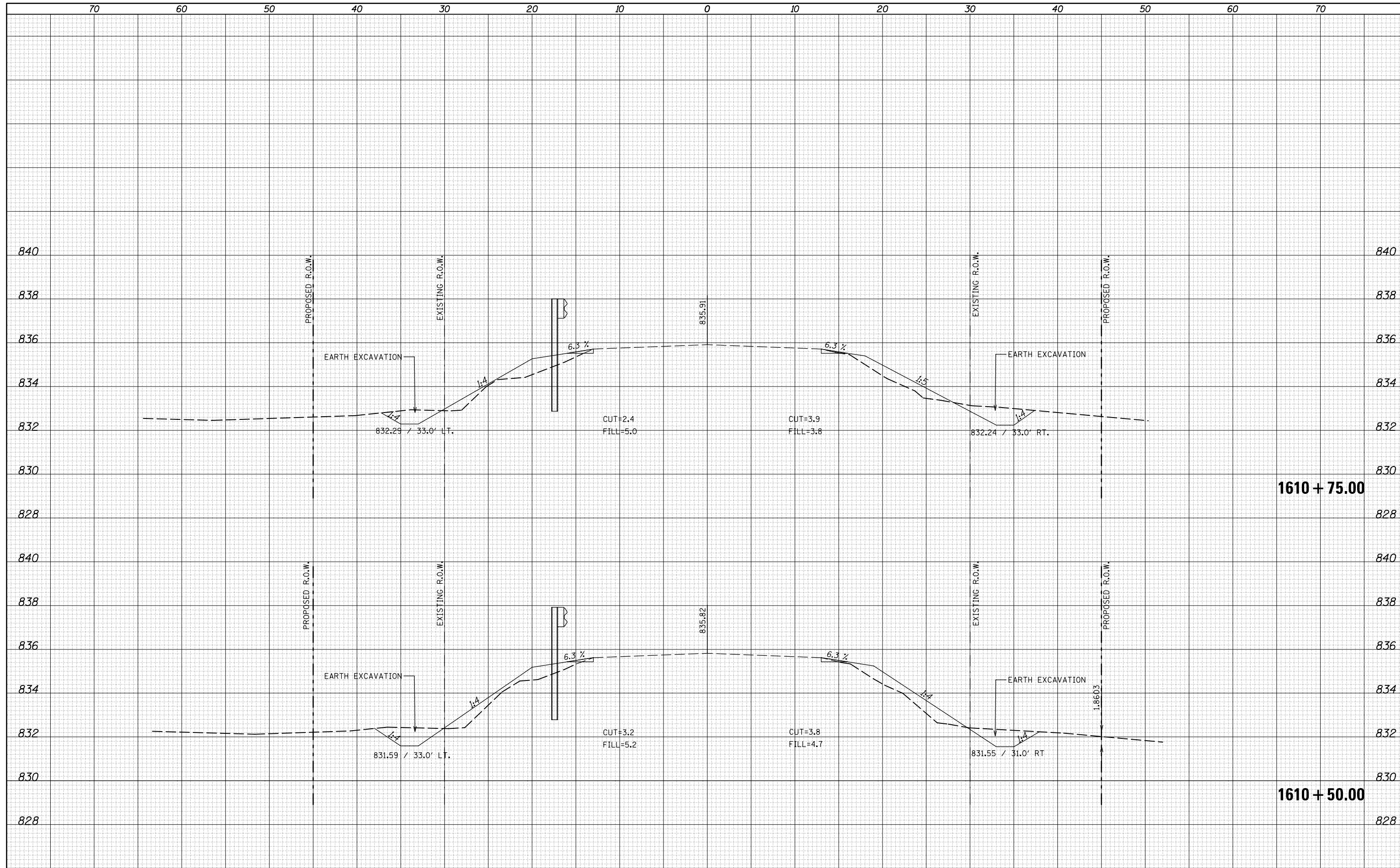
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ROUTE 9 CROSS SECTIONS
 SCALE: 20 SHEET 9 OF 13 SHEETS STA. 1610+00.00 TO STA. 1610+25.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	21BR-1	MCLEAN	54	41
CONTRACT NO. 70576			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINAL SURVEY	
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NOTE BOOK	
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FILE NAME =
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USER NAME = ceerlockjd	DESIGNED -	REVISIED -
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PLOT DATE = 10/18/2016	DATE -	REVISIED -

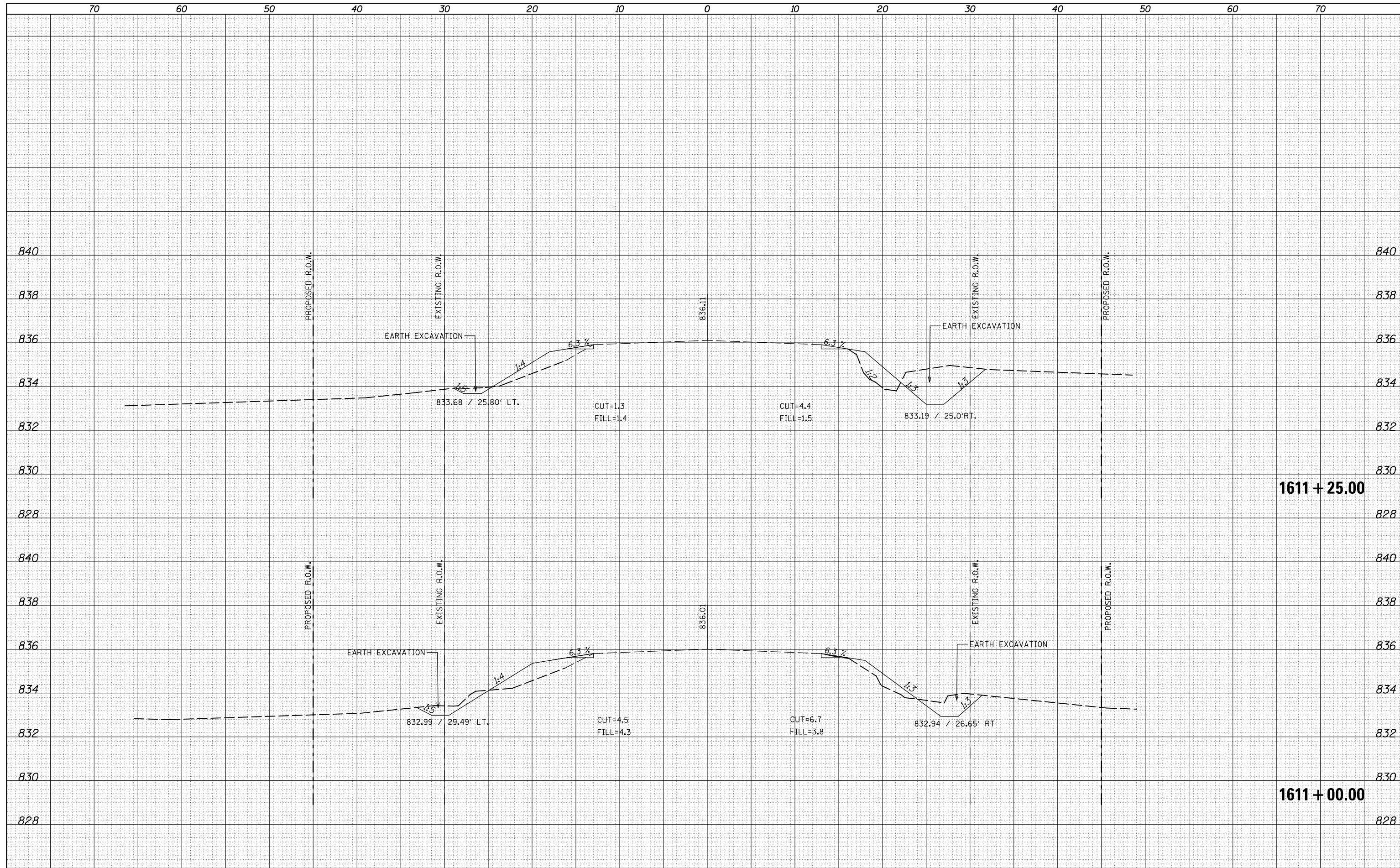
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ROUTE 9 CROSS SECTIONS
 SCALE: 20 SHEET 10 OF 13 SHEETS STA. 1610+50.00 TO STA. 1610+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	21BR-1	MCLEAN	54	42
CONTRACT NO. 70576			ILLINOIS FED. AID PROJECT	

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BY	
FINAL SURVEY	
SURVEYED	
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NOTE BOOK	
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FILE NAME =
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USER NAME = ceerlockjd	DESIGNED -	REVISIED -
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PLOT DATE = 10/18/2016	DATE -	REVISIED -

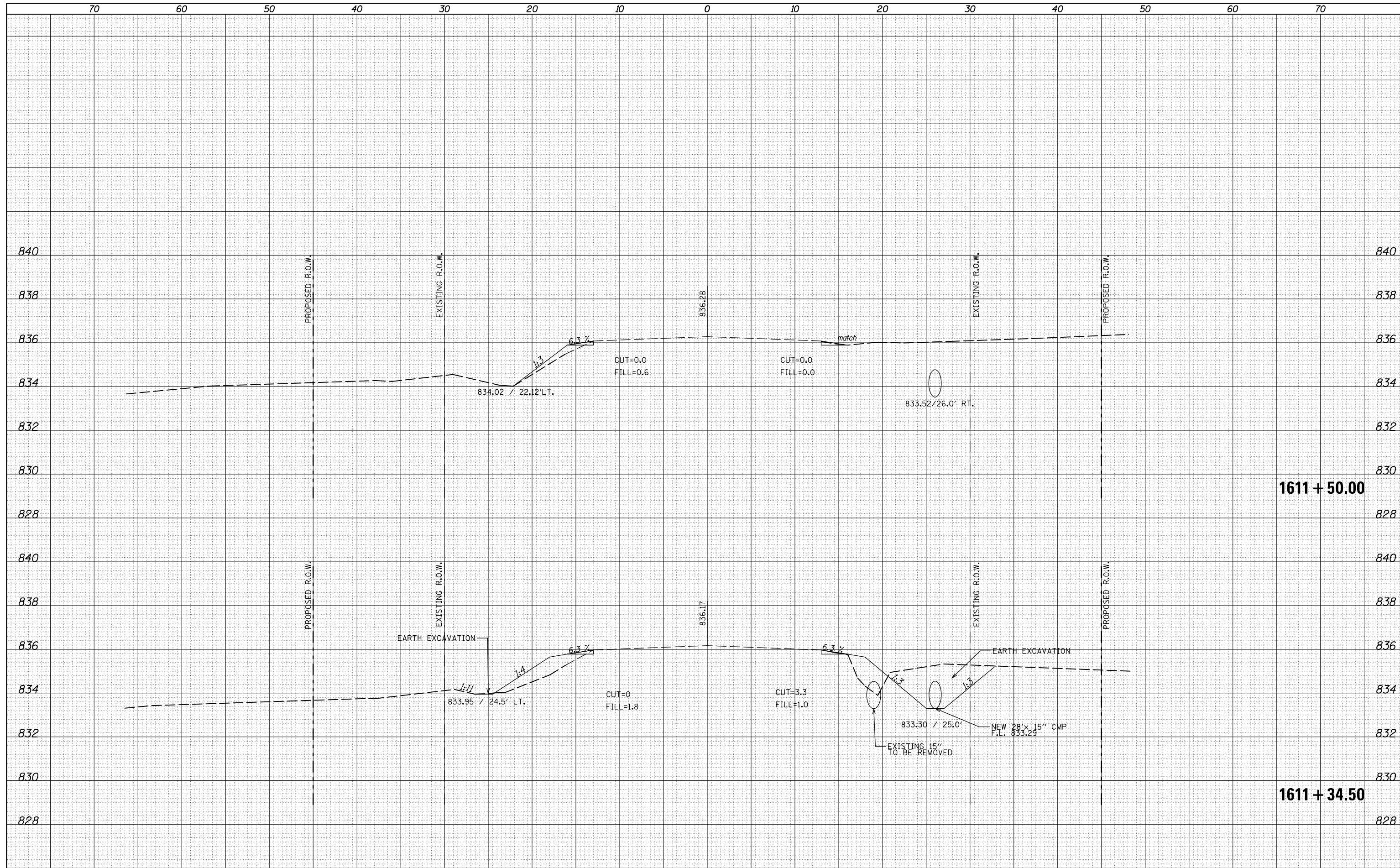
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ROUTE 9 CROSS SECTIONS
 SCALE: 20 SHEET 11 OF 13 SHEETS STA. 1611+00.00 TO STA. 1611+25.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	21BR-1	MCLEAN	54	43
			CONTRACT NO. 70576	
ILLINOIS FED. AID PROJECT				

DATE	
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FINAL SURVEY	
NOTE BOOK	
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USER NAME =	Murphy	DESIGNED -	REVISOR -
PROJECT	0504407	CHECKED -	REVISOR -
DATE	10/19/2016	DATE -	REVISOR -

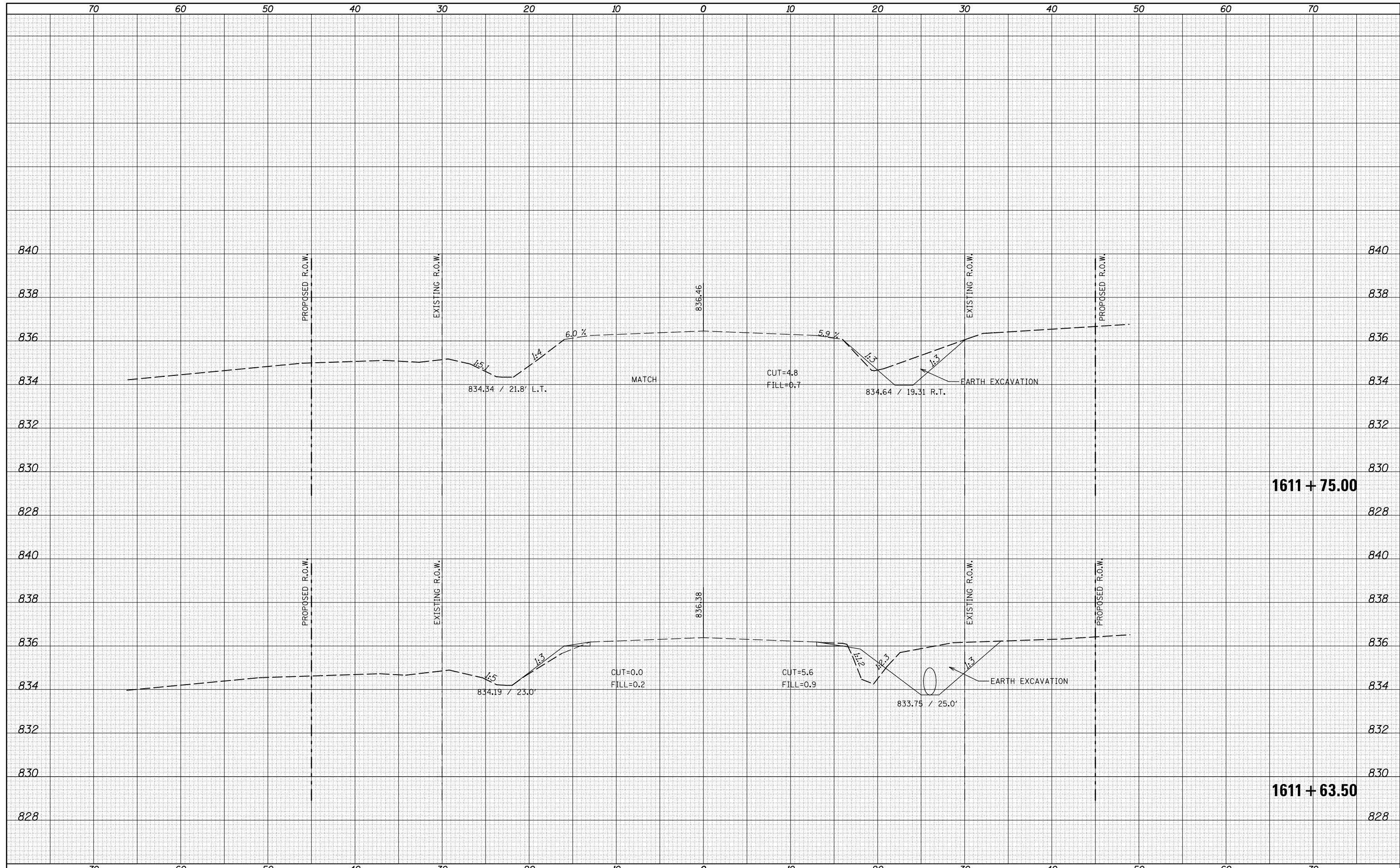
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ROUTE 9 CROSS SECTIONS
 SCALE: 20 SHEET 12 OF 13 SHEETS STA. 1611+34.50 TO STA. 1611+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	21BR-1	MCLEAN	54	44
			CONTRACT NO. 70576	
ILLINOIS FED. AID PROJECT				

DATE	
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FINAL SURVEY	
SURVEYED PLOTTED	
NOTE BOOK	
AREAS CHECKED	
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ORIGINAL SURVEY	
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1611 + 75.00

1611 + 63.50

FILE NAME =	USER NAME = ceerlockjd	DESIGNED -	REVISIED -	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
p:\11084EBIDINTEG\Illinois.gov\PIDOT\Documents\IDOT Offices\District 5\Projects\0504407\CAD\Drawn\0570576-sht-XS-IL-9_xs.dgn		REVISIED -	REVISIED -	693	21BR-1	MCLEAN	54	45
PLOT SCALE = 10.0000 "/td> <td>CHECKED -</td> <td>REVISIED -</td> <td>REVISIED -</td> <td colspan="4">CONTRACT NO. 70576</td>	CHECKED -	REVISIED -	REVISIED -	CONTRACT NO. 70576				
PLOT DATE = 10/18/2016	DATE -	REVISIED -	REVISIED -	ILLINOIS FED. AID PROJECT				

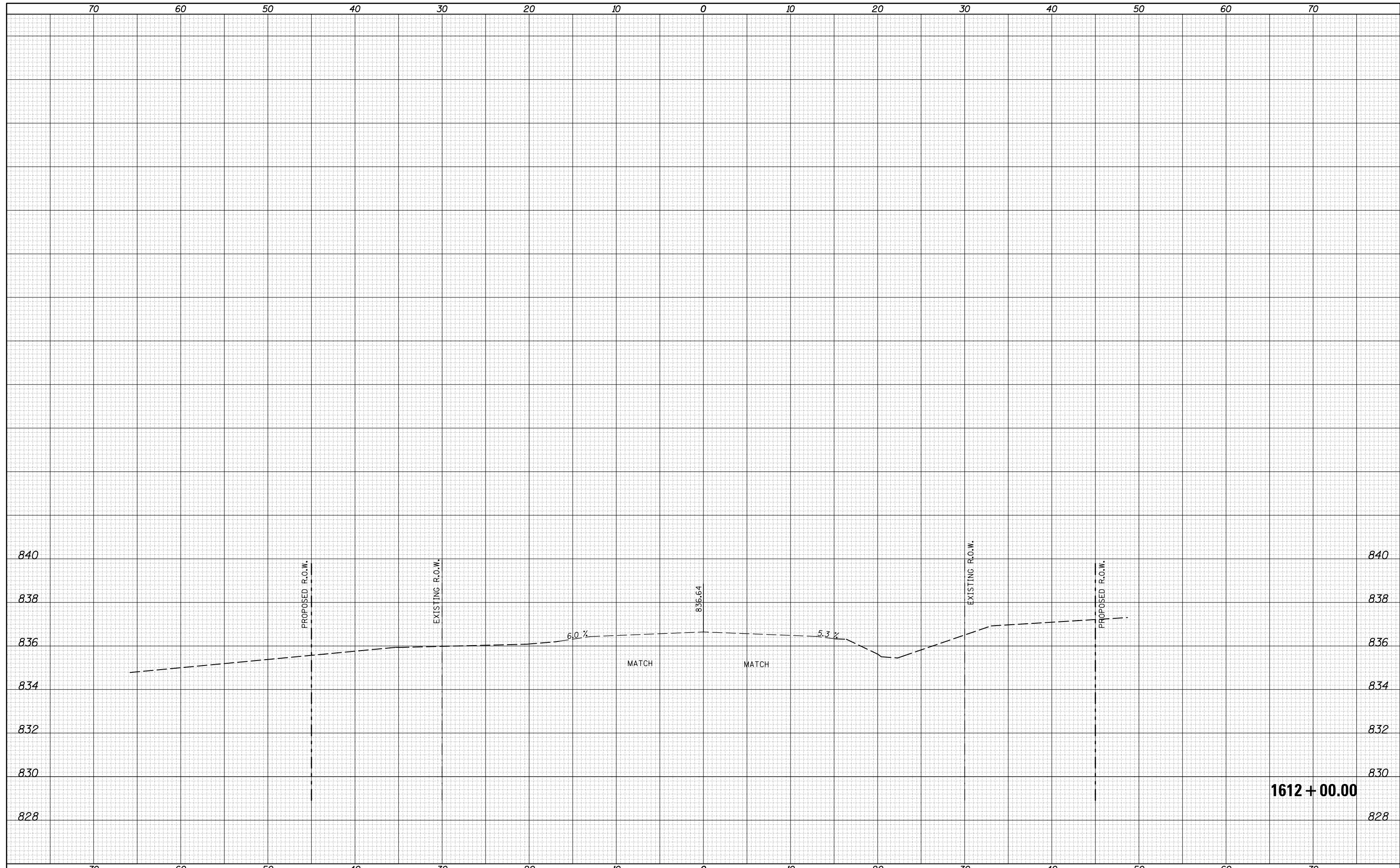
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE 9 CROSS SECTIONS

SCALE: SHEET OF SHEETS STA. 1611+63.50 TO STA. 1611+75.00

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
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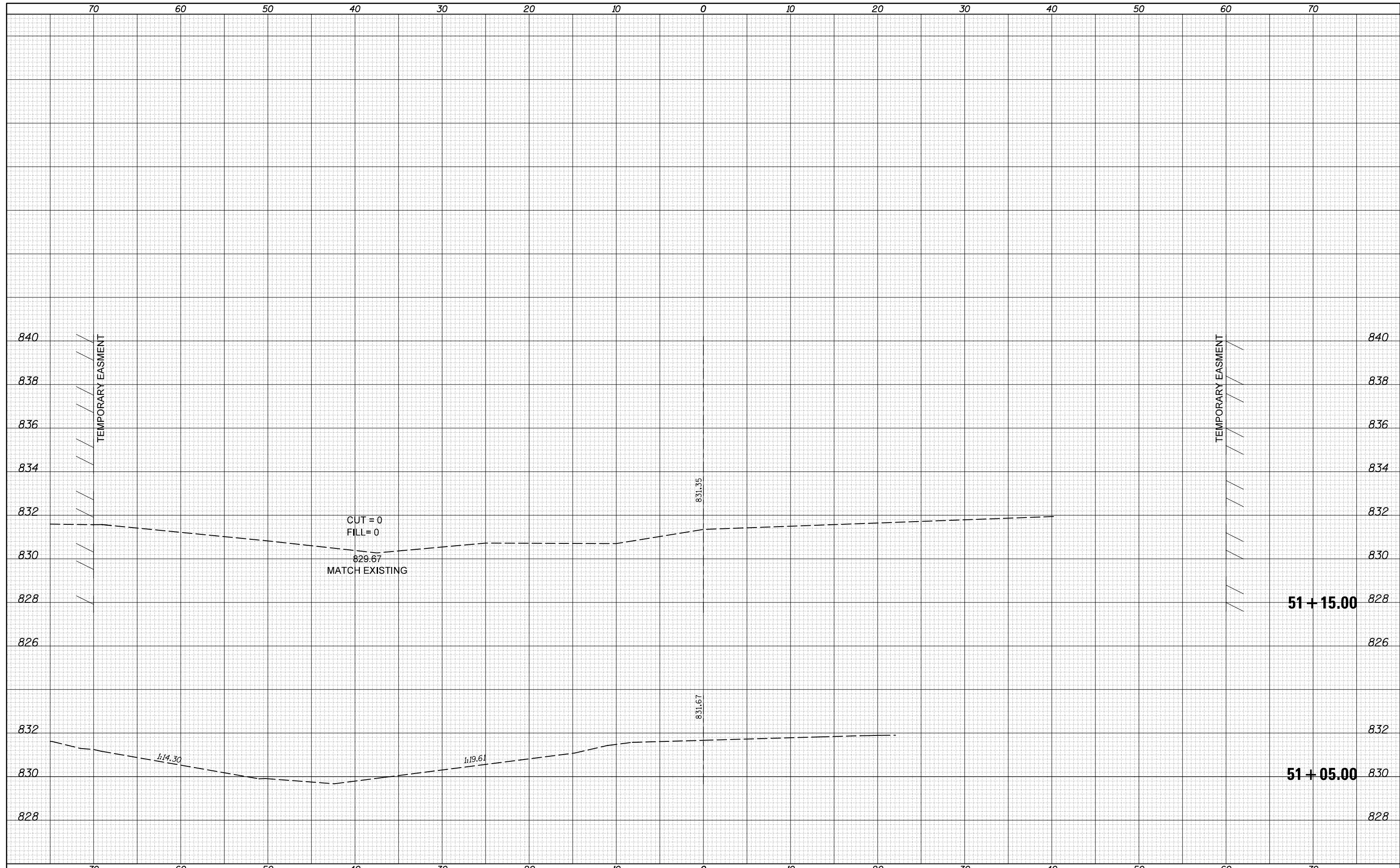
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
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FILE NAME =	USER NAME = ceerlockjd	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROUTE 9 CROSS SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
\\IL084EBIDINTEG.Illinois.gov\PIWIDOT\Documents\IDOT Offices\District 5\Projects\0504407\CAD\Drawings\0570576-sht-XS-IL-9_xs.dgn	DRAWN	REVISIED -	REVISIED -					693	21BR-1	MCLEAN	54	46
PLOT SCALE = 10.0000' / in.	CHECKED -	REVISIED -	REVISIED -					CONTRACT NO. 70576				
PLOT DATE = 10/18/2016	DATE -	REVISIED -	REVISIED -					ILLINOIS FED. AID PROJECT				
\$MODELNAME\$				SCALE:	SHEET	OF	SHEETS	STA. 1612+00.00	TO STA. 1612+00.00			

DATE	
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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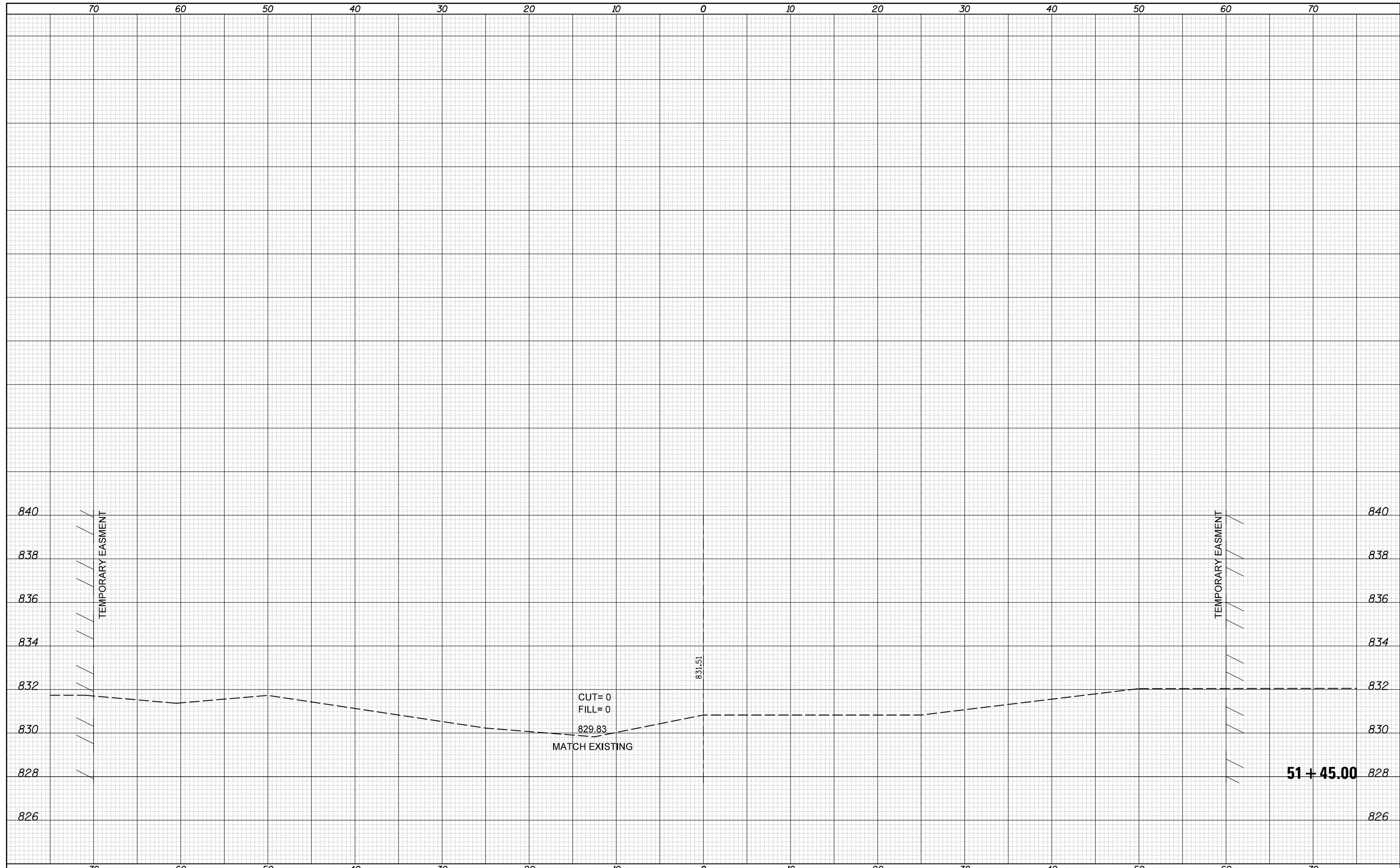
DATE	
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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FILE NAME =	USER NAME = ceerlockjd	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS MACKINAW CREEK	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLLOT DATE = 10/18/2016	DATE -	REVISIED -	SCALE: 20	SHEET 1 OF 8 SHEETS	STA. 51+05.00 TO STA. 51+15.00				

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

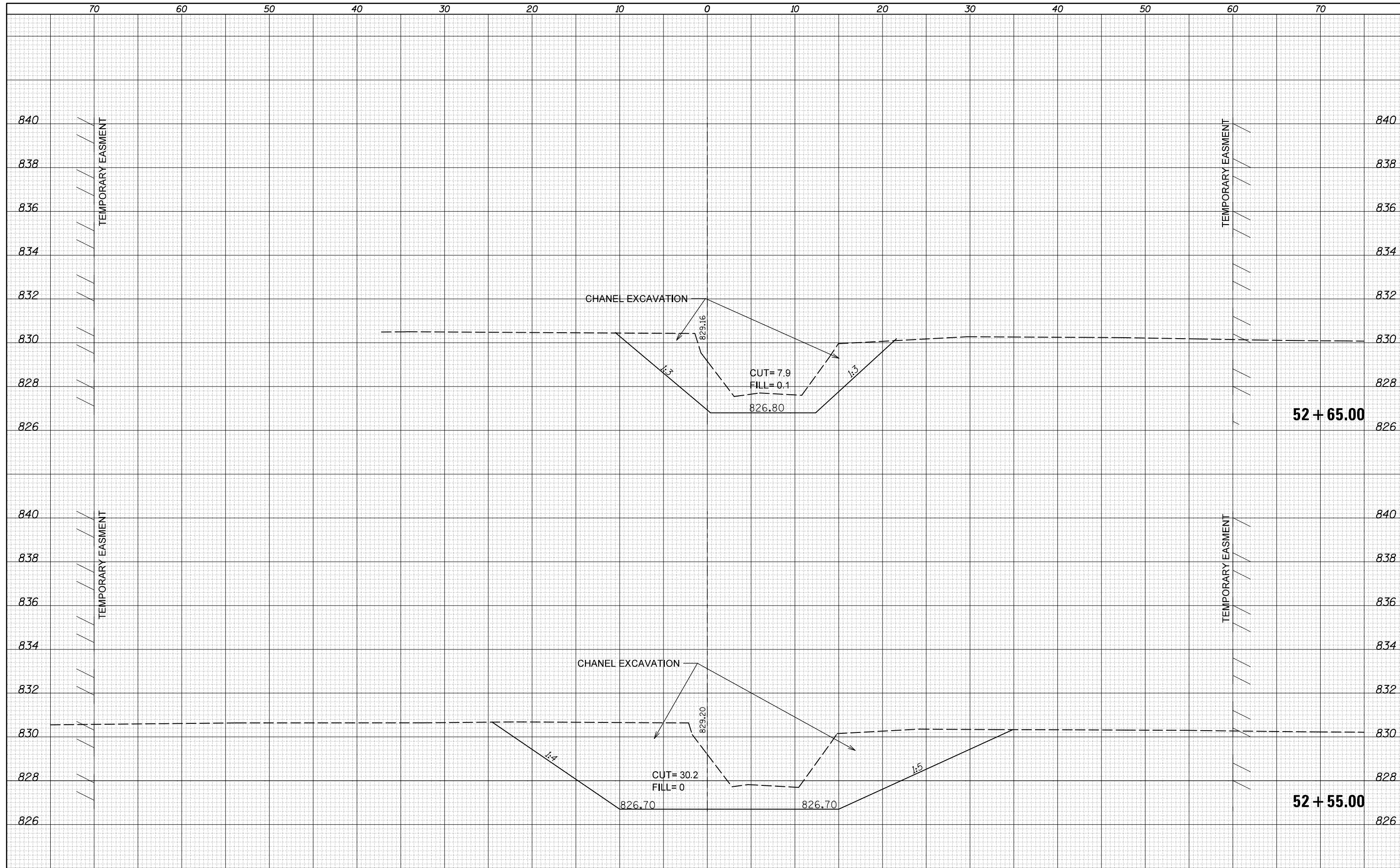
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NOTE BOOK	
AREAS CHECKED	



FILE NAME =	USER NAME = ceerlockjd	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS MACKINAW CREEK			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\IL084EBIDINTEG.Illinois.gov\PIWIDOT\Documents\IDOT Offices\District 5\Projects\0504407\CAD\DRAWING\0570576-sht-XS-SN057-0139.dwg	DESIGNED BY	REVISIED BY	693					21BR-1	MCLEAN	54	49	
MODELNAME	PLOT SCALE = 10.0000' / in.	CHECKED -	REVISIED -		CONTRACT NO. 70576							
	PLOT DATE = 10/18/2016	DATE -	REVISIED -	SCALE: 20	SHEET 3 OF 8 SHEETS	STA. 51+45.00 TO STA. 51+45.00	ILLINOIS FED. AID PROJECT					

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

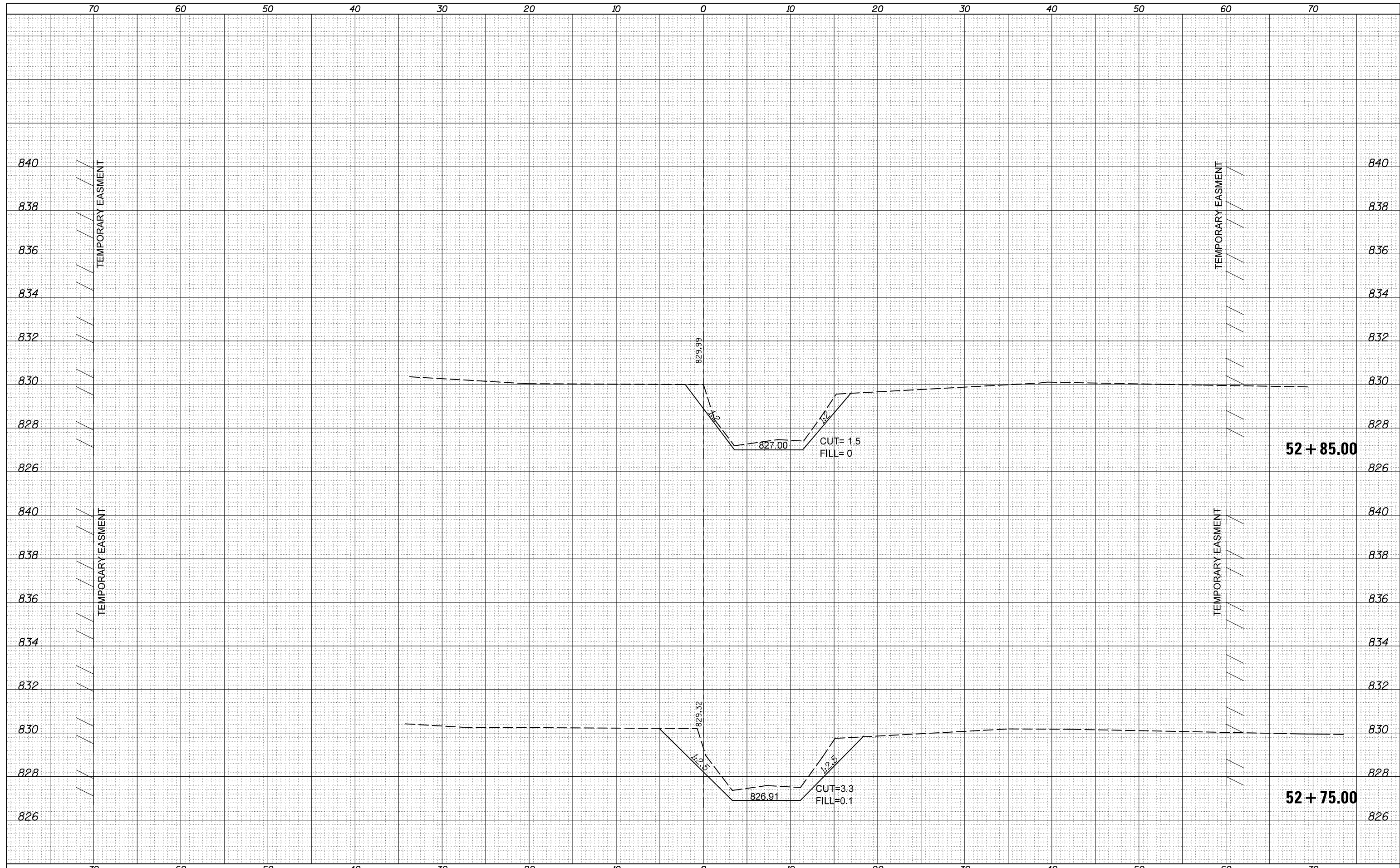
CROSS SECTIONS MACKINAW CREEK

SCALE: 20 SHEET 6 OF 8 SHEETS STA. 52+55.00 TO STA. 52+65.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	21BR-1	MCLEAN	54	52
CONTRACT NO. 70576			ILLINOIS FED. AID PROJECT	

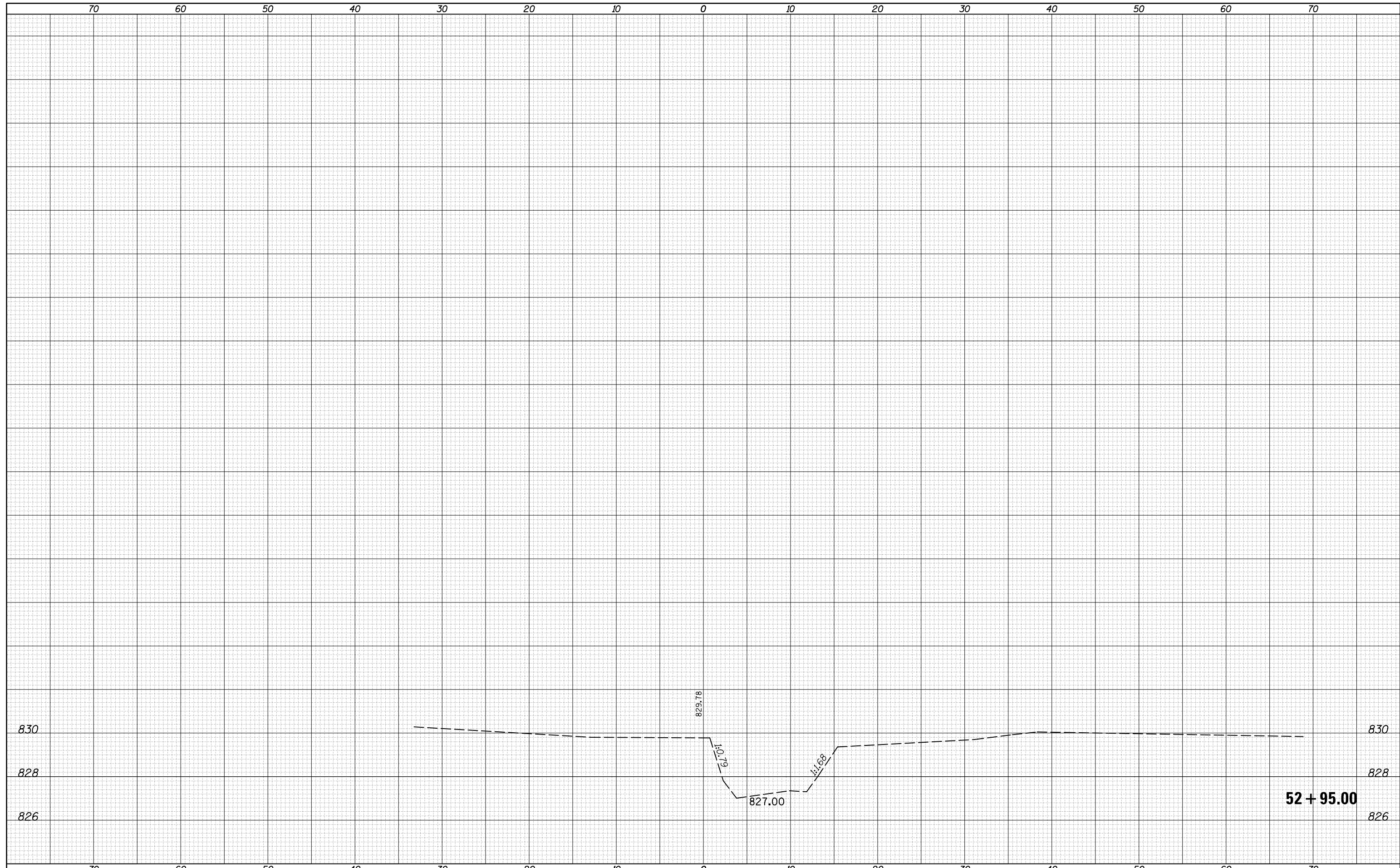
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FINAL SURVEY NO.	
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NOTE BOOK AREAS CHECKED	

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ORIGINAL SURVEY NO.	
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NOTE BOOK AREAS CHECKED	



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



FILE NAME =	USER NAME = ceorlockjd	DESIGNED -	REVISIED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS MACKINAW CREEK			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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\$MODELNAME\$	PLOT DATE = 10/18/2016	CHECKED -	REVISIED -		CONTRACT NO. 70576			ILLINOIS FED. AID PROJECT				
PLOT SCALE = 10.0000' / in.				DATE -	SCALE: 20	SHEET 8	OF 8	SHEETS	STA. 52+95.00	TO STA. 52+95.00		