

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

F.A.P. ROUTE 693 (IL 9)
SECTION (21,22)R,RS-1

**RESURFACING (3P) BOX CULVERT REPLACEMENT
MCLEAN COUNTY**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(22,21)R,RS-1	MCLEAN	105	1
		ILLINOIS	CONTRACT NO. 70509	

D-95-029-06



FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR SUMMARY OF QUANTITIES, SEE SHEETS 4-6

RESURFACING OMISSIONS

S.N. 057-0076: 1914 + 50.00 TO 1919 + 60.00
S.N. 057-0077: 1646 + 98.35 TO 1647 + 24.84
S.N. 057-0139: 1608 + 90.10 TO 1609 + 09.64

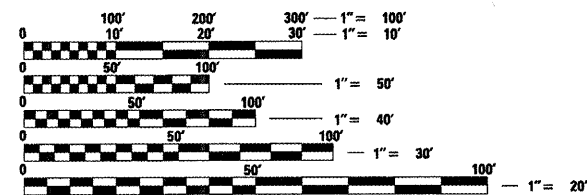
H.M.A. RESURFACING

S.N. 057-8143
S.N. 057-8144
S.N. 057-8146
S.N. 057-8147
S.N. 057-8164
S.N. 057-8165

**STRUCTURE REPLACEMENTS
SEE LOCATION MAP**

CURRENT ADT
EAST OF IL 165 = 4,200 (2007)
EAST OF ELSWORTH RD = 2,400 (2007)

DESIGN DESIGNATION
N/A

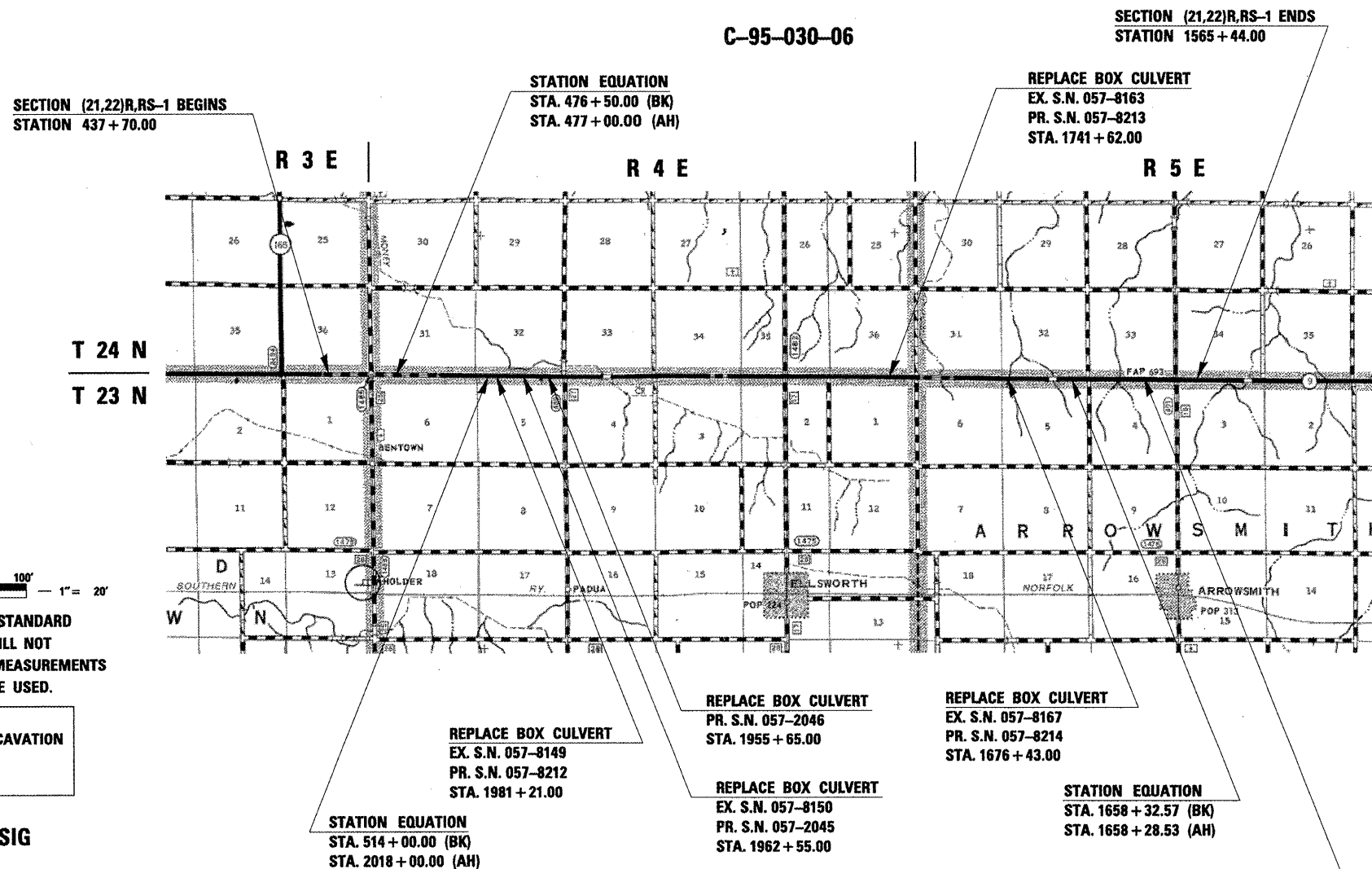


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER - NANCY FASIG
DESIGNER - RYAN CARROLL

CONTRACT NO. 70509



GROSS LENGTH = 52,831.960 FT. = 10.006 MILE
NET LENGTH = 52,275.930 FT. = 9.901 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 4/3 20 09

Joseph R. Dowson
DEPUTY DIRECTOR OF HIGHWAYS, REGION 3 ENGINEER

May 1, 20 09
Charles J. Imersley
ENGINEER OF DESIGN AND ENVIRONMENT

May 1, 20 09
Christine M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

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LIST OF STANDARDS

STANDARD NO.	DESCRIPTION
000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-04	TEMPORARY EROSION CONTROL SYSTEMS
406201-01	MAILBOX TURNOUT
442201-03	CLASS C AND D PATCHES
515001-03	NAME PLATE FOR BRIDGES
630001-08	STEEL PLATE BEAM GUARDRAIL
630101-08	GUARDRAIL MOUNTED ON EXISTING CULVERTS
630201-06	PCC/HMA STABILIZATION AT STEEL PLATE BEAM GUARDRAIL
630301-05	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631031-07	TRAFFIC BARRIER TERMINAL, TYPE 6
631032-04	TRAFFIC BARRIER TERMINAL, TYPE 6A
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
701011-02	OFF-RD OPERATIONS, 2L, 2W, DAY ONLY
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN (4.5 M) 15' AWAY
701006-03	OFF-RD OPERATIONS, 2L, 2W, 4.5 M (15') TO 600 MM (24") FROM EDGE OF PAVEMENT
701201-03	LANE CLOSURE, 2L, 2W, DAY ONLY FOR SPEEDS \geq 45 MPH
701306-02	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS \geq 45 MPH
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS OF RAISED REFLECTIVE PAVEMENT MARKERS

FILE NAME =	USER NAME = carrollrt	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS & LIST OF STANDARDS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ci:\pw\work\PIWIDOT\CARROLLRT\0104712\ds70509-shr-cover.dgn		DRAWN -	REVISED -			693	(21,22)R,RS-1	MCLEAN	105	2
PLOT SCALE = 40.0000 / IN.		CHECKED -	REVISED -			CONTRACT NO. 70509				
PLOT DATE = 4/3/2009		DATE -	REVISED -			SCALE:	SHEET NO.	OF	SHEETS	STA.

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

G.N.-107.31
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.-406
THE QUANTITIES INCLUDED IN THE PLANS FOR HOT-MIX ASPHALT RESURFACING ARE INTENDED TO GIVE THE COVERAGE SHOWN ON THE TYPICAL CROSS SECTIONS. IT IS NOT INTENDED TO INCREASE THE THICKNESS OF THE HOT-MIX ASPHALT MIXTURE IN ORDER TO USE ALL OF THE QUANTITIES INCLUDED IN THE CONTRACT.

G.N.-406.05b
ALL LEVELING BINDER OR BINDER SHALL BE GIVEN A FOG COAT OF PRIME BEFORE THE SURFACE COURSE IS PLACED WHEN DIRECTED BY THE ENGINEER.

THE FOG COAT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER GALLON FOR BITUMINOUS MATERIAL (PRIME COAT) AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

G.N. -406H

MIXTURE REQUIREMENTS

The following mixture requirements are applicable for this project:

Location	IL 9	IL 9	IL 9
Mixture Use	Level Binder	Surface & Incidental	Class D
AC/PG	PG 64-22	PG 64-22	PG 64-22
RAP % (Max)	25	15	25
Design Air Voids	4.0% @ Ndes=50	4.0% @ Ndes=50	4.0% @ Ndes=50
Mix Comp(Gradation)	IL 9.5	IL 9.5	IL 19.0
Friction Aggregate	Mix C	Mix C	N.A.

G.N.-442B – PATCHING SCHEDULES
THE PATCHING SCHEDULES INCLUDED IN THE PLANS REPRESENT THE BEST INFORMATION AVAILABLE AT THE TIME OF COMPLETION OF THE PLANS FOR LETTING. VARIATIONS IN LOCATION AND SIZES OF BOTH FULL-DEPTH AND PARTIAL-DEPTH PATCHES MAY OCCUR.

G.N.-540
THE CONTRACTOR SHALL ASSEMBLE AND MATCH-MARK THE PRECAST BOX CULVERT SECTIONS AND END SECTIONS PRIOR TO SHIPMENT OF THESE COMPONENTS FROM THE MANUFACTURER, AND AS DIRECTED BY THE 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.-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 SETTING THESE MARKERS.

G.N.-703A
SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE PAVEMENT AFTER ANY OF THE FOLLOWING: COLD MILLING AND/OR PLACING BITUMINOUS MATERIALS (PRIME COAT), LEVELING BINDER (MACHINE METHOD), BINDER AND SURFACE COURSES. SHORT TERM PAVEMENT MARKING PLACED ON THE SURFACE, SHALL COINCIDE WITH THE FINAL PAVEMENT STRIPING. SHORT TERM PAVEMENT MARKING PLACED PRIOR TO THE SURFACE SHALL COINCIDE WITH THE EXISTING PAVEMENT MARKINGS. USE 4 FEET PER 40 FEET (OR 10% PER STATION).

G.N.-781
RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED IN ACCORDANCE WITH STANDARD 781001, AND THE DETAILS SHOWN IN THE PLANS. IF THERE IS ANY DISCREPANCY BETWEEN THE STANDARD AND THE DETAILS IN THE PLANS, THE DETAILS IN THE PLANS SHALL GOVERN. THE FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING THE RAISED REFLECTIVE PAVEMENT MARKERS AND THE RAISED REFLECTIVE PAVEMENT MARKERS SHALL BE PLACED MIDWAY IN THE 30 FOOT (9 m) SPACE BETWEEN THE DASHED CENTERLINE STRIPES (WHEN APPLICABLE).

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.

NOTE: THE STRIPING QUANTITIES WERE OBTAINED FROM AS-BUILT PLANS AND FIELD MEASUREMENTS. PRIOR TO STRIPING OPERATIONS, THE RESIDENT ENGINEER SHALL CONTACT JAY HANNER, THE DISTRICT 5 ASSISTANT TRAFFIC OPERATIONS ENGINEER, TO DETERMINE PROPER LIMITS FOR NO-PASSING ZONES.

COMMITMENTS:
THERE ARE NO COMMITMENTS FOR THIS CONTRACT.

FILE NAME =	USER NAME = carrollrt	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pw\work\pwwid01\CARROLLRT\0104712\0570509-shs-cover.dgn	DRAWN -	REVISED -	693			(21.22)R,RS-1	MCLEAN	105	3		
PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 70509								
PLOT DATE = 4/3/2009	DATE -	REVISED -	ILLINOIS FED. AID PROJECT								
						SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.

SUMMARY OF QUANTITIES

CODE NO.	DESCRIPTION	LOCATION OF WORK:	MCLEAN CO.	MCLEAN CO.	MCLEAN CO.
			FAP 693	FAP 693	FAP 693
			IL 9	IL 9	IL 9
		FUNDING BREAKOUT:	100% STATE	100% STATE	100% STATE
		CONSTRUCTION TYPE CODE:	TOTAL	1000	X028-2A
		UNIT	QUANTITY	QUANTITY	QUANTITY
54021202	PRECAST CONCRETE BOX CULVERT 12' X 2' (M273)	FOOT	36.5		36.5
54021203	PRECAST CONCRETE BOX CULVERT 12' X 3' (M273)	FOOT	73.0		73.0
X0326474	DROP STRUCTURE NUMBER 1	EACH	1.0		1.0
X0326475	DROP STRUCTURE NUMBER 2	EACH	1.0		1.0
20200100	EARTH EXCAVATION	CU YD	230.0		230.0
20200200	ROCK EXCAVATION	CU YD	20.0		20.0
20900110	POROUS GRANULAR BACKFILL	CU YD	468.0		468.0
21301052	EXPLORATION TRENCH 52" DEPTH	FOOT	200.0	200.0	
21400100	GRADING AND SHAPING DITCHES	FOOT	1,227.0	1,227.0	
25000210	SEEDING, CLASS 2A	ACRE	1.5	1.5	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	135.0	135.0	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	135.0	135.0	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	135.0	135.0	
25100115	MULCH, METHOD 2	ACRE	1.5	1.5	
25100630	EROSION CONTROL BLANKET	SQ YD	260.0	260.0	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	140.0	140.0	
28000300	TEMPORARY DITCH CHECKS	EACH	28.0	28.0	
28000400	PERIMETER EROSION BARRIER	FOOT	2,162.0	2,162.0	
28000500	INLET AND PIPE PROTECTION	EACH	6.0	6.0	
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	15,102.0	15,102.0	
40600300	AGGREGATE (PRIME COAT)	TON	303.0	303.0	
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	6,343.0	6,343.0	
40600990	TEMPORARY RAMP	SQ YD	116.0	116.0	
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	12,686.0	12,686.0	
40800010	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	334.0	334.0	
40800030	AGGREGATE (PRIME COAT)	TON	8.0	8.0	

* SPECIALTY ITEMS

FILE NAME :	USER NAME : carrollr	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 DATE = 4/3/2009	DATE -	REVISED -			ILLINOIS FED. AID PROJECT							

SUMMARY OF QUANTITIES

CODE NO.	DESCRIPTION	UNIT	LOCATION OF WORK:		
			MCLEAN CO.	MCLEAN CO.	MCLEAN CO.
			FAP 693 IL 9	FAP 693 IL 9	FAP 693 IL 9
FUNDING BREAKOUT:			100% STATE	100% STATE	100% STATE
CONSTRUCTION TYPE CODE:			TOTAL	I000	X028-2A
			QUANTITY	QUANTITY	QUANTITY
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	351.0	351.0	
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	151,019.0	151,019.0	
44000196	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	SQ YD	3,335.0	3,335.0	
44201747	CLASS D PATCHES, TYPE IV, 8 INCH	SQ YD	743.0	743.0	
44201803	CLASS D PATCHES, TYPE II, 13 INCH	SQ YD	125.0	125.0	
44201815	CLASS D PATCHES, TYPE II, 14 INCH	SQ YD	393.0	393.0	
44201851	CLASS D PATCHES, TYPE II, 17 INCH	SQ YD	47.0	47.0	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	2,639.0	2,639.0	
48101500	AGGREGATE SHOULDERS, TYPE B 6"	SQ YD	1,007.0	1,007.0	
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1	EACH	1.0		1.0
50100400	REMOVAL OF EXISTING STRUCTURES NO. 2	EACH	1.0		1.0
50100500	REMOVAL OF EXISTING STRUCTURES NO. 3	EACH	1.0		1.0
50100600	REMOVAL OF EXISTING STRUCTURES NO. 4	EACH	1.0		1.0
50100700	REMOVAL OF EXISTING STRUCTURES NO. 5	EACH	1.0		1.0
50100800	REMOVAL OF EXISTING STRUCTURES NO. 6	EACH	1.0		1.0
50105220	PIPE CULVERT REMOVAL	FOOT	40.0		40.0
50200100	STRUCTURE EXCAVATION	CU YD	1,305.0		1,305.0
51500100	NAME PLATES	EACH	6.0		6.0
54001001	BOX CULVERT END SECTION, CULVERT NO.1	EACH	1.0		1.0
54001002	BOX CULVERT END SECTION, CULVERT NO.2	EACH	2.0		2.0
54001003	BOX CULVERT END SECTION, CULVERT NO.3	EACH	2.0		2.0
54001004	BOX CULVERT END SECTION, CULVERT NO.4	EACH	1.0		1.0
54001005	BOX CULVERT END SECTION, CULVERT NO.5	EACH	2.0		2.0
54001006	BOX CULVERT END SECTION, CULVERT NO.6	EACH	2.0		2.0
54020804	PRECAST CONCRETE BOX CULVERT 8' X 4' (M273)	FOOT	73.0		73.0
54020805	PRECAST CONCRETE BOX CULVERT 8' X 5' (M273)	FOOT	146.0		146.0
54021003	PRECAST CONCRETE BOX CULVERT 10' X 3' (M273)	FOOT	73.0		73.0

* SPECIALTY ITEMS

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cr:\pw\work\FWIDOT\CARROLLRT\0104712\4570509\shs-cover.dgn		DRAWN -	REVISED -		693	(21,22)R,RS-1	MCLEAN	105	5			
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PLOT DATE = 4/3/2009		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

SUMMARY OF QUANTITIES

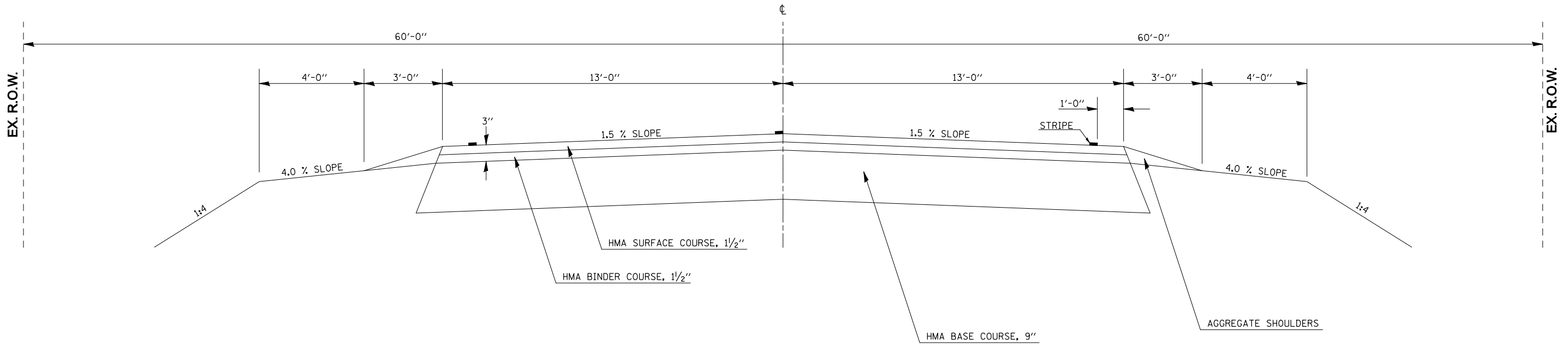
CODE NO.	DESCRIPTION	CONSTRUCTION TYPE CODE:	LOCATION OF WORK:	MCLEAN CO.	MCLEAN CO.	MCLEAN CO.
			FUNDING BREAKOUT:	FAP 693	FAP 693	FAP 693
		UNIT	100% STATE	100% STATE	100% STATE	
			TOTAL	I000	X028-2A	
			QUANTITY	QUANTITY	QUANTITY	
61100605	MISCELLANEOUS CONCRETE	CU YD	1.0	1.0		
61101013	STORM SEWERS PROTECTED, CLASS A, 12"	FOOT	120.0	120.0		
* 63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	1,350.0	1,350.0		
* 63000005	STEEL PLATE BEAM GUARD RAIL, TYPE B	FOOT	350.0	350.0		
* 63000025	STEEL PLATE BEAM GUARD RAIL, ATTACHED TO STRUCTURES	FOOT	375.0	375.0		
* 63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	4.0	4.0		
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	32.0	32.0		
63200310	GUARDRAIL REMOVAL	FOOT	1,525.0	1,525.0		
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	5.0	2.5	2.5	
67100100	MOBILIZATION	L SUM	1.0	1.0		
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1.0	1.0		
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1.0	1.0		
70101800	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1.0		1.0	
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	5,229.0	5,229.0		
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1,743.0	1,743.0		
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	136,595.0	136,595.0		
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	657.0	657.0		
* 78200410	GUARDRAIL MARKERS, TYPE A	EACH	72.0	72.0		
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	32.0	32.0		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	657.0	657.0		
X0301232	SURVEY MARKER VAULT	EACH	20.0	20.0		
X0323988	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	1,820.0		1,820.0	
X7015005	CHANGEABLE MESSAGE SIGN	CAL DA	42.0		42.0	
XZ193300	SURVEY MARKER, TYPE 1 (SPECIAL)	EACH	15.0	15.0		
Z0030900	INSPECTION WELLS	EACH	4.0	4.0		
Z0038700	PERMANENT BENCH MARKS	EACH	6.0	6.0		

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ct:\pr_work\PM\DOT\CARROLLRT\00104712\0509-sht-cover.dgn		DRAWN -	REVISED -			693	(21,22)R_RS-1	MCLEAN	105	6	
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	PLOT DATE = 4/3/2009	DATE -	REVISED -			SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.

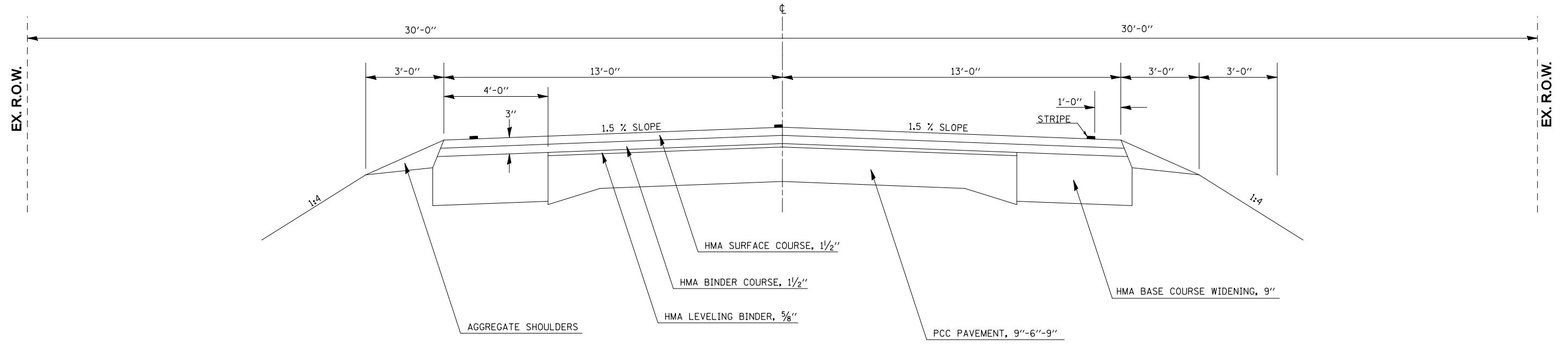
EXISTING TYPICAL CROSS SECTION ①

STATION TO STATION
 437+70.00 476+50.00 (BK) = 477+00.00 (AH)
 477+00.00 510+50.00 ②



EXISTING TYPICAL CROSS SECTION ②

STATION TO STATION
 ① 510+50.00 514+00.00 (BK) = 2018+00.00 (AH)
 2018+00.00 1942+89.86 ③



FILE NAME =	USER NAME = carrollrt	DESIGNED -	REVISED -
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PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 4/3/2009		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

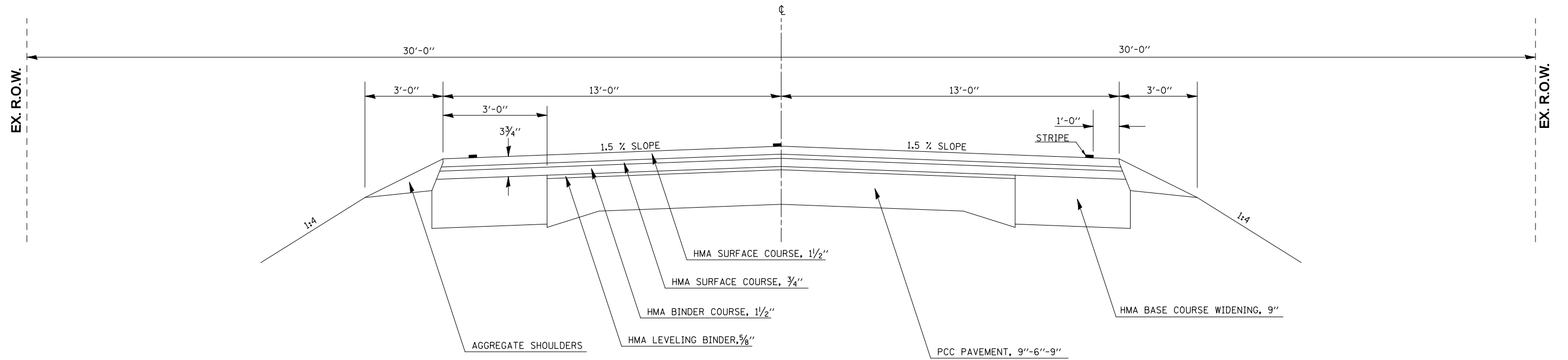
EXISTING TYPICAL CROSS SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	7
CONTRACT NO. 70509				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

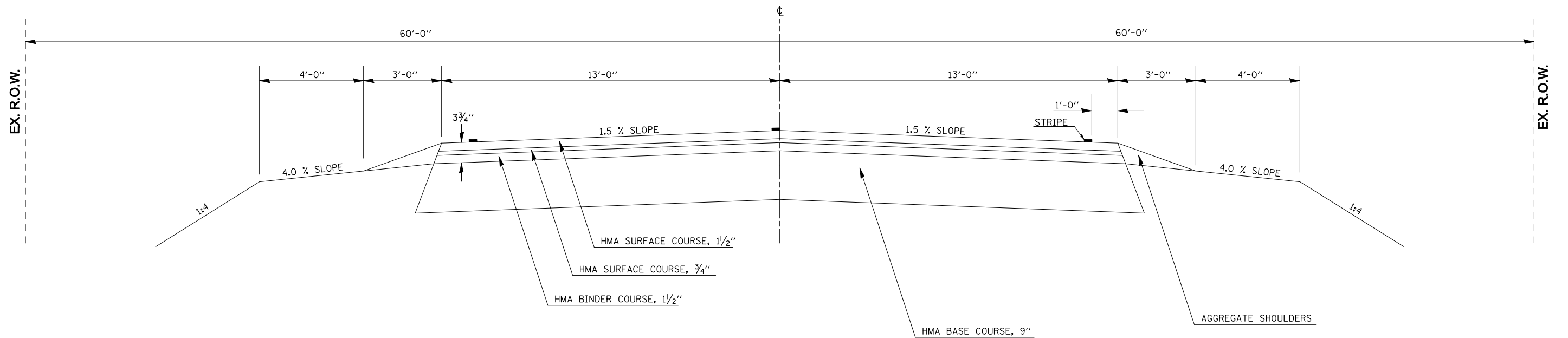
EXISTING TYPICAL CROSS SECTION ③

STATION	TO	STATION
② 1942+89.86		④ 1860+00.00
④ 1846+00.00		④ 1729+00.00
④ 1708+00.00		⑤ 1661+39.20



EXISTING TYPICAL CROSS SECTION ④

STATION	TO	STATION
③ 1860+00.00		③ 1846+00.00
③ 1729+00.00		③ 1708+00.00



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PLOT DATE = 4/3/2009		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

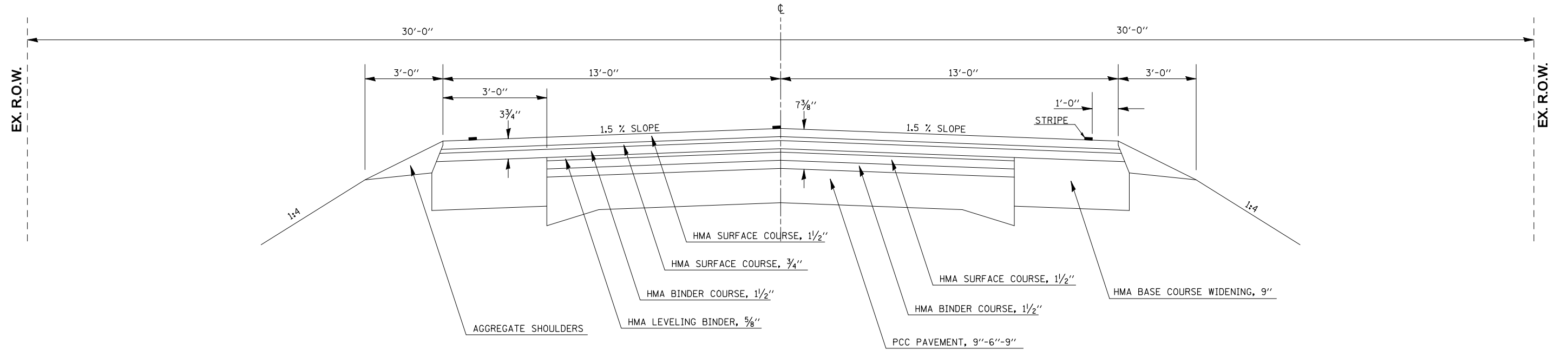
EXISTING TYPICAL CROSS SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	8
CONTRACT NO. 70509				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

EXISTING TYPICAL CROSS SECTION ⑤

STATION TO STATION
 ③ 1661+39.20 1658+32.57 (BK)=1658+28.53 (AH)
 1658+28.53 1565+44.00



FILE NAME =	USER NAME = carrollrt	DESIGNED -	REVISED -
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		CHECKED -	REVISED -
		DATE -	REVISED -

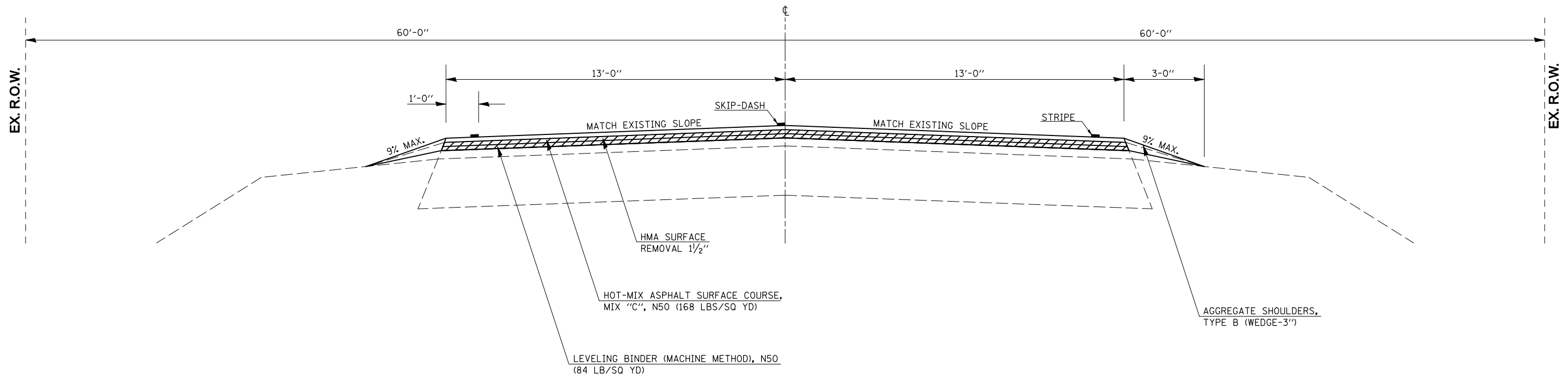
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING TYPICAL CROSS SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	9
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70509	

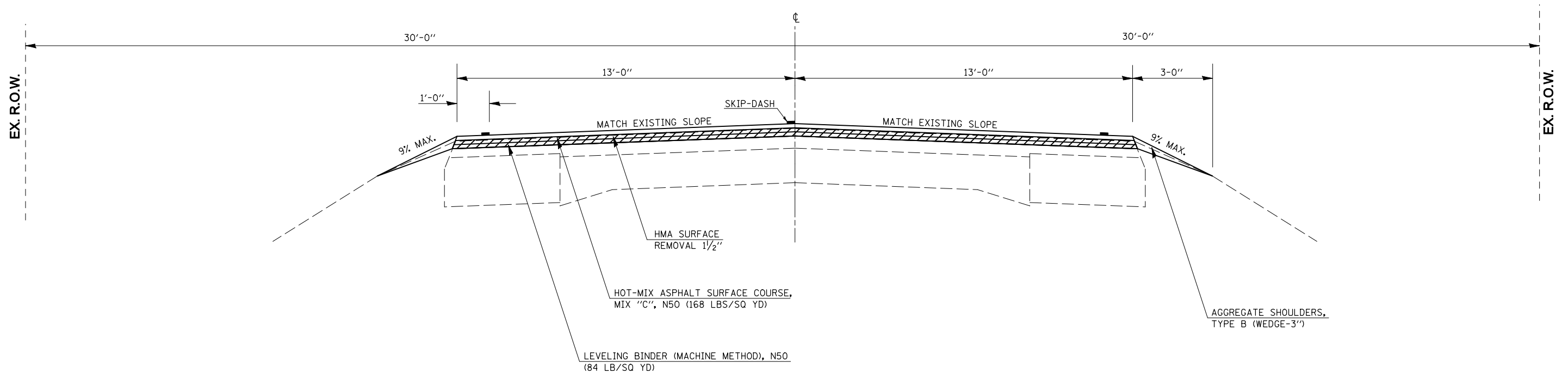
PROPOSED TYPICAL CROSS SECTION ①

STATION TO STATION
 437+70.00 476+50.00 (BK) = 477+00.00 (AH)
 477+00.00 510+50.00 ②



PROPOSED TYPICAL CROSS SECTION ②

STATION TO STATION
 ① 510+50.00 514+00.00 (BK) = 2018+00.00 (AH)
 2018+00.00 1942+89.86 ③



FILE NAME =	USER NAME = carrollrt	DESIGNED -	REVISED -
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PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 4/3/2009		DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

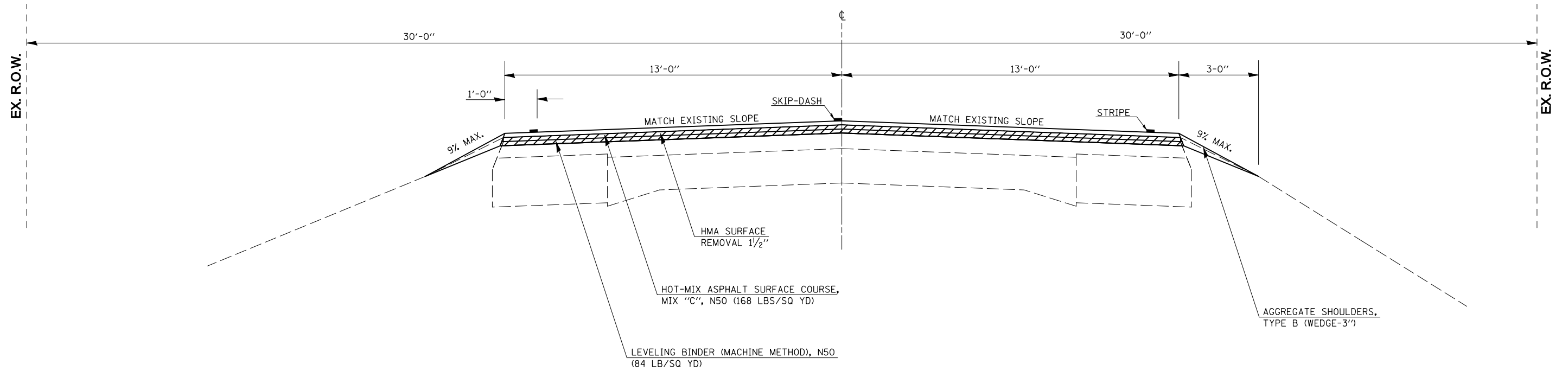
PROPOSED TYPICAL CROSS SECTIONS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	10
CONTRACT NO. 70509				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

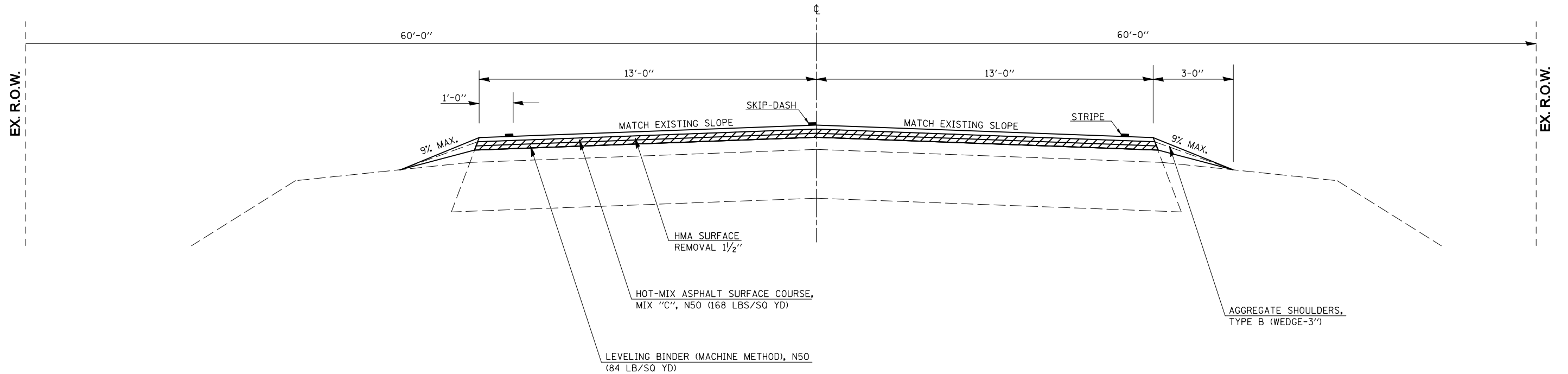
PROPOSED TYPICAL CROSS SECTION ③

STATION	TO	STATION
② 1942+89.86		④ 1860+00.00
④ 1846+00.00		④ 1729+00.00
④ 1708+00.00		⑤ 1661+39.20



PROPOSED TYPICAL CROSS SECTION ④

STATION	TO	STATION
③ 1860+00.00		③ 1846+00.00
③ 1729+00.00		③ 1708+00.00



FILE NAME =	USER NAME = carrollrt	DESIGNED -	REVISED -
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PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 4/3/2009		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

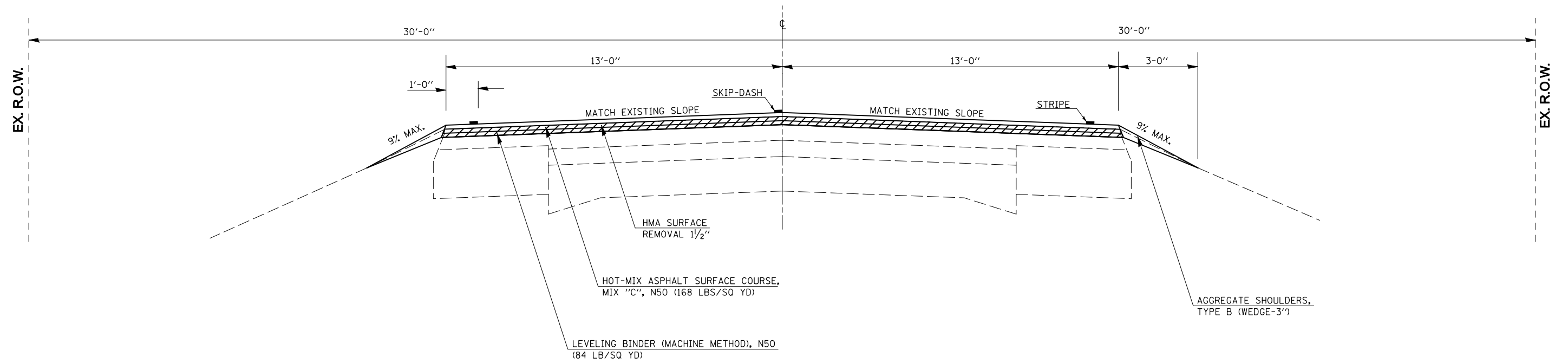
PROPOSED TYPICAL CROSS SECTIONS

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	11
CONTRACT NO. 70509				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PROPOSED TYPICAL CROSS SECTION ⑤

STATION	TO	STATION
③ 1661+39.20		1658+32.57 (BK)=1658+28.53 (AH)
1658+28.53		1565+44.00



FILE NAME =	USER NAME = carrollrt	DESIGNED -	REVISED -
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		CHECKED -	REVISED -
		DATE -	REVISED -

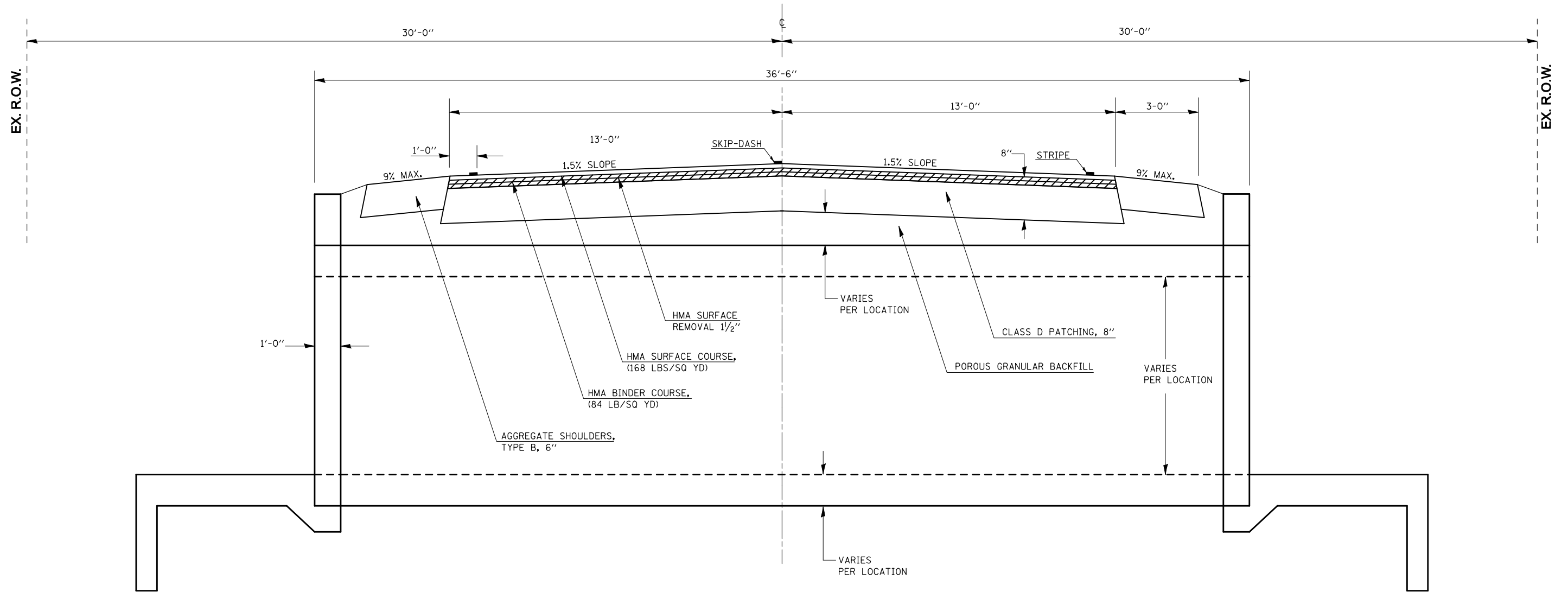
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED TYPICAL CROSS SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	12
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70509	

PROPOSED TYPICAL BOX CULVERT CROSS SECTION

S. N. 057-8212 AT STA. 1981+21
 S. N. 057-2045 AT STA. 1962+55
 S. N. 057-2046 AT STA. 1955+65
 S. N. 057-8213 AT STA. 1741+62
 S. N. 057-8214 AT STA. 1676+43
 S. N. 057-8215 AT STA. 1586+62



FILE NAME =	USER NAME = carrollrt	DESIGNED -	REVISED -
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PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 4/3/2009		DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PROPOSED TYPICAL CROSS SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	13
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70509	

SCHEDULE OF QUANTITIES

SCHEDULE OF MAINLINE RESURFACING QUANTITIES									
LOCATION	TOTAL ROADWAY WIDTH	LENGTH	AREA	44000155	40600100	40600300	40600625	40603310	
				HMA SURFACE REMOVAL 1.5 IN	HMA MATERIALS PRIME COAT	AGGREGATE PRIME COAT	LEVELING BINDER (MM) 0.75 IN	HMA SURFACE COURSE 1.5 IN	
				SQ YD	GAL	TON	TON	TON	
STA. 437+70.00 TO STA. 476+50.00	26.0	3,880.0	11,208.9	11,208.9	1,120.9	22.4	470.8	941.5	
STATION EQUATION									
STA. 477+00.00 TO STA. 514+00.00	26.0	3,700.0	10,688.9	10,688.9	1,068.9	21.4	448.9	897.9	
STATION EQUATION									
STA. 2018+00.00 TO STA. 1919+60.00	26.0	9,840.0	28,426.7	28,426.7	2,842.7	56.9	1,193.9	2,387.8	
BRIDGE OMISSION (S.N. 057-0076)									
STA. 1914+50.00 TO STA. 1891+05.00	26.0	2,345.0	6,774.4	6,774.4	677.4	13.5	284.5	569.1	
STA. 1891+05.00 TO STA. 1860+00.00	26.0	3,105.0	8,970.0	8,970.0	897.0	17.9	376.7	753.5	
STA. 1860+00.00 TO STA. 1846+00.00	26.0	1,400.0	4,044.4	4,044.4	404.4	8.1	169.9	339.7	
STA. 1846+00.00 TO STA. 1729+00.00	26.0	11,700.0	33,800.0	33,800.0	3,380.0	67.6	1,419.6	2,839.2	
STA. 1729+00.00 TO STA. 1708+00.00	26.0	2,100.0	6,066.7	6,066.7	606.7	12.1	254.8	509.6	
STA. 1708+00.00 TO STA. 1661+39.20	26.0	4,660.8	13,464.5	13,464.5	1,346.5	26.9	565.5	1,131.0	
STA. 1661+39.00 TO STA. 1658+32.57	26.0	306.4	885.2	885.2	88.5	1.8	37.2	74.4	
STATION EQUATION									
STA. 1658+28.53 TO STA. 1647+24.84	26.0	1,103.7	3,188.4	3,188.4	318.8	6.4	133.9	267.8	
BRIDGE OMISSION (S.N. 057-0077)									
STA. 1646+98.35 TO STA. 1609+09.64	26.0	3,788.7	10,945.2	10,945.2	1,094.5	21.9	459.7	919.4	
BRIDGE OMISSION (S.N. 057-0139)									
STA. 1608+90.10 TO STA. 1565+44.00	26.0	4,346.1	12,555.4	12,555.4	1,255.5	25.1	527.3	1,054.7	
SUB-TOTAL =				151,018.8	15,101.9	302.0	6,342.8	12,685.6	
GRAND TOTAL =				151,019.0	15,102.0	303.0	6,343.0	12,686.0	

SCHEDULE OF INCIDENTAL RESURFACING AT SIDE ROADS									
SIDE ROAD	STATION	AREA TO R.O.W. (SQ FT)	EDGE OF PVT TO RS LIMITS AT R.O.W. (FOOT)	AREA TO R.O.W. (SQ YD)	40800050	44000196	40800010	40800030	
					INCIDENTAL HMA RESURF. (TON)	HMA SURF. REM. SPECIAL (SQ YD)	BITUMINOUS MATERIALS PRIME COAT (GAL)	AGGREGATE MATERIALS PRIME COAT (TON)	
2400 S	470+52.55	5,152.8	47.0	572.5	60.1	572.5	57.3	1.1	
2400 N	470+53.57	1,796.2	47.0	199.6	21.0	199.6	20.0	0.4	
2500 N	1997+49.40	442.7	17.0	49.2	5.2	49.2	4.9	0.1	
2600 N	1944+11.26	2,347.5	17.0	260.8	27.4	260.8	26.1	0.5	
2600 S	1944+07.66	2,063.0	17.0	229.2	24.1	229.2	22.9	0.5	
2700 N	1891+00.77	568.8	17.0	63.2	6.6	63.2	6.3	0.1	
2700 S	1890+56.88	573.6	17.0	63.7	6.7	63.7	6.4	0.1	
2850 N	1811+13.48	1,182.9	17.0	131.4	13.8	131.4	13.1	0.3	
2850 S	1811+12.80	2,018.5	17.0	224.3	23.5	224.3	22.4	0.4	
2900 S	1784+61.96	594.0	17.0	66.0	6.9	66.0	6.6	0.1	
3000 N	1731+34.07	769.8	17.0	85.5	9.0	85.5	8.6	0.2	
3000 S	1731+31.00	835.2	17.0	92.8	9.7	92.8	9.3	0.2	
3200 N	1628+02.57	770.9	17.0	85.7	9.0	85.7	8.6	0.2	
3200 S	1627+21.91	1,029.2	17.0	114.4	12.0	114.4	11.4	0.2	
3300 N	1575+38.46	1,640.2	17.0	182.2	19.1	182.2	18.2	0.4	
3300 S	1574+75.45	1,755.8	17.0	195.1	20.5	195.1	19.5	0.4	
TOTAL =					274.6	2,615.7	261.6	5.2	
USE =					275.0	2,616.0	262.0	6.0	

40600990 TEMPORARY RAMP				
LOCATION	STATION	WIDTH (FOOT)	LENGTH (FOOT)	AREA (SQ YD)
BEG. PROJ.	437+70.00	26.0	5.0	14.4
END PROJ.	1565+44.00	26.0	5.0	14.4
S.N. 057-0076	1916+79.86	26.0	5.0	14.4
S.N. 057-0076	1917+52.05	26.0	5.0	14.4
S.N. 057-0077	1646+98.35	26.0	5.0	14.4
S.N. 057-0077	1647+24.84	26.0	5.0	14.4
S.N. 057-0139	1608+90.10	26.0	5.0	14.4
S.N. 057-0139	1609+09.64	26.0	5.0	14.4
TOTAL =				115.6
USE =				116.0

SCHEDULE OF QUANTITIES

SCHEDULE OF INCIDENTAL RESURFACING AT ENTRANCES												
SIDE	STATION	TYPE	L1 (FOOT)	L2 (FOOT)	AVE. LENGTH (FOOT)	WIDTH (FOOT)	WIDTH TO RESURF. (FOOT)	AREA TO RESURF. (SQ YD)	40800050	44000196	40800010	40800030
									INCIDENTAL HMA RESURF. (TON)	HMA SURF. REM. SPECIAL (SQ YD)	BITUMINOUS MATERIALS PRIME COAT (GAL)	AGGREGATE MATERIALS PRIME COAT (TON)
LT	455+43.00	PE	12.0	35.7	23.9	47.0	17.0	45.1	4.73	45.1	4.5	0.1
RT	474+52.00	PE w/ MBTO	12.5	66.5	39.5	47.0	17.0	74.6	7.83	74.6	7.5	0.1
RT	476+42.00	PE	10.0	33.5	21.8	47.0	17.0	41.1	4.31	41.1	4.1	0.1
RT	497+21.00	PE	11.0	72.0	41.5	47.0	17.0	78.4	8.23	78.4	7.8	0.2
LT	1996+77.00	PE	16.0	75.0	45.5	22.0	17.0	85.9	9.02	85.9	8.6	0.2
RT	1974+03.00	PE	13.0	36.0	24.5	29.0	17.0	46.3	4.86	46.3	4.6	0.1
LT	1964+92.00	MBTO	31.0	48.0	39.5	4.0	4.0	17.6	1.84	17.6	1.8	0.0
RT	1964+70.00	PE	16.0	34.0	25.0	25.0	17.0	47.2	4.96	47.2	4.7	0.1
LT	1873+04.00	MBTO	15.0	30.0	22.5	4.5	4.5	11.3	1.18	11.3	1.1	0.0
LT	1839+75.00	MBTO	34.0	48.0	41.0	4.0	4.0	18.2	1.91	18.2	1.8	0.0
LT	1815+25.00	MBTO	25.0	62.0	43.5	4.0	4.0	19.3	2.03	19.3	1.9	0.0
LT	1794+66.00	MBTO	23.0	39.0	31.0	3.0	3.0	10.3	1.09	10.3	1.0	0.0
LT	1776+25.00	MBTO	29.0	48.0	38.5	4.0	4.0	17.1	1.80	17.1	1.7	0.0
LT	1745+88.00	MBTO	28.0	47.0	37.5	3.0	3.0	12.5	1.31	12.5	1.3	0.0
RT	1724+11.00	PE	22.0	49.0	35.5	52.0	17.0	67.1	7.04	67.1	6.7	0.1
LT	1685+24.00	PE w/ MBTO	23.5	57.0	40.3	10.0	10.0	44.7	4.70	44.7	4.5	0.1
LT	1669+07.00	PE w/ MBTO	17.0	83.5	50.3	6.0	6.0	33.5	3.52	33.5	3.4	0.1
LT	1639+03.00	MBTO	21.0	65.0	43.0	6.0	6.0	28.7	3.01	28.7	2.9	0.1
RT	1612+00.00	MBTO	29.0	59.0	44.0	4.0	4.0	19.6	2.05	19.6	2.0	0.0
TOTAL =									75.4	718.4	71.8	1.4
USE =									76.0	719.0	72.0	2.0

SCHEDULE OF EARTHWORK QUANTITIES							
LOCATION	STATION	EARTH EXC. (CU YD)	STR. EXC. (CU YD)	ROCK EXC. (CU YD)	EXCAVATION ADJ. FOR SHRINKAGE (CU YD)	EMBANKMENT (CU YD)	BALANCE WASTE (+) SHORTAGE (-) (CU YD)
S.N. 057-8215 (LT)	1586+62.00	0.96	55.30	0.00	42.20	0.58	41.62
S.N. 057-8215 (RT)	1586+62.00	1.45	58.97	0.00	45.32	0.58	44.74
S.N. 057-8214 (LT)	1676+43.00	18.94	113.88	20.00	99.62	44.21	55.41
S.N. 057-8214 (RT)	1676+43.00	6.90	111.33	0.00	88.67	62.49	26.18
S.N. 057-8213 (LT)	1741+62.00	13.04	111.61	0.00	93.49	22.44	71.05
S.N. 057-8213 (RT)	1741+62.00	43.93	112.41	0.00	117.26	31.10	86.16
S.N. 057-2046 (LT)	1955+65.00	21.90	102.00	0.00	92.93	15.37	77.56
S.N. 057-2046 (RT)	1955+65.00	38.42	101.70	0.00	105.09	37.25	67.84
S.N. 057-2045 (LT)	1962+55.00	22.75	149.82	0.00	129.43	71.82	57.61
S.N. 057-2045 (RT)	1962+55.00	23.62	144.12	0.00	125.81	71.27	54.54
S.N. 057-8212 (LT)	1981+21.00	6.24	118.35	0.00	93.44	32.26	61.18
S.N. 057-8212 (RT)	1981+21.00	8.57	122.25	0.00	98.12	88.56	9.55
S.N. 057-8165 (LT)	1716+57.00	0.00	0.00	0.00	0.00	19.09	-19.09
S.N. 057-8165 (RT)	1716+57.00	0.00	0.00	0.00	0.00	13.52	-13.52
S.N. 057-8164 (LT)	1722+88.00	0.00	0.00	0.00	0.00	6.77	-6.77
S.N. 057-8164 (RT)	1722+88.00	0.00	0.00	0.00	0.00	7.69	-7.69
S.N. 057-0076 (LT)	1917+16.00	0.49	0.00	0.00	0.37	27.83	-27.46
S.N. 057-0076 (RT)	1917+16.00	0.00	0.00	0.00	0.00	8.66	-8.66
TOTALS =		207.21	1,301.74	20.00			570.22

NOTES:
 QUANTITY OF EARTH EXCAVATION (CUT) ADJUSTED FOR A SHRINKAGE FACTOR OF 25%
 NO SHRINKAGE FACTOR APPLIED TO THE EMBANKMENT QUANTITY
 NO PAYMENT WILL BE ALLOWED FOR OVERHAUL

PAY ITEMS
20200100-EARTH EXCAVATION 210.0 CU YD
20200200-ROCK EXCAVATION 20.0 CU YD
50200100-STRUCTURE EXCAVATION 1305.0 CU YD

21400100 GRADING AND SHAPING DITCHES			
STATION	TO	STATION	LENGTH
1576+00.0	TO	1586+61.8	1061.8
1576+00.0	TO	8+90.0	165.0
TOTAL =			1226.8
USE =			1227.0

LANDSCAPING SCHEDULE						
LOCATION	AREA (SQ FT)	25000200	25000400	25000500	25000600	25100115
		SEEDING CLASS 2A (ACRE)	NITROGEN FERTILIZER NUTRIENT (POUND)	PHOSPHORUS FERTILIZER NUTRIENT (POUND)	POTASSIUM FERTILIZER NUTRIENT (POUND)	MULCH METHOD 2 (ACRE)
S.N. 057-8212	5047.4	0.116	10.43	10.43	10.43	0.116
S.N. 057-2045	7580.7	0.174	15.66	15.66	15.66	0.174
S.N. 057-2046	6171.9	0.142	12.75	12.75	12.75	0.142
S.N. 057-8213	6641.8	0.152	13.72	13.72	13.72	0.152
S.N. 057-8214	6749.9	0.155	13.95	13.95	13.95	0.155
S.N. 057-8215 TO CH 15	17101.4	0.393	35.33	35.33	35.33	0.393
S.N. 057-0077	2755.0	0.063	5.69	5.69	5.69	0.063
S.N. 057-8165	3236.2	0.074	6.69	6.69	6.69	0.074
S.N. 057-8164	1991.3	0.046	4.11	4.11	4.11	0.046
TOTALS =		1.31	118.3	118.3	118.3	1.31
USE =		1.5	135.0	135.0	135.0	1.5

SCHEDULE OF QUANTITIES

STATION	DIRECTION	LENGTH (FOOT)	WIDTH (FOOT)	DEPTH (INCH)	44201747
					CLASS D PATCH TY IV, 8" (SQ YD)
1586+62.00	WB	22.0	13.0	6.0	31.8
1586+62.00	EB	22.0	13.0	6.0	31.8
1676+43.00	WB	41.2	13.0	6.0	59.5
1676+43.00	EB	41.2	13.0	6.0	59.5
1741+62.00	WB	38.8	13.0	6.0	56.0
1741+62.00	EB	38.8	13.0	6.0	56.0
1955+65.00	WB	41.6	13.0	6.0	60.1
1955+65.00	EB	41.6	13.0	6.0	60.1
1962+72.00	WB	73.7	13.0	6.0	106.5
1962+72.00	EB	73.7	13.0	6.0	106.5
1981+21.00	WB	39.6	13.0	6.0	57.2
1981+21.00	EB	39.6	13.0	6.0	57.2
TOTAL =					742.2
USE =					743.0

STATION	DIRECTION	LENGTH (FOOT)	WIDTH (FOOT)	DEPTH (INCH)	44201803
					CLASS D PATCH TYPE II, 13 INCH (SQ YD)
1709+12.00	EB	4.0	13.0	13.0	5.8
1950+69.00	WB	6.0	13.0	13.0	8.7
1950+69.00	EB	6.0	13.0	13.0	8.7
1956+89.00	WB	6.0	13.0	13.0	8.7
1959+55.00	WB	6.0	13.0	13.0	8.7
1959+55.00	EB	6.0	13.0	13.0	8.7
1972+25.00	WB	6.0	13.0	13.0	8.7
1972+25.00	EB	6.0	13.0	13.0	8.7
1981+20.00	WB	6.0	13.0	13.0	8.7
1981+20.00	EB	6.0	13.0	13.0	8.7
1997+63.00	WB	8.0	13.0	13.0	11.6
1997+63.00	EB	8.0	13.0	13.0	11.6
2008+97.00	WB	6.0	13.0	13.0	8.7
2008+97.00	EB	6.0	13.0	13.0	8.7
TOTAL =					124.2
USE =					125.0

STATION	DIRECTION	LENGTH (FOOT)	WIDTH (FOOT)	DEPTH (INCH)	44201815
					CLASS D PATCH TYPE II, 14 INCH (SQ YD)
1734+55.00	WB	4.0	13.0	14.0	5.8
1734+55.00	EB	4.0	13.0	14.0	5.8
1740+72.00	WB	4.0	13.0	14.0	5.8
1740+72.00	EB	4.0	13.0	14.0	5.8
1750+34.00	WB	6.0	13.0	14.0	8.7
1754+90.00	WB	4.0	13.0	14.0	5.8
1760+06.00	WB	6.0	13.0	14.0	8.7
1760+06.00	EB	6.0	12.0	14.0	8.0
1764+72.00	EB	6.0	13.0	14.0	8.7
1769+91.00	WB	4.0	13.0	14.0	5.8
1769+91.00	EB	4.0	13.0	14.0	5.8
1771+02.00	WB	6.0	13.0	14.0	8.7
1772+59.00	WB	4.0	13.0	14.0	5.8
1778+14.00	WB	8.0	13.0	14.0	11.6
1778+14.00	EB	8.0	13.0	14.0	11.6
1779+46.00	WB	6.0	13.0	14.0	8.7
1780+84.00	WB	4.0	13.0	14.0	5.8
1780+84.00	EB	4.0	13.0	14.0	5.8
1782+91.00	WB	4.0	13.0	14.0	5.8
1786+62.00	WB	6.0	13.0	14.0	8.7
1796+75.00	WB	8.0	13.0	14.0	11.6
1796+75.00	EB	4.0	13.0	14.0	5.8
1801+86.00	WB	4.0	13.0	14.0	5.8
1813+30.00	WB	4.0	13.0	14.0	5.8
1813+30.00	EB	4.0	13.0	14.0	5.8
1820+20.00	WB	4.0	13.0	14.0	5.8
1822+02.00	EB	4.0	13.0	14.0	5.8
1829+45.00	WB	4.0	13.0	14.0	5.8
1834+92.00	WB	4.0	13.0	14.0	5.8
1834+92.00	EB	4.0	13.0	14.0	5.8
1837+32.00	WB	6.0	13.0	14.0	8.7
1837+32.00	EB	6.0	13.0	14.0	8.7
1842+58.00	WB	4.0	13.0	14.0	5.8
1843+49.00	WB	4.0	13.0	14.0	5.8
1843+49.00	EB	4.0	13.0	14.0	5.8
1881+82.00	EB	4.0	13.0	14.0	5.8
1864+54.00	WB	6.0	13.0	14.0	8.7
1869+69.00	WB	6.0	13.0	14.0	8.7
1871+78.00	WB	6.0	13.0	14.0	8.7
1884+31.00	EB	6.0	13.0	14.0	8.7

STATION	DIRECTION	LENGTH (FOOT)	WIDTH (FOOT)	DEPTH (INCH)	44201815
					CLASS D PATCH TYPE II, 14 INCH (SQ YD)
1898+96.00	WB	6.0	13.0	14.0	8.7
1898+96.00	EB	6.0	13.0	14.0	8.7
1900+25.00	WB	4.0	13.0	14.0	5.8
1900+25.00	EB	4.0	13.0	14.0	5.8
1901+34.00	WB	8.0	13.0	14.0	11.6
1902+58.00	WB	4.0	13.0	14.0	5.8
1902+58.00	EB	4.0	13.0	14.0	5.8
1914+11.00	WB	4.0	13.0	14.0	5.8
1914+11.00	EB	4.0	13.0	14.0	5.8
1920+51.00	WB	6.0	13.0	14.0	8.7
1920+51.00	EB	6.0	13.0	14.0	8.7
1922+76.00	EB	6.0	13.0	14.0	8.7
1929+75.00	WB	4.0	13.0	14.0	5.8
1929+75.00	EB	4.0	13.0	14.0	5.8
1932+19.00	EB	4.0	13.0	14.0	5.8
TOTAL =					392.2
USE =					393.0

STATION	DIRECTION	LENGTH (FOOT)	WIDTH (FOOT)	DEPTH (INCH)	44201851
					CLASS D PATCH TYPE II, 17 INCH (SQ YD)
1565+95.00	WB	4.0	13.0	17.0	5.8
1579+26.00	WB	4.0	13.0	17.0	5.8
1597+88.00	WB	4.0	13.0	17.0	5.8
1597+88.00	EB	4.0	13.0	17.0	5.8
1617+20.00	WB	4.0	13.0	17.0	5.8
1617+20.00	EB	4.0	13.0	17.0	5.8
1633+87.00	EB	4.0	13.0	17.0	5.8
1633+87.00	WB	4.0	13.0	17.0	5.8
TOTAL =					46.2
USE =					47.0

SCHEDULE OF QUANTITIES

63200310							
GURARDRAIL REMOVAL SCHEDULE							
EXISTING STRUCTURE	PROPOSED STRUCTURE	STATION		TO	LENGTH (FOOT)		
057-0139	N/A	LT	1608+00.07	TO	LT	1608+90.45	100.0
		RT	1608+01.57	TO	RT	1608+90.45	100.0
		LT	1609+09.88	TO	LT	1609+99.08	87.5
		RT	1609+09.88	TO	RT	1609+98.47	87.5
057-0077	N/A	LT	1646+08.46	TO	LT	1646+98.35	87.5
		RT	1646+08.46	TO	RT	1646+98.35	87.5
		LT	1647+24.76	TO	LT	1648+14.10	87.5
		RT	1647+24.76	TO	RT	1648+14.10	87.5
057-8167	057-8214	RT	1675+63.32	TO	RT	1676+88.80	125.0
		LT	1675+90.26	TO	LT	1677+16.53	125.0
057-8165	N/A	RT	1715+77.06	TO	RT	1717+05.81	137.5
		LT	1716+08.73	TO	LT	1717+37.00	137.5
057-8164	N/A	RT	1722+07.77	TO	RT	1723+35.65	137.5
		LT	1722+39.99	TO	LT	1723+67.07	137.5
057-8163	057-8213	RT	1740+79.70	TO	RT	1742+06.80	137.5
		LT	1741+16.60	TO	LT	1742+43.90	137.5
057-0076	N/A	LT	1914+73.23	TO	LT	1916+85.90	212.5
		RT	1915+17.28	TO	RT	1917+01.65	187.5
		LT	1917+29.28	TO	LT	1919+13.81	187.5
		RT	1917+70.11	TO	RT	1919+55.11	187.5
057-8150	057-2045	RT	1961+10.51	TO	RT	1963+14.51	212.5
		LT	1962+56.22	TO	LT	1963+81.24	137.5
057-8149	057-8212	RT	1980+37.95	TO	RT	1981+65.46	137.5
		LT	1980+75.46	TO	LT	1982+03.18	137.5
TOTALS =						1525.0	

STATION	X0301232 SURVEY MARKER VAULT (EACH)	XZ193300 SURVEY MARKER TY 1, (SPECIAL) (EACH)
443+88.20	1.0	1.0
443+94.84	1.0	1.0
470+51.76	1.0	1.0
1996+57.10	1.0	1.0
1970+88.26	1.0	1.0
1944+26.73	1.0	1.0
1891+00.61	1.0	
1864+35.58	1.0	
1864+15.74	1.0	
1811+14.55	1.0	1.0
1784+62.08	1.0	1.0
1784+56.60	1.0	1.0
1731+34.75	1.0	1.0
1731+34.72	1.0	
1706+65.05	1.0	
1653+93.59	1.0	1.0
1628+01.18	1.0	1.0
1627+18.99	1.0	1.0
1575+40.09	1.0	1.0
1574+77.32	1.0	1.0
TOTAL =	20.0	15.0

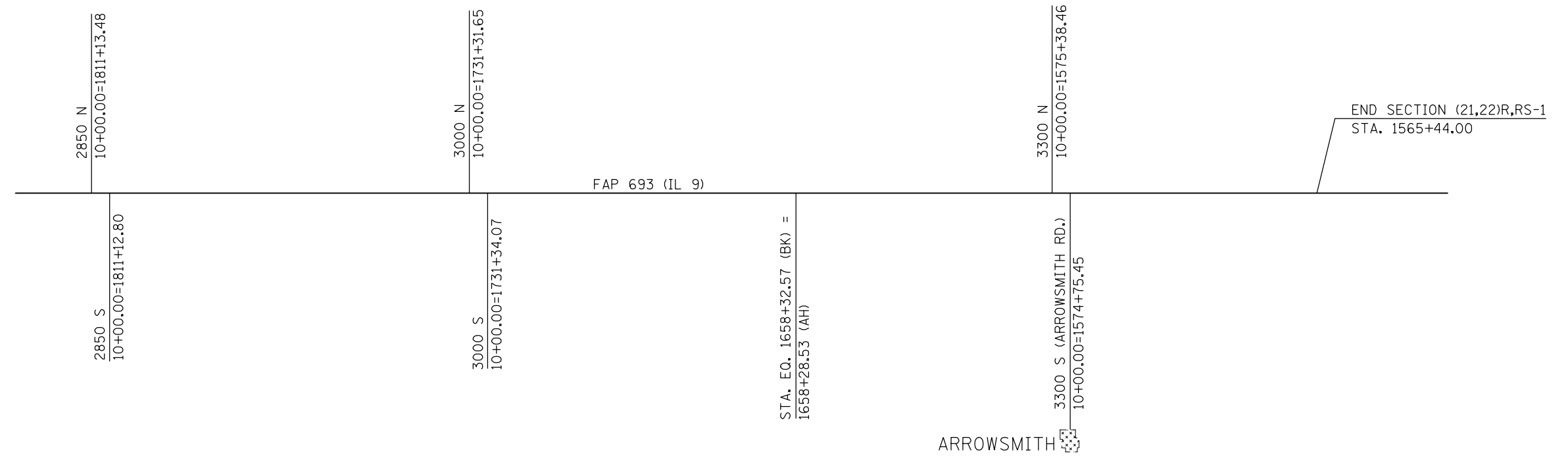
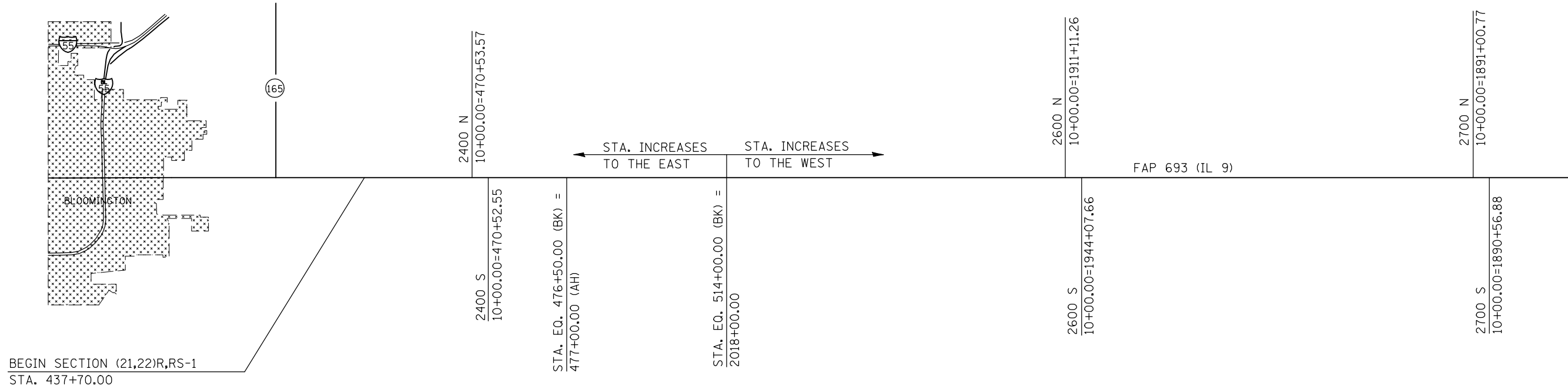
28000300 TEMPORARY DITCH CHECK

LOCATION	SIDE	EACH
S.N. 057-8212	LT	3.0
S.N. 057-8212	RT	2.0
S.N. 057-2045	LT	3.0
S.N. 057-2045	RT	2.0
S.N. 057-2046	LT	2.0
S.N. 057-2046	RT	2.0
S.N. 057-8213	LT	2.0
S.N. 057-8213	RT	4.0
S.N. 057-8214	LT	2.0
S.N. 057-8214	RT	2.0
DITCH CLEANING	RT	4.0
TOTAL =		28.0

28000400 PERIMETER EROSION BARRIER

SIDE	STATION	TO	STATION	FOOT
RT	1979+37.50	TO	1982+42.20	304.7
LT	1981+21.00	TO	1983+04.70	183.7
LT	1963+00.00	TO	1964+50.00	150.0
RT	1960+65.01	TO	1963+82.40	317.4
LT	1956+25.00	TO	1957+73.20	148.2
RT	1955+65.00	TO	1956+86.20	121.2
LT	1740+40.90	TO	1743+45.70	304.8
LT	1675+21.80	TO	1678+26.80	305.0
RT	1674+81.50	TO	1677+64.40	282.9
LT	1586+51.00	TO	1586+73.00	22.0
RT	1586+51.00	TO	1586+73.00	22.0
TOTAL =				2161.9
USE =				2162.0

CENTERLINE SKETCH



FILE NAME =	USER NAME = carrollrt	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROADWAY ALIGNMENT			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\p\dot\carrollrt\d0104712\70509\Details.dgn	PLOT SCALE = 40.0000' / IN.	DRAWN -	REVISED -					693	(21,22)R,RS-1	MCLEAN	105	20
PLOT DATE = 4/3/2009	DATE -	CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 70509				
		DATE -	REVISED -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

STATION 1962+55.00
 BUILT 20__ BY
 STATE OF ILLINOIS
 F.A.P. 693 SEC. (21,22)R,RS-1
 LOADING HS-20
 STRUCTURE NO. 057-2045

PROPOSED S.N. 057-2045
 STATION 1962+55.00
 PRECAST BOX CULVERT WITH
 CAST-IN-PLACE END SECTIONS
 DOUBLE 12' X 3' X 36.5'
 SKEW = 0°
 SEE DETAIL SHEETS 33 & 34

EXISTING S.N. 057-8150
 6'x4' RC BOX CULVERT
 STATION 1962+85.00
 SKEW = 45° LT FWD

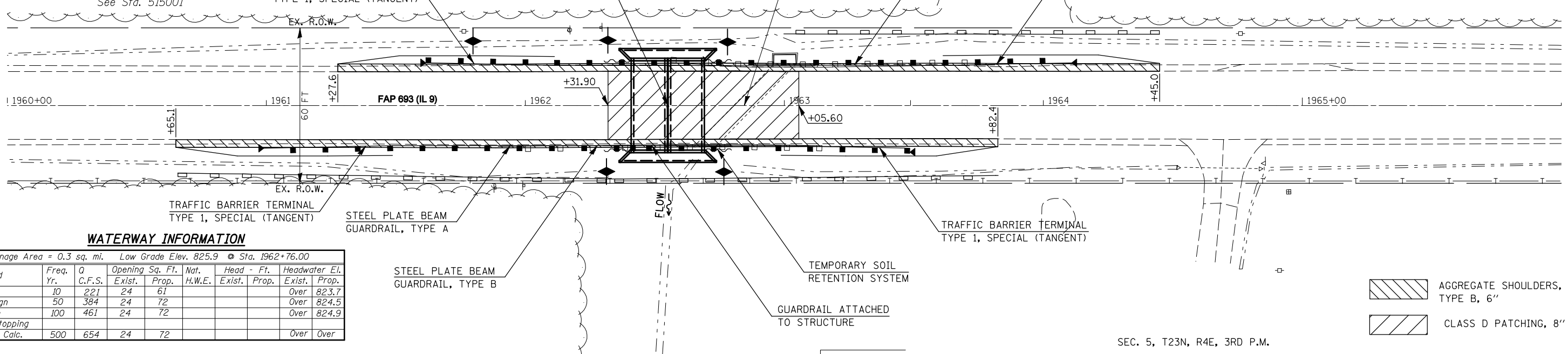
SEC. 32, T24N, R4E, 3RD P.M.

NAME PLATE
 See Std. 515001

TRAFFIC BARRIER TERMINAL
 TYPE 1, SPECIAL (TANGENT)

STEEL PLATE BEAM
 GUARDRAIL, TYPE A

TRAFFIC BARRIER TERMINAL
 TYPE 1, SPECIAL (TANGENT)



WATERWAY INFORMATION

Drainage Area = 0.3 sq. mi. Low Grade Elev. 825.9 @ Sta. 1962+76.00

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	221	24	61				Over	823.7
Base	50	384	24	72				Over	824.5
Overtopping	100	461	24	72				Over	824.9
Max. Calc.	500	654	24	72				Over	Over

AGGREGATE SHOULDERS, TYPE B, 6"
 CLASS D PATCHING, 8"

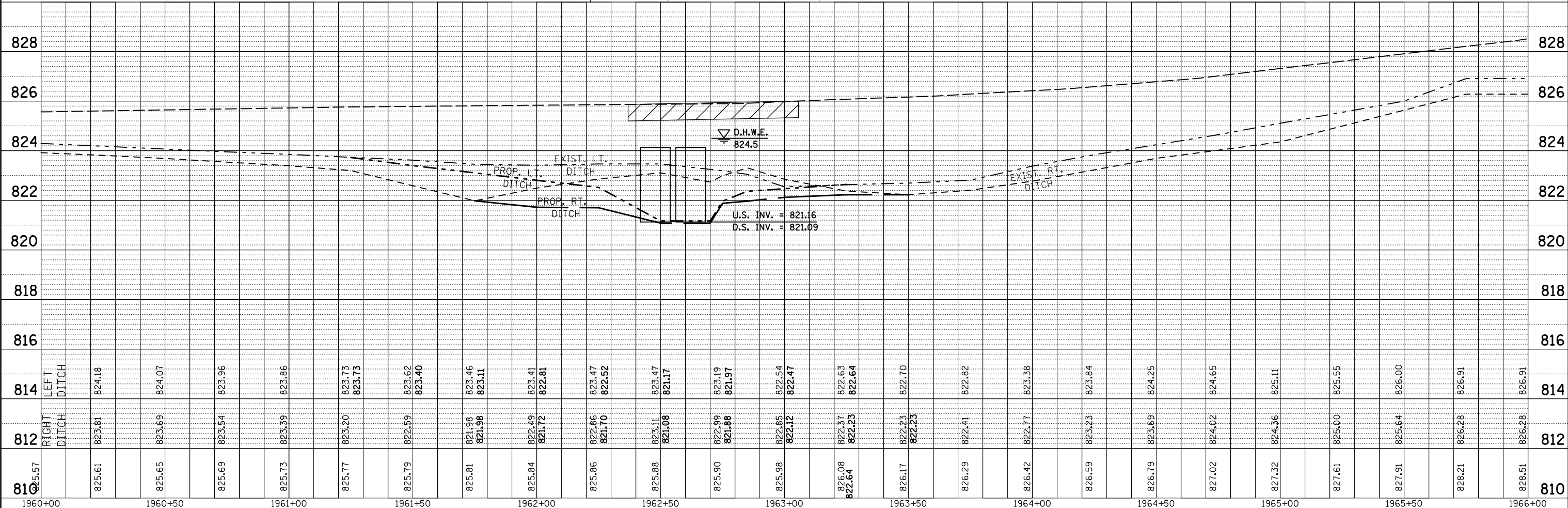
SEC. 5, T23N, R4E, 3RD P.M.

PLAN

DATE	
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PROFILE

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FILE NAME =	USER NAME = carrollrt	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN AND PROFILE PROPOSED S.N. 057-2045				F.A.P. RTE. 693	SECTION (21,22)R,RS-1	COUNTY MCLEAN	TOTAL SHEETS 105	SHEET NO. 22
ct:\pwwork\pwwid\01\04712\70509\Plan&Profile.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 70509			
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								
PLOT DATE = 4/3/2009		DATE -	REVISED -										

STATION 1741+62.00
BUILT 20__ BY
STATE OF ILLINOIS
F.A.P. 693 SEC. (21,22)R,RS-1
LOADING HS-20
STRUCTURE NO. 057-8213

SEC. 36, T24N, R4E, 3RD P.M.

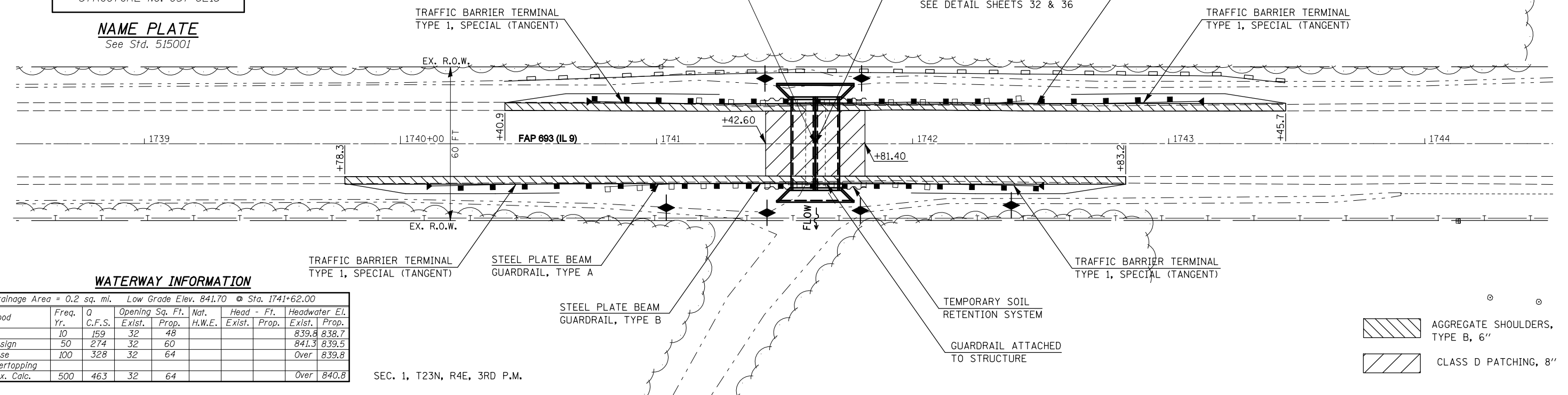
EXISTING S.N. 057-8163
8'x4' RC BOX CULVERT
STATION 1741+62.00
SKEW = 0°

PROPOSED S.N. 057-8213
STATION 1741+62.00
PRECAST BOX CULVERT WITH
CAST-IN-PLACE END SECTION
AND UPSTREAM DROP STRUCTURE
DOUBLE 8' X 4' X 36.5'
SKEW = 0°
SEE DETAIL SHEETS 32 & 36

STEEL PLATE BEAM
GUARDRAIL, TYPE A

NAME PLATE
See Std. 515001

DATE	
BY	
SURVEYED	
PLOTTED	
CHECKED	
NOTED	
NO.	



WATERWAY INFORMATION

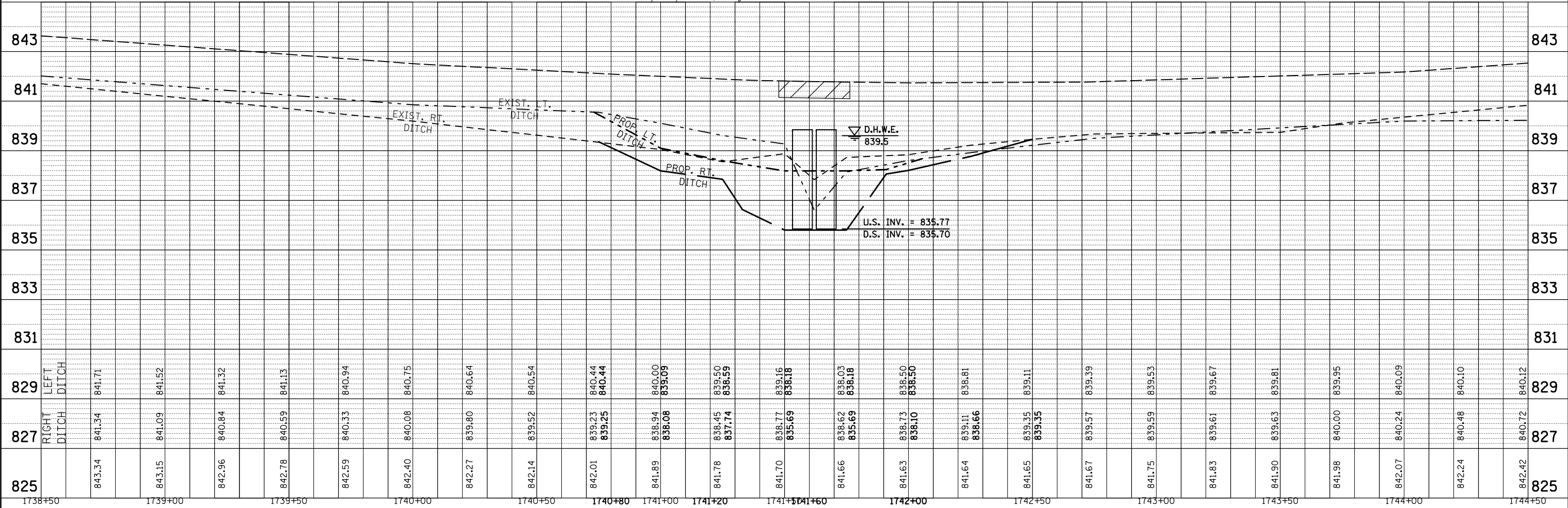
Drainage Area = 0.2 sq. mi. Low Grade Elev. 841.70 @ Sta. 1741+62.00

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.	Head - Ft.		Headwater El.	
			Exist.	Prop.		Exist.	Prop.	Exist.	Prop.
10	159	32	48					839.8	838.7
Design	50	274	32	60				841.3	839.5
Base	100	328	32	64				Over	839.8
Overtopping									
Max. Calc.	500	463	32	64				Over	840.8

SEC. 1, T23N, R4E, 3RD P.M.

- AGGREGATE SHOULDERS, TYPE B, 6"
- CLASS D PATCHING, 8"

DATE	
BY	
SURVEYED	
PLOTTED	
CHECKED	
NOTED	
NO.	



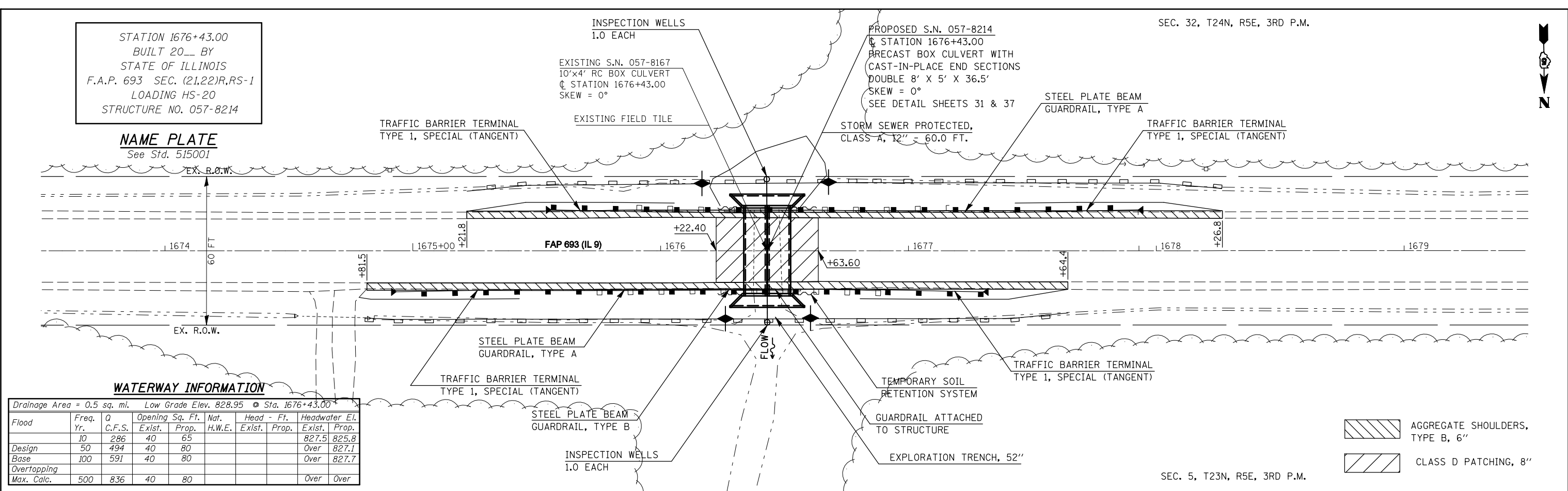
FILE NAME =	USER NAME = carrollr	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN AND PROFILE PROPOSED S.N. 057-8213				F.A.P. RTE. 693	SECTION (21,22)R,RS-1	COUNTY MCLEAN	TOTAL SHEETS 105	SHEET NO. 24
ct:\pwwork\pwwid01\CARROLLR\10104712\70509\Plan&Profile.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 70509			
		CHECKED -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								
		DATE -	REVISED -										

STATION 1676+43.00
 BUILT 20__ BY
 STATE OF ILLINOIS
 F.A.P. 693 SEC. (21,22)R,RS-1
 LOADING HS-20
 STRUCTURE NO. 057-8214

SEC. 32, T24N, R5E, 3RD P.M.

NAME PLATE
 See Std. 515001

DATE	
BY	
PLAN	
NOTE BOOK NO.	
SURVEYED	
PLOTTED	
CHECKED	
APPROVED	
CADD FILE NAME	



WATERWAY INFORMATION

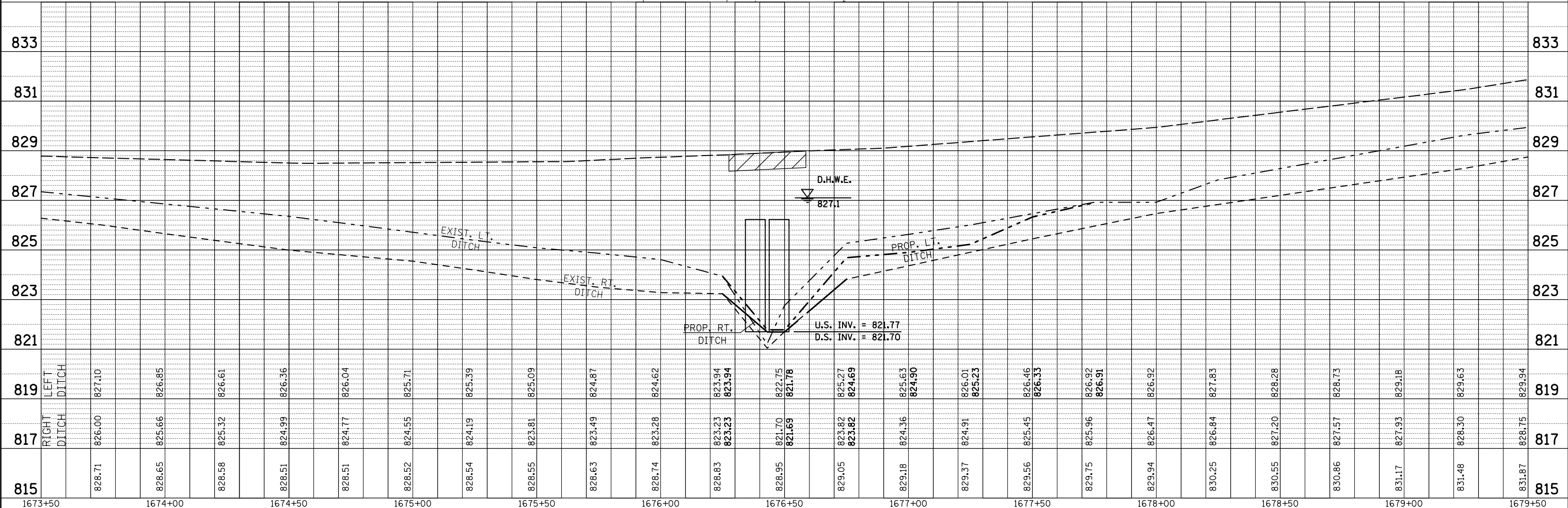
Drainage Area = 0.5 sq. mi. Low Grade Elev. 828.95 @ Sta. 1676+43.00

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	286	40	65					827.5	825.8
Base	50	494	40	80					Over	827.1
Overtopping	100	591	40	80					Over	827.7
Max. Calc.	500	836	40	80					Over	Over

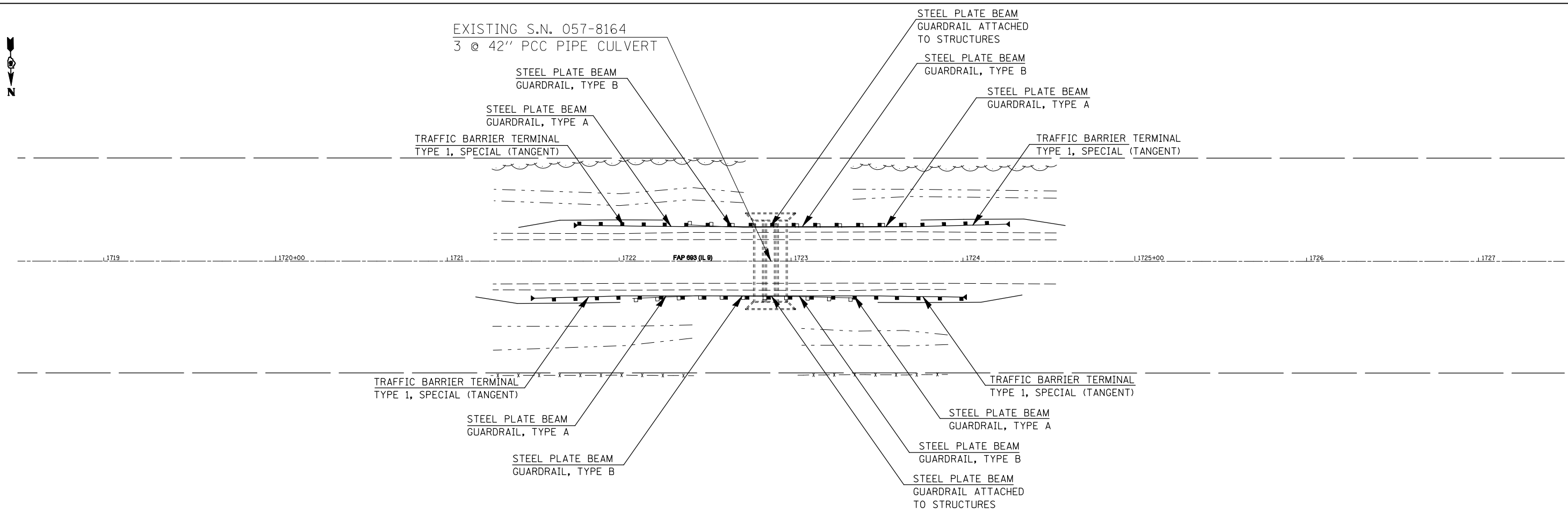
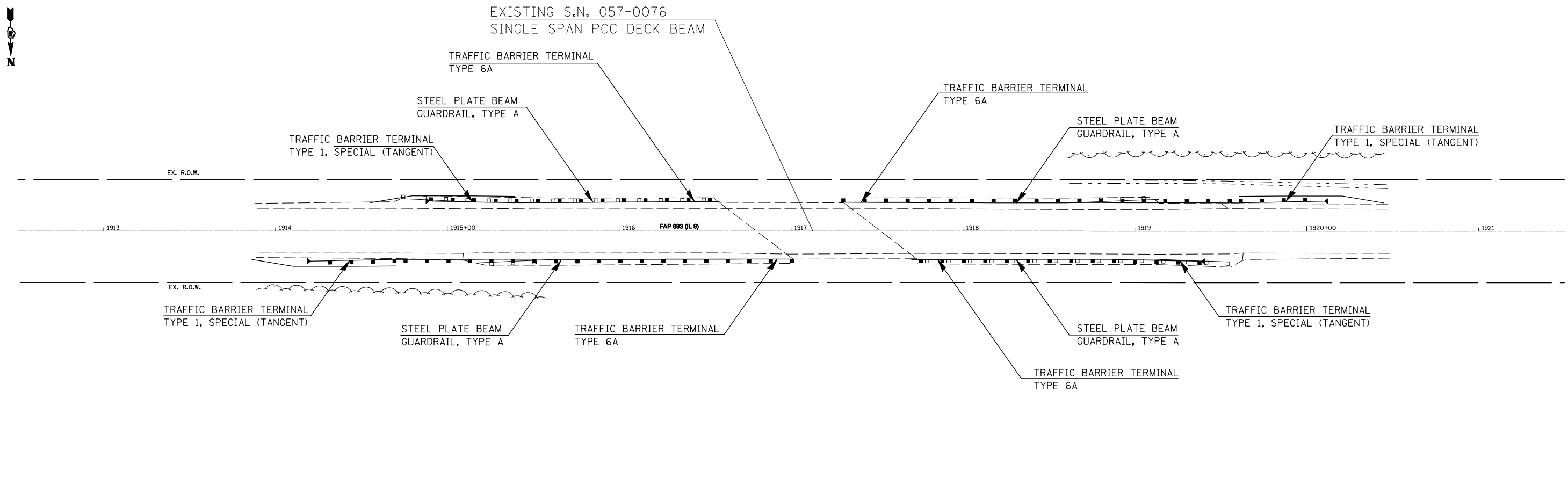
AGGREGATE SHOULDERS, TYPE B, 6"
 CLASS D PATCHING, 8"

SEC. 5, T23N, R5E, 3RD P.M.

DATE	
BY	
PROFILE	
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SURVEYED	
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FILE NAME =	USER NAME = carrollrt	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN AND PROFILE PROPOSED S.N. 057-8214	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pwwork\pwwid\DOT\CARROLLRT\0104712\70509\Profile.dgn	PLOT SCALE = 40.0000' / IN.	DRAWN -	REVISED -			693	(21,22)R,RS-1	MCLEAN	105	25	
PLOT DATE = 4/3/2009	DATE -	CHECKED -	REVISED -			CONTRACT NO. 70509					
		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

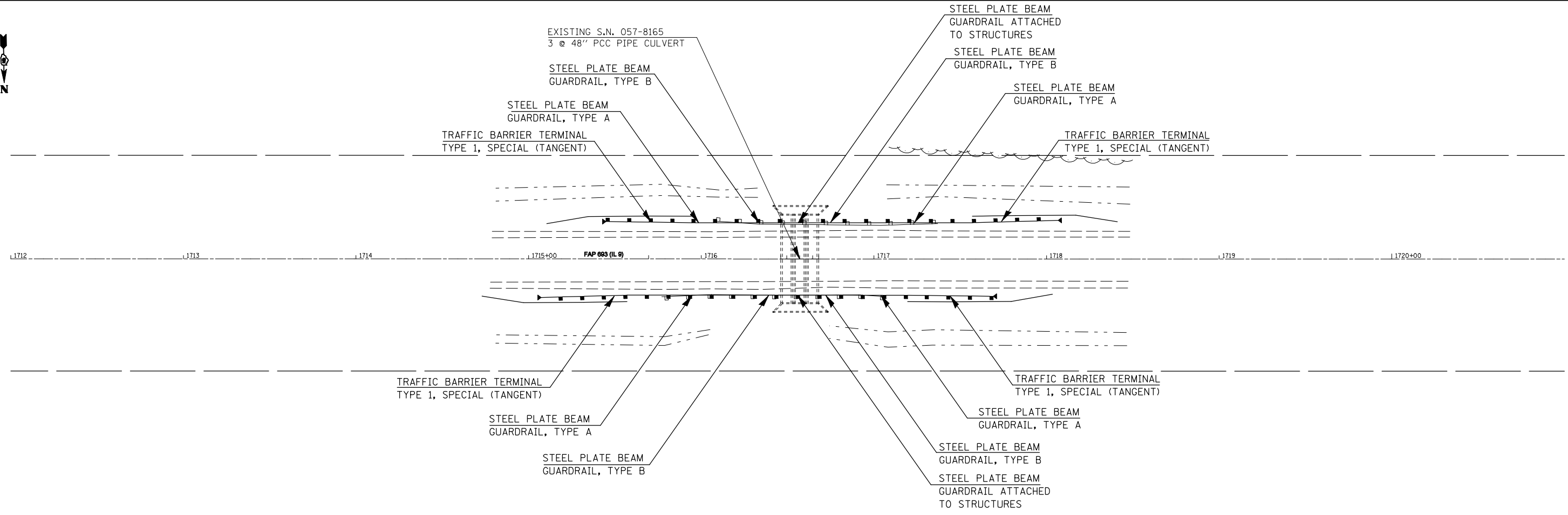


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PLOT SCALE = 60.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 4/3/2009		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

GUARDRAIL PLAN			
S.N. 057-0079 & S.N. 057-8164			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	27
CONTRACT NO. 70509				
ILLINOIS FED. AID PROJECT				



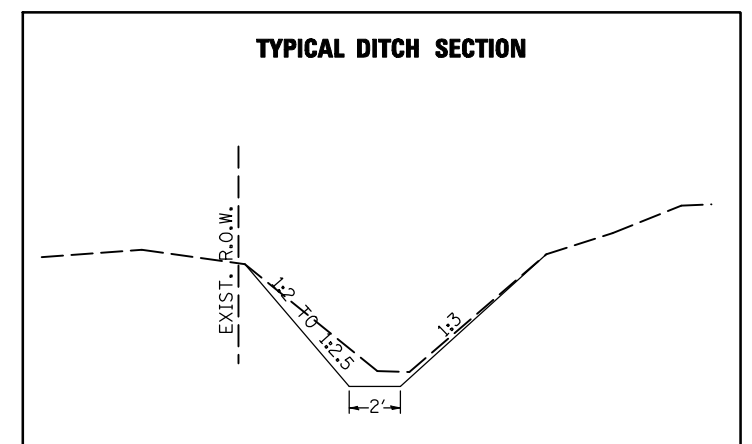
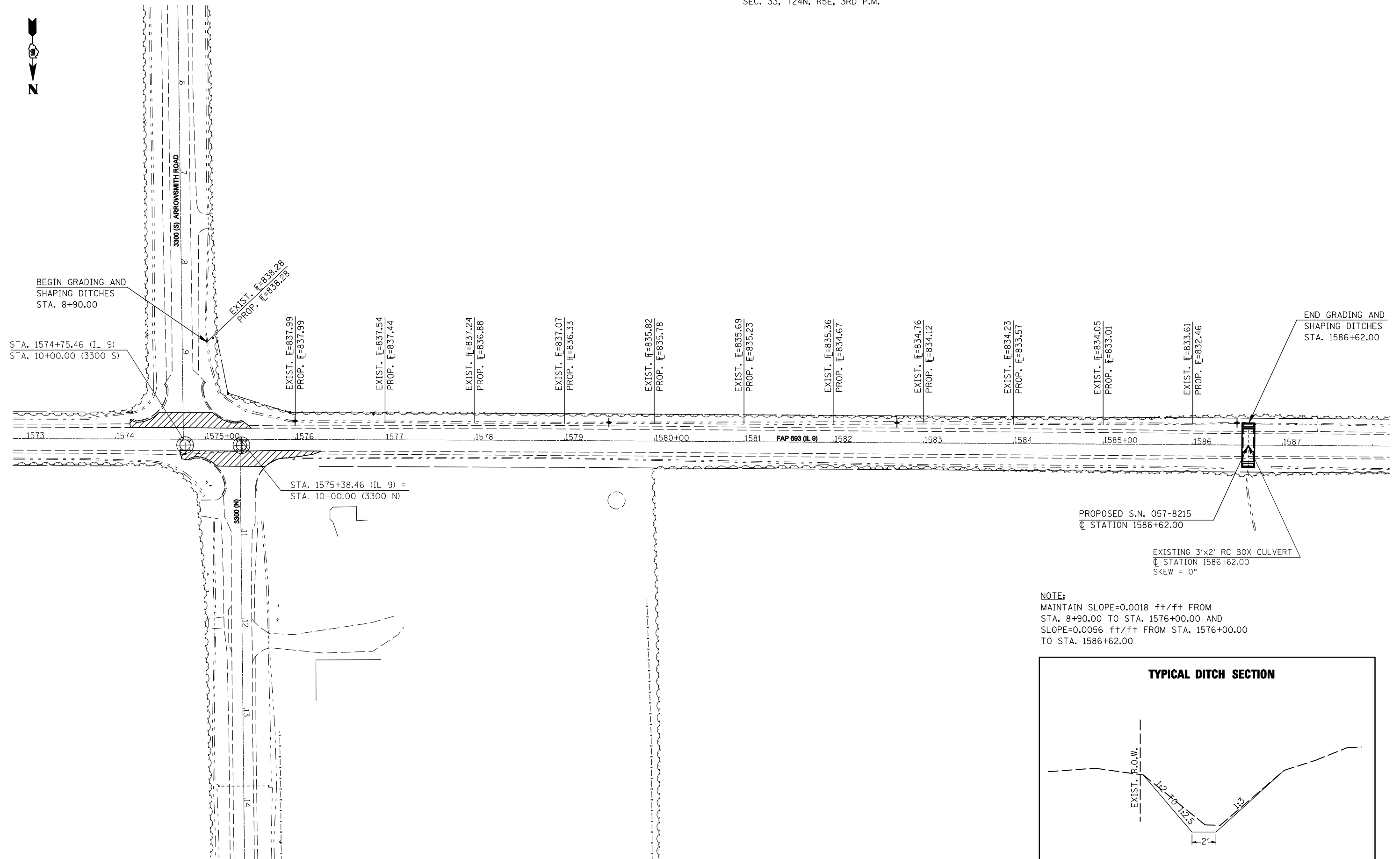
FILE NAME =	USER NAME = carrollrt	DESIGNED -	REVISED -
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	PLOT SCALE = 60.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 4/3/2009	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

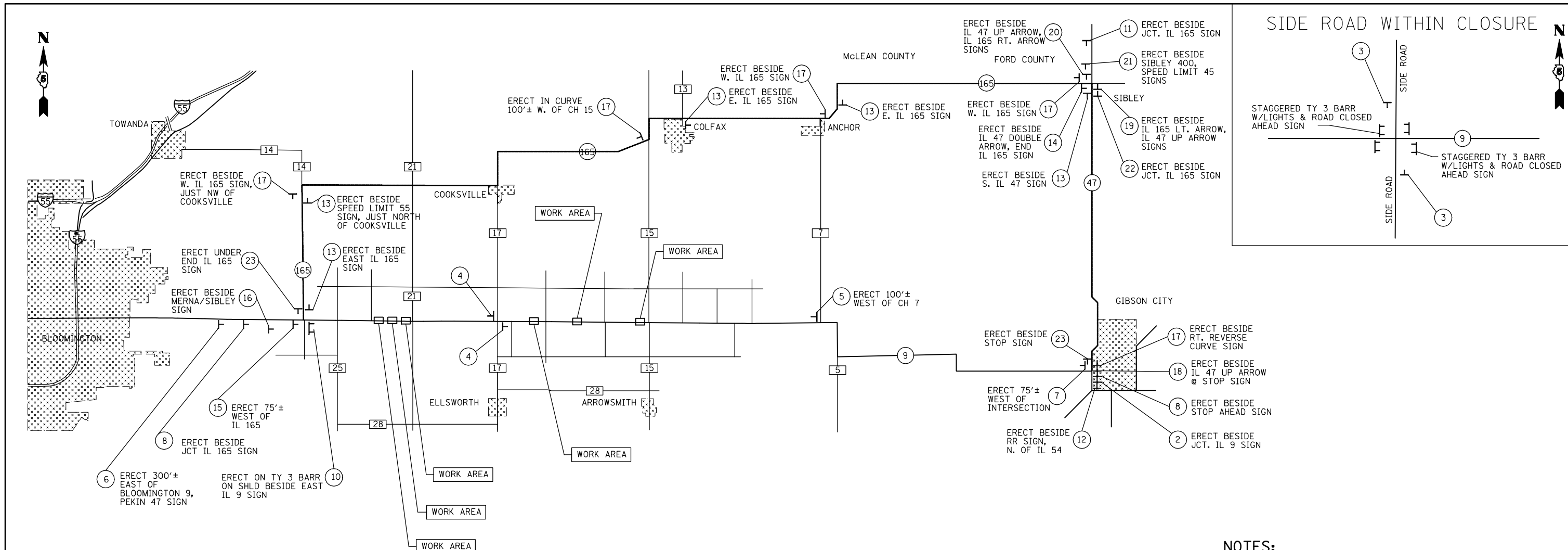
**GUARDRAIL PLAN
S.N. 057-8165**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	28
ILLINOIS FED. AID PROJECT			CONTRACT NO. 70509	



FILE NAME = c:\pwork\pwidot\CARROLLRT\d0104712\70509Plan&Profile.dgn	USER NAME = carrollrt	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GRADING AND SHAPING DITCHES			F.A.P. RTE. 693	SECTION (21,22)R,RS-1	COUNTY MCLEAN	TOTAL SHEETS 105	SHEET NO. 29
PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -	REVISED -					SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
PLOT DATE = 4/3/2009	DATE -	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT							

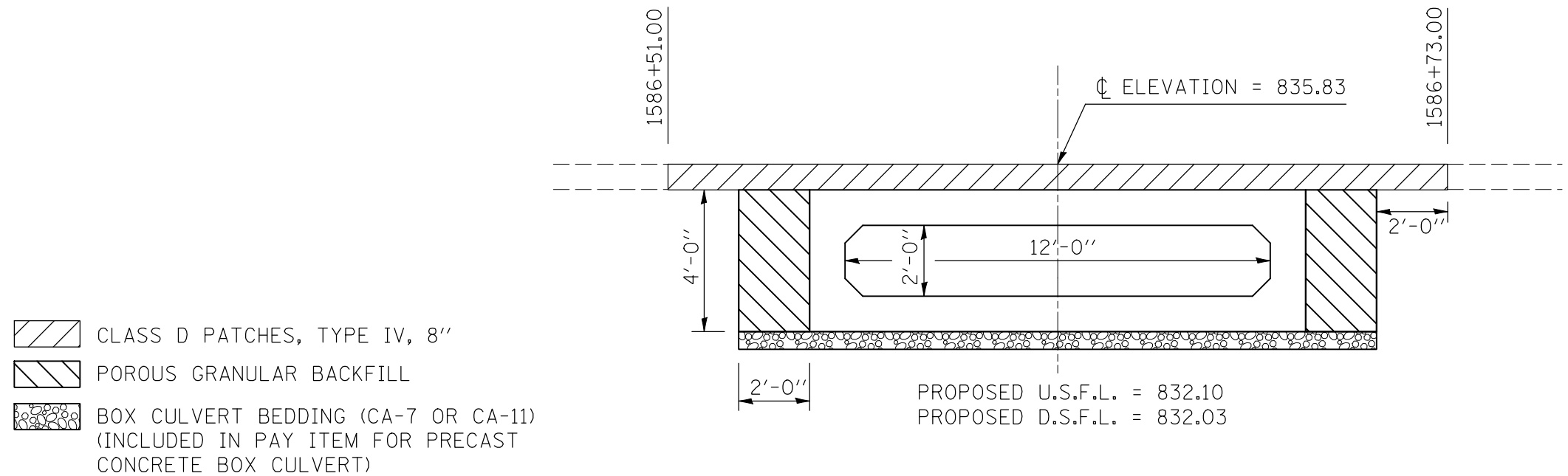


NOTES:

- IL 9 SHALL NOT BE CLOSED UNTIL ALL DETOUR SIGNING IS ERECTED AND APPROVED BY THE ENGINEER.
- 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).
- 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.
- 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.
- FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS PER BARRICADE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ERECTING THE SIGNING OF THE ROAD CLOSURE AS SHOWN ON THIS SHEET. PRIOR TO CLOSING THE ROAD, THE DISTRICT 5 BUREAU OF OPERATIONS SHALL BE NOTIFIED AT LEAST TEN (10) WORKING DAYS IN ADVANCE IN ORDER TO FABRICATE THE SIGNS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE ROAD CLOSURE WITH THE DISTRICT BUREAU OF OPERATIONS.
- TRAFFIC CONTROL SHOWN WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER LUMP SUM FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL).
- 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.
- SEE DISTRICT DETAIL 70200000 - TRAFFIC CONTROL & PROTECTION (ROAD & SIDEROAD/STREET CLOSURES) FOR ADDITIONAL INFORMATION.

W20-3(O)-48 POST MOUNTED W/LIGHT	W20-3(O)-48 M5-1R POST MOUNTED	W20-3(O)-48 M5-1R POST MOUNTED	W20-3(O)-48 W16-3A(O) POST MOUNTED	W20-3(O)-48 W16-3A(O) POST MOUNTED	W20-3(O)-48 W16-3A(O) POST MOUNTED	W20-3(O)-48 W16-3A(O) POST MOUNTED	W20-2(O)-48 POST MOUNTED	W20-3(O)-48 POST MOUNTED W/LIGHT	R11-3A 6030(O) MOUNTED TO NCHRP-350 APPROVED DEVICE & TYPE III BARRICADE	R11-3A 6030(O) MOUNTED TO NCHRP-350 APPROVED DEVICE & TYPE III BARRICADE	
SIGN PANEL 1	SIGN PANEL 2	SIGN PANEL 3	SIGN PANEL 4	SIGN PANEL 5	SIGN PANEL 6	SIGN PANEL 7	SIGN PANEL 8	SIGN PANEL 9	SIGN PANEL 10	SIGN PANEL 11	
R11-3A 6030(O) MOUNTED TO NCHRP-350 APPROVED DEVICE & TYPE III BARRICADE	M4-8 M3-2 M1-5 POST MOUNTED	M4-8 M3-2 M1-5 M6-1 POST MOUNTED	M4-8 M3-2 M1-5 M6-1 POST MOUNTED	M4-8 M3-2 M1-5 M5-1L POST MOUNTED	M4-8 M3-4 M1-5 M1-5 POST MOUNTED	M4-8 M3-4 M1-5 M6-3 POST MOUNTED	M4-8 M3-4 M1-5 M6-1 POST MOUNTED	M4-8 M3-4 M1-5 M6-1 POST MOUNTED	M4-8 M3-4 M1-5 M5-1R POST MOUNTED	M4-8 M3-4 M1-5 M5-1L POST MOUNTED	M4-8E POST MOUNTED
SIGN PANEL 12	SIGN PANEL 13	SIGN PANEL 14	SIGN PANEL 15	SIGN PANEL 16	SIGN PANEL 17	SIGN PANEL 18	SIGN PANEL 19	SIGN PANEL 20	SIGN PANEL 21	SIGN PANEL 22	SIGN PANEL 23

DETAIL OF POROUS GRANULAR BACKFILL S.N. 057-8215 AT STA. 1586 + 62.00



DETAIL NOTE:
Porous Granular Backfill shall extend to the end of the box culvert.

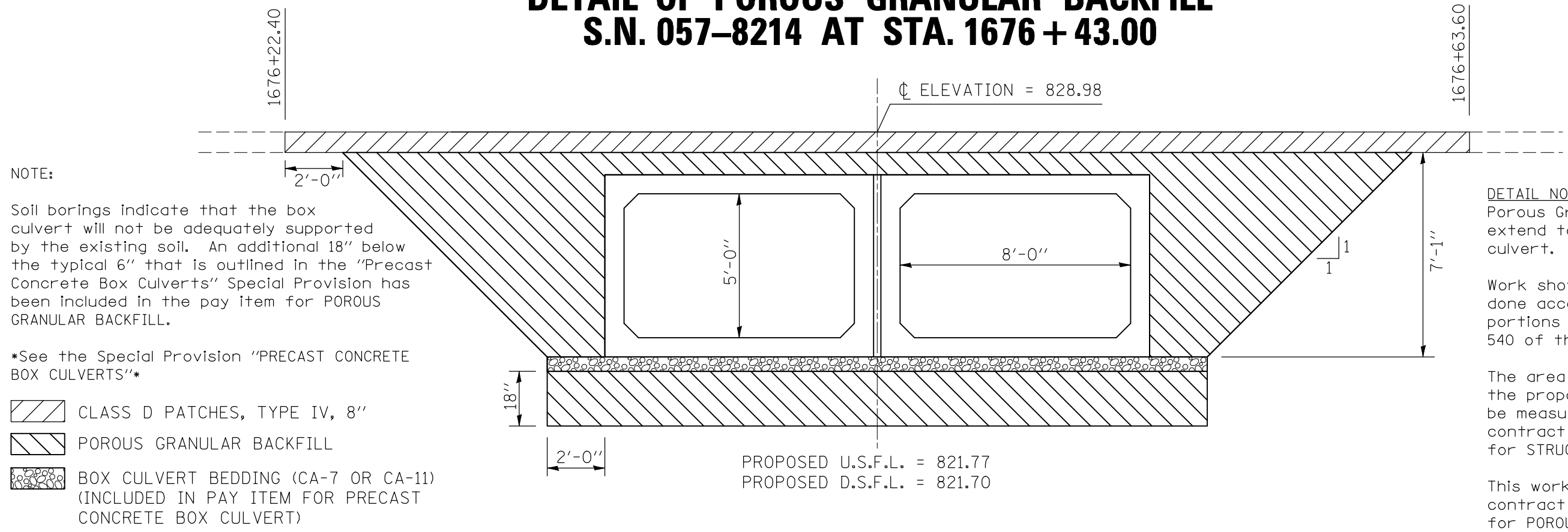
Work shown in detail shall be done according to the applicable portions of article 209 and article 540 of the Standard Specifications.

The area to be excavated for the proposed box culvert shall be measured and paid for at the contract unit price per cubic yard for STRUCTURE EXCAVATION.

This work shall be paid for at the contract unit price per cubic yard for POROUS GRANULAR BACKFILL

- CLASS D PATCHES, TYPE IV, 8"
- POROUS GRANULAR BACKFILL
- BOX CULVERT BEDDING (CA-7 OR CA-11)
(INCLUDED IN PAY ITEM FOR PRECAST CONCRETE BOX CULVERT)

DETAIL OF POROUS GRANULAR BACKFILL S.N. 057-8214 AT STA. 1676 + 43.00



NOTE:
Soil borings indicate that the box culvert will not be adequately supported by the existing soil. An additional 18" below the typical 6" that is outlined in the "Precast Concrete Box Culverts" Special Provision has been included in the pay item for POROUS GRANULAR BACKFILL.

See the Special Provision "PRECAST CONCRETE BOX CULVERTS"

- CLASS D PATCHES, TYPE IV, 8"
- POROUS GRANULAR BACKFILL
- BOX CULVERT BEDDING (CA-7 OR CA-11)
(INCLUDED IN PAY ITEM FOR PRECAST CONCRETE BOX CULVERT)

DETAIL NOTE:
Porous Granular Backfill shall extend to the end of the box culvert.

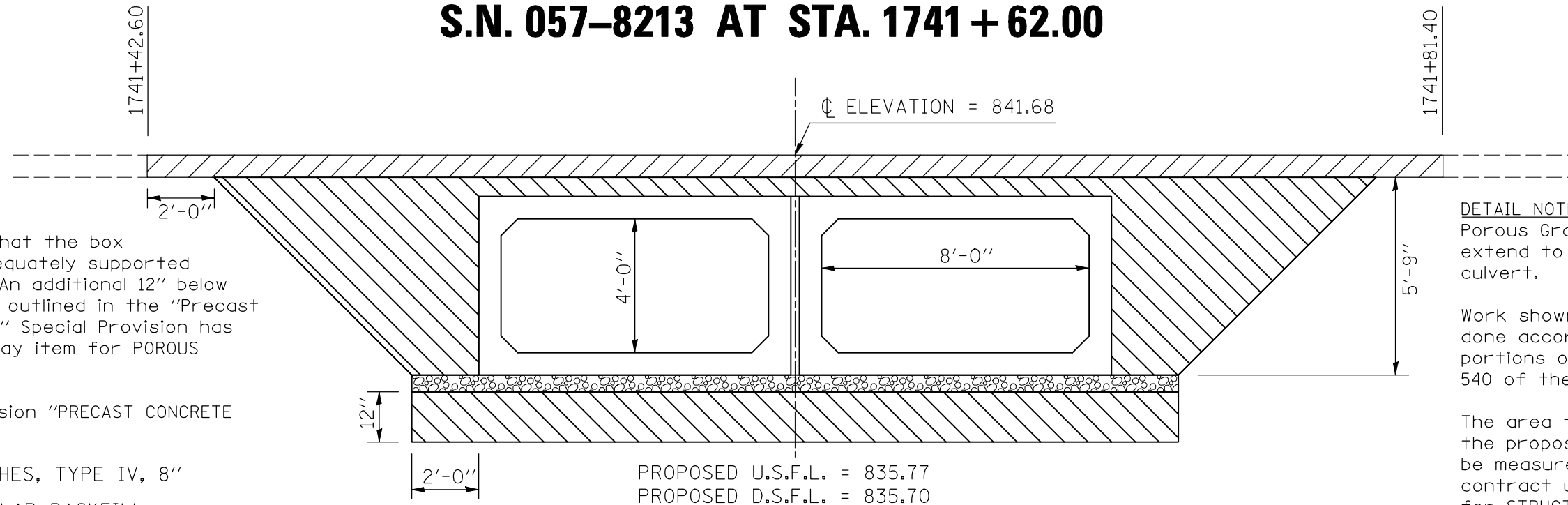
Work shown in detail shall be done according to the applicable portions of article 209 and article 540 of the Standard Specifications.

The area to be excavated for the proposed box culvert shall be measured and paid for at the contract unit price per cubic yard for STRUCTURE EXCAVATION.

This work shall be paid for at the contract unit price per cubic yard for POROUS GRANULAR BACKFILL

FILE NAME =	USER NAME = carrollrt	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL OF POROUS GRANULAR BACKFILL PROPOSED S.N. 057-8214 & S.N. 057-8215	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pwwork\pwwid\carrollrt\d0104712\70509Details.dgn	DRAWN -	REVISED -	REVISED -			693	(21,22)R,RS-1	MCLEAN	105	31	
PLOT SCALE = 40.0000 ' / IN.	CHECKED -	REVISED -	REVISED -			CONTRACT NO. 70509					
PLOT DATE = 4/3/2009	DATE -	REVISED -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					




DETAIL OF POROUS GRANULAR BACKFILL S.N. 057-8213 AT STA. 1741+62.00



NOTE:

Soil borings indicate that the box culvert will not be adequately supported by the existing soil. An additional 12" below the typical 6" that is outlined in the "Precast Concrete Box Culverts" Special Provision has been included in the pay item for POROUS GRANULAR BACKFILL.

See the Special Provision "PRECAST CONCRETE BOX CULVERTS"

-  CLASS D PATCHES, TYPE IV, 8"
-  POROUS GRANULAR BACKFILL
-  BOX CULVERT BEDDING (CA-7 OR CA-11)
(INCLUDED IN PAY ITEM FOR PRECAST CONCRETE BOX CULVERT)

DETAIL NOTE:

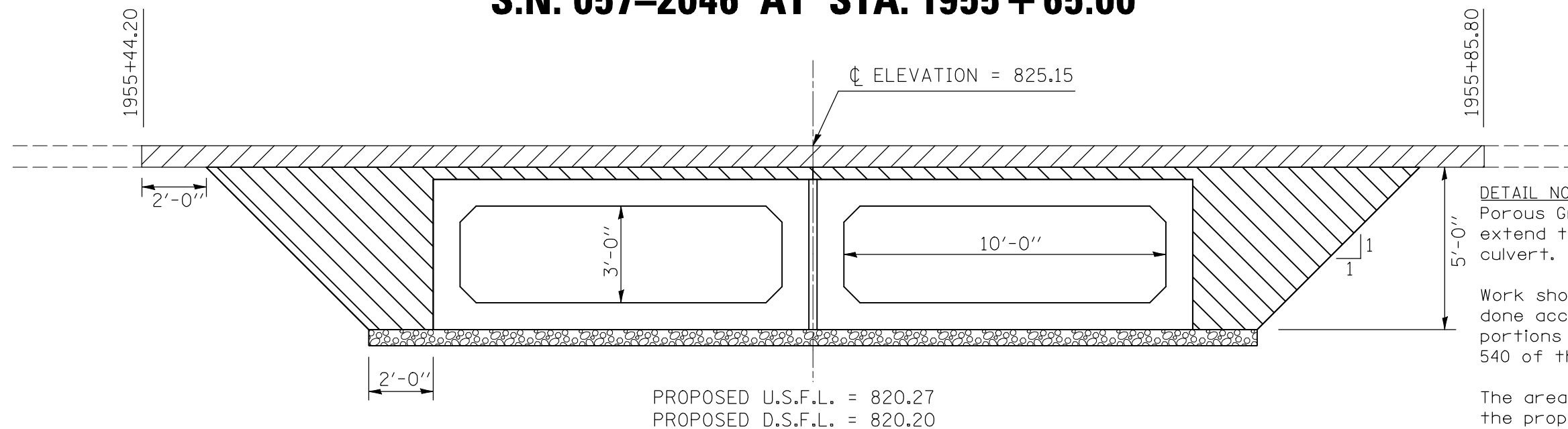
Porous Granular Backfill shall extend to the end of the box culvert.




Work shown in detail shall be done according to the applicable portions of article 209 and article 540 of the Standard Specifications.

The area to be excavated for the proposed box culvert shall be measured and paid for at the contract unit price per cubic yard for STRUCTURE EXCAVATION.

This work shall be paid for at the contract unit price per cubic yard for POROUS GRANULAR BACKFILL

DETAIL OF POROUS GRANULAR BACKFILL S.N. 057-2046 AT STA. 1955+65.00



-  CLASS D PATCHES, TYPE IV, 8"
-  POROUS GRANULAR BACKFILL
-  BOX CULVERT BEDDING (CA-7 OR CA-11)
(INCLUDED IN PAY ITEM FOR PRECAST CONCRETE BOX CULVERT)

DETAIL NOTE:

Porous Granular Backfill shall extend to the end of the box culvert.

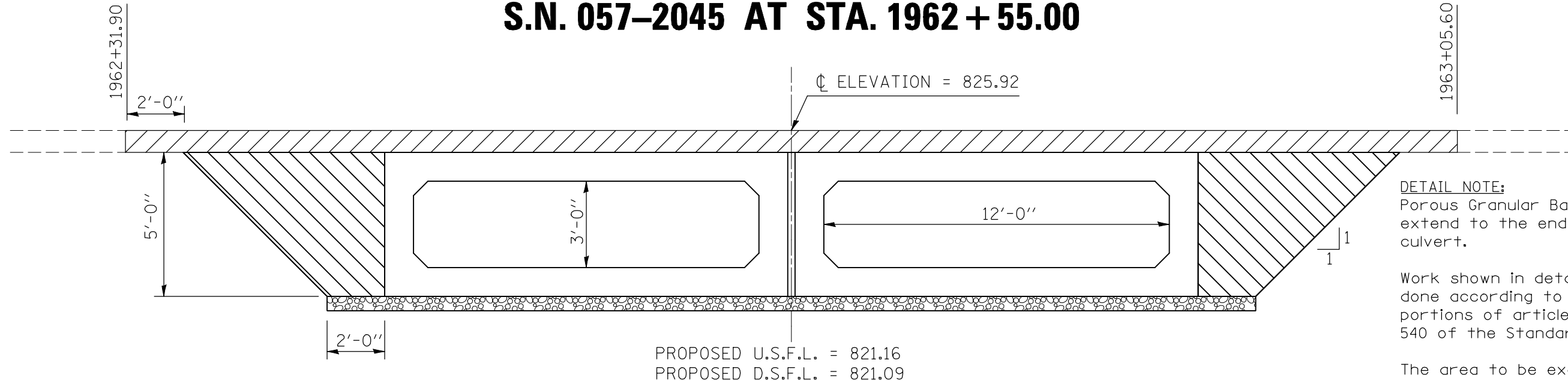
Work shown in detail shall be done according to the applicable portions of article 209 and article 540 of the Standard Specifications.

The area to be excavated for the proposed box culvert shall be measured and paid for at the contract unit price per cubic yard for STRUCTURE EXCAVATION.

This work shall be paid for at the contract unit price per cubic yard for POROUS GRANULAR BACKFILL

FILE NAME =	USER NAME = carrollrt	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL OF POROUS GRANULAR BACKFILL PROPOSED S.N. 057-8213 & S.N. 057-2046	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pwork\pwork\PWIDOT\CARROLLRT\d0104712\70599Details.dgn	DRAWN -	REVISED -	693			(21,22)R,RS-1	MCLEAN	105	32	
PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 70509							
PLOT DATE = 4/3/2009	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							
					SCALE:	SHEET NO. OF SHEETS STA. TO STA.				

DETAIL OF POROUS GRANULAR BACKFILL S.N. 057-2045 AT STA. 1962 + 55.00



DETAIL NOTE:
Porous Granular Backfill shall extend to the end of the box culvert.

Work shown in detail shall be done according to the applicable portions of article 209 and article 540 of the Standard Specifications.

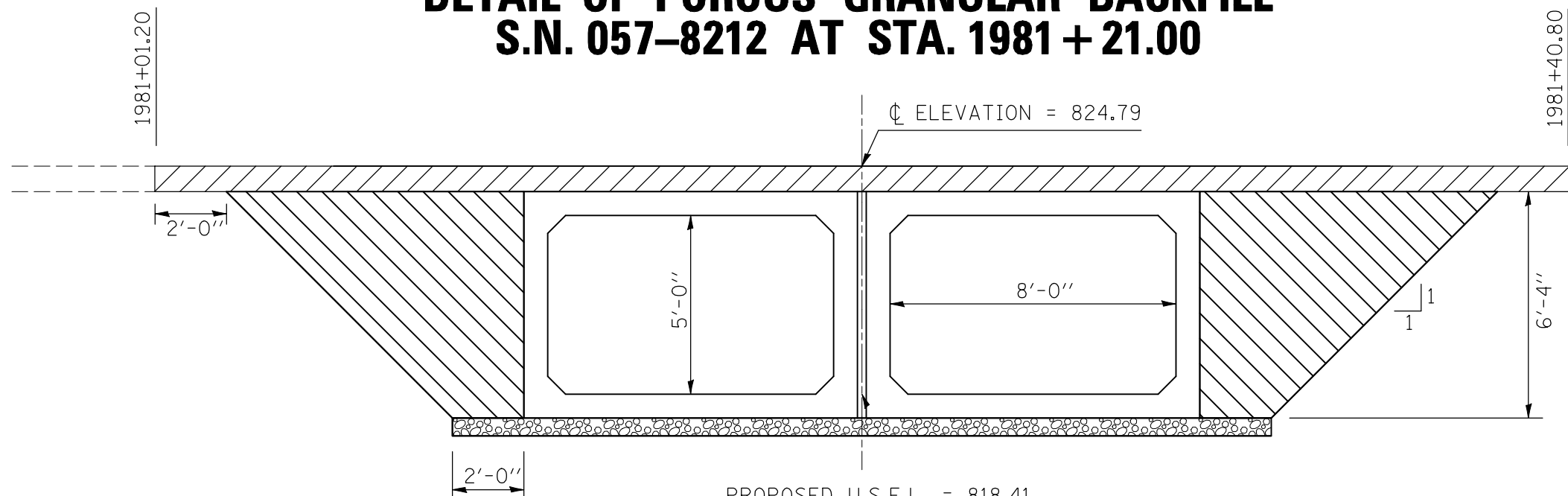
The area to be excavated for the proposed box culvert shall be measured and paid for at the contract unit price per cubic yard for STRUCTURE EXCAVATION.

This work shall be paid for at the contract unit price per cubic yard for POROUS GRANULAR BACKFILL

- CLASS D PATCHES, TYPE IV, 8"
- POROUS GRANULAR BACKFILL
- BOX CULVERT BEDDING (CA-7 OR CA-11)
(INCLUDED IN PAY ITEM FOR PRECAST CONCRETE BOX CULVERT)

PROPOSED U.S.F.L. = 821.16
PROPOSED D.S.F.L. = 821.09

DETAIL OF POROUS GRANULAR BACKFILL S.N. 057-8212 AT STA. 1981 + 21.00



DETAIL NOTE:
Porous Granular Backfill shall extend to the end of the box culvert.

Work shown in detail shall be done according to the applicable portions of article 209 and article 540 of the Standard Specifications.

The area to be excavated for the proposed box culvert shall be measured and paid for at the contract unit price per cubic yard for STRUCTURE EXCAVATION.

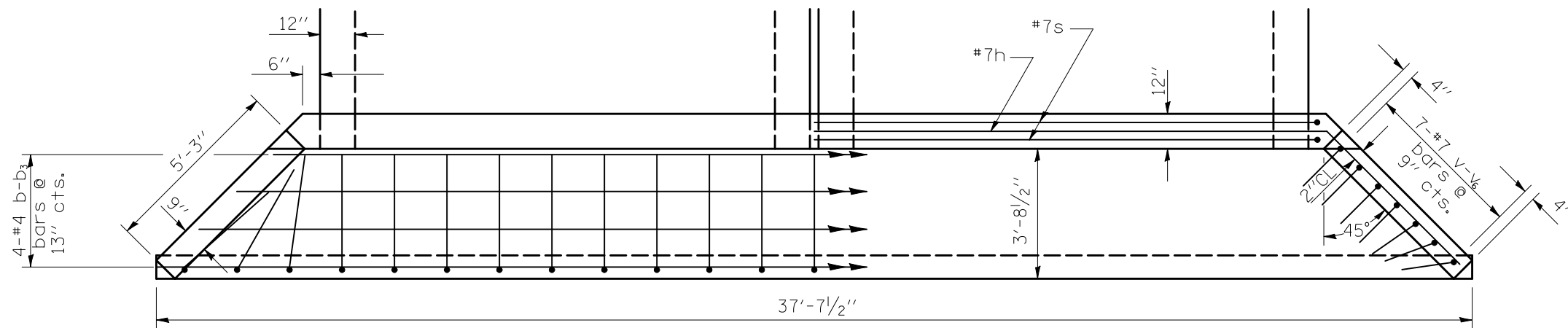
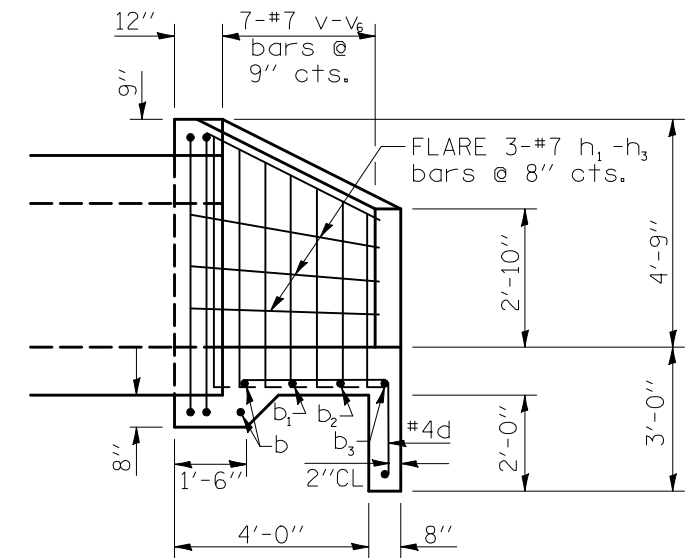
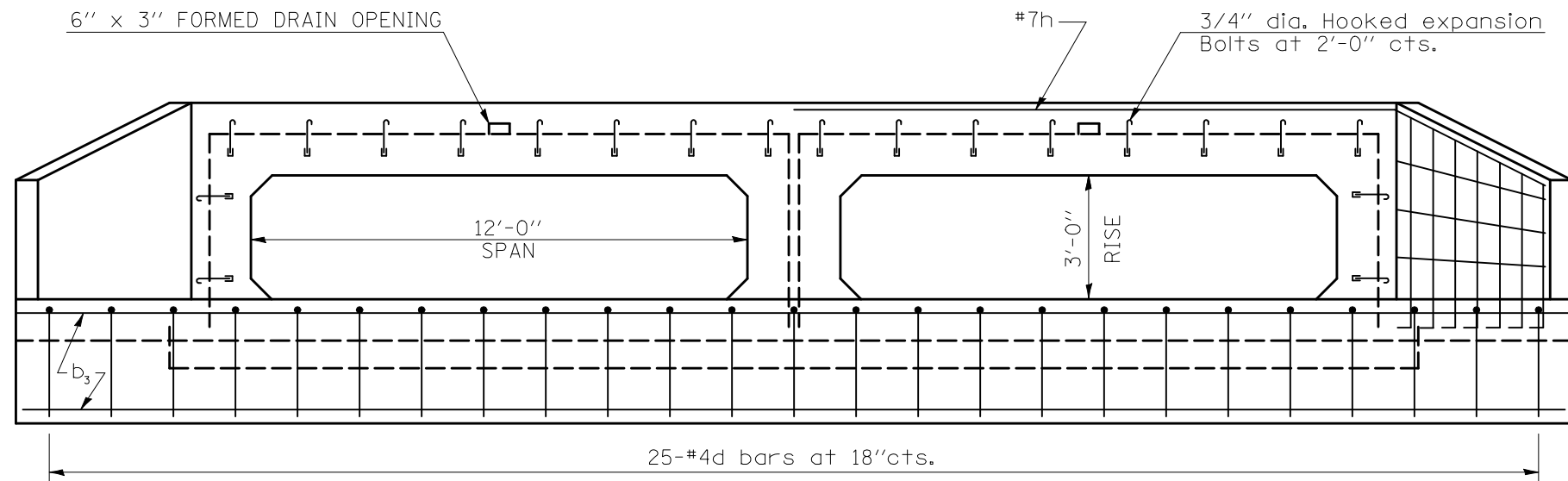
This work shall be paid for at the contract unit price per cubic yard for POROUS GRANULAR BACKFILL

- CLASS D PATCHES, TYPE IV, 8"
- POROUS GRANULAR BACKFILL
- BOX CULVERT BEDDING (CA-7 OR CA-11)
(INCLUDED IN PAY ITEM FOR PRECAST CONCRETE BOX CULVERT)

PROPOSED U.S.F.L. = 818.41
PROPOSED D.S.F.L. = 818.32

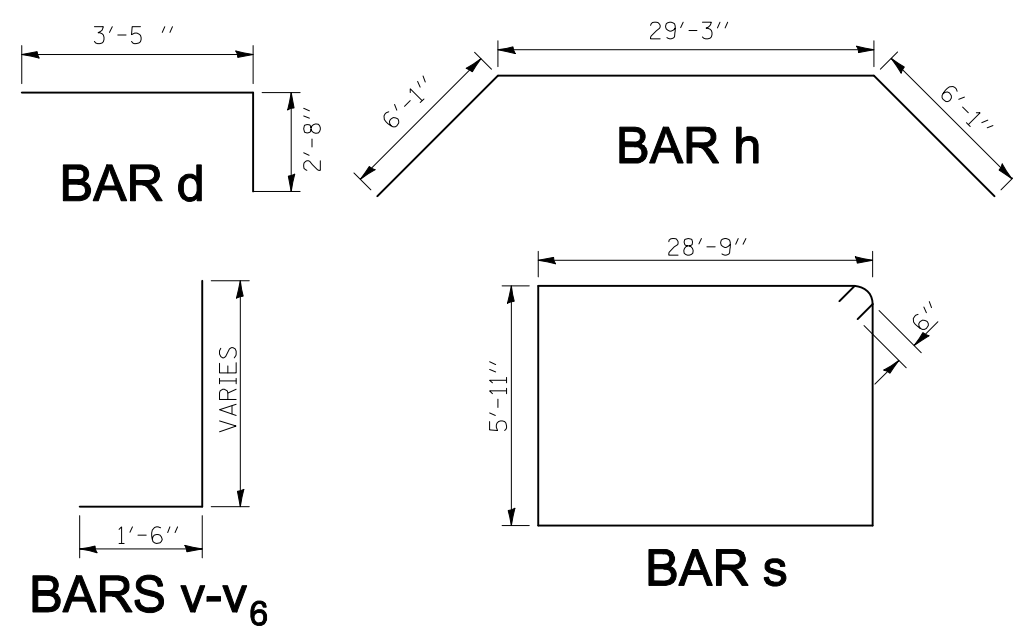
FILE NAME =	USER NAME = carrollrt	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAIL OF POROUS GRANULAR BACKFILL PROPOSED S.N. 057-8212 & S.N. 057-2045	F.A.P. RTE. =	SECTION =	COUNTY =	TOTAL SHEETS =	SHEET NO. =	
ct:\pw\work\PWIDOT\CARROLLRT\d0104712\70509Details.dgn		DRAWN -	REVISED -			693	(21,22)R,RS-1	MCLEAN	105	33	
PLOT SCALE = 40.0000 ' / IN.		CHECKED -	REVISED -			CONTRACT NO. 70509					
PLOT DATE = 4/3/2009		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

S.N. 057-2045 AT STA. 1962+55.00



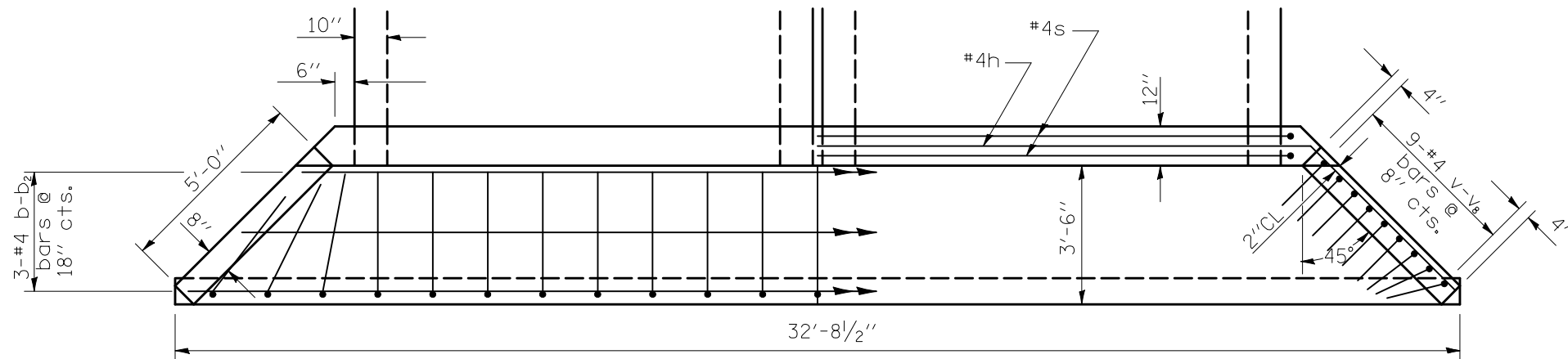
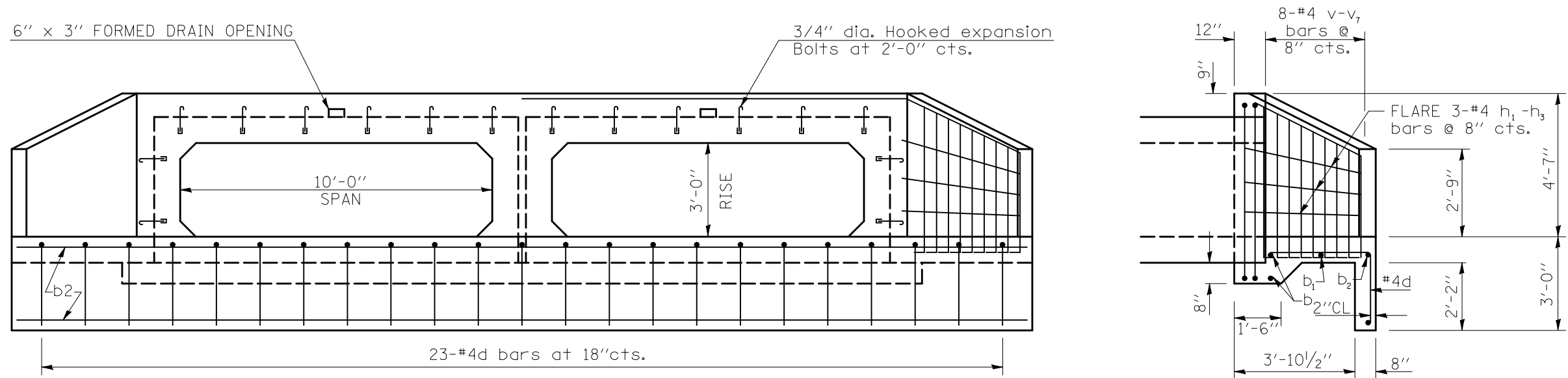
S.N. 057-2045 BILL OF MATERIALS			
BAR NO.	SIZE	BAR LENGTH	
b	2	4	31'-0"
b ₁	1	4	33'-0"
b ₂	1	4	35'-2"
b ₃	2	4	37'-7"
d	25	4	6'-1"
h	1	7	41'-5"
h ₁	2	7	5'-9"
h ₂	2	7	5'-9"
h ₃	2	7	5'-10"
s	2	7	70'-4"
v	2	7	6'-10"
v ₁	2	7	6'-6"
v ₂	2	7	6'-2"
v ₃	2	7	6'-0"
v ₄	2	7	5'-8"
v ₅	2	7	5'-5"
v ₆	2	7	5'-2"

NOTES:
 All bars should be rounded and shall conform to the requirements of Art. 1006.10 of Standard Specifications.
 Class SI Concrete shall be used throughout.
 The Precast Box Culvert Sections shall conform to the requirements of AASHTO M259.
 All dimensions are in FEET (')-INCHES (") unless otherwise noted.
 Concrete and Rebar quantities and lengths calculated for the cast-in-place End Sections will vary based on the precast box culverts supplied.
 End Sections will be paid for at the contract unit price each for BOX CULVERT END SECTION NO. 2, as outlined in Art. 540.08, which prices shall include all concrete, rebar, and all other items necessary to complete the proposed work.
 Drain holes shall be provided in accordance with Art. 503.12.
 Drawings not to scale.



ESTIMATED QUANTITIES - ONE SIDE	
REINFORCEMENT BARS (LBS)	853.0
CLASS SI CONCRETE (CU YDS)	9.7
EXPANSION BOLT 3/4" dia. (EACH)	20.0
BOX CULVERT END SECTIONS = 1 EACH	

S.N. 057-2046 AT STA. 1955+65.00



S.N. 057-2046			
BILL OF MATERIALS			
BAR	NO.	SIZE	BAR LENGTH
b	2	4	26'-3"
b ₁	1	4	29'-5"
b ₂	2	4	32'-0"
d	23	4	5'-10"
h	1	4	35'-11"
h ₁	2	4	5'-8"
h ₂	2	4	5'-7"
h ₃	2	4	5'-7"
s	2	4	60'-8"
v	2	4	6'-5"
v ₁	2	4	6'-3"
v ₂	2	4	6'-1"
v ₃	2	4	5'-11"
v ₄	2	4	5'-8"
v ₅	2	4	5'-6"
v ₆	2	4	5'-4"
v ₇	2	4	5'-1"
v ₈	2	4	4'-11"

ESTIMATED QUANTITIES - ONE SIDE	
REINFORCEMENT BARS (LBS)	384.0
CLASS SI CONCRETE (CU YDS)	8.1
EXPANSION BOLT 3/4" dia. (EACH)	16.0
BOX CULVERT END SECTIONS = 1 EACH	

NOTES:

All bars should be rounded and shall conform to the requirements of Art. 1006.10 of Standard Specifications.

Class SI Concrete shall be used throughout.

The Precast Box Culvert Sections shall conform to the requirements of AASHTO M259.

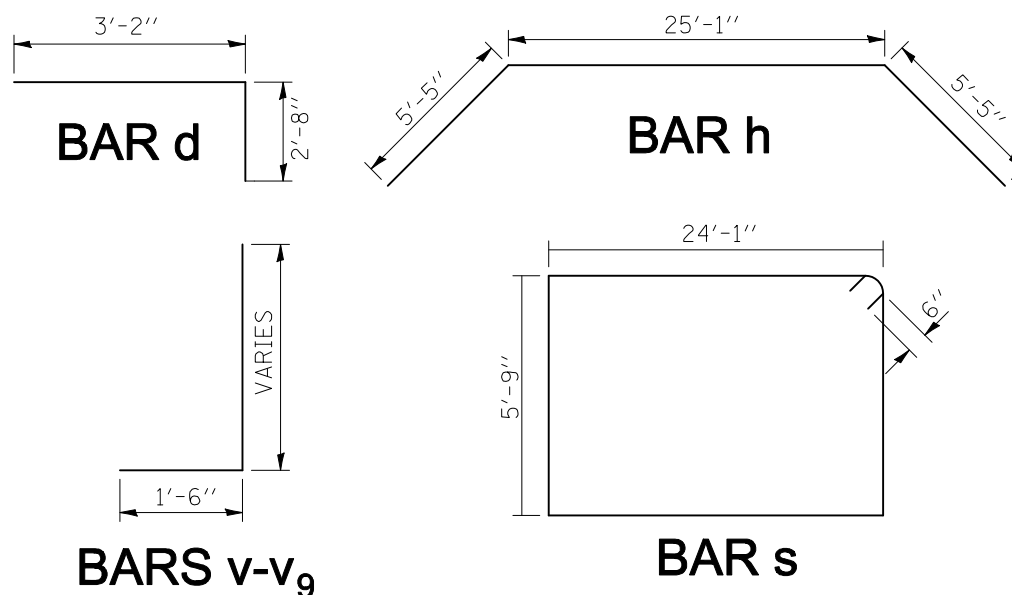
All dimensions are in FEET (')-INCHES (") unless otherwise noted.

Concrete and Rebar quantities and lengths calculated for the cast-in-place End Sections will vary based on the precast box culverts supplied.

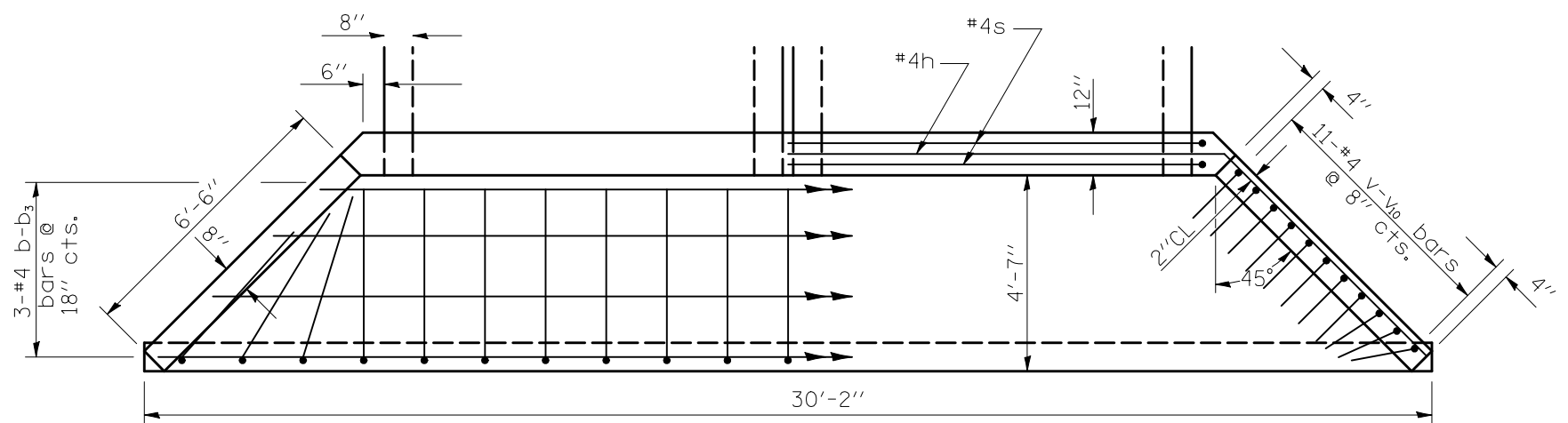
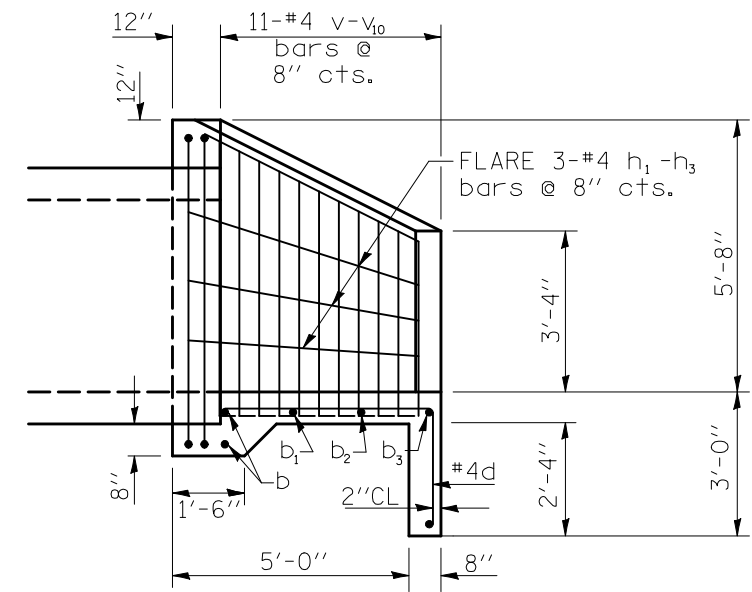
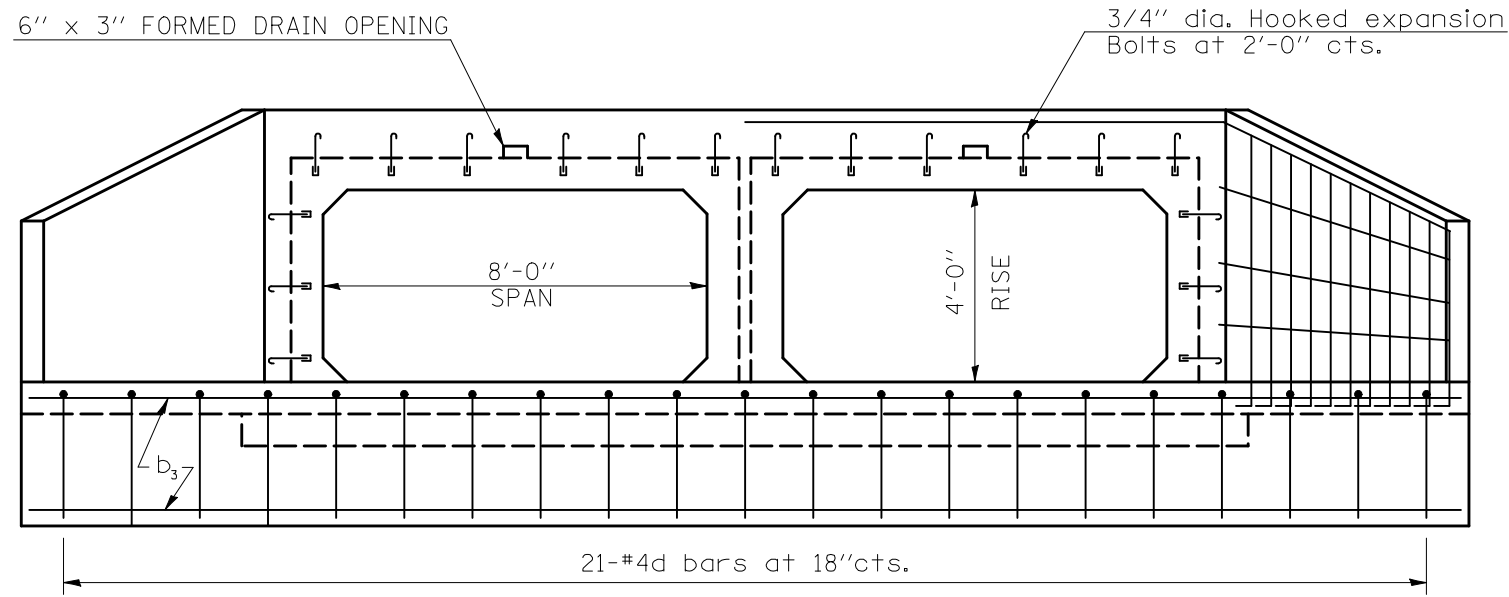
End Sections will be paid for at the contract unit price each for BOX CULVERT END SECTION NO. 3, as outlined in Art. 540.08, which prices shall include all concrete, rebar, and all other items necessary to complete the proposed work.

Drain holes shall be provided in accordance with Art. 503.12.

Drawings not to scale.



S.N. 057-8213 AT STA. 1741+62.00



SN 057-8213			
BILL OF MATERIALS			
BAR	NO.	SIZE	BAR LENGTH
b	2	4	22'-0"
b ₁	1	4	24'-0"
b ₂	1	4	27'-0"
b ₃	2	4	29'-6"
d	21	4	6'-11"
h	1	4	33'-9"
h ₁	2	4	7'-3"
h ₂	2	4	7'-1"
h ₃	2	4	7'-1"
s	2	4	53'-10"
v	2	4	7'-5"
v ₁	2	4	7'-2"
v ₂	2	4	7'-0"
v ₃	2	4	6'-10"
v ₄	2	4	6'-6"
v ₅	2	4	6'-4"
v ₆	2	4	6'-1"
v ₇	2	4	5'-11"
v ₈	2	4	5'-8"
v ₉	2	4	5'-6"
v ₁₀	2	4	5'-4"

NOTES:

All bars should be rounded and shall conform to the requirements of Art. 1006.10 of Standard Specifications.

Class SI Concrete shall be used throughout.

The Precast Box Culvert Sections shall conform to the requirements of AASHTO M259.

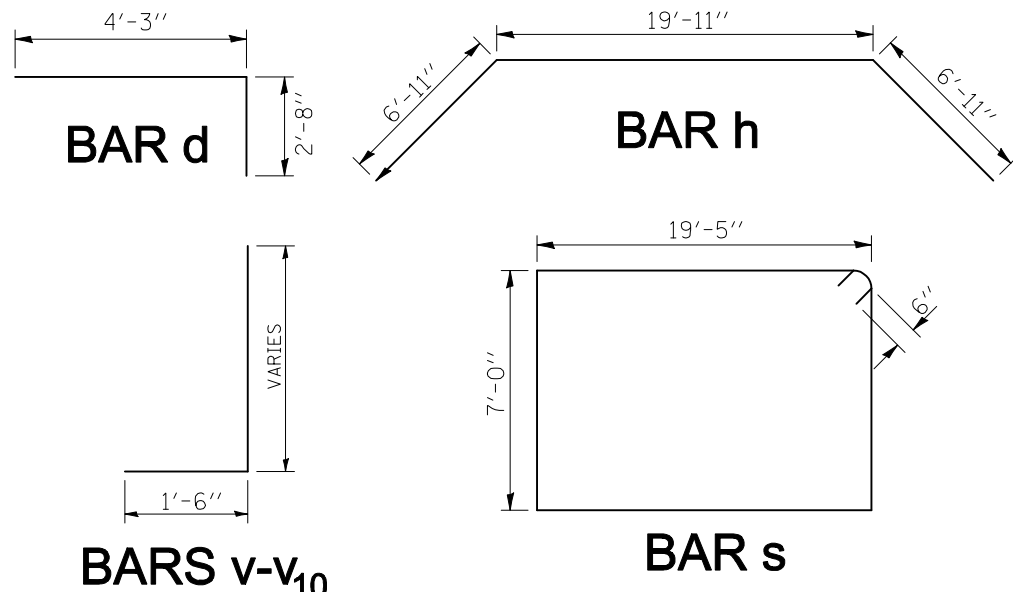
All dimensions are in FEET (')-INCHES (") unless otherwise noted.

Concrete and Rebar quantities and lengths calculated for the cast-in-place End Sections will vary based on the precast box culverts supplied.

End Sections will be paid for at the contract unit price each for BOX CULVERT END SECTION NO. 4, as outlined in Art. 540.08, which prices shall include all concrete, rebar, and all other items necessary to complete the proposed work.

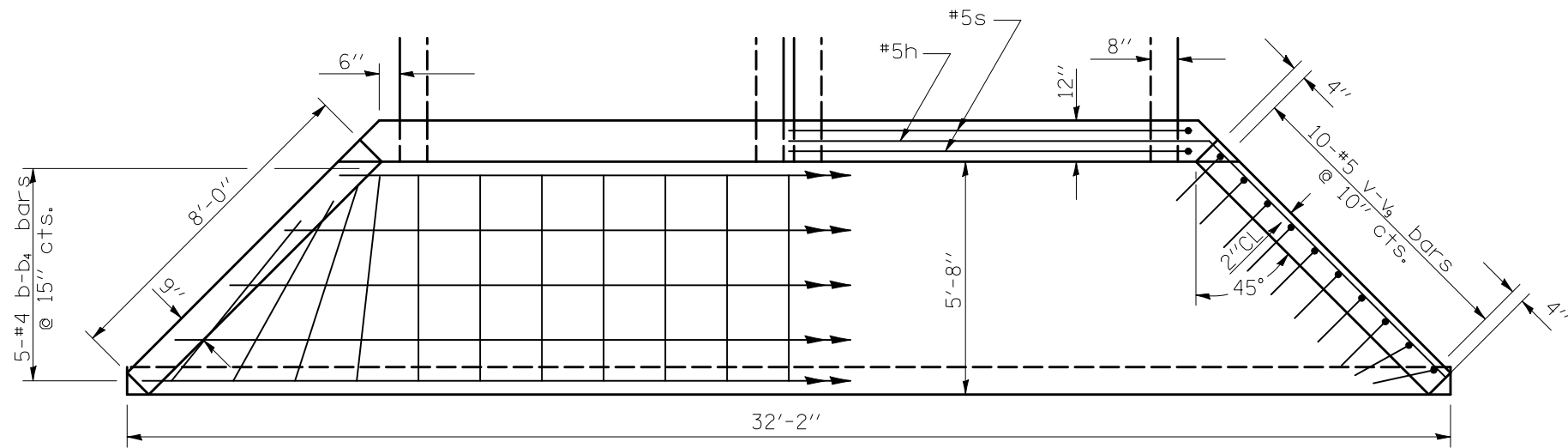
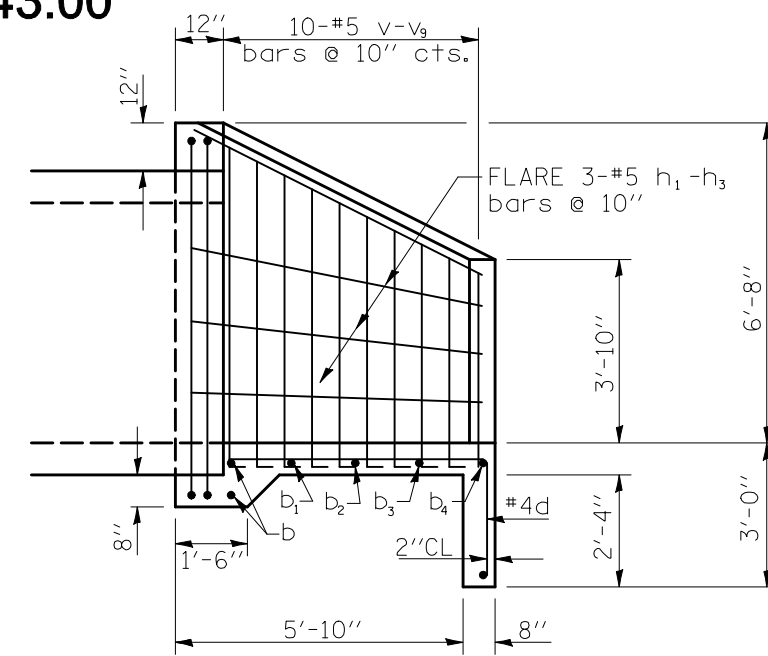
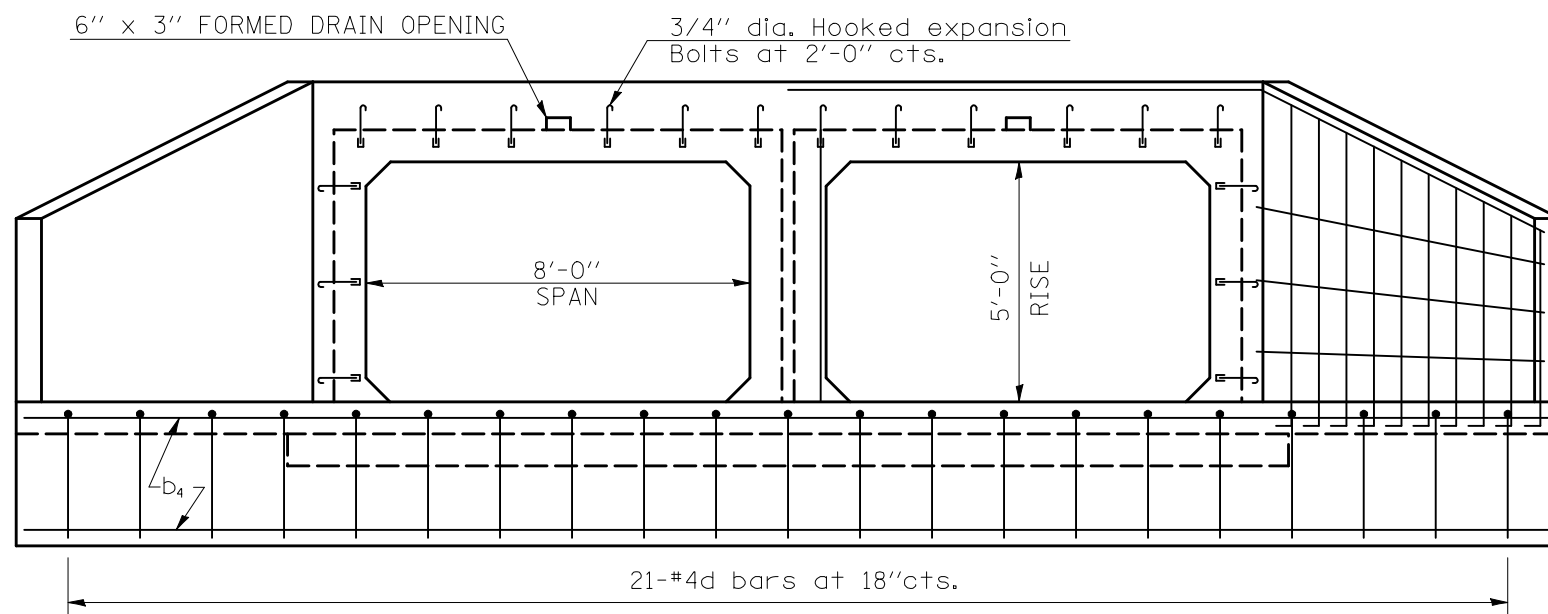
Drain holes shall be provided in accordance with Art. 503.12.

Drawings not to scale.



ESTIMATED QUANTITIES - ONE SIDE	
REINFORCEMENT BARS (LBS)	417.0
CLASS SI CONCRETE (CU YDS)	8.2
EXPANSION BOLT 3/4" dia. (EACH)	18.0
BOX CULVERT END SECTIONS = 1 EACH	

S.N. 057-8212 AT STA. 1981+21.00
S.N. 057-8214 AT STA. 1676+43.00



NOTES:

All bars should be rounded and shall conform to the requirements of Art. 1006.10 of Standard Specifications.

Class SI Concrete shall be used throughout.

The Precast Box Culvert Sections shall conform to the requirements of AASHTO M259.

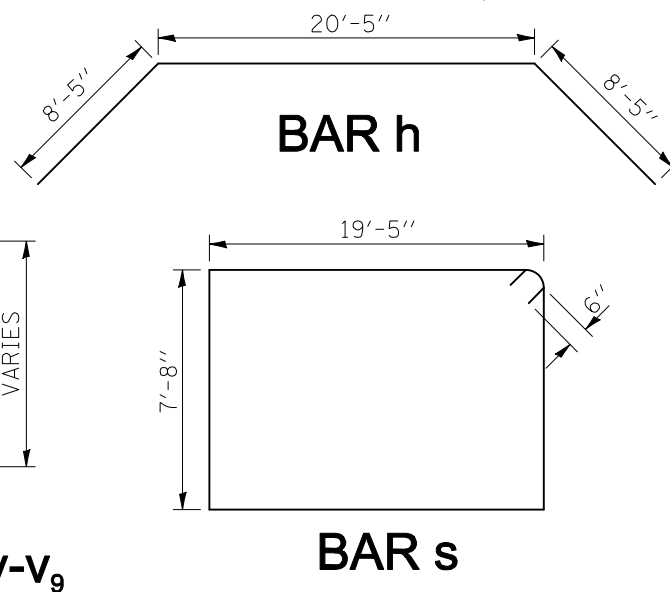
All dimensions are in FEET (')-INCHES (") unless otherwise noted.

Concrete and Rebar quantities and lengths calculated for the cast-in-place End Sections will vary based on the precast box culverts supplied.

End Sections will be paid for at the contract unit price each for BOX CULVERT END SECTION NO. 1 or BOX CULVERT END SECTION NO. 5 as outlined in Art. 540.08, which prices shall include all concrete, rebar, and all other items necessary to complete the proposed work.

Drain holes shall be provided in accordance with Art. 503.12.

Drawings not to scale.



SN 057-8214			
SN 057-8212 & 057-8214			
BAR	NO.	SIZE	BAR LENGTH
b	2	4	21'-10"
b ₁	1	4	24'-6"
b ₂	1	4	27'-0"
b ₃	1	4	30'-0"
b ₄	2	4	31'-5"
d	21	4	8'-0"
h	1	5	37'-3"
h ₁	2	5	7'-12"
h ₂	2	5	7'-11"
h ₃	2	5	7'-10"
s	2	5	55'-2"
v	2	5	8'-5"
v ₁	2	5	8'-1"
v ₂	2	5	7'-10"
v ₃	2	5	7'-6"
v ₄	2	5	7'-2"
v ₅	2	5	6'-11"
v ₆	2	5	6'-7"
v ₇	2	5	6'-4"
v ₈	2	5	6'-0"
v ₉	2	5	5'-10"

ESTIMATED QUANTITIES - ONE SIDE	
REINFORCEMENT BARS (LBS)	589.0
CLASS SI CONCRETE (CU YDS)	9.6
EXPANSION BOLT 3/4" dia. (EACH)	18.0
BOX CULVERT END SECTIONS = 1 EACH	

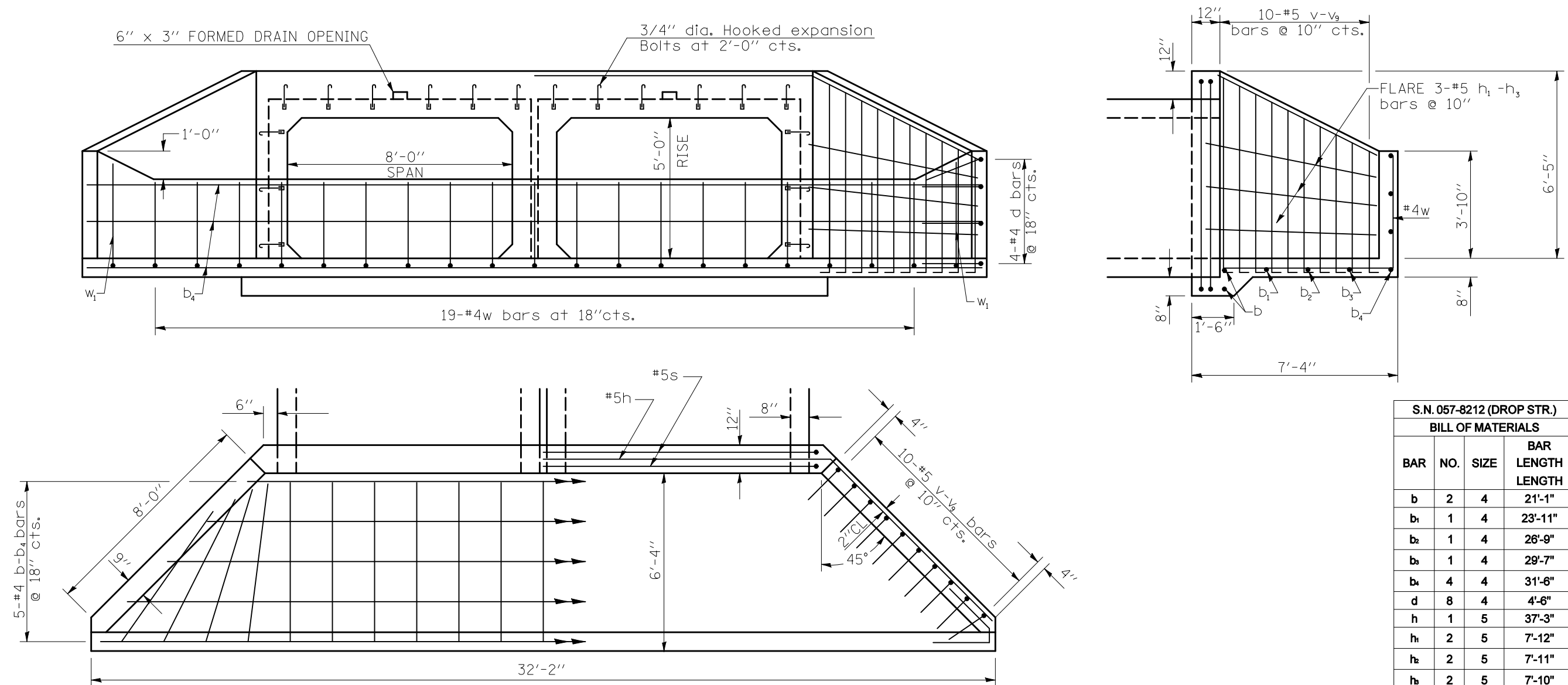
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PLOT SCALE = 4.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 4/3/2009		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

END SECTION DETAIL
PROPOSED S.N. 057-8212 & S.N. 057-8214

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	37
CONTRACT NO. 70509				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

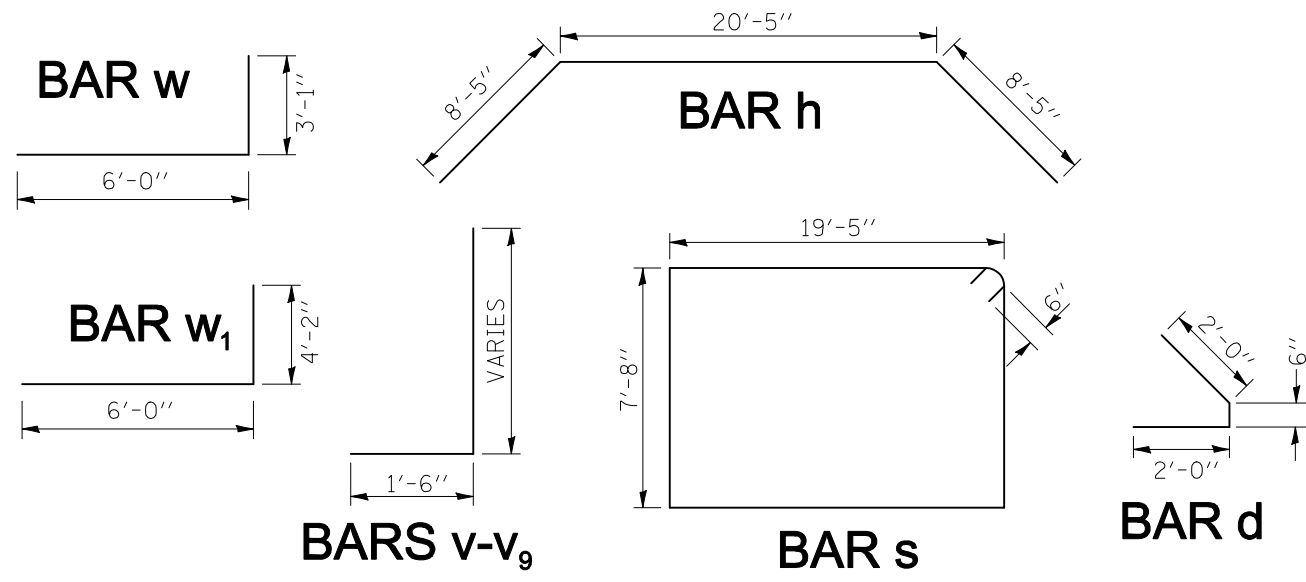
S.N. 057-8212 AT STA. 1981+21.00



S.N. 057-8212 (DROP STR.)			
BILL OF MATERIALS			
BAR	NO.	SIZE	BAR LENGTH
b	2	4	21'-1"
b ₁	1	4	23'-11"
b ₂	1	4	26'-9"
b ₃	1	4	29'-7"
b ₄	4	4	31'-6"
d	8	4	4'-6"
h	1	5	37'-3"
h ₁	2	5	7'-12"
h ₂	2	5	7'-11"
h ₃	2	5	7'-10"
s	2	5	55'-2"
v	2	5	8'-5"
v ₁	2	5	8'-1"
v ₂	2	5	7'-10"
v ₃	2	5	7'-6"
v ₄	2	4	7'-2"
v ₅	2	5	6'-11"
v ₆	2	5	6'-7"
v ₇	2	5	6'-4"
v ₈	2	5	6'-0"
v ₉	2	5	5'-10"
w	19	4	9'-2"
w ₁	2	4	10'-2"

ESTIMATED QUANTITIES - ONE SIDE	
REINFORCEMENT BARS (LBS)	671.0
CLASS SI CONCRETE (CU YDS)	11.7
EXPANSION BOLT 3/4" dia. (EACH)	18.0
BOX CULVERT DROP STRUCTURE = 1 EACH	

NOTES:
 All bars should be rounded and shall conform to the requirements of Art. 1006.10 of Standard Specifications.
 Class SI Concrete shall be used throughout.
 The Precast Box Culvert Sections shall conform to the requirements of AASHTO M259.
 All dimensions are in FEET (')-INCHES (") unless otherwise noted.
 Concrete and Rebar quantities and lengths calculated for the cast-in-place End Sections will vary based on the precast box culverts supplied.
 End Sections will be paid for at the contract unit price each for DROP STRUCTURE NUMBER 1, as outlined in Art. 540.08, which prices shall include all concrete, rebar, and all other items necessary to complete the proposed work.
 Drain holes shall be provided in accordance with Art. 503.12.
 Drawings not to scale.



FILE NAME =	USER NAME = carrollrt	DESIGNED -	REVISED -
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PLOT SCALE = 4.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 4/3/2009		DATE -	REVISED -

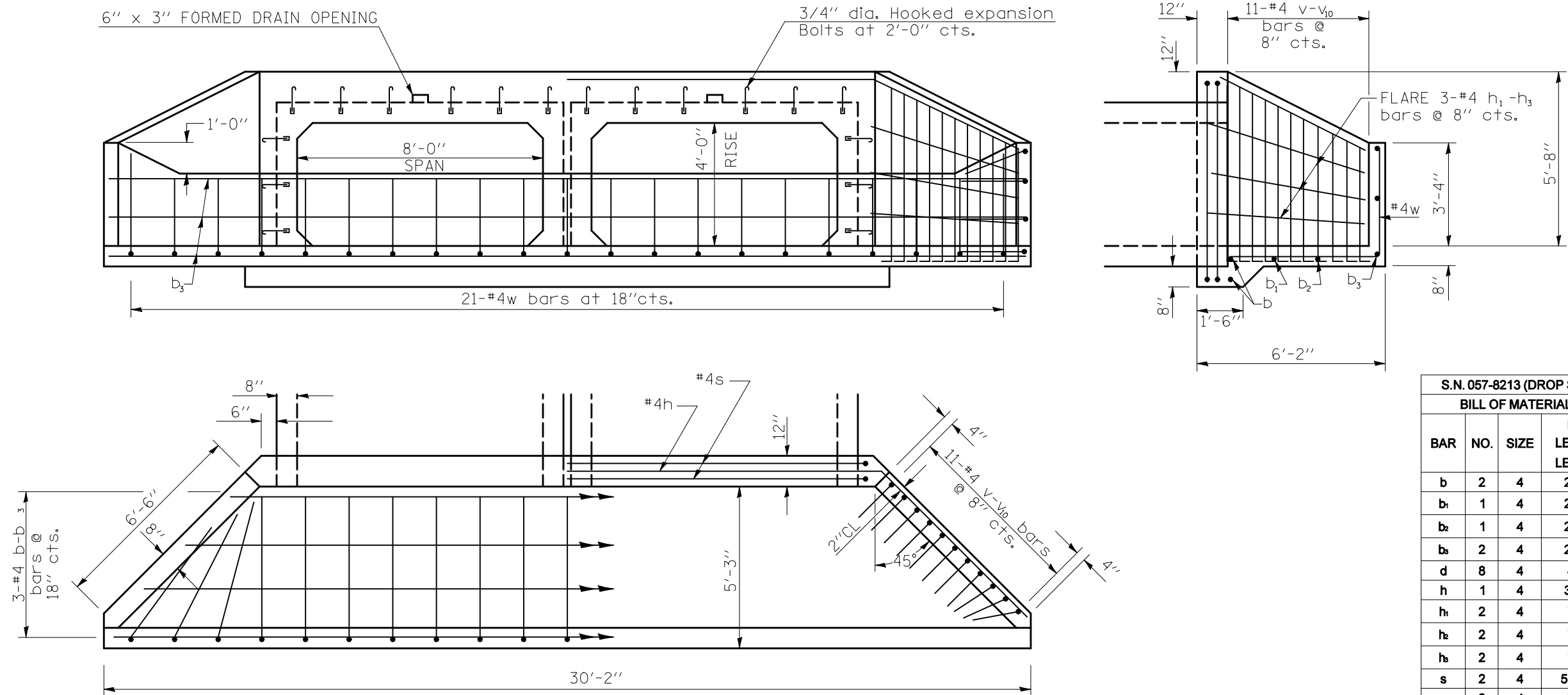
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DROP STRUCTURE DETAIL
S.N. 057-8212**

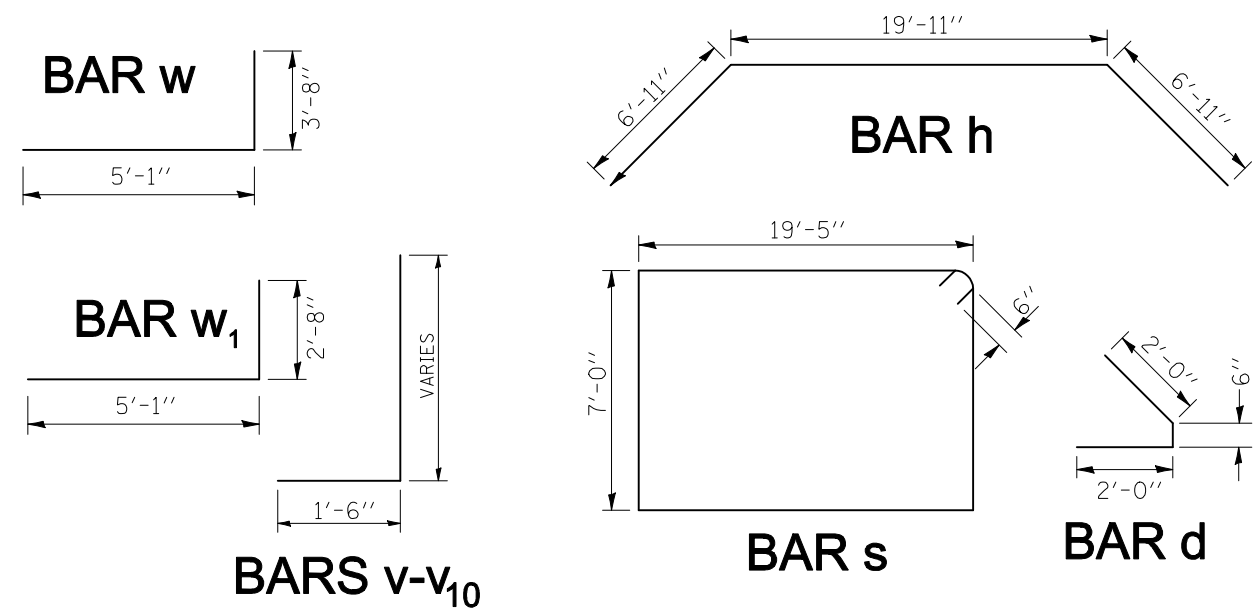
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	38
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70509	

S.N. 057-8213 AT STA. 1741+62.00



NOTES:
 All bars should be rounded and shall conform to the requirements of Art. 1006.10 of Standard Specifications.
 Class SI Concrete shall be used throughout.
 The Precast Box Culvert Sections shall conform to the requirements of AASHTO M259.
 All dimensions are in FEET (')-INCHES (") unless otherwise noted.
 Concrete and Rebar quantities and lengths calculated for the cast-in-place End Sections will vary based on the precast box culverts supplied.
 End Sections will be paid for at the contract unit price each for DROP STRUCTURE NUMBER 2, as outlined in Art. 540.08, which prices shall include all concrete, rebar, and all other items necessary to complete the proposed work.
 Drain holes shall be provided in accordance with Art. 503.12.
 Drawings not to scale.

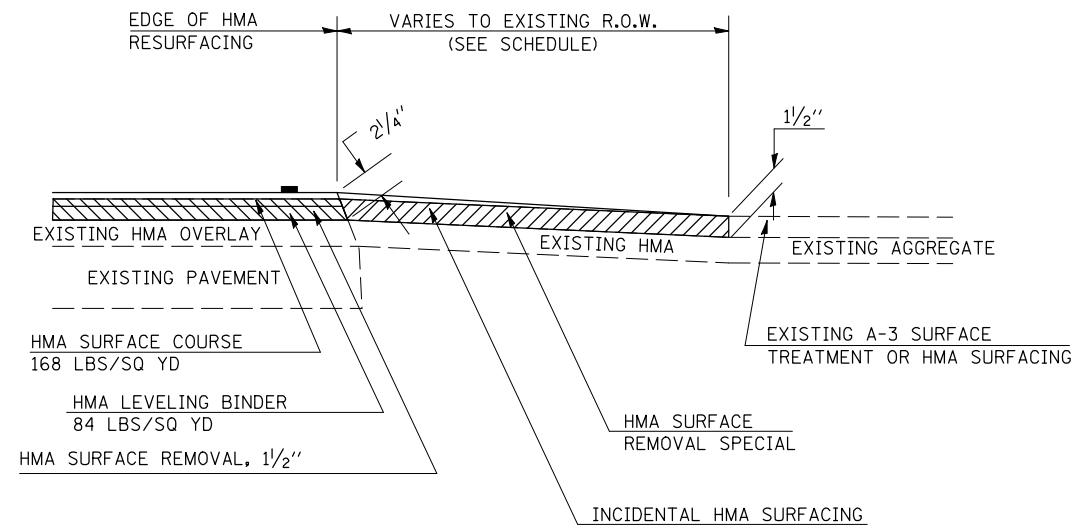


S.N. 057-8213 (DROP STR.)			
BILL OF MATERIALS			
BAR	NO.	SIZE	BAR LENGTH
b	2	4	22'-0"
b ₁	1	4	24'-0"
b ₂	1	4	27'-0"
b ₃	2	4	29'-6"
d	8	4	4'-6"
h	1	4	33'-9"
h ₁	2	4	7'-3"
h ₂	2	4	7'-1"
h ₃	2	4	7'-1"
s	2	4	53'-10"
v	2	4	7'-5"
v ₁	2	4	7'-2"
v ₂	2	4	7'-0"
v ₃	2	4	6'-10"
v ₄	2	4	6'-6"
v ₅	2	4	6'-4"
v ₆	2	4	6'-1"
v ₇	2	4	5'-11"
v ₈	2	4	5'-8"
v ₉	2	4	5'-6"
v ₁₀	2	4	5'-4"
w	19	4	8'-9"
w ₁	2	4	7'-9"

ESTIMATED QUANTITIES - ONE SIDE	
REINFORCEMENT BARS (LBS)	465.0
CLASS SI CONCRETE (CU YDS)	10.9
EXPANSION BOLT 3/4" dia. (EACH)	18.0
BOX CULVERT DROP STRUCTURE = 1 EACH	

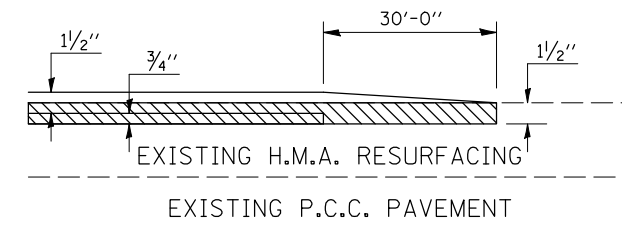
DETAIL OF INCIDENTAL RESURFACING

AT SIDE ROADS



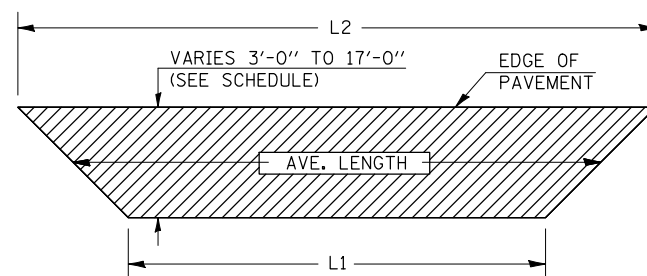
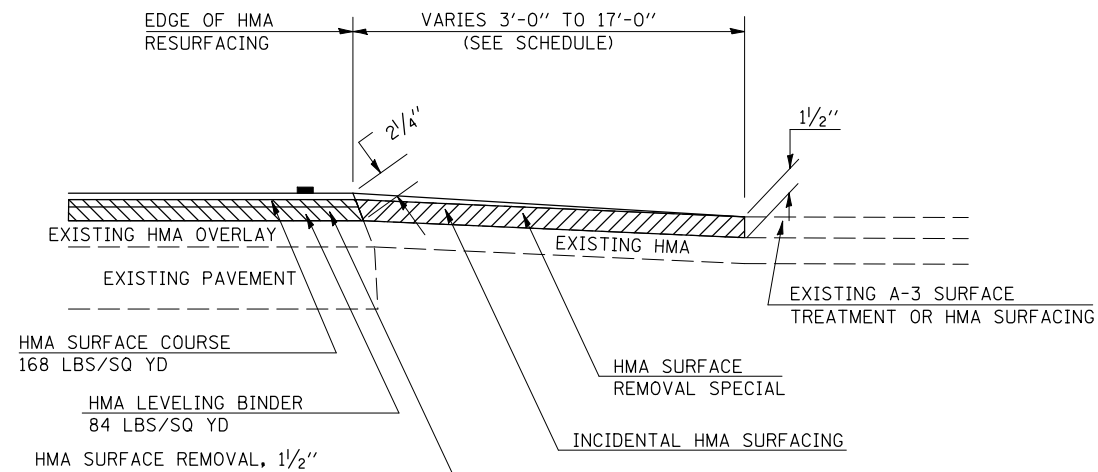
RESURFACING TAPER DETAIL

BEGIN OF PROJECT - STA. 437+70.00
 END OF PROJECT - STA. 1565+44.00
 S.N. 057-0076 - STA. 1914+50.00 & 1919+60.00
 S.N. 057-0077 - STA. 1646+98.35 & 1647+24.84
 S.N. 057-0139 - STA. 1608+90.10 & 1609+09.64



DETAIL OF INCIDENTAL RESURFACING

AT ENTRANCES



FILE NAME =	USER NAME = carrollrt	DESIGNED -	REVISED -
ct:\pw\work\p\dot\carrollrt\ad0104712\70509\Details.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

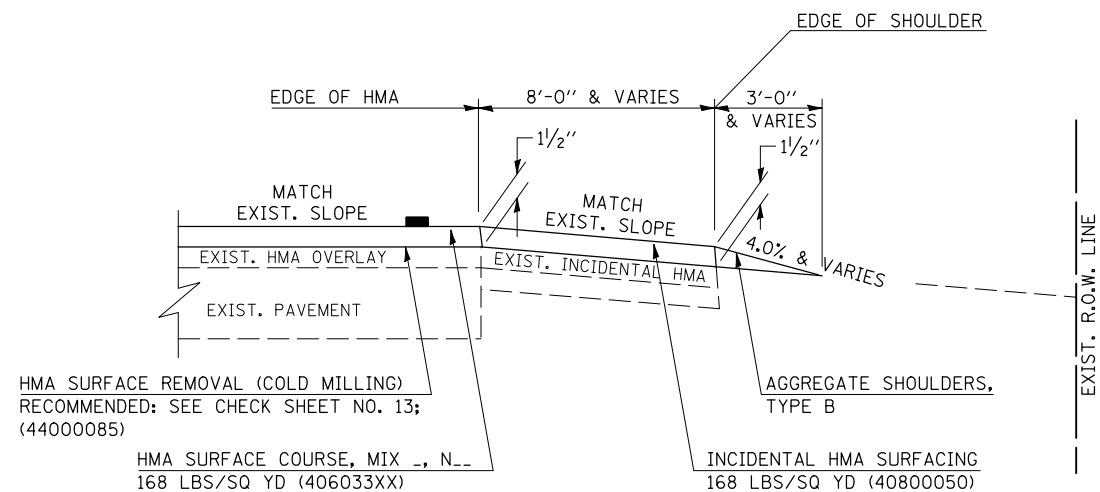
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SCALE: SHEET NO. OF SHEETS STA. TO STA.

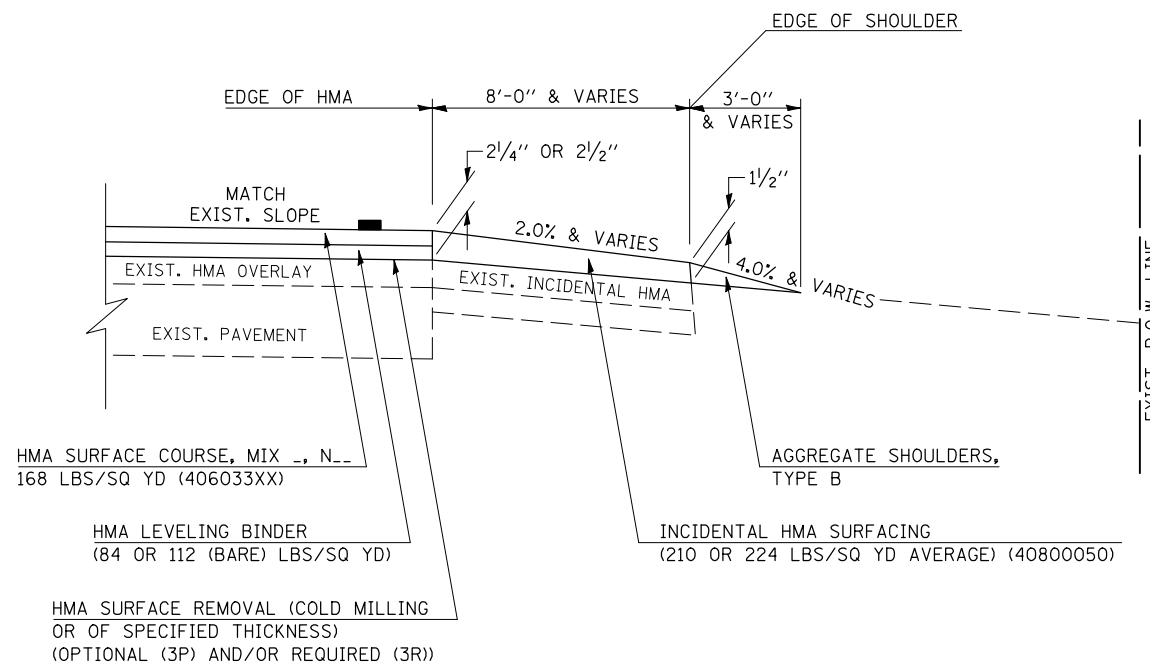
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	40
CONTRACT NO. 70509				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PROJECTS WITHOUT RECONSTRUCTION

S.M.A.R.T. IMPROVEMENTS
(POLICY RESURFACING; BDE 53-4.03; 1 1/2")



"3P" OR "3R" IMPROVEMENTS
(POLICY RESURFACING; BDE 53-4.02; 2 1/4" OR 2 1/2" ON BARE CONCRETE)

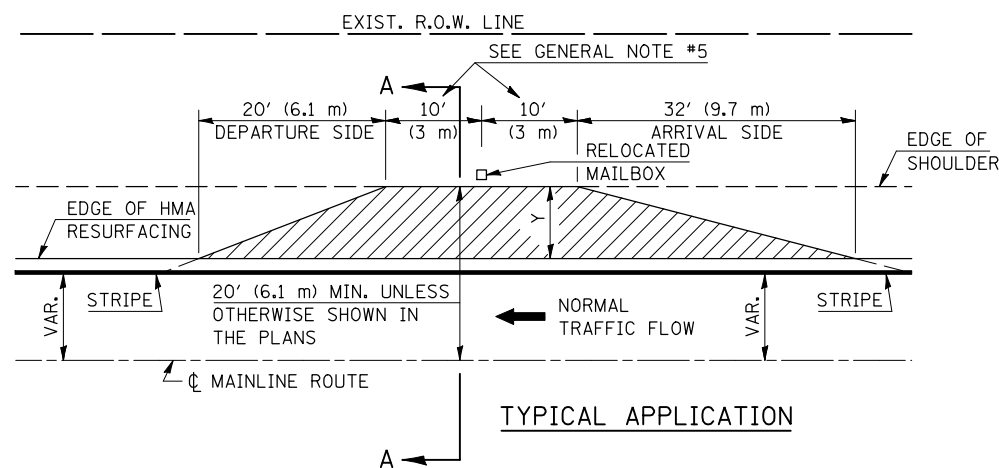


GENERAL NOTES

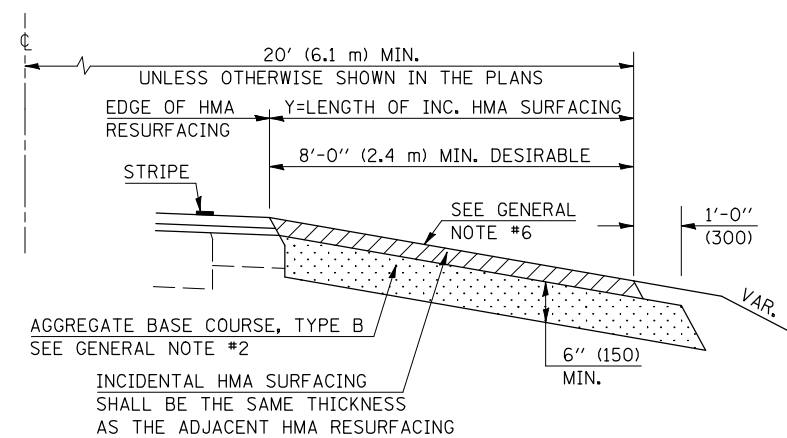
1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. AGGREGATE BASE COURSE, TYPE B, 6" (150) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED MAILBOX TURNOUTS. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ALL EXISTING MAILBOX TURNOUTS OR TO CONSTRUCT NEW MAILBOX TURNOUTS WHERE NONE NOW EXISTS.
3. ANY NECESSARY WORK BEHIND THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
4. THE TEMPORARY RELOCATION OF EXISTING MAILBOXES SHALL BE IN ACCORDANCE WITH ARTICLE 107.20 OF THE STANDARD SPECIFICATIONS.
5. WHEN MORE THAN ONE RELOCATED MAILBOX IS INCLUDED IN A PARTICULAR LOCATION THE TWO 10' (3 m) DIMENSIONS AS SHOWN ABOVE SHALL BE FROM THE END MAILBOX.
6. CROSS SLOPE SHALL BE AS SHOWN ON THE STATION CROSS SECTIONS AND/OR AS DIRECTED BY THE ENGINEER. MINIMUM 4% (1/2"/') DESIRABLE; MAXIMUM 8% (1"/').
7. WHEN MAILBOX TURNOUTS ARE CONSTRUCTED ADJACENT TO FIELD ENTRANCES, THE WIDTH OF THE INCIDENTAL HMA SURFACING CONSTRUCTED FOR THE FIELD ENTRANCE SHALL MATCH THE WIDTH OF THE PROPOSED MAILBOX TURNOUT SURFACING.
8. THE TOTAL SHOULDER WIDTH, 2.4 m (8') MINIMUM, SHALL BE PAVED BETWEEN SIDEROADS ENTRANCES AND/OR MAILBOX TURNOUTS AT LOCATIONS WHERE THE DISTANCE BETWEEN RADIUS OR TAPER CONTROL POINTS IS LESS THAN 15.0 m (50').
9. MAILBOXES SHALL BE MOUNTED SUCH THAT THE FACE OF THE MAILBOX IS 6" (150 mm) TO 12" (300 mm) AND THE POST A MINIMUM OF 24" (600 mm) FROM THE EDGE OF THE TURNOUT SURFACING.

PROJECTS WITH RECONSTRUCTION

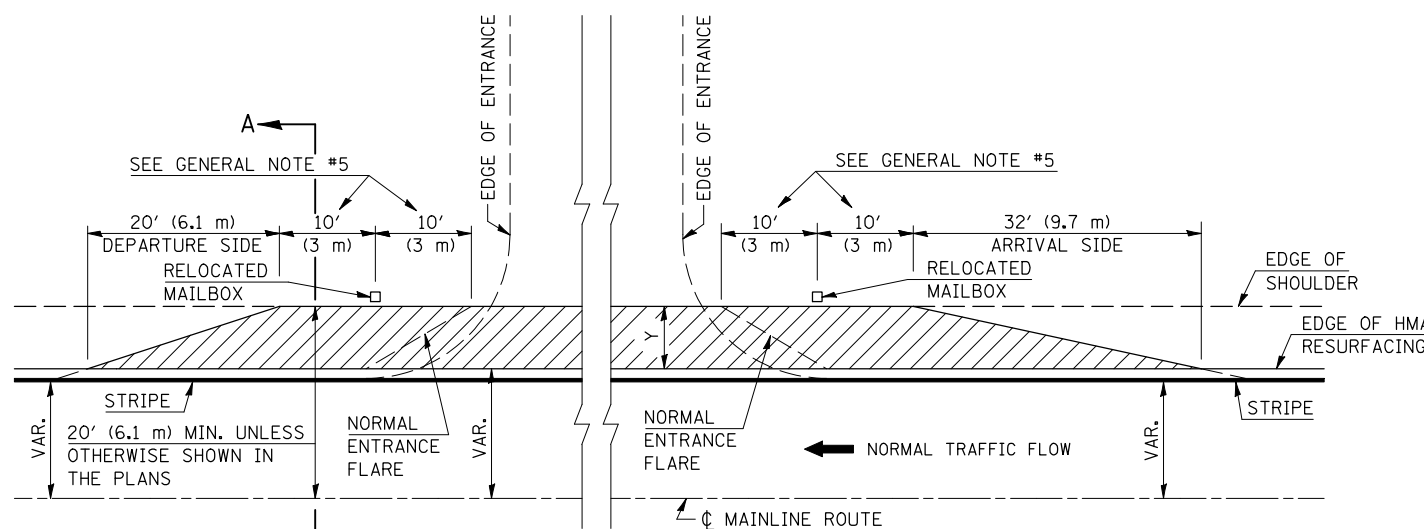
("3R" IMPROVEMENTS)



WIDTH OF SHOULDER	4'-0" - 8'-0" (1.2 m - 2.4 m)	10'-0" (3.0 m)
WIDTH OF TURNOUT "Y"	8'-0" (2.4 m)	8'-0" - 10'-0" (2.4 m - 3.0 m)



SECTION A-A



TYPICAL MAILBOX TURNOUT PLACEMENT
ADJACENT TO ENTRANCE

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

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	PLOT DATE = 4/3/2009	DATE -	REVISED -

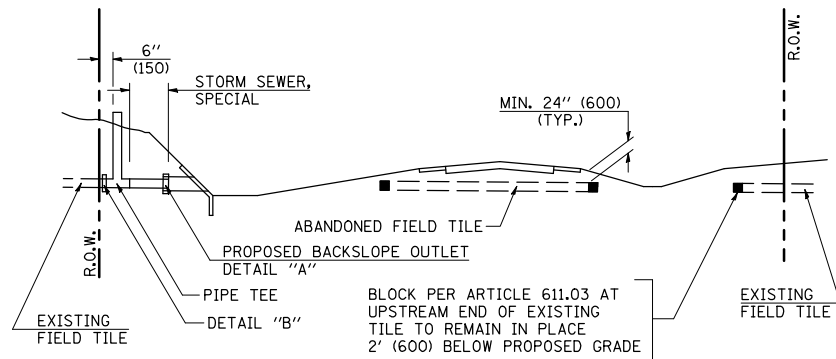
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MAILBOX TURNOUT (RURAL)

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

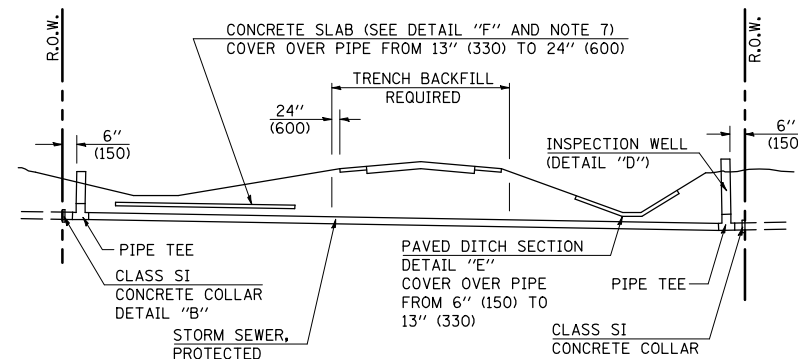
DISTRICT 5 DETAIL NO. 4080050B

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 70509				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



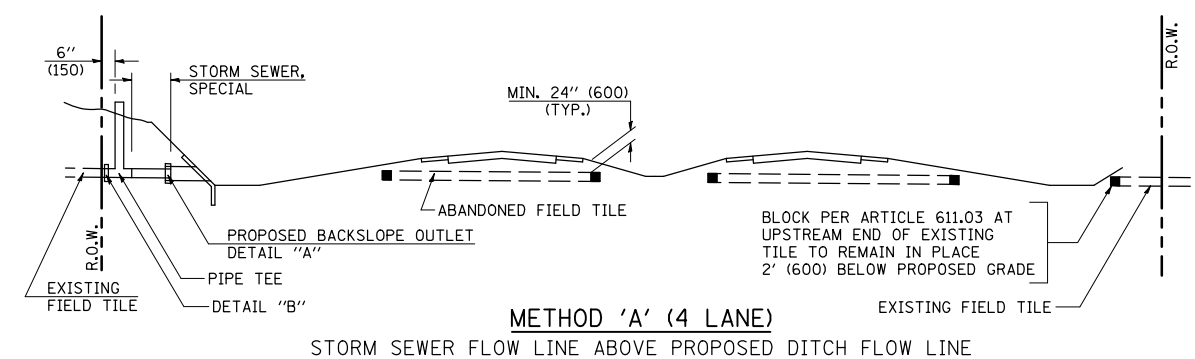
METHOD 'A' (2 LANE)

STORM SEWER FLOW LINE ABOVE PROPOSED DITCH FLOW LINE



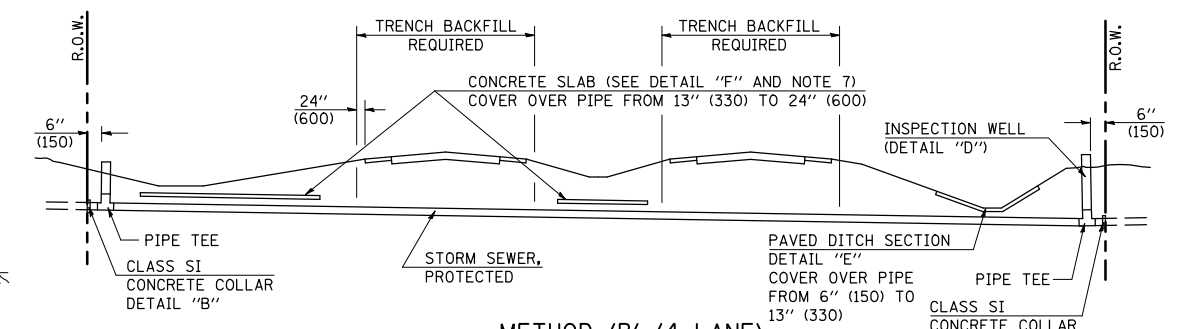
METHOD 'B' (2 LANE)

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



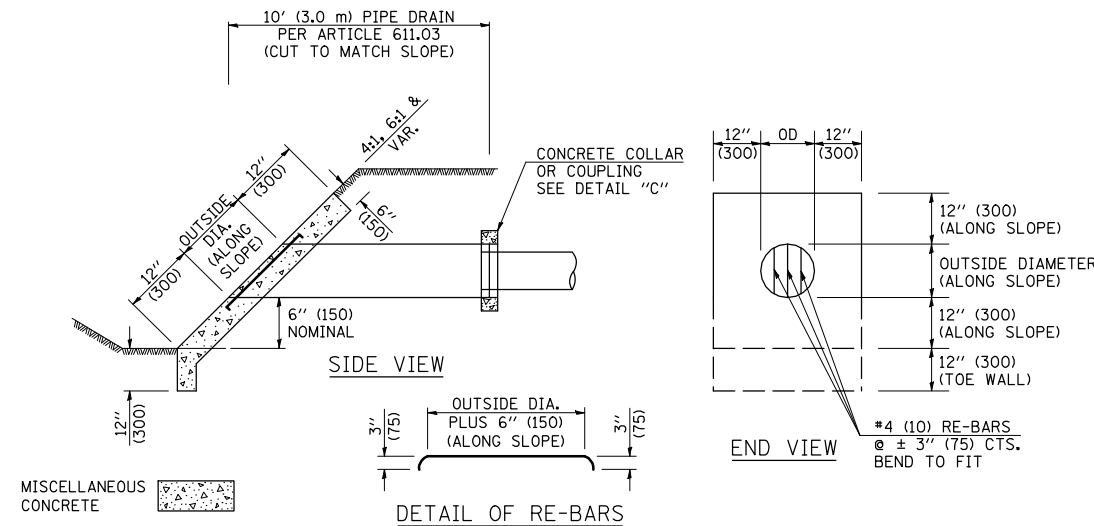
METHOD 'A' (4 LANE)

STORM SEWER FLOW LINE ABOVE PROPOSED DITCH FLOW LINE

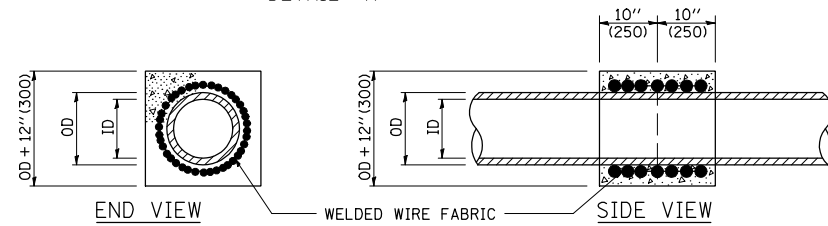


METHOD 'B' (4 LANE)

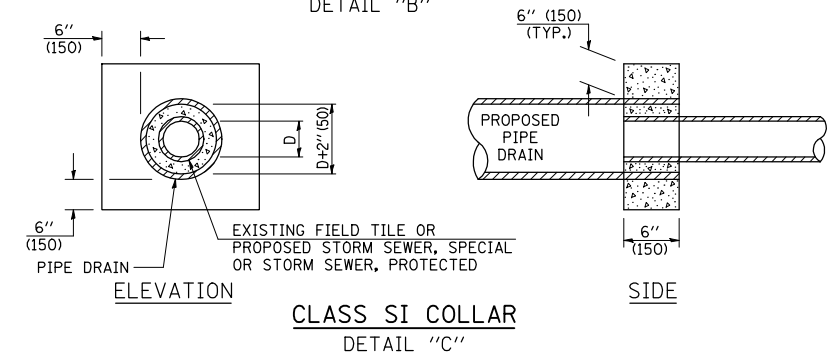
STORM SEWER LESS THAN 2' (600 mm) BELOW DITCH FLOW LINE AND STORM SEWERS CROSSING UNDER PAVEMENTS AND PAVED DITCHES



HEADWALL FOR BACKSLOPE OUTLET
DETAIL "A"



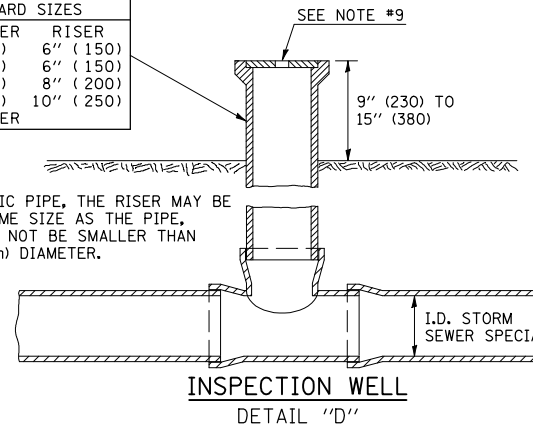
CONCRETE COLLAR
DETAIL "B"



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)	10" (250)
OR GREATER	

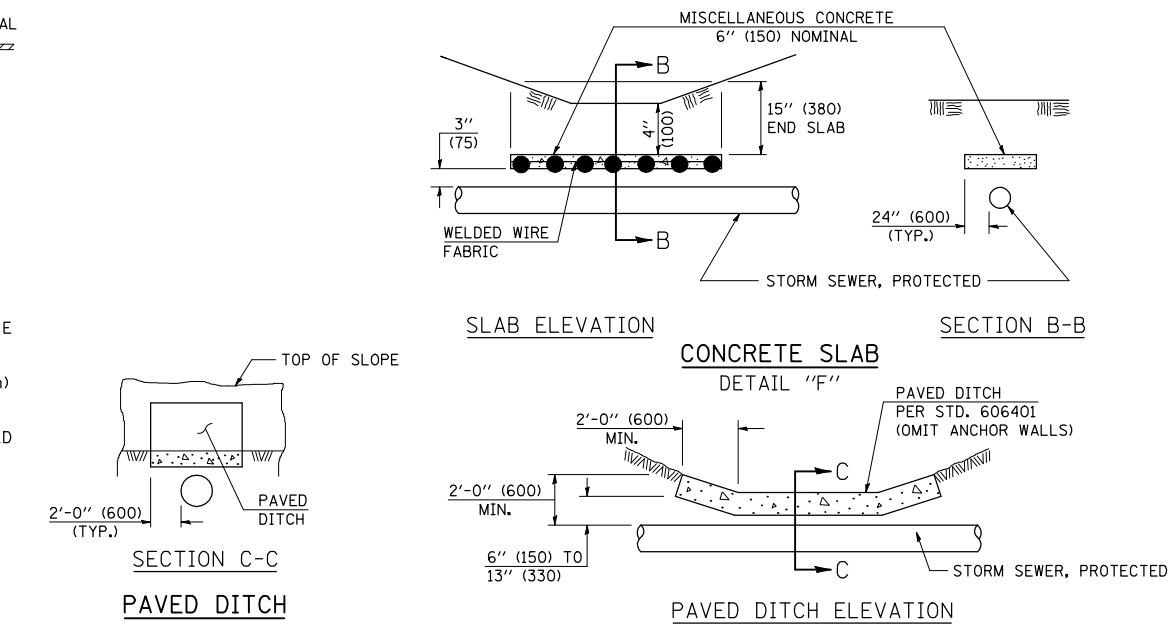
FOR PLASTIC PIPE, THE RISER MAY BE OF THE SAME SIZE AS THE PIPE, BUT SHALL NOT BE SMALLER THAN 4" (100 mm) DIAMETER.



INSPECTION WELL
DETAIL "D"

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.



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

DISTRICT 5 DETAIL NO. 61101011A

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		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIELD TILE SYSTEMS (TREATMENT OF EXISTING)

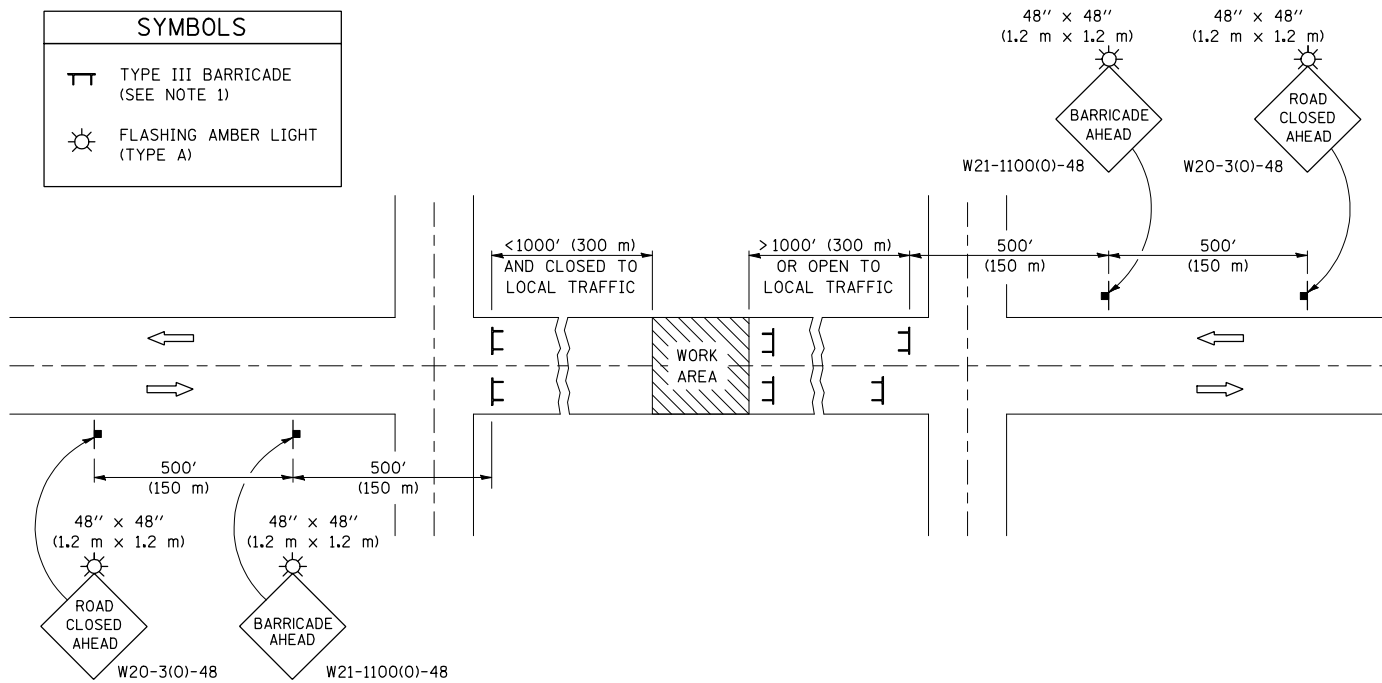
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	42
CONTRACT NO. 70509				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

ROAD CLOSURE

SIDEROAD / STREET CLOSURE

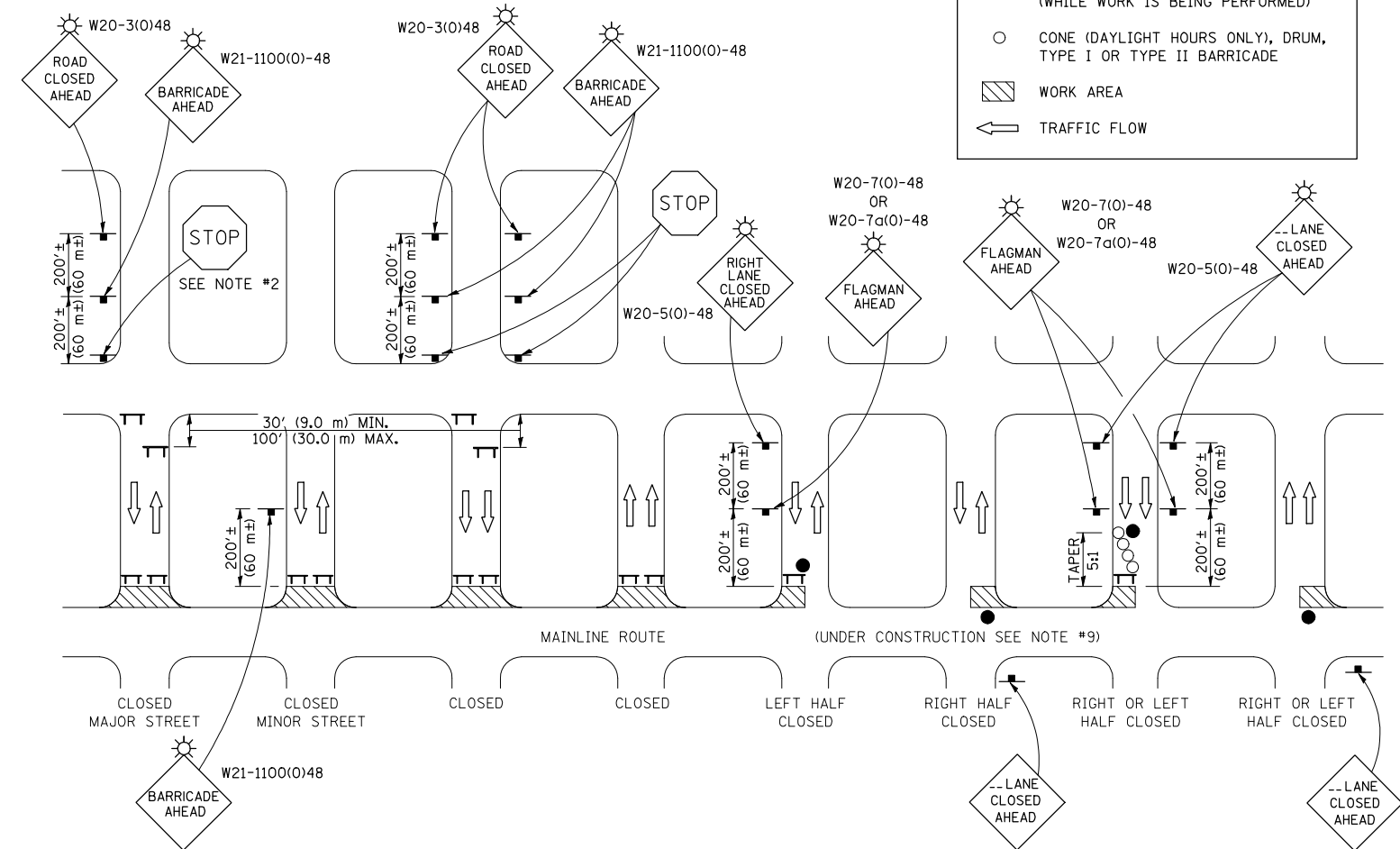
SYMBOLS	
	TYPE III BARRICADE (SEE NOTE 1)
	FLASHING AMBER LIGHT (TYPE A)



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.
- THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE VARIOUS PAY ITEMS INVOLVING THE RECONSTRUCTION OF ALL APPLICABLE SIDE STREETS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

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

FILE NAME =	USER NAME = carrollrt	DESIGNED -	REVISED - 11/06
et:\pw\work\PWIDOT\CARROLLRT\d0104712\7020000\Details.dgn		DRAWN -	REVISED - 12/07
		CHECKED -	REVISED -
		DATE -	REVISED -

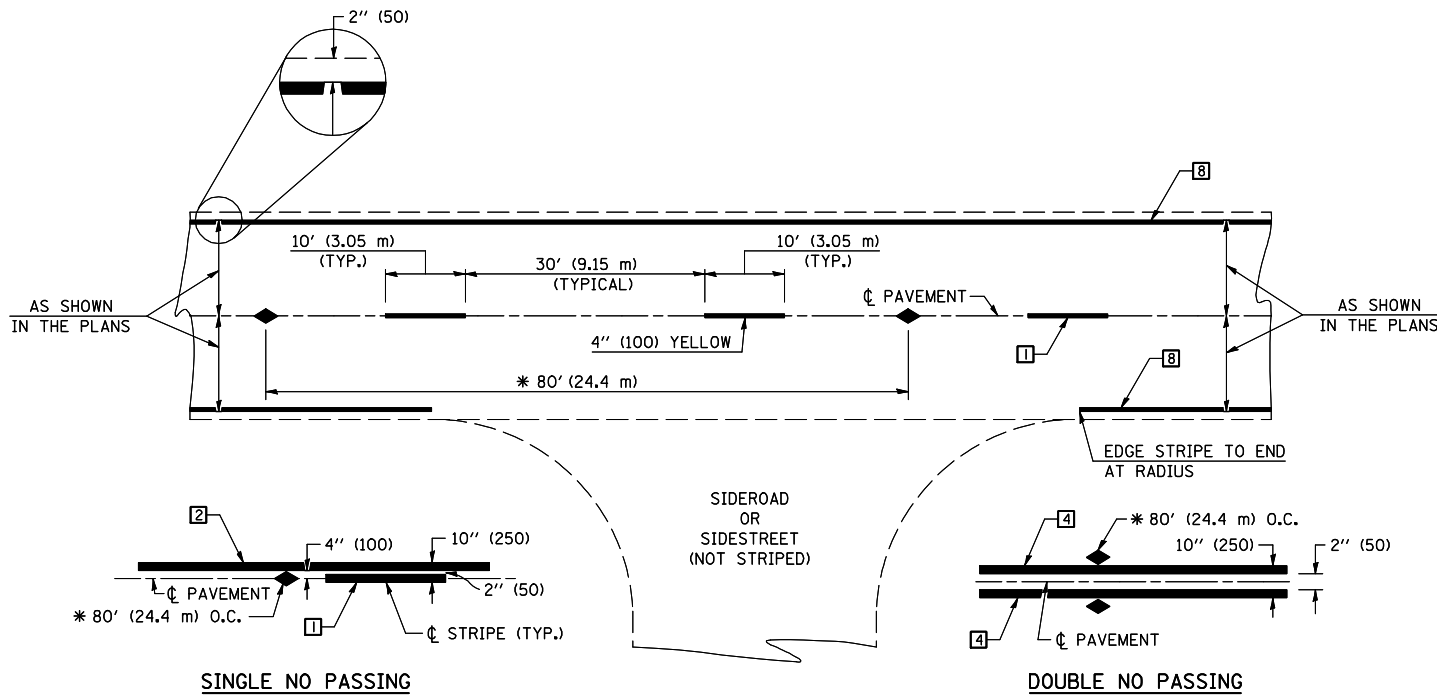
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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

DISTRICT 5 DETAIL NO. 7020000

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	43
CONTRACT NO. 70509				
FED. ROAD DIST. NO. 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

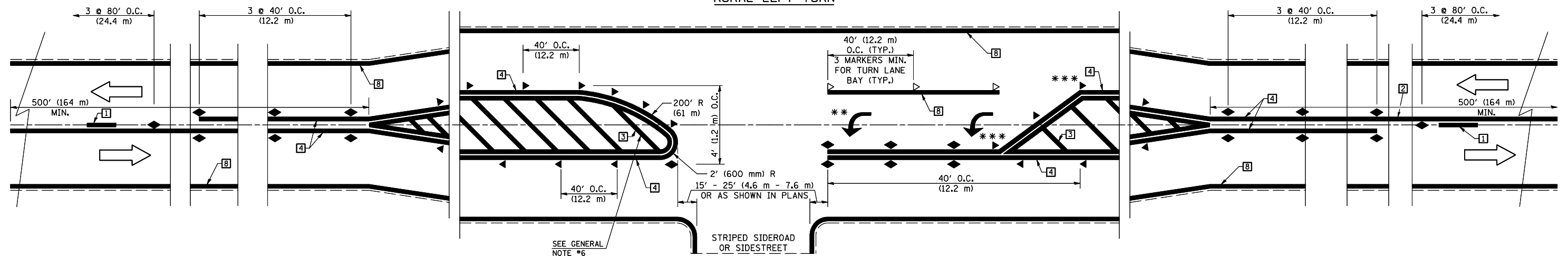
TYPICAL PAVEMENT MARKING LEGEND

- 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. 7800AAA

FILE NAME =	USER NAME = carrollrt	DESIGNED -	REVISED - 11/06
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	PLOT DATE = 4/3/2009	DATE -	REVISED -

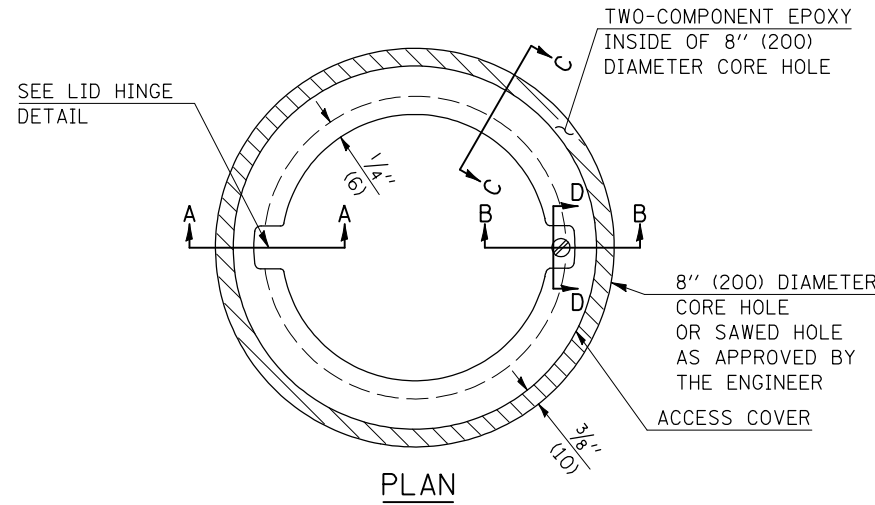
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

SCALE: SHEET NO. 1 OF 4 SHEETS STA. TO STA.

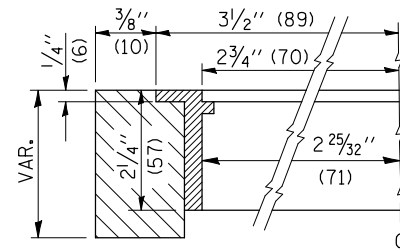
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	44
CONTRACT NO. 70509				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

TO BE INSTALLED IN RIGID OR COMPOSITE PAVEMENT FOR PRESERVING LAND SURVEY MONUMENTS (SECTION OR SUBSECTION CORNERS)



LEGEND

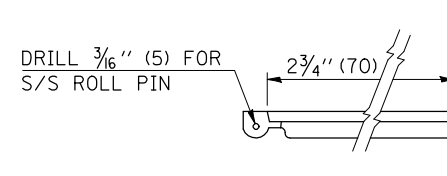
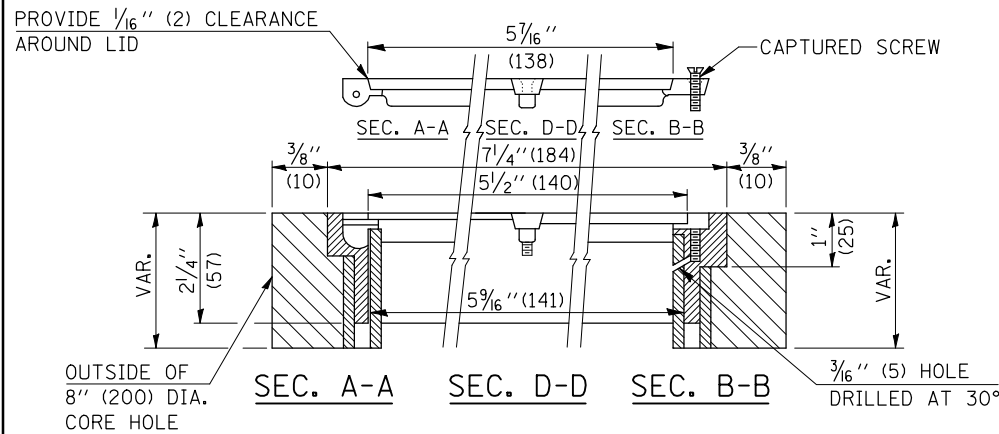
- ALUMINUM CASTING
- 5" (125) OR 6" (150) P.V.C. PIPE
- TWO-COMPONENT EPOXY
- T = THICKNESS OF PAVEMENT STRUCTURE
- H = THE THICKNESS OF THE SUB-BASE GRANULAR + 1" (25)



SECTION C-C

SPECIFICATIONS FOR ACCESS COVER FOR USE WITH SURVEY MARKER VAULT(S) AND SURVEY MARKER COVER ASSEMBLY(S): THE ACCESS COVER WILL BE CAST FROM A SPECIAL ALUMINUM ALLOY THAT IS COMPARABLE TO BRONZE IN HARDNESS. THE ACCESS COVER SHALL BE SPECIALLY ENGINEERED AND DESIGNED TO PROVIDE A SNUG FIT, INCORPORATING EQUIDISTANT LOCKING RIDGES, INSIDE A STANDARD 6" (150 mm) DIAMETER, OR OUTSIDE A STANDARD 5" (125 mm) DIAMETER, SCHEDULE 40 PVC PIPE. THE ACCESS COVER SHALL HAVE SPECIAL UNIFORM 1" (25 mm) THICK TOP SURFACE TO PERMIT INFORMATION TO BE EASILY MACHINE-STAMPED INTO IT. THE ACCESS COVER SHALL INCLUDE A STAINLESS CAPTURED SCREW AND AN OPPOSING RECESSED HINGE ASSEMBLY AS ITS LOCKING MECHANISM. THE ACCESS COVER SHALL INCORPORATE A SPECIAL ACCESS HOLE FOR CLEANING AND DRAINAGE, DRILLED AT 30° INSIDE THE RING OF THE ACCESS COVER, TO THE DRILLED AND TAPPED HOLE PROVIDED FOR THE STAINLESS CAPTURED SCREW. COMPOSITION: ALUMINUM 92-93%; MAGNESIUM 6.5-7.5%. STRENGTH: YIELD - 19,000-21,000 PSI (131-145 MPa); TENSILE - 38,000-44,000 PSI (262-303 MPa); ELONGATION - 10-15% IN 2" (50 mm). SPECIFICATIONS: ALLOY 535.0; Q0-A-60IES. NO EXCEPTIONS.

RE-BAR-SURVEY MARKER, TYPE I, (SPECIAL) TO BE FURNISHED BY THE CONTRACTOR AND SET BY AN ILLINOIS PROFESSIONAL LAND SURVEYOR (SEE SPECIAL DETAIL SHEET FOR ALUMINUM TABLET AND RE-BAR SPECIFICATIONS).



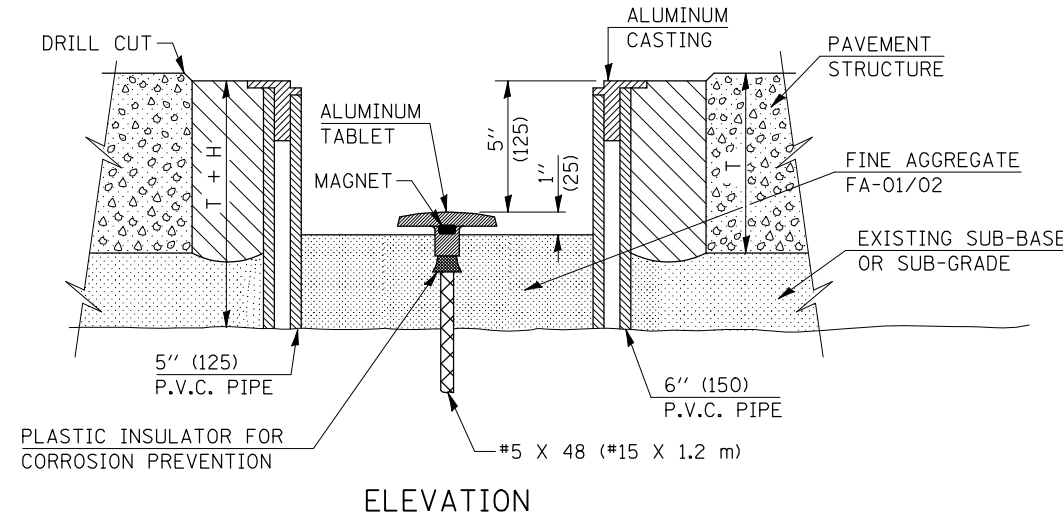
LID HINGE DETAIL

BILL OF MATERIAL

ALUMINUM CASTING OF THE DIMENSIONS AND SPECIFICATIONS SHOWN OR OTHER SUBJECT TO ENGINEER'S APPROVAL OF SHOP DRAWINGS, 5" OR 6" (125 mm OR 150 mm) DIAMETER P.V.C. PIPE, SCHEDULE 40, ALUMINUM TABLET, STAMPED IN ACCORDANCE WITH STANDARD 667101. 5/8" X 48" (#15 X 1.2 m) RE-BAR, EPOXY AND FA-01/02 AGGREGATE.

GENERAL NOTES

1. ALUMINUM CASTING SHALL BE EITHER PLACED OVER A 5" (125 mm) P.V.C. PIPE OR INSIDE OF A 6" (150 mm) P.V.C. PIPE.
2. BACKFILL WITH FINE AGGREGATE - FA-01/02.
3. WORK SHALL NOT START ON THIS ITEM UNTIL THE FINAL LIFT OF SURFACE HAS BEEN COMPLETED.
4. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR SURVEY MARKER VAULT WHICH PRICE SHALL INCLUDE ALL LABOR AND MATERIAL AS SPECIFIED INCLUDING CORING, EPOXY AND FA-01/02 AGGREGATE AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
5. THE CASTING SHALL BE ANCHORED IN THE 8" (200 mm) DIAMETER CORE HOLE WITH TWO-COMPONENT EPOXY CONFORMING TO APPLICABLE PORTIONS OF ARTICLE 1025.01 OF THE STANDARD SPECIFICATIONS.
6. ALL SURVEY MARKER (VAULTS) SHALL BE PLACED 1/4" (6 mm) ± BELOW THE FINAL SURFACE.
7. THE 8" (200 mm) DIAMETER CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.



ELEVATION

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

DISTRICT 5 DETAIL NO. X0301232

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	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 4/3/2009	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

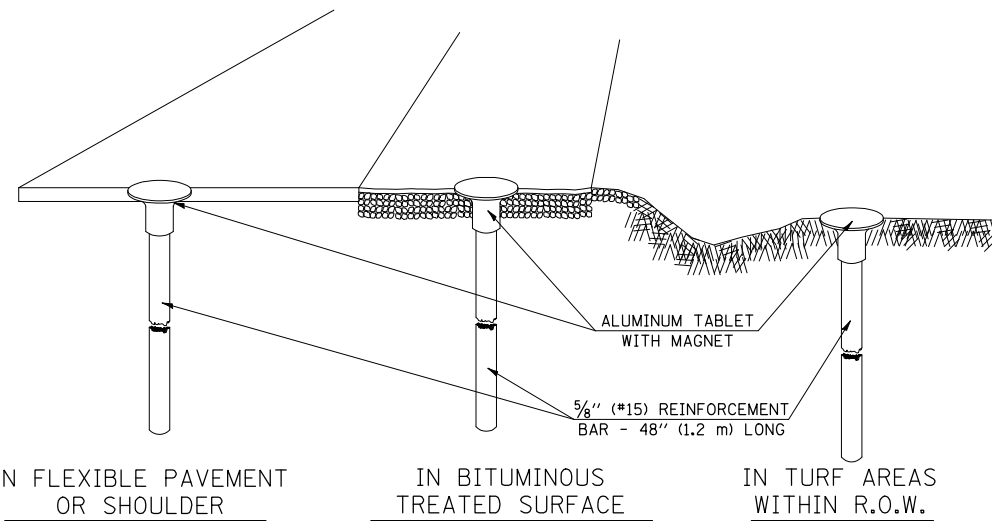
SURVEY MARKER VAULT

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	45
CONTRACT NO. 70509				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

XZ193300 – SURVEY MARKER, TYPE 1 (SPECIAL)

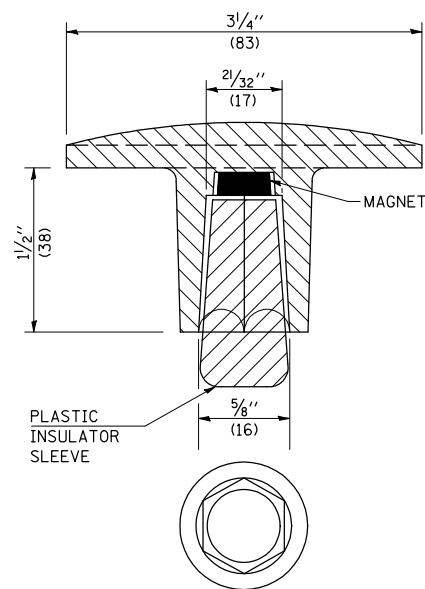
TO BE INSTALLED IN FLEXIBLE PAVEMENT OR SHOULDER, BITUMINOUS TREATED SURFACE AND TURF AREAS WITHIN THE RIGHT-OF-WAY FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



IN FLEXIBLE PAVEMENT OR SHOULDER

IN BITUMINOUS TREATED SURFACE

IN TURF AREAS WITHIN R.O.W.



THE DIMENSIONS SHOWN SHALL BE EXACT, OTHERS MAY VARY, BUT SHALL BE SHOWN ON SHOP DRAWINGS.

GENERAL NOTES

1. THE CONTRACT UNIT PRICE, EACH, FOR SURVEY MARKER, TYPE I, (SPECIAL) SHALL BE PAYMENT IN FULL FOR FURNISHING THE SURVEY MARKER.
2. ALL SURVEY MARKERS, TYPE I, (SPECIAL) SHALL BE PLACED $\pm 1/4"$ (6 mm) BELOW THE FINAL SURFACE.
3. WHEN THE TABLET AND REBAR ARE PLACED AS PART OF A SURVEY MARKER VAULT, THEY SHALL BE CONSIDERED AS INCLUDED IN THAT PAY ITEM AND THERE WILL BE NO PAYMENT FOR THE SURVEY MARKER, TYPE I, (SPECIAL).

SPECIFICATIONS FOR ALUMINUM TABLET

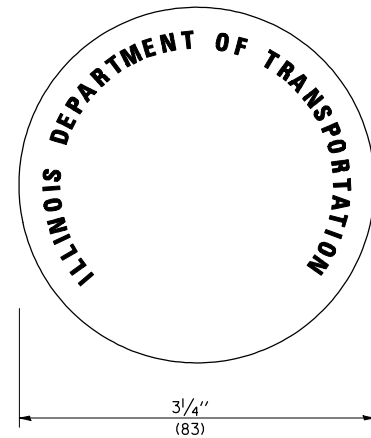
SURVEY CAP FOR REBAR. $3/4"$ (83 mm) CONVEX SURVEY CAP FOR $5/8"$ (15 mm) REBAR WITH ILLINOIS DEPARTMENT OF TRANSPORTATION LOGO. THIS LOGO SHALL PROVIDE LETTERS RECESSED INTO THE SURFACE A MINIMUM OF $1/32"$ (0.8 mm) FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM CAP FOR REBAR SHALL BE PRODUCED BY THE PROCESS OF ORBITAL FORGING TO PRODUCE A HIGH-STRENGTH AND DURABLE MARKER CAP WHICH WILL NOT CHIP OR BREAK AND PROVIDE A SMOOTH FINISH FOR STAMPING OF DATA IN THE FIELD. THE ALUMINUM CAP FOR REBAR SHALL BE TAPERED FOR A PERFECT COMPRESSION FIT. A SPECIAL PLASTIC INSULATOR SHALL BE INSTALLED TO PREVENT DISSIMILAR METAL CONTACT AND CORROSION. THE PLASTIC INSULATOR SHALL FORM READILY TO THE OUTER SHAPE OF THE REBAR AND TO THE INNER SHAPE OF THE ALUMINUM CAP SOCKET. THE PLASTIC INSULATOR SHALL BE LOW DENSITY POLYETHYLENE, A MINIMUM $1/2"$ (38 mm) LONG AND CONFORM TO FEDERAL SPECIFICATION L-P 390.

COMPOSITION: ALUMINUM 98.3-98.7%; OTHER 1.3-1.7%; STRENGTH: YIELD 28 KSI (193 MPa), ULTIMATE 32 KSI (221 MPa). ELONGATION 15% [IN 2" (50 mm)]. SPECIFICATIONS: ALUMINUM ALLOY 6101-0; ASTM B317-83 (EXCEPT TEMPER) AS FORGED. NO EXCEPTIONS.

SPECIFICATIONS FOR REBAR

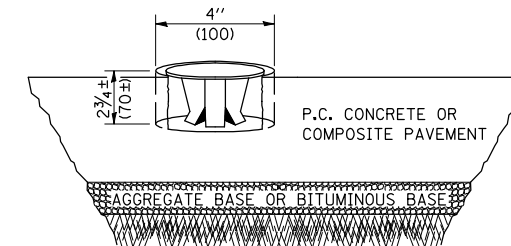
REBAR FOR ALUMINUM TABLET. REINFORCEMENT BAR SHALL BE $5/8"$ (#15) X 48" (1.2 m) (DEFORMED).

INSPECTION OF REINFORCEMENT BAR $5/8"$ (#15) SHALL BE DONE BY DISTRICT PERSONNEL OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DIVISION OF HIGHWAYS.



XZ193400 – SURVEY MARKER, TYPE 2 (SPECIAL)

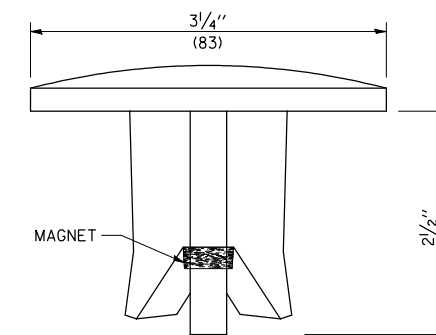
TO BE INSTALLED IN RIGID OR COMPOSITE PAVEMENT FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



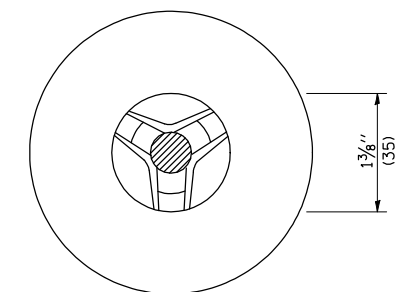
SPECIFICATIONS FOR ALUMINUM TABLET (FORKED)

ALUMINUM TABLET (FORKED) FOR USE WITH "SURVEY MARKER, TYPE 2, (SPECIAL)" SHALL BE AS SHOWN ON THE DETAIL FOR THE $3/4"$ (83 mm) CONVEX SURVEY TABLET WITH ILLINOIS DEPARTMENT OF TRANSPORTATION LOGO. THIS LOGO SHALL PROVIDE FOR LETTERS RECESSED INTO THE SURFACE A MINIMUM OF $1/32"$ (0.8 mm) FOR EASY AND LONG-TERM LEGIBILITY. THE ALUMINUM TABLET SHALL BE PRODUCED BY THE PROCESS OF ORBITAL FORGING TO PRODUCE A HIGH-STRENGTH AND DURABLE MARKER CAP WHICH WILL NOT CHIP OR BREAK AND PROVIDE A SMOOTH FINISH FOR STAMPING OF DATA IN THE FIELD. THE ALUMINUM TABLET SHALL BE DESIGNED NOT TO TURN OR ROTATE. THREE PRONGS ON A $2/2"$ (63 mm) STEM SHALL BE SUCH THAT THE ALUMINUM TABLET CANNOT BE EASILY REMOVED.

COMPOSITION: ALUMINUM 92-93%; MAGNESIUM 6.5-7.5%. STRENGTH: YIELD 19,000-21,000 PSI (131-145 MPa); TENSILE 38,000-44,000 PSI (262-303 MPa); ELONGATION 10-15% [IN 2" (50 mm)]. SPECIFICATIONS: ALLOY 535.0; QQ-A-601ES. NO EXCEPTIONS.



SIDE VIEW



BOTTOM VIEW

THE DIMENSIONS SHOWN SHALL BE EXACT, OTHERS MAY VARY, BUT SHALL BE SHOWN ON SHOP DRAWINGS.

GENERAL NOTES

1. WORK ON THIS ITEM SHALL NOT START UNTIL THE FINAL SURFACE IS COMPLETED.
2. THE ALUMINUM TABLET (FORKED) SHALL REST UPON THE BOTTOM OF THE 4" (100 mm) CORE HOLE. IF THE HOLE IS TOO DEEP, EPOXY GROUT MUST BE USED TO DECREASE THE DEPTH AND ALLOWED TO HARDEN BEFORE PROCEEDING.
3. THE ALUMINUM TABLET SHALL BE ANCHORED IN THE 4" (100 mm) DIAMETER HOLE IN THE NEW PAVEMENT WITH TWO-COMPONENT EPOXY CONFORMING TO APPLICABLE PORTIONS OF ARTICLE 1025.01 OF THE STANDARD SPECIFICATIONS.
4. THE 4" (100 mm) CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
5. THE CONTRACT PRICE, EACH, FOR SURVEY MARKER, TYPE 2 (SPECIAL) SHALL BE PAYMENT IN FULL FOR FURNISHING THE ALUMINUM TABLET AND ALL LABOR AND MATERIAL TO SET THE MARKER IN PLACE, AS SPECIFIED, INCLUDING CORING THE NEW PAVEMENT.
6. ALL SURVEY MARKERS, TYPE 2 (SPECIAL) SHALL BE PLACED $\pm 1/4"$ (6 mm) BELOW THE FINAL SURFACE.

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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SURVEY MARKERS TYPE 1 & 2 (SPECIAL)

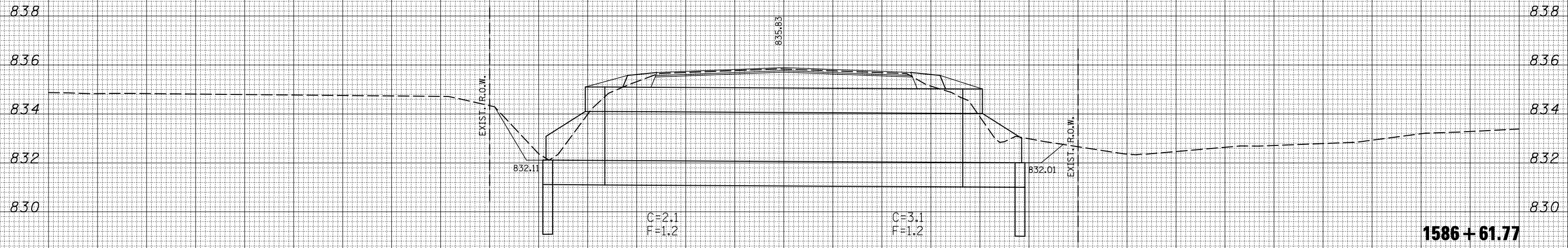
SCALE: SHEET NO. OF SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. XZ193AAA

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 70509				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

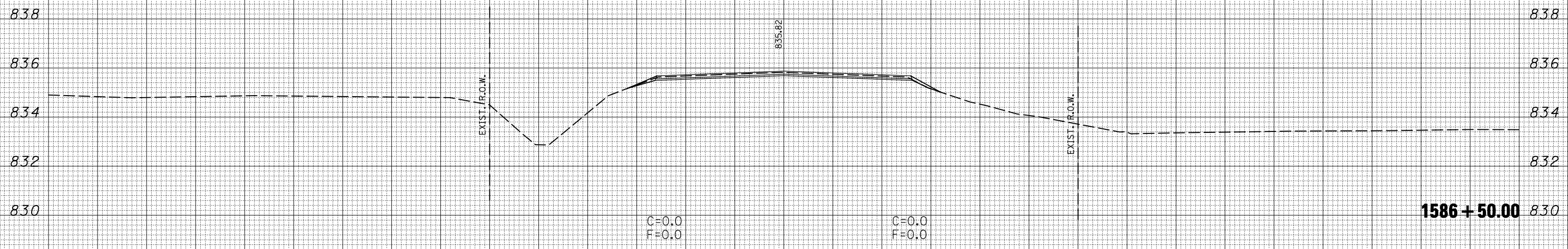
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FINL	
SURVEY	
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1586 + 61.77

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1586 + 50.00

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

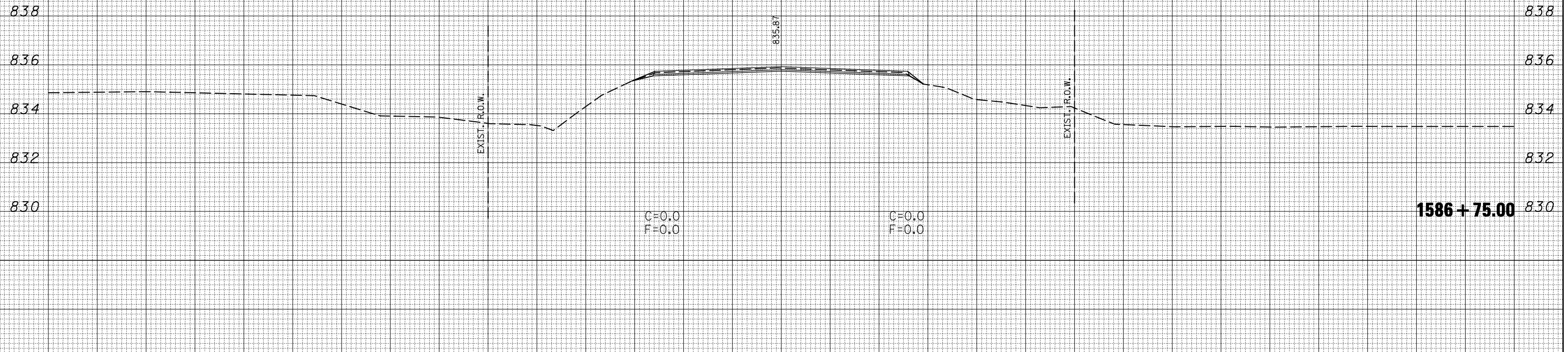
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	47
		CONTRACT NO.	70509	
		ILLINOIS FED. AID PROJECT		

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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
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BY	DATE
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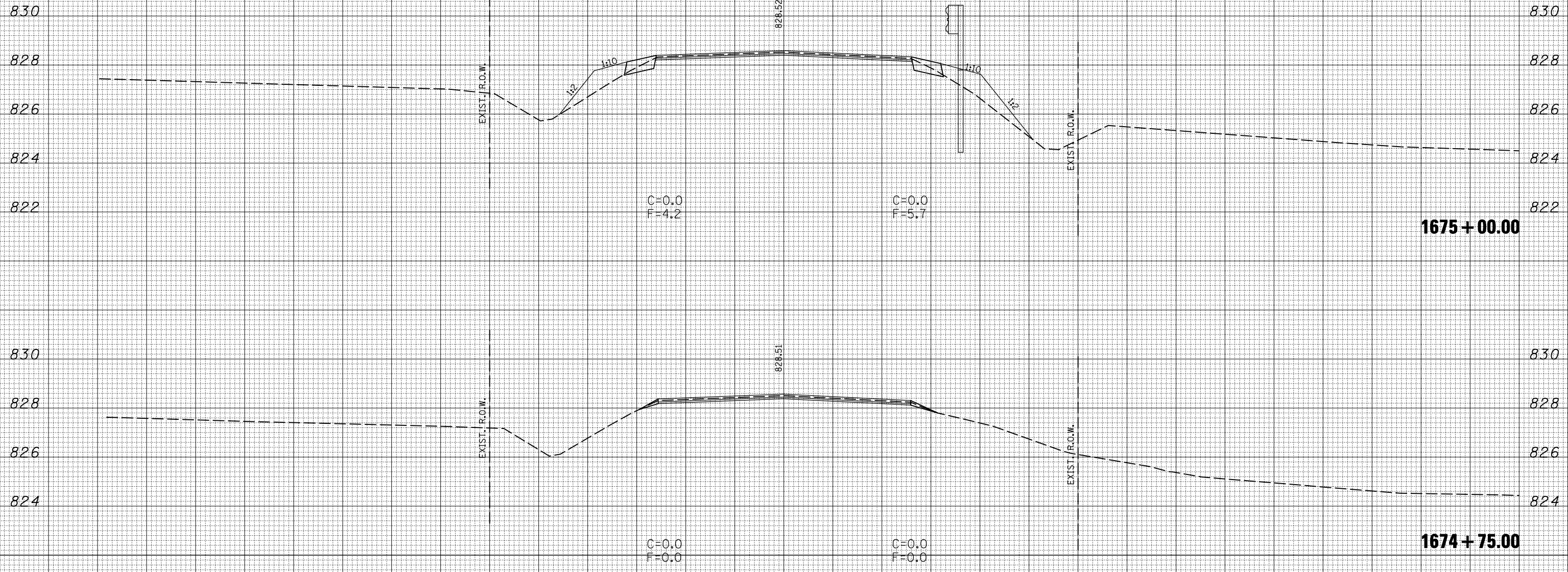


1586 + 75.00

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BY	DATE
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NOTE BOOK	PLOTTED
NO.	TEMPLATE
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BY	DATE
ORIGINAL SURVEY	SURVEYED
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DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

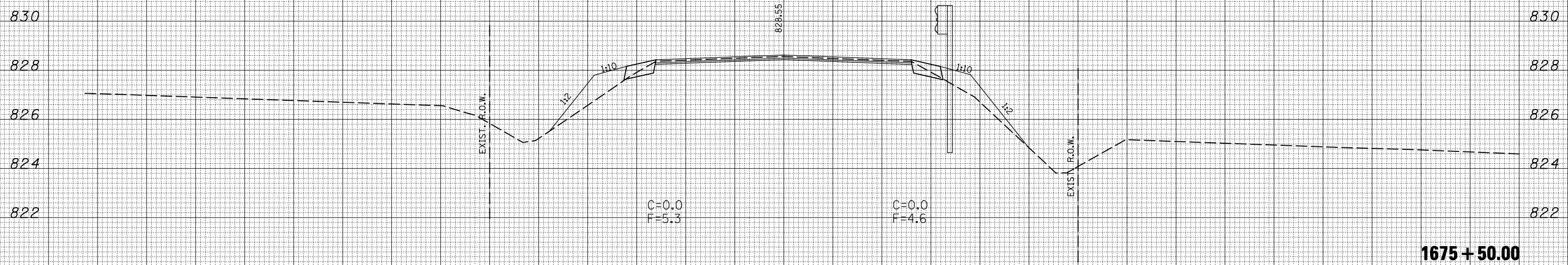
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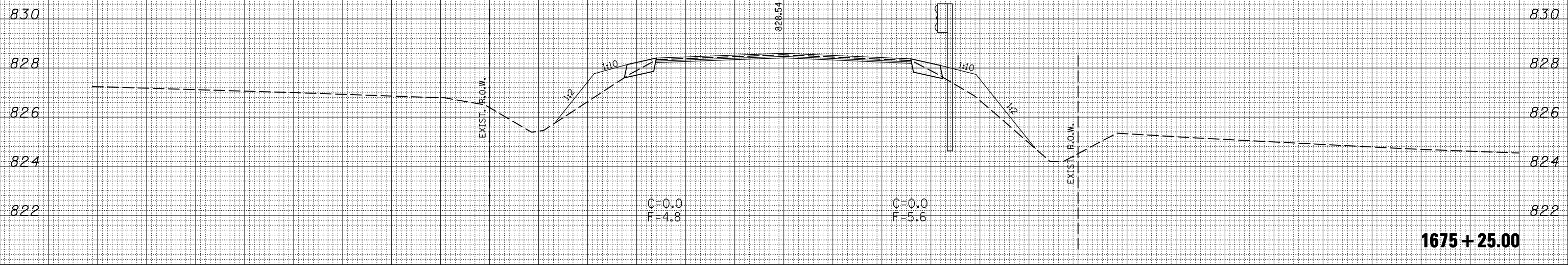
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693	(21,22)R,RS-1	MCLEAN	105	49
CONTRACT NO. 70509			ILLINOIS FED. AID PROJECT	

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



BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

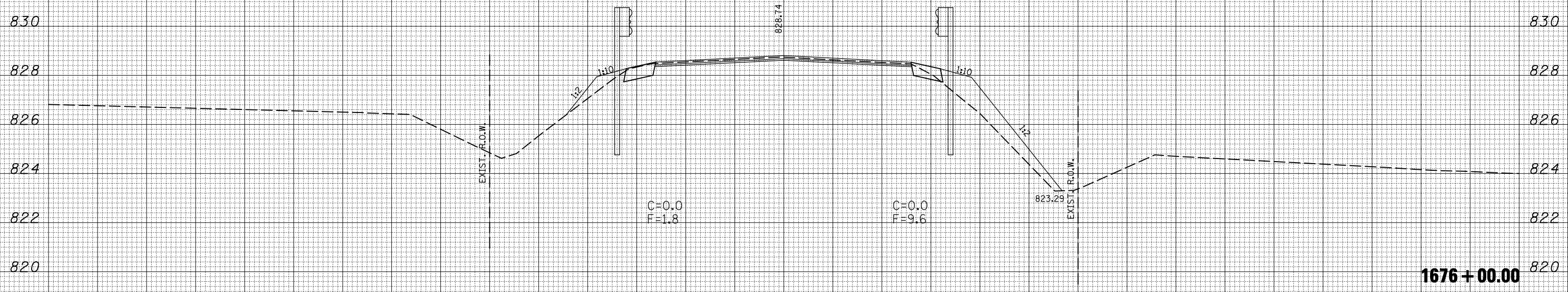
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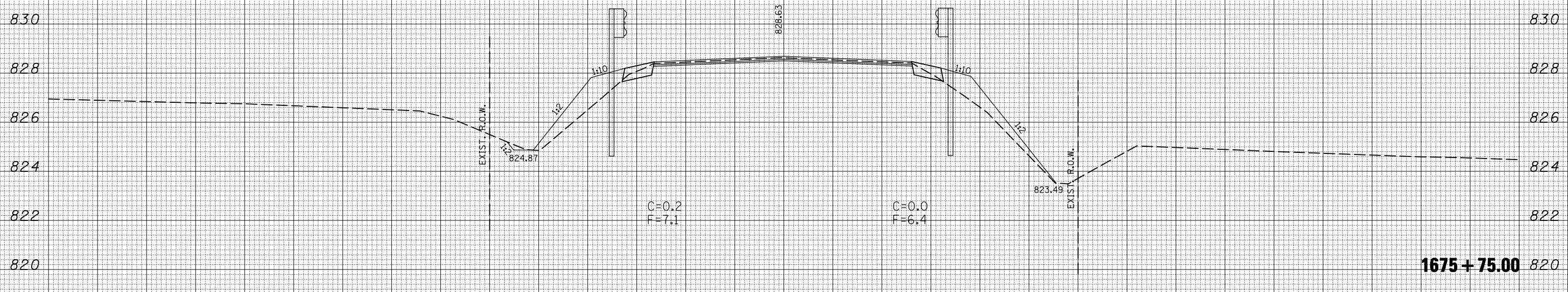
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	50
CONTRACT NO. 70509			ILLINOIS FED. AID PROJECT	

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



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



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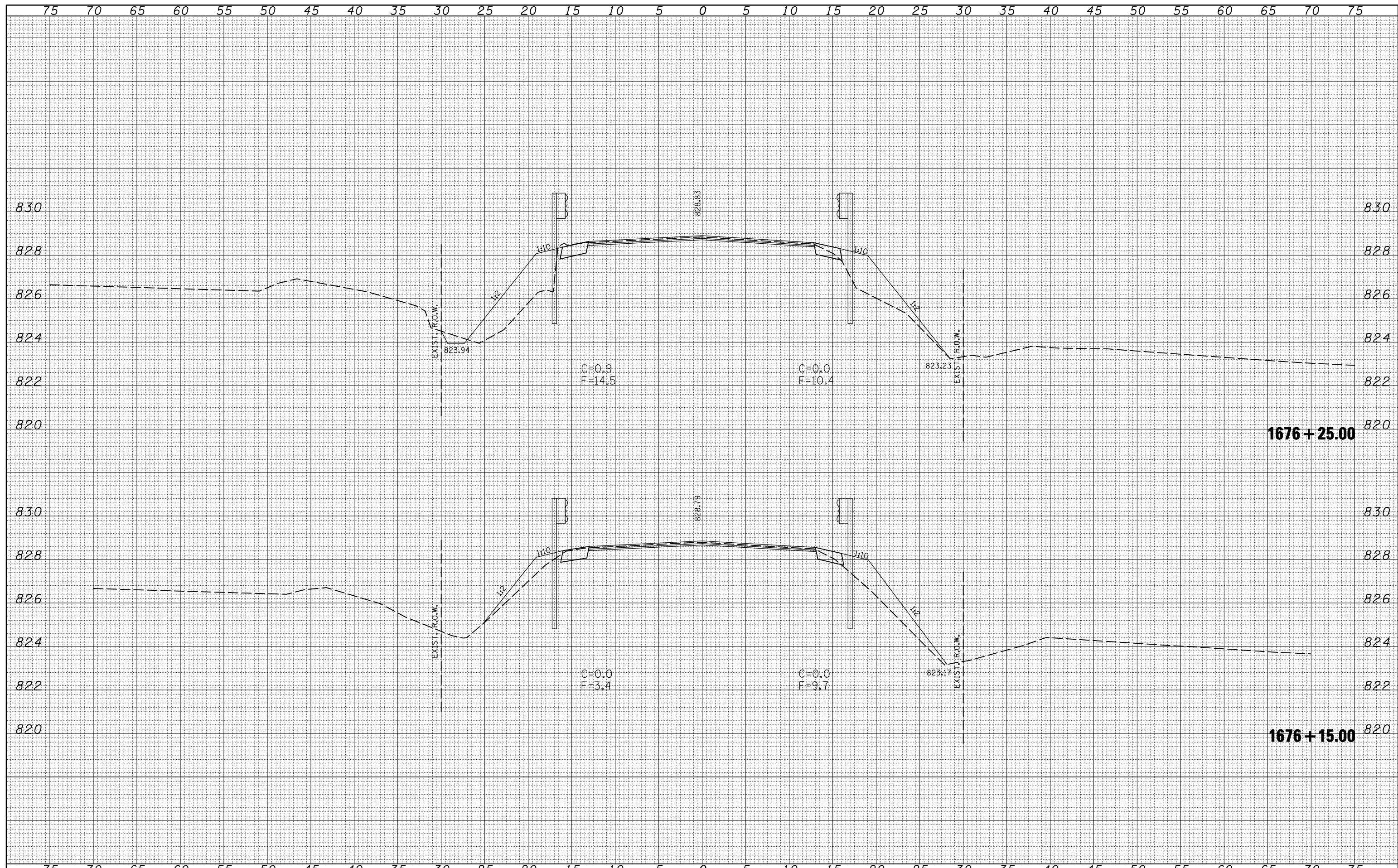
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 1675+75.00 TO STA. 1676+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	51
CONTRACT NO. 70509			ILLINOIS FED. AID PROJECT	



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FINL SURVEY NO.	NOTE BOOK NO.	AREAS CHECKED

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

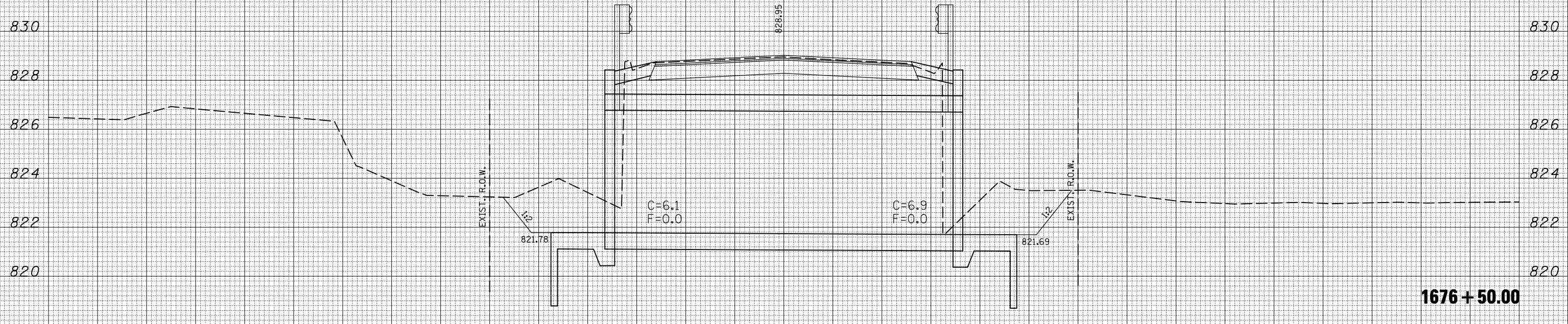
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 1676+15.00 TO STA. 1676+25.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	52
CONTRACT NO. 70509				
ILLINOIS FED. AID PROJECT				

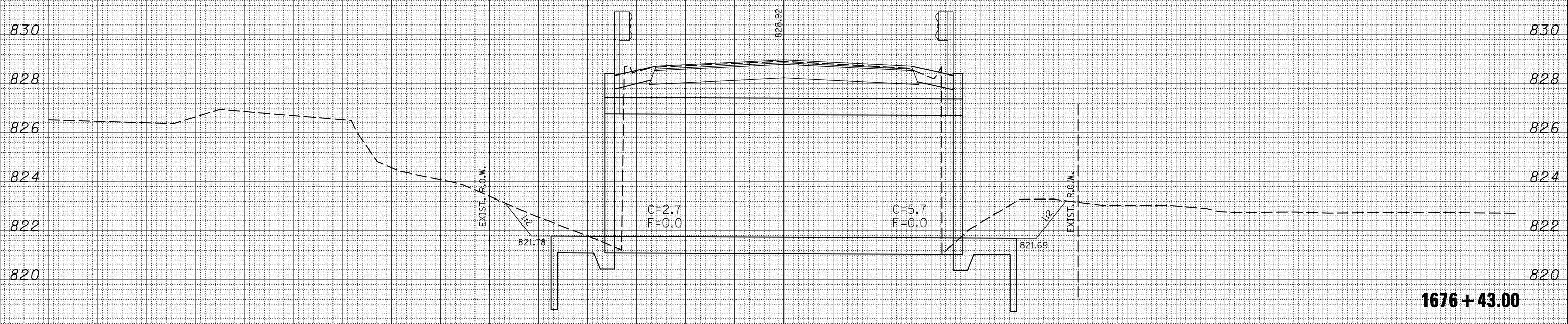
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NO.		FINL	SURVEY	NOTE	BOOK	AREAS



1676 + 50.00

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



1676 + 43.00

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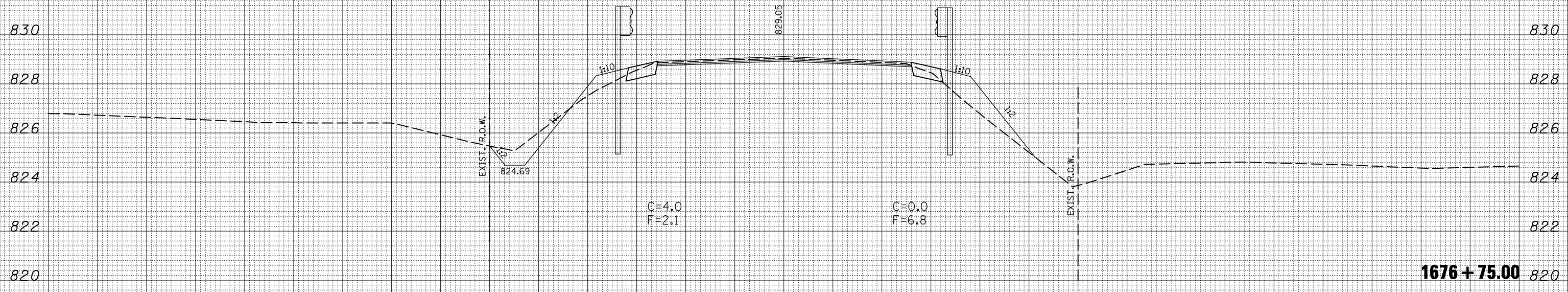
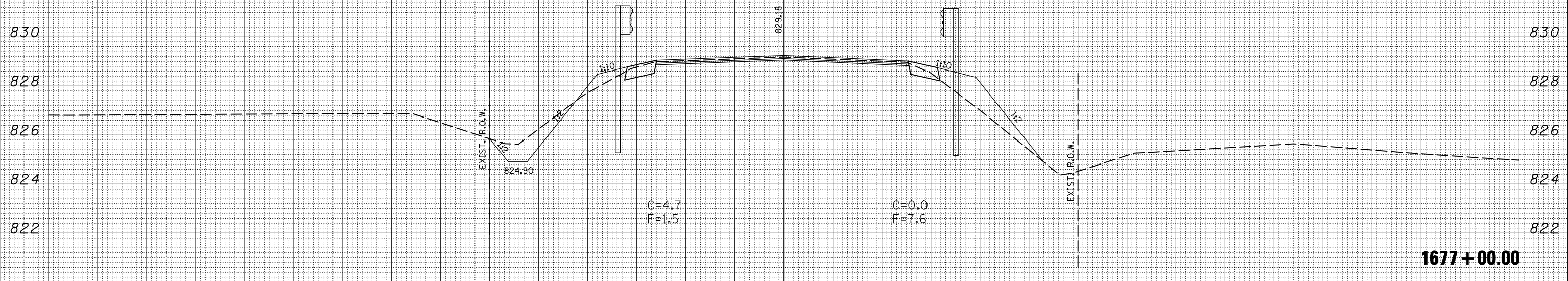
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 1676+43.00 TO STA. 1676+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	53
CONTRACT NO. 70509			ILLINOIS FED. AID PROJECT	

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75



75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

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FINAL SURVEY	
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

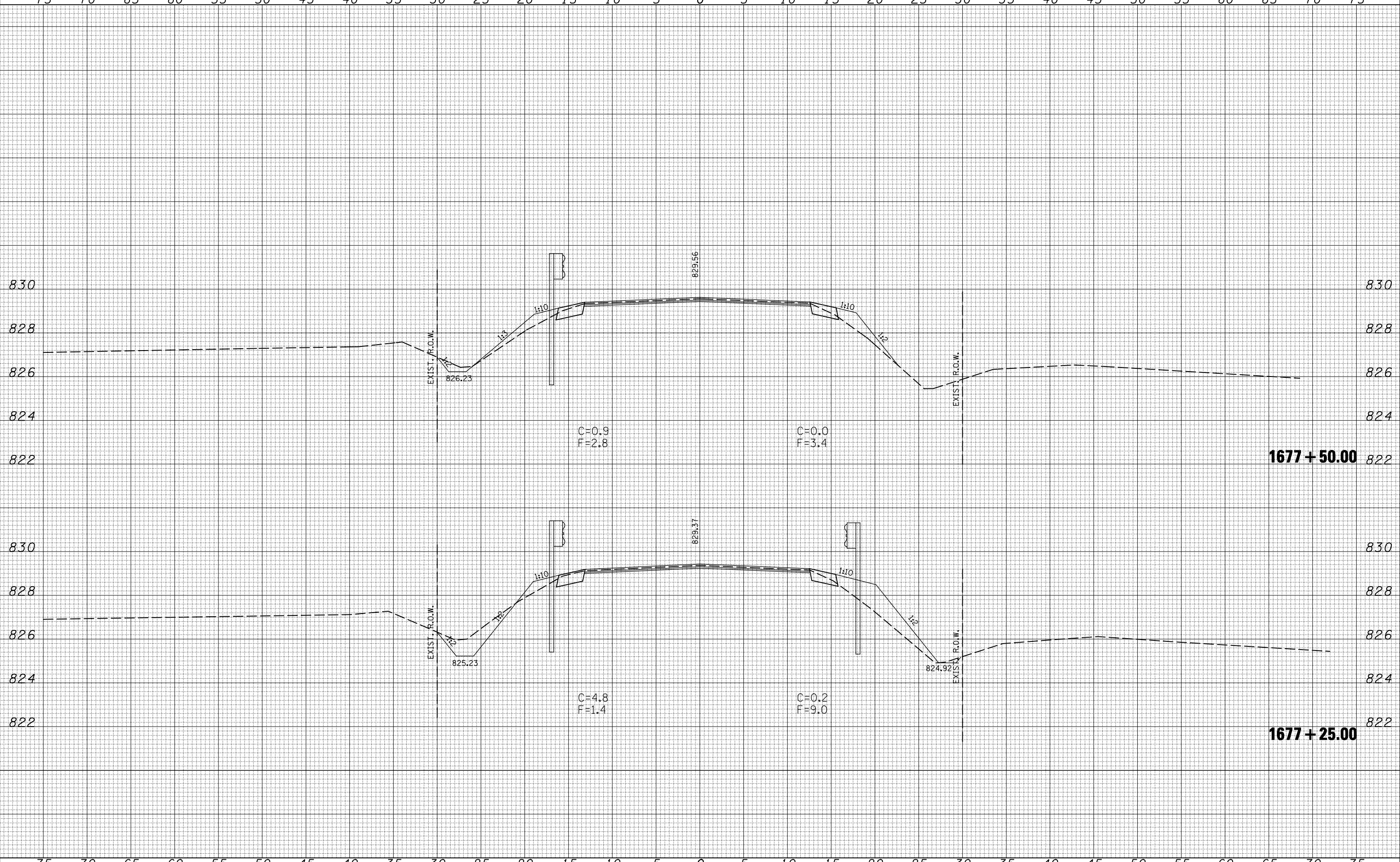
SCALE: SHEET NO. OF SHEETS STA. 1676+75.00 TO STA. 1677+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	54
CONTRACT NO. 70509			ILLINOIS FED. AID PROJECT	

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

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

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



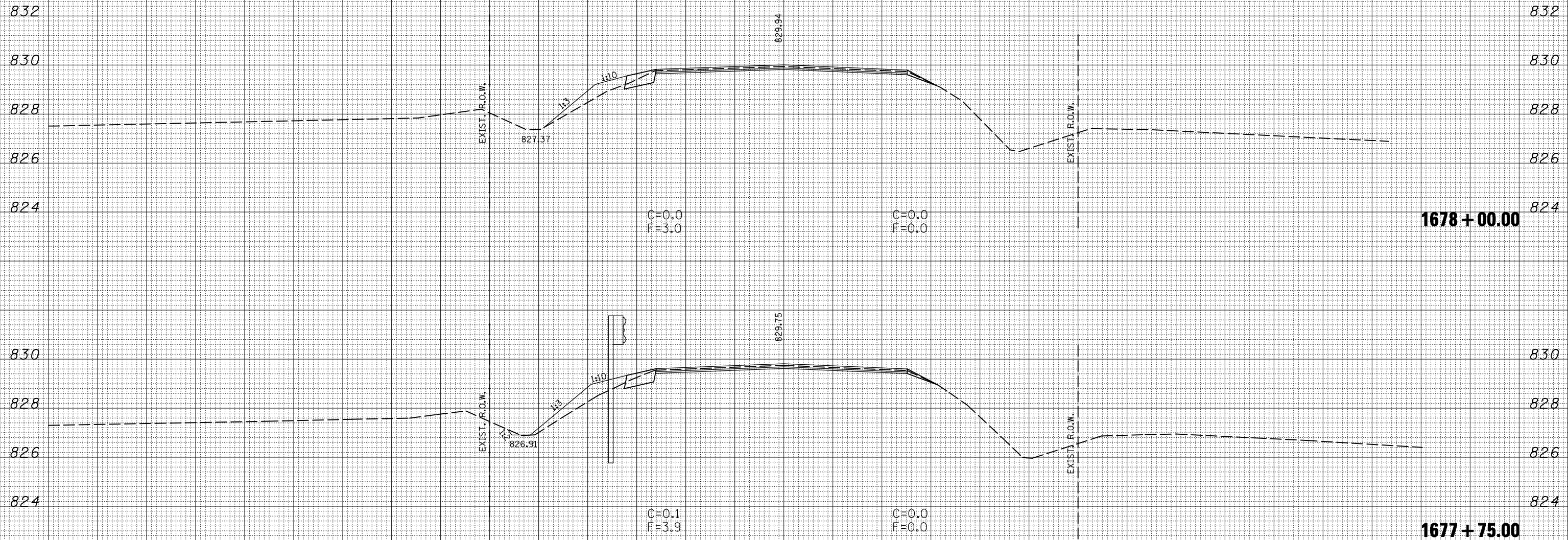
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PLOT DATE = 4/1/2009	DATE -	REVISED -							

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

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



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

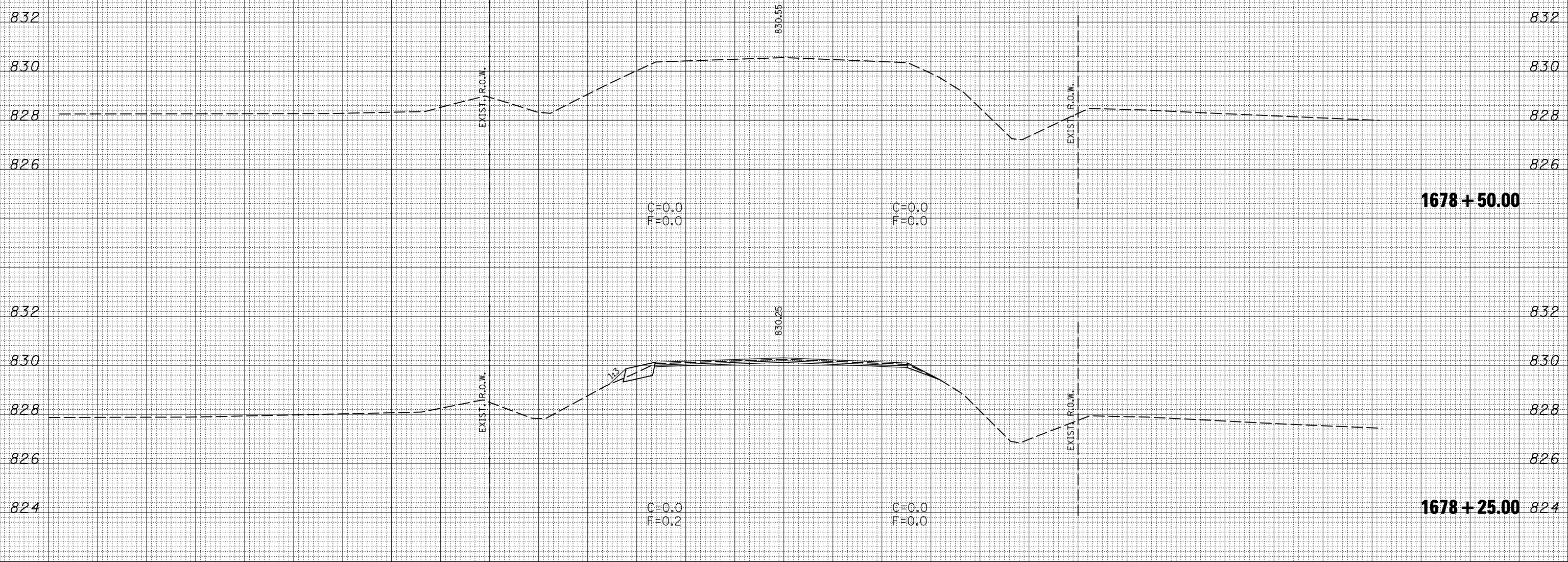
SCALE: SHEET NO. OF SHEETS STA. 1677+75.00 TO STA. 1678+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	56
CONTRACT NO. 70509			ILLINOIS FED. AID PROJECT	

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

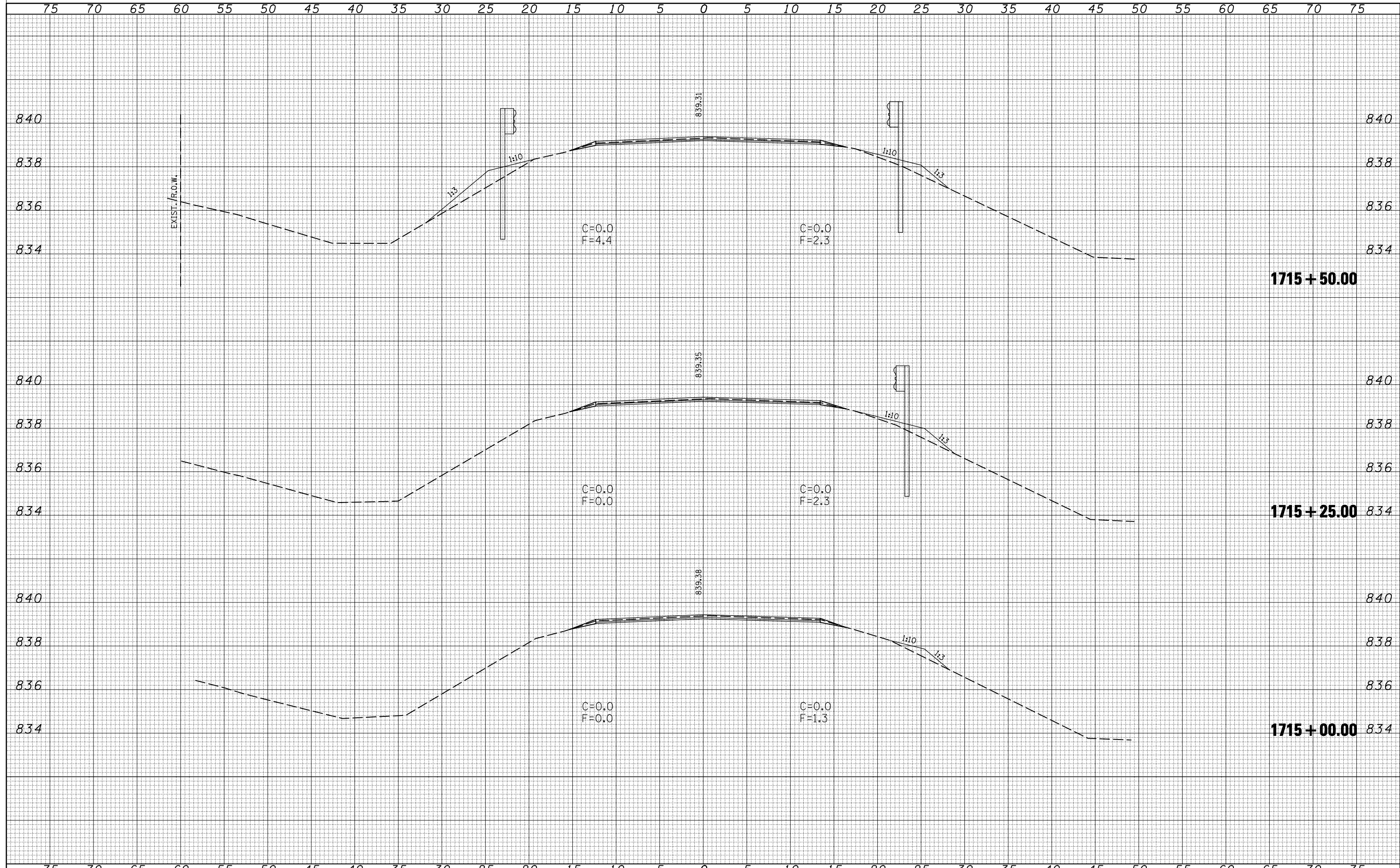
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 1678+25.00 TO STA. 1678+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	57
CONTRACT NO. 70509			ILLINOIS FED. AID PROJECT	

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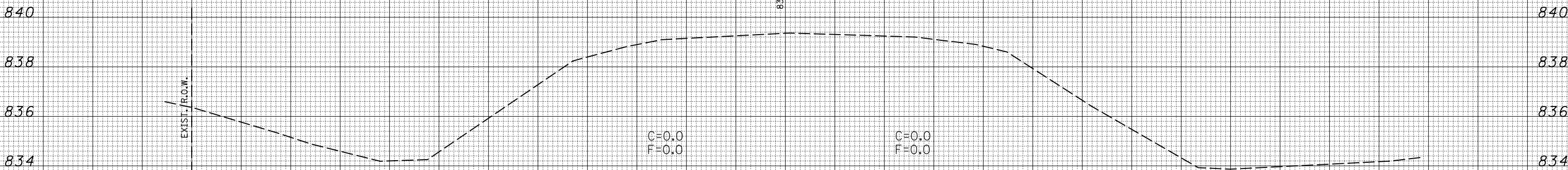
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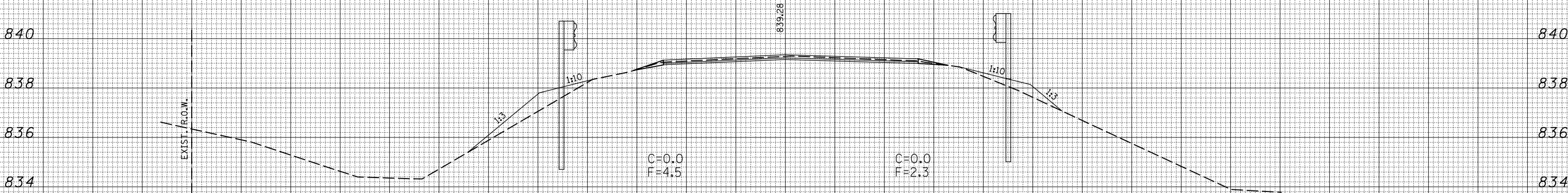
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PLOT DATE = 4/3/2009		DATE -	REVISÉ -		ILLINOIS FED. AID PROJECT							

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

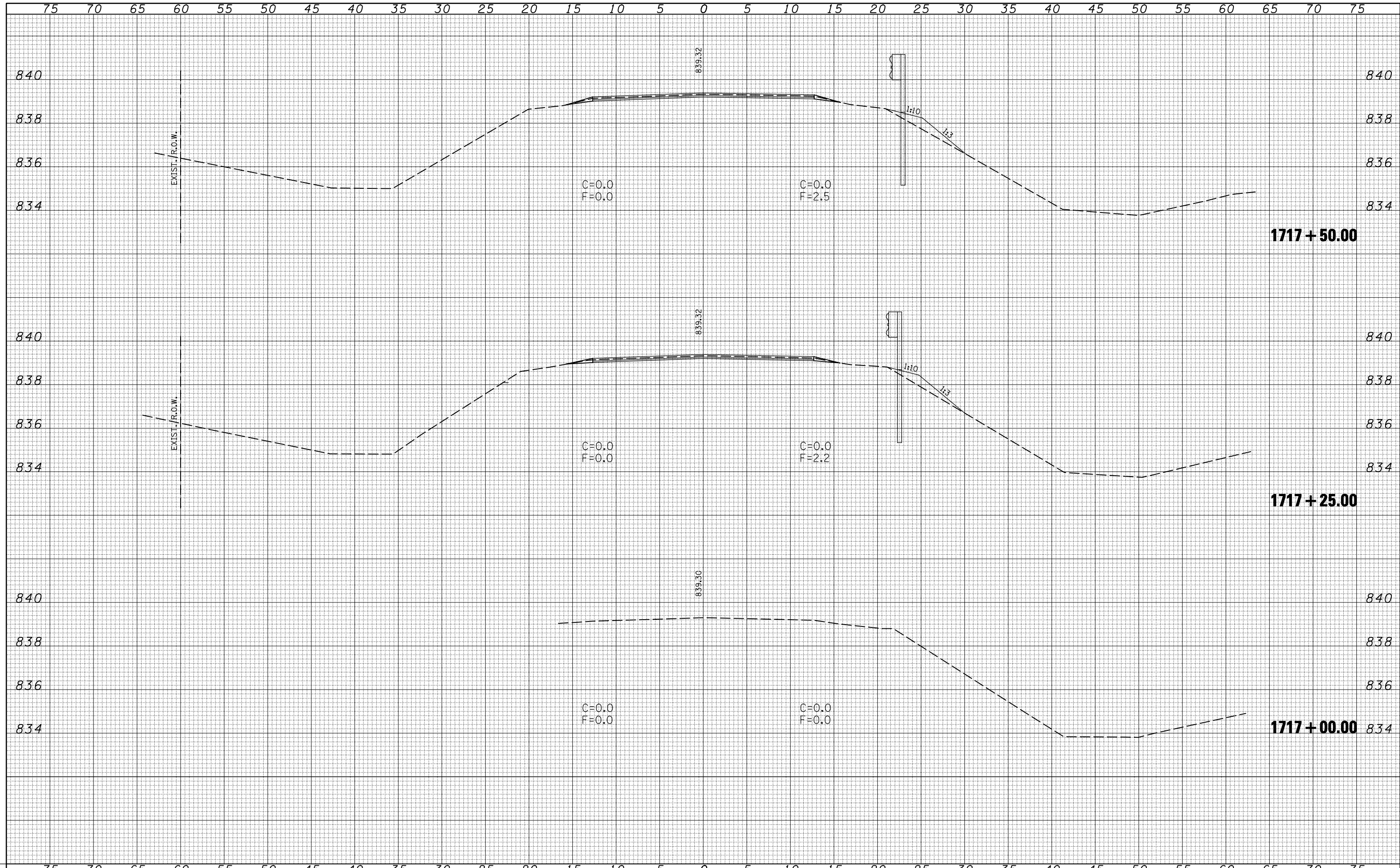
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 1715+75.00 TO STA. 1716+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	59
			CONTRACT NO. 70509	
ILLINOIS FED. AID PROJECT				

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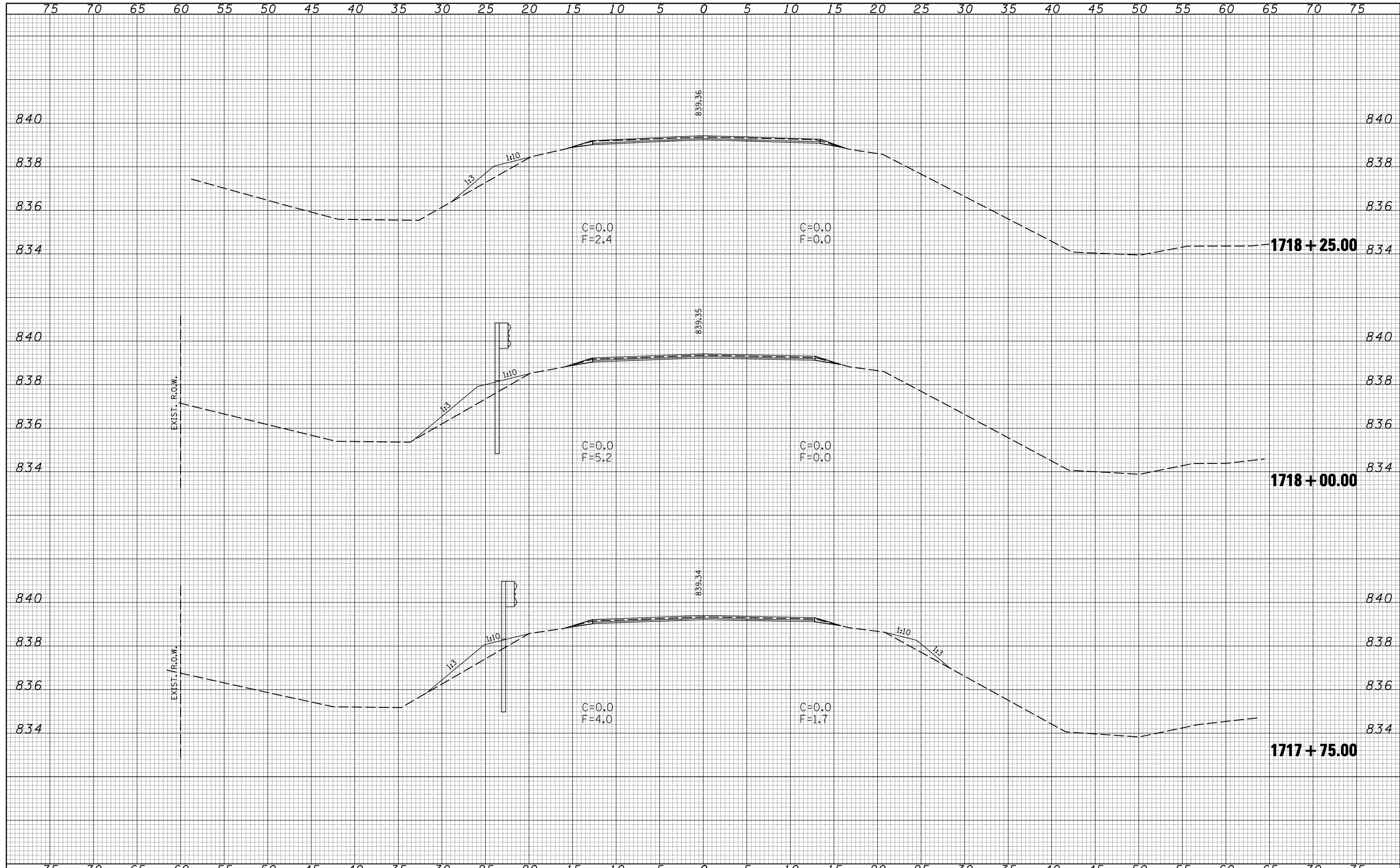
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PLOT DATE = 4/1/2009		DATE -	REVISIED -		SCALE:	SHEET NO.	OF SHEETS	STA. 1717+00.00 TO STA. 1717+50.00	ILLINOIS FED. AID PROJECT			

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

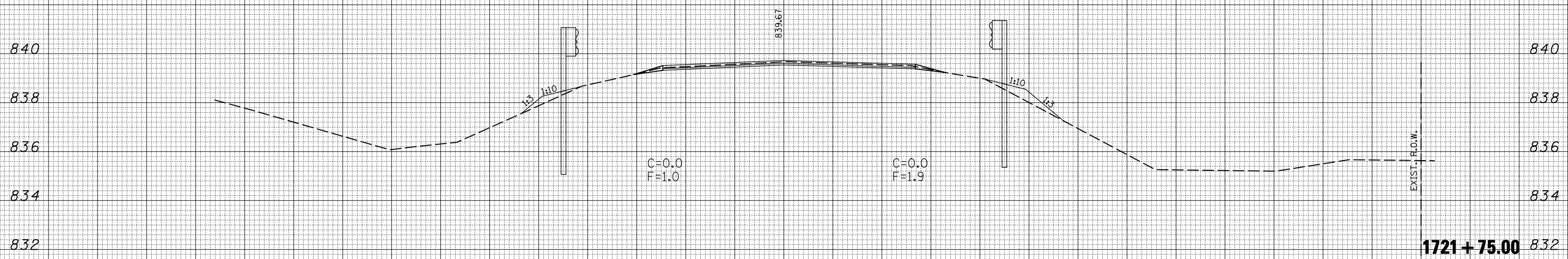
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 1717+75.00 TO STA. 1718+25.00

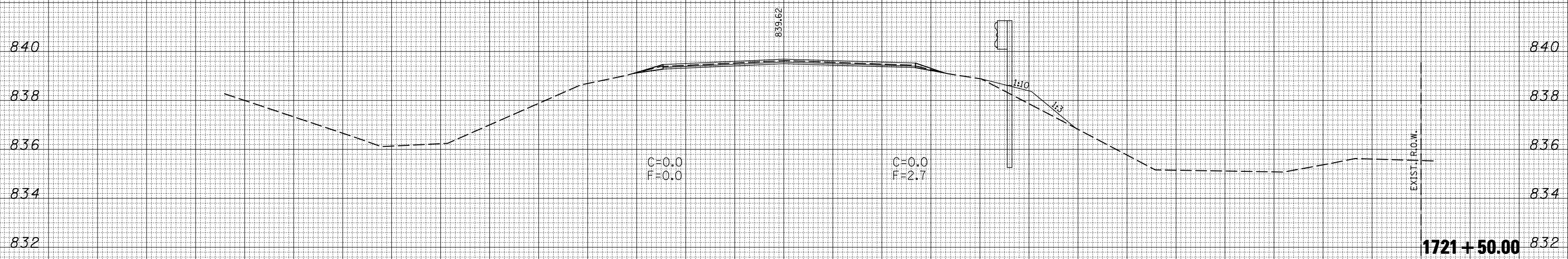
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	61
CONTRACT NO. 70509			ILLINOIS FED. AID PROJECT	

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FINAL SURVEY	SURVEYED
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

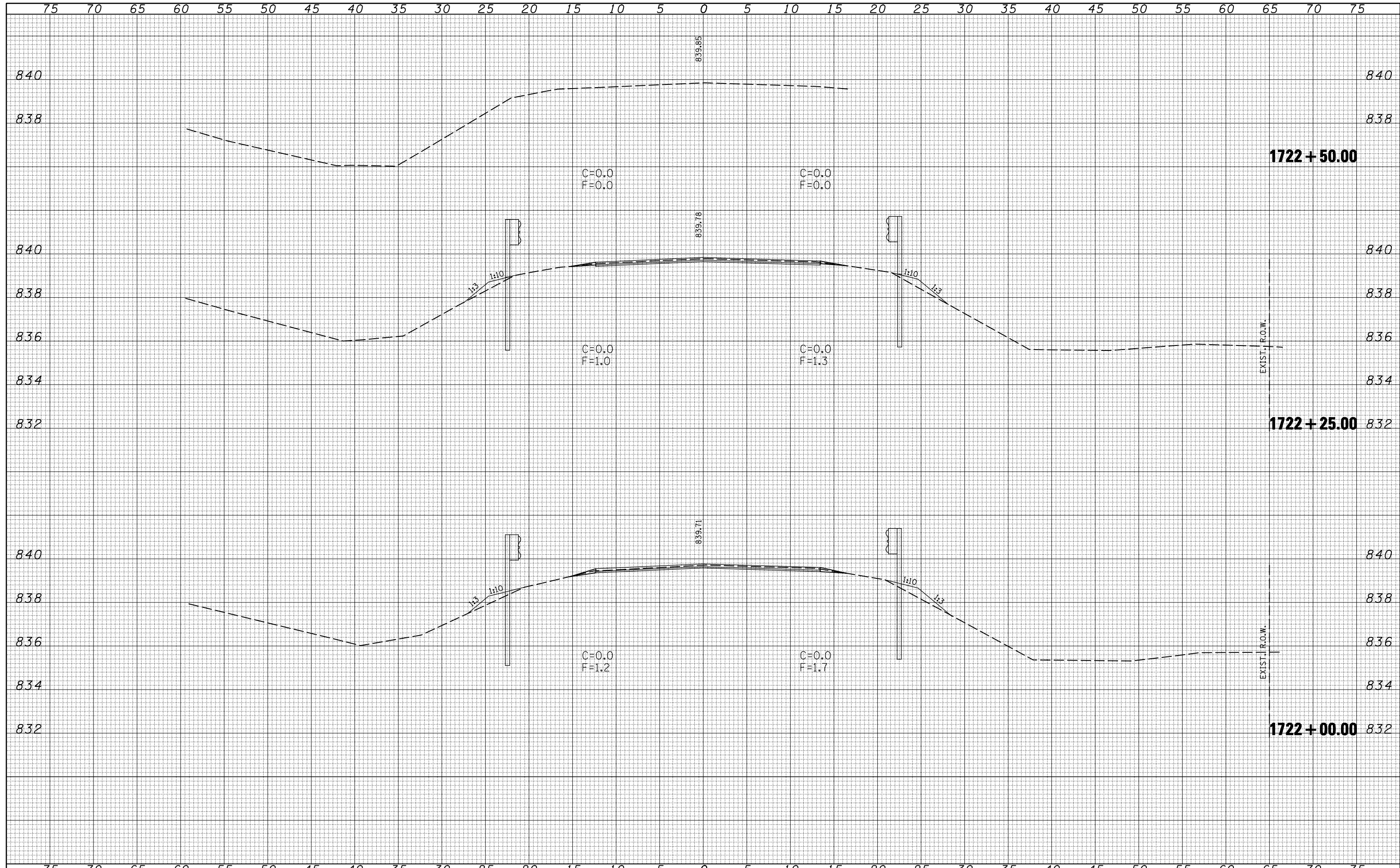
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 1721+50.00 TO STA. 1721+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	62
CONTRACT NO. 70509			ILLINOIS FED. AID PROJECT	

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

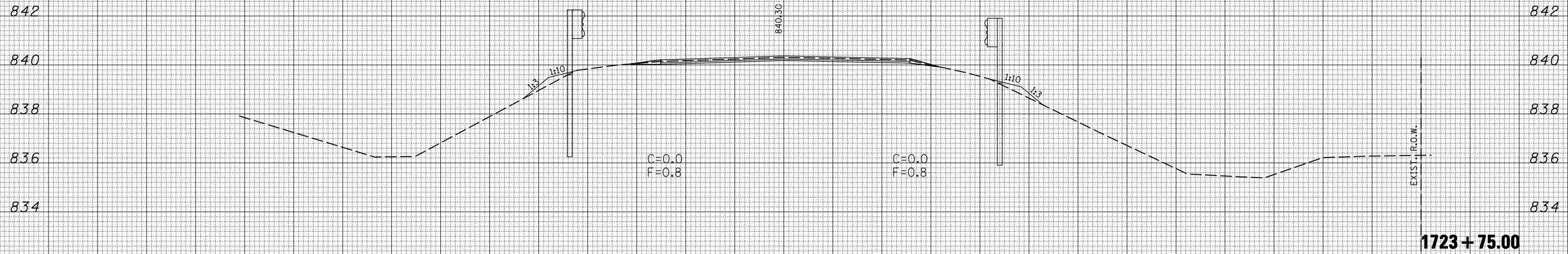
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 1722+00.00 TO STA. 1722+50.00

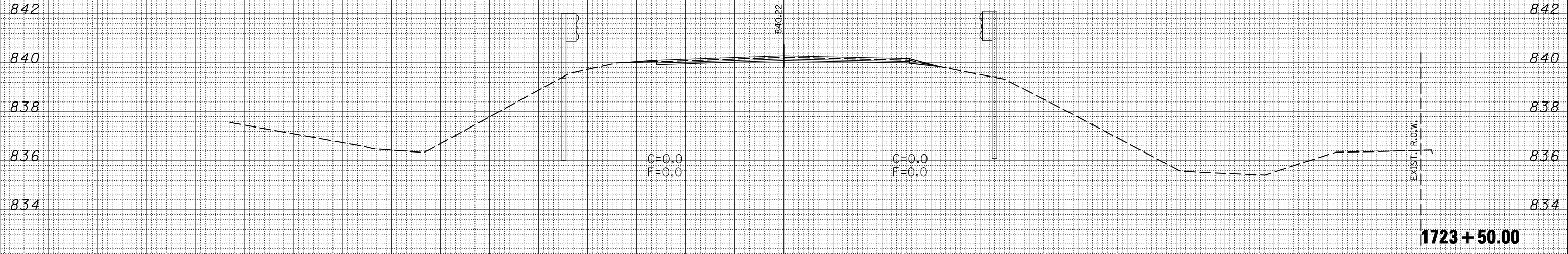
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693	(21,22)R,RS-1	MCLEAN	105	63
CONTRACT NO. 70509			ILLINOIS FED. AID PROJECT	

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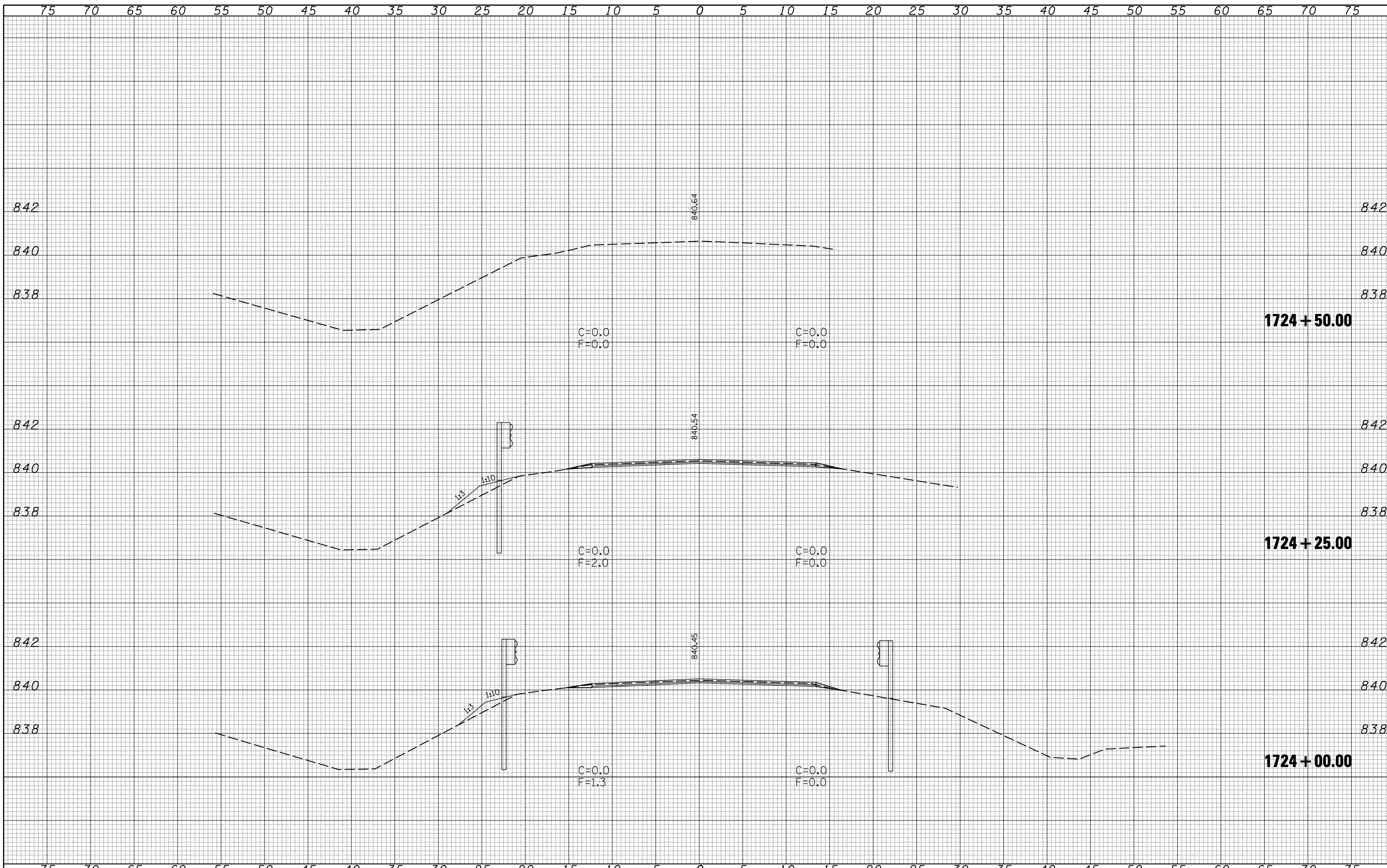
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NOTE BOOK	PLOTTED
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	AREAS CHECKED



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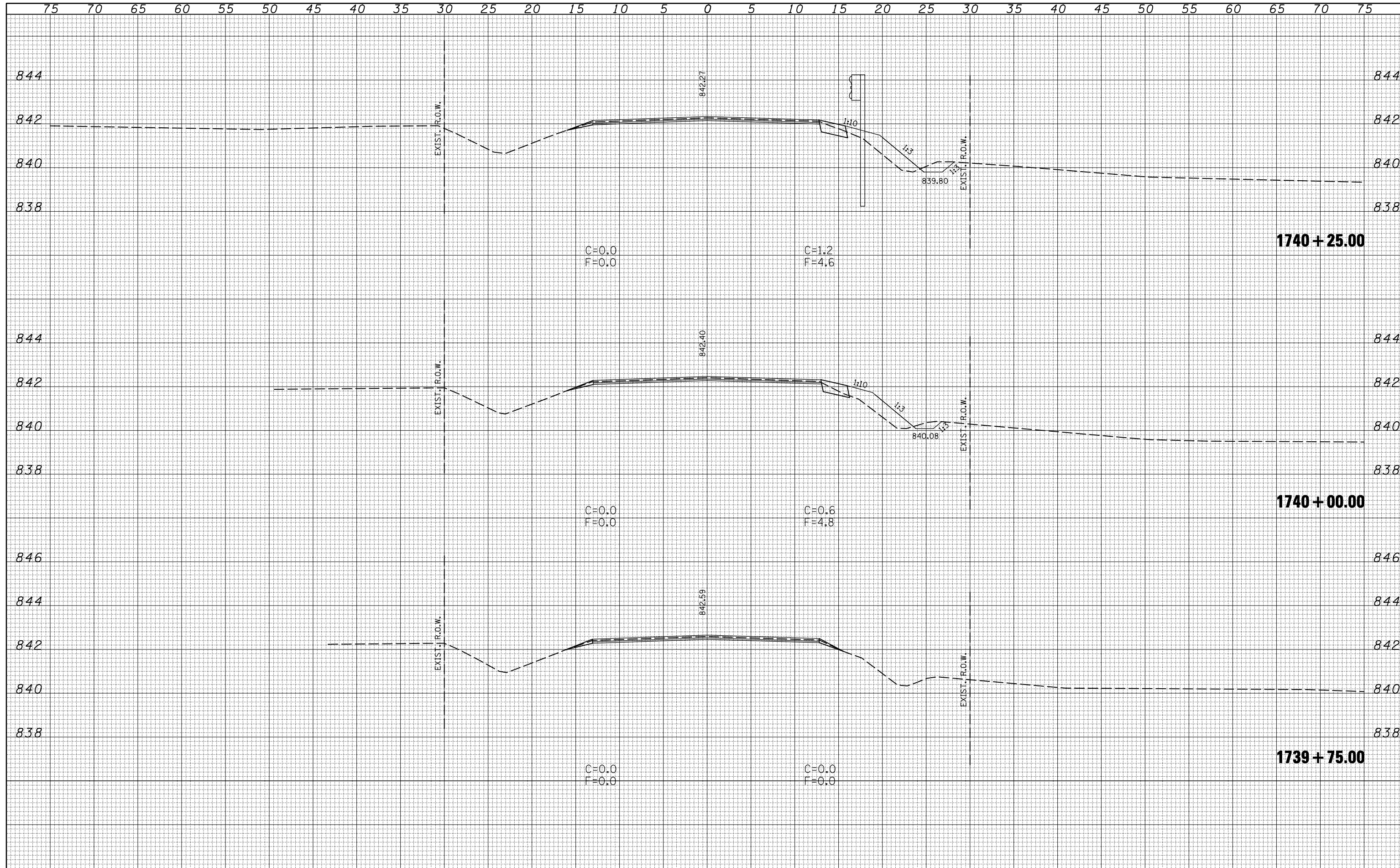


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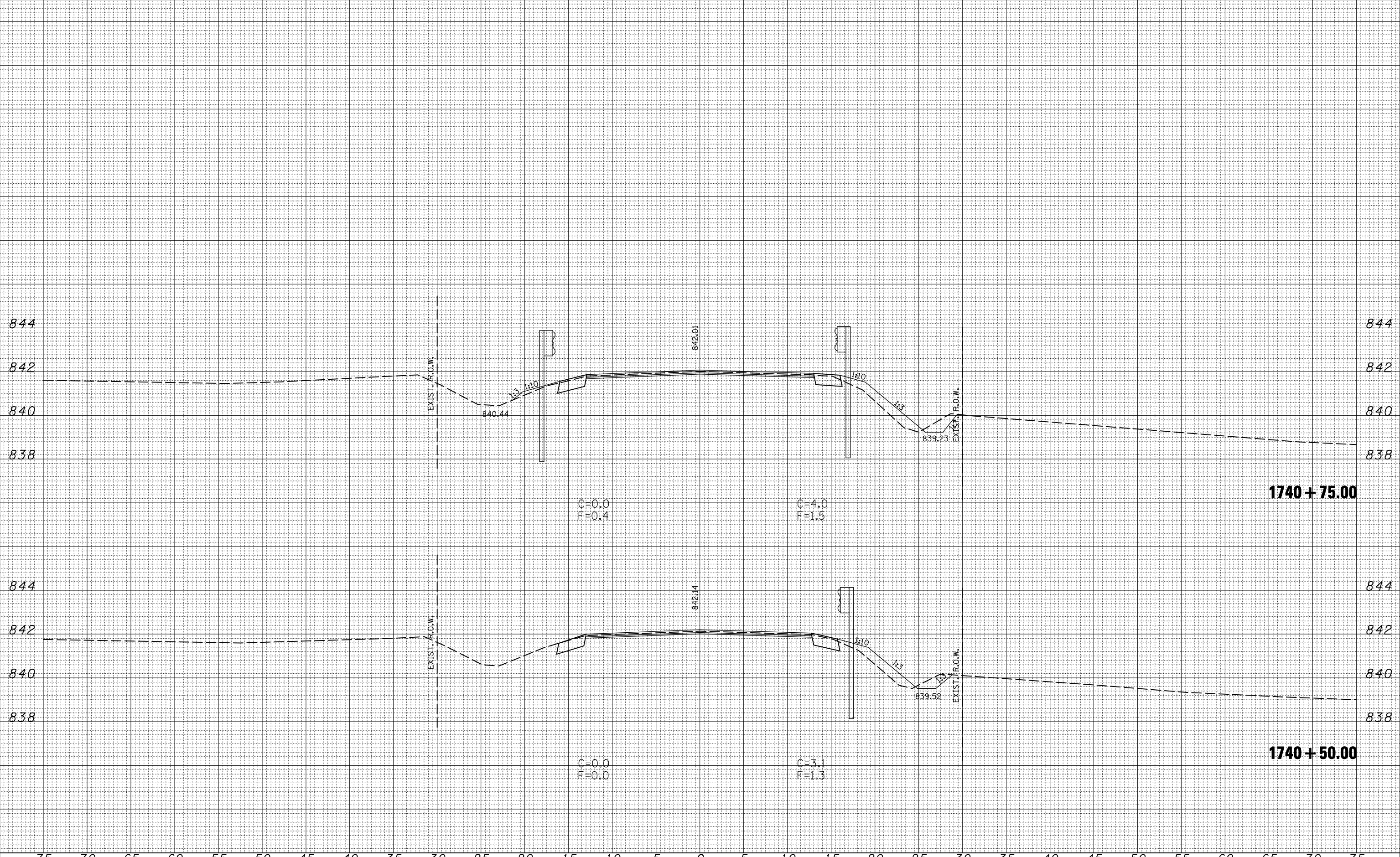


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PLOT DATE = 4/1/2009		DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA. 1739+75.00 TO STA. 1740+25.00	ILLINOIS FED. AID PROJECT			

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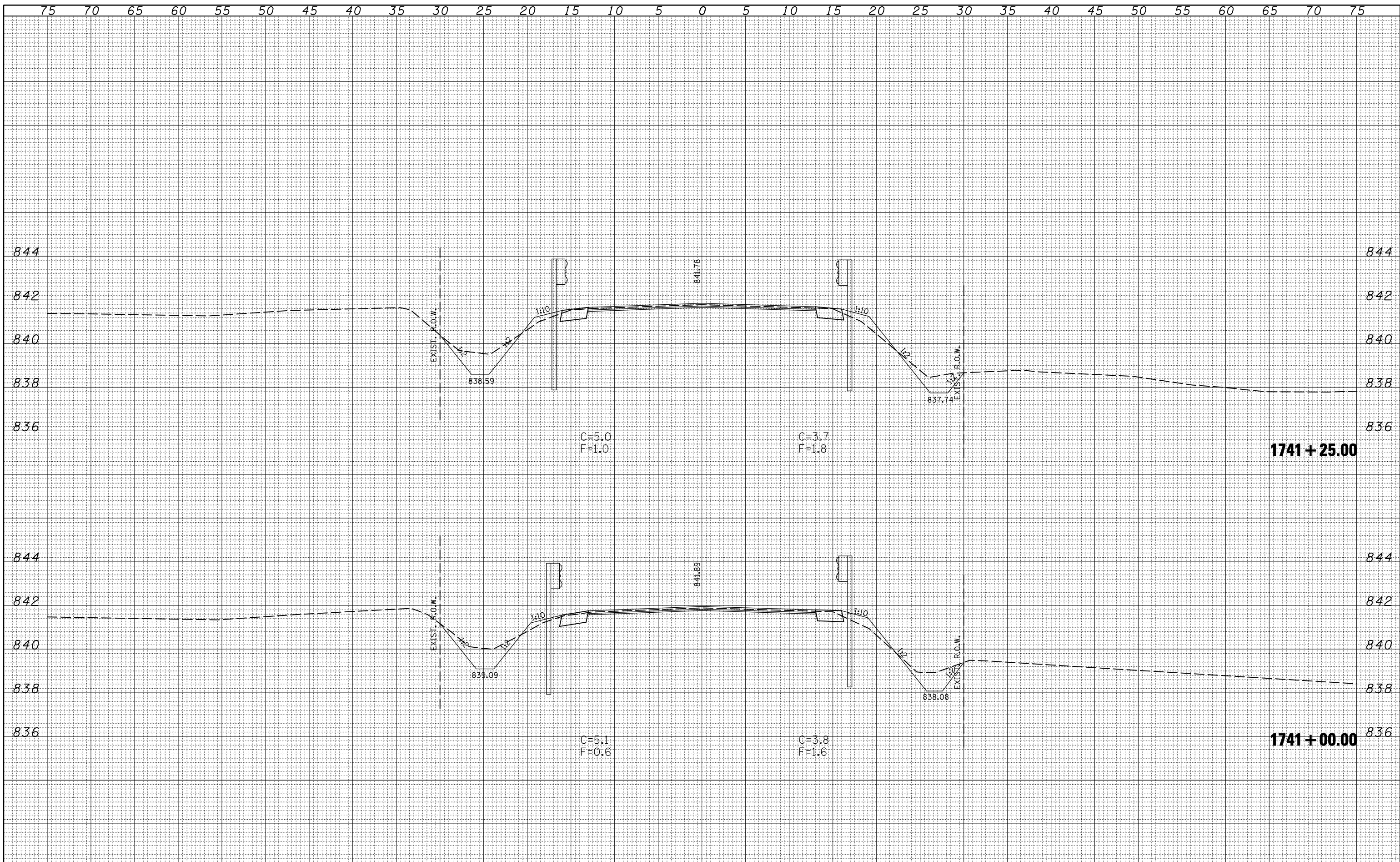


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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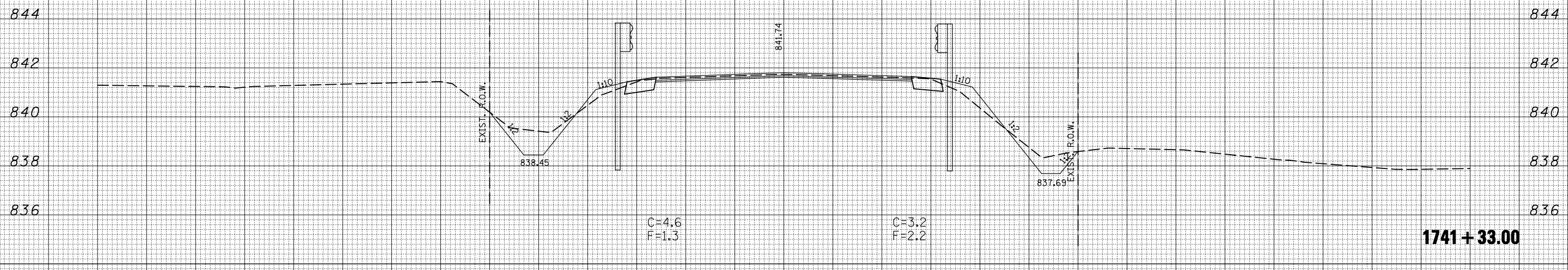
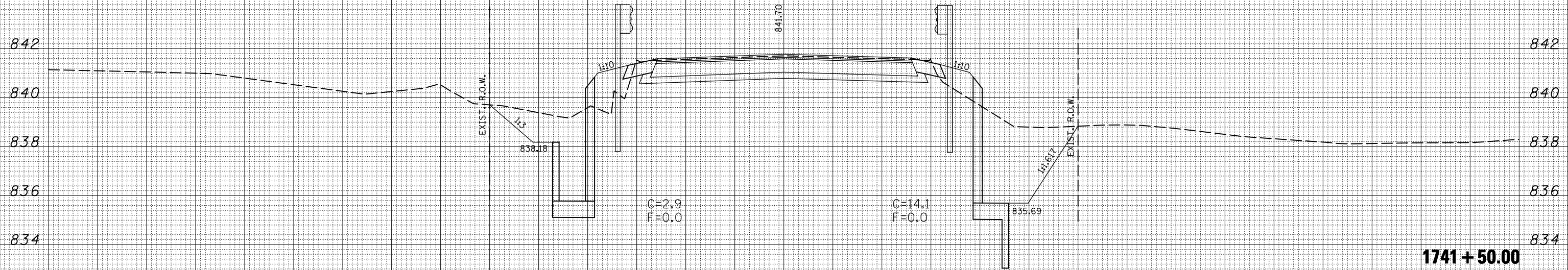


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									SCALE: SHEET NO. OF SHEETS STA. 1741+00.00 TO STA. 1741+25.00				

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

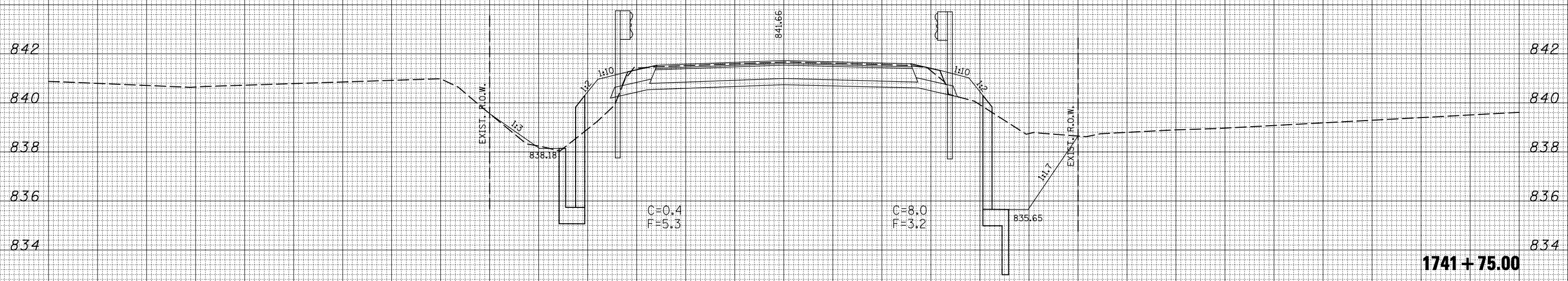
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 1741+33.00 TO STA. 1741+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 70509			ILLINOIS FED. AID PROJECT	

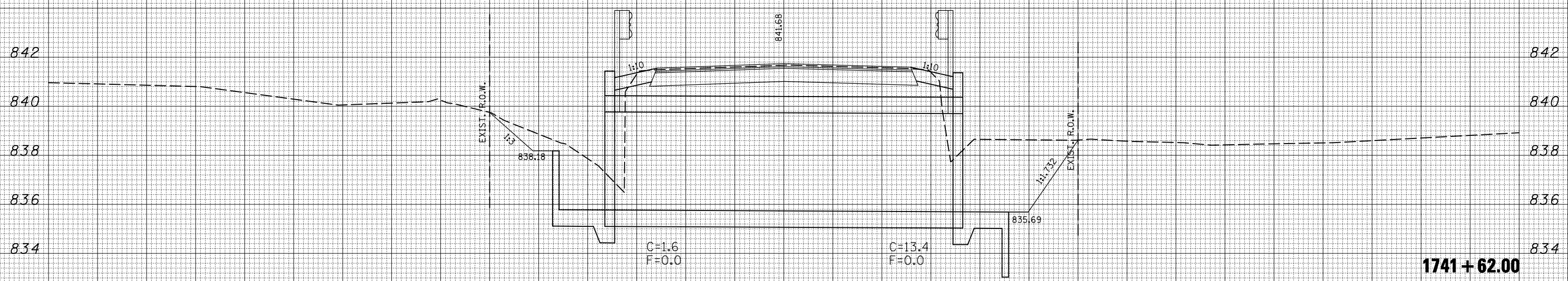
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FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED
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1741 + 75.00

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ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED
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1741 + 62.00

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

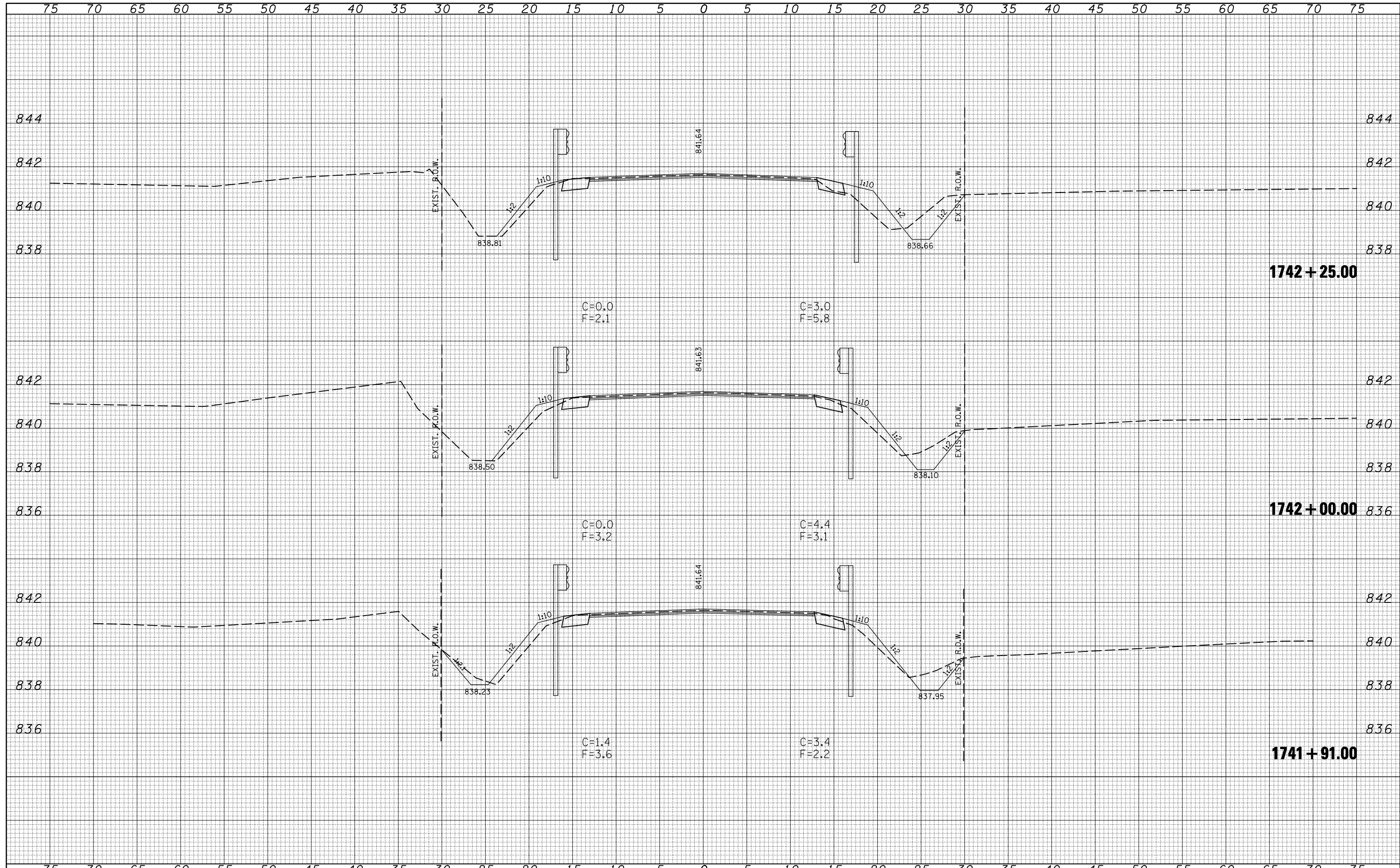
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 1741+62.00 TO STA. 1741+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	70
CONTRACT NO. 70509			ILLINOIS FED. AID PROJECT	

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

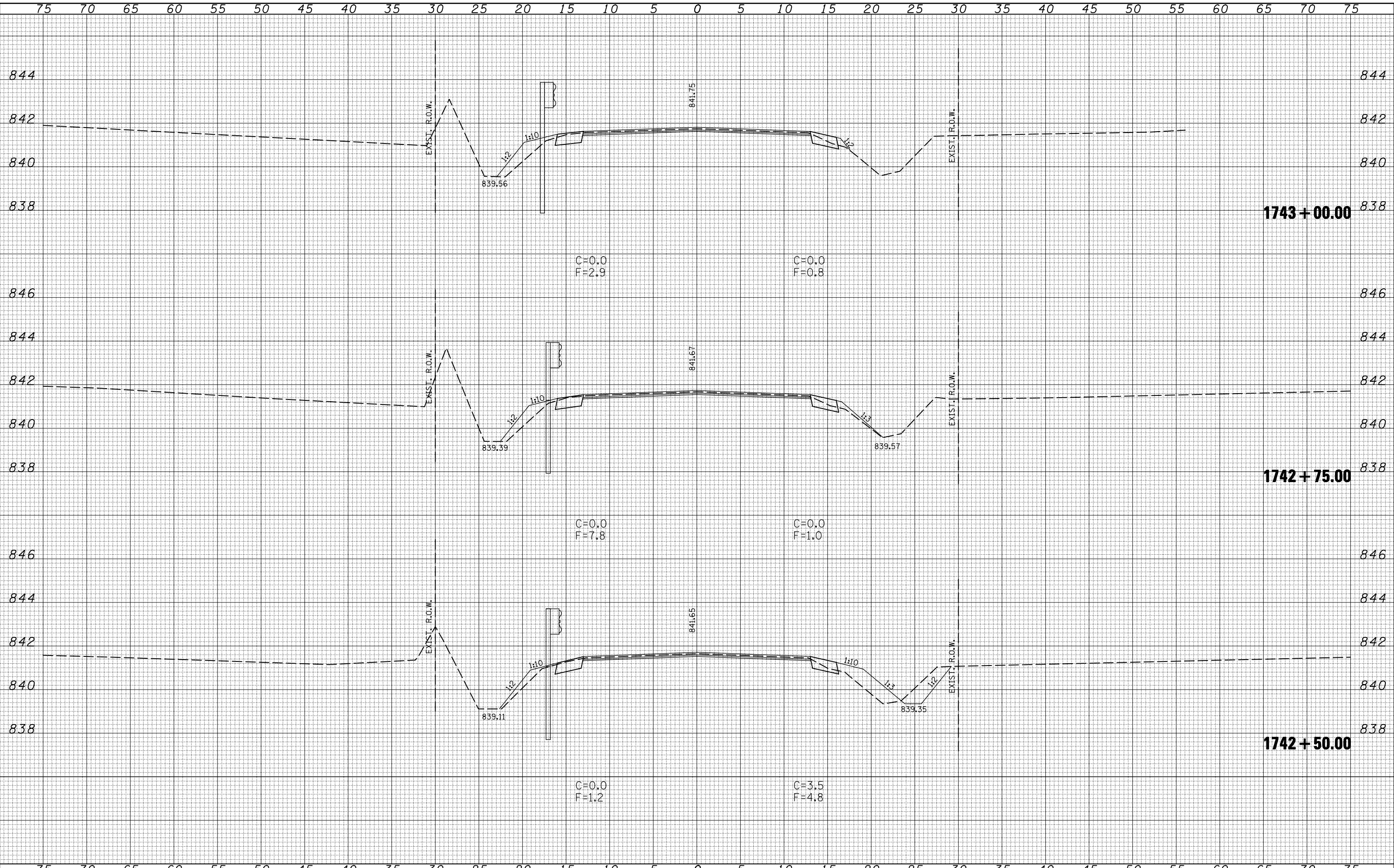
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 1741+91.00 TO STA. 1742+25.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	71
CONTRACT NO. 70509			ILLINOIS FED. AID PROJECT	

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

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



FILE NAME =	USER NAME = carrollrt	DESIGNED -	REVISD -
ca:\pwork\PWIDOT\CARROLLRT\d0104712\70509XSS	sheets-sh1.dgn	DRAWN -	REVISD -
	PLOT SCALE = 10.0000 ' / IN.	CHECKED -	REVISD -
	PLOT DATE = 4/1/2009	DATE -	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. 1742+50.00 TO STA. 1743+00.00

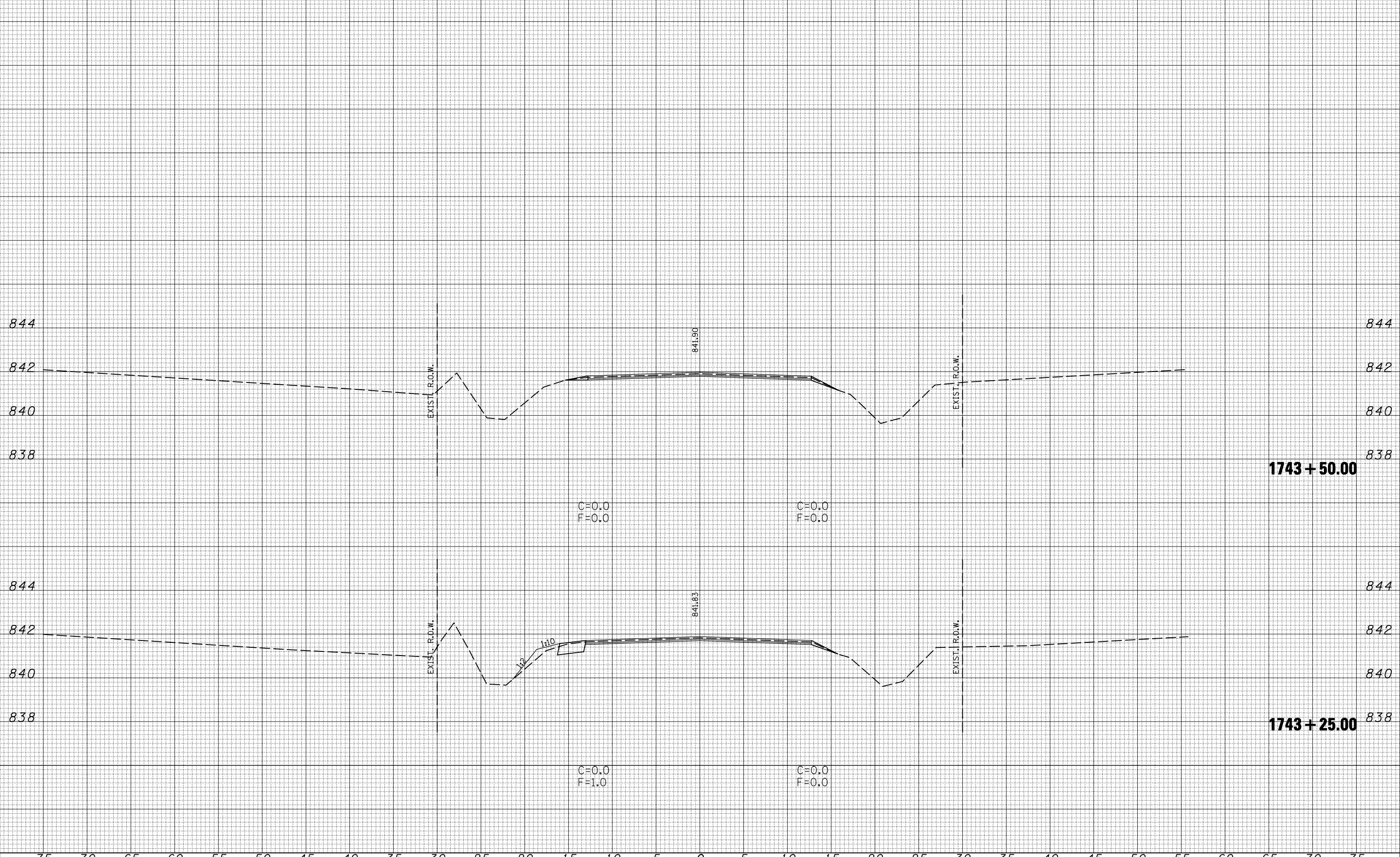
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	72
CONTRACT NO.			70509	

ILLINOIS FED. AID PROJECT

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

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

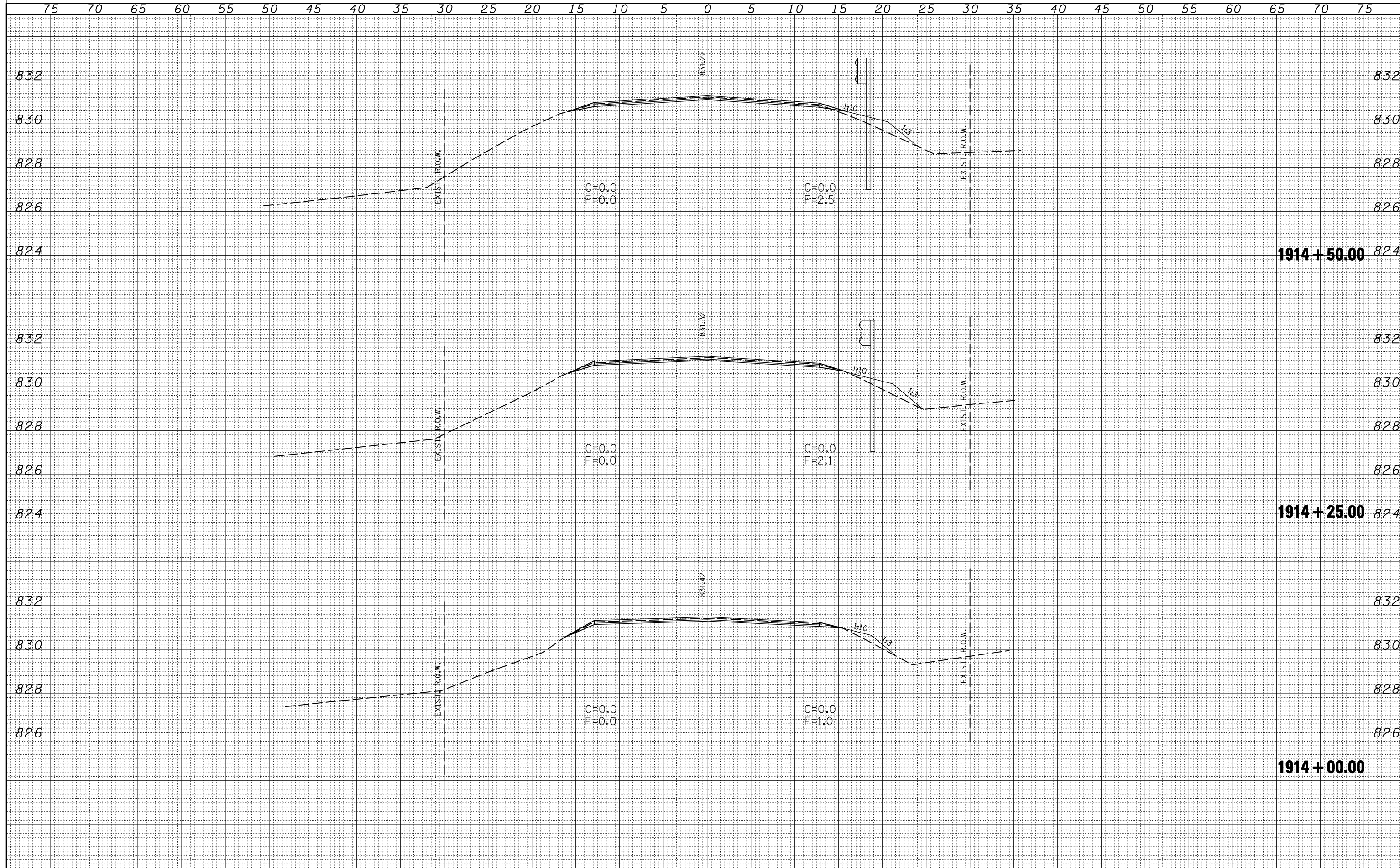
BY	DATE
ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED
NOTE BOOK	TEMPLATE



FILE NAME =	USER NAME = carrollrt	DESIGNED -	REVISED -	<p align="center">STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</p> <p align="center">CROSS SECTIONS</p> <p>SCALE: SHEET NO. OF SHEETS STA. 1743+25.00 TO STA. 1743+50.00</p>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pwwork\PWIDOT\CARROLLRT\d0104712\70509XSSheets-sh1.dgn		DRAWN -	REVISED -		693	(21,22)R,RS-1	MCLEAN	105	73
PLOT SCALE = 10.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 70509				
PLOT DATE = 4/1/2009		DATE -	REVISED -		ILLINOIS FED. AID PROJECT				

DATE	
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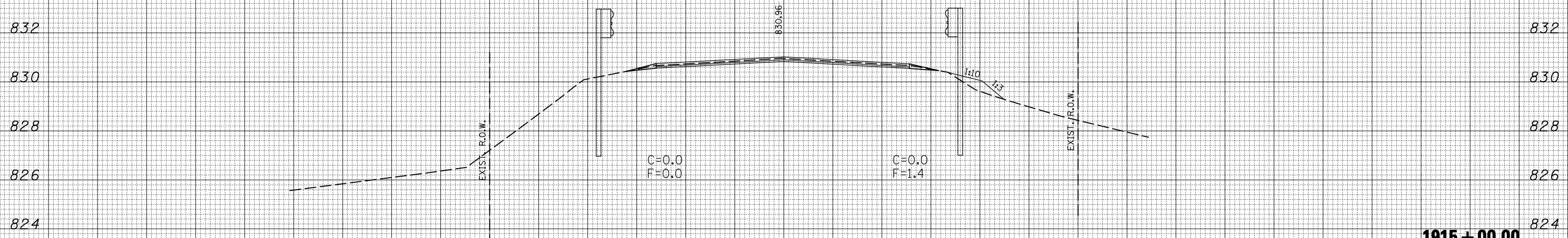
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ORIGINAL SURVEY	
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FILE NAME =	USER NAME = carrollrt	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pw\work\PWIDOT\CARROLLRT\d0104712\70509XSSheets-sh.tdgn		DRAWN -	REVISED -		693	(21,22)R,RS-1	MCLEAN	105	74			
PLOT SCALE = 10.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 70509							
PLOT DATE = 4/1/2009		DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA. 1914+00.00 TO STA. 1914+50.00	ILLINOIS FED. AID PROJECT			

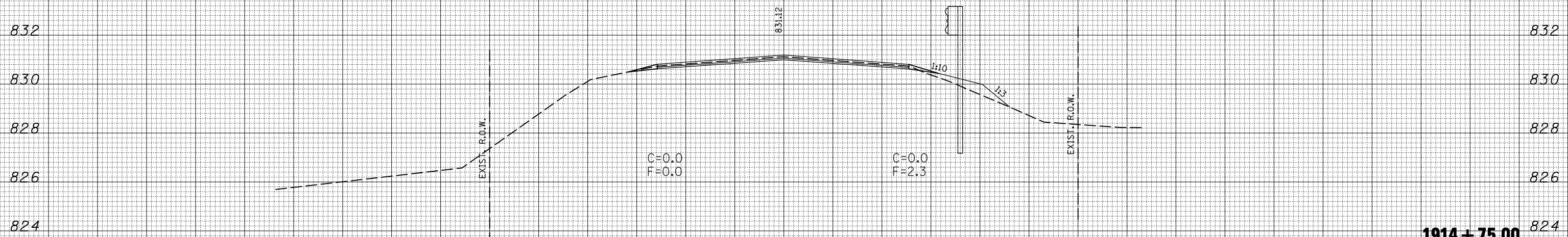
75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

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FINAL SURVEY	
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1915 + 00.00

DATE	
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ORIGINAL SURVEY	
NOTE BOOK	
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1914 + 75.00

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

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USER NAME = corrollrt
 PLOT SCALE = 10.0000' / IN.
 PLOT DATE = 4/1/2009

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

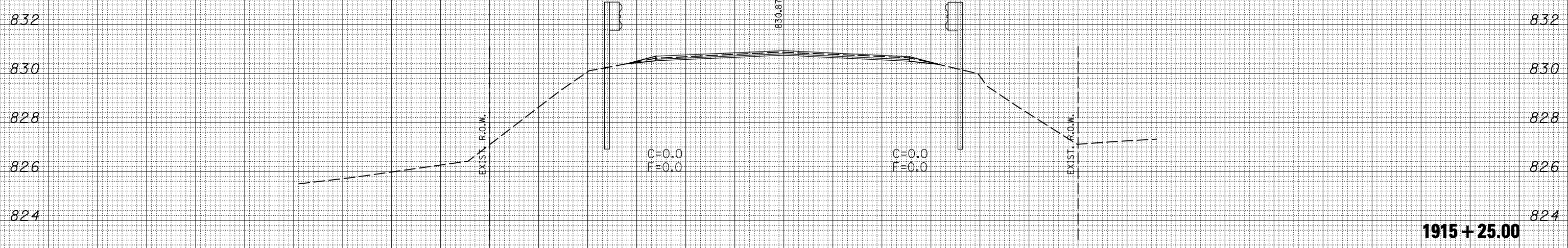
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	75
CONTRACT NO. 70509			ILLINOIS FED. AID PROJECT	

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

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

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



75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

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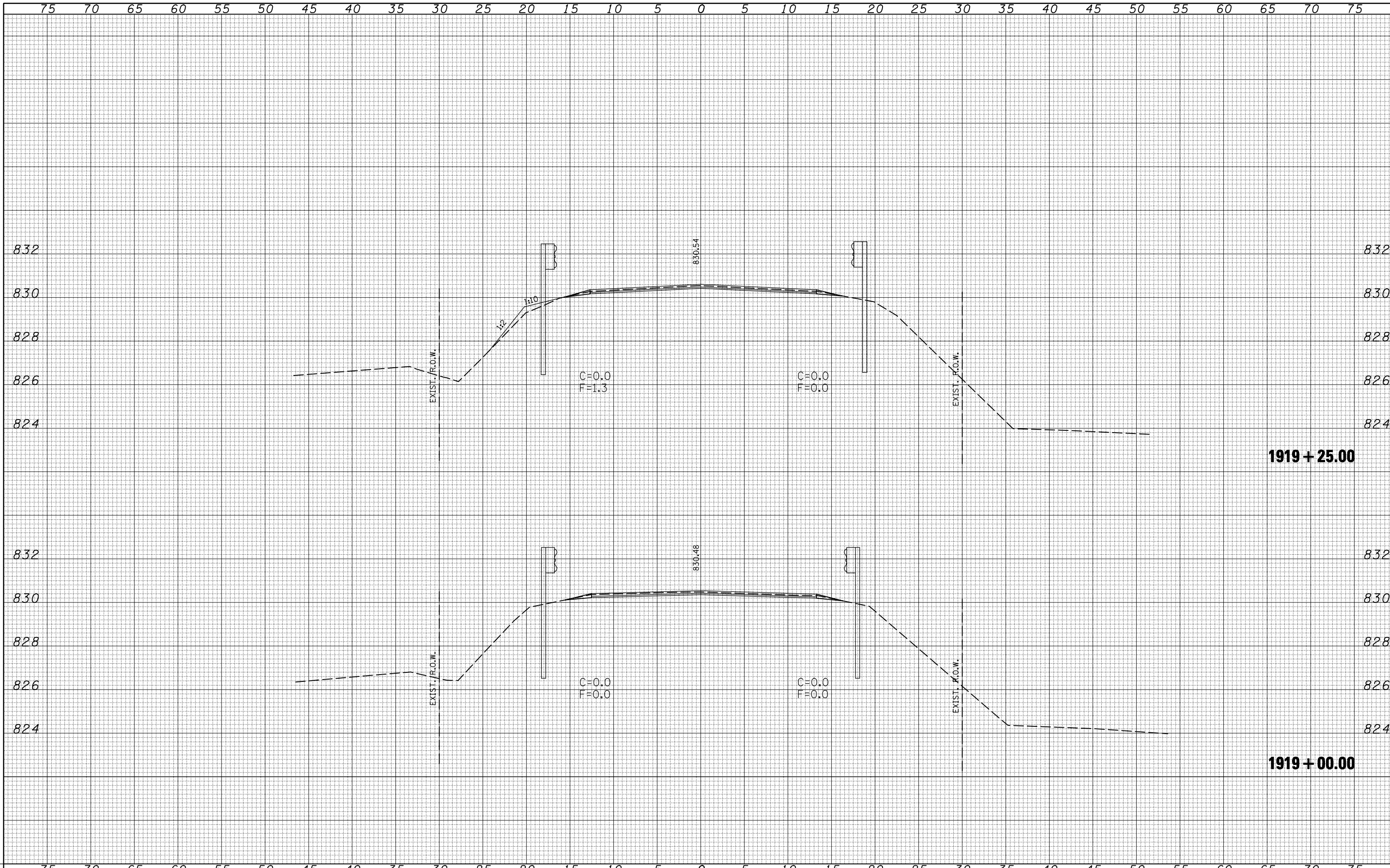
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

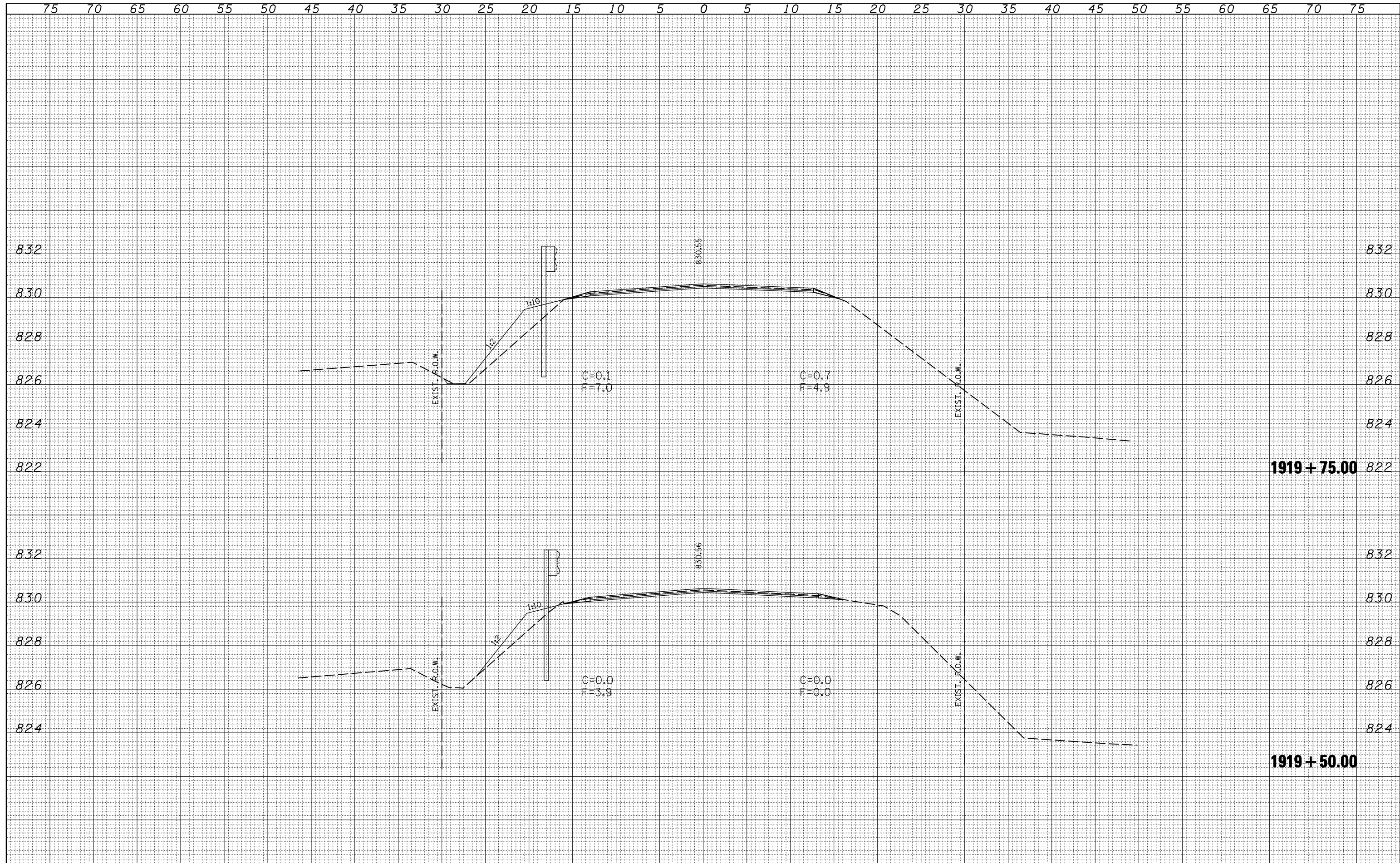
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 1915+25.00 TO STA. 1915+25.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	76
CONTRACT NO. 70509			ILLINOIS FED. AID PROJECT	



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		CHECKED -	REVISED -
		DATE -	REVISED -
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			
CROSS SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. 1919+00.00 TO STA. 1919+25.00
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS
693	(21,22)R,RS-1	MCLEAN	105
			SHEET NO.
			77
			CONTRACT NO. 70509
ILLINOIS FED. AID PROJECT			



BY	DATE
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
No.	TEMPLATE
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FILE NAME =
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 PLOT DATE = 4/1/2009

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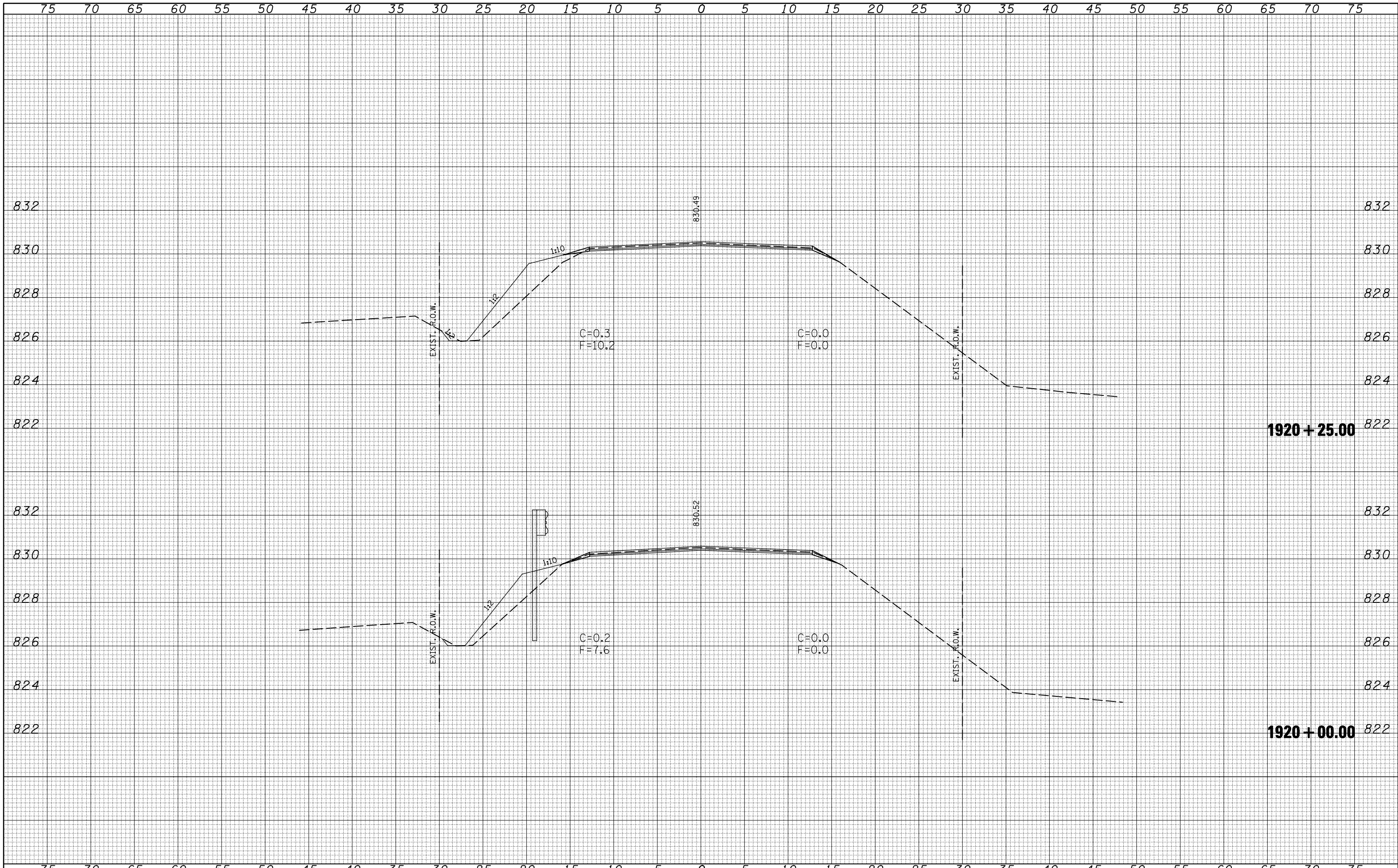
REVISED -
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 1919+50.00 TO STA. 1919+75.00

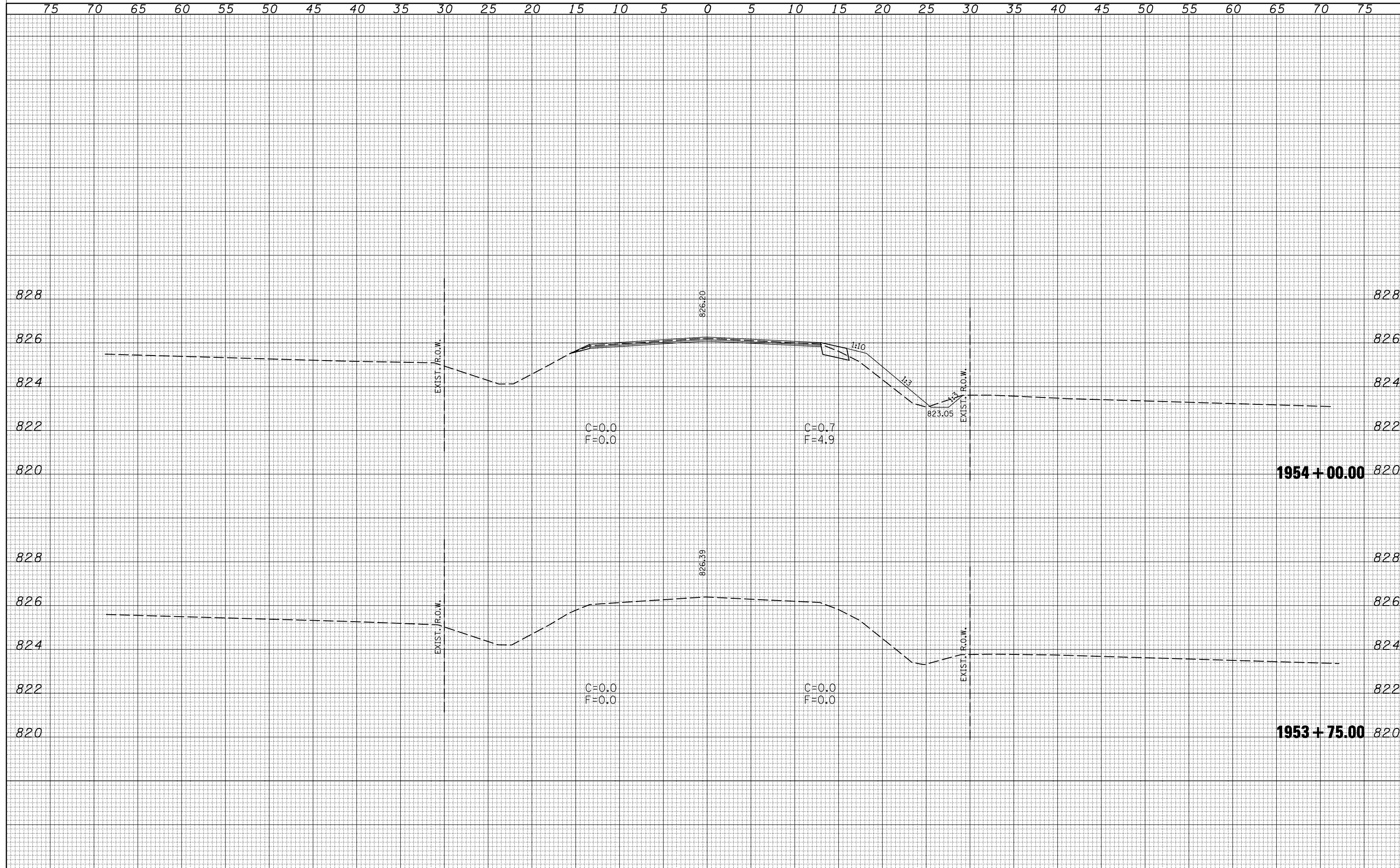
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	78
CONTRACT NO. 70509			ILLINOIS FED. AID PROJECT	



BY	DATE
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS
	CHECKED

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

FILE NAME =	USER NAME = carrollrt	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pwork\PWIDOT\CARROLLRT\d0104712\70509XSSheets-sh1.dgn		DRAWN -	REVISED -		693	(21,22)R,RS-1	MCLEAN	105	79			
PLOT SCALE = 10.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 70509							
PLOT DATE = 4/1/2009		DATE -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA. 1920+00.00 TO STA. 1920+25.00	ILLINOIS FED. AID PROJECT		



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ORIGINAL SURVEY NO.	
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DATE	
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FILE NAME = c:\pwork\PWIDOT\CARROLLRT\0104712\70509XSSheets-sh1.dgn
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 PLOT DATE = 4/1/2009

USER NAME = carrollrt	DESIGNED -	REVISD -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

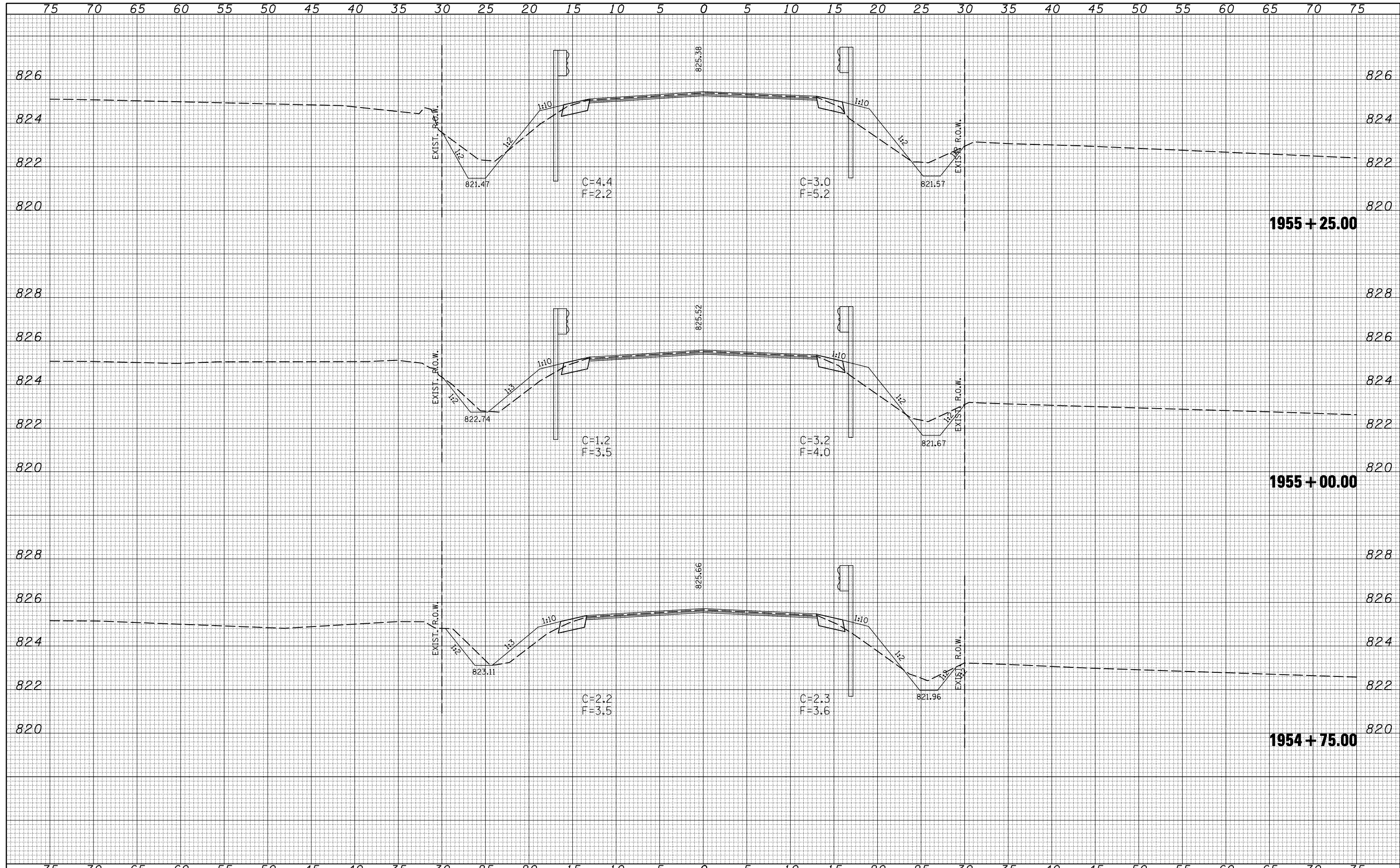
SCALE: SHEET NO. OF SHEETS STA. 1953+75.00 TO STA. 1954+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	80
				CONTRACT NO. 70509

ILLINOIS FED. AID PROJECT

DATE	
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED

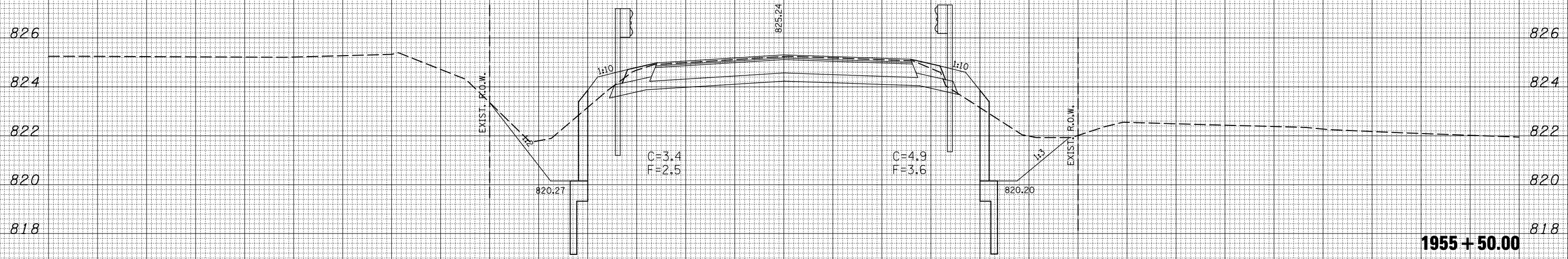
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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FILE NAME =	USER NAME = corrollrt	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS SCALE: SHEET NO. OF SHEETS STA. 1954+75.00 TO STA. 1955+25.00	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 10.0000 ' / IN.		CHECKED -	REVISED -			CONTRACT NO. 70509				
PLOT DATE = 4/1/2009		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

DATE	
BY	
ORIGINAL SURVEY	
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1955 + 50.00

DATE	
BY	
ORIGINAL SURVEY	
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TEMPLATE	
AREAS CHECKED	
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1955 + 33.00

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

FILE NAME =
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

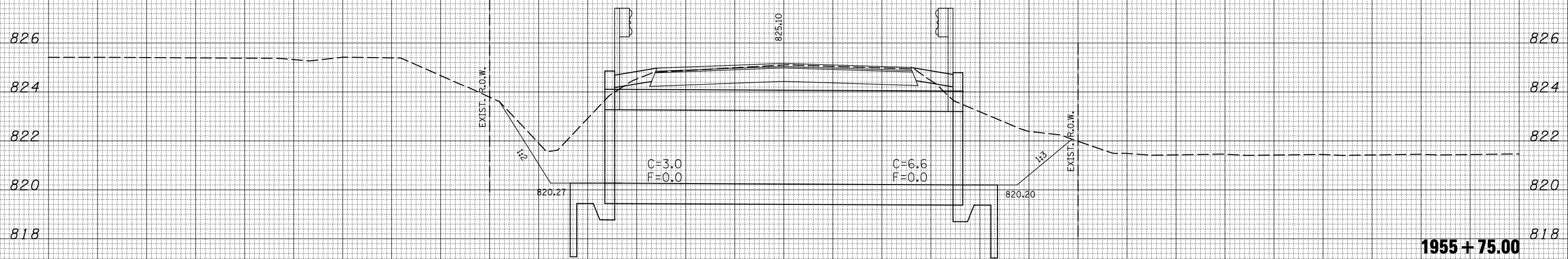
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 1955+33.00 TO STA. 1955+50.00

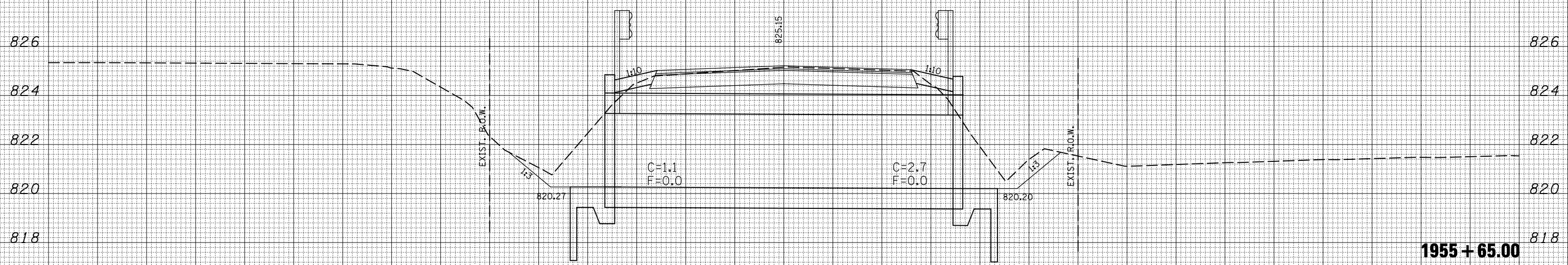
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	83
CONTRACT NO. 70509			ILLINOIS FED. AID PROJECT	

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

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



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

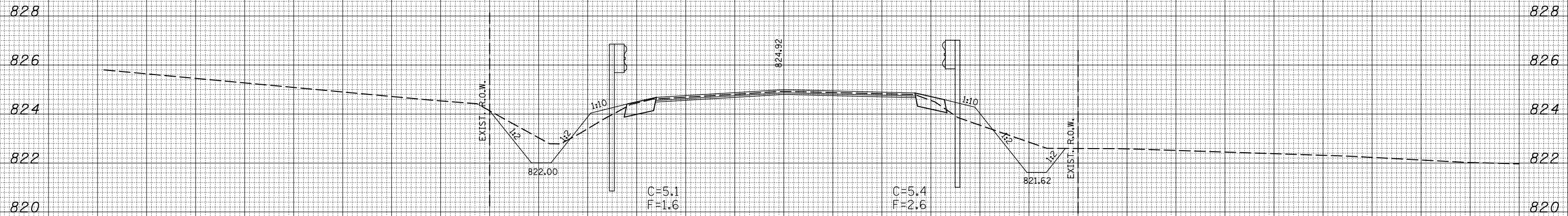
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 1955+65.00 TO STA. 1955+75.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	84
CONTRACT NO. 70509			ILLINOIS FED. AID PROJECT	

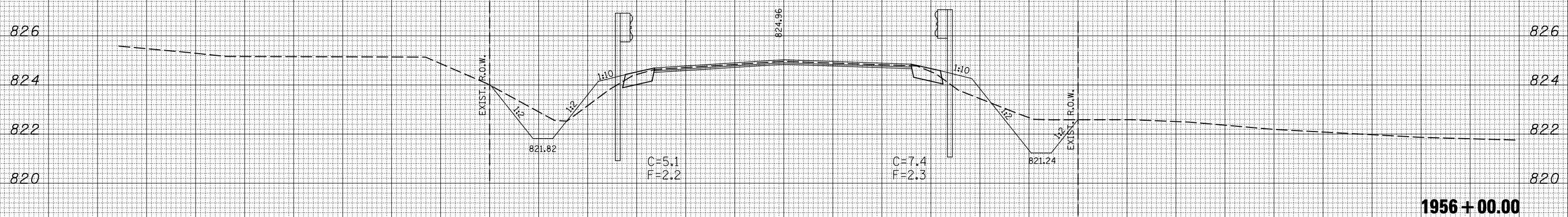
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1956 + 25.00

DATE	
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ORIGINAL SURVEY	
NOTE BOOK	
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1956 + 00.00

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

FILE NAME =
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 1956+00.00 TO STA. 1956+25.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	85
CONTRACT NO. 70509			ILLINOIS FED. AID PROJECT	

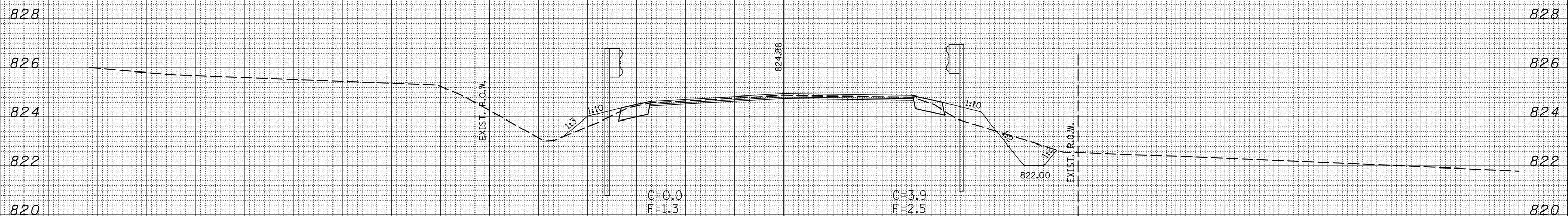
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1956 + 75.00

DATE	
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AREAS CHECKED	
ORIGINAL SURVEY	
NOTE BOOK	
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1956 + 50.00

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

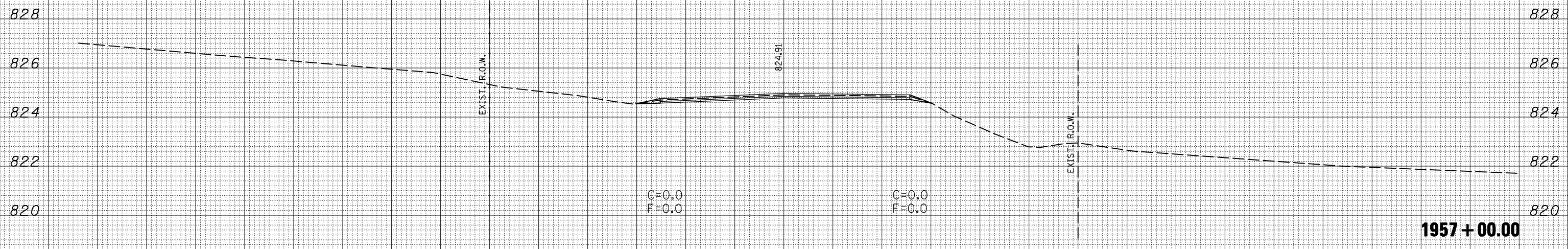
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	86
CONTRACT NO. 70509				
ILLINOIS FED. AID PROJECT				

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

BY	DATE
FINAL SURVEY	SURVEYED
NOTE BOOK NO.	PLOTTED
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK NO.	PLOTTED
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 PLOT DATE = 4/1/2009

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 1957+00.00 TO STA. 1957+00.00

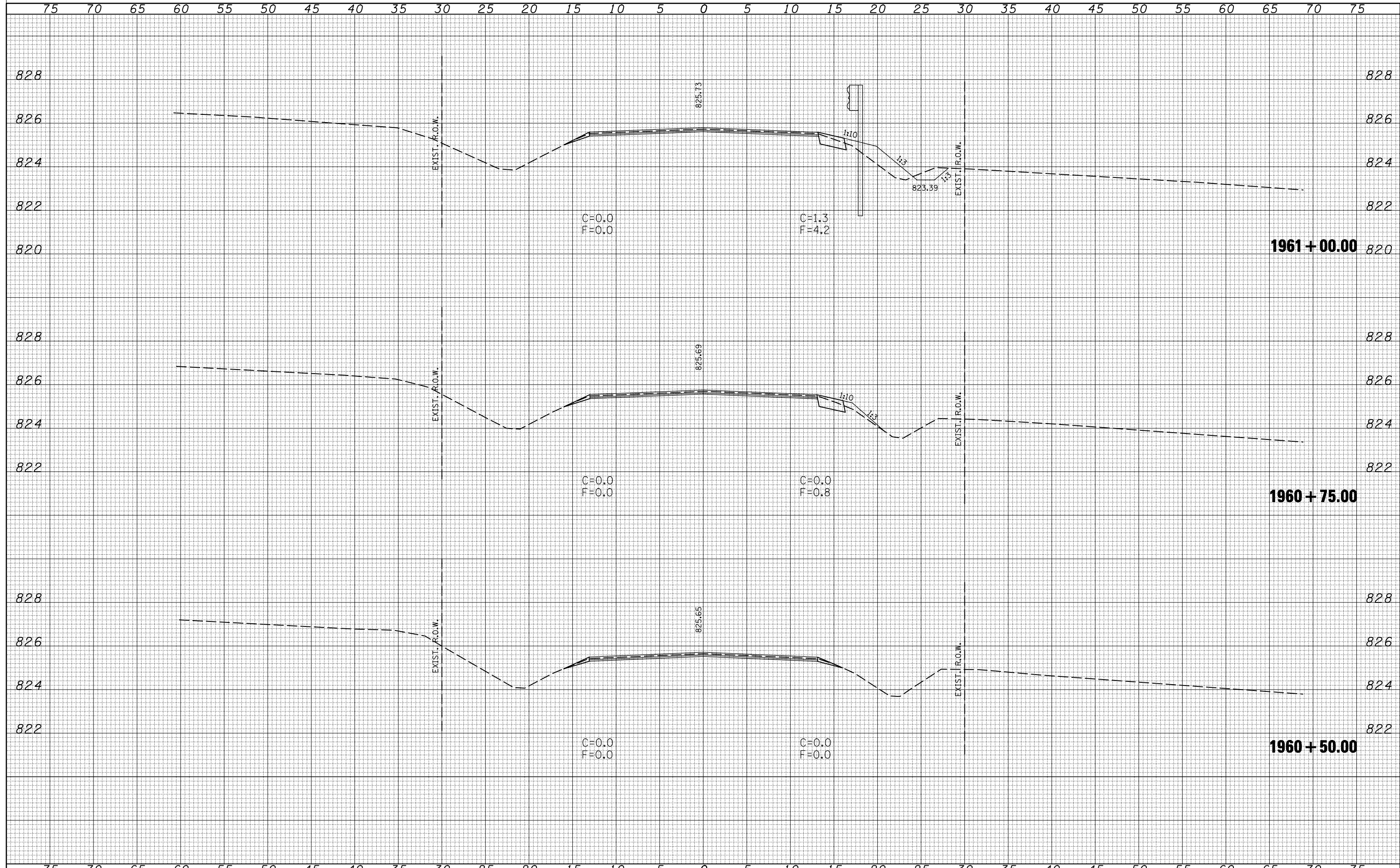
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	87
CONTRACT NO.			70509	

1957+00.00

ILLINOIS FED. AID PROJECT

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FINAL SURVEY	
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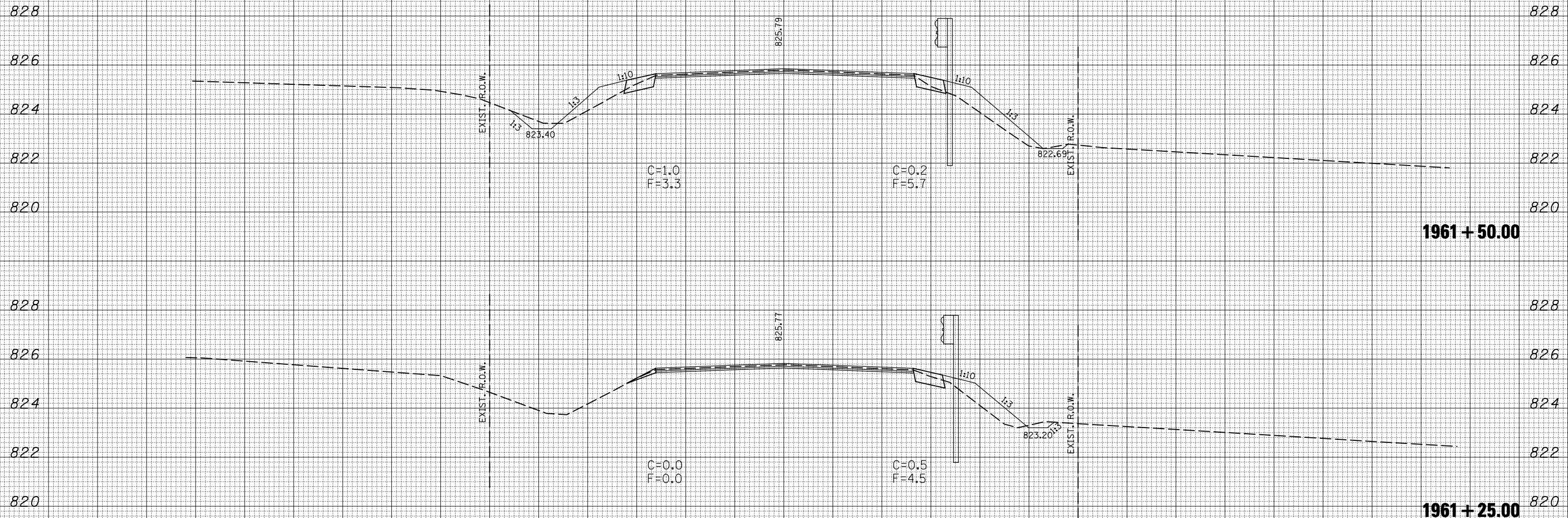


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ca:\pwork\pwork\PWIDOT\CARROLLRT\d0104712\70509XSSheets-shd.dgn		DRAWN -	REVISED -		693	(21,22)R,RS-1	MCLEAN	105	88			
PLOT SCALE = 10.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 70509							
PLOT DATE = 4/1/2009		DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA. 1960+50.00 TO STA. 1961+00.00	ILLINOIS FED. AID PROJECT			

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

BY	DATE

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



75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

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 PLOT DATE = 4/1/2009

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

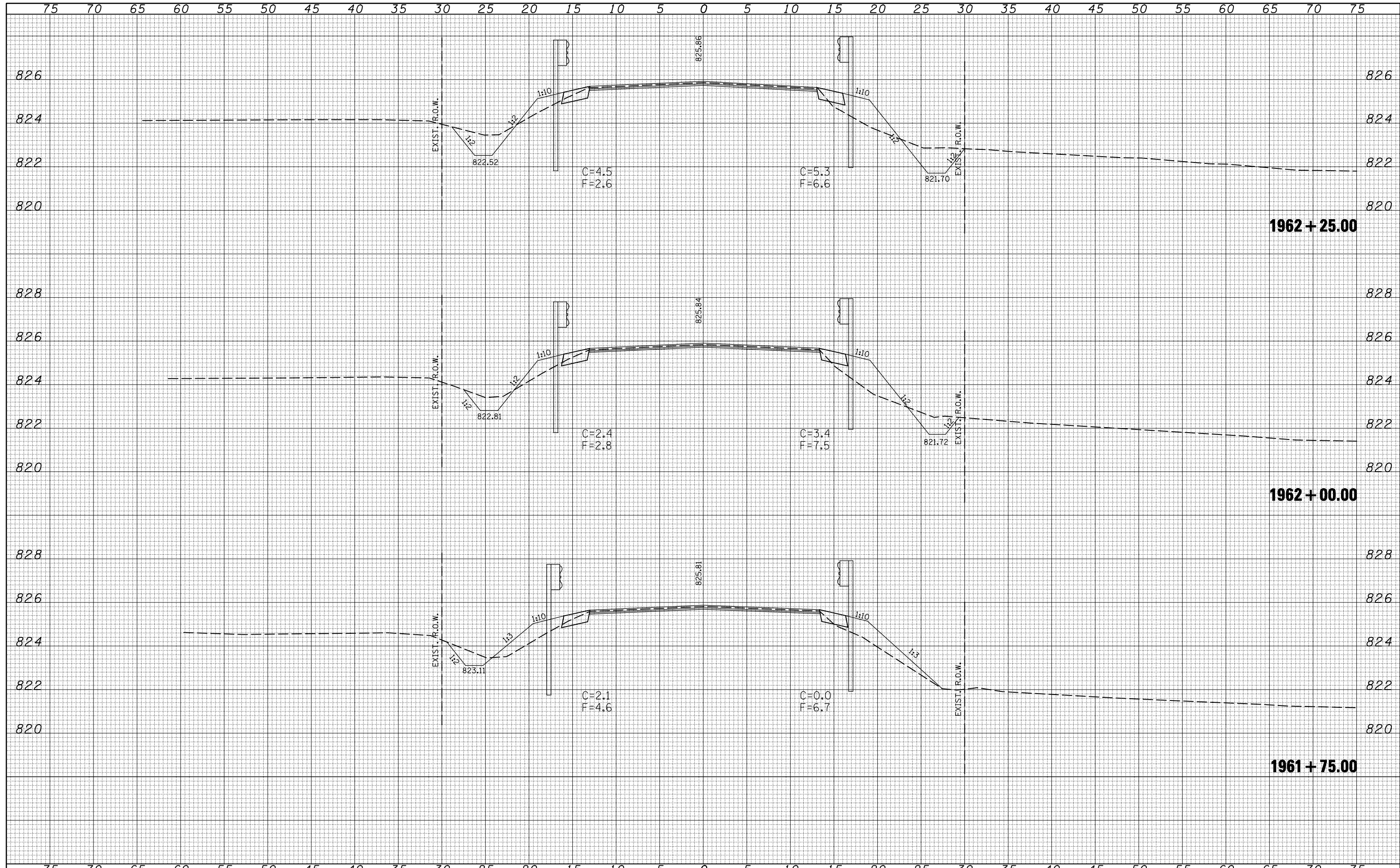
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 1961+25.00 TO STA. 1961+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	89
CONTRACT NO. 70509			ILLINOIS FED. AID PROJECT	

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ORIGINAL SURVEY	
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TEMPLATE	
AREAS	
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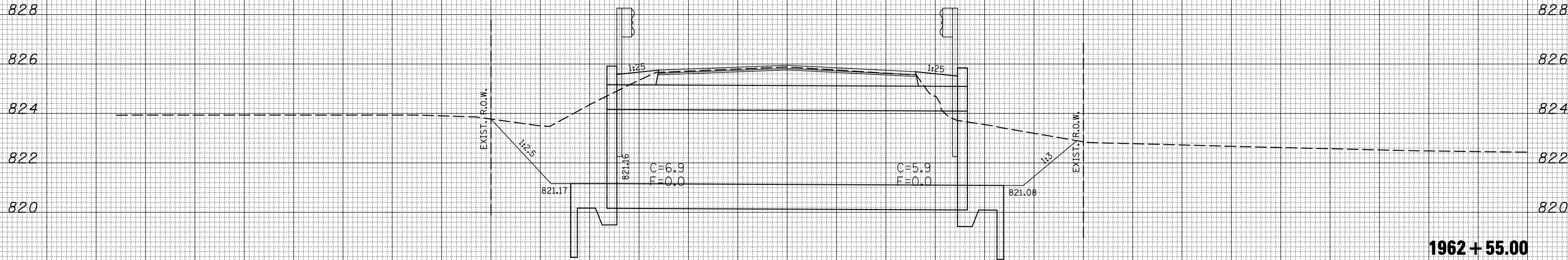
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SURVEYED	
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TEMPLATE	
AREAS	
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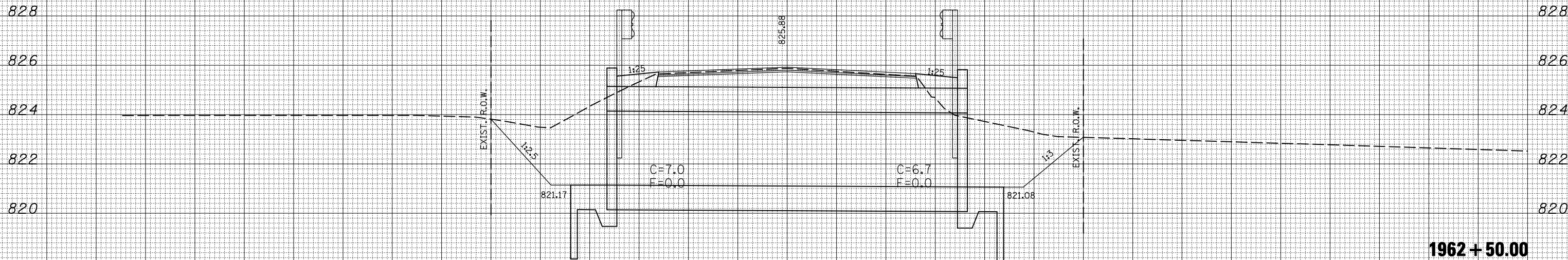
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PLOT SCALE = 10.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 70509						
PLOT DATE = 4/1/2009		DATE -	REVISED -		ILLINOIS FED. AID PROJECT						
				SCALE:	SHEET NO.	OF	SHEETS	STA. 1961+75.00	TO STA. 1962+25.00		

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

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



DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	



75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

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USER NAME = carrollrt
 PLOT SCALE = 10.0000' / IN.
 PLOT DATE = 4/1/2009

DESIGNED -
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

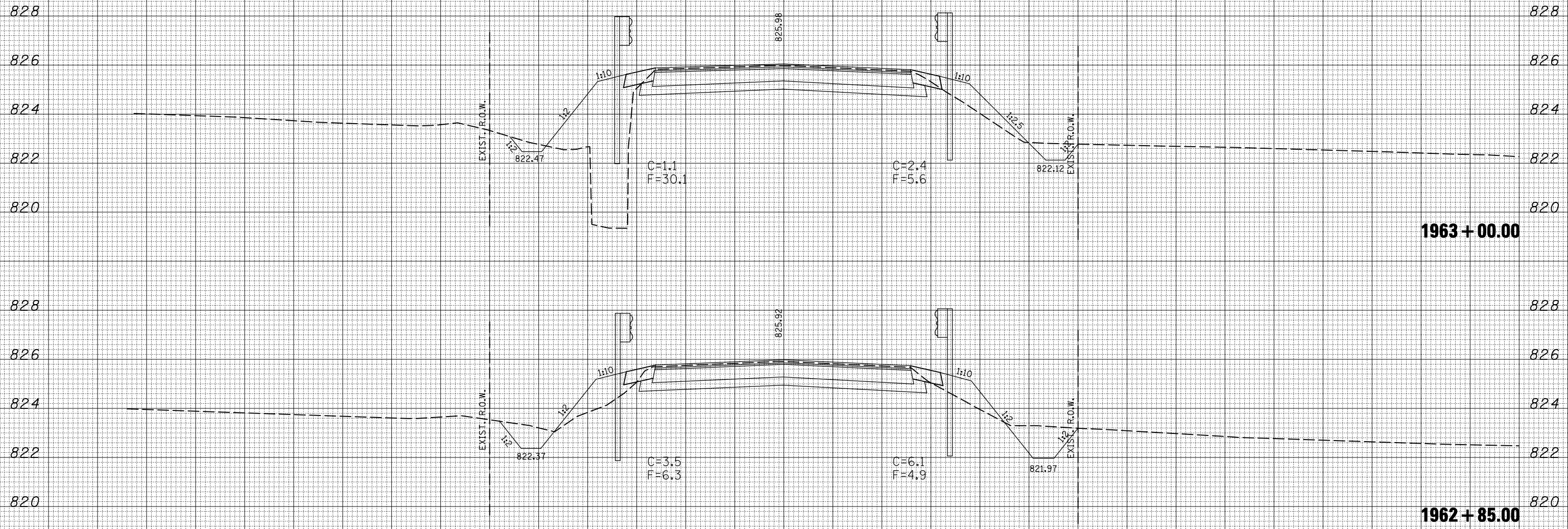
SCALE: SHEET NO. OF SHEETS STA. 1962+50.00 TO STA. 1962+55.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	91
CONTRACT NO. 70509			ILLINOIS FED. AID PROJECT	

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

BY	DATE

BY	DATE



75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

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PLOT SCALE = 10.0000' / IN.
 PLOT DATE = 4/1/2009

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

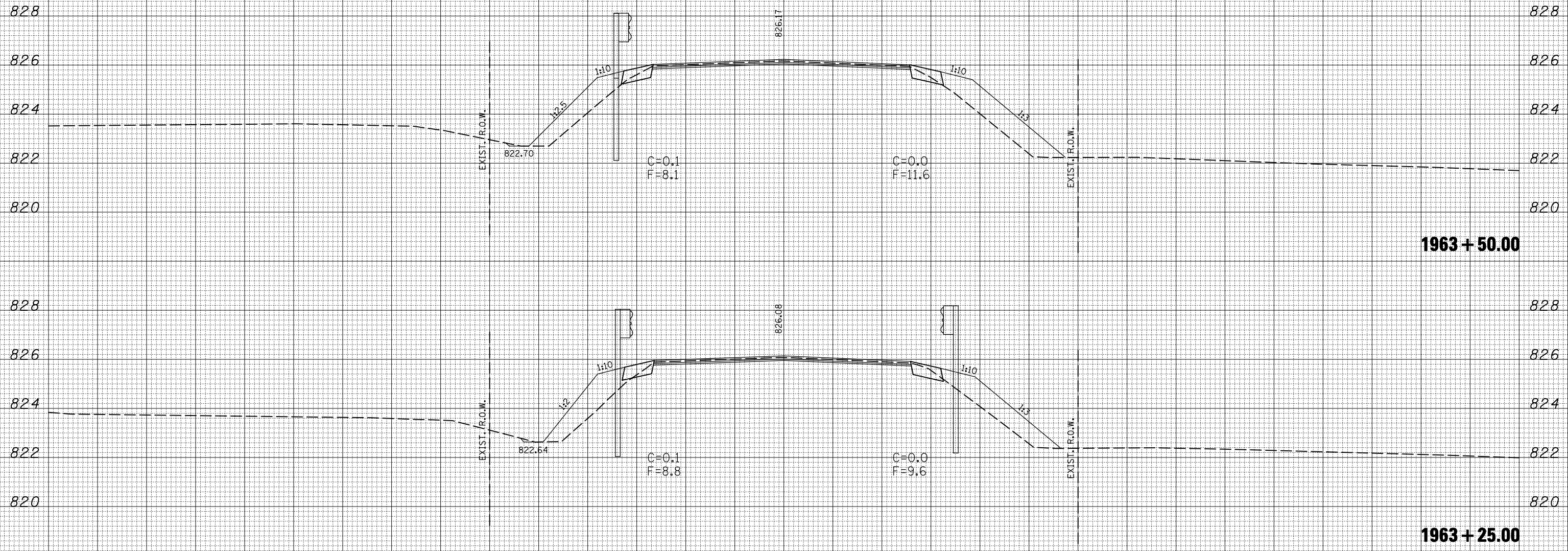
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	93
CONTRACT NO. 70509			ILLINOIS FED. AID PROJECT	

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

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

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



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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

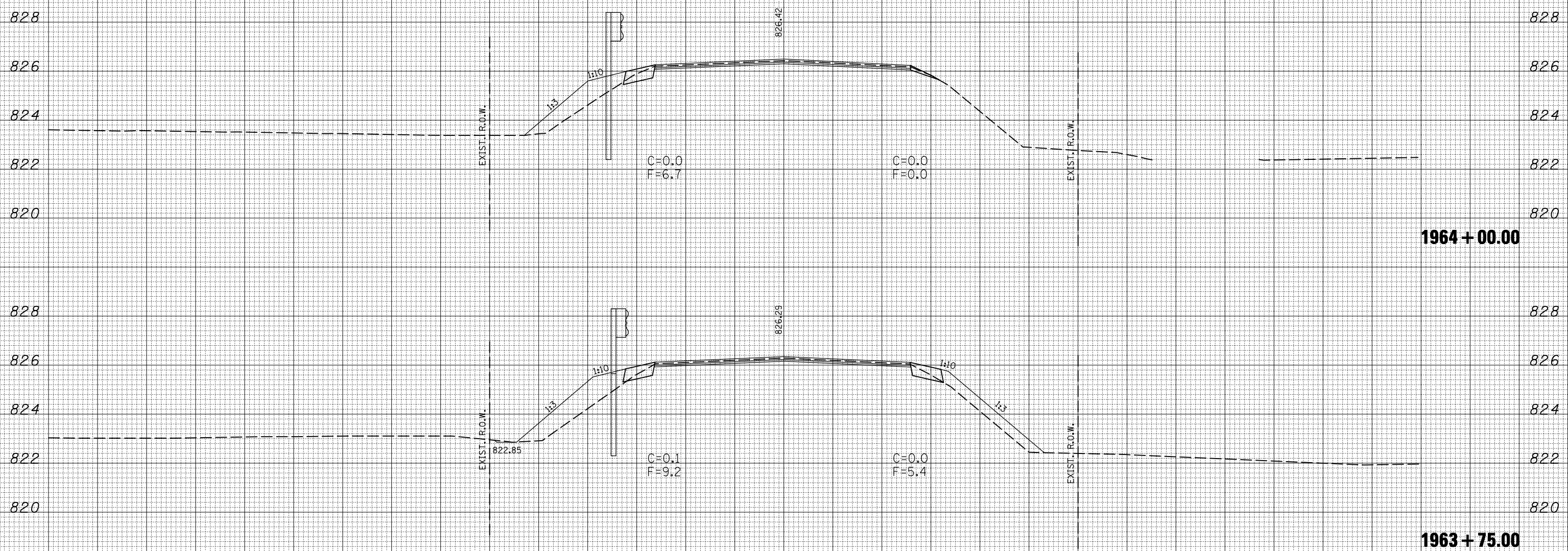
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	94
CONTRACT NO. 70509			ILLINOIS FED. AID PROJECT	

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

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

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



75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

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 PLOT SCALE = 10.0000' / IN.
 PLOT DATE = 4/1/2009

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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

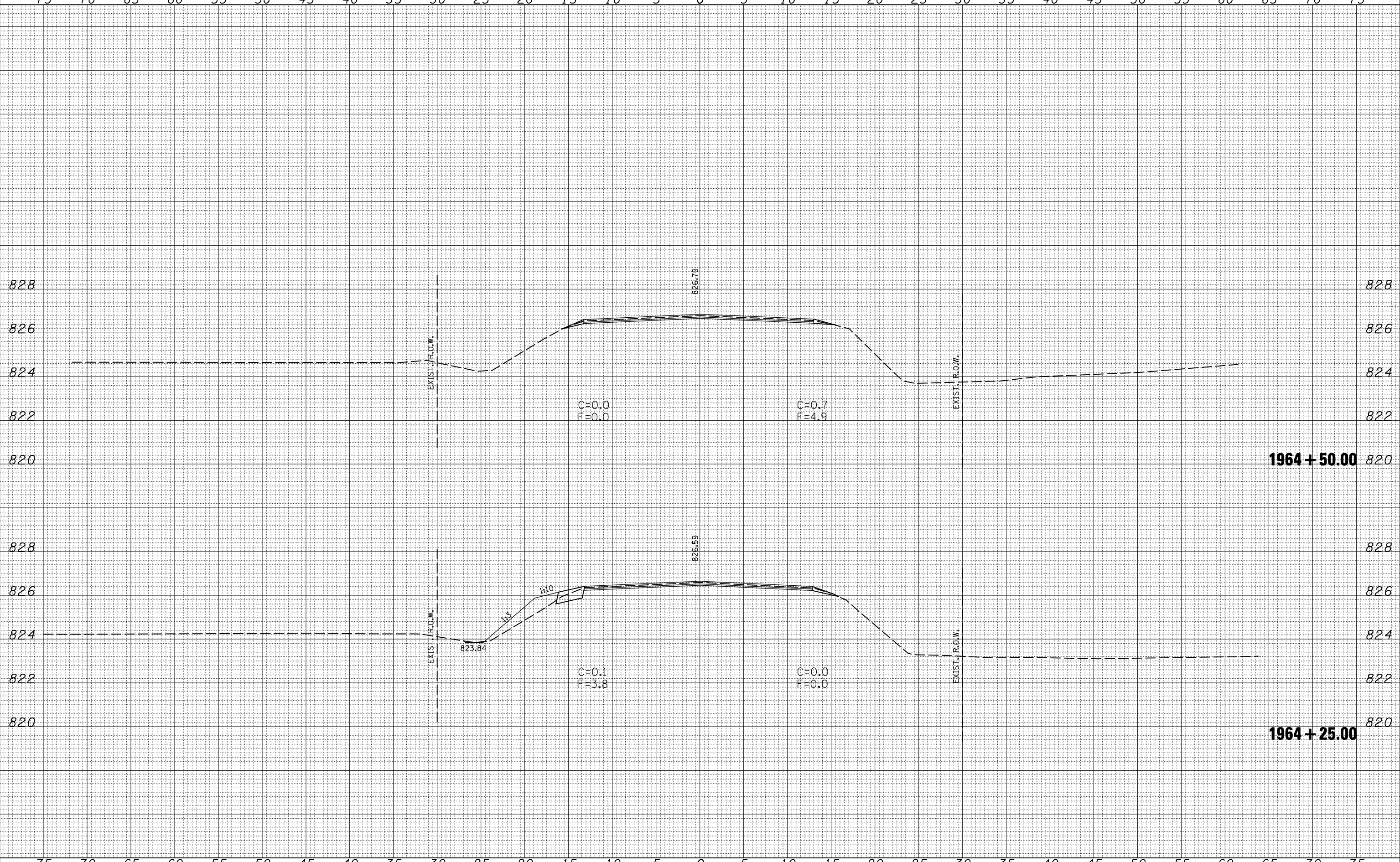
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	95
CONTRACT NO. 70509			ILLINOIS FED. AID PROJECT	

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

BY	DATE

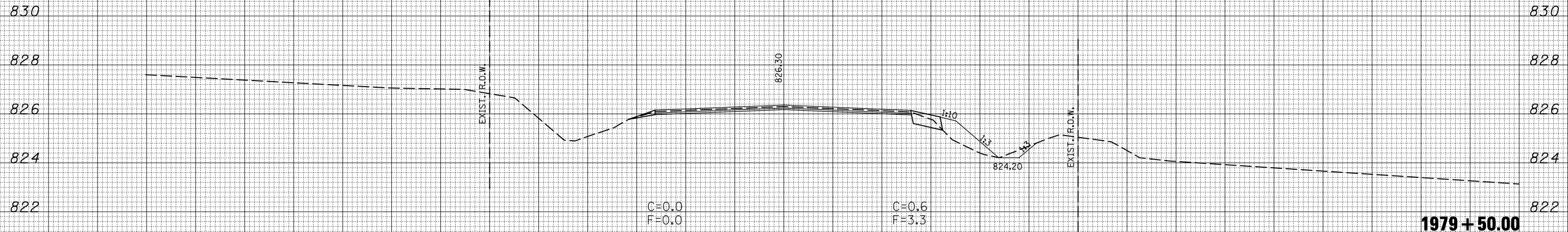
BY	DATE



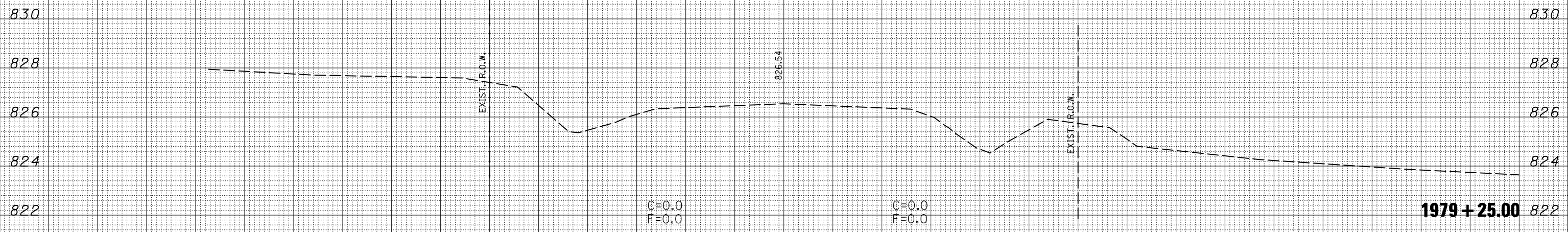
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PLOT SCALE = 10.0000 ' / IN.	CHECKED -	REVISED -	ILLINOIS FED. AID PROJECT									
PLOT DATE = 4/1/2009	DATE -	REVISED -	SCALE: SHEET NO. OF SHEETS STA. 1964+25.00 TO STA. 1964+50.00									

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

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



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



75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

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 PLOT DATE = 4/1/2009

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

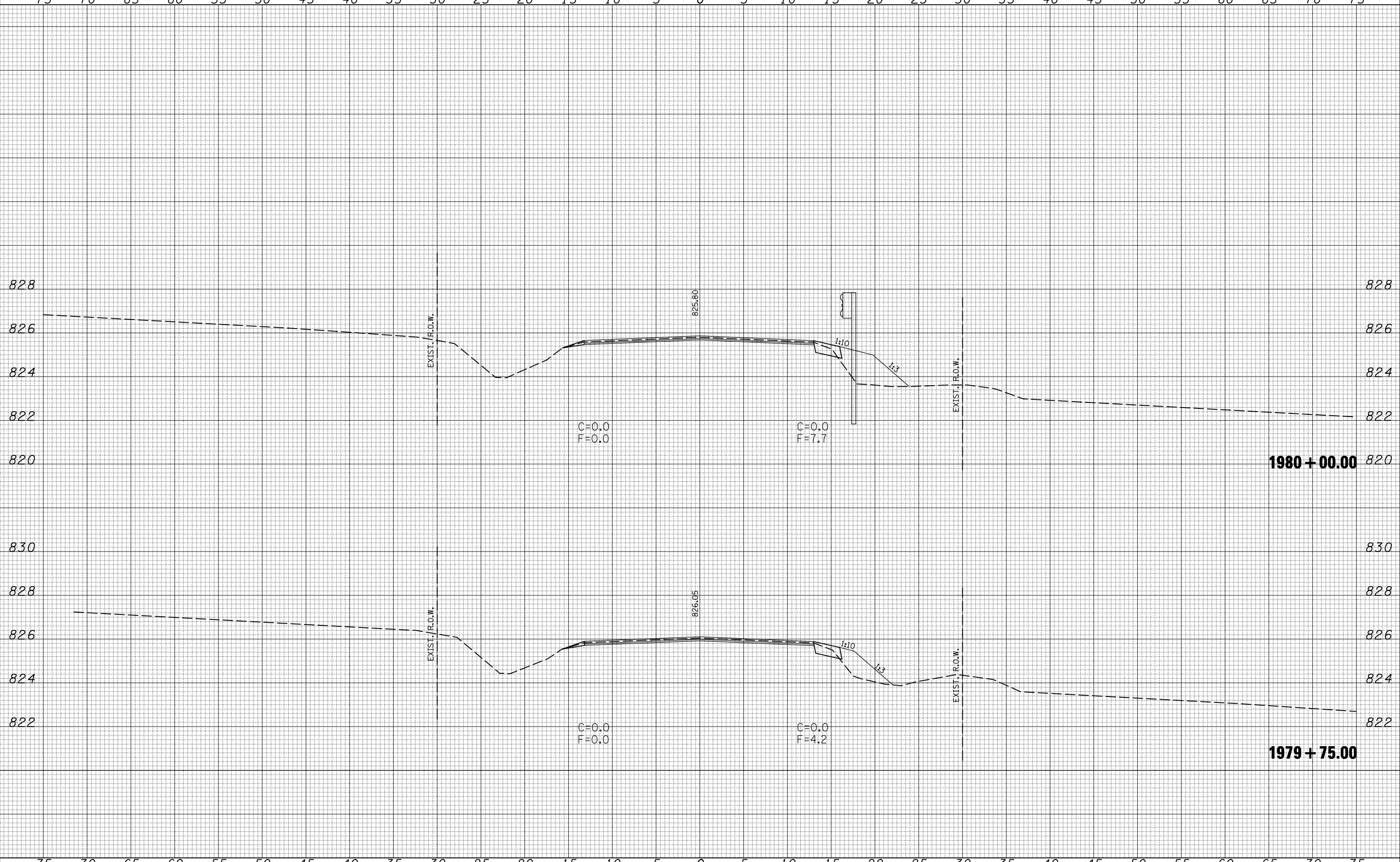
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693	(21,22)R,RS-1	MCLEAN	105	97
CONTRACT NO. 70509			ILLINOIS FED. AID PROJECT	

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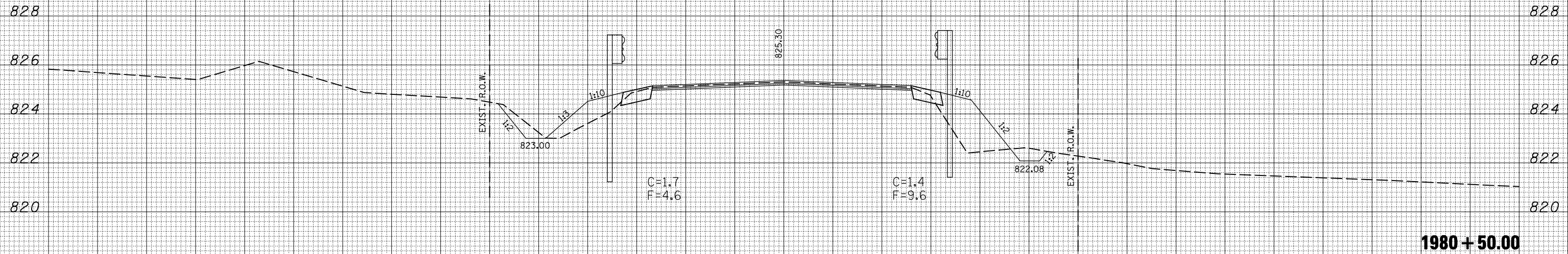
BY	DATE
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED

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



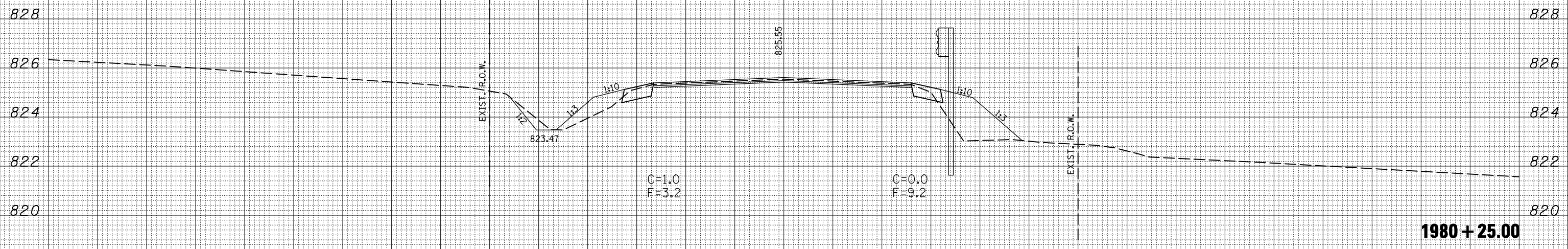
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BY	DATE
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



1980 + 50.00

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



1980 + 25.00

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

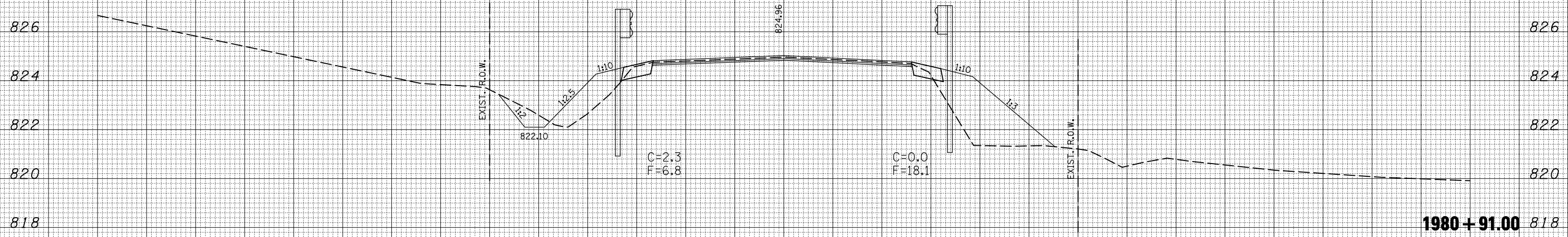
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SCALE: SHEET NO. OF SHEETS STA. 1980+25.00 TO STA. 1980+50.00

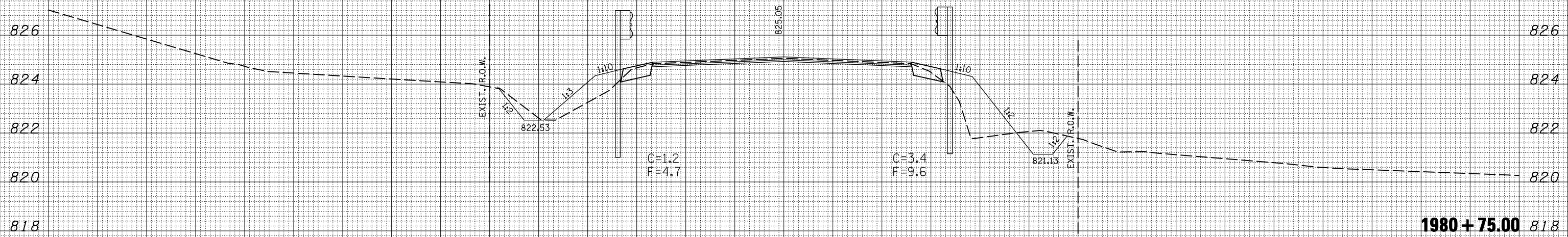
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	99
CONTRACT NO. 70509			ILLINOIS FED. AID PROJECT	

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

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



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



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PLLOT DATE = 4/1/2009

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STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

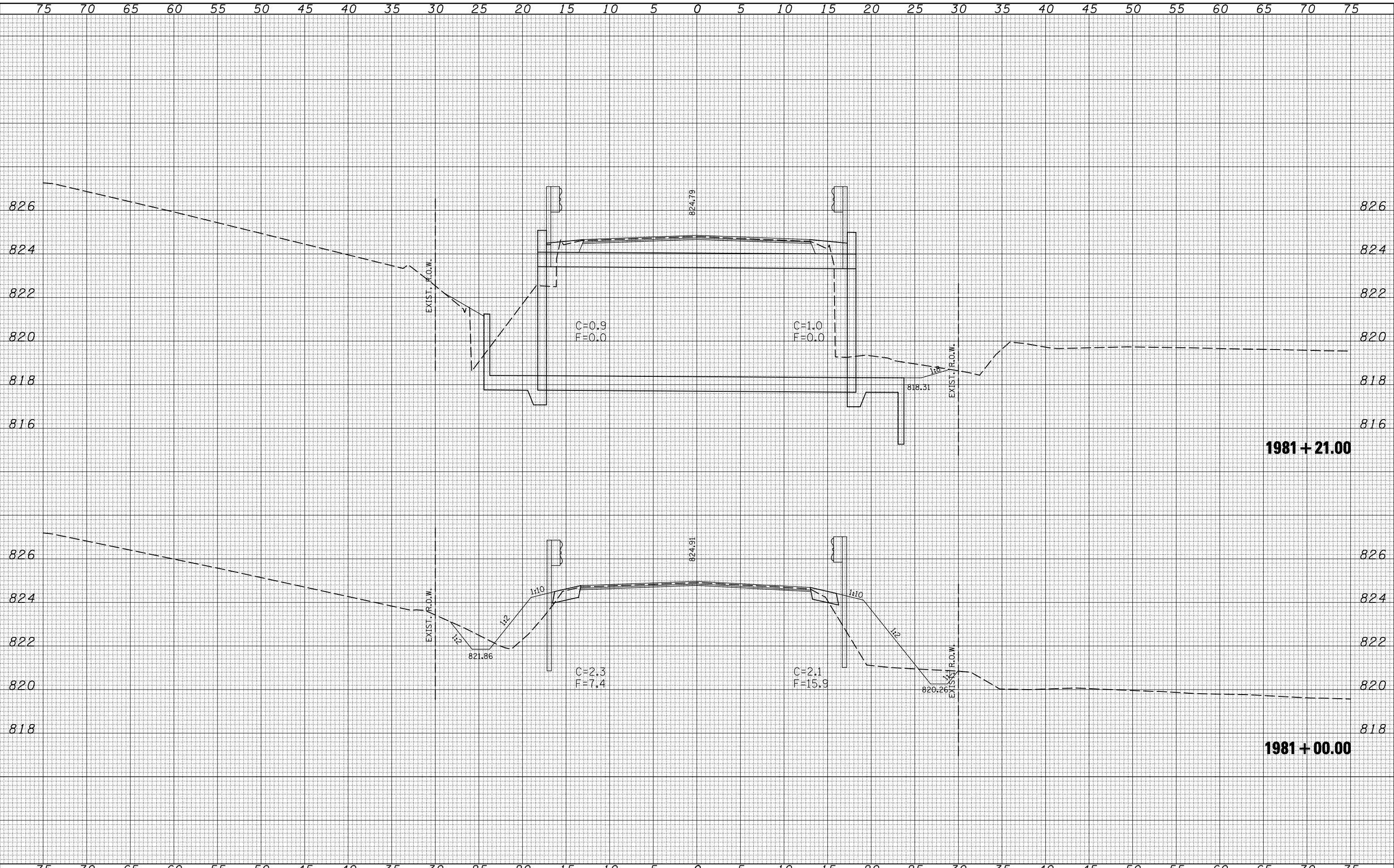
CROSS SECTIONS

SCALE:

SHEET NO. OF SHEETS

STA. 1980+75.00 TO STA. 1980+91.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	100
CONTRACT NO. 70509				ILLINOIS FED. AID PROJECT



BY	DATE
FINL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
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NOTE BOOK	PLOTTED
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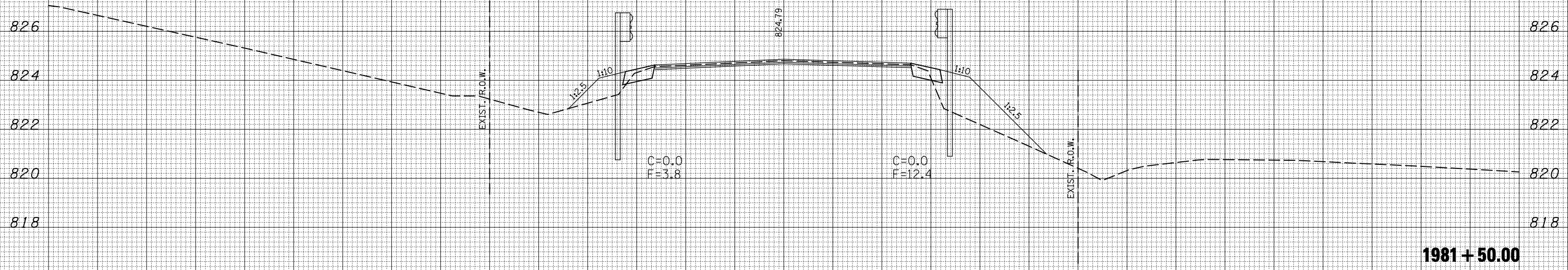
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PLOT DATE = 4/1/2009		DATE -	REVISD -								

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET NO. OF SHEETS STA. 1981+00.00 TO STA. 1981+21.00

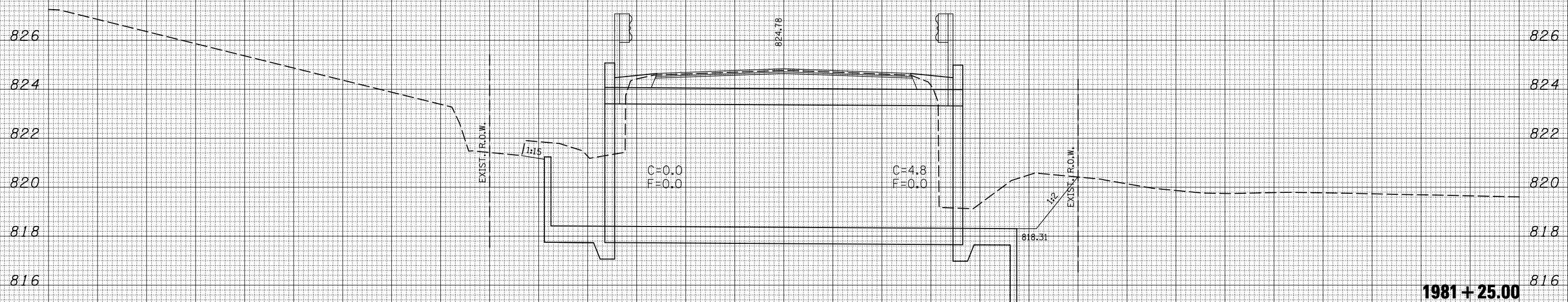
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BY	DATE
FINAL SURVEY	SURVEYED
NOTE BOOK NO.	PLOTTED
	TEMPLATE
	AREAS CHECKED



1981 + 50.00

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



1981 + 25.00

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

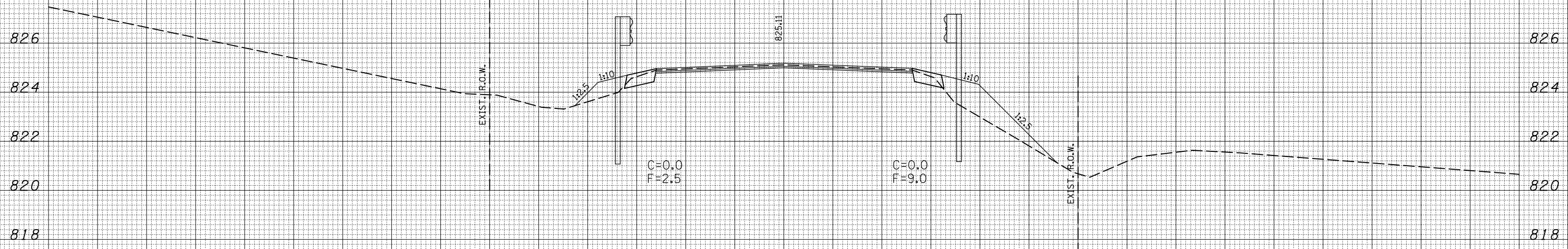
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 1981+25.00 TO STA. 1981+50.00

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CONTRACT NO. 70509			ILLINOIS FED. AID PROJECT	

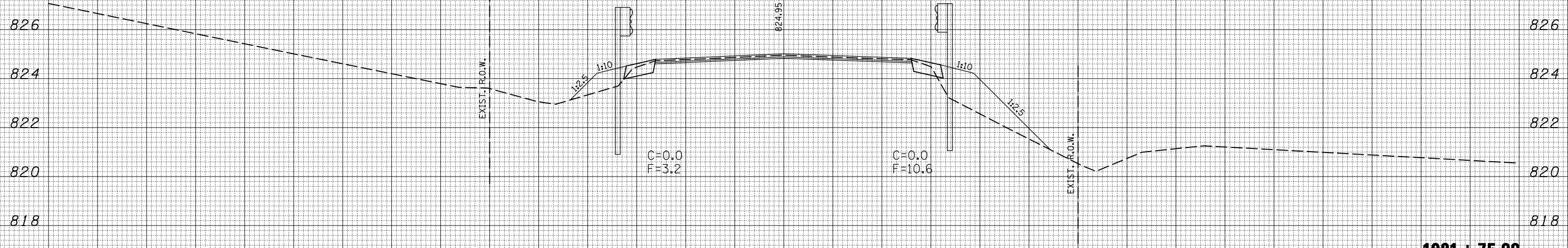
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BY	DATE
FINAL SURVEY	SURVEYED
NOTE BOOK NO.	PLOTTED
	TEMPLATE
	AREAS CHECKED



1982 + 00.00

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



1981 + 75.00

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

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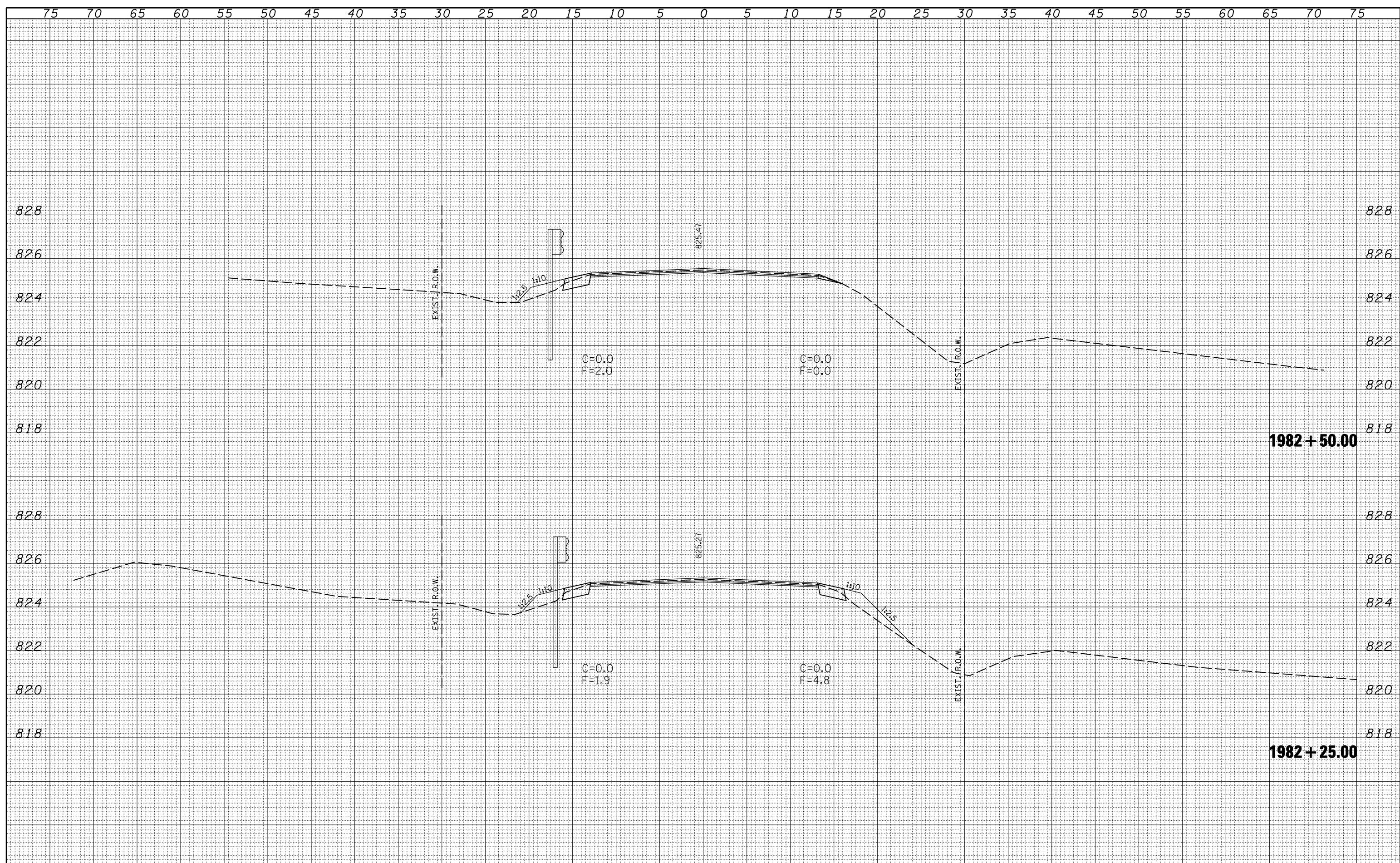
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 1981+75.00 TO STA. 1982+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	103
CONTRACT NO. 70509			ILLINOIS FED. AID PROJECT	



**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

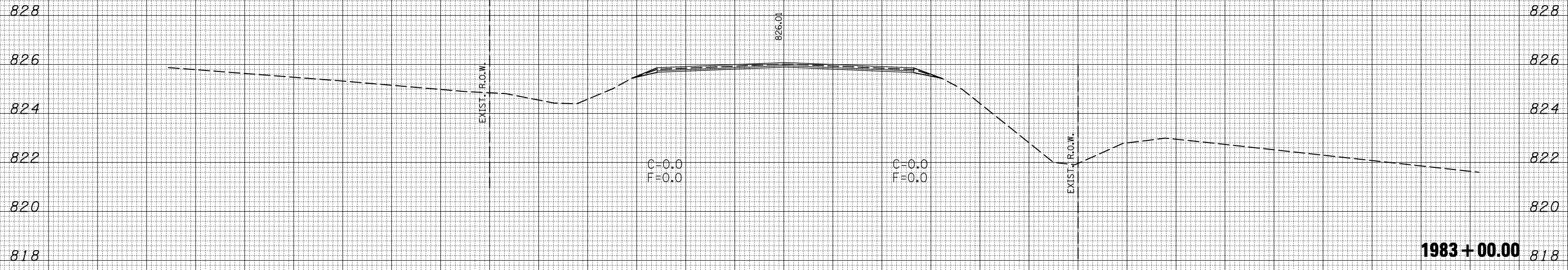
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		CHECKED -	REVISD -	CONTRACT NO. 70509				
		DATE -	REVISD -	ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET NO.	OF SHEETS	STA. 1982+25.00 TO STA. 1982+50.00	

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

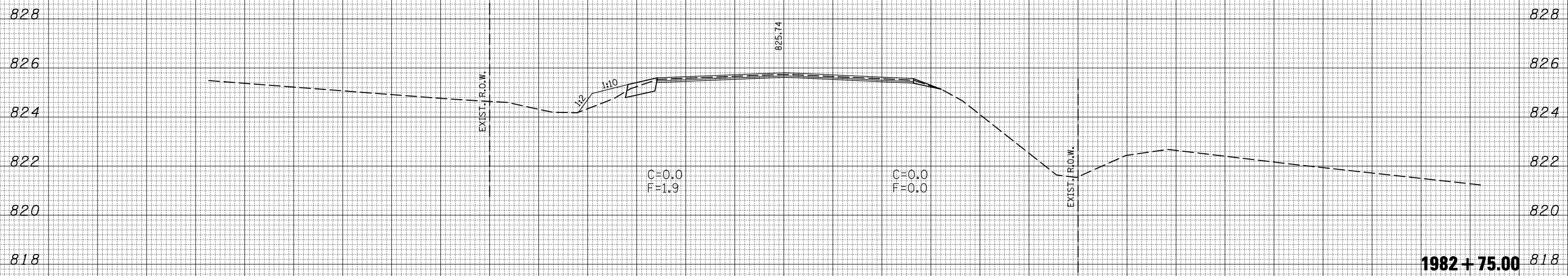
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BY	DATE
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



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



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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 1982+75.00 TO STA. 1983+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
693	(21,22)R,RS-1	MCLEAN	105	105
CONTRACT NO. 70509			ILLINOIS FED. AID PROJECT	