

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

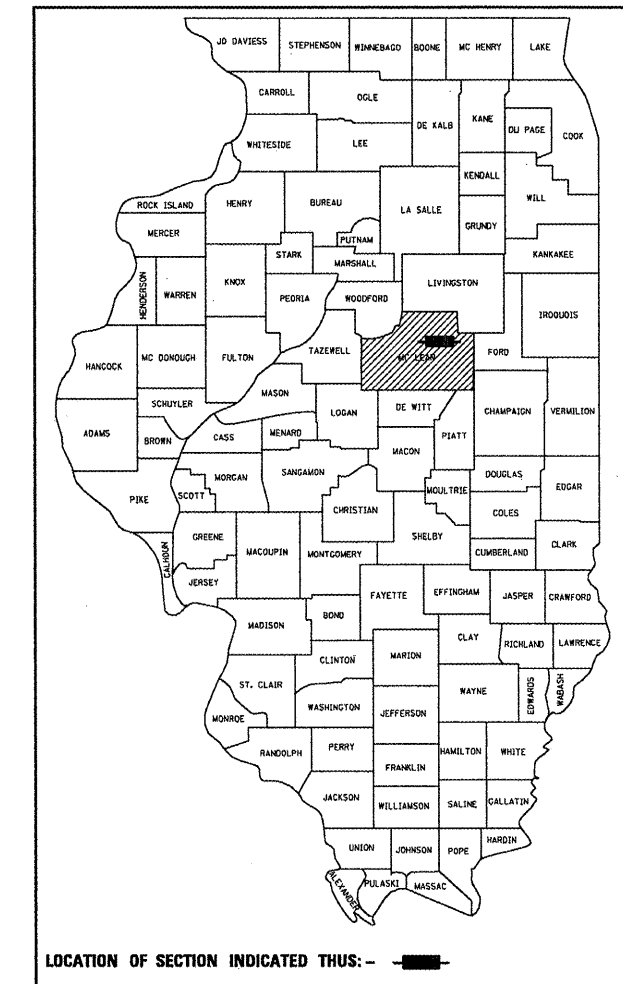
FAS ROUTE 2484 (IL 165)  
SECTION (125,126,127)RS-2

RESURFACING (3P)  
MCLEAN COUNTY  
COOKSVILLE TO COLFAX

C-95-031-06

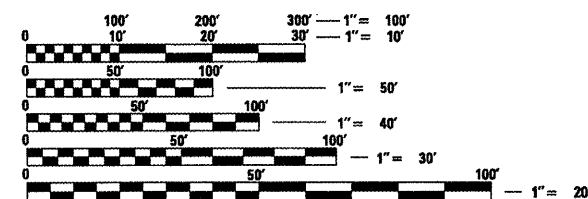
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	1
		ILLINOIS	CONTRACT NO. 70510	

D-95-030-06



FOR INDEX OF SHEETS, SEE SHEET NO. 2  
FOR SUMMARY OF QUANTITIES, SEE SHEETS 5-8

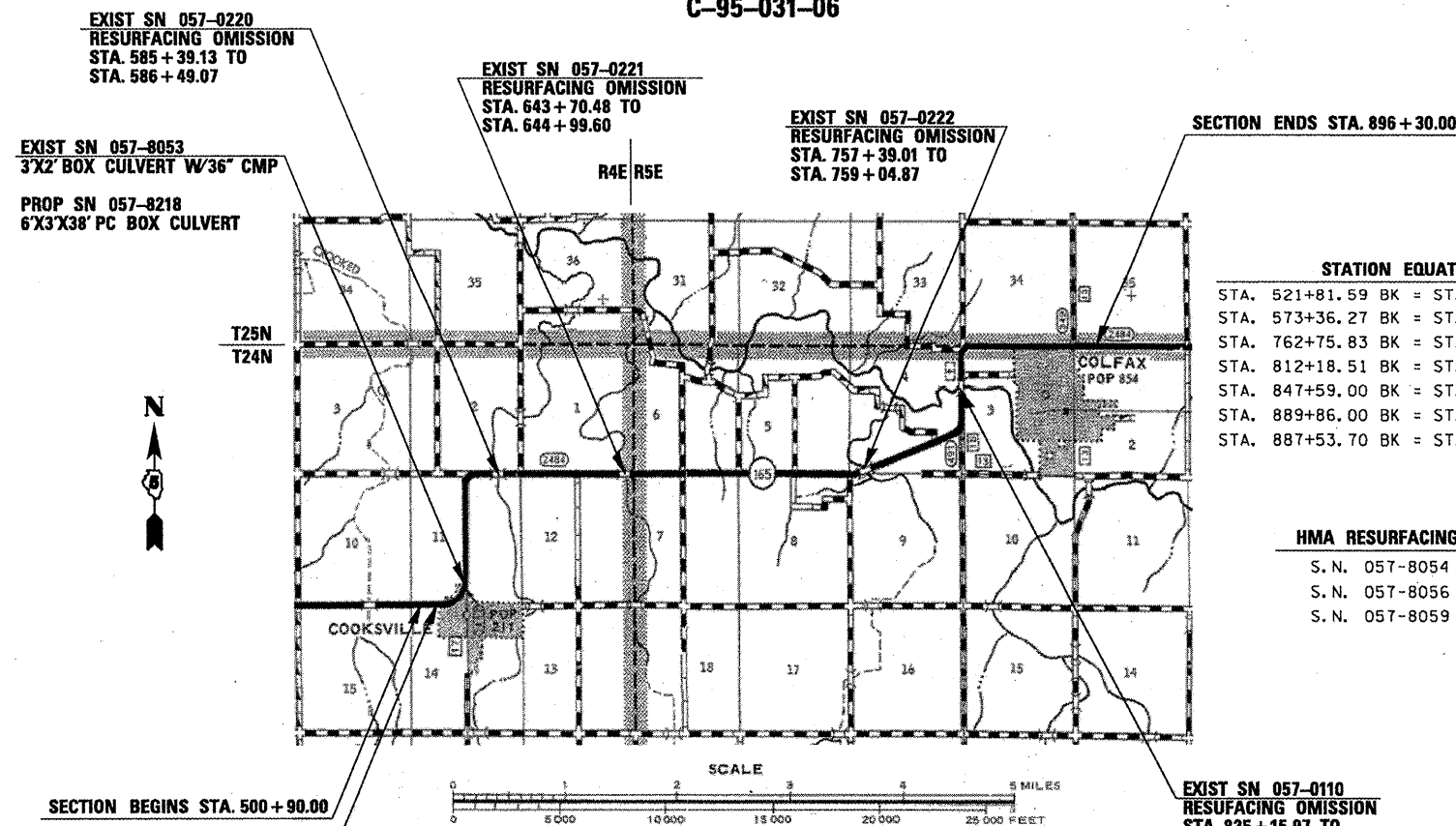
**CURRENT ADT**  
MAJOR COLLECTOR  
FAS 2484 (IL 165) = 1050 (2007)  
SU = 8.8% MU = 2.5%



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 TOWNSHIPS  
OR 811 LAWNSDALE, BLUE MOUND, MARTIN

PROJECT ENGINEER: NANCY FASIG  
SQUAD LEADER: STEVE COOMBS  
(217) 465-4181  
CONTRACT NO. 70510



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED 1/27 20 10

*Joseph E. Dowden*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

*Scott E. Stitt, P.E.*  
ENGINEER OF DESIGN AND ENVIRONMENT

*Christine M. Reed*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

GROSS LENGTH = 39,726.95 FT. = 7.524 MILE  
NET LENGTH = 39,036.61 FT. = 7.393 MILE



## 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.-280 (SPL)

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

G.N.-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.-406.07

THE BOTTOM LIFT OF THE HOT-MIX ASPHALT SAFETY SHOULDER SHALL BE COMPACTED TO A MINIMUM OF 85% OF THE THEORETICAL MAXIMUM DENSITY.

G.N.-406H

### MIXTURE REQUIREMENTS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

Location(s):	IL 165	IL 165	IL 165
Mixture Use(s):	SURFACE / INCIDENTAL	LEVEL BINDER	CLASS D PATCH
AC/PG:	PG 64-22	PG 64-22	PG 64-22
RAP %: (Max)**	15	25	25
Design Air Voids:	4.0% @ NDES = 50	4.0% @ NDES = 50	4.0% @ NDES = 50
Mixture Composition: (Gradation Mixture)	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.-542

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

G.N.-631

IF THE CONTRACTOR ELECTS TO USE THE ALTERNATE MOUNTING METHOD OF THRU DRILLING THE MOUNTING HOLES FOR THE TRAFFIC BARRIER TERMINALS, TYPE 6, THE HOLES SHALL BE DRILLED USING A CORE DRILL. A HAMMER DRILL WILL NOT BE ALLOWED.

FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES</b>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
cd:\pwr_work\pwr\DOT\CDOMBESSF\dms87296\0	70510-sh1-gennote.dgn	DRAWN -	REVISED -			2484	125.126.127RS-2	MCLEAN	122	3	
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 70510					
	PLOT DATE = 1/13/2010	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
						SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.

## GENERAL NOTES

G.N.-632 (SPL)

EXISTING GUARDRAIL AND GUARDRAIL TERMINALS SHALL BE REMOVED IN ACCORDANCE WITH SECTION 632 OF THE STANDARD SPECIFICATIONS EXCEPT THAT THE MATERIAL WILL BECOME PROPERTY OF THE DEPARTMENT AND THE CONTRACTOR SHALL PLACE THE MATERIAL AT A LOCATION DETERMINED BY THE ENGINEER.

THE ENGINEER SHALL CONTACT THE BUREAU OF OPERATIONS ON WHERE THE SALVAGED MATERIAL SHALL BE STORED.

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.

# NO COMMITMENTS

FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES</b>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwwork\pwwork\DOT\COOMBESSF\dms87296\070510-sh1-gennote.dgn	DRAWN -	REVISED -	2484			125,126,127RS-2	MCLEAN	122	4		
PLOT SCALE = 40,0000' / IN.	CHECKED -	REVISED -	<b>CONTRACT NO. 70510</b>								
PLOT DATE = 1/13/2010	DATE -	REVISED -	ILLINOIS FED. AID PROJECT								
						SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.

## SUMMARY OF QUANTITIES

CODE NO.	DESCRIPTION	CONSTRUCTION TYPE CODE: UNIT	LOCATION OF WORK:	MCLEAN CO.	MCLEAN CO.	MCLEAN CO.	MCLEAN CO.
				FAS 2484 IL 165	FAS 2484 IL 165	FAS 2484 IL 165	FAS 2484 IL 165
			FUNDING BREAKOUT:	100% STATE	100% STATE	100% STATE	100% STATE
			TOTAL	1000	X028-2A	SFTY-2A	
			QUANTITY	QUANTITY	QUANTITY	QUANTITY	
20200100	EARTH EXCAVATION	CU YD	62.0	62.0			
20200500	EARTH EXCAVATION(WIDENING)	CU YD	1,983.0	1,983.0			
20700220	POROUS GRANULAR EMBANKMENT	CU YD	201.0		201.0		
20900110	POROUS GRANULAR BACKFILL	CU YD	7.0		7.0		
25000210	SEEDING, CLASS 2A	ACRE	2.0	2.0			
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	180.0	180.0			
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	180.0	180.0			
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	180.0	180.0			
25100115	MULCH, METHOD 2	ACRE	2.0	2.0			
25100630	EROSION CONTROL BLANKET	SQ YD	400.0	400.0			
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	200.0	200.0			
28000400	PERIMETER EROSION BARRIER	FOOT	9,787.0	9,787.0			
28000500	INLET <sup>AND</sup> PIPE PROTECTION	EACH	3.0	3.0			
28100107	STONE RIPRAP, CLASS A4	SQ YD	37.0		37.0		
28100109	STONE RIPRAP, CLASS A5	SQ YD	90.0		90.0		
28100201	STONE RIPRAP, CLASS A1	TON	63.0		63.0		
28200200	FILTER FABRIC	SQ YD	221.0		221.0		
35600712	HOT-MIX ASPHALT BASE COURSE WIDENING, 9"	SQ YD	7,931.0	7,931.0			
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	20,629.0	20,629.0			
40600300	AGGREGATE (PRIME COAT)	TON	413.0	413.0			
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	4,313.0	4,313.0			
40600895	CONSTRUCTING TEST STRIP	EACH	1.0	1.0			
40600990	TEMPORARY RAMP	SQ YD	117.0	117.0			
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	8,727.0	8,727.0			
40800010	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	539.0	539.0			

\* SPECIALTY ITEMS

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ct:\p\work\PIWIDOT\COOMBESSF\dms87296\g	770510-sht-500.dgn	DRAWN -	REVISED -			2484	(125,126,127)RS-2	MCLEAN	122	5	
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 70510					
	PLOT DATE = 1/22/2010	DATE -	REVISED -			SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.

## SUMMARY OF QUANTITIES

CODE NO.	DESCRIPTION	UNIT	LOCATION OF WORK:			
			MCLEAN CO. FAS 2484 IL 165 100% STATE	MCLEAN CO. FAS 2484 IL 165 100% STATE	MCLEAN CO. FAS 2484 IL 165 100% STATE	MCLEAN CO. FAS 2484 IL 165 100% STATE
CONSTRUCTION TYPE CODE:			TOTAL	1000	X028-2A	SFTY-2A
			QUANTITY	QUANTITY	QUANTITY	QUANTITY
40800030	AGGREGATE (PRIME COAT)	TON	11.0	11.0		
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	462.0	462.0		
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	95,266.0	95,266.0		
44000196	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	SQ YD	5,379.0	5,379.0		
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	254.0	254.0		
44201785	CLASS D PATCHES, TYPE I, 12 INCH	SQ YD	128.0	128.0		
44201789	CLASS D PATCHES, TYPE II, 12 INCH	SQ YD	800.0	800.0		
44201794	CLASS D PATCHES, TYPE III, 12 INCH	SQ YD	599.0	599.0		
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SQ YD	384.0	384.0		
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	1,244.0	1,244.0		
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	
50104300	CONCRETE HEADWALL REMOVAL	CU YD	4.5		4.5	
50200100	STRUCTURE EXCAVATION	CU YD	200.0		200.0	
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	1,450.0			1,450.0
50500715	JACK AND REMOVE EXISTING BEARINGS	EACH	10.0			10.0
51500100	NAME PLATES	EACH	2.0		2.0	
52100020	ELASTOMERIC BEARING ASSEMBLY, TYPE II	EACH	10.0			10.0
52100520	ANCHOR BOLTS, 1"	EACH	20.0			20.0
54001001	BOX CULVERT END SECTION, CULVERT NO. 1	EACH	2.0		2.0	
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	
54020505	PRECAST CONCRETE BOX CULVERT 5' X 5' (M273)	FOOT	38.0		38.0	

\* SPECIALTY ITEMS

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c:\ppl\work\PIWIDOT\COOMBESSF\dms87296\670510-sht-S00.dgn		DRAWN -	REVISED -					2484	(125,126,127)RS-2	MCLEAN	122	6
		CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 70510				
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

## SUMMARY OF QUANTITIES

CODE NO.	DESCRIPTION	CONSTRUCTION TYPE CODE: UNIT	LOCATION OF WORK:			
			MCLEAN CO.	MCLEAN CO.	MCLEAN CO.	MCLEAN CO.
			FAS 2484 IL 165	FAS 2484 IL 165	FAS 2484 IL 165	FAS 2484 IL 165
FUNDING BREAKOUT:			100% STATE	100% STATE	100% STATE	100% STATE
			TOTAL	I000	X028-2A	SFTY-2A
			QUANTITY	QUANTITY	QUANTITY	QUANTITY
54020602	PRECAST CONCRETE BOX CULVERT 6' X 2' (M273)	FOOT	64.0		64.0	
54020603	PRECAST CONCRETE BOX CULVERT 6' X 3' (M273)	FOOT	38.0		38.0	
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	2.0	2.0		
542A0220	PIPE CULVERTS, CLASS A, TYPE 115"	FOOT	43.5	43.5		
542A0223	PIPE CULVERTS, CLASS A, TYPE 118"	FOOT	32.0	32.0		
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CUYD	3.0	3.0		
60240215	INLETS, TYPE B, TYPE 1 FRAME, CLOSED LID	EACH	1.0	1.0		
60240301	INLETS, TYPE B, TYPE 8 GRATE	EACH	1.0	1.0		
61100605	MISCELLANEOUS CONCRETE	CUYD	2.0	2.0		
61101013	STORM SEWERS PROTECTED, CLASS A, 12"	FOOT	120.0	120.0		
61133100	FIELD TILE JUNCTION VAULTS, 2' DIA.	EACH	4.0	4.0		
* 63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	3,382.0	3,382.0		
* 63000025	STEEL PLATE BEAM GUARD RAIL, ATTACHED TO STRUCTURES	FOOT	12.0	12.0		
* 63100085	TRAFFIC BARRIER TERMINAL, TYPE 6	EACH	16.0	16.0		
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	26.0	26.0		
63200310	GUARDRAIL REMOVAL	FOOT	3,800.0	3800.0		
63500105	DELINEATORS	EACH	8.0	8.0		
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	4.0	4.0		
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		
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	7,829.0	7,829.0		
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	101,090.0	101,090.0		
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1,292.0	1,292.0		
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	101,090.0	101,090.0		

\* SPECIALTY ITEMS

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c:\p\work\PWIDOT\C00MBESSF\dms87296\d	70510-sht-500.dgn	DRAWN -	REVISED -			2484	(125,126,127)RS-2	MCLEAN	122	7	
	PLOT SCALE = 40,0000 ' / IN.	CHECKED -	REVISED -			CONTRACT NO. 70510					
	PLOT DATE = 1/22/2010	DATE -	REVISED -			SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.

## SUMMARY OF QUANTITIES

CODE NO.	DESCRIPTION	UNIT	LOCATION OF WORK:			
			MCLEAN CO. FAS 2484 IL 165	MCLEAN CO. FAS 2484 IL 165	MCLEAN CO. FAS 2484 IL 165	MCLEAN CO. FAS 2484 IL 165
FUNDING BREAKOUT:			100% STATE	100% STATE	100% STATE	100% STATE
CONSTRUCTION TYPE CODE:			TOTAL	1000	X028-2A	SFTY-2A
			QUANTITY	QUANTITY	QUANTITY	QUANTITY
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	542.0	542.0		
* 78200405	GUARDRAIL MARKERS	EACH	84.0	84.0		
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	26.0	26.0		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	542.0	542.0		
X0301232	SURVEY MARKER VAULT	EACH	3.0	3.0		
X0323077	SILICONE JOINT SEALER, 2 3/4"	FOOT	71.0			71.0
X0323988	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	540.0		540.0	
X0324952	DETOUR SIGNING	L SUM	1.0	1.0		
X4401705	PARTAIL DEPTH REMOVAL	SQ YD	36.0	36.0		
X4421000	PARTIAL DEPTH PATCHING	TON	5.0	5.0		
X6110100	FIELD TILE REPLACEMENT	FOOT	404.0	404.0		
XZ193400	SURVEY MARKER, TYPE 2 (SPECIAL)	EACH	26.0	26.0		
Z0023500	FILLING EXISTING CULVERTS	CU YD	47.0		47.0	
Z0030900	INSPECTION WELLS	EACH	1.0	1.0		
Z0070100	SURVEY MONUMENT COVER ASSEMBLY	EACH	3.0	3.0		

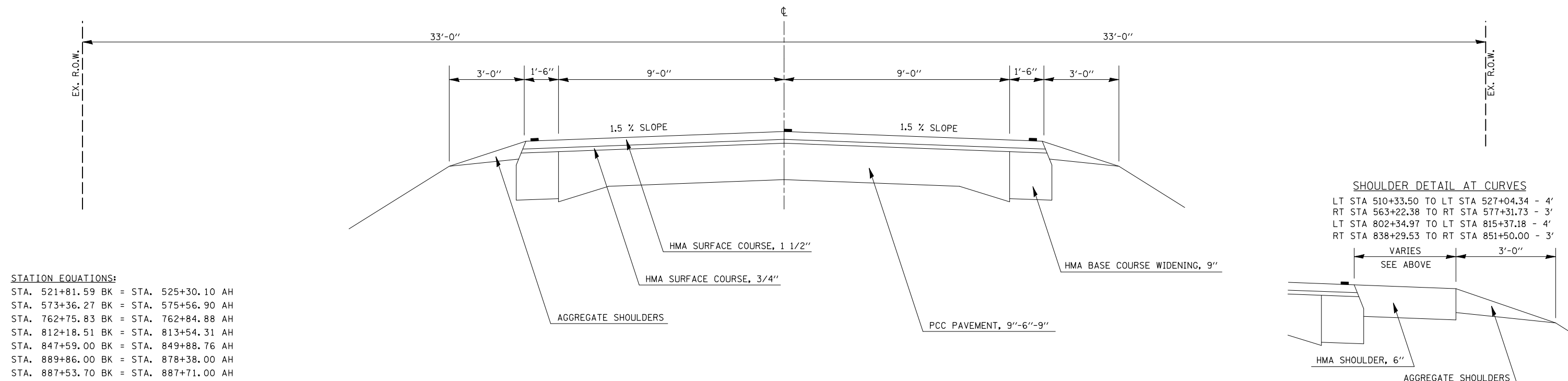
\* SPECIALTY ITEMS

FILE NAME :	USER NAME = coombessf	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A.S. RTE. 2484	SECTION (125,126,127)RS-2	COUNTY MCLEAN	TOTAL SHEETS 122	SHEET NO. 8		
ct:\ph_work\FW1001\COOMBESSF\dms87296\d	70510-sh1-500.dgn	DRAWN -	REVISED -			SCALE:	SHEET NO. OF SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT				
	PLOT SCALE = 40,0000 / IN.	CHECKED -	REVISED -			CONTRACT NO. 70510						
	PLOT DATE = 1/22/2010	DATE -	REVISED -									

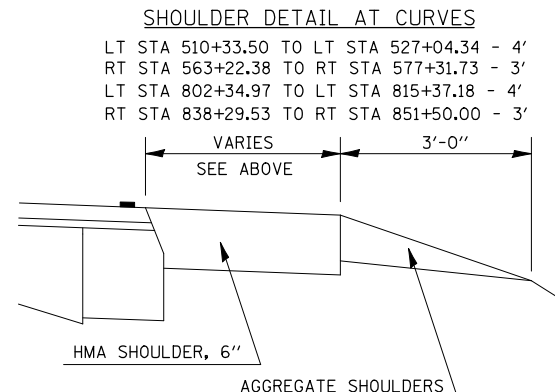


# EXISTING TYPICAL CROSS SECTION

STATION 500+09.00 TO STATION 896+30.00

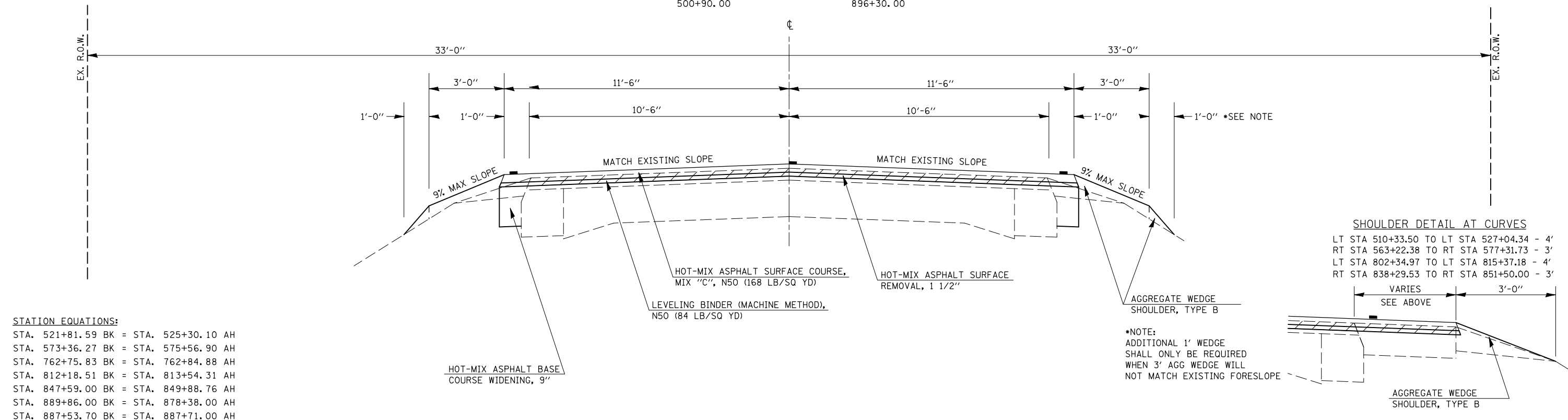


**STATION EQUATIONS:**  
 STA. 521+81.59 BK = STA. 525+30.10 AH  
 STA. 573+36.27 BK = STA. 575+56.90 AH  
 STA. 762+75.83 BK = STA. 762+84.88 AH  
 STA. 812+18.51 BK = STA. 813+54.31 AH  
 STA. 847+59.00 BK = STA. 849+88.76 AH  
 STA. 889+86.00 BK = STA. 878+38.00 AH  
 STA. 887+53.70 BK = STA. 887+71.00 AH



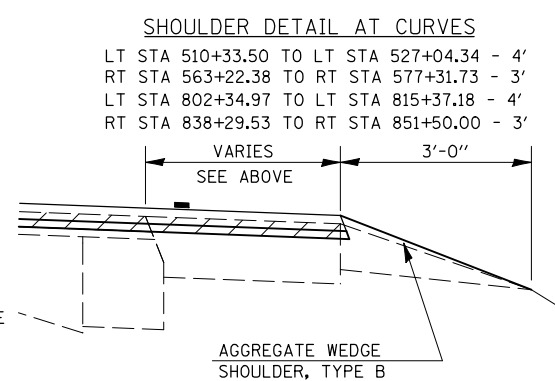
# PROPOSED TYPICAL CROSS SECTION

STATION 500+90.00 TO STATION 896+30.00



**STATION EQUATIONS:**  
 STA. 521+81.59 BK = STA. 525+30.10 AH  
 STA. 573+36.27 BK = STA. 575+56.90 AH  
 STA. 762+75.83 BK = STA. 762+84.88 AH  
 STA. 812+18.51 BK = STA. 813+54.31 AH  
 STA. 847+59.00 BK = STA. 849+88.76 AH  
 STA. 889+86.00 BK = STA. 878+38.00 AH  
 STA. 887+53.70 BK = STA. 887+71.00 AH

**\*NOTE:**  
 ADDITIONAL 1' WEDGE SHALL ONLY BE REQUIRED WHEN 3' AGG WEDGE WILL NOT MATCH EXISTING FORESLOPE



FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL CROSS SECTION</b>			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\PWIDOT\COOMBESSF\dms87296\0770510-shr-typical.dgn	PLOT SCALE = 40.0000' / IN.	DRAWN -	REVISED -					2484	(125,126,127)RS-2	MCLEAN	122	9
	PLOT DATE = 1/13/2010	CHECKED -	REVISED -		CONTRACT NO. 70510							
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

# SCHEDULE OF QUANTITIES

SCHEDULE OF MAINLINE RESURFACING QUANTITIES												
LOCATION				AVERAGE PROPOSED ROADWAY WIDTH	LENGTH	AREA	44000155	40600100	40600300	40600625	40603310	
							HMA SURFACE REMOVAL 1.5 IN	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	LEVELING BINDER (MM) 0.75 IN	HMA SURFACE COURSE 1.5 IN	
							SQ YD	GAL	TON	TON	TON	
FT	FT	SQ YD	SQ YD	GAL	TON	TON	TON	TON	TON			
STA. 500+75.00	TO	STA. 500+90.00		32.9	15.0	54.8	54.8	5.5	0.1	0.0	5.8	
STA. 500+90.00	TO	STA. 510+00.46		23.9	910.5	2,417.9	2,184.8	483.6	9.7	101.6	203.1	
STA. 510+00.46	TO	STA. 510+33.17		24.4	32.7	88.7	78.7	17.7	0.4	3.7	11.2	
STA. 510+33.17	TO	STA. 511+52.59		26.6	119.4	352.9	343.6	70.6	1.4	14.8	29.6	
STA. 511+52.59	TO	STA. 519+22.11		27.4	769.5	2,342.7	2,214.5	468.5	9.4	98.4	196.8	
STA. 519+22.11	TO	STA. 520+60.51		27.0	138.4	415.2	398.3	83.0	1.7	17.4	34.9	
STA. 520+60.51	TO	STA. 521+81.59		27.6	121.1	371.4	348.5	74.3	1.5	15.6	31.2	
STATION EQUATION												
STA. 525+30.10	TO	STA. 527+04.34		27.0	174.2	522.6	505.2	104.5	2.1	21.9	43.9	
STA. 527+04.34	TO	STA. 563+22.38		23.5	3,618.0	9,447.0	8602.8	1889.4	37.8	396.8	793.5	
STA. 563+22.38	TO	STA. 565+65.82		26.4	243.4	714.0	705.9	142.8	2.9	30.0	60.0	
STA. 565+65.82	TO	STA. 566+95.62		26.6	129.8	383.6	376.4	76.7	1.5	16.1	32.2	
STA. 566+95.62	TO	STA. 571+42.10		27.7	446.5	1,374.2	1,294.9	274.8	5.5	57.7	115.4	
STA. 571+42.10	TO	STA. 572+53.06		26.8	111.0	330.5	321.9	66.1	1.3	13.9	27.8	
STA. 572+53.06	TO	STA. 573+36.27		27.8	83.2	257.0	241.3	51.4	1.0	10.8	21.6	
STATION EQUATION												
STA. 575+56.90	TO	STA. 577+36.00		26.4	179.1	525.4	499.2	105.1	2.1	22.1	44.1	
STA. 577+36.00	TO	STA. 585+09.13		23.5	773.1	2,018.7	1848.5	403.7	8.1	84.8	169.6	
STA. 585+09.13	TO	STA. 585+39.13		24.0	30.0	80.0	80.7	8.0	0.2	0.0	8.4	
STRUCTURE OMISSION (S.N. 057-0220)												
STA. 586+49.07	TO	STA. 586+79.07		23.8	30.0	79.3	79.7	7.9	0.2	0.0	8.4	
STA. 586+79.07	TO	STA. 596+54.77		23.3	975.7	2,526.0	2,309.2	505.2	10.1	106.1	212.2	
STA. 596+54.77	TO	STA. 597+23.07		22.3	68.3	169.2	161.6	33.8	0.7	7.1	14.2	
STA. 597+23.07	TO	STA. 623+37.20		23.3	2614.1	6,767.6	6,186.7	1353.5	27.1	284.2	568.5	
STA. 623+37.20	TO	STA. 623+73.75		22.1	36.6	89.9	86.6	18.0	0.4	3.8	7.6	
STA. 623+73.75	TO	STA. 643+40.48		23.1	1966.7	5,047.9	4,654.5	1009.6	20.2	212.0	424.0	
STA. 643+40.48	TO	STA. 643+70.48		23.9	30.0	79.7	79.7	8.0	0.2	0.0	8.4	
STRUCTURE OMISSION (S.N. 057-0221)												
STA. 644+99.60	TO	STA. 645+29.60		23.9	30.0	79.7	79.7	8.0	0.2	0.0	8.4	
STA. 645+29.60	TO	STA. 672+75.26		23.4	2745.7	7,138.8	6,437.1	1427.8	28.6	299.8	599.7	
STA. 672+75.26	TO	STA. 672+88.97		22.4	13.7	34.1	32.1	6.8	0.1	1.4	2.9	
STA. 672+88.97	TO	STA. 673+38.18		21.6	49.2	118.1	115.3	23.6	0.5	5.0	9.9	
STA. 673+38.18	TO	STA. 673+41.38		22.9	3.2	8.1	7.5	1.6	0.1	0.3	0.7	
STA. 673+41.38	TO	STA. 699+51.96		23.3	2610.6	6,758.6	6,120.4	1351.7	27.0	283.9	567.7	
STA. 699+51.96	TO	STA. 700+08.91		22.4	57.0	141.9	133.6	28.4	0.6	6.0	11.9	
STA. 700+08.91	TO	STA. 725+95.81		23.2	2586.9	6,668.5	6,064.8	1333.7	26.7	280.1	560.2	
STA. 725+95.81	TO	STA. 726+50.24		22.0	54.4	133.0	127.5	26.6	0.5	5.6	11.2	
STA. 726+50.24	TO	STA. 752+34.67		23.1	2584.4	6,633.3	6,059.0	1326.7	26.5	278.6	557.2	
STA. 752+34.67	TO	STA. 752+76.74		22.3	42.1	104.3	98.7	20.9	0.4	4.4	8.8	
STA. 752+76.74	TO	STA. 757+09.01		24.4	432.3	1,172.0	1,013.5	234.4	4.7	49.2	98.5	
STA. 757+09.01	TO	STA. 757+39.01		24.0	30.0	80.0	80.0	8.0	0.2	0.0	8.4	
STRUCTURE OMISSION (S.N. 057-0222)												
STA. 759+04.87	TO	STA. 759+34.87		24.0	30.0	80.0	79.0	8.0	0.2	0.0	8.4	
STA. 759+34.87	TO	STA. 762+75.83		24.3	341.0	920.7	826.0	184.1	3.7	38.7	77.3	
STATION EQUATION												

# SCHEDULE OF QUANTITIES

SCHEDULE OF MAINLINE RESURFACING QUANTITIES (CONT.)												
LOCATION				AVERAGE PROPOSED ROADWAY WIDTH	LENGTH	AREA	44000155	40600100	40600300	40600625	40603310	
							HMA SURFACE REMOVAL 1.5 IN	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	LEVELING BINDER (MM) 0.75 IN	HMA SURFACE COURSE 1.5 IN	
							SQ YD	GAL	TON	TON	TON	
FT	FT	SQ YD	SQ YD	GAL	TON	TON	TON	TON	TON	TON		
STA. 762+84.88	TO	STA. 794+45.86		23.3	3161.0	8,183.5	7,516.2	1636.7	32.7	343.7	687.4	
STA. 794+45.86	TO	STA. 795+14.94		22.0	69.1	168.9	164.3	33.8	0.7	7.1	14.2	
STA. 795+14.94	TO	STA. 802+34.97		23.5	720.0	1,880.0	1,712.0	376.0	7.5	79.0	157.9	
STA. 802+34.97	TO	STA. 808+70.68		27.4	635.7	1,935.4	1,843.5	387.1	7.7	81.3	162.6	
STA. 808+70.68	TO	STA. 811+62.45		26.5	291.8	859.2	846.2	171.8	3.4	36.1	72.2	
STA. 811+62.45	TO	STA. 812+18.51		26.9	56.1	167.7	162.7	33.5	0.7	7.0	14.1	
STATION EQUATION												
STA. 813+54.31	TO	STA. 815+37.18		25.7	182.9	522.3	504.0	104.5	2.1	21.9	43.9	
STA. 815+37.18	TO	STA. 824+85.97		23.1	948.8	2,435.3	2203.3	487.1	9.7	102.3	204.6	
STA. 824+85.97	TO	STA. 825+15.97		23.4	30.0	78.0	78.0	7.8	0.2	0.0	8.2	
STRUCTURE OMISSION (S.N. 057-0110)												
STA. 828+01.39	TO	STA. 828+31.39		24.1	30.0	80.3	80.3	8.0	0.2	0.0	8.4	
STA. 828+31.39	TO	STA. 831+69.87		23.7	338.5	891.4	801.1	178.3	3.6	37.4	74.9	
STA. 831+69.87	TO	STA. 832+31.96		23.0	62.1	158.7	147.0	31.7	0.6	6.7	13.3	
STA. 832+31.96	TO	STA. 838+29.63		23.4	597.7	1,554.0	1,414.6	310.8	6.2	65.3	130.5	
STA. 838+29.63	TO	STA. 839+81.36		26.2	151.7	441.6	451.7	88.3	1.8	18.5	37.1	
STA. 839+81.36	TO	STA. 841+02.12		26.2	120.8	351.7	359.7	70.3	1.4	14.8	29.5	
STA. 841+02.12	TO	STA. 842+65.78		27.8	163.7	505.7	487.5	101.1	2.0	21.2	42.5	
STA. 842+65.78	TO	STA. 843+85.37		27.2	119.6	361.5	356.1	72.3	1.4	15.2	30.4	
STA. 843+85.37	TO	STA. 847+59.00		28.4	373.6	1,178.9	1,112.5	235.8	4.7	49.5	99.0	
STATION EQUATION												
STA. 849+88.76	TO	STA. 851+50.00		26.4	161.2	472.9	458.5	94.6	1.9	19.9	39.7	
STA. 851+50.00	TO	STA. 871+35.23		23.5	1985.2	5,183.6	4,720.4	1036.7	20.7	217.7	435.4	
STA. 871+35.23	TO	STA. 871+97.44		22.9	62.2	158.3	147.9	31.7	0.6	6.6	13.3	
STA. 871+97.44	TO	STA. 884+59.46		23.3	1262.0	3,267.2	3,000.8	653.4	13.1	137.2	274.4	
STA. 884+59.46	TO	STA. 885+30.90		22.8	71.4	180.9	169.8	36.2	0.7	7.6	15.2	
STA. 885+30.90	TO	STA. 889+13.16		23.7	382.3	1,006.7	909.0	201.3	4.0	42.3	84.6	
STA. 889+13.16	TO	STA. 889+86.00		22.9	72.8	185.2	173.1	37.0	0.7	7.8	15.6	
STATION EQUATION												
STA. 878+38.00	TO	STA. 878+39.12		22.8	1.12	2.8	2.7	0.1	0.0	0.1	0.1	
STA. 878+39.12	TO	STA. 879+75.72		23.8	136.6	361.2	329.4	72.2	1.4	15.2	30.3	
STA. 879+75.72	TO	STA. 880+16.34		22.8	40.6	102.9	97.9	20.6	0.4	4.3	8.6	
STA. 880+16.34	TO	STA. 886+43.70		23.7	627.4	1,652.2	1,512.7	330.4	6.6	69.4	138.8	
STA. 886+43.70	TO	STA. 886+96.76		22.6	53.1	133.3	128.0	26.7	0.5	5.6	11.2	
STA. 886+96.76	TO	STA. 887+53.70		21.8	56.9	137.8	137.2	27.6	0.6	5.8	11.6	
STATION EQUATION												
STA. 887+71.00	TO	STA. 888+23.21		21.8	52.1	126.2	125.6	25.2	0.5	5.3	10.6	
STA. 888+23.21	TO	STA. 888+36.28		22.8	13.1	33.2	31.6	6.6	0.1	1.4	2.8	
STA. 888+36.28	TO	STA. 896+30.00		23.7	793.7	2,090.1	1,913.7	418.0	8.4	87.8	175.6	
STA. 896+30.00	TO	STA. 897+20.00		23.5	90.0	235.0	234.0	23.5	0.5	0.0	24.7	
SUB-TOTAL =							95,265.2	20,628.7	412.9	4,312.8	8,726.8	
GRAND TOTAL =							95,266.0	20,629.0	413.0	4,313.0	8,727.0	

# SCHEDULE OF QUANTITIES

SCHEDULE OF INCIDENTAL RESURFACING AT SIDE ROADS							
SIDE ROAD	STATION	AREA (SQ FT)	AREA (SQ YD)	40800050	44000196	40800010	40800030
				INCIDENTAL HMA SURFACE (TON)	HMA SURF. REM. SPECIAL (SQ YD)	BITUMINOUS MATERIALS (PRIME COAT) (GAL)	AGGREGATE (PRIME COAT) (TON)
JEFFRY/NORTH ST	510+67.95	3,339.0	371.0	31.2	371.0	37.1	0.7
KOCH ST	520+57.06	2,340.9	260.1	30.2	260.1	26.0	0.5
2850 E	565+37.58	1,568.7	174.3	14.6	174.3	17.4	0.3
1900N	572+47.06	1,476.9	164.1	13.8	164.1	16.4	0.3
2900E	596+93.12	1,123.2	124.8	10.5	124.8	12.5	0.2
2950E	623+50.45	435.6	48.4	4.1	48.4	4.8	0.1
3050E(S)	673+16.19	560.7	62.3	5.2	62.3	6.2	0.1
3050E(N)	673+16.19	836.1	92.9	7.8	92.9	9.3	0.2
3100E	699+78.91	792.9	88.1	7.4	88.1	8.8	0.2
3150E	726+22.71	804.6	89.4	7.5	89.4	8.9	0.2
3200E	752+58.82	607.5	67.5	5.7	67.5	6.8	0.1
3275E	794+62.75	1,006.2	111.8	9.4	111.8	11.2	0.2
3300E	811+82.36	4,860.0	540.0	45.4	540.0	54.0	1.1
1975N	832+06.05	822.6	91.4	7.7	91.4	9.1	0.2
3300E	840+06.05	1,498.5	166.5	14.0	166.5	16.7	0.3
2000N	843+30.13	4,049.1	449.9	37.8	449.9	45.0	0.9
WINGET DR	871+68.21	760.5	84.5	7.1	84.5	8.5	0.2
N GROVE ST	884+96.14	972.0	108.0	9.1	108.0	10.8	0.2
N CENTER ST	889+61.32	1,197.0	133.0	11.2	133.0	13.3	0.3
POOL RD	879+98.40	545.4	60.6	5.1	60.6	6.1	0.1
HARRISON ST	887+24.78	2,313.9	257.1	21.6	257.1	25.7	0.5
3400E	887+74.85	2,097.0	233.0	19.6	233.0	23.3	0.5
TOTAL =				326.0	3778.7	377.9	7.6
USE =				326.0	3,779.0	378.0	8.0

40600990 TEMPORARY RAMP			
STATION	WIDTH (FOOT)	LENGTH (FOOT)	AREA (SQ YD)
500+75.00	21.0	5.0	11.7
585+39.13	21.0	5.0	11.7
586+49.07	21.0	5.0	11.7
643+70.48	21.0	5.0	11.7
644+99.60	21.0	5.0	11.7
757+39.01	21.0	5.0	11.7
759+04.87	21.0	5.0	11.7
825+15.97	21.0	5.0	11.7
828+01.39	21.0	5.0	11.7
897+20.00	21.0	5.0	11.7
TOTAL =			116.7
USE =			117.0

SCHEDULE OF INCIDENTAL RESURFACING AT ENTRANCES									
SIDE	STATION	TYPE	AREA TO RESURF. (SQ YD)	40800050	44000196	44000200	40800010	40800030	
				INCIDENTAL HMA SURFACE (TON)	HMA SURF. REM. SPECIAL (SQ YD)	DRIVEWAY PAVEMENT REMOVAL (SQ YD)	BITUMINOUS MATERIALS (PRIME COAT) (GAL)	AGGREGATE (PRIME COAT) (TON)	
RT	501+89.90	PE	24.9	2.1	24.9	4.0	2.5	0.05	
RT	504+08.95	PE W/ MB	28.8	2.4	28.8	6.8	2.9	0.06	
LT	506+29.53	PE	27.7	2.3	27.7	4.2	2.8	0.06	
LT	506+92.26	PE	25.2	2.1	25.2	3.7	2.5	0.05	
RT	508+88.19	MB	35.5	3	35.5	8.7	3.6	0.07	
LT	509+07.87	CE	161.6	13.6	161.6	19.2	16.2	0.32	
LT	510+22.37	CE	53.8	4.5	28.3	3.1	2.8	0.06	
LT	530+49.24	PE	21.7	1.8	21.7	3.1	2.2	0.04	
RT	530+62.77	PE	18.8	1.6	18.8	2.1	1.9	0.04	
RT	531+23.56	PE	22.9	1.9	22.9	3.0	2.3	0.05	
LT	582+10.26	MB	6.7	0.6	6.7	6.2	0.7	0.01	
RT	582+77.60	PE	32.6	2.7	32.6	4.1	3.3	0.07	
LT	605+66.82	PE W/ MB	39.8	3.3	39.8	7.4	4	0.08	
LT	624+59.99	PE W/ MB	64.6	5.4	64.6	12.7	6.5	0.13	
LT	637+89.50	PE W/ MB	38.4	3.2	38.4	7.8	3.8	0.08	
RT	671+27.60	PE	32.6	2.7	32.6	4.4	3.3	0.07	
LT	671+38.19	MB	39.5	3.3	39.5	10.3	4	0.08	
LT	586+11.81	MB	24	2	24	6.3	2.4	0.05	
RT	686+37.91	PE	22.5	1.9	22.5	2.8	2.3	0.05	
RT	707+07.67	PE	28.3	2.4	28.3	4.2	2.8	0.06	
LT	748+23.65	PE	12.5	1.1	12.5	2.2	1.3	0.03	
LT	752+55.07	PE W/ MB	71.8	6	71.8	13.2	7.2	0.14	
LT	811+04.65	PE	46.5	3.9	46.5	0.0	4.7	0.09	
RT	817+00.87	PE	34.5	2.9	34.5	5.2	3.5	0.07	
LT	817+00.87	MB	44.4	3.7	44.4	9.9	4.4	0.09	
LT	835+80.27	CE	33.1	2.8	33.1	4.8	3.3	0.07	
LT	839+14.60	CE	40	3.4	40	5.8	4	0.08	
LT	844+41.88	CE W/ MB	65.4	5.5	65.4	10.0	6.5	0.13	
RT	851+87.19	PE	24.6	2.1	24.6	0.0	2.5	0.05	
RT	852+53.98	PE W/ MB	81.4	6.8	81.4	14.3	8.1	0.16	
RT	880+35.43	PE	81.5	6.8	81.5	9.2	8.2	0.16	
RT	881+70.18	PE W/ MB	46.7	3.9	46.7	7.5	4.7	0.09	
RT	886+97.61	PE W/ MB	38.2	3.2	38.2	6.5	3.8	0.08	
RT	888+10.57	PE	27.2	2.3	27.2	3.8	2.7	0.05	
RT	878+86.78	CE	92.7	7.8	92.7	10.7	9.3	0.19	
RT	881+37.64	PE W/ MB	52.4	4.4	52.4	8.2	5.2	0.11	
RT	884+47.68	PE W/ MB	36.8	3.1	36.8	6.9	3.7	0.07	
LT	888+87.15	MB	23.1	1.9	23.1	7.6	2.3	0.05	
LT	889+57.75	PE	22.8	1.9	22.8	3.7	2.3	0.05	
TOTAL =				136.3	1600.0	253.6	160.5	3.2	
USE =				136.0	1600.0	254.0	161.0	3.0	

# SCHEDULE OF QUANTITIES

SCHEDULE OF EARTHWORK QUANTITIES						
LOCATION	20200100 EARTH EXC. (CU YD)	20200500 EARTH EX. (WIDENING) (CU YD)	50200100 STR. EXC. (CU YD)	EXCAVATION ADJ. FOR SHRINKAGE (CU YD)	EMBANKMENT (CU YD)	BALANCE WASTE (+) SHORTAGE (-) (CU YD)
*SEE SCHEDULE FOR BC WIDENING			1983.0		1487.3	1487.3
S.N. 057-8217 (LT)	1.00		57.50	0.75	34.80	-34.1
S.N. 057-8217 (RT)	9.00		62.50	6.75	4.30	2.5
COOKSVILLE CURVE (LT)	0.00		0.00	0.00	69.20	-69.2
COOKSVILLE CURVE (RT)	0.00		0.00	0.00	158.70	-158.7
S.N. 057-8218 (LT)	0.00		14.30	0.00	11.00	-11.0
S.N. 057-8218 (RT)	0.00		14.30	0.00	1.00	-1.0
S.N. 057-0220 (LT)	0.00		0.00	0.00	52.00	-52.0
S.N. 057-0220 (RT)	0.00		0.00	0.00	46.00	-46.0
S.N. 057-0221 (LT)	3.00		0.00	2.25	119.00	-116.8
S.N. 057-0221 (RT)	0.00		0.00	0.00	74.00	-74.0
S.N. 057-0222 (LT)	2.00		0.00	1.50	67.00	-65.5
S.N. 057-0222 (RT)	0.00		0.00	0.00	123.00	-123.0
S.N. 057-8056 (LT)	0.00		0.00	0.00	58.00	-58.0
S.N. 057-8056 (RT)	0.00		0.00	0.00	130.00	-130.0
S.N. 057-0110 (LT)	0.00		0.00	0.00	68.00	-68.0
S.N. 057-0110 (RT)	0.00		0.00	0.00	72.00	-72.0
5'X5' BOX @ 857+89.91 (LT)	0.00		28.40	0.00	107.00	-107.0
5'X5' BOX @ 857+89.91 (RT)	0.00		22.60	0.00	133.00	-133.0
18" PIPE @ 865+56.20 (LT)	45.00		0.00	33.75	27.00	6.8
18" PIPE @ 865+56.20 (RT)	2.00		0.00	1.50	20.00	-18.5
TOTALS =	62.00	1,982.80	199.60			158.75
USE =	62.00	1,983.00	200.00			159.00

**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  
 EARTH EXCAVATION (WIDENING) SHALL BE USED AS EMBANKMENT  
 STRUCTURE EXCAVATION SHALL NOT BE USED AS EMBANKMENT

**PAY ITEMS**

20200100-EARTH EXCAVATION	62.0	CU YD
20200500-EARTH EX (WIDENING)	1983.0	CU YD
50200100-STRUCTURE EXCAVATION	200.0	CU YD

STATION	SIDE	28100201 STONE RIPRAP, CLASS A1 (TON)	28100107 STONE RIPRAP, CLASS A4 (SQ YD)	28100109 STONE RIPRAP, CLASS A5 (SQ YD)	28200200 FILTER FABRIC (SQ YD)
510+24.59	LT/RT	62.8			94.3
510+24.59	LT		18.6		18.6
865+56.20	RT		8.5		8.5
875+07.40	LT		9.7		9.7
892+60.00	LT/RT			89.3	89.3
TOTAL =		62.8	36.8	89.3	220.4
USE =		63.0	37.0	90.0	221.0

LANDSCAPING SCHEDULE							
LOCATION	AREA (SQ FT)	25000210 SEEDING CLASS 2A (ACRE)	25000400 NITROGEN FERTILIZER NUTRIENT (POUND)	25000500 PHOSPHORUS FERTILIZER NUTRIENT (POUND)	25000600 POTASSIUM FERTILIZER NUTRIENT (POUND)	25100115 MULCH METHOD 2 (ACRE)	28000250 TEMPORARY EROSION SEEDING (POUND)
S.N. 057-8217	863.3	0.020	1.78	1.78	1.78	0.020	1.98
COOKSVILLE CURVE	13425.1	0.308	27.74	27.74	27.74	0.308	30.82
S.N. 057-8218	1187.5	0.027	2.45	2.45	2.45	0.027	2.73
S.N. 057-0220	9913.0	0.228	20.48	20.48	20.48	0.228	22.76
S.N. 057-0221	11850.0	0.272	24.48	24.48	24.48	0.272	27.20
S.N. 057-0222	13600.0	0.312	28.10	28.10	28.10	0.312	31.22
S.N. 057-8056	8100.0	0.186	16.74	16.74	16.74	0.186	18.60
S.N. 057-0110	7200.0	0.165	14.88	14.88	14.88	0.165	16.53
5'X5' BOX @ 857+89.91	9409.0	0.216	19.44	19.44	19.44	0.216	21.60
18" PIPE @ 865+56.20	4147.0	0.095	8.57	8.57	8.57	0.095	9.52
TOTALS =		1.83	164.7	164.7	164.7	1.83	183.0
USE =		2.0	180.0	180.0	180.0	2.0	200.0

63200310 GUARDRAIL REMOVAL SCHEDULE						
LOCATION	STATION	TO	STATION	LENGTH (FOOT)		
COOKSVILLE CURVE	RT	511+65.00	TO	RT 519+19.50	762.5	
	LT	584+84.64	TO	LT 585+74.45	87.5	
S.N. 057-0220	RT	584+84.65	TO	RT 585+74.46	87.5	
	LT	586+06.65	TO	LT 586+96.46	87.5	
S.N. 057-0221	RT	586+06.66	TO	RT 586+96.47	87.5	
	LT	642+62.62	TO	LT 644+02.43	137.5	
S.N. 057-0221	RT	642+82.33	TO	RT 644+22.14	137.5	
	LT	644+66.18	TO	LT 646+30.99	162.5	
S.N. 057-0222	RT	644+85.36	TO	RT 645+87.67	100.0	
	LT	756+21.46	TO	LT 757+98.77	187.5	
S.N. 057-0222	RT	755+69.21	TO	RT 758+21.52	250.0	
	LT	758+53.72	TO	LT 759+81.03	137.5	
S.N. 057-0110	RT	758+76.18	TO	RT 761+15.99	237.5	
	LT	824+02.76	TO	LT 825+42.57	137.5	
EXIST. 4'x6' BOX @ STA. 857+89.91	RT	823+03.14	TO	RT 825+30.45	225.0	
	LT	827+86.87	TO	LT 831+51.68	362.5	
EXIST. 4'x6' BOX @ STA. 857+89.91	RT	827+86.92	TO	RT 830+51.73	262.5	
	LT	857+36.00	TO	LT 859+11.00	175.0	
	RT	856+69.00	TO	RT 858+44.00	175.0	
TOTALS =				3800.0		

**28000500 INLET & PIPE PROTECTION**

SIDE	STATION	EACH
LT	509+92.49	1.0
LT	865+56.20	1.0
RT	865+56.20	1.0
TOTAL =		3.0

**50104300 CONCRETE HEADWALL REMOVAL**

SIDE	STATION	CU YD
LT	509+91.63	1.8
RT	509+91.63	2.7
TOTAL =		4.5

# SCHEDULE OF QUANTITIES

## 48102100 AGGREGATE WEDGE SHOULDER, TYPE B

SIDE	STATION	TO	STATION	LENGTH (FOOT)	SHLDRS (TON)
LT	500+75.00	TO	500+90.00	15.0	0.2
LT	500+90.00	TO	521+81.59	2,091.6	67.0
STATION EQUATION - 521+81.59 (BK) = 525+30.10 (AH)					
LT	525+30.10	TO	573+36.27	4,806.2	78.8
STATION EQUATION - 573+36.27 (BK) = 575+56.90 (AH)					
LT	575+56.90	TO	585+39.13	982.2	14.3
OMISSION - S.N. 057-0220					
LT	586+49.07	TO	643+70.48	5,721.4	89.0
OMISSION - S.N. 057-0221					
LT	644+99.60	TO	757+39.01	11,239.4	167.9
OMISSION - S.N. 057-0222					
LT	759+04.87	TO	762+75.83	371.0	5.4
STATION EQUATION - 762+75.83 (BK) = 762+84+88 (AH)					
LT	762+84.88	TO	812+18.51	4,933.6	77.6
STATION EQUATION - 812+18.51 (BK) = 813+54.31 (AH)					
LT	813+54.31	TO	825+15.97	1,161.7	17.0
OMISSION - S.N. 057-0110					
LT	828+01.39	TO	847+59.00	1,957.6	31.4
STATION EQUATION - 847+59.00 (BK) = 849+88.76 (AH)					
LT	849+88.76	TO	889+86.00	3,997.2	67.2
STATION EQUATION - 889+86.00 (BK) = 878+38.00 (AH)					
LT	878+38.00	TO	886+97.00	859.0	12.5
STATION EQUATION - 889+86.00 (BK) = 878+38.00 (AH)					
LT	888+37.00	TO	897+20.00	883.0	12.9
LEFT SIDE TOTAL =					641.3

## 48102100 AGGREGATE WEDGE SHOULDER, TYPE B (CONT.)

SIDE	STATION	TO	STATION	LENGTH (FOOT)	SHLDRS (TON)
RT	500+75.00	TO	500+90.00	15.0	0.2
RT	500+90.00	TO	521+81.59	2,091.6	34.6
STATION EQUATION - 521+89.59 (BK) = 525+30.10 (AH)					
RT	525+30.10	TO	573+36.27	4,806.2	70.2
STATION EQUATION - 573+36.27 (BK) = 575+56.90 (AH)					
RT	575+56.90	TO	585+39.13	982.2	14.3
OMISSION - S.N. 057-0220					
RT	586+49.07	TO	643+70.48	5,721.4	83.5
OMISSION - S.N. 057-0221					
RT	644+99.60	TO	757+39.01	11,239.4	167.0
OMISSION - S.N. 057-0222					
RT	759+04.87	TO	762+75.83	371.0	5.4
STATION EQUATION - 762+75.83 (BK) = 762+84.88 (AH)					
RT	762+84.88	TO	812+18.51	4,933.6	81.3
STATION EQUATION - 812+18.51 (BK) = 813+54.31 (AH)					
RT	813+54.31	TO	825+15.97	1,161.7	17.0
OMISSION - S.N. 057-0110					
RT	828+01.39	TO	847+59.00	1,957.6	31.5
STATION EQUATION - 847+59.00 (BK) = 849+88.76 (AH)					
RT	849+88.76	TO	889+86.00	3,997.2	72.6
STATION EQUATION - 889+86.00 (BK) = 878+38.00 (AH)					
RT	878+38.00	TO	886+44.00	806.0	11.8
STATION EQUATION - 887+53.70 (BK) = 887+71.00 (AH)					
RT	888+24.00	TO	897+20.00	896.0	13.1
RIGHT SIDE TOTAL =					602.5
GRAND TOTAL =					1,243.8
USE =					1,244.0

## 28000400 PERIMETER EROSION BARRIER

SIDE	STATION	TO	STATION	FOOT
LT	509+75.00	TO	510+05.00	30.0
RT	509+75.00	TO	510+45.00	70.0
LT	510+35.00	TO	521+82.00	1147.0
RT	512+00.00	TO	519+20.00	720.0
RT	521+00.00	TO	521+82.00	82.0
LT & RT	525+30.00	TO	527+00.00	340.0
LT & RT	583+00.00	TO	585+39.00	478.0
LT & RT	586+50.00	TO	588+45.00	390.0
LT & RT	641+30.00	TO	643+70.00	480.0
LT & RT	645+00.00	TO	648+00.00	600.0
LT & RT	754+00.00	TO	757+00.00	600.0
LT & RT	759+00.00	TO	762+00.00	600.0
LT & RT	799+00.00	TO	805+00.00	1200.0
LT & RT	822+00.00	TO	825+00.00	600.0
LT & RT	828+00.00	TO	831+00.00	600.0
LT & RT	855+00.00	TO	861+00.00	1200.0
LT & RT	863+00.00	TO	866+25.00	650.0
TOTAL =				9787.0
USE =				9787.0

## X0323988 TEMPORARY SOIL RETENTION SYSTEM

STATION	SIDE	RETENTION LENGTH (FT)	RETENTION HEIGHT (FT)	AREA (SQ FT)
857+89.91	LT	30	9	270.0
857+89.91	RT	30	9	270.0
TOTAL =				540.0
USE =				540.0

STATION	XZ193400 SURVEY MARKER TY 2, (SPECIAL) (EACH)	X0301232 SURVEY MARKER VAULT (EACH)	Z0070100 SURVEY MONUMENT COVER ASSEMBLY (EACH)
509+19.90	1.0		
521+81.59	1.0		
565+37.58	1.0		
573+36.27	1.0		
613+70.31	1.0		
619+86.03	1.0		
626+01.73	1.0		
637+08.73	1.0		
638+42.95	1.0		
639+77.17	1.0		
666+03.82	1.0		
670+67.42	1.0		
673+23.00		1.0	
675+31.01	1.0		
721+53.68	1.0		
726+36.00		1.0	
752+84.31	1.0		
762+75.83	1.0		
766+84.28	1.0		
790+84.28	1.0		
803+34.15	1.0		
812+18.51	1.0		
847+59.00	1.0		
866+85.00	1.0		
872+03.65	1.0		
877+22.25	1.0		
883+46.34	1.0		
886+87.70			1.0
887+53.70			1.0
899+68.39	1.0		
SE COR SEC 6		1.0	
NE COR SEC 11			1.0
TOTAL =	26.0	3.0	3.0

STATION	SIDE	20700220 POROUS GRANULAR EMBANKMENT (CU YD)	20900110 POROUS GRANULAR BACKFILL (CU YD)
510+24.59	LT/RT	20.8	
525+00.00	LT/RT	77.1	
857+89.91	LT/RT	102.9	
865+56.20	LT/RT		6.2
TOTAL =		200.8	6.2
USE =		201.0	7.0

# SCHEDULE OF QUANTITIES

PROPOSED GUARDRAIL SCHEDULE																		
LOCATION	SIDE	APP/DEP	63100085				63100167				78201000	63000001				78200405		
			TRAFFIC BARRIER TERMINAL, TYPE 6				TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT				TERMINAL MARKER DIR. APPLIED	STEEL PLATE BEAM GUARDRAIL TYPE A, 6 FOOT POSTS				GUARDRAIL MARKERS		
			STATION	TO		(EACH)	STATION	TO	STATION	(EACH)	(EACH)	STATION	TO	STATION	LENGTH (FOOT)	EACH		
COOKSVILLE CURVE	RT	N/A						511+65.00	TO	512+15.00	1.0	1.0	512+15.00	TO	518+69.50	668.75	4.0	
	RT	N/A						518+69.50	TO	519+19.50	1.0	1.0						
S.N. 057-0220	RT	APP	585+15.97	TO	585+61.62	1.0	583+15.97	TO	583+65.97	1.0	1.0	583+65.97	TO	585+15.97	150	4.0		
	RT	DEP	586+26.65	TO	586+72.30	1.0	587+34.80	TO	587+84.80	1.0	1.0	586+72.30	TO	587+34.80	62.5	4.0		
	LT	APP	585+15.97	TO	585+61.62	1.0	584+03.47	TO	584+53.47	1.0	1.0	584+53.47	TO	585+15.97	62.5	4.0		
	LT	DEP	586+26.65	TO	586+72.30	1.0	587+72.30	TO	588+22.30	1.0	1.0	586+72.30	TO	587+72.30	100	4.0		
S.N. 057-0221	RT	APP	643+63.51	TO	644+09.16	1.0	641+63.51	TO	642+13.51	1.0	1.0	642+13.51	TO	643+63.51	150	4.0		
	RT	DEP	644+80.22	TO	645+25.87	1.0	645+88.37	TO	646+38.37	1.0	1.0	645+25.87	TO	645+88.37	62.5	4.0		
	LT	APP	643+43.92	TO	643+89.57	1.0	642+31.42	TO	642+81.42	1.0	1.0	642+81.42	TO	643+43.92	62.5	4.0		
S.N. 057-0222	LT	DEP	644+61.39	TO	645+07.04	1.0	646+57.07	TO	647+07.04	1.0	1.0	645+07.04	TO	646+57.04	150	4.0		
	RT	APP	757+60.66	TO	758+06.31	1.0	755+35.66	TO	755+85.66	1.0	1.0	755+85.66	TO	757+60.66	175	4.0		
	RT	DEP	758+84.68	TO	759+30.33	1.0	760+30.33	TO	760+80.33	1.0	1.0	759+30.33	TO	760+30.33	100	4.0		
	LT	APP	757+41.40	TO	757+87.05	1.0	756+28.90	TO	756+78.90	1.0	1.0	756+78.90	TO	757+41.40	62.5	4.0		
S.N. 057-8056	LT	DEP	758+66.51	TO	759+12.16	1.0	760+62.16	TO	761+12.16	1.0	1.0	759+12.16	TO	760+62.16	150	4.0		
	RT	APP		TO			799+68.79	TO	800+18.79	1.0	1.0		TO			4.0		
	RT	DEP		TO			802+56.29	TO	803+06.29	1.0	1.0	800+18.79	TO	802+56.29	237.5			
	LT	APP		TO			800+56.29	TO	801+06.29	1.0	1.0	801+06.29	TO	803+43.79	237.5			
S.N. 057-0110	LT	DEP		TO			803+43.79	TO	803+93.79	1.0	1.0		TO			4.0		
	RT	APP	824+72.77	TO	825+18.42	1.0	822+72.77	TO	823+22.77	1.0	1.0	823+22.77	TO	824+72.77	150	4.0		
	RT	DEP	827+98.92	TO	828+44.57	1.0	829+07.07	TO	829+57.07	1.0	1.0	828+44.57	TO	829+07.07	62.5	4.0		
	LT	APP	824+72.77	TO	825+18.42	1.0	823+60.27	TO	824+10.27	1.0	1.0	824+10.27	TO	824+72.77	62.5	4.0		
PROP 5'X5' PC BOX @ STA 857+89.91	LT	DEP	827+98.92	TO	828+44.57	1.0	829+94.57	TO	830+44.57	1.0	1.0	828+44.57	TO	829+94.57	150	4.0		
	RT	APP		TO			855+65.16	TO	856+15.16	1.0	1.0		TO					
	RT	DEP		TO			858+77.66	TO	859+27.66	1.0	1.0	856+15.16	TO	858+77.66	262.5	4.0		
	LT	APP		TO			856+52.50	TO	857+02.50	1.0	1.0	857+02.50	TO	859+65.00	262.5	4.0		
							859+65.00	TO	860+15.00	1.0	1.0		TO					
TOTALS =						16.0					26.0	26.0					3,381.3	84.0
USE =						16.0					26.0	26.0					3,382.0	84.0

STATION	DIRECTION	LENGTH (FOOT)	WIDTH (FOOT)	DEPTH (INCH)	X4401705	X4421000
					PARTIAL DEPTH REMOVAL (SQ YD)	PARTIAL DEPTH PATCHING (TON)
582+00.00	EB	80.0	4.0	2.25	35.6	4.5
TOTAL =					35.6	4.5
USE =					36.0	5.0

# SCHEDULE OF QUANTITIES

STATION	DIRECTION	LENGTH (FOOT)	WIDTH (FOOT)	DEPTH (INCH)	44201785
					CLASS D PATCH TYPE I, 12 INCH (SQ YD)
501+73.00	WB	4.0	11.0	12.0	4.9
513+88.00	WB	4.0	11.0	12.0	4.9
517+00.00	WB	4.0	11.0	12.0	4.9
520+96.00	WB	4.0	11.0	12.0	4.9
535+97.00	WB	4.0	11.0	12.0	4.9
545+52.00	EB	4.0	11.0	12.0	4.9
545+52.00	WB	4.0	11.0	12.0	4.9
560+20.00	EB	4.0	11.0	12.0	4.9
561+60.00	EB	4.0	11.0	12.0	4.9
572+40.00	EB	4.0	11.0	12.0	4.9
581+00.00	WB	4.0	11.0	12.0	4.9
581+00.00	EB	4.0	11.0	12.0	4.9
609+39.00	WB	4.0	11.0	12.0	4.9
609+39.00	EB	4.0	11.0	12.0	4.9
624+01.00	WB	4.0	11.0	12.0	4.9
624+01.00	EB	4.0	11.0	12.0	4.9
638+26.00	WB	4.0	11.0	12.0	4.9
638+26.00	EB	4.0	11.0	12.0	4.9
688+98.00	EB	4.0	11.0	12.0	4.9
688+98.00	WB	4.0	11.0	12.0	4.9
811+38.00	WB	4.0	11.0	12.0	4.9
811+38.00	EB	4.0	11.0	12.0	4.9
842+02.00	EB	4.0	11.0	12.0	4.9
842+02.00	WB	4.0	11.0	12.0	4.9
846+06.00	EB	4.0	11.0	12.0	4.9
846+06.00	WB	4.0	11.0	12.0	4.9
TOTAL =					127.1
USE =					128.0

STATION	DIRECTION	LENGTH (FOOT)	WIDTH (FOOT)	DEPTH (INCH)	44201789
					CLASS D PATCH TYPE II, 12 INCH (SQ YD)
501+33.00	WB	8.0	11.0	12.0	9.8
501+33.00	EB	8.0	11.0	12.0	9.8
512+34.00	EB	8.0	11.0	12.0	9.8
512+34.00	WB	8.0	11.0	12.0	9.8
515+12.00	WB	8.0	11.0	12.0	9.8
519+27.00	WB	8.0	11.0	12.0	9.8
534+56.00	EB	6.0	11.0	12.0	7.3
539+60.00	EB	6.0	11.0	12.0	7.3
539+60.00	WB	6.0	11.0	12.0	7.3
547+00.00	EB	8.0	11.0	12.0	9.8
547+00.00	WB	8.0	11.0	12.0	9.8
551+50.00	WB	8.0	11.0	12.0	9.8
551+50.00	EB	8.0	11.0	12.0	9.8
562+52.00	WB	8.0	11.0	12.0	9.8
592+00.00	WB	6.0	11.0	12.0	7.3
594+40.00	EB	6.0	11.0	12.0	7.3
598+11.00	WB	6.0	11.0	12.0	7.3
598+11.00	EB	6.0	11.0	12.0	7.3
606+59.00	EB	8.0	11.0	12.0	9.8
606+59.00	WB	10.0	11.0	12.0	12.2
625+33.00	EB	8.0	11.0	12.0	9.8
629+00.00	WB	6.0	11.0	12.0	7.3
629+00.00	EB	6.0	11.0	12.0	7.3
630+05.00	EB	6.0	11.0	12.0	7.3
630+05.00	WB	6.0	11.0	12.0	7.3
641+26.00	WB	6.0	11.0	12.0	7.3
641+26.00	EB	6.0	11.0	12.0	7.3
647+60.00	WB	8.0	11.0	12.0	9.8
647+60.00	EB	6.0	11.0	12.0	7.3
660+90.00	EB	6.0	11.0	12.0	7.3
660+90.00	WB	6.0	11.0	12.0	7.3
662+07.00	WB	10.0	11.0	12.0	12.2
683+56.00	EB	10.0	11.0	12.0	12.2
683+56.00	WB	10.0	11.0	12.0	12.2
689+47.00	WB	12.0	11.0	12.0	14.7
689+47.00	EB	12.0	11.0	12.0	14.7
691+30.00	EB	6.0	11.0	12.0	7.3
709+13.00	EB	6.0	11.0	12.0	7.3
709+13.00	WB	6.0	11.0	12.0	7.3
711+71.00	WB	6.0	11.0	12.0	7.3
714+20.00	WB	6.0	11.0	12.0	7.3
718+92.00	EB	8.0	11.0	12.0	9.8
718+92.00	WB	8.0	11.0	12.0	9.8

STATION	DIRECTION	LENGTH (FOOT)	WIDTH (FOOT)	DEPTH (INCH)	44201789
					CLASS D PATCH TYPE II, 12 INCH (SQ YD)
722+57.00	WB	8.0	11.0	12.0	9.8
729+13.00	WB	8.0	11.0	12.0	9.8
729+13.00	EB	8.0	11.0	12.0	9.8
729+61.00	WB	12.0	11.0	12.0	14.7
731+50.00	EB	6.0	11.0	12.0	7.3
731+60.00	WB	6.0	11.0	12.0	7.3
733+66.00	WB	6.0	11.0	12.0	7.3
733+66.00	EB	6.0	11.0	12.0	7.3
740+65.00	WB	6	11	12	7.3
740+65.00	EB	6	11	12	7.3
771+70.00	WB	10.0	11.0	12.0	12.2
774+97.00	WB	6.0	11.0	12.0	7.3
774+97.00	EB	6.0	11.0	12.0	7.3
777+54.00	EB	10.0	11.0	12.0	12.2
779+33.00	EB	10.0	11.0	12.0	12.2
793+70.00	WB	6.0	11.0	12.0	7.3
794+72.00	WB	6.0	11.0	12.0	7.3
810+83.00	WB	8.0	11.0	12.0	9.8
816+34.00	WB	8.0	11.0	12.0	9.8
816+34.00	EB	8.0	11.0	12.0	9.8
821+00.00	WB	6.0	11.0	12.0	7.3
836+94.00	WB	6.0	11.0	12.0	7.3
836+94.00	EB	6.0	11.0	12.0	7.3
856+26.00	WB	10.0	11.0	12.0	12.2
857+17.00	EB	8.0	11.0	12.0	9.8
859+00.00	WB	8	11	12	9.8
859+00.00	EB	8	11	12	9.8
867+48.00	WB	10.0	11.0	12.0	12.2
867+48.00	EB	10.0	11.0	12.0	12.2
874+00.00	EB	6.0	11.0	12.0	7.3
874+00.00	WB	6.0	11.0	12.0	7.3
875+33.00	WB	8.0	11.0	12.0	9.8
878+36.00	WB	8.0	11.0	12.0	9.8
878+36.00	EB	8.0	11.0	12.0	9.8
878+99.00	WB	8.0	11.0	12.0	9.8
881+07.00	WB	8.0	11.0	12.0	9.8
881+35.00	EB	10.0	11.0	12.0	12.2
884+38.00	EB	6	11.0	12.0	7.3
884+84.00	EB	6	11.0	12.0	7.3
886+16.00	WB	6.0	11.0	12.0	7.3
886+16.00	EB	6.0	11.0	12.0	7.3
895+91.00	WB	8.0	11.0	12.0	9.8
895+91.00	EB	8.0	11.0	12.0	9.8
896+87.00	EB	6.0	11.0	12.0	7.3
896+87.00	WB	6.0	11.0	12.0	7.3
TOTAL =					799.3
USE =					800.0



# SCHEDULE OF QUANTITIES

STATION	DIRECTION	LENGTH (FOOT)	WIDTH (FOOT)	DEPTH (INCH)	44201794
					CLASS D PATCH TYPE III, 12 INCH (SQ YD)
610+44.00	WB	15.0	11.0	12.0	18.3
610+44.00	EB	15.0	11.0	12.0	18.3
627+05.00	WB	20.0	11.0	12.0	24.4
627+05.00	EB	20.0	11.0	12.0	24.4
633+50.00	WB	20.0	11.0	12.0	24.4
633+50.00	EB	20.0	11.0	12.0	24.4
658+81.00	WB	15.0	11.0	12.0	18.3
658+81.00	EB	15.0	11.0	12.0	18.3
670+18.00	EB	15.0	11.0	12.0	18.3
672+70.00	EB	15.0	11.0	12.0	18.3
672+70.00	WB	15.0	11.0	12.0	18.3
678+30.00	WB	15.0	11.0	12.0	18.3
678+30.00	EB	15.0	11.0	12.0	18.3
686+33.00	WB	15.0	11.0	12.0	18.3
686+66.00	EB	15.0	11.0	12.0	18.3
686+83.00	WB	15.0	11.0	12.0	18.3
701+60.00	EB	15.0	11.0	12.0	18.3
703+08.00	EB	20.0	11.0	12.0	24.4
716+37.00	EB	20.0	11.0	12.0	24.4
738+26.00	EB	15.0	11.0	12.0	18.3
738+26.00	WB	15.0	11.0	12.0	18.3
751+22.00	WB	15.0	11.0	12.0	18.3
751+22.00	EB	15.0	11.0	12.0	18.3
789+50.00	WB	15.0	11.0	12.0	18.3
789+51.00	EB	15.0	11.0	12.0	18.3
790+90.00	EB	15.0	11.0	12.0	18.3
841+06.00	EB	15.0	11.0	12.0	18.3
841+52.00	EB	20.0	11.0	12.0	24.4
841+52.00	WB	20.0	11.0	12.0	24.4
865+56.20	BOTH	7.3	22.0	12.0	17.7
TOTAL =					598.3
USE =					599.0

STATION	DIRECTION	LENGTH (FOOT)	WIDTH (FOOT)	DEPTH (INCH)	44201796
					CLASS D PATCH TYPE IV, 12 INCH (SQ YD)
510+24.59	BOTH	15.2	45.0	12.0	76.0
525+50.00	BOTH	27.2	27.6	12.0	83.4
703+08.00	EB	30.0	11.0	12.0	36.7
791+50.00	WB	35.0	11.0	12.0	42.8
857+89.91	BOTH	30.0	21.4	12.0	71.3
865+56.00	WB	30.0	11.0	12.0	36.7
865+56.00	EB	30.0	11.0	12.0	36.7
TOTAL =					383.5
USE =					384.0

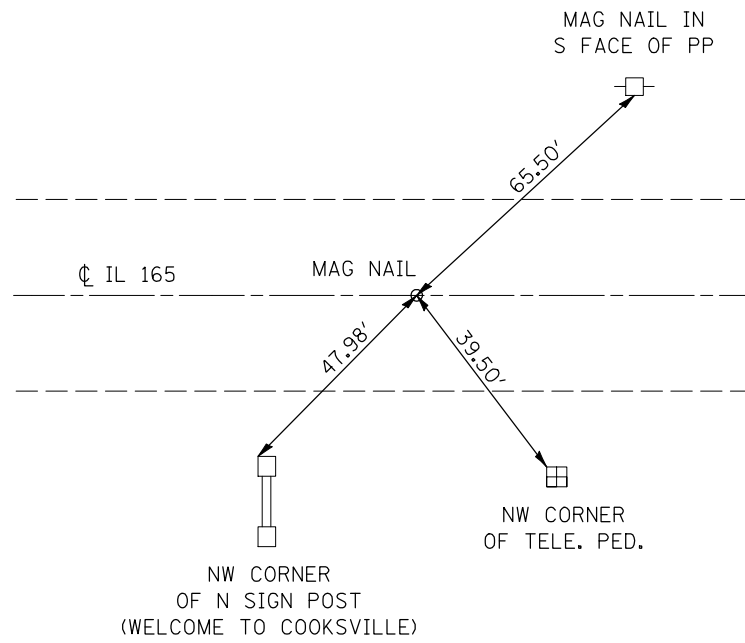
### 35600712 HOT-MIX ASPHALT BASE COURSE WIDENING, 9"

SIDE	STATION	TO	STATION	LENGTH (FOOT)	SQ YD
LT/RT	500+90.00	TO	510+00.46	910.5	202.3
LT	510+00.46	TO	510+33.17	32.7	3.6
	510+33.17	TO	511+52.59	119.4	
RT	511+52.59	TO	519+22.11	769.5	85.5
	519+22.11	TO	520+60.51	138.4	
RT	520+60.51	TO	521+81.59	121.1	13.5
STATION EQUATION - 521+81.59 (BK) = 525+30.10 (AH)					
RT	525+30.10	TO	527+04.34	174.24	19.4
LT/RT	527+04.34	TO	563+22.38	3618.0	804.0
LT	563+22.38	TO	565+65.82	243.4	27.1
	565+65.82	TO	566+95.62	129.8	
LT	566+95.62	TO	571+42.10	446.5	49.6
	571+42.10	TO	572+53.06	111.0	
LT	572+53.06	TO	573+36.27	83.2	9.2
STATION EQUATION - 573+36.27 (BK) = 575+56.90 (AH)					
LT/RT	575+56.90	TO	577+36.00	179.1	39.8
LT/RT	577+36.00	TO	585+39.13	803.1	178.5
OMISSION - S.N. 057-0220					
LT/RT	586+49.07	TO	596+54.77	1005.7	223.5
RT	596+54.77	TO	597+23.07	68.3	7.6
LT/RT	597+23.07	TO	623+37.20	2614.1	580.9
LT	623+37.20	TO	623+73.75	36.6	4.1
LT/RT	623+73.75	TO	643+70.48	1996.7	443.7
OMISSION - S.N. 057-0221					
LT/RT	644+99.60	TO	672+75.26	2775.7	616.8
RT	672+75.26	TO	672+88.97	13.7	1.5
	672+88.97	TO	673+38.18	49.2	
RT	673+38.18	TO	673+41.38	3.2	0.4
LT/RT	673+41.38	TO	699+51.96	2610.6	580.1
RT	699+51.96	TO	700+08.91	57.0	6.3
LT/RT	700+08.91	TO	725+95.81	2586.9	574.9
RT	725+95.81	TO	726+50.24	54.4	6.0
LT/RT	726+50.24	TO	752+34.67	2584.4	574.3
LT	752+34.67	TO	752+76.74	42.1	4.7
LT/RT	752+76.74	TO	757+39.01	462.3	102.7
OMISSION - S.N. 057-0222					

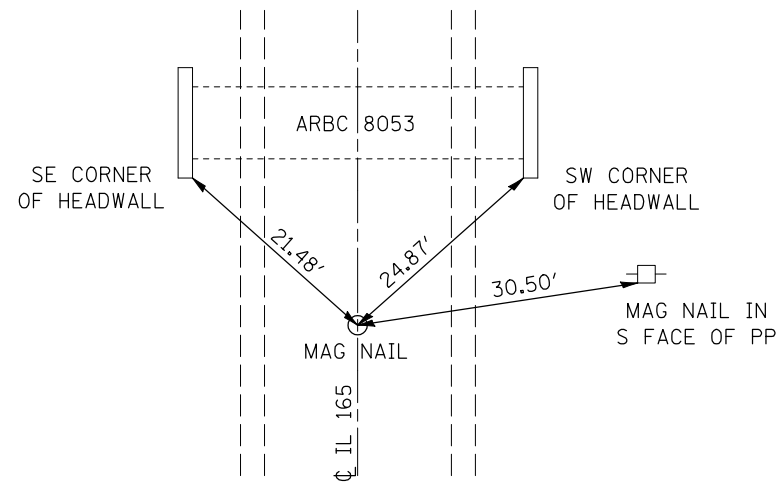
### 35600712 HOT-MIX ASPHALT BASE COURSE WIDENING, 9" (CONT.)

SIDE	STATION	TO	STATION	LENGTH (FOOT)	SHLDRS (TON)
LT/RT	759+04.87	TO	762+75.83	371.0	82.4
STATION EQUATION - 762+75.83 (BK) = 762+84+88 (AH)					
LT/RT	762+84.88	TO	794+45.86	3161.0	702.4
RT	794+45.86	TO	795+14.94	69.1	7.7
LT/RT	795+14.94	TO	802+34.97	720.0	160.0
RT	802+34.97	TO	808+70.68	635.7	70.6
RT	811+62.45	TO	812+18.51	56.1	6.2
STATION EQUATION - 812+18.51 (BK) = 813+54.31 (AH)					
RT	813+54.31	TO	815+37.18	182.9	20.3
LT/RT	815+37.18	TO	825+15.97	978.8	217.5
OMISSION - S.N. 057-0110					
LT/RT	828+01.39	TO	831+69.87	368.5	81.9
LT	831+69.87	TO	832+31.96	62.1	6.9
LT/RT	832+31.96	TO	838+29.63	597.7	132.8
LT	838+29.63	TO	839+81.36	151.7	16.9
	839+81.36	TO	841+02.12	120.8	
LT	841+02.12	TO	842+65.78	163.7	18.2
	842+65.78	TO	843+85.37	119.6	
LT	843+85.37	TO	847+59.00	373.6	41.5
STATION EQUATION - 847+59.00 (BK) = 849+88.76 (AH)					
LT	849+88.76	TO	851+50.00	161.2	17.9
LT/RT	851+50.00	TO	871+35.23	1985.2	441.2
LT	871+35.23	TO	871+97.44	62.2	6.9
LT/RT	871+97.44	TO	884+59.46	1262.0	280.4
LT	884+59.46	TO	885+30.90	71.4	7.9
LT/RT	885+30.90	TO	889+13.16	382.3	84.9
LT	889+13.16	TO	889+86.00	72.8	8.1
STATION EQUATION - 889+86.00 (BK) = 878+38.00 (AH)					
LT	878+38.00	TO	878+39.12	1.12	0.1
LT/RT	878+39.12	TO	879+75.72	136.6	30.4
LT	879+75.72	TO	880+16.34	40.6	4.5
LT/RT	880+16.34	TO	886+43.70	627.4	139.4
LT	886+43.70	TO	886+96.76	53.1	5.9
	886+96.76	TO	887+53.70	56.9	
STATION EQUATION - 887+53.70 (BK) = 887+7100 (AH)					
	887+71.00	TO	888+23.21	52.1	
RT	888+23.21	TO	888+36.28	13.1	1.5
LT/RT	888+36.28	TO	896+30.00	793.7	176.4
GRAND TOTAL =					7,930.8
USE =					7,931.0

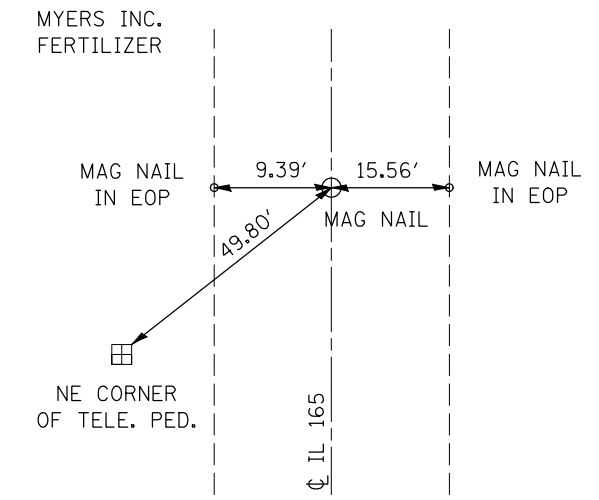
**P.C.**  
**STA. 509 + 19.90**



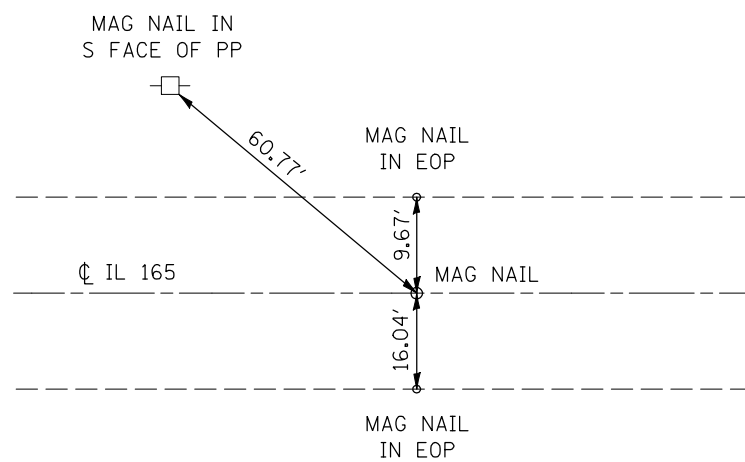
**P.T.**  
**521 + 81.59 (BK) =**  
**525 + 30.10 (AH)**



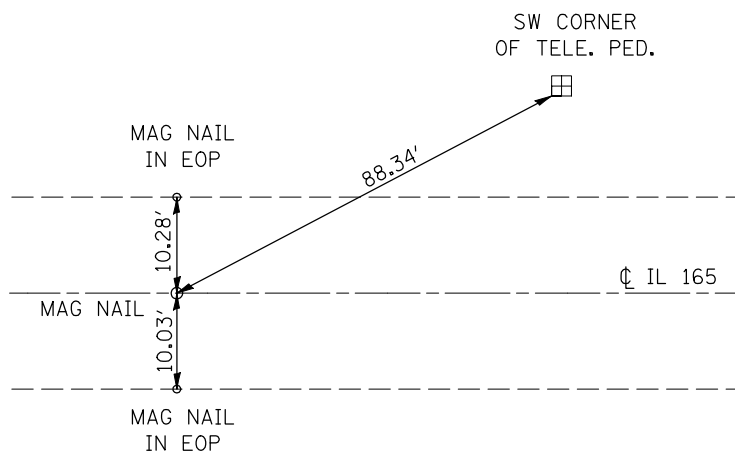
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**STA. 565 + 37.58**



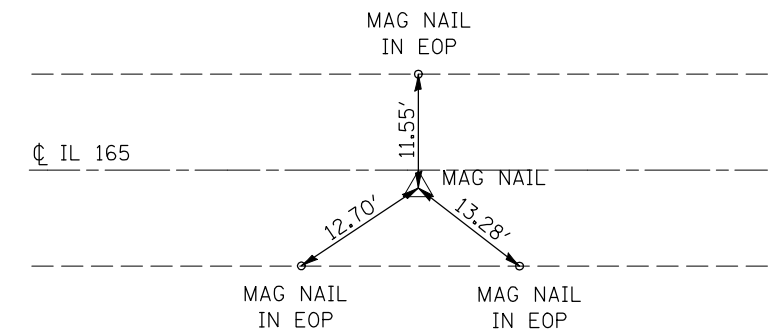
**P.T.**  
**573 + 36.27 (BK) =**  
**575 + 56.90 (AH)**



**P.C.**  
**STA. 613 + 70.31**



**P.I.**  
**STA. 619 + 86.03, 1.60' RT.**



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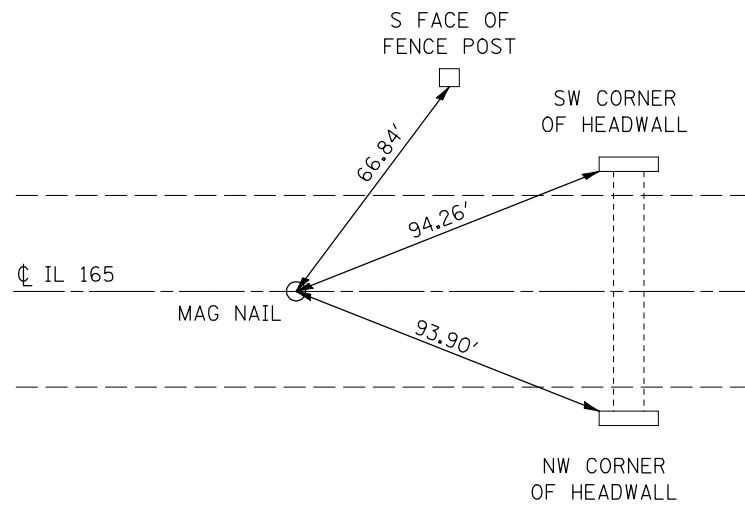
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CENTERLINE TIE POINTS**

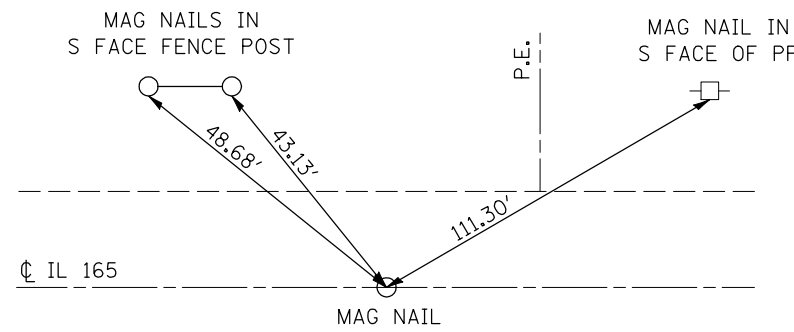
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	18
CONTRACT NO. 70510			ILLINOIS FED. AID PROJECT	

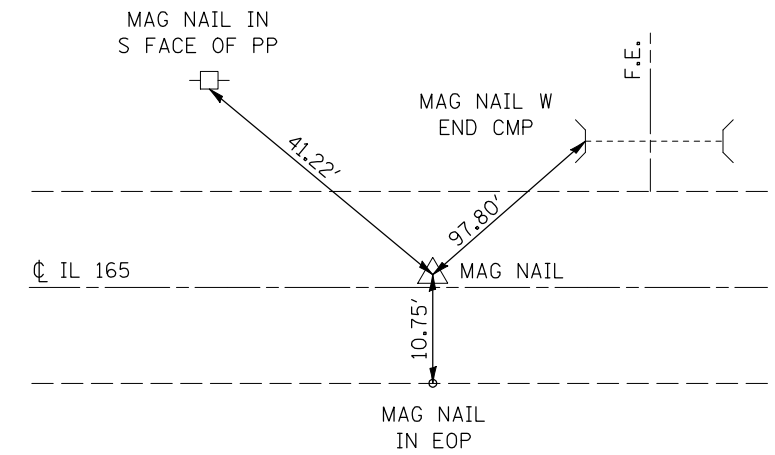
**P.T.**  
**STA. 626 + 01.73**



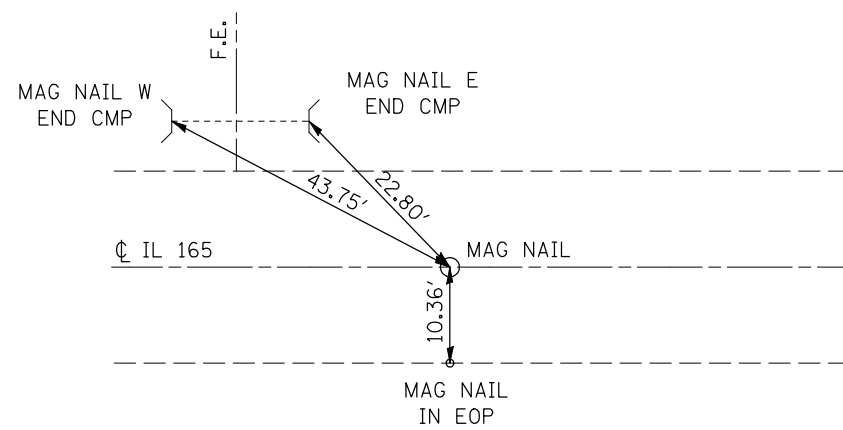
**P.C.**  
**STA. 637 + 08.73**



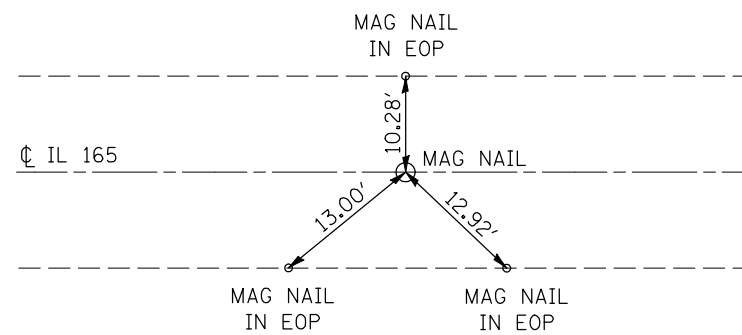
**P.I.**  
**STA. 638 + 42.95, 0.35' LT.**



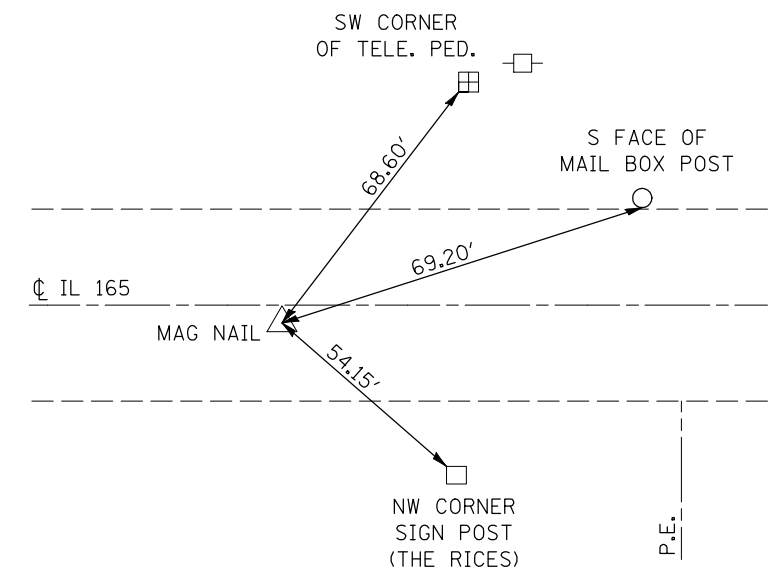
**P.I.**  
**STA. 639 + 77.17**



**P.C.**  
**STA. 666 + 03.82**



**P.I.**  
**STA. 670 + 67.42, 0.69' RT.**



FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -
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	PLOT DATE = 1/13/2010	DATE -	REVISED -

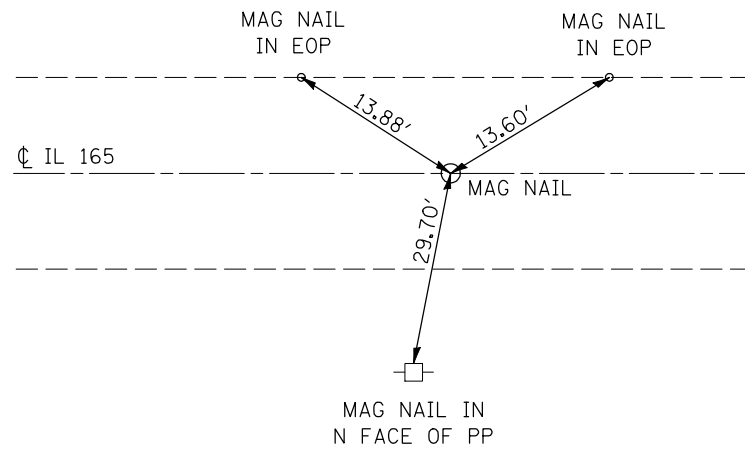
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CENTERLINE TIE POINTS**

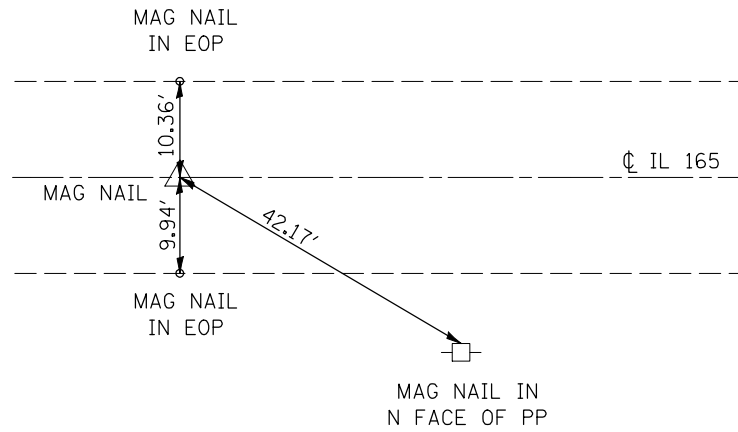
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 70510				
ILLINOIS FED. AID PROJECT				

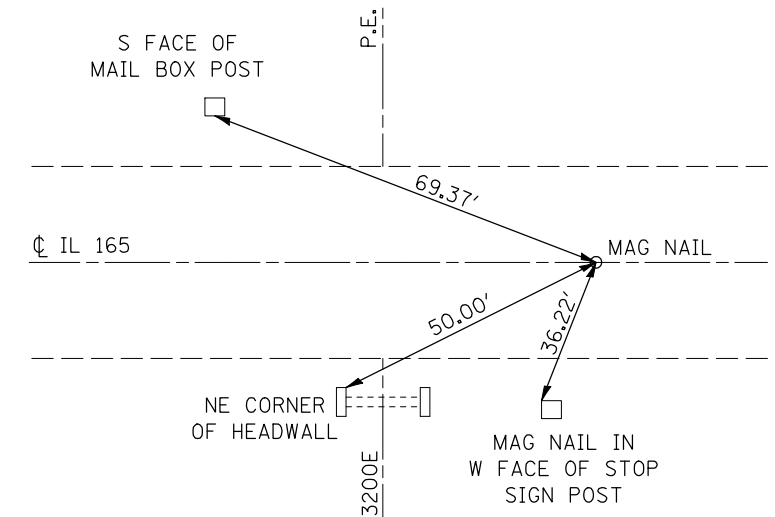
**P.T.**  
**STA. 675 + 31.01**



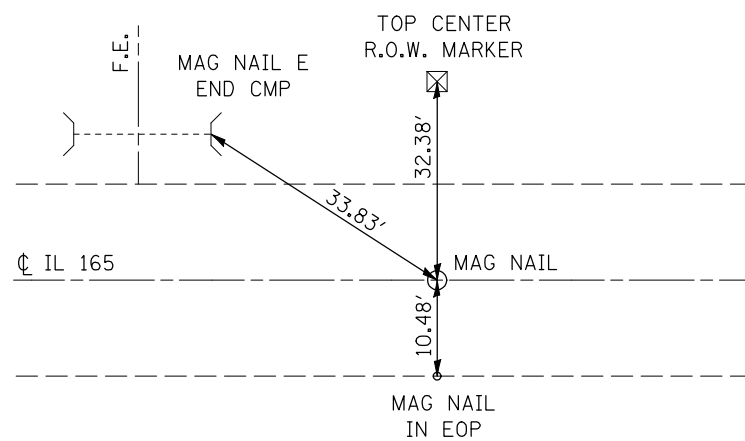
**P.I. KINK**  
**STA. 721 + 53.68, 0.0'**



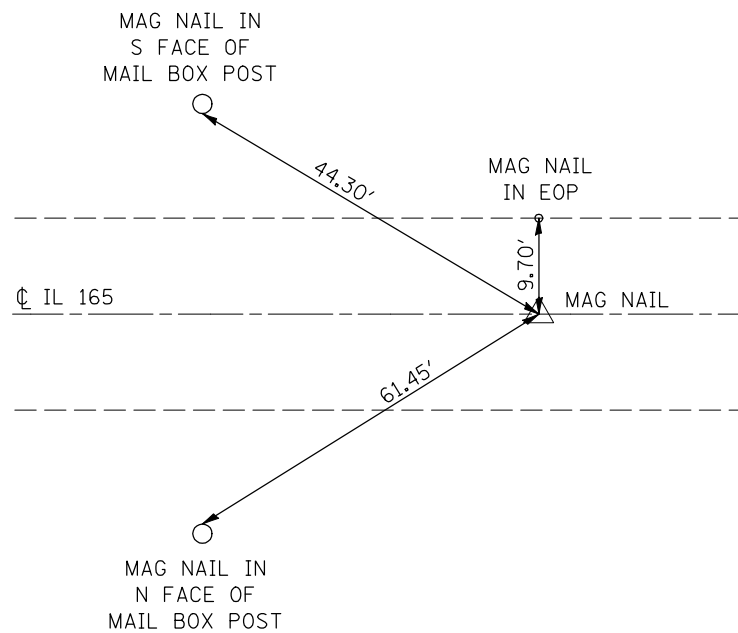
**P.C.**  
**STA. 752 + 84.31**



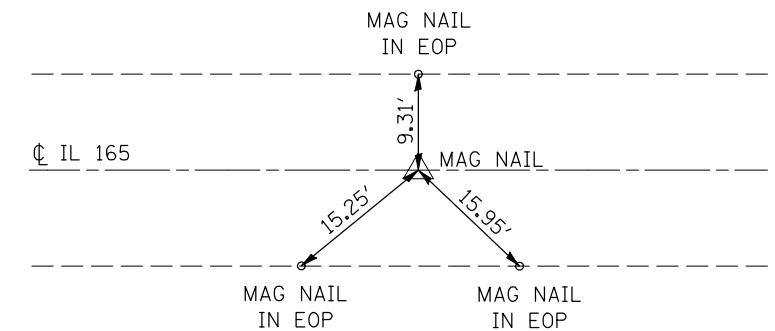
**P.T.**  
**762 + 75.83 (BK) =**  
**762 + 84.88 (AH)**



**P.I. KINK**  
**STA. 766 + 84.28, 0.0'**



**P.I. KINK**  
**STA. 790 + 84.28, 0.0'**



FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -
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	PLOT DATE = 1/13/2010	DATE -	REVISED -

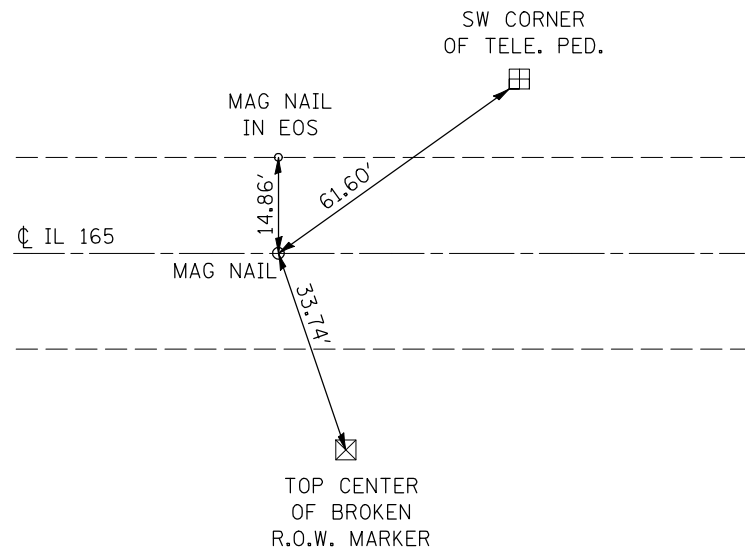
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CENTERLINE TIE POINTS**

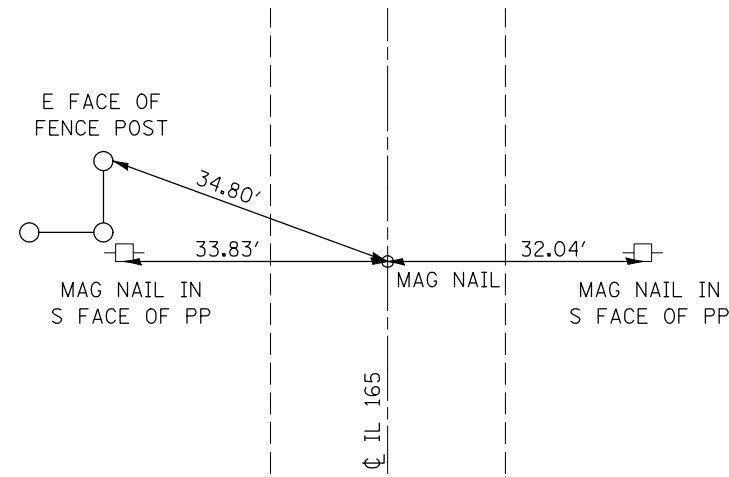
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	20
CONTRACT NO. 70510				
ILLINOIS FED. AID PROJECT				

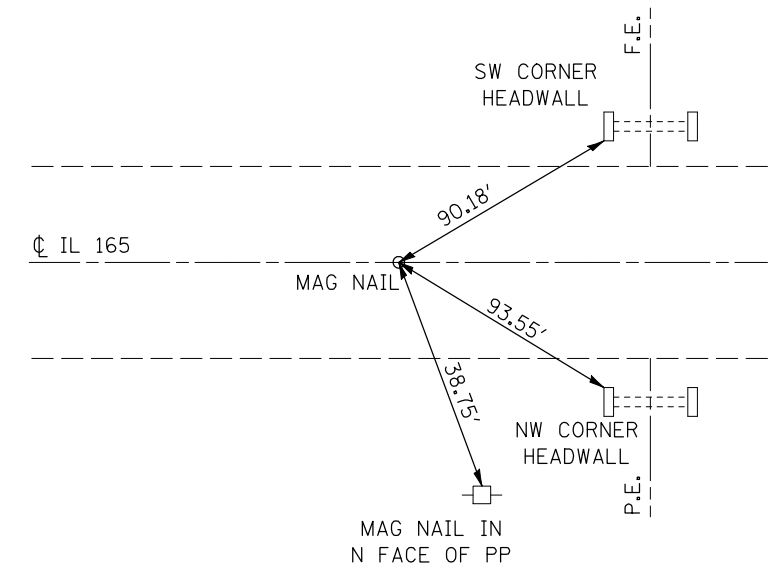
**P.C.**  
**STA. 803 + 34.15**



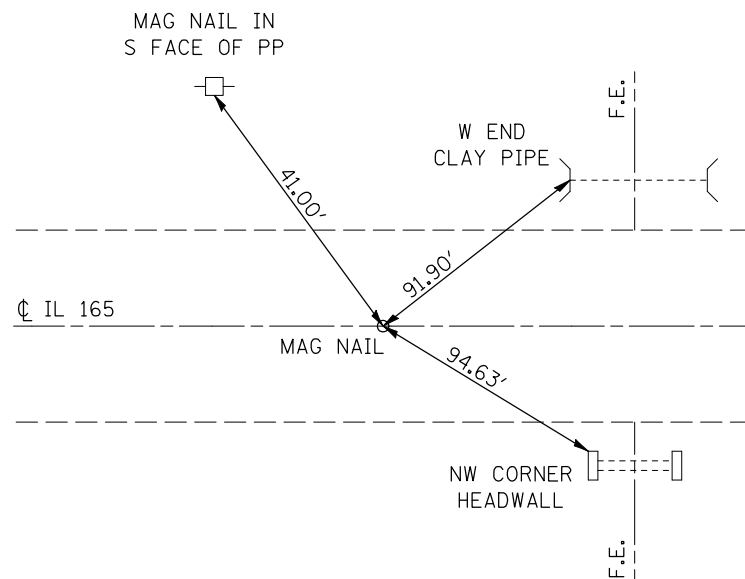
**P.T.**  
**812 + 18.51 (BK) =**  
**813 + 54.31 (AH)**



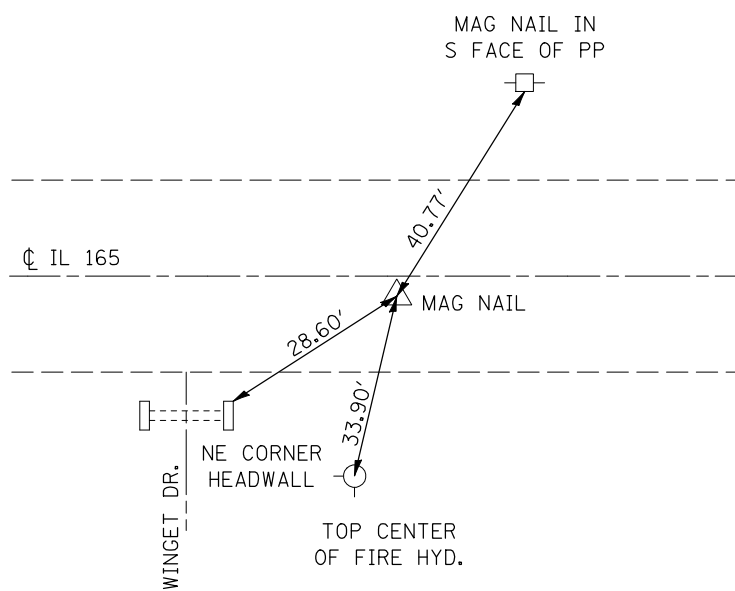
**P.T.**  
**847 + 59.00 (BK) =**  
**849 + 88.76 (AH)**



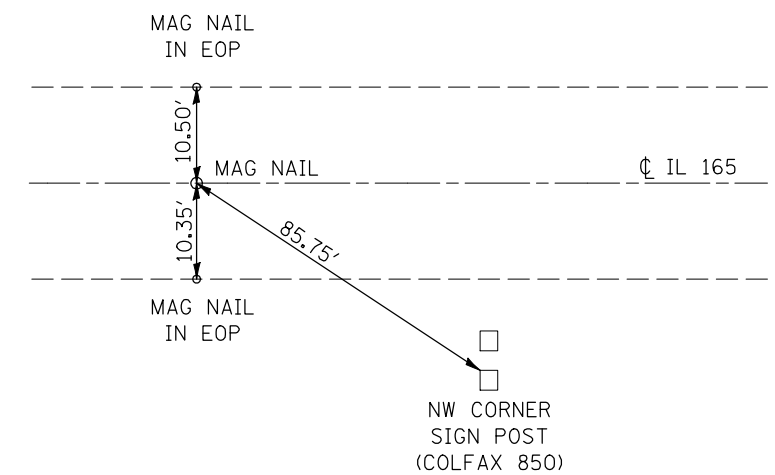
**P.C.**  
**STA. 866 + 85.00**



**P.I.**  
**STA. 872 + 03.65, 3.25' RT.**



**P.T.**  
**STA. 877 + 22.25**



FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -
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	PLOT DATE = 1/13/2010	DATE -	REVISED -

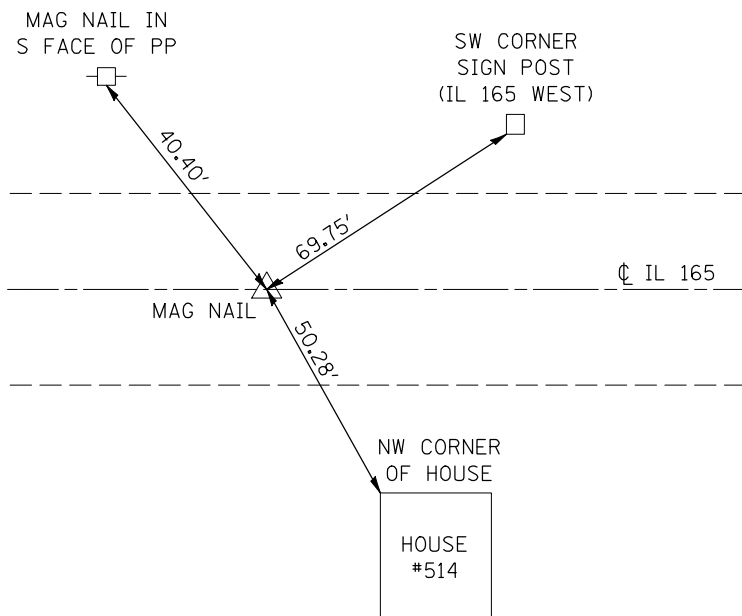
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CENTERLINE TIE POINTS**

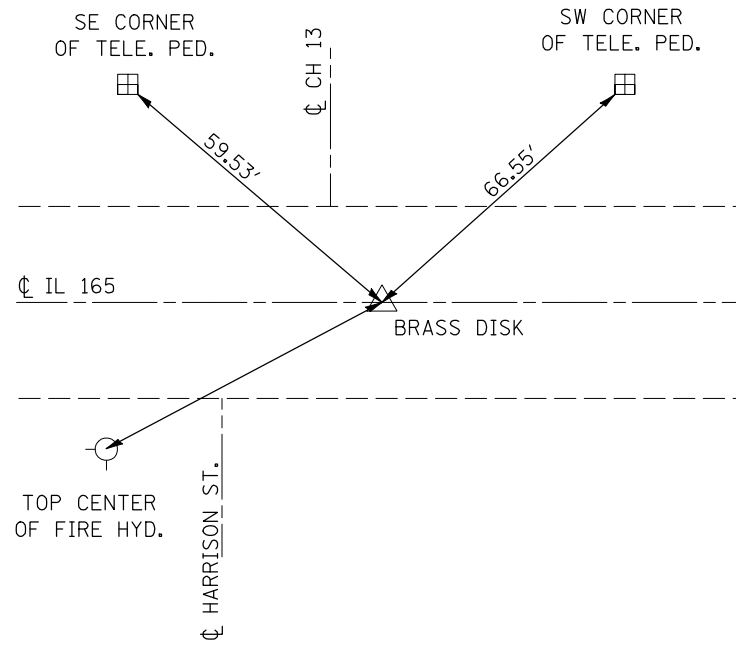
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	21
CONTRACT NO. 70510				
ILLINOIS FED. AID PROJECT				

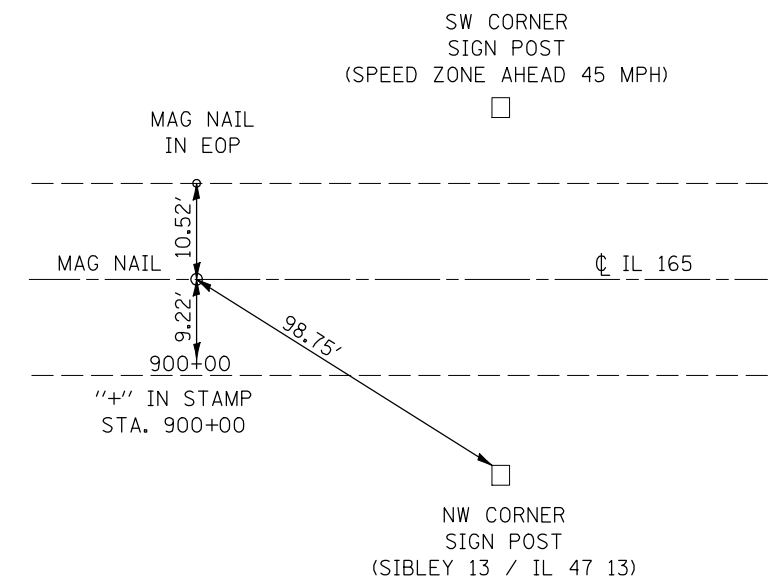
**P.I. KINK**  
**STA. 883 + 46.34**



**P.I. KINK**  
**887 + 53.70 (BK) =**  
**887 + 71.00 (AH)**



**P.O.T.**  
**STA. 899 + 68.39**



FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -
ct:\pw\work\PIWIDOT\COOMBESSF\dms87296\0770510-sht-ATB.dgn		DRAWN -	REVISED -
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	PLOT DATE = 1/13/2010	DATE -	REVISED -

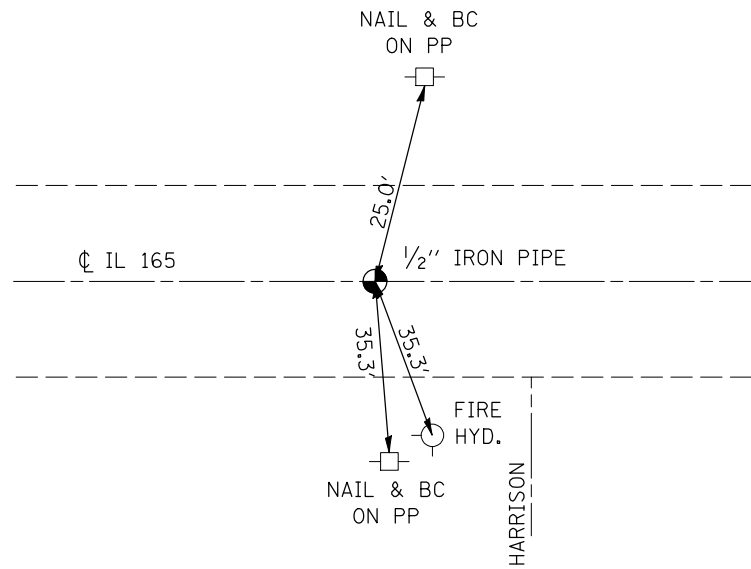
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**CENTERLINE TIE POINTS**

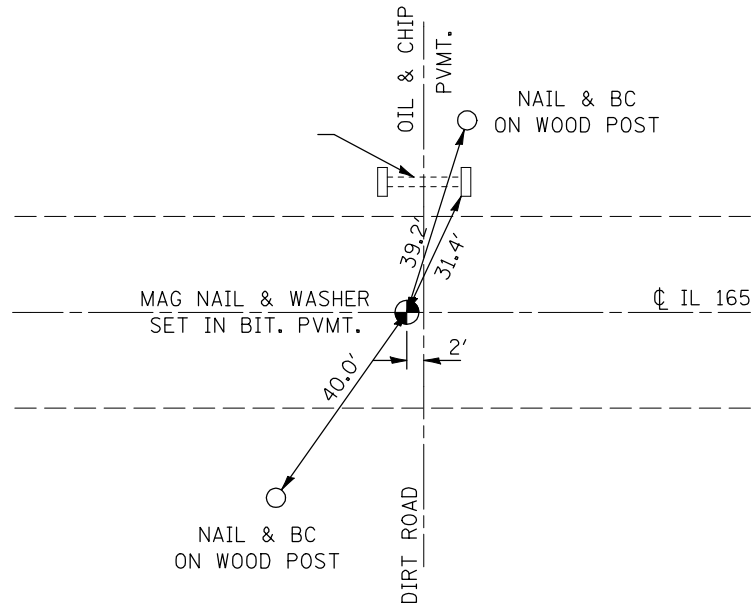
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	22
CONTRACT NO. 70510			ILLINOIS FED. AID PROJECT	

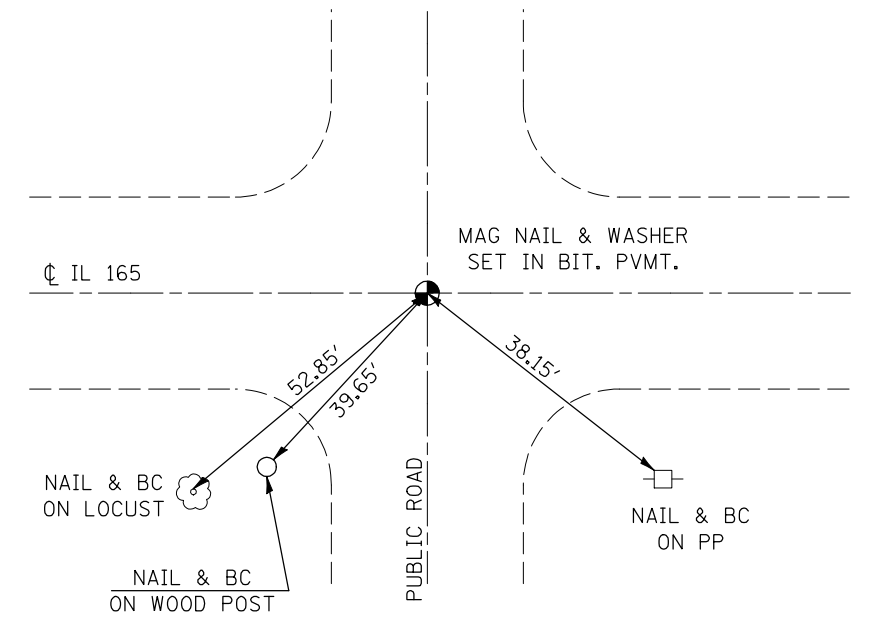
**1/2" IRON PIPE**  
**NE COR. SEC. 3**  
**STA. 886 + 87.70**



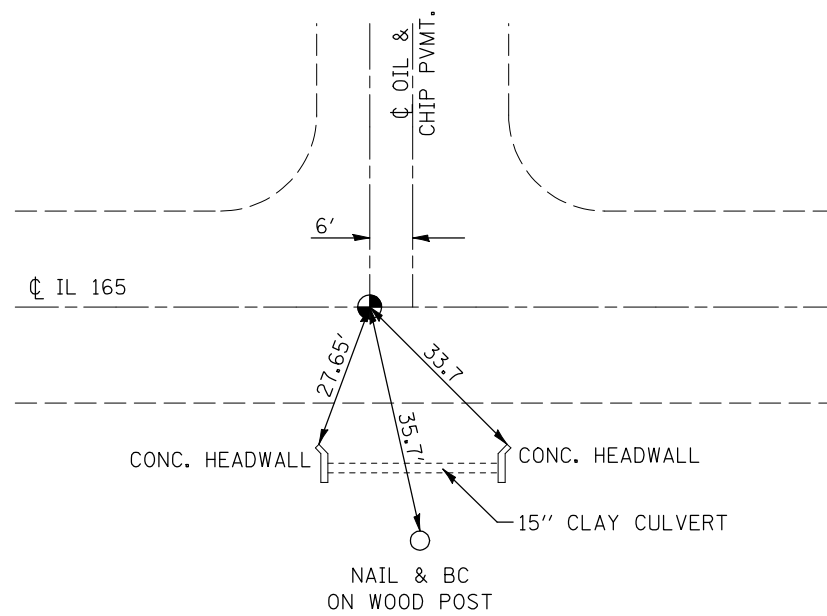
**MAG NAIL & WASHER**  
**S 1/4 COR. SEC. 5**  
**STA. 726 + 36**



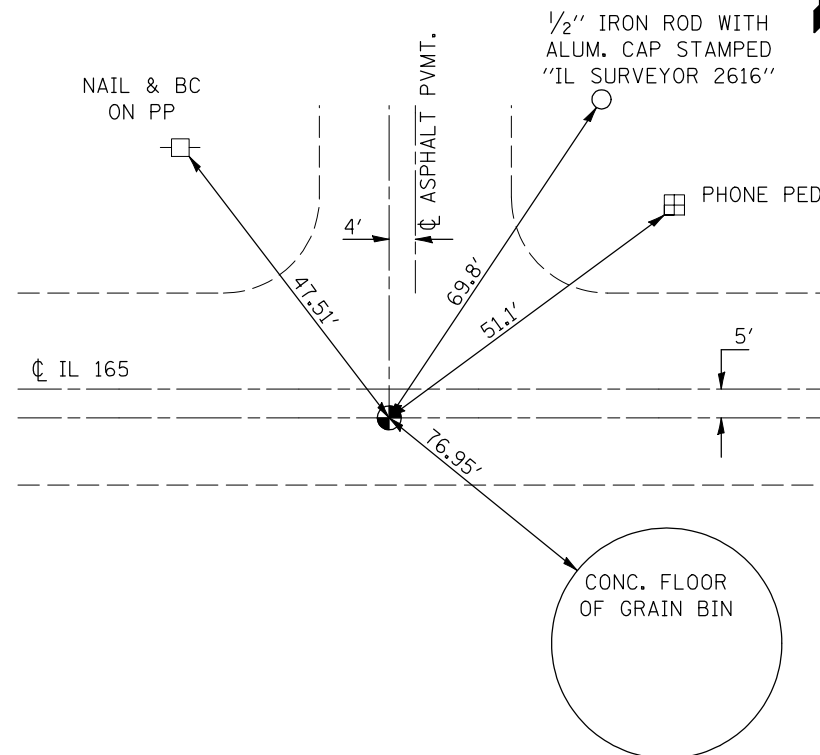
**MAG NAIL & WASHER**  
**S 1/4 COR. SEC. 6**  
**STA. 673 + 23**



**MAG NAIL & WASHER**  
**SE COR. SEC. 6**



**FOUND BRASS DISK**  
**NE COR. SEC. 11**



FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -
ct:\pw\work\PWIDOT\COOMBESSF\dms87296\d70510-sht-ATB.dgn		DRAWN -	REVISED -
	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/13/2010	DATE -	REVISED -

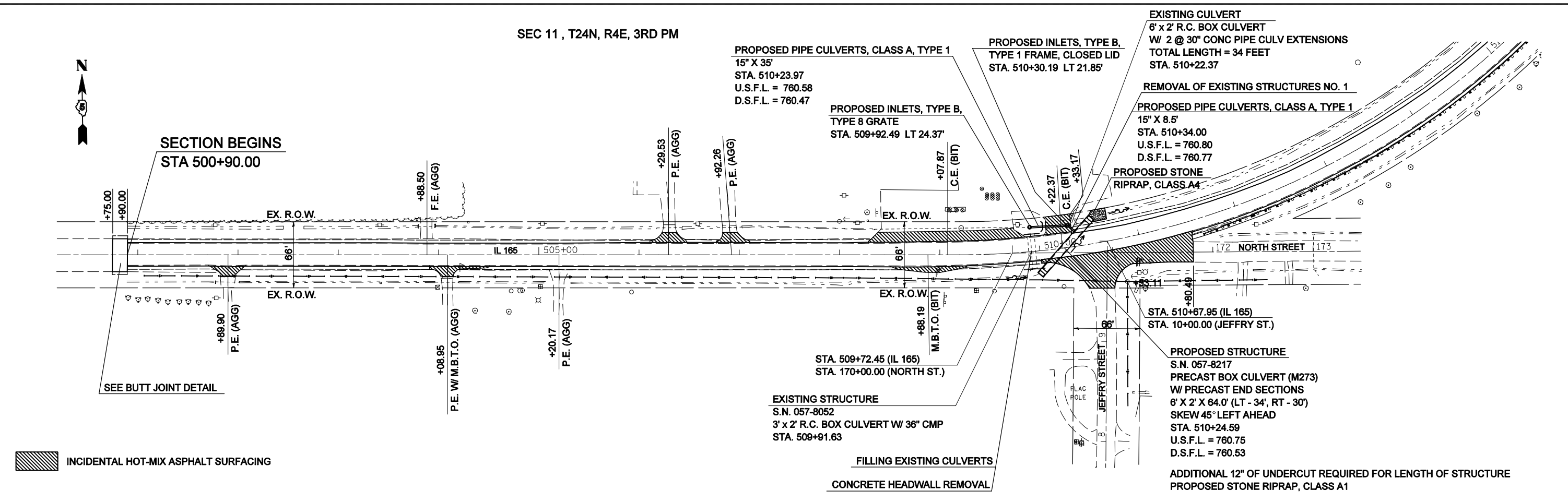
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**SURVEY MONUMENT TIE POINTS**

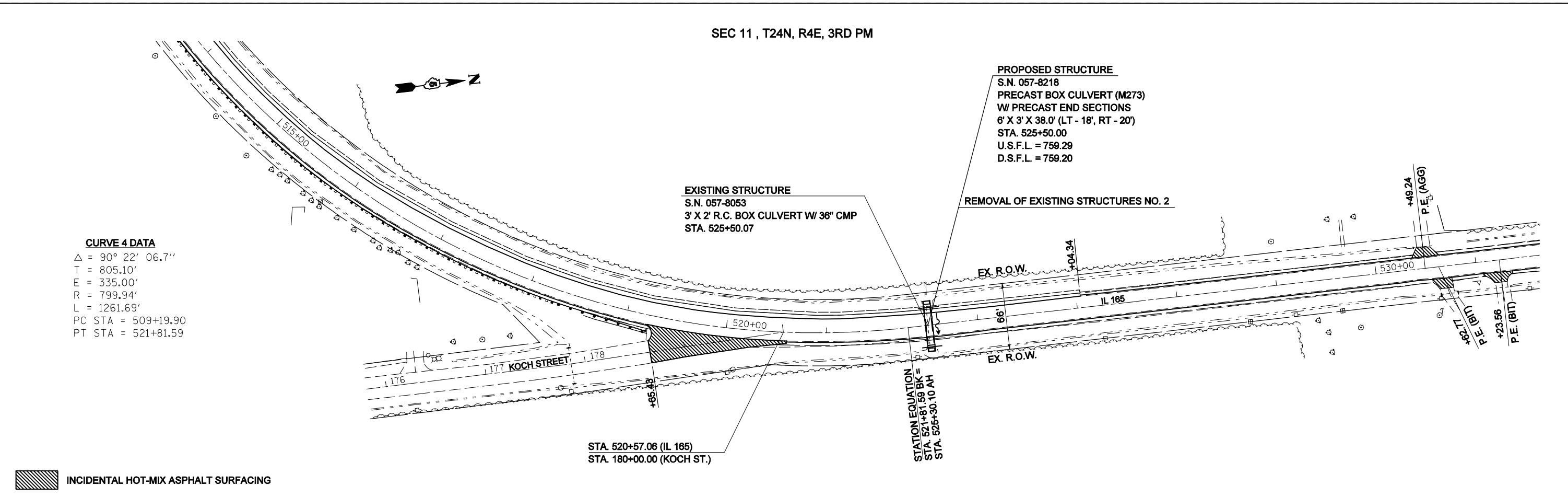
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	23
CONTRACT NO. 70510				
ILLINOIS FED. AID PROJECT				

SEC 11 , T24N, R4E, 3RD PM



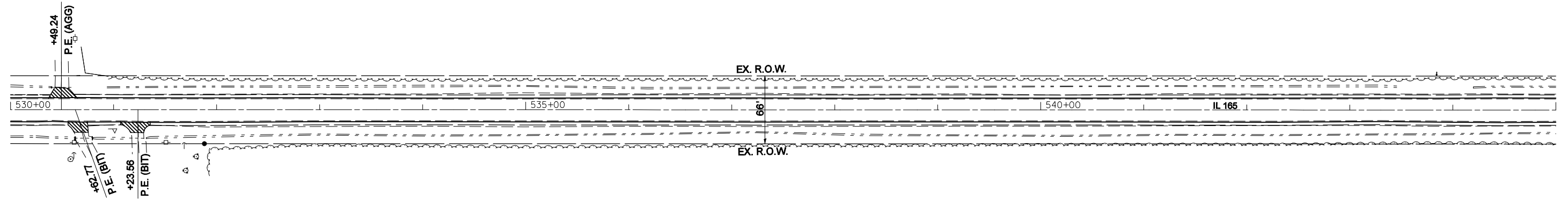
SEC 11 , T24N, R4E, 3RD PM



FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEETS</b>			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pw\work\PWIDOT\COOMBESSF\dms87296\d70510-sht-plan.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA. 500+90.00 TO STA. 530+00.00	2484	(125,126,127)RS-2	MCLEAN	122	24
		CHECKED -	REVISED -						CONTRACT NO. 70510				
		DATE -	REVISED -						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

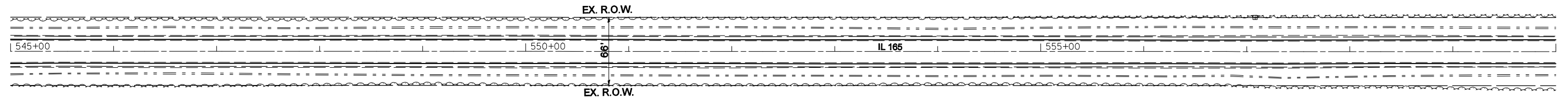


SEC 11 , T24N, R4E, 3RD PM



INCIDENTAL HOT-MIX ASPHALT SURFACING

SEC 11 , T24N, R4E, 3RD PM



INCIDENTAL HOT-MIX ASPHALT SURFACING

FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -
ct:\pw\work\PWIDOT\COOMBESSF\dms87296\0770510-sht-plan.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/13/2010	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS**

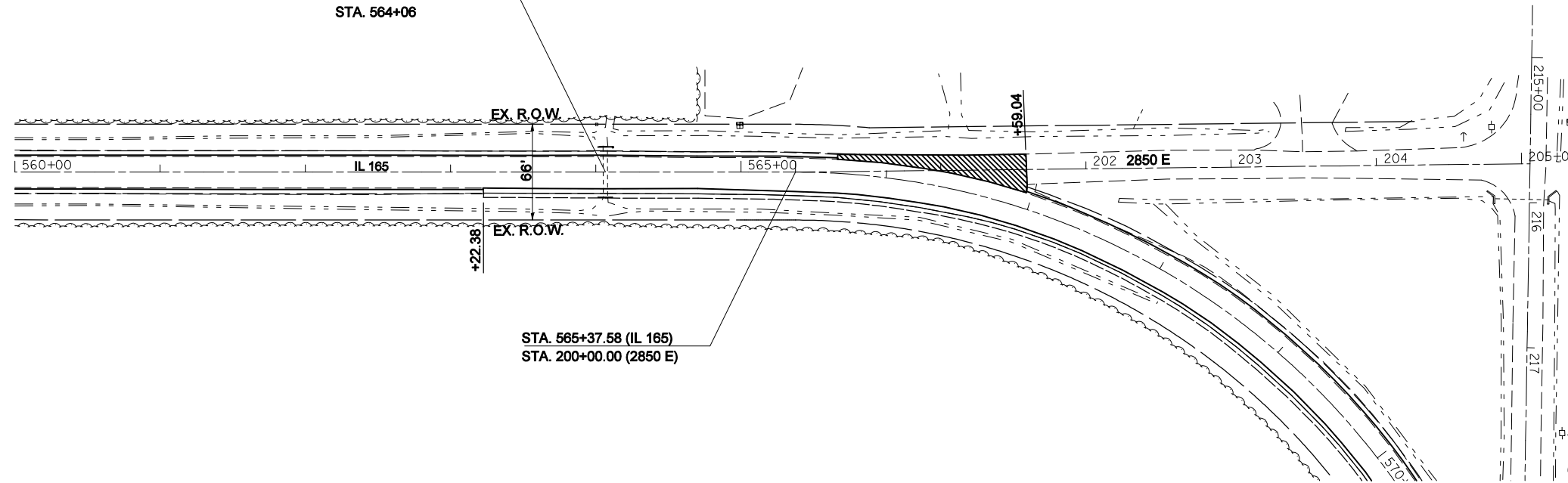
SCALE: SHEET NO. OF SHEETS STA. 530+00.00 TO STA. 560+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	25
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70510	

SEC 11 , T24N, R4E, 3RD PM



EXISTING CULVERT  
3' x 2' R.C. BOX CULVERT  
STA. 564+06



STA. 565+37.58 (IL 165)  
STA. 200+00.00 (2850 E)

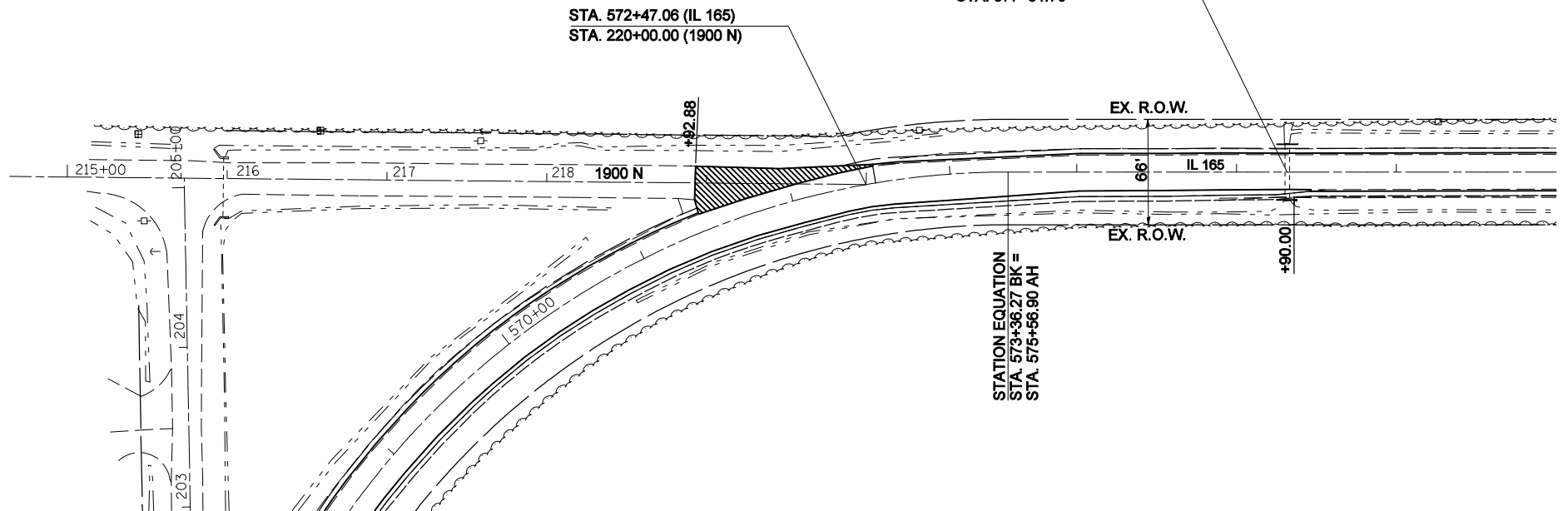
INCIDENTAL HOT-MIX ASPHALT SURFACING

**CURVE 76 DATA**  
 $\Delta = 90^\circ 22' 11.2''$   
 $T = 509.66'$   
 $E = 212.07'$   
 $R = 506.38'$   
 $L = 798.69'$   
 PC STA = 565+37.58  
 PT STA = 573+36.27

SEC 11 , T24N, R4E, 3RD PM



EXISTING CULVERT  
3' x 2' R.C. BOX CULVERT  
STA. 577+31.70



STA. 572+47.06 (IL 165)  
STA. 220+00.00 (1900 N)

STATION EQUATION  
STA. 573+36.27 BK =  
STA. 575+56.90 AH

INCIDENTAL HOT-MIX ASPHALT SURFACING

FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -
ct:\pw\work\PWIDOT\COOMBESSF\dms87296\0770510-sht-plan.dgn		DRAWN -	REVISED -
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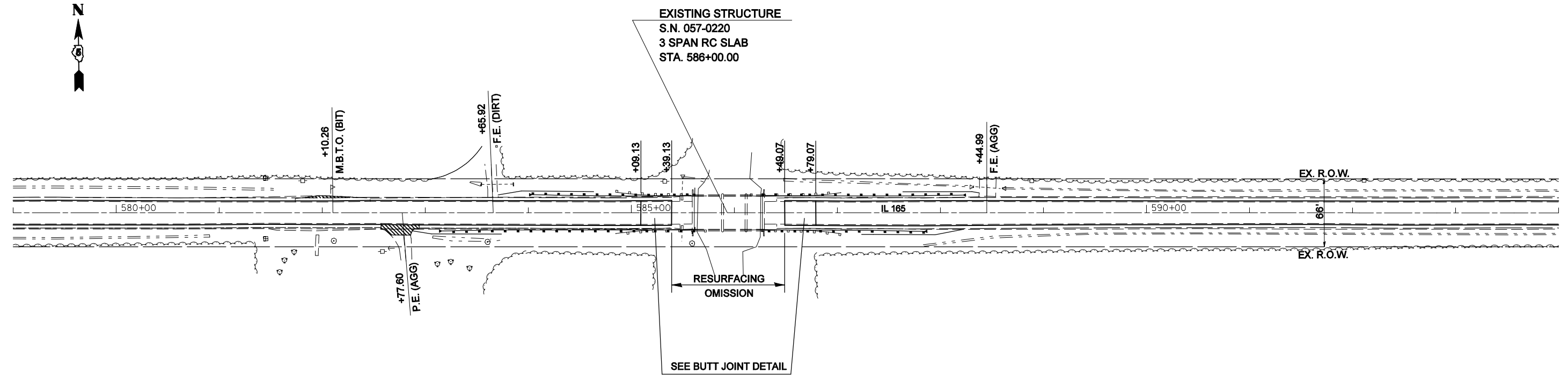
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

SCALE: SHEET NO. OF SHEETS STA. 560+00.00 TO STA. 579+00.00

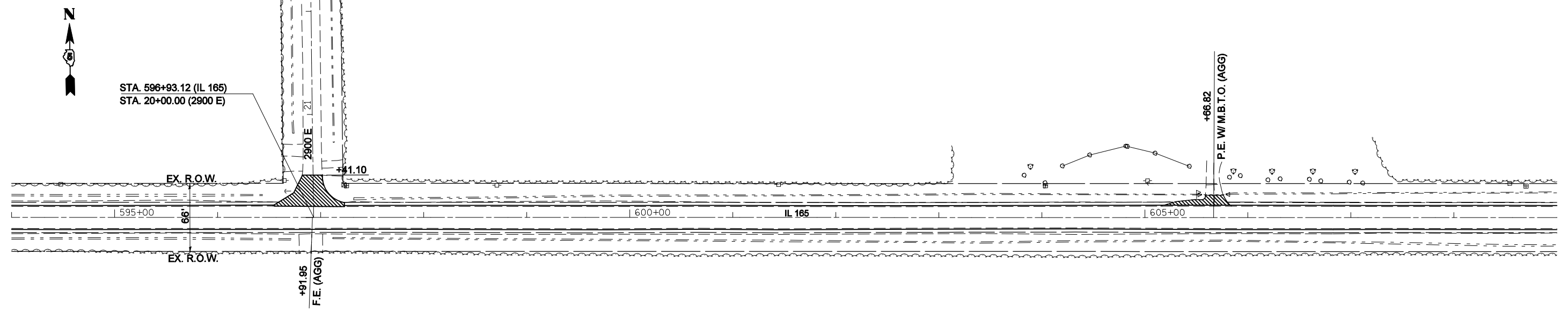
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	26
CONTRACT NO. 70510				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SEC 11 , T24N, R4E, 3RD PM



INCIDENTAL HOT-MIX ASPHALT SURFACING

SEC 12 , T24N, R4E, 3RD PM



INCIDENTAL HOT-MIX ASPHALT SURFACING

FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -
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	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/13/2010	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS**

SCALE: SHEET NO. OF SHEETS STA. 579+00.00 TO STA. 609+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	27
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70510	

SEC 12 , T24N, R4E, 3RD PM

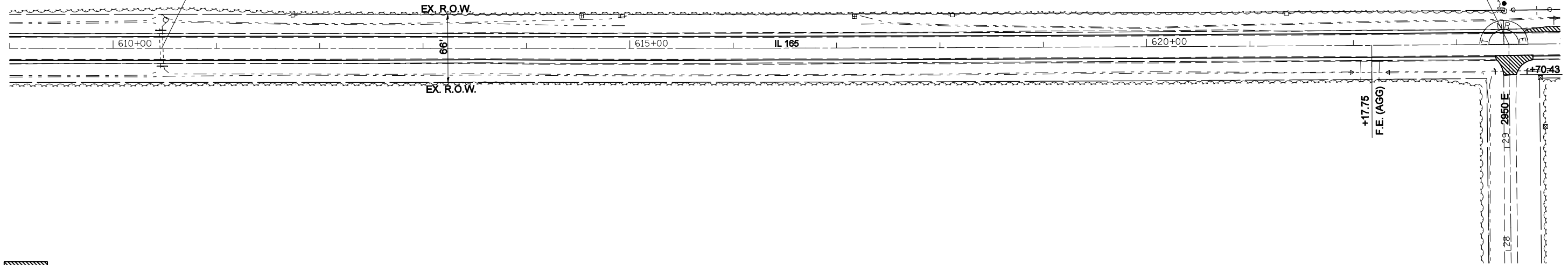
**CURVE 77 DATA**

Δ = 0° 35' 44.5"  
 T = 615.71'  
 E = 1.60'  
 R = 118443.11'  
 L = 1231.42'  
 PC STA = 613+70.31  
 PT STA = 626+01.73



EXISTING CULVERT  
 3' x 2' R.C. BOX CULVERT  
 STA. 610+47.03

STA. 623+50.45 (IL 165)  
 STA. 30+00.00 (2950 E)



INCIDENTAL HOT-MIX ASPHALT SURFACING

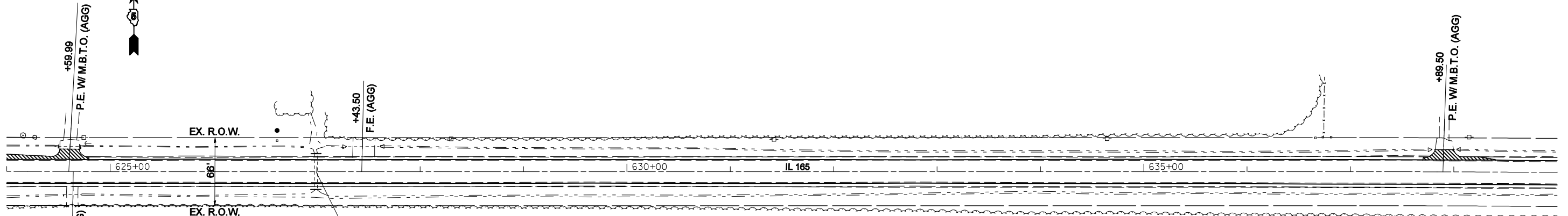
SEC 12 , T24N, R4E, 3RD PM



EXISTING CULVERT  
 3' x 2' R.C. BOX CULVERT  
 STA. 626+99.33

**CURVE 78 DATA**

Δ = 0° 35' 51.5"  
 T = 134.22'  
 E = 0.35'  
 R = 25735.38'  
 L = 268.44'  
 PC STA = 637+08.73  
 PT STA = 639+77.17



INCIDENTAL HOT-MIX ASPHALT SURFACING

FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -
ct:\pw\work\PWIDOT\COOMBESSF\dms87296\0770510-sht-plan.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/13/2010	DATE -	REVISED -

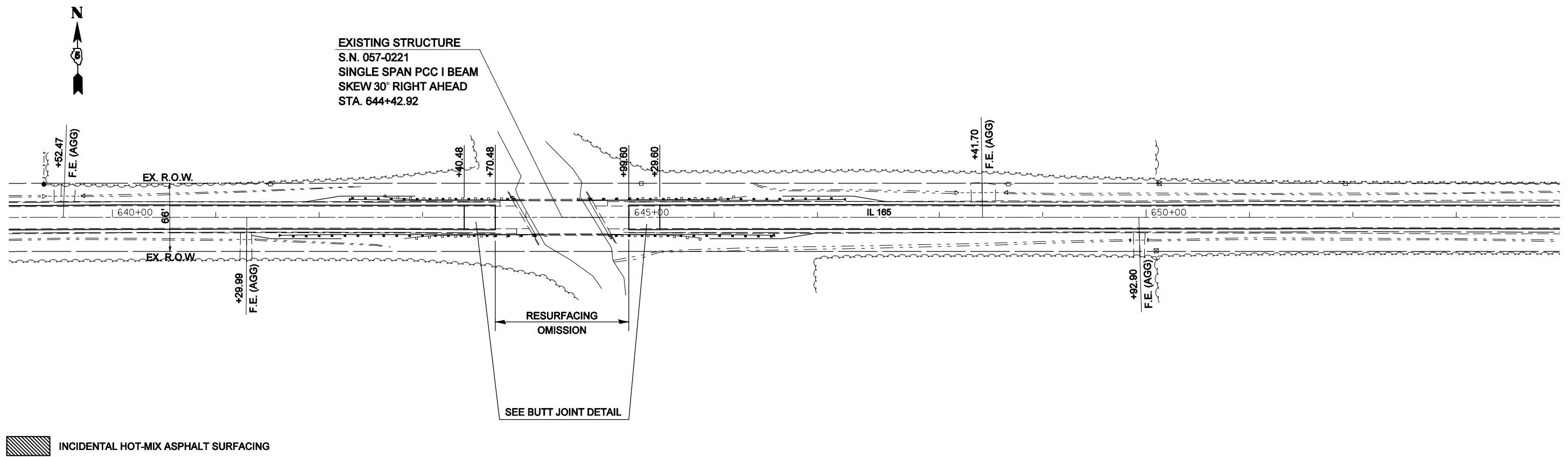
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS**

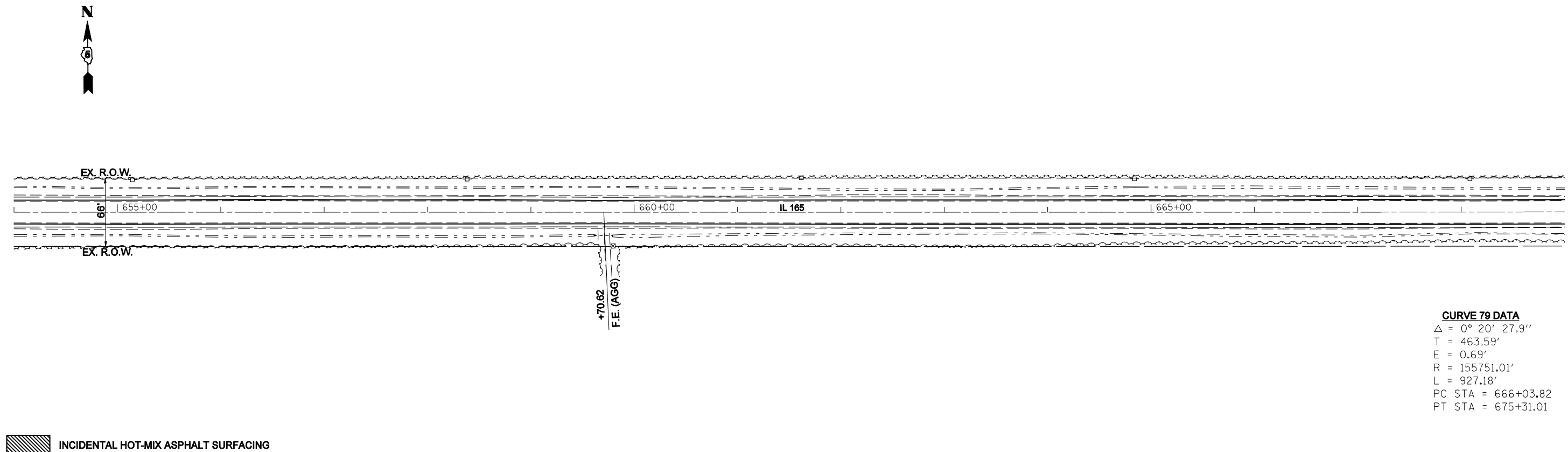
SCALE: SHEET NO. OF SHEETS STA. 609+00.00 TO STA. 639+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	28
CONTRACT NO. 70510				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SEC 7 , T24N, R5E, 3RD PM



SEC 7 , T24N, R5E, 3RD PM



FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -
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	PLOT DATE = 1/13/2010	DATE -	REVISED -

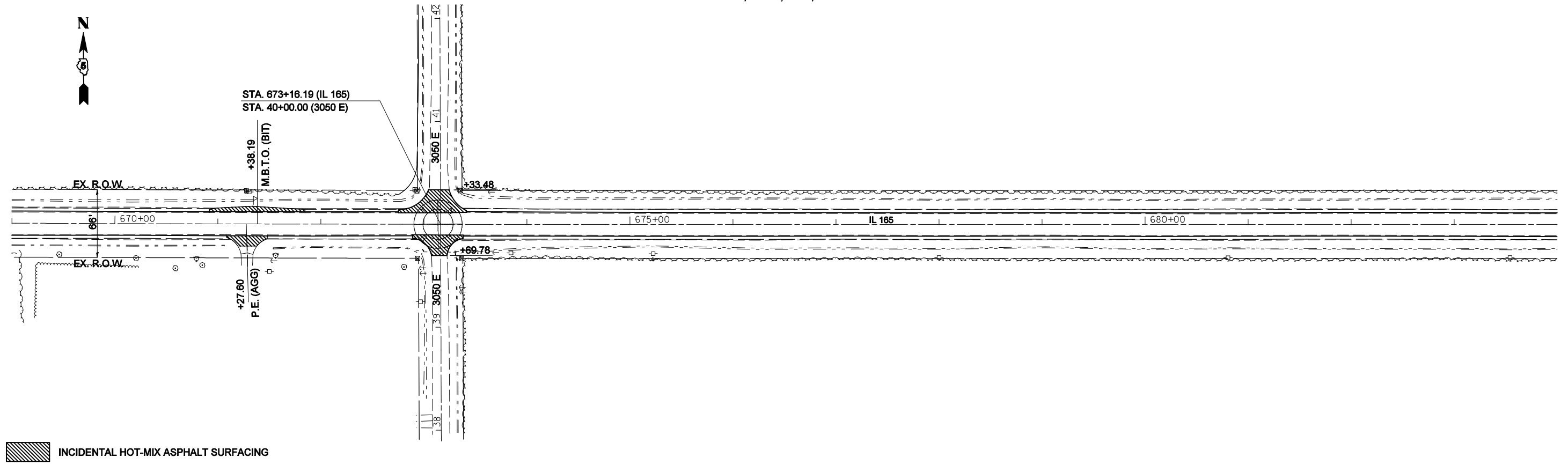
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

SCALE: SHEET NO. OF SHEETS STA. 639+00.00 TO STA. 669+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	29
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70510	

SEC 7 , T24N, R5E, 3RD PM



SEC 7 , T24N, R5E, 3RD PM



FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -
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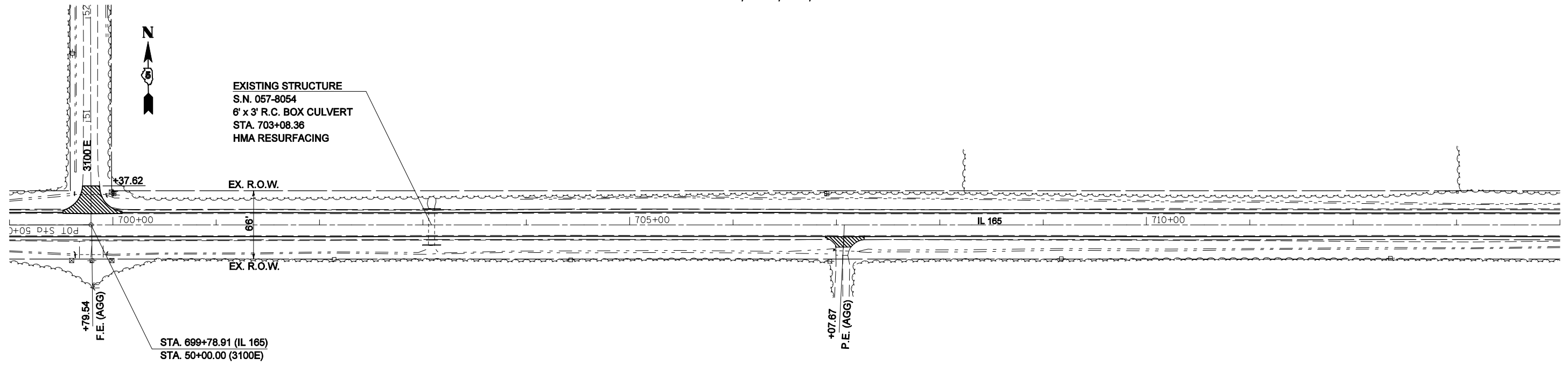
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS**

SCALE: SHEET NO. OF SHEETS STA. 669+00.00 TO STA. 699+00.00

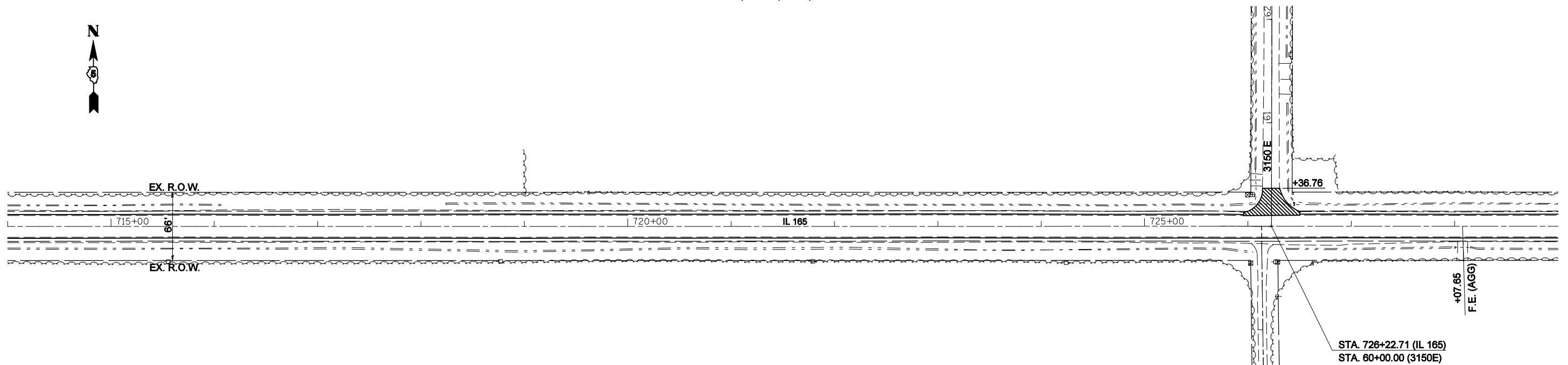
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	30
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70510	

SEC 8 , T24N, R5E, 3RD PM



INCIDENTAL HOT-MIX ASPHALT SURFACING

SEC 8 , T24N, R5E, 3RD PM



INCIDENTAL HOT-MIX ASPHALT SURFACING

FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -
ct:\pw\work\PWIDOT\COOMBESSF\dms87296\070510-sht-plan.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/13/2010	DATE -	REVISED -

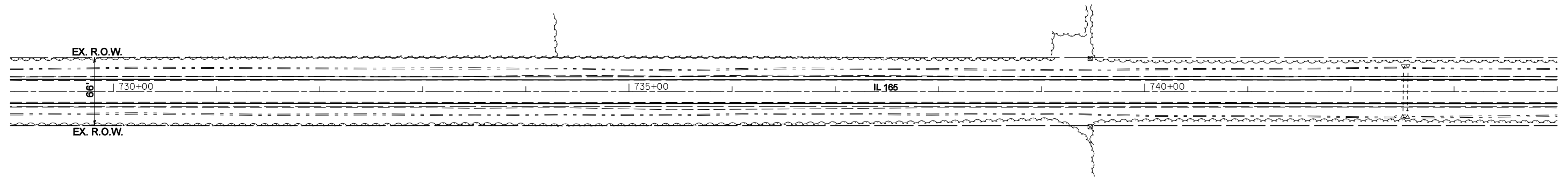
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

SCALE: SHEET NO. OF SHEETS STA. 699+00.00 TO STA. 729+00.00

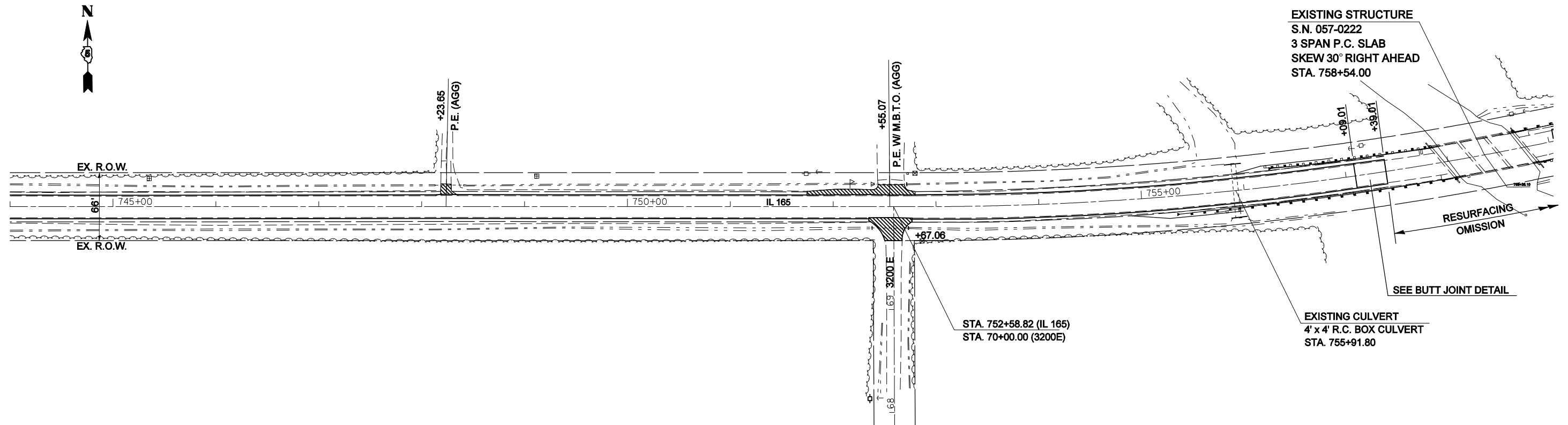
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	31
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70510	

SEC 8 , T24N, R5E, 3RD PM



INCIDENTAL HOT-MIX ASPHALT SURFACING

SEC 8 , T24N, R5E, 3RD PM



INCIDENTAL HOT-MIX ASPHALT SURFACING

FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -
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	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/13/2010	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS**

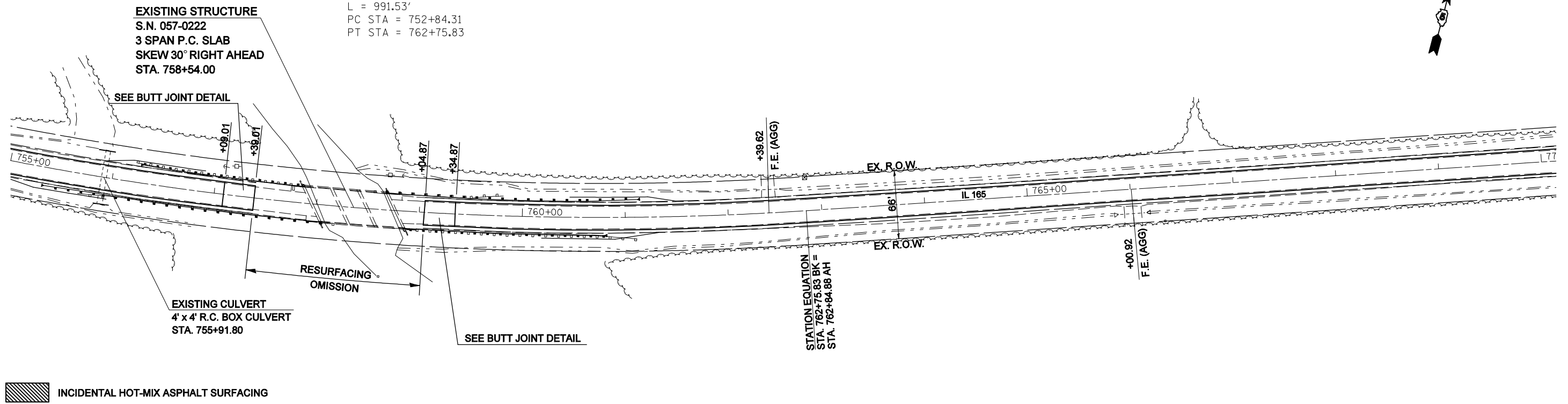
SCALE: SHEET NO. OF SHEETS STA. 729+00.00 TO STA. 756+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	32
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70510	

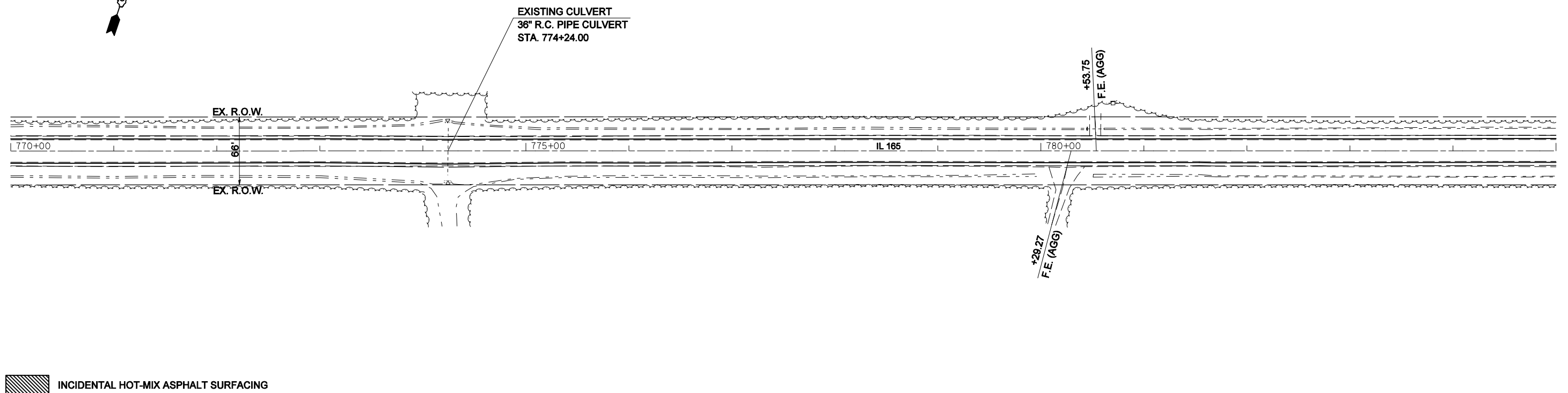


SEC 4 , T24N, R5E, 3RD PM

**CURVE 82 DATA**  
 $\Delta = 18^\circ 51' 11''$   
 T = 500.29'  
 E = 41.25'  
 R = 3013.33'  
 L = 991.53'  
 PC STA = 752+84.31  
 PT STA = 762+75.83



SEC 4 , T24N, R5E, 3RD PM



FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -
ct:\pw\work\PWIDOT\COOMBESSF\dms87296\070510-shr-plan.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/13/2010	DATE -	REVISED -

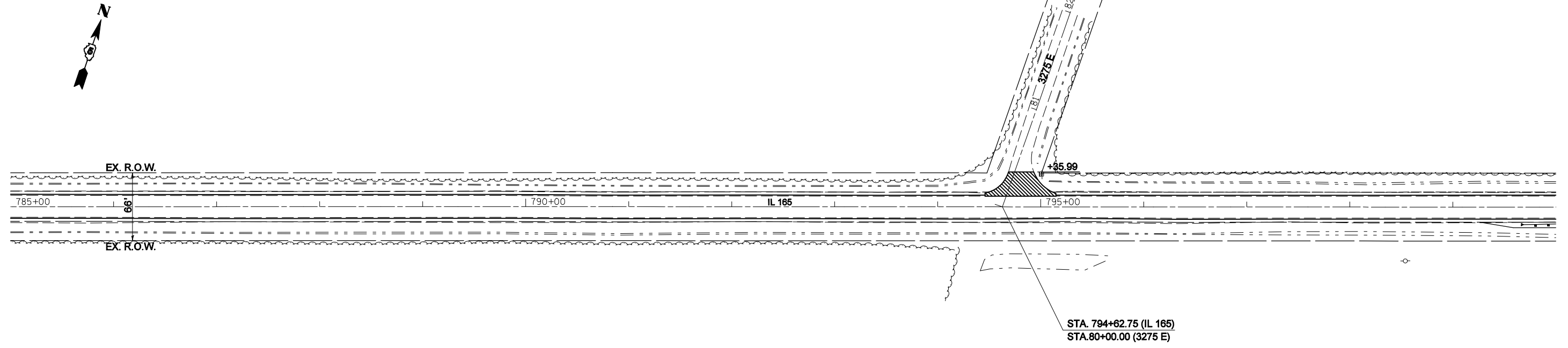
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS**

SCALE: SHEET NO. OF SHEETS STA. 756+00.00 TO STA. 785+00.00

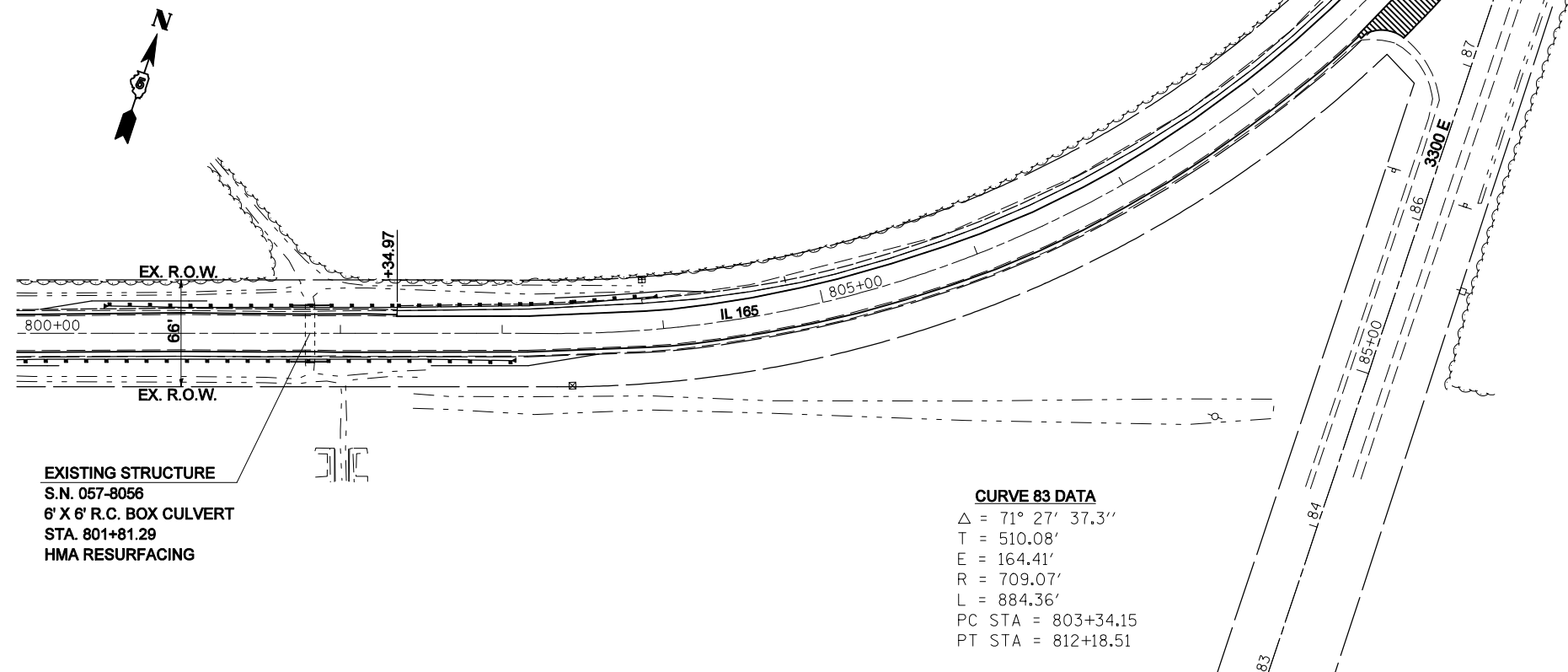
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	33
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70510	

SEC 4 , T24N, R5E, 3RD PM



INCIDENTAL HOT-MIX ASPHALT SURFACING

SEC 4 , T24N, R5E, 3RD PM



EXISTING STRUCTURE  
S.N. 057-8056  
6' X 6' R.C. BOX CULVERT  
STA. 801+81.29  
HMA RESURFACING

**CURVE 83 DATA**  
 $\Delta = 71^\circ 27' 37.3''$   
 T = 510.08'  
 E = 164.41'  
 R = 709.07'  
 L = 884.36'  
 PC STA = 803+34.15  
 PT STA = 812+18.51

INCIDENTAL HOT-MIX ASPHALT SURFACING

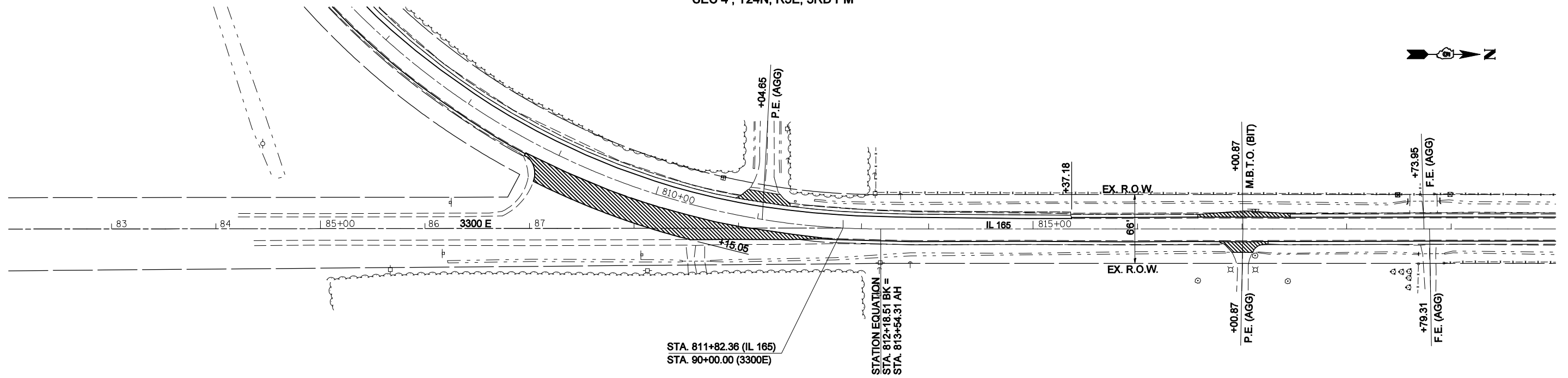
FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -
ct:\pw\work\PWIDOT\COOMBESSF\dms87296\070510-shr-plan.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/13/2010	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PLAN SHEETS</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. 785+00.00 TO STA. 807+00.00

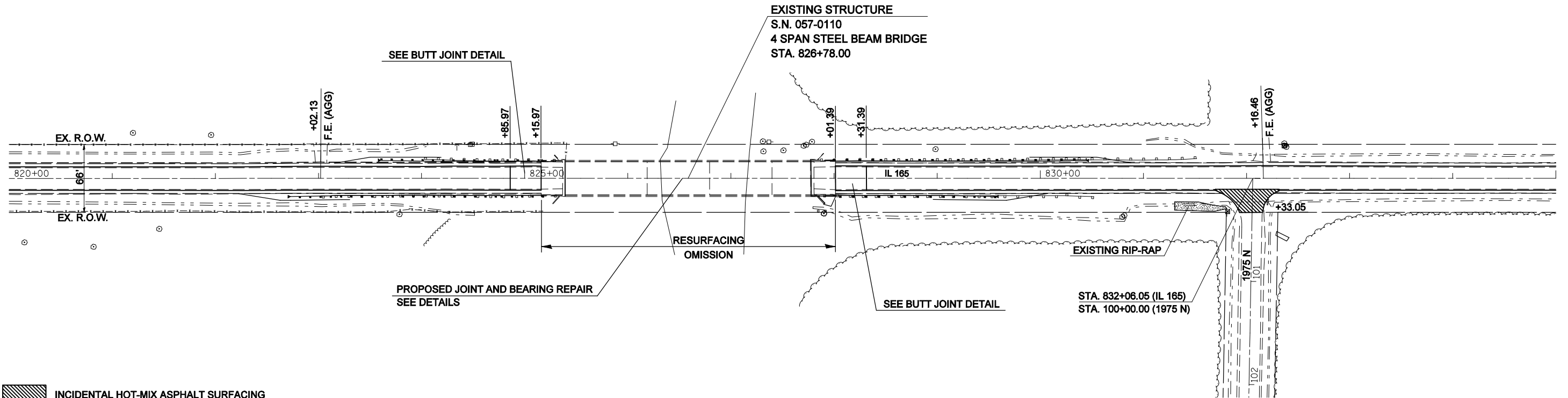
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	34
CONTRACT NO. 70510				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SEC 4 , T24N, R5E, 3RD PM



INCIDENTAL HOT-MIX ASPHALT SURFACING

SEC 4 , T24N, R5E, 3RD PM



INCIDENTAL HOT-MIX ASPHALT SURFACING

FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -
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	PLOT DATE = 1/13/2010	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS**

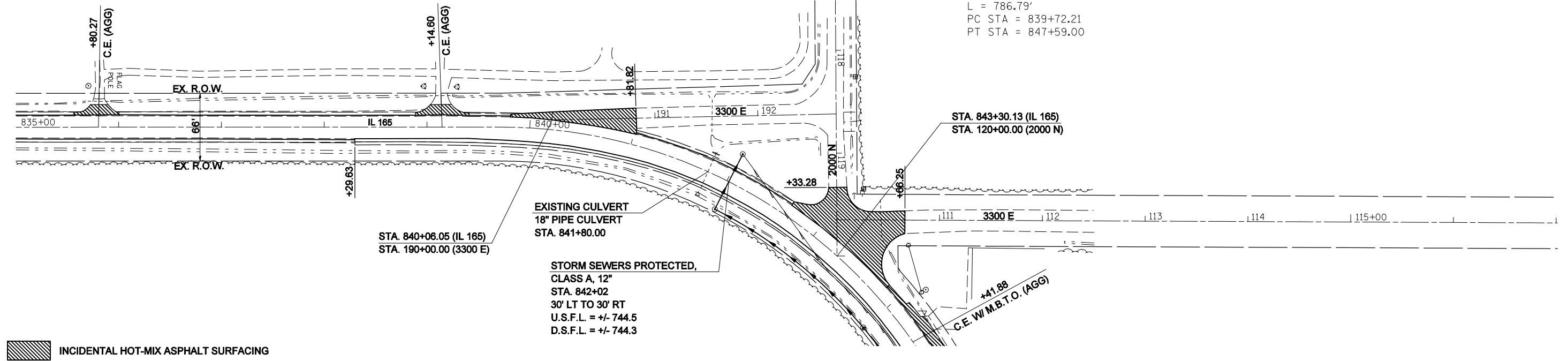
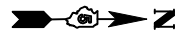
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	35
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70510	

SEC 4 , T24N, R5E, 3RD PM

CURVE 88 DATA

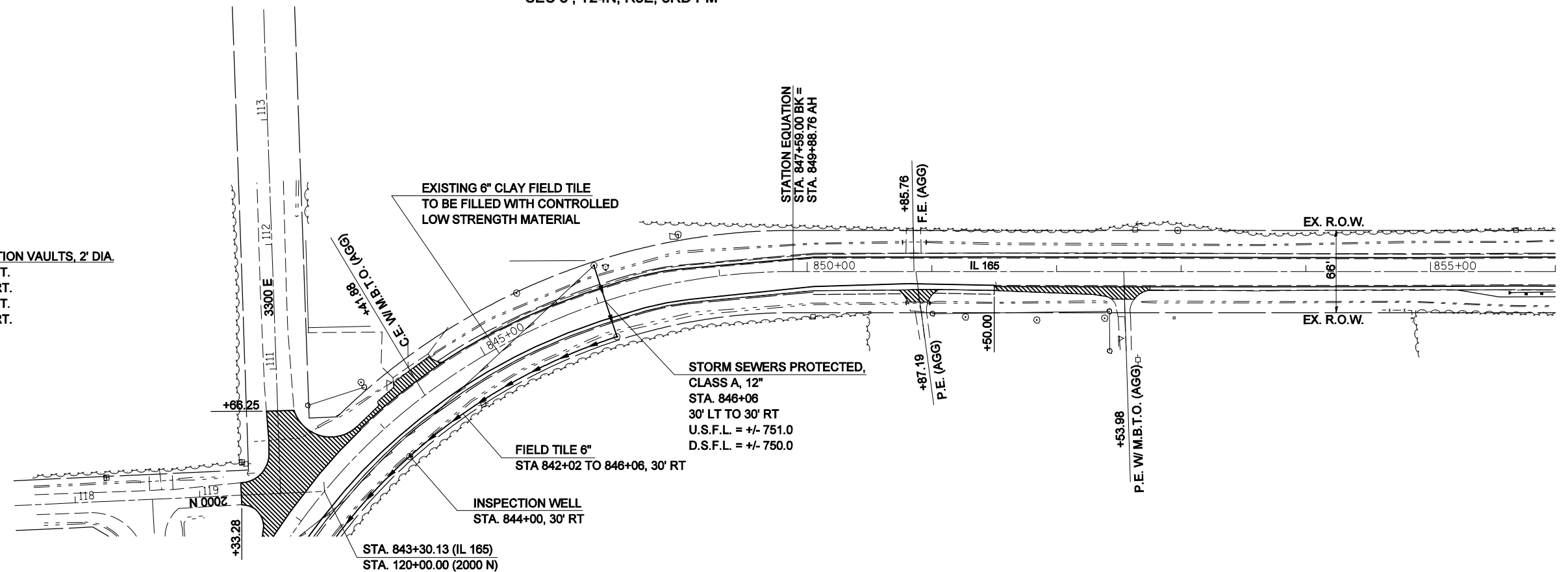
Δ = 92° 15' 33"  
 T = 508.28'  
 E = 216.43'  
 R = 488.62'  
 L = 786.79'  
 PC STA = 839+72.21  
 PT STA = 847+59.00



SEC 3 , T24N, R5E, 3RD PM



FIELD TILE JUNCTION VAULTS, 2' DIA.  
 STA. 842+02, 30' LT.  
 STA. 842+02, 30' RT.  
 STA. 846+06, 30' LT.  
 STA. 846+06, 30' RT.



FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -
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	PLOT DATE = 1/13/2010	DATE -	REVISED -

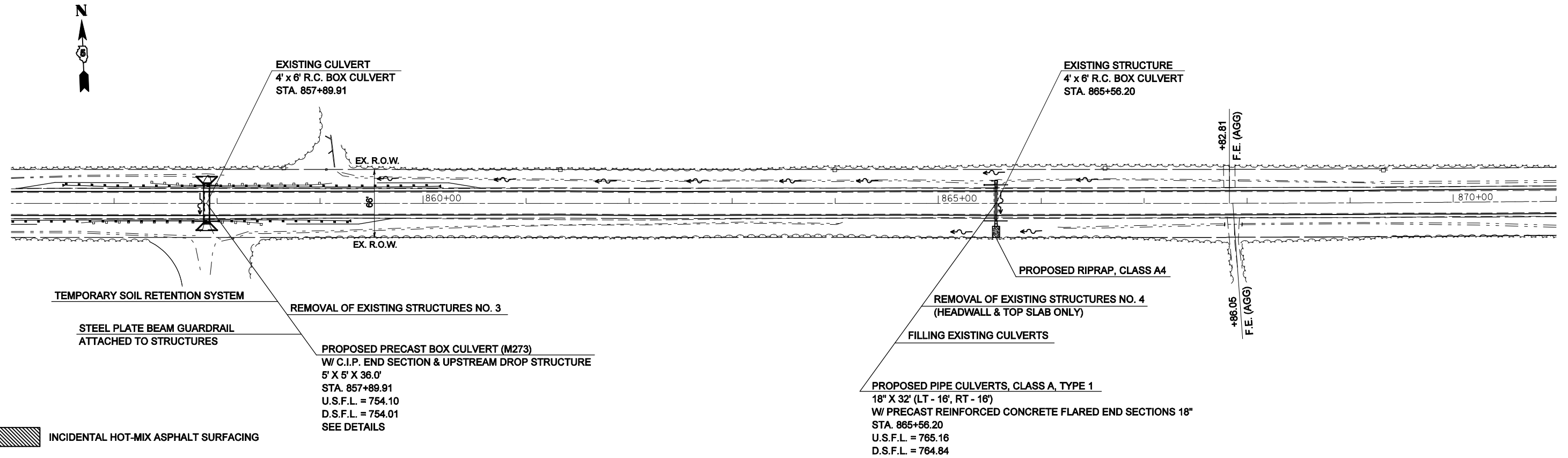
STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

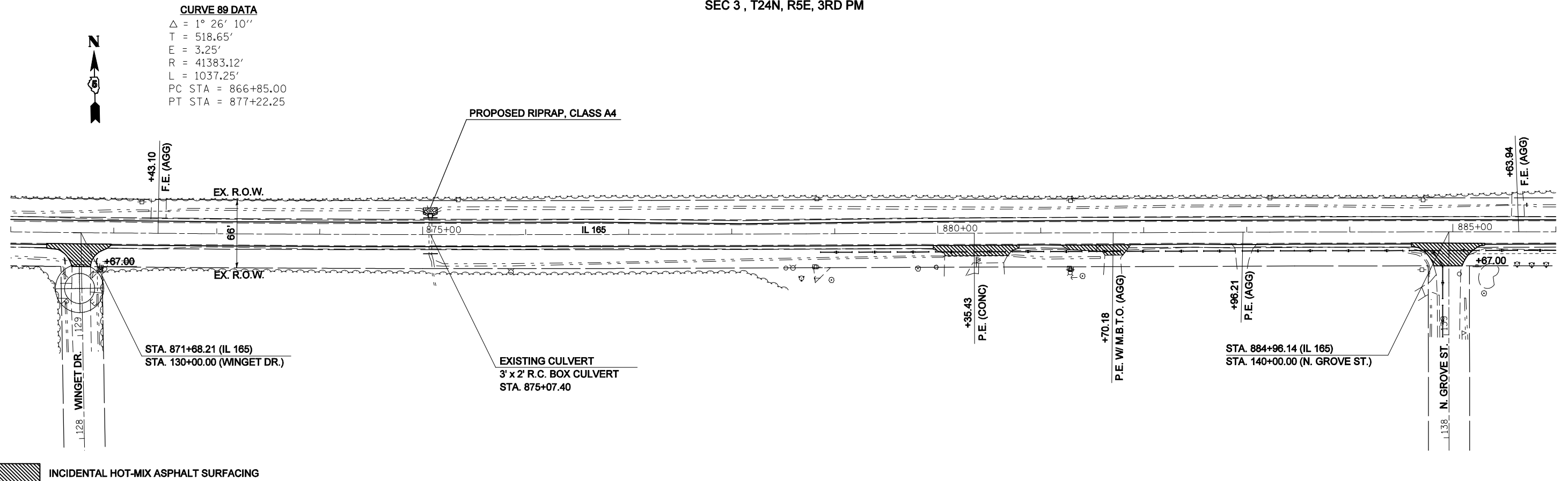
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	36
CONTRACT NO. 70510				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SEC 3 , T24N, R5E, 3RD PM



SEC 3 , T24N, R5E, 3RD PM



**CURVE 89 DATA**  
 $\Delta = 1^\circ 26' 10''$   
 T = 518.65'  
 E = 3.25'  
 R = 41383.12'  
 L = 1037.25'  
 PC STA = 866+85.00  
 PT STA = 877+22.25

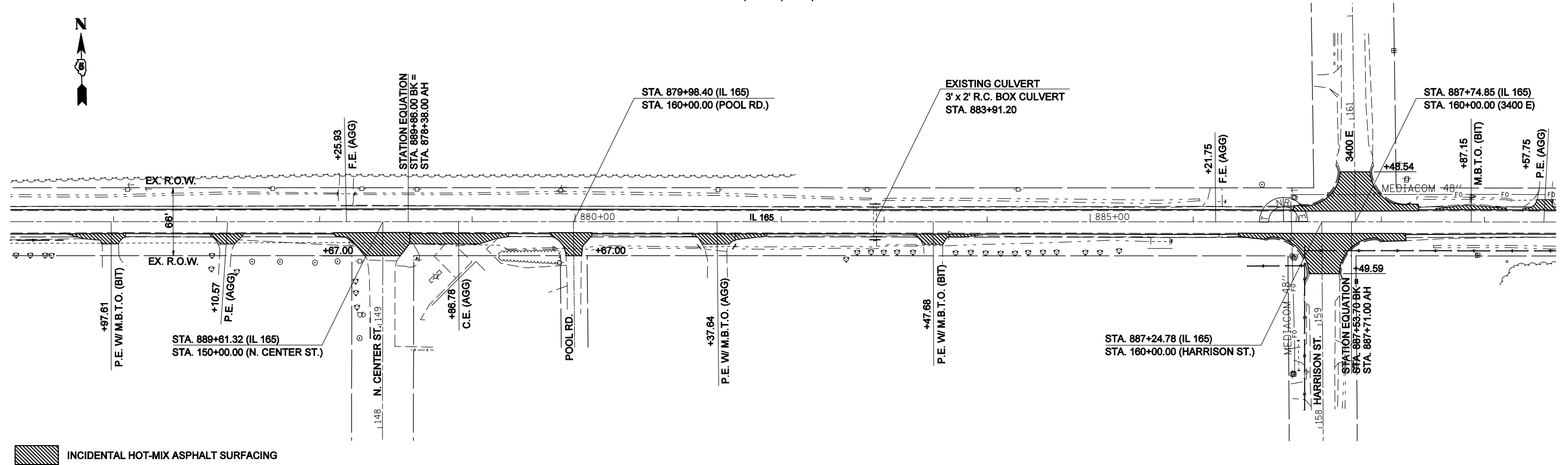
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	PLOT DATE = 1/13/2010	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

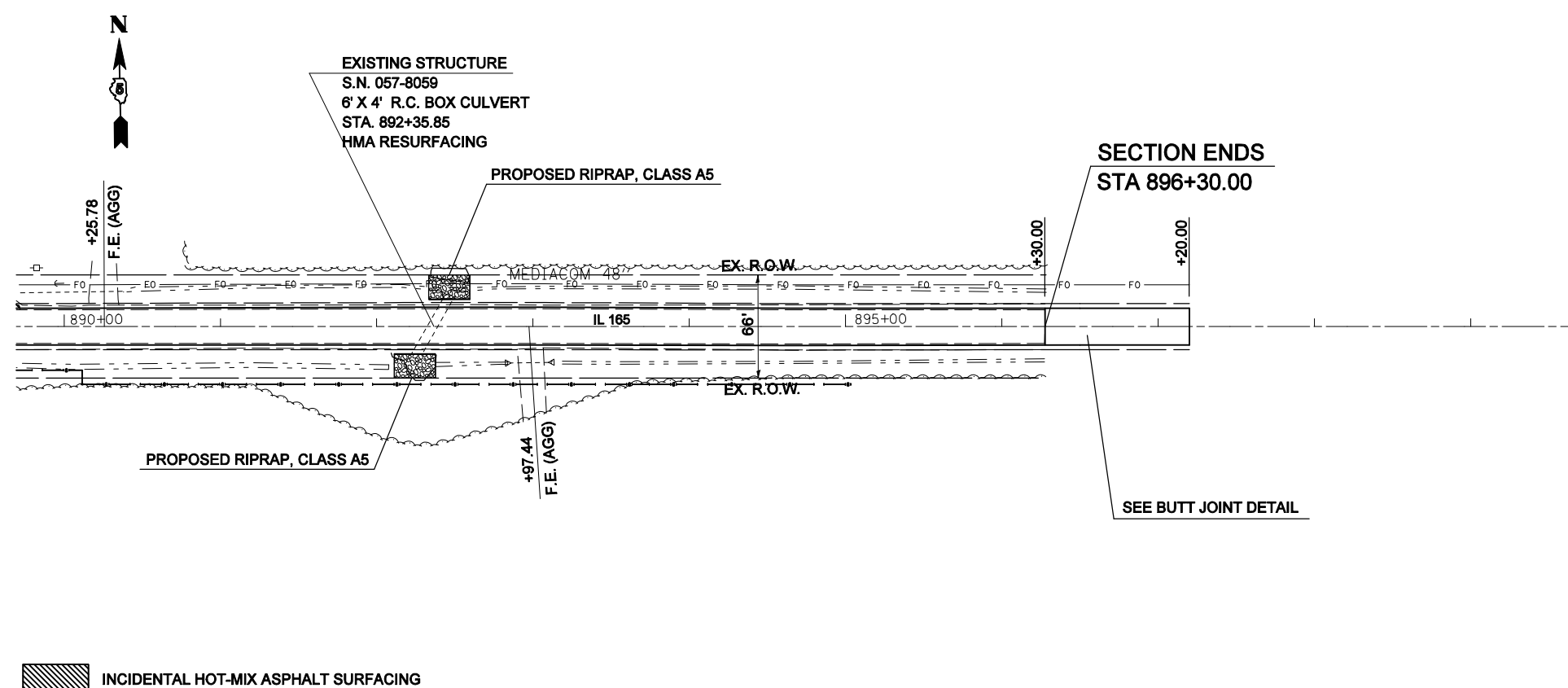
<b>PLAN SHEETS</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. 856+00.00 TO STA. 886+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	37
CONTRACT NO. 70510				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

SEC 3 , T24N, R5E, 3RD PM



SEC 3 , T24N, R5E, 3RD PM



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	PLOT DATE = #DATE#	DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								

Benchmark: Chisled square on northeast wingwall of bridge  
Rt. Sta. 828+00.00 Elev. 738.60

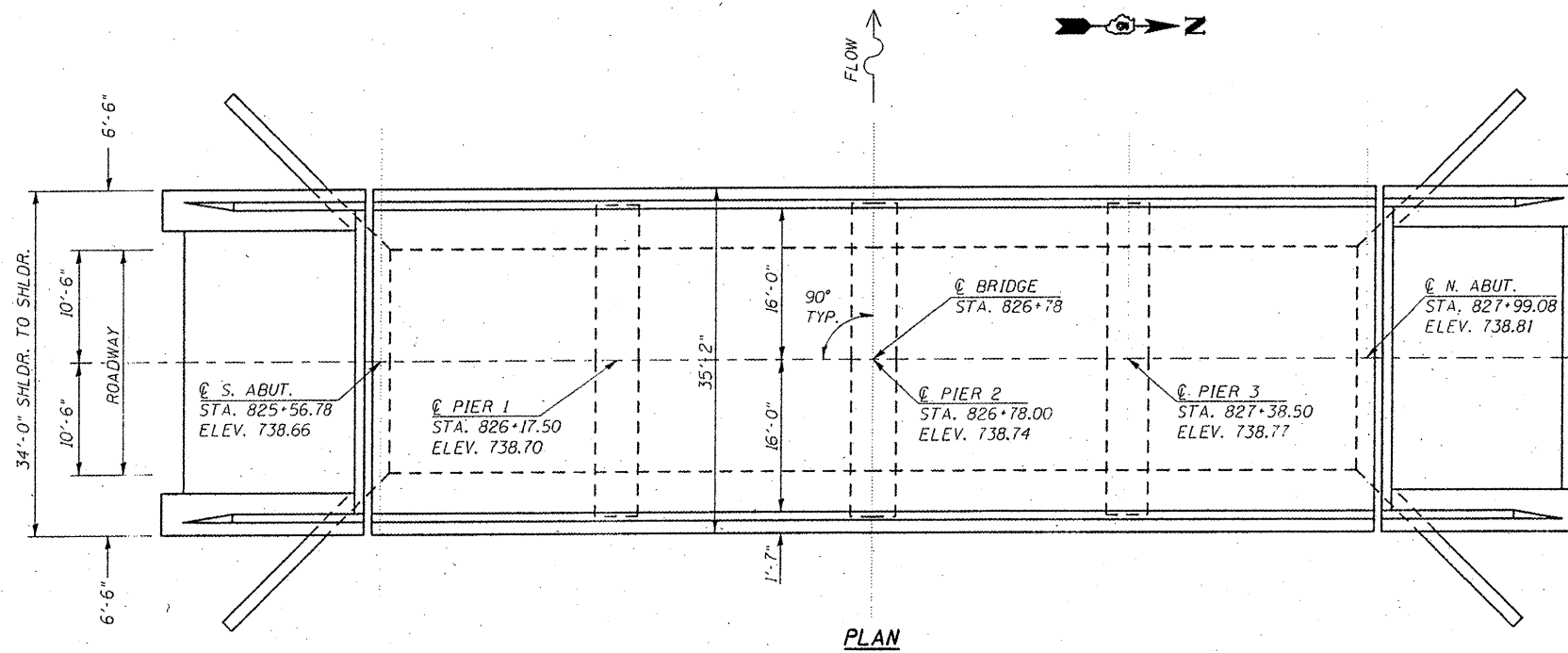
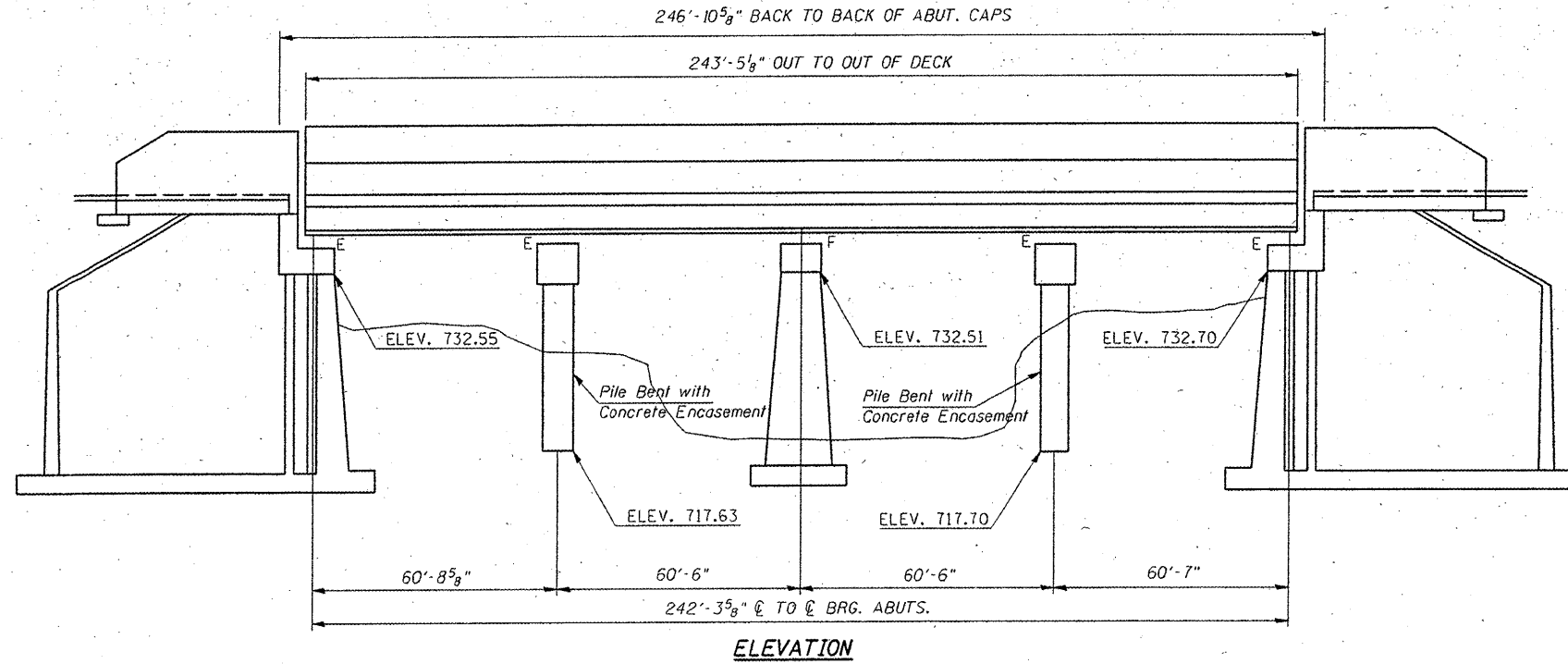
# GENERAL PLAN AND ELEVATION S.N. 057-0110

Existing Structure Info: S.N. 057-0110 was originally built in 1928 as FAS 2484, Section 126 at station 826+78 as a two span simple steel truss with reinforced concrete abutments and piers. The structure was rehabilitated in 1986 as FAS 2484, Section 126BR. In 1986 the steel truss and deck were removed, the existing substructure was widened to accommodate a new superstructure, and two pile bent piers were added. The existing structure is a four span steel beam bridge.

Method of Construction: Road Closure  
Salvage: None  
See Proposed Improvements on this sheet.

### TOTAL BILL OF MATERIAL

Item	Unit	Total
Jack and Remove Existing Bearings	Each	10.0
Elastomeric Bearing Assembly, Type II	Each	10.0
Silicone Joint Sealer, 2 1/4"	Foot	71.0
Anchor Bolts, 1"	Each	20.0
Furnishing and Erecting Structural Steel	Pound	1,450.0



### PROPOSED IMPROVEMENTS

1. Jack and Remove Existing Bearings at the North and South Abutments.
2. Place Elastomeric Bearings at the North and South Abutments.
3. Remove Preformed Joint Sealer at the North and South Abutments.
4. Place Silicone Joint Sealer, 2 1/4" at the North and South Abutments.

### GENERAL NOTES

Plan dimensions and details relative to the existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make the necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of work. However, the Contractor will be paid for the quantity actually furnished at the unit price for the work.

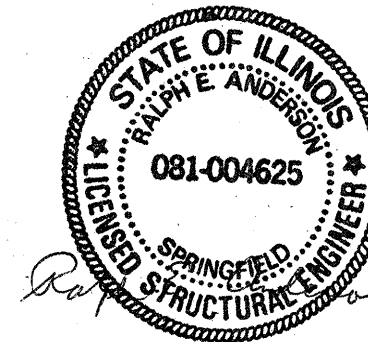
Existing structural steel that will be in contact with new structural steel shall be cleaned and painted prior to erection as required by the Special Provision "Cleaning and Painting Contact Surface Areas of Existing Steel Structures".

Fasteners shall be high strength bolts. Bolts 3/4" dia., open holes 1/2" dia., unless otherwise noted.

All structural steel shall be shop painted with the Inorganic zinc rich primer per AASHTO M300, Type 1. Costs included with Furnishing and Erecting Structural Steel.

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.

New steel extensions, shim plates and connection bolts are included with Furnishing and Erecting Structural Steel.



Expires 11/30/2010

SHEET 1 OF 8

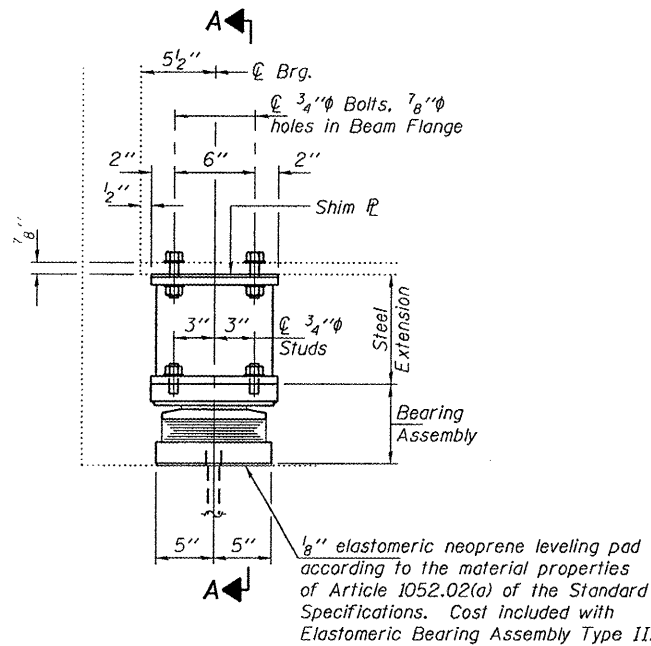
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PLOT SCALE = 48.0001" / IN.		CHECKED =	REVISED =			CONTRACT NO. 70510					
PLOT DATE = 1/13/2010		DATE	REVISED =			ILLINOIS FED. AID PROJECT					

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

BEAM REACTIONS

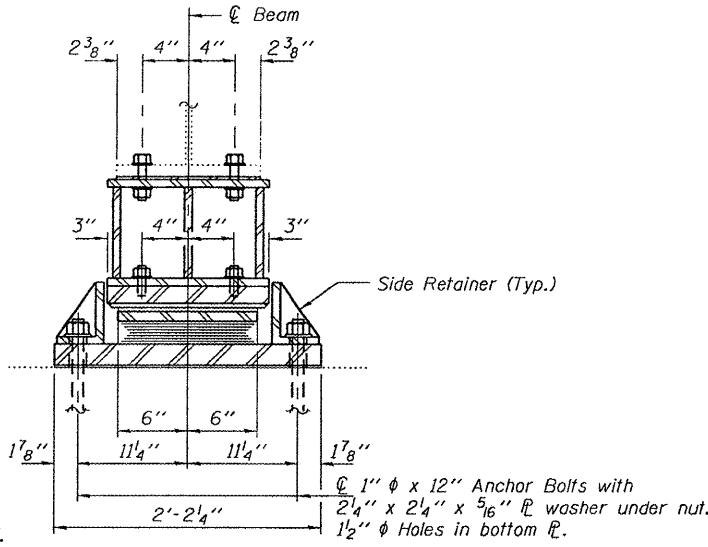
R <sub>P</sub>	(K)	28.9
R <sub>L</sub>	(K)	38.7
Imp.	(K)	10.4
R (Total)	(K)	78.0

Notes:  
Diaphragm removal and reinstallation may be required to facilitate drilling holes. Cost included with Furnishing and Erecting Structural Steel.  
New steel extensions, shim plates and connection bolts are included with Furnishing and Erecting Structural Steel.  
Prior to ordering any material, the Contractor shall verify in the field all bearing height and shim thickness dimensions. Min. jack capacity = 45 Tons.  
Anchor bolts shall be ASTM F1554 all-thread (or an Engineer-approved alternate material) of the grade(s) and diameter(s) specified. ASTM A307 Grade C anchor bolts may be used in lieu of ASTM F1554 Grade 36 (F<sub>y</sub>=36ksi). The corresponding specified grade of AASHTO M314 anchor bolts may be used in lieu of ASTM F1554.  
Anchor bolts for Type II bearings shall be placed in holes drilled through the bottom bearing plate after members are in place. Side retainers shall be placed after bolts are installed.  
Drilled and set anchor bolts shall be installed according to Article 521.06 of the Standard Specifications.  
Side retainers shall be included in the cost of Elastomeric Bearing Assembly, Type II.  
The 1/8" PTFE sheet shall be bonded directly to the top steel plate with a two-component, medium viscosity epoxy resin, conforming to the requirements of the Federal Specification MMM-A-134, Type I. The bond agent shall be applied on the full area of the contact surfaces.  
Bonding of 1/8" PTFE sheet during vulcanizing process will be permitted provided the process and method of adjusting assembly height is approved by the Engineer.

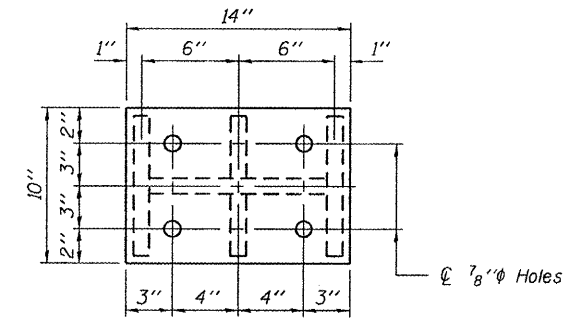


ELEVATION AT ABUTMENT

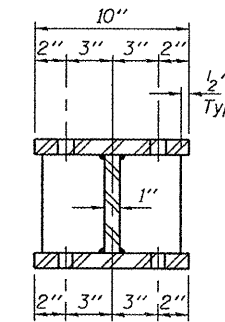
TYPE II TFE ELASTOMERIC EXP. BRG.



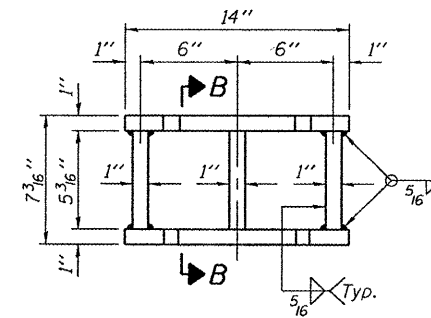
SECTION A-A



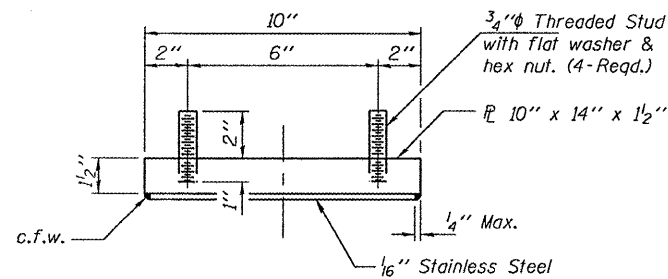
PLAN TOP AND BOTTOM PLATE



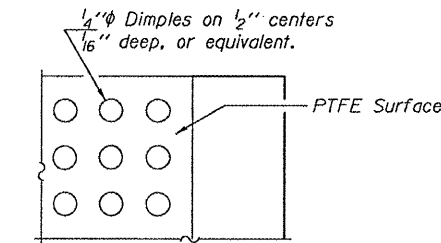
SECTION B-B



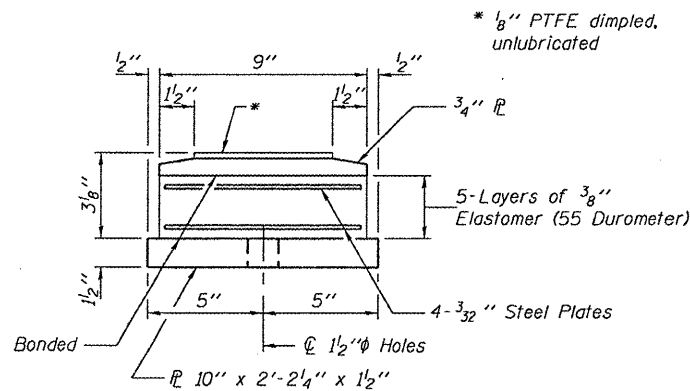
STEEL EXTENSION DETAIL



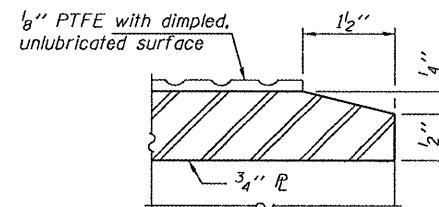
TOP BEARING ASSEMBLY



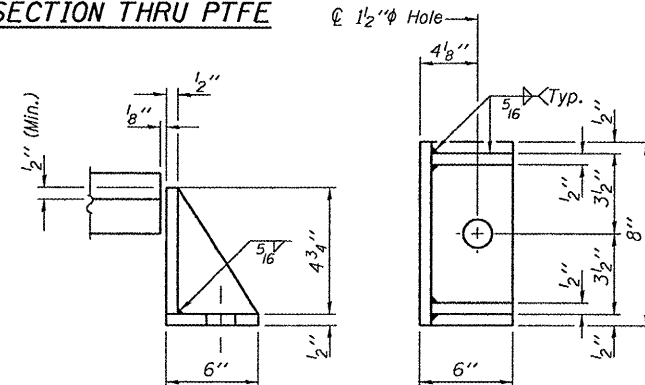
PLAN-PTFE SURFACE



BOTTOM BEARING ASSEMBLY

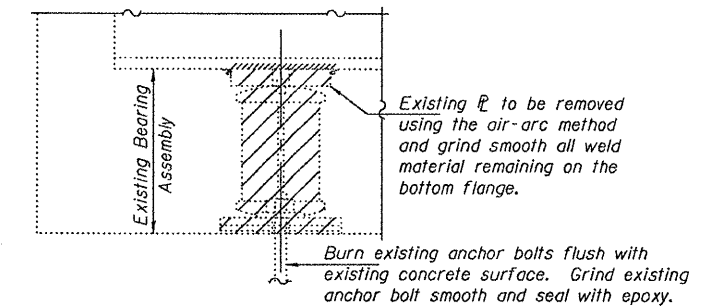


SECTION THRU PTFE



SIDE RETAINER

Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

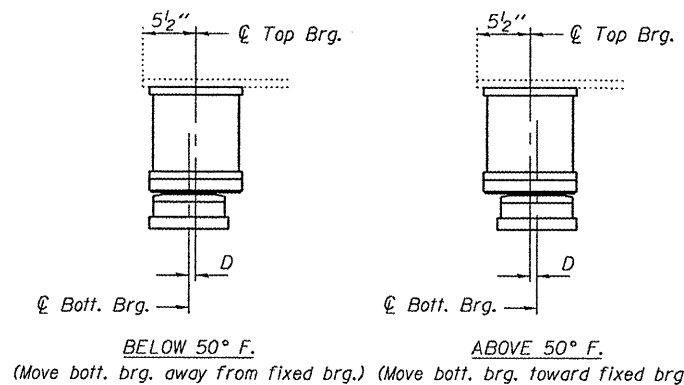


EXISTING BEARING REMOVAL DETAIL

Cost included with Jack and Remove Existing Bearings.

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly, Type II	Each	10
Jack and Remove Existing Bearings	Each	10
Furnishing and Erecting Structural Steel	Pound	1450
Anchor Bolts 1" ∅	Each	20



SETTING ANCHOR BOLTS AT EXP. BRG.

D = 1/8" per each 100' of expansion for every 15° temp. change from the normal temp. of 50°F.

ELASTOMERIC BEARING DETAILS

IL-165 OVER MACKINAW RIVER

SN 057-0110

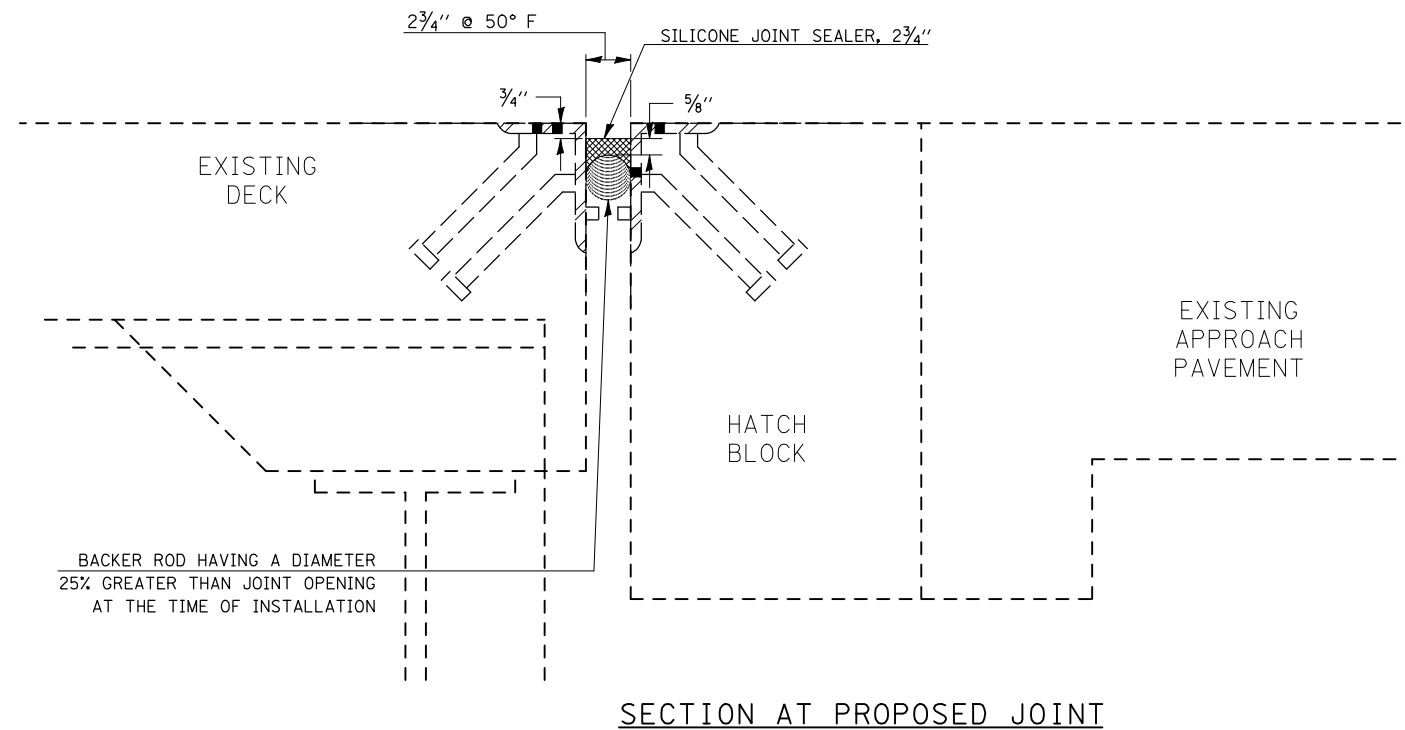
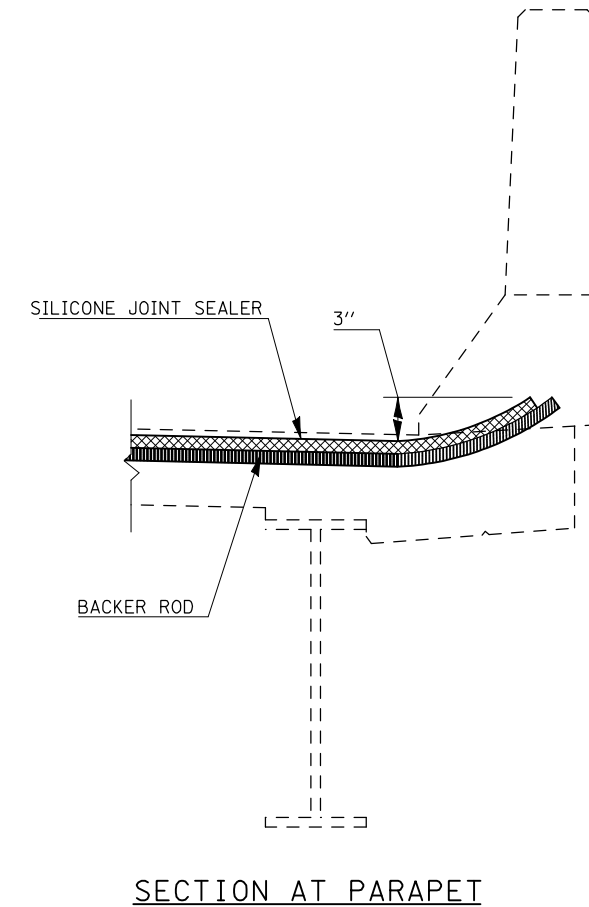
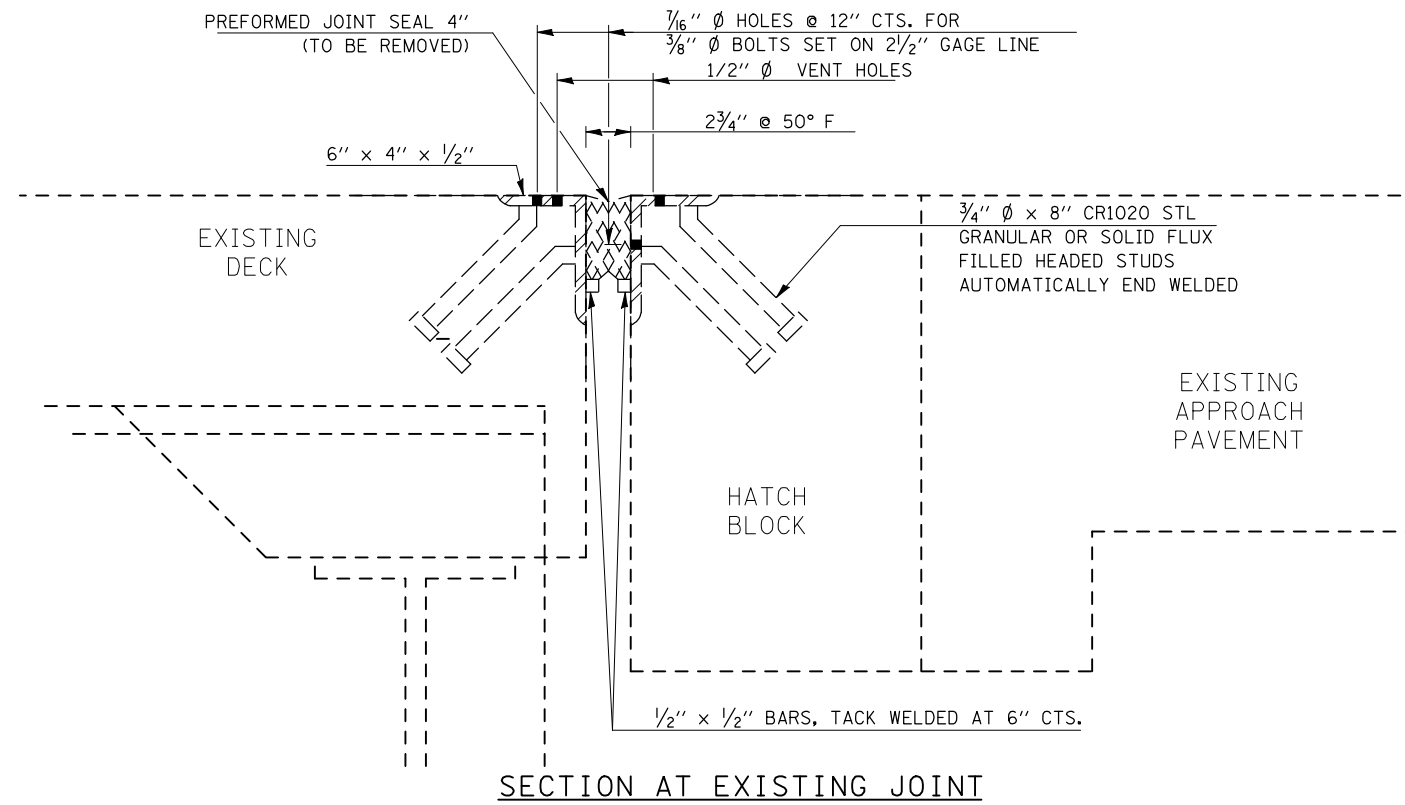
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CHECKED: [Signature]  
DRAWN: Kyle M. Steffen  
CHECKED: [Signature] ATH  
MARCH 2, 2010  
EXAMINED: [Signature]  
PASSED: [Signature]  
ENGINEER OF STRUCTURAL SERVICES  
ENGINEER OF BRIDGES AND STRUCTURES  
TYII/REPS 12-03-2008

SHEET NO. 2 8 SHEETS	F.A.S. RTE. 2484	SECTION (125,126,127)RS-2	COUNTY McLEAN	TOTAL SHEETS 122	SHEET NO. 40
	CONTRACT NO. 70510				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			



# JOINT REPAIR DETAILS

## S.N. 057-0110



### BILL OF MATERIAL

Item	Unit	Total
Silicone Joint Sealer, 2 3/4"	Foot	71.0

FILE NAME =	USER NAME = coombessf	DESIGNED - RTC	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>JOINT REPAIR DETAILS S.N. 057-0110</b>			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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		CHECKED -	REVISED -								CONTRACT NO. 70510		
		DATE -	REVISED -								ILLINOIS FED. AID PROJECT		

# EXISTING GENERAL PLAN AND ELEVATION

## S.N. 057-0110

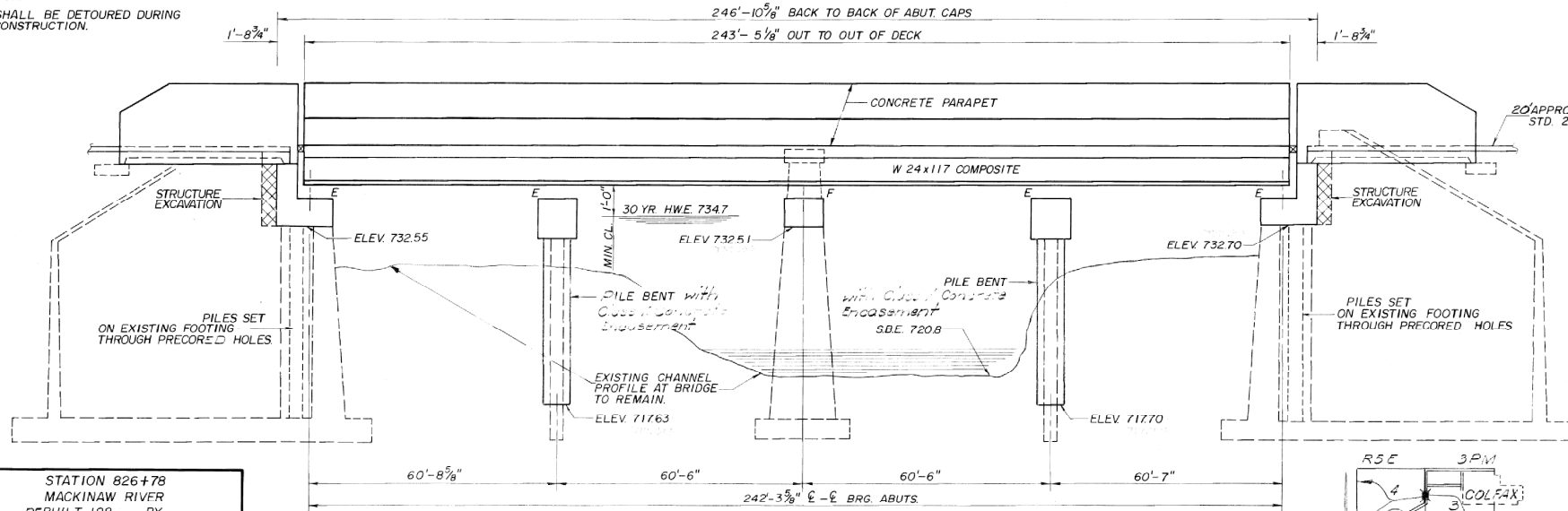
### (FOR INFORMATION ONLY)

F.A.S. ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
2484	126 BR	MCLEAN	15	6

#### GENERAL NOTES

BRIDGE SHEET 1 OF 15

BENCHMARK: CHISELED SQUARE ON NORTHEAST WINGWALL OF BRIDGE  
RT STA. 828+00 ELEV. 738.60  
EXISTING STRUCTURE: STATION 826+78 BUILT IN 1928 AS SEC. 126  
SB1 ROUTE 165, TWO SIMPLE STEEL THROUGH TRUSS  
SPANS WITH SOLID REINFORCED CONCRETE ABUTMENTS  
AND PIERS, 239'-6" FA-FA ABUTMENTS, EXISTING  
DECK REINFORCED CONCRETE ON STEEL STRINGERS,  
21'-0" FA-FA CURBS, EXISTING TRUSS AND DECK TO BE  
REMOVED, EXISTING SUBSTRUCTURE TO BE WIDENED TO  
ACCOMMODATE A NEW SUPERSTRUCTURE, 32'-0"  
FACE TO FACE OF PARAPETS, EXIST. SN. 057-0110  
SALVAGE: NONE  
TRAFFIC: SHALL BE DETOURED DURING  
CONSTRUCTION.

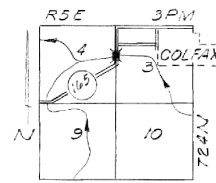


STATION 826+78  
MACKINAW RIVER  
REBUILT 198 BY  
STATE OF ILLINOIS  
FAS RTE 2484 SECTION 126 BR  
LOADING HS 20  
STR. NO. 057-0110

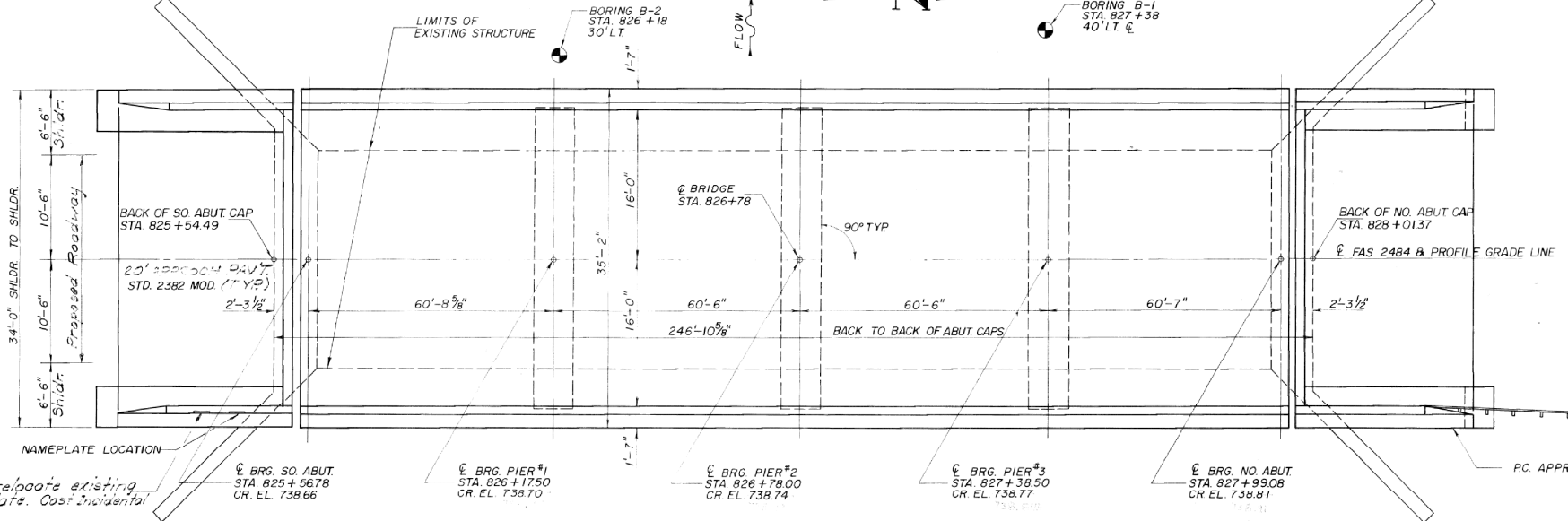
LETTERING FOR NAMEPLATE  
SEE STD. 2113

PROJECT BH5-2484(102)

**ELEVATION**



LOCATION MAP



**PLAN**

#### BILL OF MATERIAL - BRIDGE

ITEM	UNIT	SUPER	SUB	TOTAL
REMOVAL OF EXISTING SUPERSTRUCTURES	EACH			1
CONCRETE REMOVAL	CU. YD.		46.0	46.0
STRUCTURE EXCAVATION	CU. YD.		22	22
FLOOR DRAINS	EACH	24		24
CHAINAGE SCUPPERS	EACH	8		8
CLASS X CONCRETE	CU. YD.	273.5	68.3	341.8
STRUCTURAL STEEL	LUMP SUM	1		1
REINFORCEMENT BARS	POUND		66.7	66.7
REINFORCEMENT BARS (EPOXY COATED)	POUND	65,220	16,770	81,990
NAME PLATES	EACH			1
PREFORMED JOINT SEAL (4")	LIN. FT.	70		70
PROTECTIVE COAT	SQ. YD.	1248		1248
* CLASS X CONCRETE ENCASUREMENT	CU. YD.		17.5	17.5
EPOXY CRACK SEALING	LIN. FT.		27	27
PRECAST CONCRETE BRIDGE SLAB	SQ. FT.		299	299
STEEL PILES (HP 10x57)	LIN. FT.		360	360
TEST PILES, STEEL (HP 10x57)	EACH		2	2
STUD SHEAR CONNECTORS	EACH	3540		3540
Furnishing Steel Piles (HP 8x36)	LIN. FT.		75	75

\* Cost of Excavation is incidental to Class X Concrete Encasement.

Clear & regrade existing  
Narrow Plots. Cost Incidental

#### WATERWAY INFORMATION

DRAINAGE AREA = 87.60 SQ. MI. LOW GRADE ELEV = 738.5 at STATION 826+78

FLOOD	FREQ. YR.	Q C.F.S.	OPENING SQ. FT.		NAT. HWE	HEAD - FT.		HEADWATER EL.	
			EXIST.	PROP.		EXIST.	PROP.	EXIST.	PROP.
DESIGN	30	5255	1716	1716	734.7	0.11	0.11	734.81	734.81
BASE	100	6726	1928	1928	735.6	0.13	0.13	735.73	735.73
OVERTOPPING									
MAX. CALC.	500	8636	2163	2163	736.6	0.19	0.19	736.79	736.79

#### DESIGN STRESSES

$f_c = 3500$  PSI  
 $f_y = 60,000$  PSI (REINFORCEMENT)  
 $f_y = 50,000$  PSI (STRUCTURAL STEEL M 223 GRADE 50)  
 $f_y = 36,000$  PSI (STRUCTURAL STEEL M 183)

#### PRECAST UNITS

$f_c = 4500$  PSI  
 $f_c = 1800$  PSI  
 $f_s = 24000$  PSI

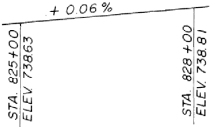
#### DESIGN SPECIFICATIONS

1982 AASHTO, 1984 INTERSTATE

#### LOADING HS 20-44

ALLOW 25% SQ. FT. FOR FUTURE WEARING SURFACE

#### PROFILE GRADE



GENERAL PLAN & ELEVATION  
F.A.S. RTE. 2484  
SECTION 126 BR  
MCLEAN COUNTY  
STA. 826+78.00  
STR. NO. 057-0110



FILE NAME =	USER NAME = coombessf	DESIGNED - RTC	REVISED -
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		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

EXISTING GENERAL PLAN AND ELEVATION  
S.N. 057-0110

SCALE: SHEET NO. 4 OF 8 SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	42
ILLINOIS FED. AID PROJECT			CONTRACT NO. 70510	

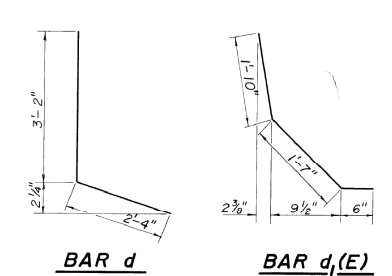
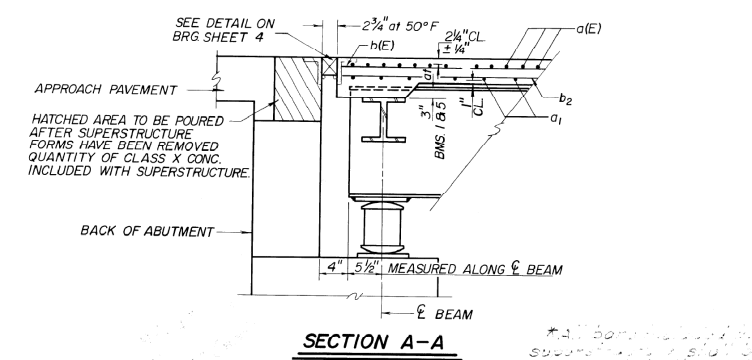
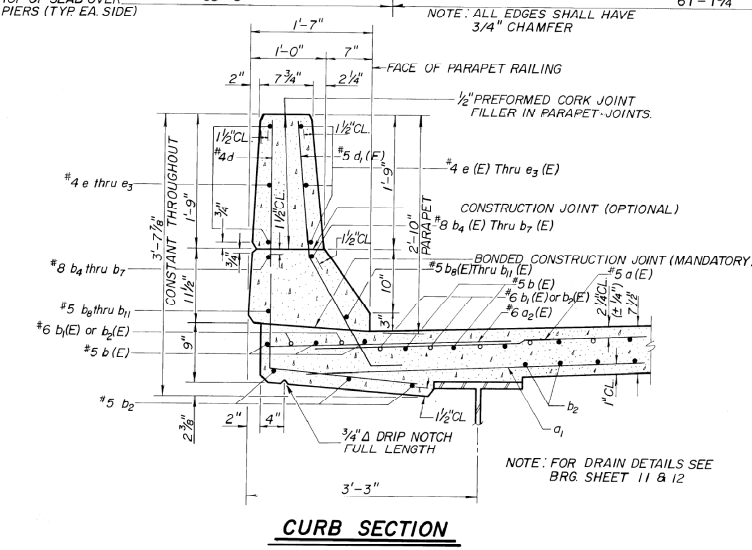
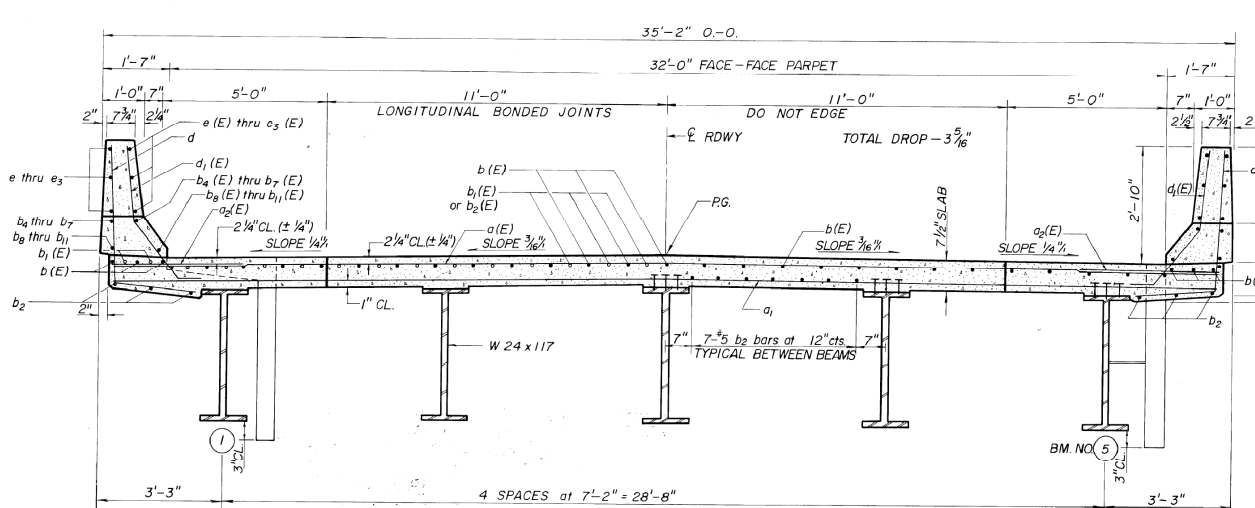
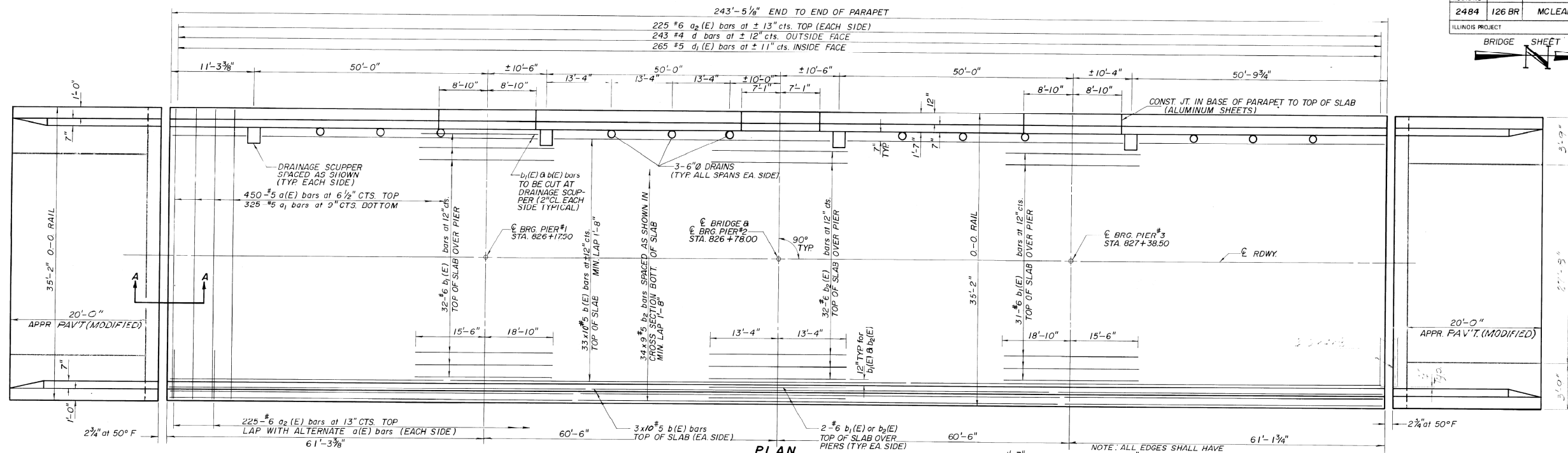
# EXISTING SUPERSTRUCTURE DETAILS

## S.N. 057-0110

### (FOR INFORMATION ONLY)

F.A.S. ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
2484	126 BR	MCLEAN	15	8

ILLINOIS PROJECT  
BRIDGE SHEET 3 OF 13



#### BILL OF MATERIAL - SUPERSTRUCTURE\*

BAR	NO.	SIZE	LENGTH	SHAPE
a(E)	450	#5	34'-6"	
a1	325	#5	34'-6"	
a2(E)	450	#6	4'-0"	
b(E)	351	#5	25'-8"	
b1(E)	72	#6	34'-4"	
b2(E)	36	#6	26'-8"	
b3	306	#5	28'-10"	
b4	8	#8	27'-8"	
b4(E)	8	#8	27'-8"	
b5	8	#8	8'-6"	
b5(E)	8	#8	8'-6"	
b6	8	#8	23'-10"	
b6(E)	8	#8	23'-10"	
b7	4	#8	6'-9"	
b7(E)	4	#8	6'-9"	
b8	8	#5	26'-10"	
b8(E)	8	#5	26'-10"	
b9	8	#5	8'-6"	
b9(E)	8	#5	8'-6"	
b10	8	#5	23'-0"	
b10(E)	8	#5	23'-0"	
b11	4	#5	6'-9"	
b11(E)	4	#5	6'-9"	
b12(E)	64	#5	25'-0"	
d	486	#4	5'-6"	
d1(E)	530	#5	3'-11"	
e	36	#4	17'-0"	
e(E)	36	#4	17'-0"	
e1	36	#4	14'-6"	
e1(E)	36	#4	14'-6"	
e2	24	#4	8'-6"	
e2(E)	24	#4	8'-6"	
e3	12	#4	6'-9"	
e3(E)	12	#4	6'-9"	
CLASS X CONCRETE				CU. YD. 2736
* REINFORCEMENT BARS (EPOXY COATED) LBS.				65,220

NOTE: BARS INDICATED THUS: 32 x 9 #5 ETC. INDICATES 32 LINES OF BARS WITH 9 LENGTHS PER LINE.

**SUPERSTRUCTURE**  
F.A.S. RTE. 2484  
SECTION 126 BR  
MCLEAN COUNTY  
STA. 826 + 78.00

FILE NAME =	USER NAME = coombessf	DESIGNED - RTC	REVISED -	<b>STATE OF ILLINOIS</b>	<b>EXISTING SUPERSTRUCTURE DETAILS</b>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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										ILLINOIS FED. AID PROJECT

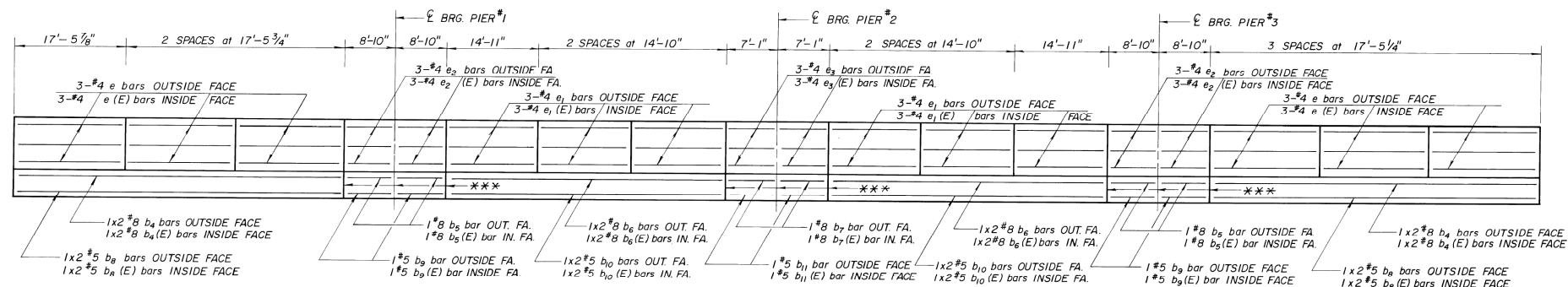
# EXISTING SUPERSTRUCTURE DETAILS

## S.N. 057-0110

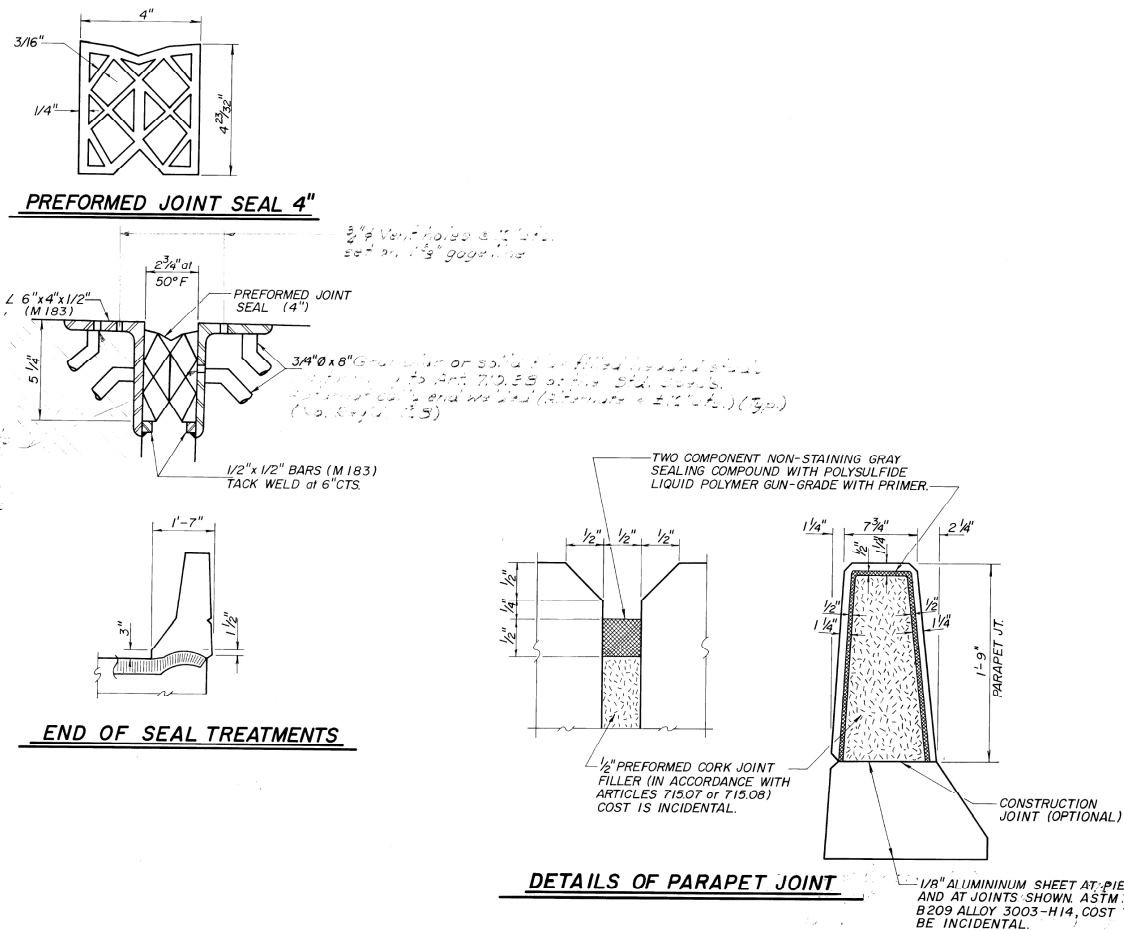
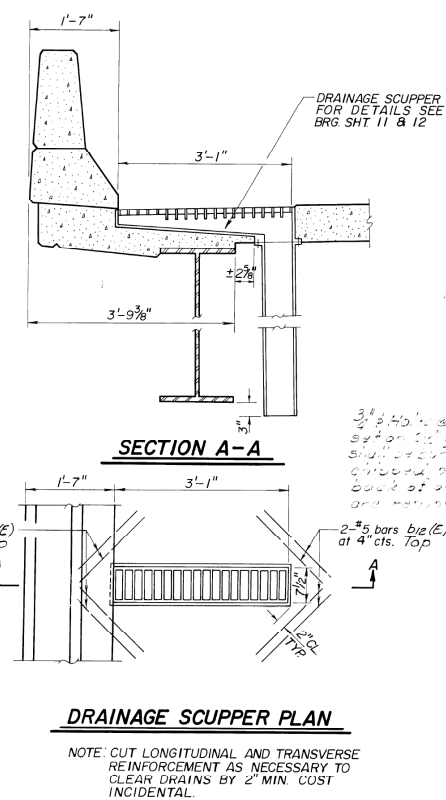
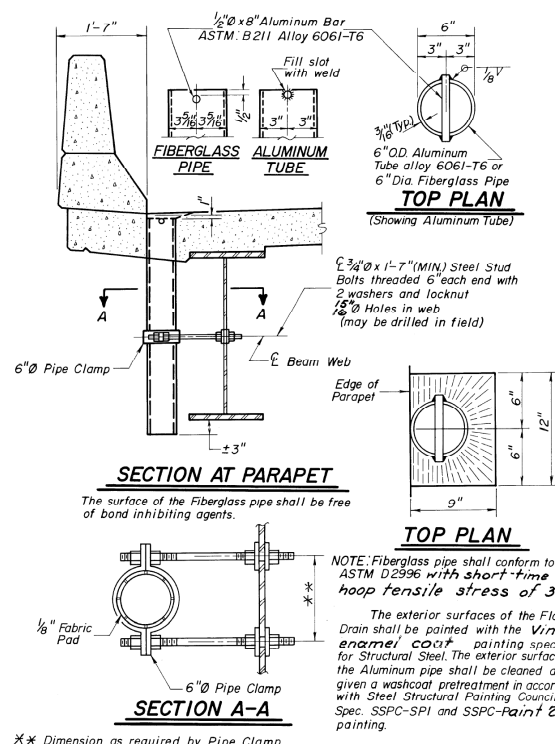
### (FOR INFORMATION ONLY)

F.A.S. ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
2484	126 BR	MC LEAN	18	9

BRIDGE SHEET 4 OF 13



BARS INDICATED THUS: 1x2#8 b<sub>2</sub> ETC. INDICATES  
1 LINE OF BARS WITH 2 LENGTHS PER LINE.  
MIN. LAP REQUIRED  
#5 BAR - 1'-8"  
#8 BAR - 3'-8"



**SUPERSTRUCTURE DETAILS**  
**F.A.S. ROUTE 2484**  
**SECTION 126 BR**  
**MC LEAN COUNTY**  
**STA. 826 + 78.00**

SHEET 6 OF 8

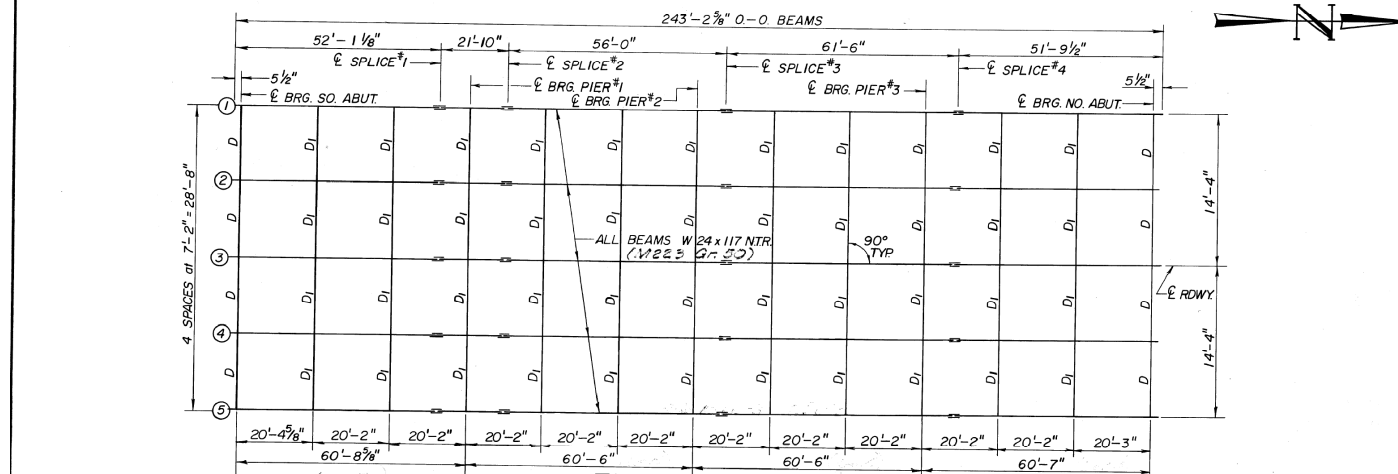
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		DATE -	REVISD -								ILLINOIS FED. AID PROJECT	

# EXISTING STRUCTURAL STEEL DETAILS

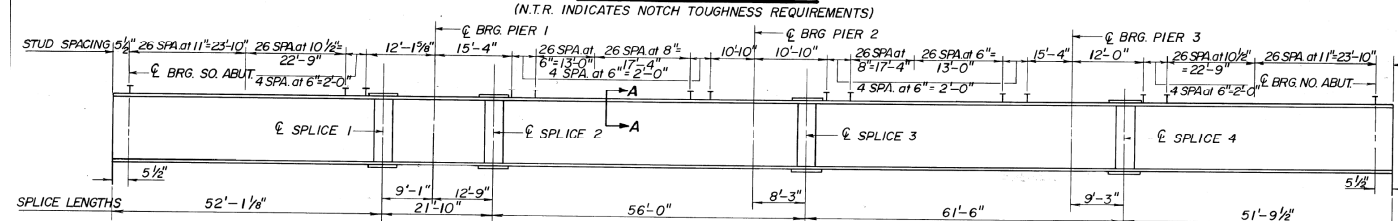
## S.N. 057-0110

### (FOR INFORMATION ONLY)

A.S. ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
2484	126 BR	MCLEAN	78	11



**FRAMING PLAN**



**BEAM ELEVATION**

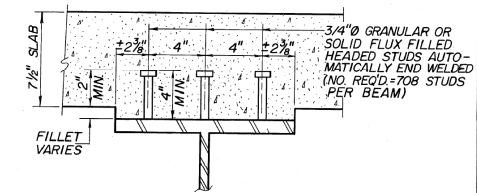
### MOMENT TABLE

(COMPOSITE IN POSITIVE MOMENT AREAS ONLY)

	INTERIOR BEAM MOMENT TABLE			
	0.4 SP 1 & 3	PIER 1 & 3	0.5 SP 2 & 3	PIER 2
$I_s$ (in <sup>4</sup> )	3540	3540	3540	3540
$I_c$ (in <sup>4</sup> )	10306		10306	
$S_s$ (in <sup>3</sup> )	291	291	291	291
$S_c$ (in <sup>3</sup> )	452		452	
$Q$ (k/ft)	0.820	1.184	0.820	1.184
$M \ell$ (k)	234	427	107	295
$S \ell$ (k/ft)	0.364		0.364	
$M_s \ell$ (k)	119		73	
$M_{LL}$ (k)	459	225	382	225
$M_{IMP}$ (k)	124	61	103	61
$S_3(M_{LL} + I)$ (k)	972	477	808	477
$M_o$ (k)	1722	1175	1285	1003
$M_u$ (k)				
$f_s \ell$ (non-comp)(ksi)	9.6	176	4.4	12.2
$f_s \ell$ (comp)(ksi)	3.5		2.2	
$f_s S_3(\ell + I)$ (ksi)	25.8	197	21.5	19.7
$f_s$ (Overload)(ksi)	38.9	37.3	28.1	31.9
$f_s$ (Total)(ksi)	50.0	48.5	36.5	41.4
$VR$ (k)	40.3		39.6	

LOCATION	TOPO OF TOP FLANGE ELEVATION *				
	1	2	3	4	5
BRG. SOUTH ABUT.	737.69	737.82	737.94	737.82	737.69
SPLICE NO. 1	737.72	737.85	737.97	737.85	737.72
BRG. PIER NO. 1	737.73	737.86	737.97	737.86	737.73
SPLICE NO. 2	737.74	737.87	737.98	737.87	737.74
BRG. PIER NO. 2	737.77	737.90	738.01	737.90	737.77
SPLICE NO. 3	737.77	737.90	738.01	737.90	737.77
BRG. PIER NO. 3	737.80	737.93	738.04	737.93	737.80
SPLICE NO. 4	737.81	737.94	738.05	737.94	737.81
BRG. NORTH ABUT.	737.84	737.97	738.08	737.97	737.84

\* PRIOR TO  $Q$  DEFLECTION - FOR FABRICATION ONLY

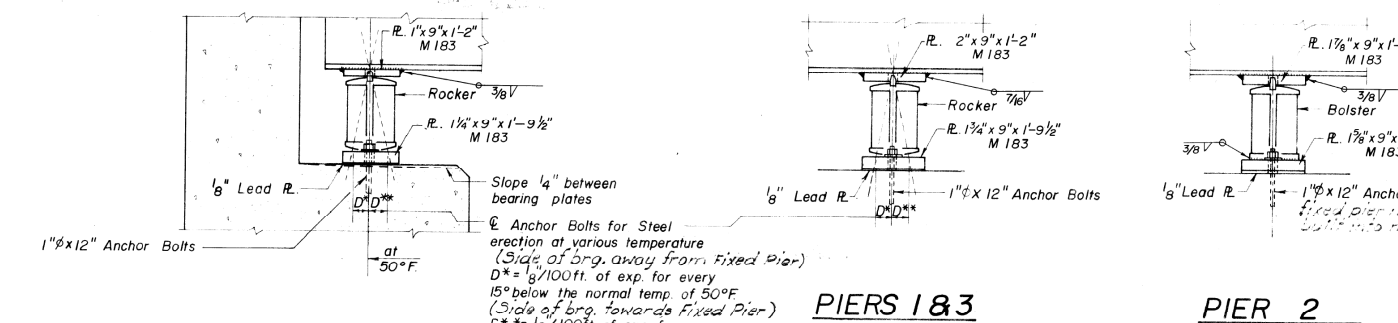


**SEC. A-A**

$M_a$  = (Applied Moment) =  $1.3[M \ell + M_o \ell + 5_3(M \ell + I)]$   
 $I_s$  and  $S_s$  are the moment of inertia and section modulus of the steel section used in computing  $f_s$  (Total and Overload).  
 $I_c$  and  $S_c$  are the moment of inertia and section modulus of the composite section used in computing  $f_s$  (Total and Overload).  
 $VR$  is the maximum  $V$  impact shear range in span.

The Fully Plastic Moment capacity ( $M_u$ ) is computed according to AASHTO 1.7.59(A) & 1.7.62(A).  
 $f_s$  (Total) is the sum of the stresses due to  $M \ell + \frac{5}{3}(M \ell + I)$ .  
 $f$  (Overload) is the sum of the stresses due to  $M \ell + \frac{5}{3}(M \ell + I)$ .

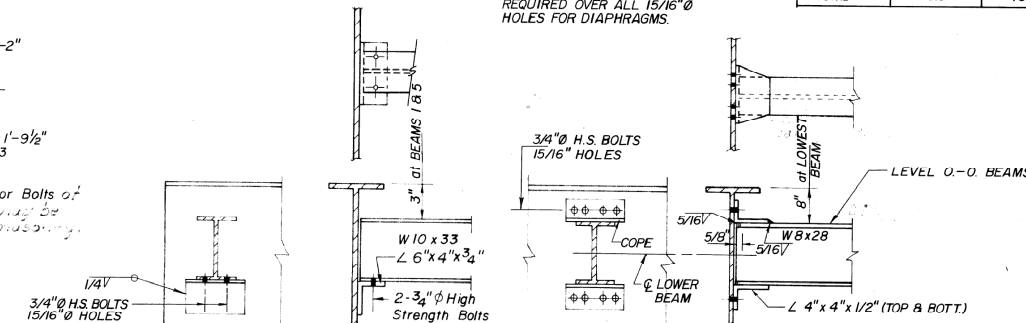
	INTERIOR BEAM REACTION TABLE		
	ABUT.	PIER#1,3	PIER#2
$R_{DL}$ (k)	28.9	81.0	67.2
$R_{LL}$ (k)	38.7	48.5	46.9
$IMP$ (k)	10.4	9.9	9.6
$R_{TOTAL}$ (k)	78.0	139.4	123.7



**SECTION AT ABUTMENT**

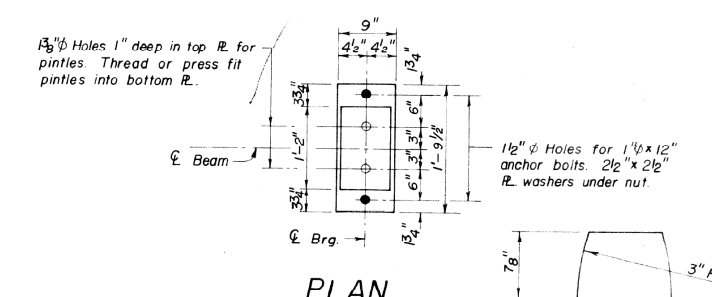
**PIERS 1 & 3**

**PIER 2**



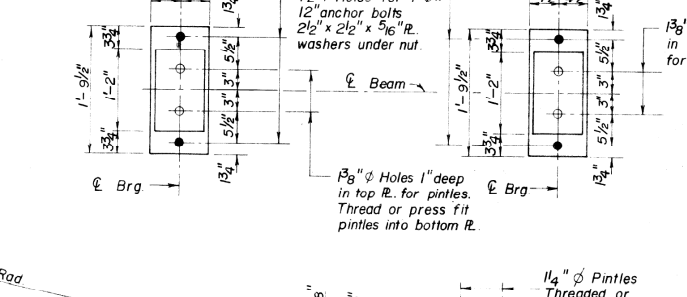
**DIAPHRAGM D**

**DIAPHRAGM D1**

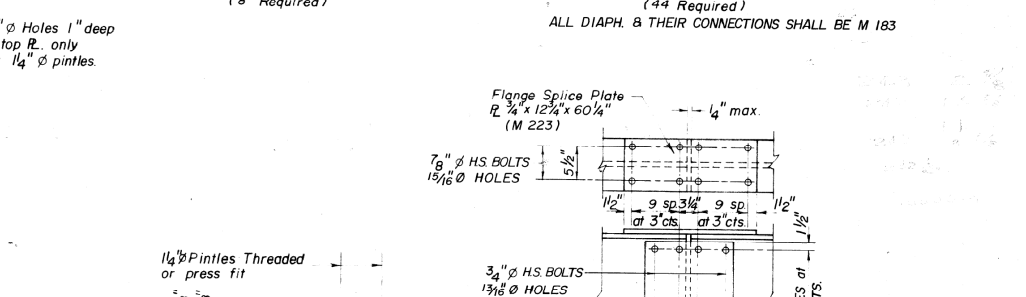


**PLAN**

**DETAIL OF PINTLE**



**DETAIL OF ROCKER AT ABUTS & DETAIL OF ROCKER AT PIERS 1 & 3 (M183)**



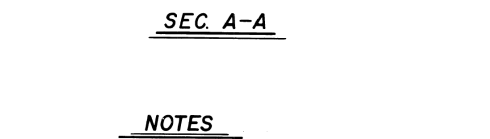
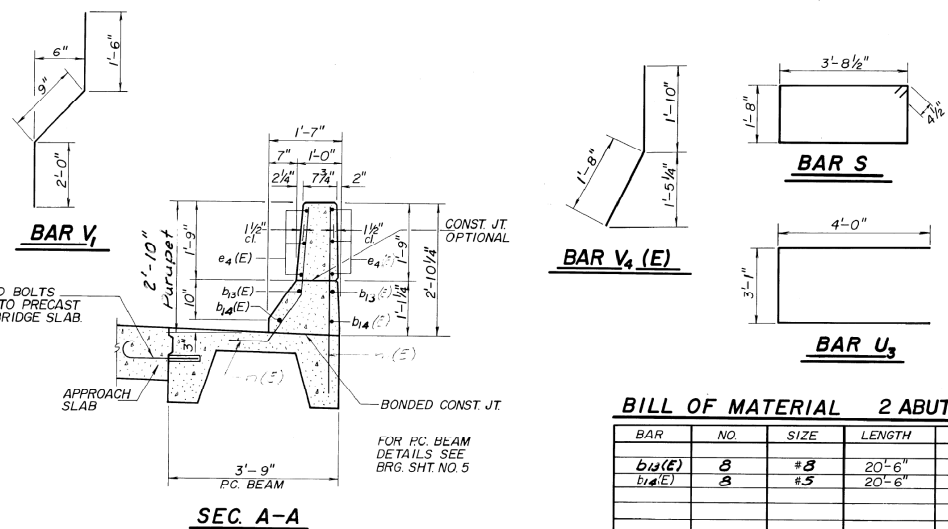
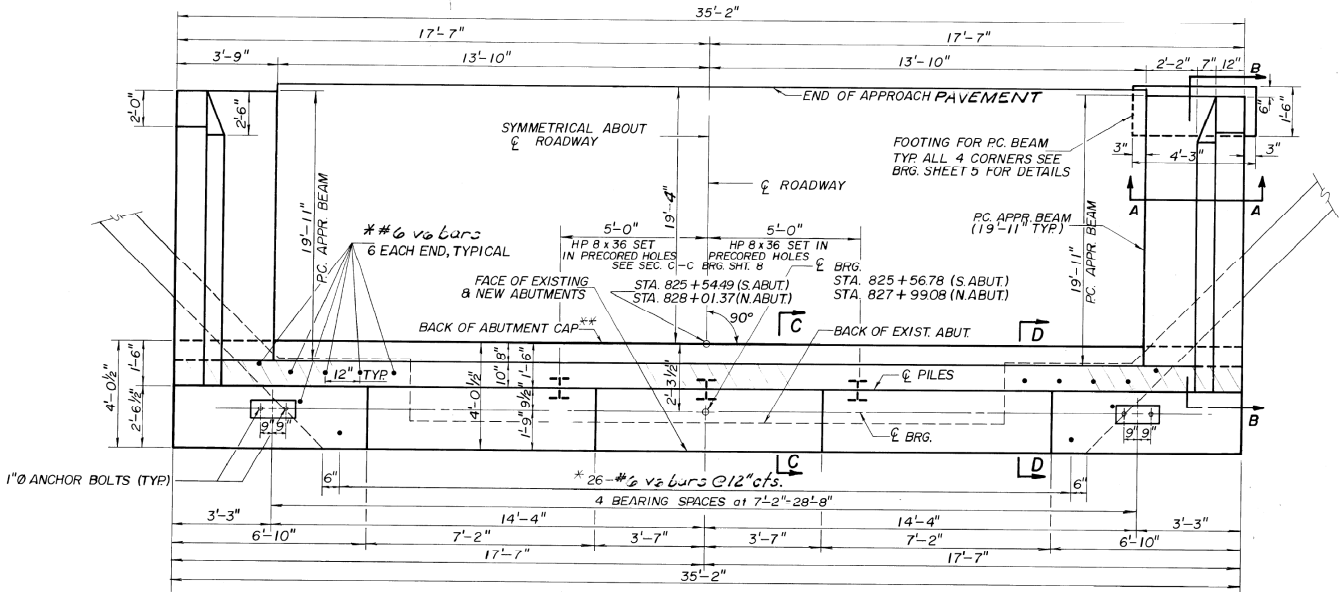
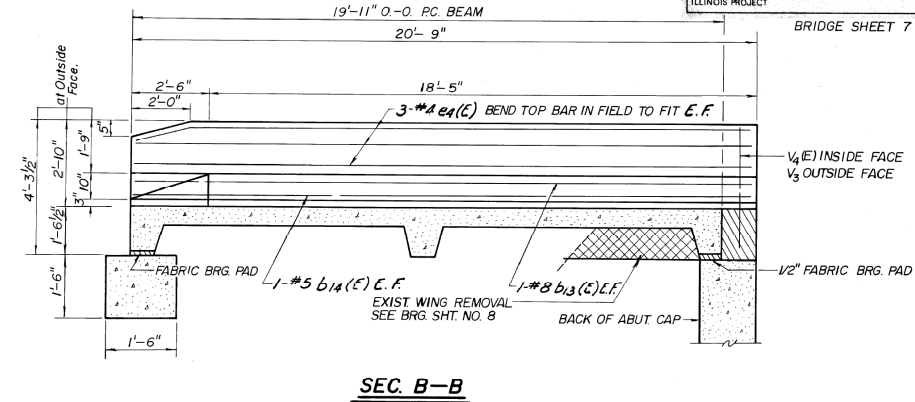
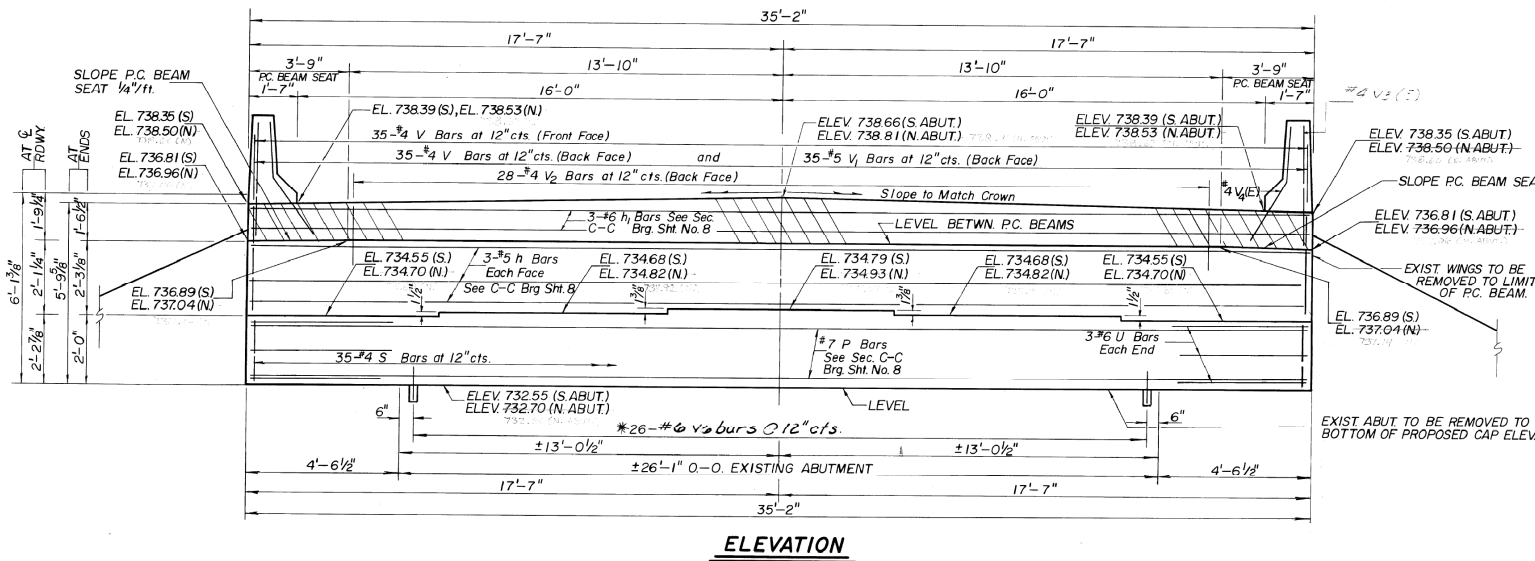
**DETAIL OF BOLSTER AT PIER 2 (M183)**

**DETAIL OF SPLICE**

**STRUCTURAL STEEL DETAILS**  
**F.A.S. ROUTE 2484**  
**SECTION 126 BR**  
**MCLEAN COUNTY**  
**STATION 826 + 78**

# EXISTING ABUTMENT DETAILS S.N. 057-0110 (FOR INFORMATION ONLY)

F.A.S. ROUTE NO.	SEC.	COUNTY	TOTAL SHEETS	SHEET NO.
2484	126 BR	MCLEAN	18	12
ILLINOIS PROJECT				
BRIDGE SHEET 7 OF 13				



**BILL OF MATERIAL 2 ABUTMENTS**

BAR	NO.	SIZE	LENGTH	SHAPE
b <sub>1</sub> (E)	8	#8	20'-6"	—
b <sub>2</sub> (E)	8	#5	20'-6"	—
e <sub>1</sub> (E)	24	#4	20'-6"	—
h	12	#5	34'-10"	—
h <sub>1</sub>	6	#6	34'-10"	—
s	70	#4	11'-6"	□
p	20	#7	34'-10"	—
u	12	#6	11'-1"	—
v	140	#4	3'-6"	—
v <sub>1</sub>	70	#5	4'-6"	—
v <sub>2</sub>	56	#4	2'-6"	—
v <sub>3</sub> (E)	4	#4	4'-0"	—
v <sub>4</sub> (E)	4	#4	3'-6"	—
v <sub>5</sub> (E)	70	#5	5'-0"	—
CLASS X CONCRETE			CU YD.	41.7
REINFORCEMENT BARS			POUNDS	3640
REINFORCEMENT BARS (EPOXY COATED)			POUNDS	1340
CONCRETE REMOVAL			CU YD.	24.8
EPOXY CRACK SEALING			LIN. FT.	27
STEEL PILES HP 8 X 36			LIN. FT.	75

**NOTES**

SPACE REINFORCEMENT IN CAP TO MISS ANCHOR BOLTS.

POUR STEPS MONOLITHICALLY WITH CAP.

HATCHED AREAS TO BE POURED AFTER SUPERSTRUCTURE FORMS HAVE BEEN REMOVED. CLASS X CONCRETE BILLED WITH SUPERSTRUCTURE.

ALL EXPOSED EDGES SHALL HAVE A 3/4" CHAMFER EXCEPT AS NOTED.

REINFORCEMENT BARS DESIGNATED (E) SHALL BE EPOXY COATED.

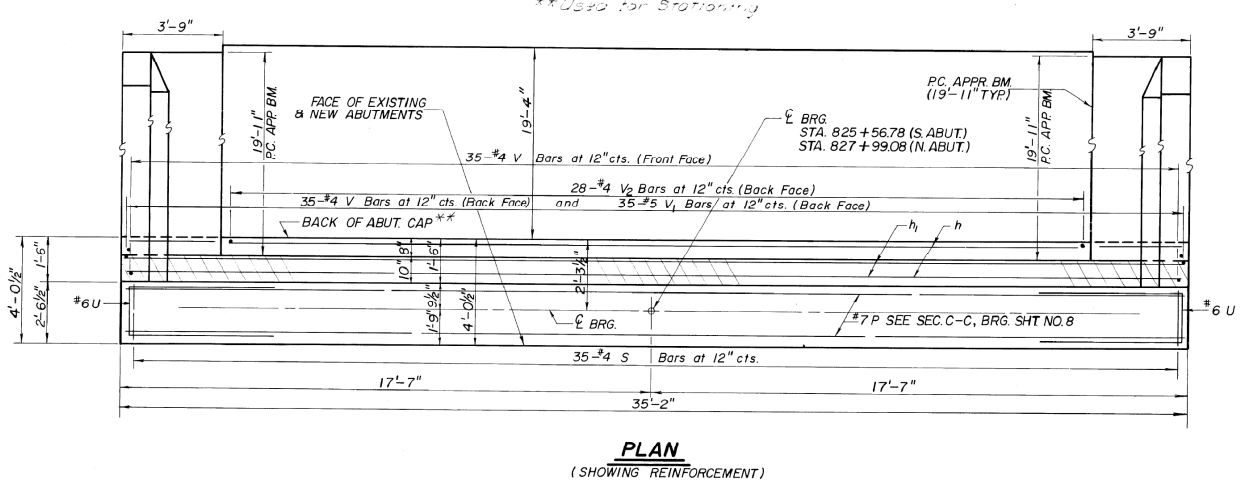
EXISTING REINFORCEMENT EXTENDING INTO REMOVED AREA SHALL BE CLEANED AND INCORPORATED INTO THE NEW CONSTRUCTION.

CROSS HATCHED AREAS INDICATE CONCRETE REMOVAL.

FOR SECTIONS C-C AND D-D SEE BRG. SHT. NO. 8

\*Drawings for this project shall be used as a guide only. All dimensions shall be verified in the field. See BRG. SHT. NO. 8 for epoxy coat.

Bars indicated (E) shall be epoxy coated.



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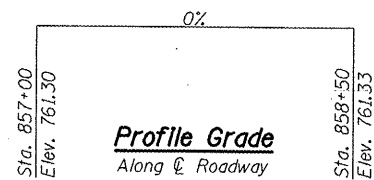
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**EXISTING ABUTMENT DETAILS  
S.N. 057-0110**

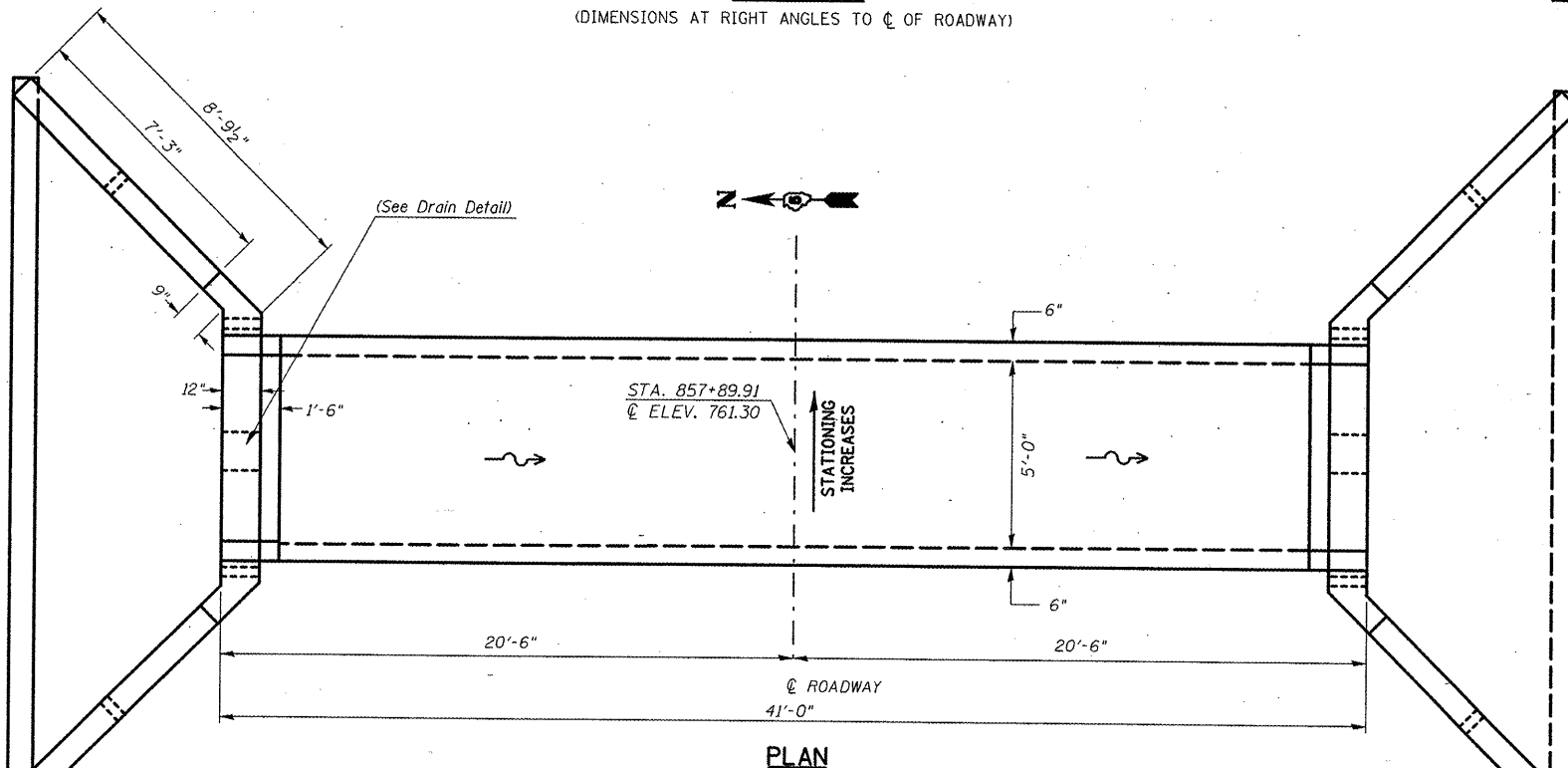
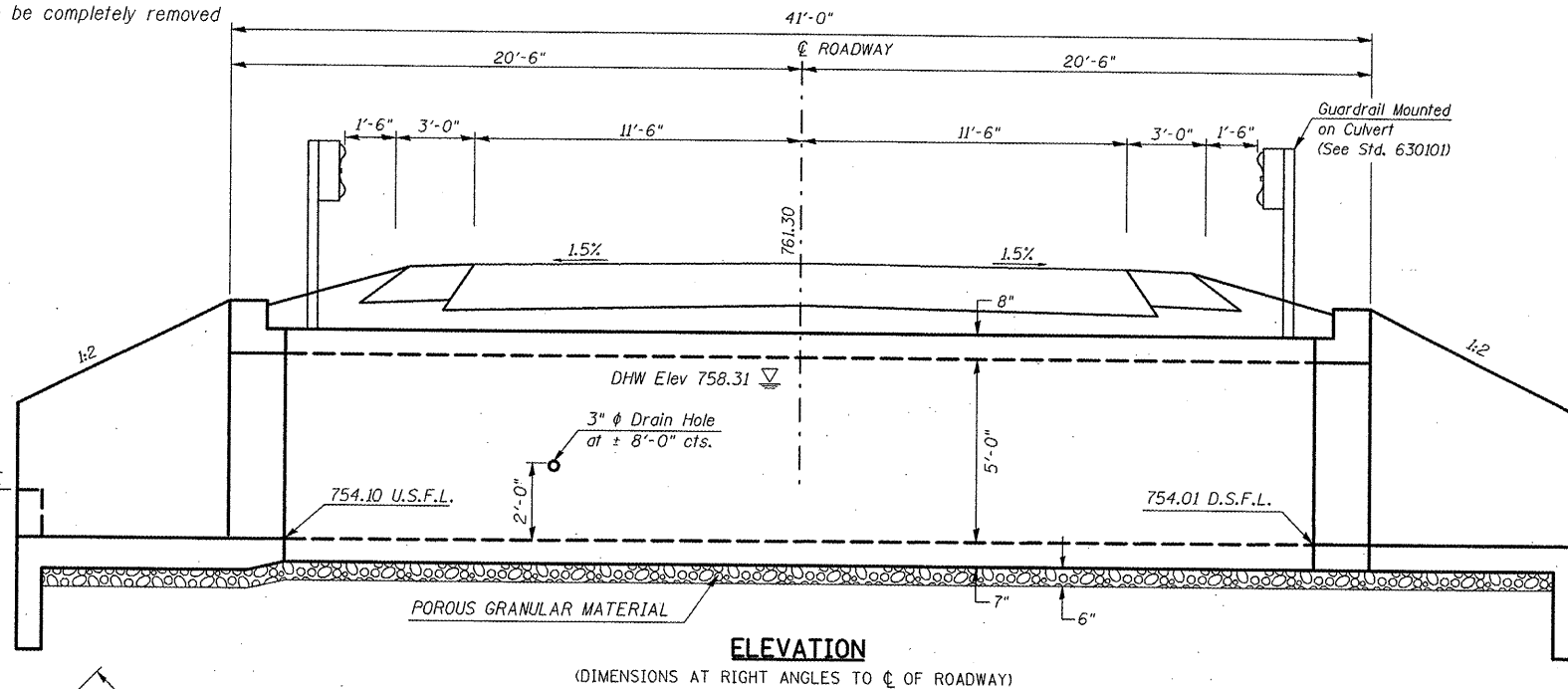
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	46
CONTRACT NO. 70510				
ILLINOIS FED. AID PROJECT				

EXISTING STRUCTURE: The existing structure was built in 1929 at station 857+89.91 as a 4'x6' R.C. Box Culvert as SBI 165, Section 127 in McLean County. The existing structure is to be completely removed and replaced. Road Closure will be utilized.



UPSTREAM DROP STRUCTURE  
ELEVATION = 755.26



**INDEX OF SHEETS**

- 1. General Plan and Elevation
- 2.-3. Box Culvert End Section Details

**DESIGN SPECIFICATIONS**

2002 AASHTO

**LOADING HS20-44**

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

**DESIGN STRESSES**

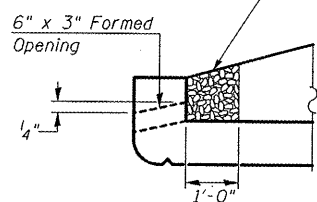
**FIELD UNITS**

$f'_c = 3,500$  psi  
 $f_y = 60,000$  psi (reinforcement)  
 $f_y = 65,000$  psi (welded wire fabric)

**PRECAST UNITS**

$f'_c = 5,000$  psi  
 $f_y = 65,000$  psi (welded wire fabric)

Coarse aggregate full length of both headwalls. To be placed by Grading Contractor. Cost included with Box Culvert End Sections.



**DRAIN DETAIL**

**Design Scour Elevation Table**

Design Scour Elevation (ft.)	Upstream	Downstream
	751.10	751.01

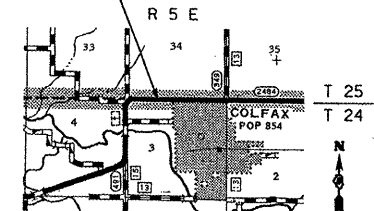
**WATERWAY INFORMATION**

Drainage Area = 0.1 sq. mi. Low Grade Elev. 857+89.91 @ Sta. 761.3

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	72	24	25			757.03	757.34	
Base	50	124	24	25			758.14	758.31	
Overtopping	100	149	24	25			758.68	758.79	
Max. Calc.	500	210	24	25			760.06	760.01	

Note: Information provided using the USGS 2004-5103 Method.

CULVERT NO. 3  
857+89.91



**LOCATION SKETCH**

**General Notes**

Build tops of headwalls parallel to the grade lines.

All construction joints shall be bonded according to Article 503.09 of the Standard Specifications.

Reinforcement bars shall conform to the requirements of ASTM A706 Gr. (IL Modified). See Special Provisions.

The 6" Porous Granular Material required per Art. 540.06 of the Standard Specifications shall also extend beneath the Box Culvert End Sections and shall be considered included in the cost of Precast Concrete Box Culverts and Box Culvert End Sections.

When lapping sheets of welded wire fabric, the overlap measured between the outermost cross wires of each fabric sheet shall not be less than 8"

End Sections will be paid for at the contract unit price per each for BOX CULVERT END SECTIONS, as outlined in Section 540 of the Standard Specifications.

Class SI Concrete shall be used throughout.

Concrete, Rebar, and Welded Wire Fabric quantities and lengths calculated for the cast-in-place End Sections may vary based on the precast box culverts supplied.

Drain holes shall be provided in accordance with Article 503.11 of the Standard Specifications.

The box culvert end section shall be built in the field and a precast option is not allowed except the cut-off wall may be precast. If the contractor elects to use a precast cut-off wall, shop drawings and a proposed construction sequence shall be submitted to the Engineer for approval.

The ends of the precast box sections adjacent to the end section shall be formed without the male and female shapes specified in Article 8.1 of AASHTO M273. See Sections B-B, D-D, E-E, and F-F on Sheet 3.

The design fill height for this box is less than 2 feet. The precast concrete box culvert sections shall conform to the requirements of AASHTO M273. The design reinforcement areas shall conform to those found in Table 1 of the AASHTO M273 specification for a 5' x 5' box section.

The joints between precast box sections shall be sealed, all voids filled with a mastic joint sealer. In addition, the joints shall be externally sealed on all four sides with a 13 inch wide external sealing band. The seal shall be centered over the joint, secured in place and protected during the backfilling process.

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

Drawings not to scale.

**TOTAL BILL OF MATERIAL**

Item	Unit	Total
Removal of Existing Structures No. 3	Each	1
Precast Concrete Box Culverts 5'x5' (M273)	Foot	38
Box Culvert End Section, Culvert No. 3	Each	2
Steel Plate Beam Guardrail, Attached To Str.	Foot	12

**GENERAL PLAN AND ELEVATION**  
**SINGLE 5'x5' PRECAST BOX CULVERT**  
**F.A.S. ROUTE 2484 - SECTION (125,126,127)RS-2**  
**MCLEAN CO.**  
**STATION 857+89.91**  
**CULVERT NO. 3**

Sheet 1 of 3

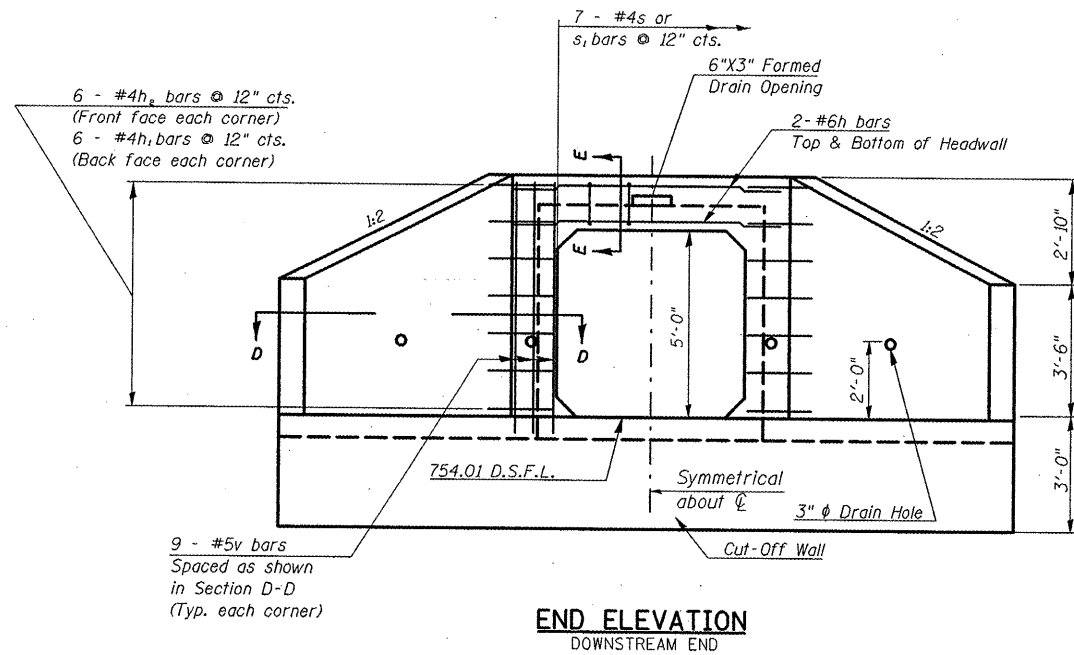
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**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

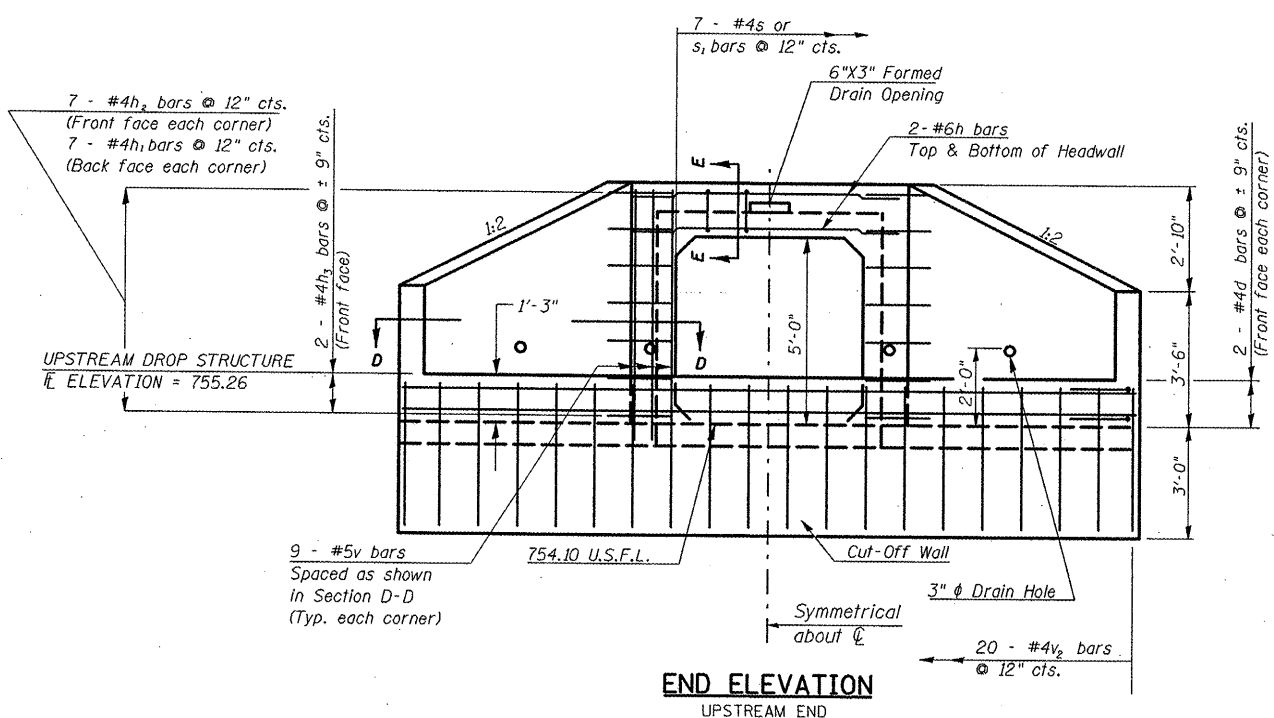
**GENERAL PLAN AND PROFILE**  
**BOX CULVERT REPLACEMENT AT STA. 857 + 89.91**

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

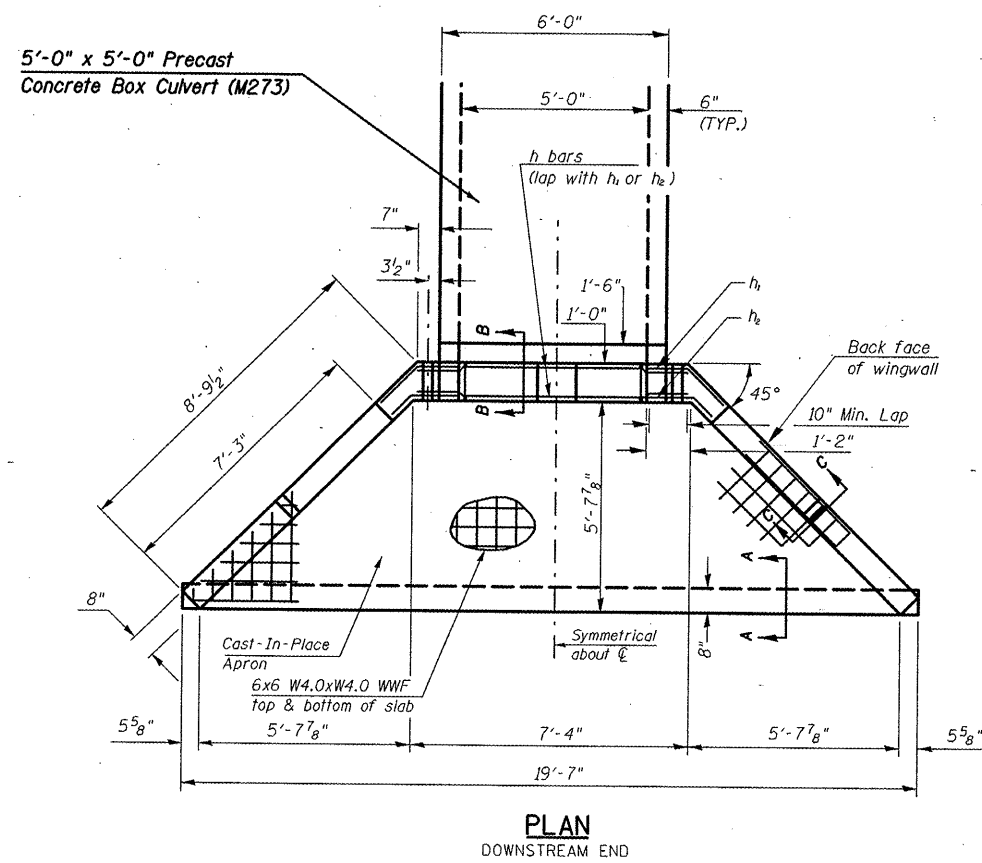
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ILLINOIS FED. AID PROJECT			CONTRACT NO. 70510	



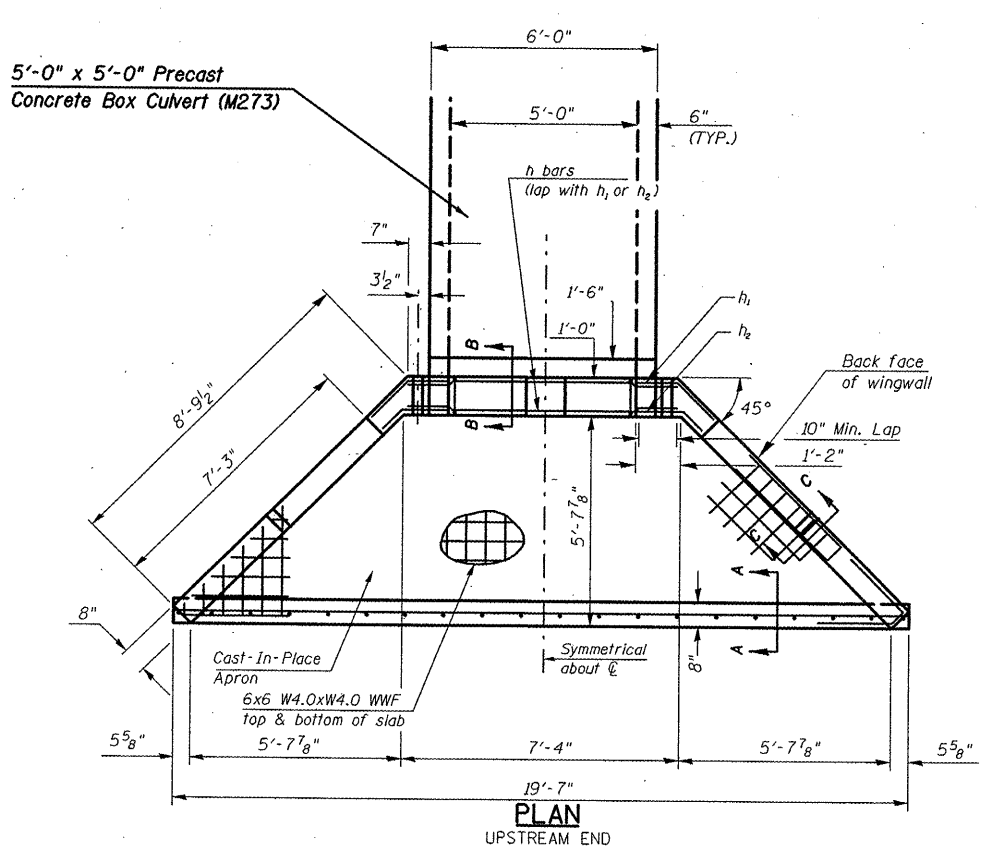
**END ELEVATION**  
DOWNSTREAM END



**END ELEVATION**  
UPSTREAM END



**PLAN**  
DOWNSTREAM END



**PLAN**  
UPSTREAM END

**END SECTION DETAILS**  
**SINGLE 5'x5' PRECAST BOX CULVERT**  
**F.A.S. ROUTE 2484 - SECTION (125.126.127)RS-2**  
**MCLEAN CO.**  
**STATION 857+89.91**  
**CULVERT NO. 3**

Sheet 2 of 3

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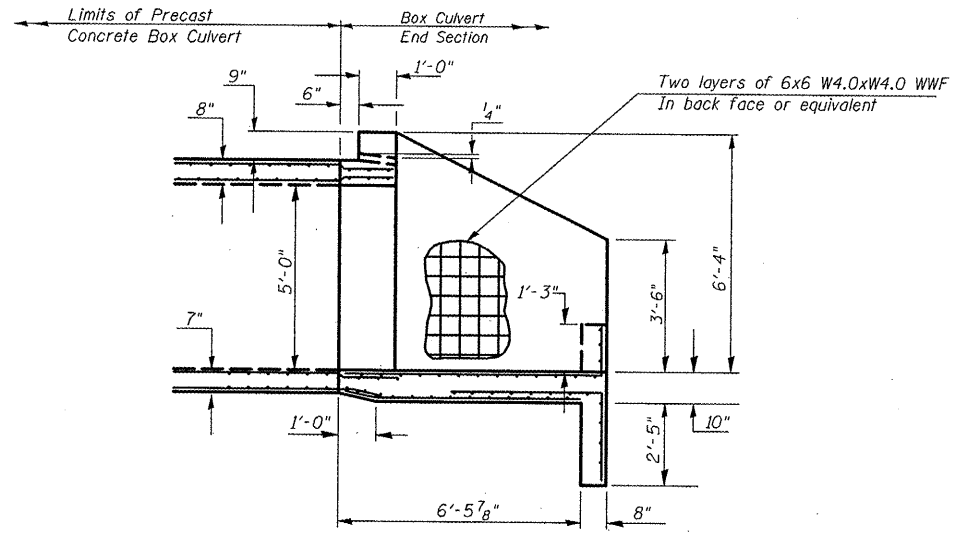
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**END SECTION DETAILS**  
**BOX CULVERT REPLACEMENT AT STA. 857+89.91**

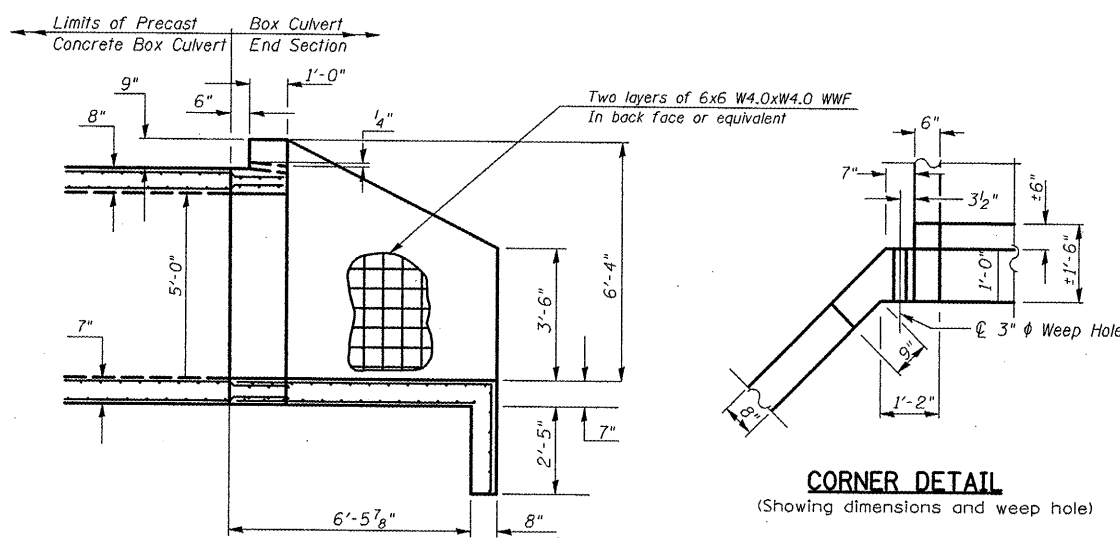
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125.126.127)RS-2	MCLEAN	122	48
CONTRACT NO. 70510			ILLINOIS FED. AID PROJECT	

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

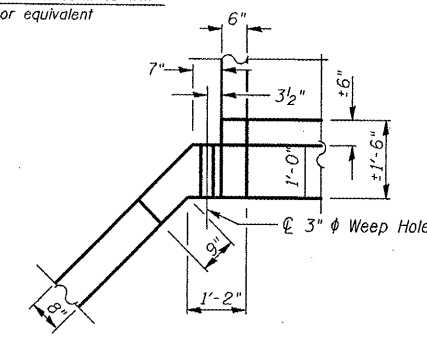




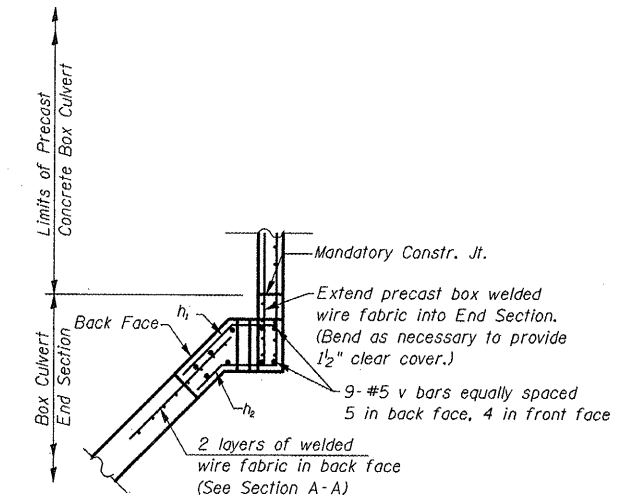
**HALFSIDE ELEVATION**  
UPSTREAM END  
DIMENSIONS AT RIGHT ANGLES TO CL PAVEMENT



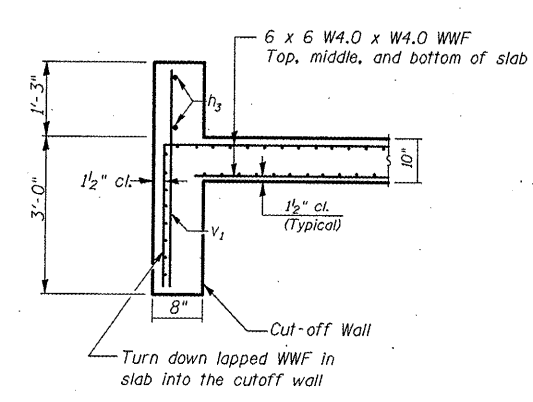
**HALFSIDE ELEVATION**  
DOWNSTREAM END  
DIMENSIONS AT RIGHT ANGLES TO CL PAVEMENT



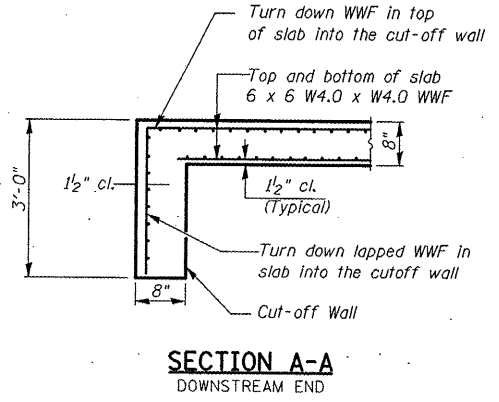
**CORNER DETAIL**  
(Showing dimensions and weep hole)



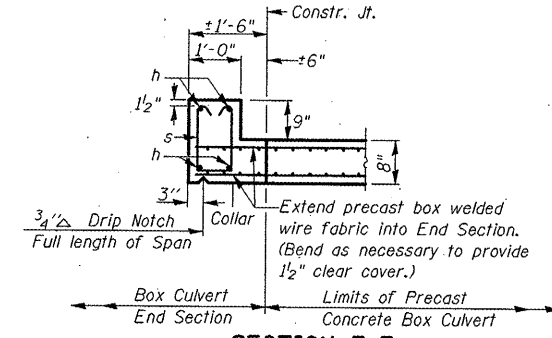
**SECTION D-D**  
(Showing reinforcement)



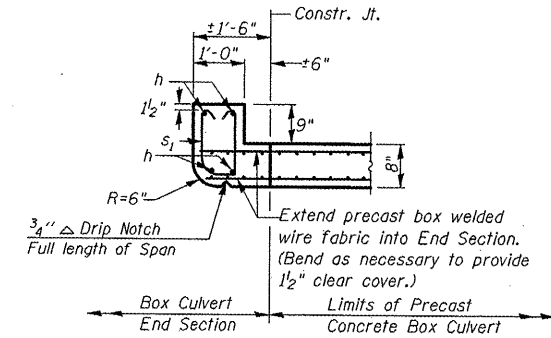
**SECTION A-A**  
UPSTREAM END



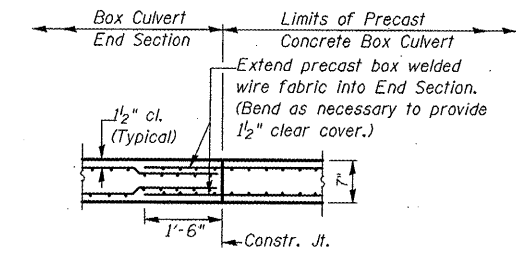
**SECTION A-A**  
DOWNSTREAM END



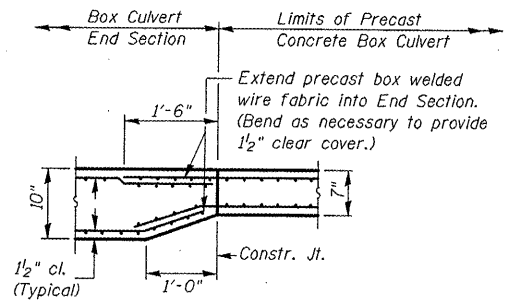
**SECTION E-E**  
TOP SLAB / HEADWALL DOWNSTREAM END



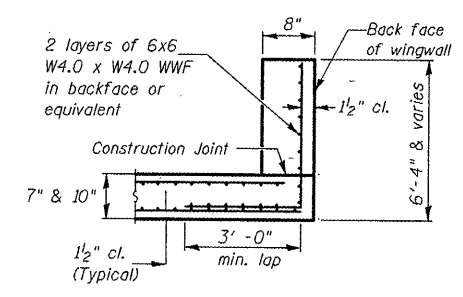
**SECTION E-E**  
TOP SLAB / HEADWALL UPSTREAM END



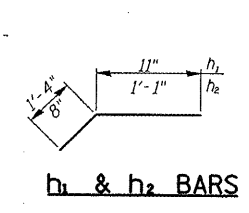
**SECTION B-B**  
BOTTOM SLAB  
(DOWNSTREAM END)



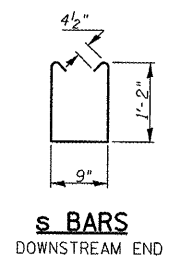
**SECTION B-B**  
BOTTOM SLAB  
(UPSTREAM END)



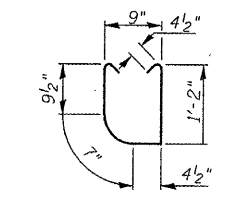
**SECTION C-C**  
WINGWALLS AND UPSTREAM  
DROP BOX



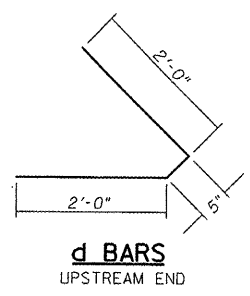
**h<sub>1</sub> & h<sub>2</sub> BARS**



**s BARS**  
DOWNSTREAM END



**s BARS**  
UPSTREAM END



**d BARS**  
UPSTREAM END

**BILL OF MATERIAL (UPSTREAM END)**  
For Information Only  
(One End Section)

Bar	No.	Size	Length	Shape
d	4	#4	4'-5"	
h	4	#6	6'-11"	
h <sub>1</sub>	14	#4	2'-3"	
h <sub>2</sub>	14	#4	1'-9"	
h <sub>3</sub>	2	#4	19'-0"	
s <sub>1</sub>	7	#4	3'-8"	
v	18	#5	6'-9"	
v <sub>1</sub>	20	#4	3'-11"	
Item		Unit	Total	
Concrete Box Culverts		Cu. Yd.	7.7	
Reinforcement Bars		Pound	215.0	
Welded Wire Fabric		Sq. Yd.	525.0	

**BILL OF MATERIAL (DOWNSTREAM END)**  
For Information Only  
(One End Section)

Bar	No.	Size	Length	Shape
h	4	#6	6'-11"	
h <sub>1</sub>	14	#4	2'-3"	
h <sub>2</sub>	14	#4	1'-9"	
s	7	#4	3'-10"	
v	18	#5	6'-9"	
Item		Unit	Total	
Concrete Box Culverts		Cu. Yd.	6.3	
Reinforcement Bars		Pound	179.0	
Welded Wire Fabric		Sq. Yd.	525.0	

**END SECTION DETAILS**  
**SINGLE 5'x5' PRECAST BOX CULVERT**  
**F.A.S. ROUTE 2484 - SECTION (125,126,127)RS-2**  
**MCLEAN CO.**  
**STATION 857+89.91**  
**CULVERT NO. 3**

FILE NAME: c:\pwwork\pwsdat\carroll-t\dms87296\10-sh-culvert-details.dgn	USER NAME: carroll-t	DESIGNED: RTC	REVISED: -
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PLOT DATE: 3/3/2018			

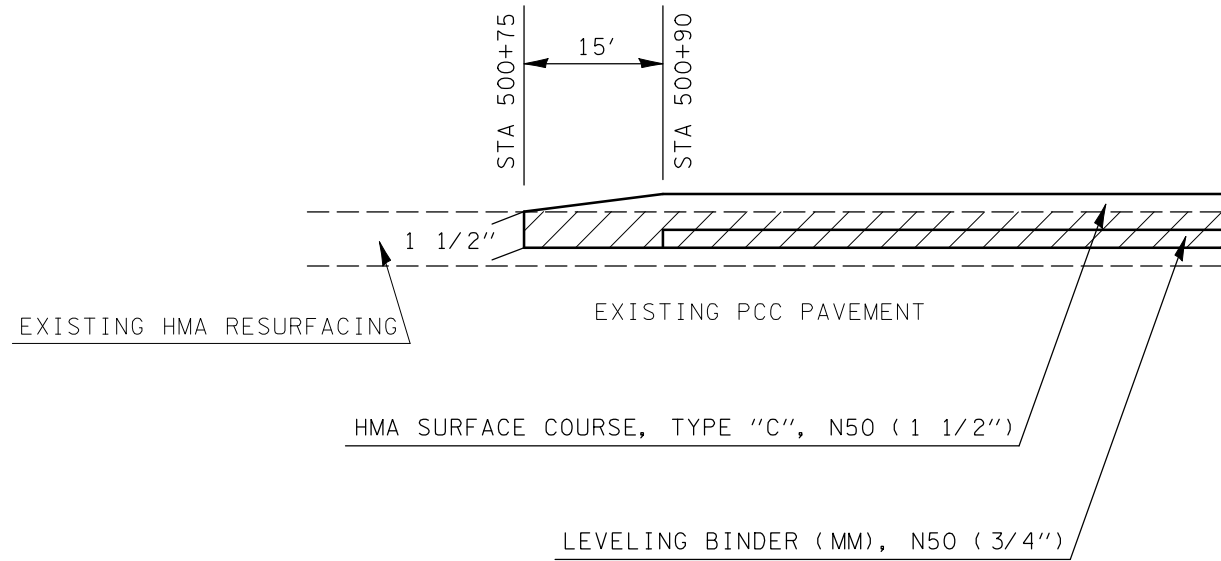
**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

**END SECTION DETAILS**  
**BOX CULVERT REPLACEMENT AT STA. 857 + 89.91**  
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE. 2484	SECTION (125,126,127)RS-2	COUNTY MCLEAN	TOTAL SHEETS 122	SHEET NO. 49
CONTRACT NO. 70510			ILLINOIS FED. AID PROJECT	

### BUTT JOINT AT BEGINNING OF PROJECT

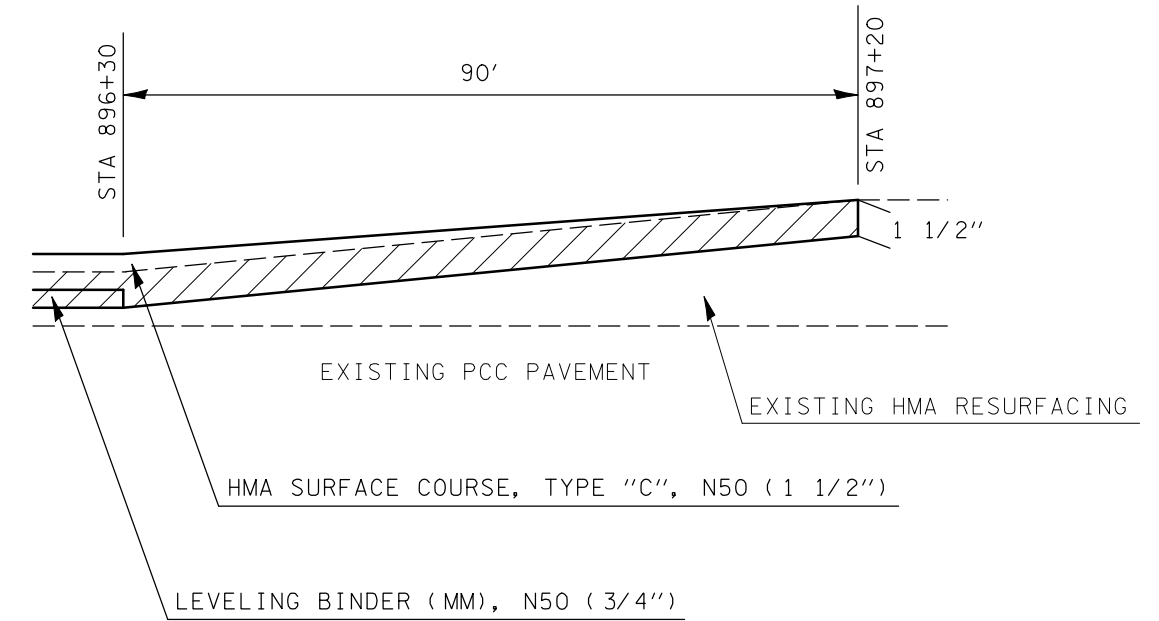
STA 500+90



HMA SURFACE REMOVAL, 1 1/2"

### BUTT JOINT AT END OF PROJECT

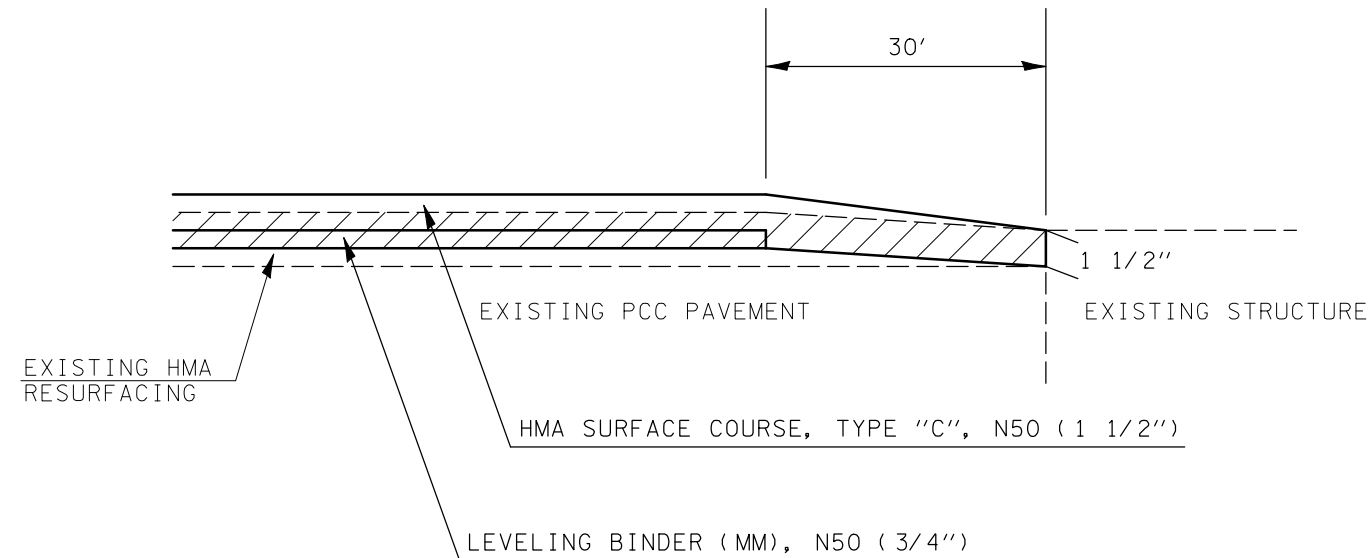
STA 896+30



HMA SURFACE REMOVAL, 1 1/2"

### BUTT JOINT AT STRUCTURES

SN 057-0220, 057-0221, 057-0222, 057-0110



HMA SURFACE REMOVAL, 1 1/2"

FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -
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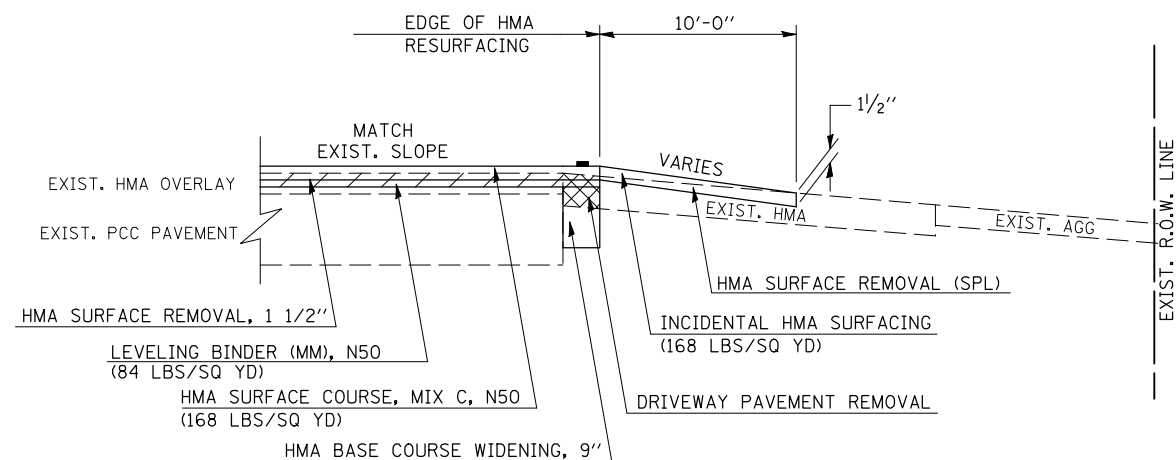
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT DETAILS**

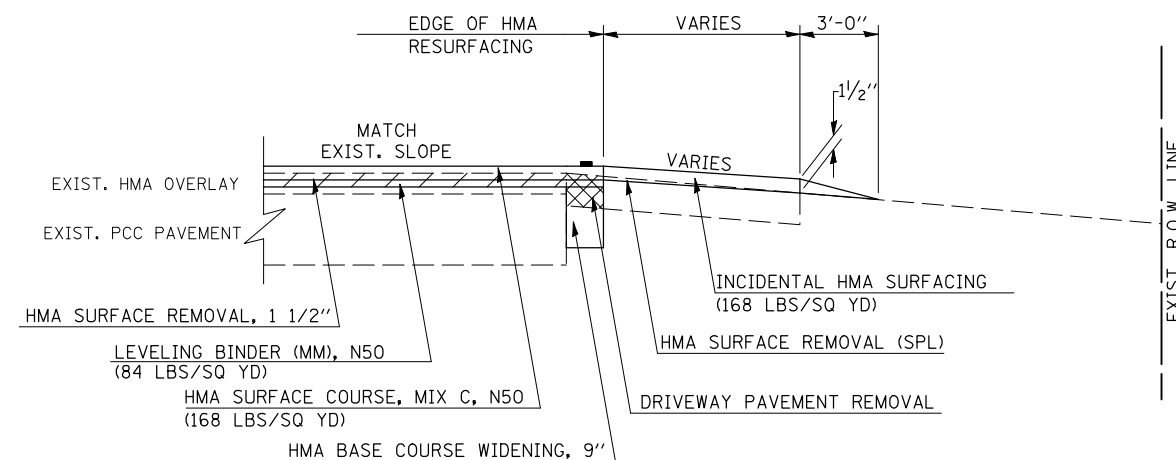
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	50
CONTRACT NO. 70510				
ILLINOIS FED. AID PROJECT				

EXISTING HMA PRIVATE OR COMMERCIAL ENTRANCE



EXISTING HMA MAILBOX TURNOUT



GENERAL NOTES

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS.
2. ANY NECESSARY WORK BEHIND THE HMA SHOULDER OR THE INCIDENTAL HMA SURFACING SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. EARTH EXCAVATION REQUIRED FOR THE CONSTRUCTION OF THE AGGREGATE SURFACE COURSE SHALL BE INCLUDED IN THE COST OF AGGREGATE SURFACE COURSE.
4. AGGREGATE BASE COURSE, TYPE B, 6" (150 mm) MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT SUFFICIENT BASE MATERIAL FOR THE PROPOSED ENTRANCES. THIS MATERIAL SHALL GENERALLY BE USED TO WIDEN ANY EXISTING RETURN OR TO CONSTRUCT NEW ENTRANCES WHERE NONE NOW EXISTS.
5. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 12" (300 mm) WIDER THAN THE SURFACE DIMENSIONS AS SHOWN ABOVE.
6. EXISTING FIELD ENTRANCES OF AGGREGATE OR EARTH WITH NO HMA APRON SHALL NOT RECEIVE A NEW HMA APRON WITHOUT PROPER APPROVAL THROUGH THE BUREAU OF OPERATIONS "POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS".
7. TO ASSURE APPROPRIATE ACCESS POLICIES ARE FOLLOWED ALL NEW ACCESS SHALL BE APPLIED FOR THROUGH THE BUREAU OF OPERATIONS PERMIT APPLICATION PROCESS. PLAN PREPARATION MEMORANDUMS 40-09 AND 40-11 ALONG WITH DISTRICT CONSTRUCTION MEMORANDUM 03/14 DISCUSS THIS PROCEDURE.

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

RURAL ENTRANCE DESIGN STANDARDS (PPM 40-09)															
DESIGN ELEMENT	NEW CONSTRUCTION & 3R with RECONSTRUCTION						3R w/out RECONSTRUCTION, 3P, SMART & CM								
	NONCOMMERCIAL			FIELD W/ FARM IMPLEMENTS			COMMERCIAL			NONCOMMERCIAL			COMMERCIAL		
	PRIVATE & FIELD			FIELD W/ FARM IMPLEMENTS			COMMERCIAL			PRIVATE & FIELD			COMMERCIAL		
	min.	des.	max.	min.	max.	min.	des.	max.	min.	des.	max.	min.	des.	max.	
SURFACE WIDTH (FT)	12			24			14						12		
	16			30			16						16		
	24						24						24		
RADIUS (FT)	15			30			20						20		
	25						30						50		
SHOULDER WIDTH (FT)	2			2			1						3		
SHOULDER SLOPE (%)	2			4			2						4		
ENTRANCE GRADE (%)	0			2 to 5			0						2 to 5		
SIDE SLOPE (FT)	1:10			1:6			1:10						1:6		
resurface existing configuration; existing hma or pcc entrances shall have "butt joints" constructed; existing aggregate or earth entrances shall have the continuation of aggregate shoulders placed behind them															
INCIDENTAL HMA SURFACING (INCH)	2			2			3 or 4						taper from hma resurfacing thickness (2 1/2", 2 1/4" or 1 1/2") to 1 1/2" for "butt joints" and to minimize aggregate shoulder		
AGGREGATE SURFACE COURSE, TYPE B (INCH)	6			6			8						if applicable use items: Preparation of Base & Aggregate Base Repair; see PPM 30-02		
PCC DRIVEWAY PAVEMENT (INCH)	6												6 or 8		

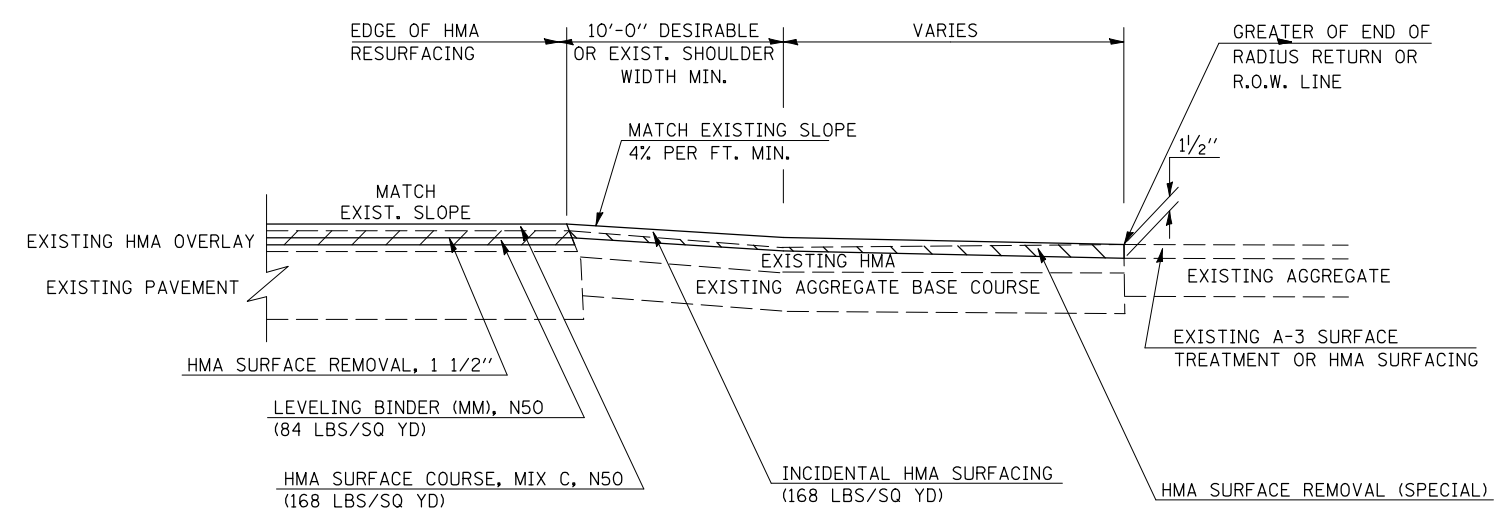
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	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/13/2010	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PRIVATE AND COMMERCIAL ENTRANCES AND MAILBOX TURNOUTS				
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	51
CONTRACT NO. 70510				
ILLINOIS FED. AID PROJECT				

**SIDEROADS & SIDESTREETS**



**GENERAL NOTES**

1. THE EXISTING SURFACE SHALL BE PREPARED IN ACCORDANCE WITH SECTION 408 OF THE STANDARD SPECIFICATIONS
2. PROPOSED SIDEROAD GRADES SHALL BE AS SHOWN IN THE PLANS AND/OR AS DIRECTED BY THE ENGINEER.
3. MAJOR SIDEROAD/SIDESTREETS (>400 ADT) SHALL HAVE "BUTT JOINTS" CONSTRUCTED WHETHER THE EXISTING ENTRANCE IS HMA OR PCC. MINOR SIDEROAD/SIDESTREETS (<400 ADT) SHALL HAVE "FEATHEREDGE RUNDOWNS".
4. AGGREGATE BASE COURSE, TYPE B OF THE THICKNESS SPECIFIED IN THE PLANS 6" MIN. SHALL BE USED WHERE IN THE OPINION OF THE ENGINEER THERE IS NOT 6" EXISTING BASE MATERIAL FOR THE PROPOSED SIDEROAD RETURNS. THIS MATERIAL SHALL BE USED TO WIDEN SIDEROAD RETURNS.
5. THE AGGREGATE BASE COURSE SHALL BE CONSTRUCTED 1' WIDER THAN THE SURFACE DIMENSIONS.
6. AGGREGATE SHOULDERS, TYPE B WILL BE WRAPPED AROUND THE SIDEROAD RETURNS. TAPER WIDTH FROM 4' ALONG MAINLINE TO 2' AT BACK OF RETURN.

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

RURAL SIDEROAD DESIGN STANDARDS (PPM 40-06)										
DESIGN ELEMENT	New Construction & 3R (Existing Width Less Than 20 ft)			3R (Existing Width 20 ft or Greater) & 3P			SMART & Contract Maintenance			
	min.	des.	max.	min.	des.	max.	min.	des.	max.	
SURFACE WIDTH (FT); (measured at end of radius or row line; greatest distance from edge of traveled way)	24	24	Coordinate with Geometrics Engineer	resurface existing configuration to completion of radius return or row line; greatest distance from edge of traveled way; major sideroads (> 400 adt) shall have "butt joints" constructed whether the entrance is hma or pcc; minor sideroads (< 400 adt) shall have "featheredge rundown" as shown in district cadd detail 406AAAAA			resurface existing configuration with the completion of a 10 ft. featheredge rundown for ALL sideroads as shown in district cadd detail 406AAAAA			
RADIUS (FT)	30	30								
SHOULDER WIDTH (FT)	4	8								10
SHOULDER SLOPE (%)	2	4								12
ENTRANCE GRADE (%)	1	1 to 4								4
BREAKOVER (%)	0	5								10
SIDE SLOPE	1:10	1:6								1:4
INTERSECTION ANGLE	60	75 to 90								
<b>SURFACE TYPE</b>										
INCIDENTAL HMA SURFACING (INCH)	4			taper from 2 1/4" to 1 1/2" or featheredge			taper from 1 1/2" to featheredge			
AGGREGATE BASE COURSE, TYPE A (INCH)	8	4		if applicable use item: 35800100 Preparation of Base						
PCC PAVEMENT (INCH)		8								

FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -
ct:\pw\work\PWIDOT\COOMBESSF\dms87296\070510-sht-details.dgn		DRAWN -	REVISED -
	PLOT SCALE = 40.0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/13/2010	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIDEROAD & SIDESTREETS**

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	52
CONTRACT NO. 70510				
ILLINOIS FED. AID PROJECT				

# ROAD CLOSURE DETOUR DETAIL

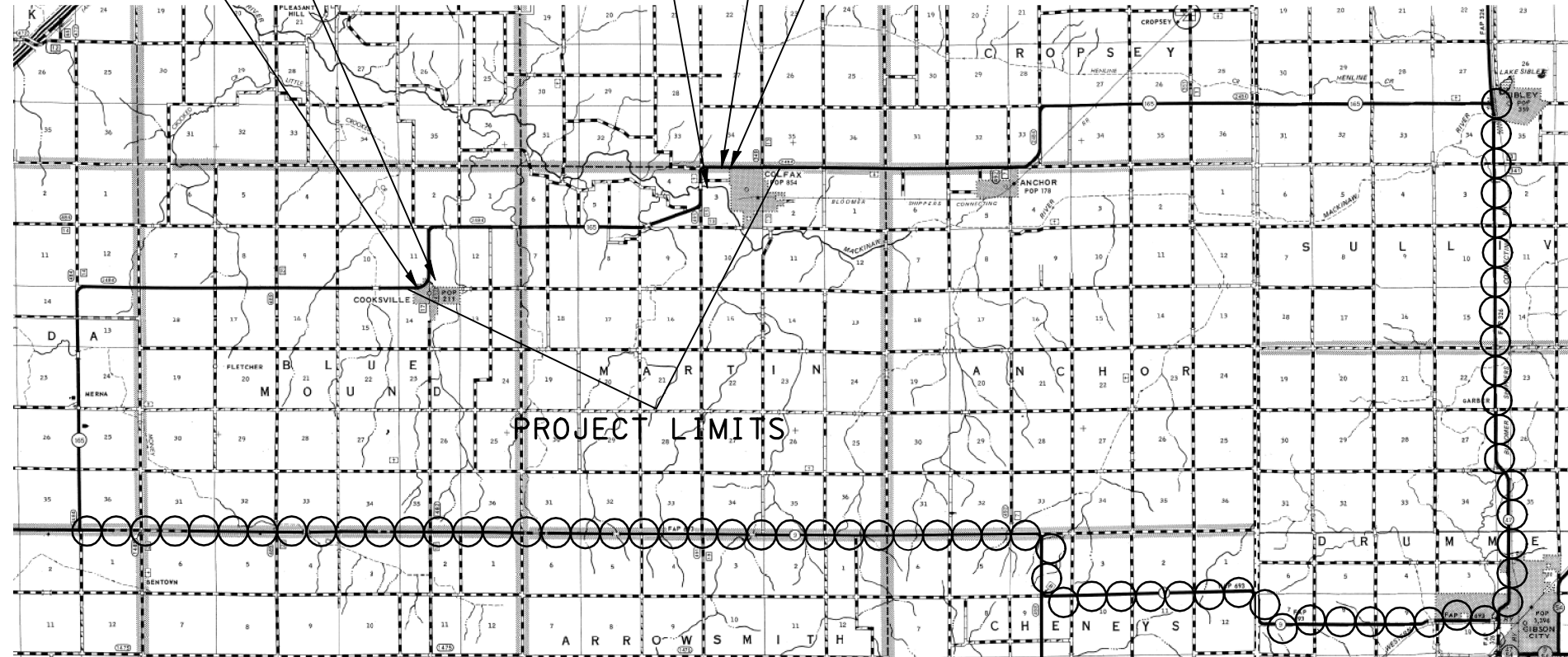
EXIST SN 057-8053  
STRUCTURE REPLACEMENT  
PROP SN 057-8218

EXIST SN 057-0110  
BEARING AND JOINT REPAIR

EXIST 4' X 6' RC BOX CULVERT  
CULVERT REPLACEMENT  
PROP 5' X 5' PC BOX CULVERT

EXIST SN 057-8052  
STRUCTURE REPLACEMENT  
PROP SN 057-8217

EXIST 4' X 6' RC BOX CULVERT  
CULVERT REPLACEMENT  
PROP 18" PIPE CULVERT



MARKED DETOUR ROUTE

**DETAIL NOTE:**

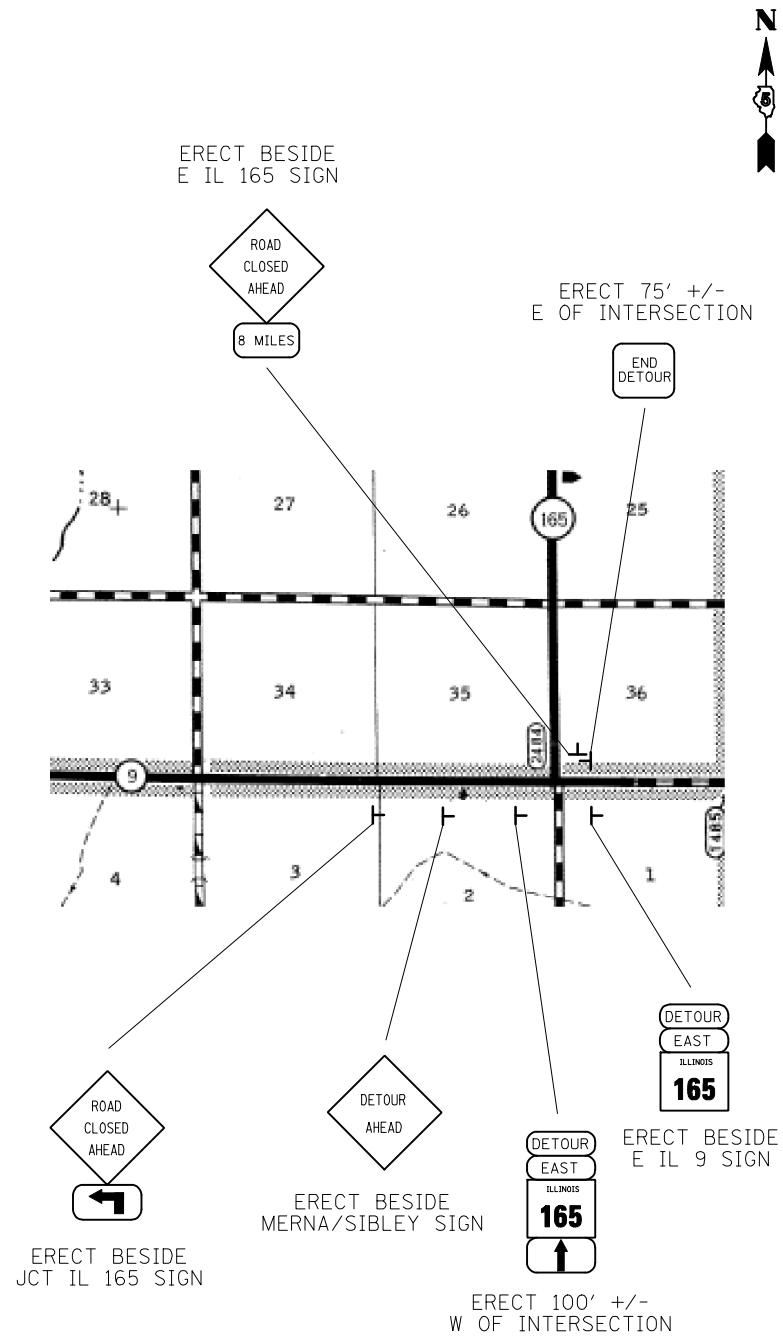
ALL DETOUR SIGN LOCATIONS ARE SUBJECT TO FIELD ADJUSTMENTS IN CASE OF CONFLICTS, ANY ADJUSTMENTS WILL BE COORDINATED BY THE ENGINEER, THE CONTRACTOR, AND THE BUREAU OF OPERATIONS TRAFFIC CONTROL SUPERVISOR PRIOR TO ROAD CLOSURE.

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

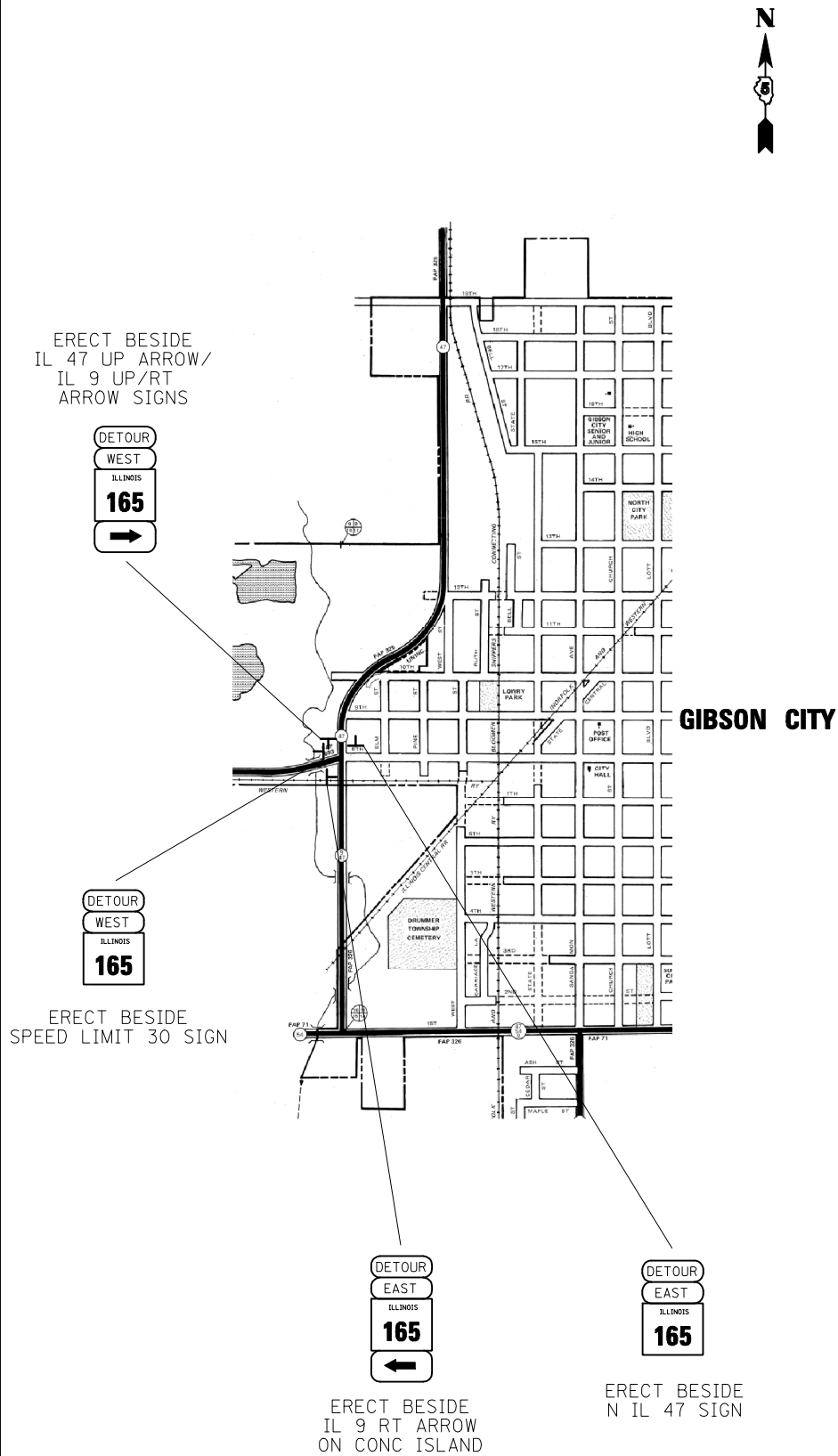
FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ROAD CLOSURE DETOUR DETAIL</b>				F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\PWIDOT\COOMBESSF\dms87296\070510-sht-details.dgn	70510-sht-details.dgn	DRAWN -	REVISED -		2484	(125,126,127)RS-2	MCLEAN	122	53				
PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -	REVISED -		CONTRACT NO. 70510								
PLOT DATE = 1/13/2010	DATE -	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT								
					SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.				

# ROAD CLOSURE DETOUR DETAIL

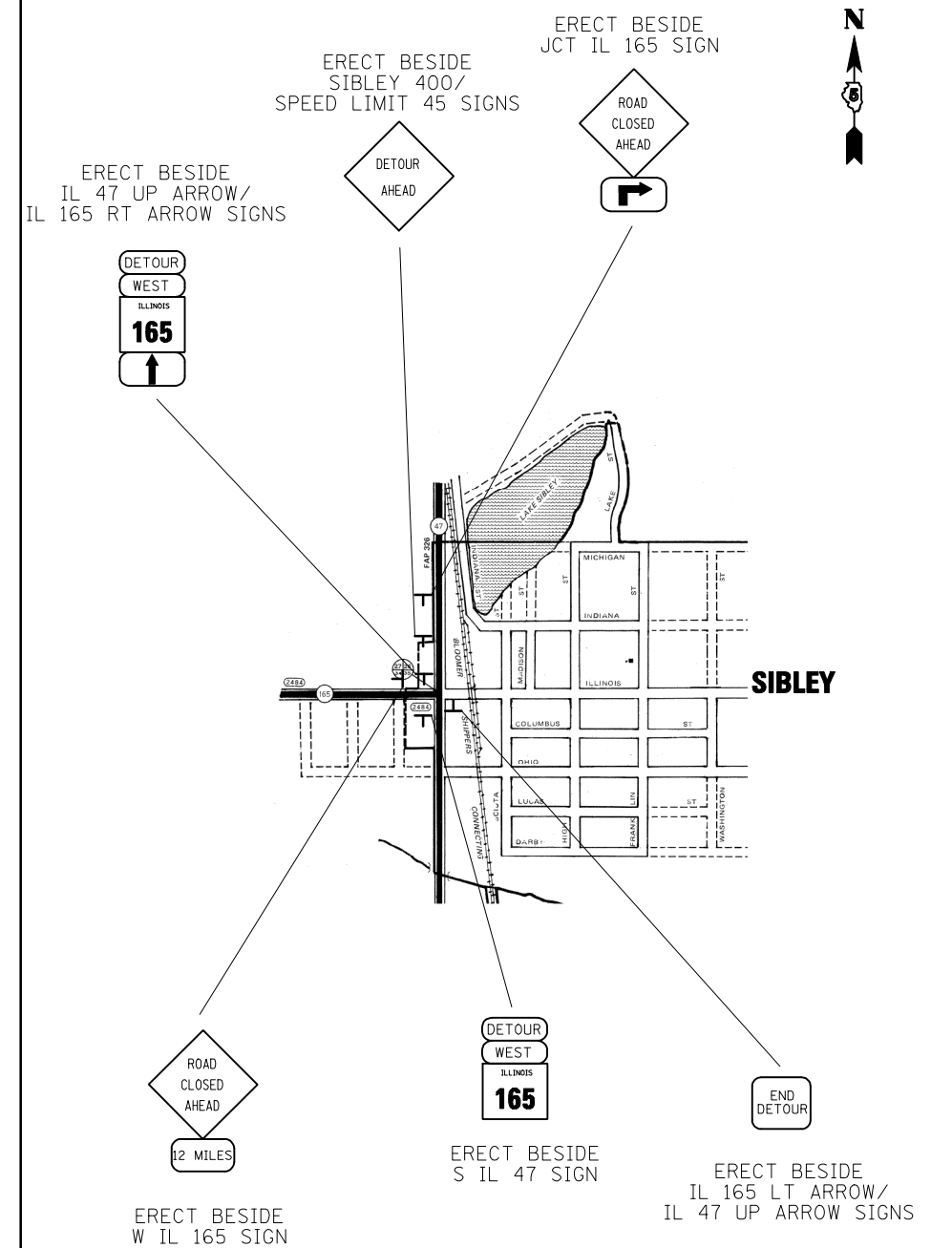
## IL 9 & IL 165 INTERSECTION



## IL 9 & IL 47 INTERSECTION



## IL 165 & IL 47 INTERSECTION



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

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PLOT DATE = 1/13/2010		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROAD CLOSURE DETOUR DETAIL

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	54
CONTRACT NO. 70510				
ILLINOIS FED. AID PROJECT				

# ROAD CLOSURE DETOUR DETAIL

IL 165 AT MERNA

IL 165 & 3050E INTERSECTION

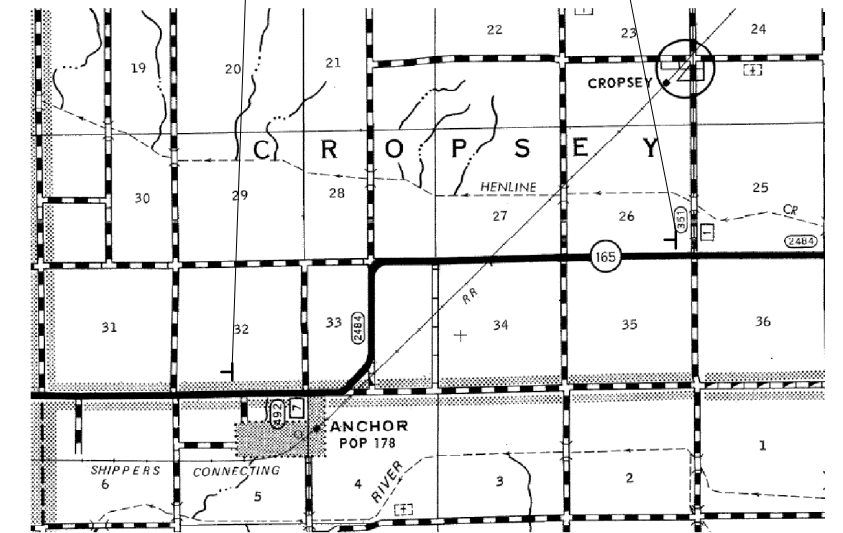
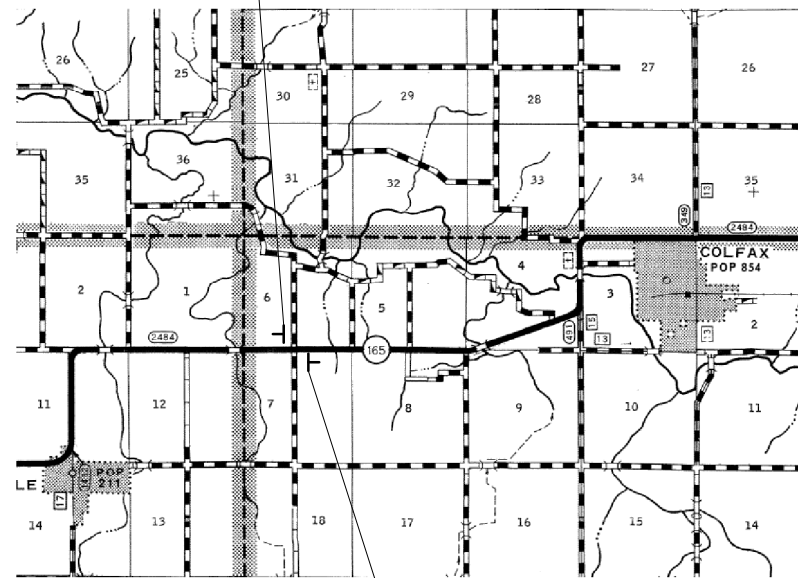
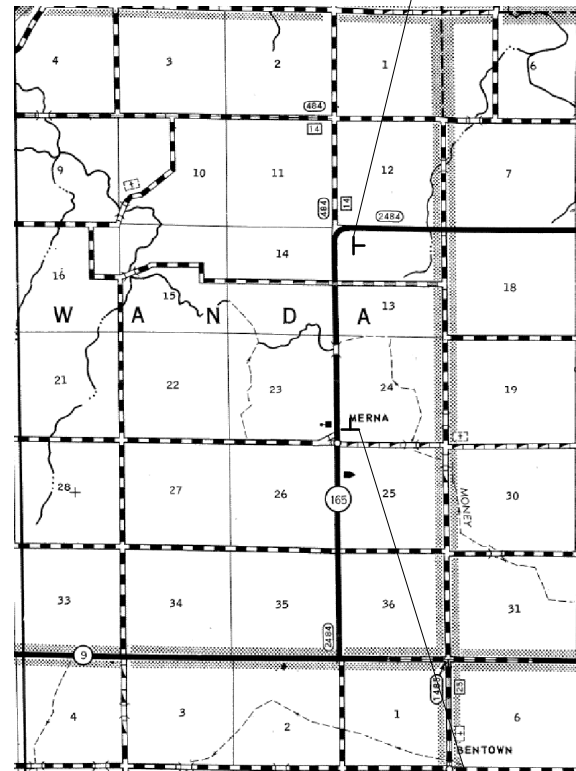
IL 165 AT ANCHOR

ERECT JUST PAST END  
OF CURVE, E OF CH 14

ERECT 50' +/-  
W OF RD 3050E

ERECT 100' +/-  
W OF RD 3750E

ERECT BESIDE  
W IL 165 SIGN



ERECT BESIDE  
SPEED LIMIT 55 SIGN

ERECT 75' +/-  
E OF RD 3050E

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

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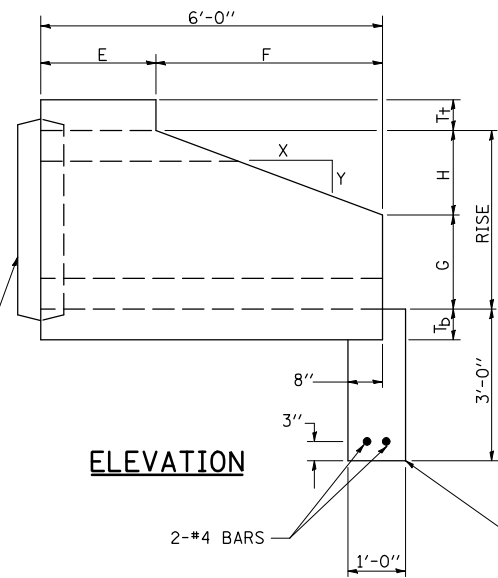
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

ROAD CLOSURE DETOUR DETAIL

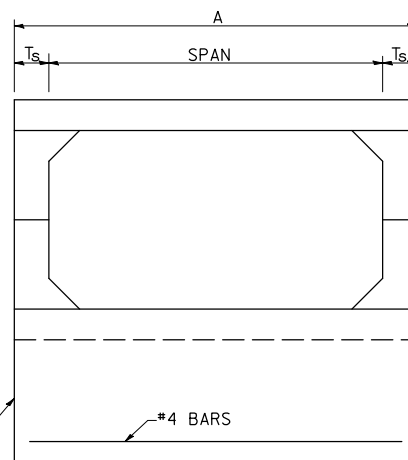
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	55
CONTRACT NO. 70510				
ILLINOIS FED. AID PROJECT				

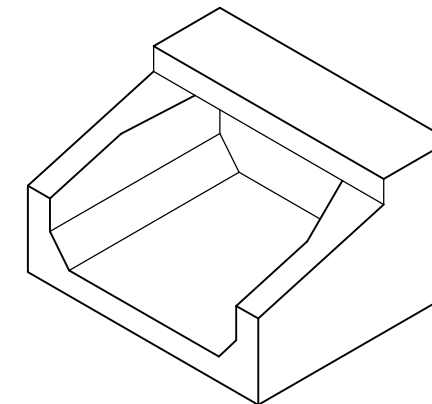
# PRECAST CONCRETE BOX CULVERT END SECTION



**ELEVATION**

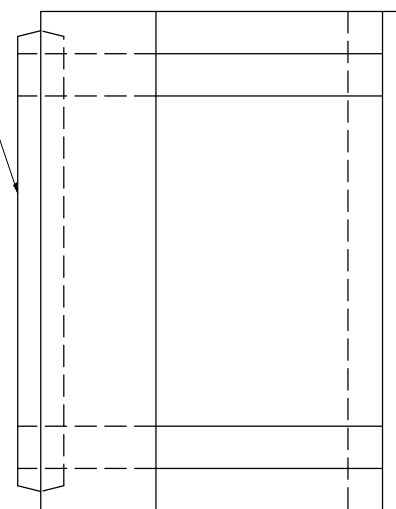


**END VIEW**

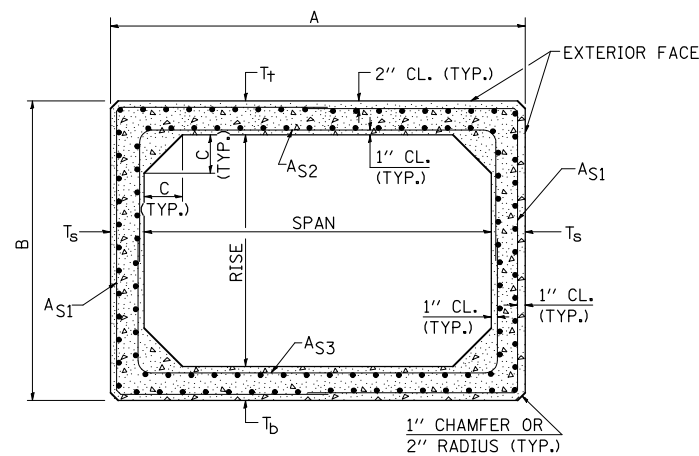


**ISOMETRIC**

END CONNECTION TO FIT PRECAST BOX CULVERT (BELL OR SPIGOT MAY BE OMITTED WHEN COLLARING TO AN EXISTING BOX OR HEADWALL.)



**PLAN**



**CROSS SECTION**

## GENERAL NOTES

SHOP DRAWINGS SHALL BE SUBMITTED IN ACCORDANCE WITH THE REQUIREMENTS OF ARTICLE 1042.03(b) OF THE STANDARD SPECIFICATIONS.

MINIMUM CONCRETE STRENGTH SHALL BE 5000 PSI AFTER 28 DAYS.

THE JOINTS OF THE PRECAST BOX SECTIONS SHALL BE SEALED WITH MASTIC IN ACCORDANCE WITH SECTION 1055 OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

THE TERMS AS1, AS2, & AS3 DENOTE THE REQUIRED STEEL AREAS FOR REINFORCEMENT AS SPECIFIED IN AASHTO M273. REINFORCEMENT SHALL BE WELDED WIRE FABRIC CONFORMING TO AASHTO M55-81.

## DIMENSIONS

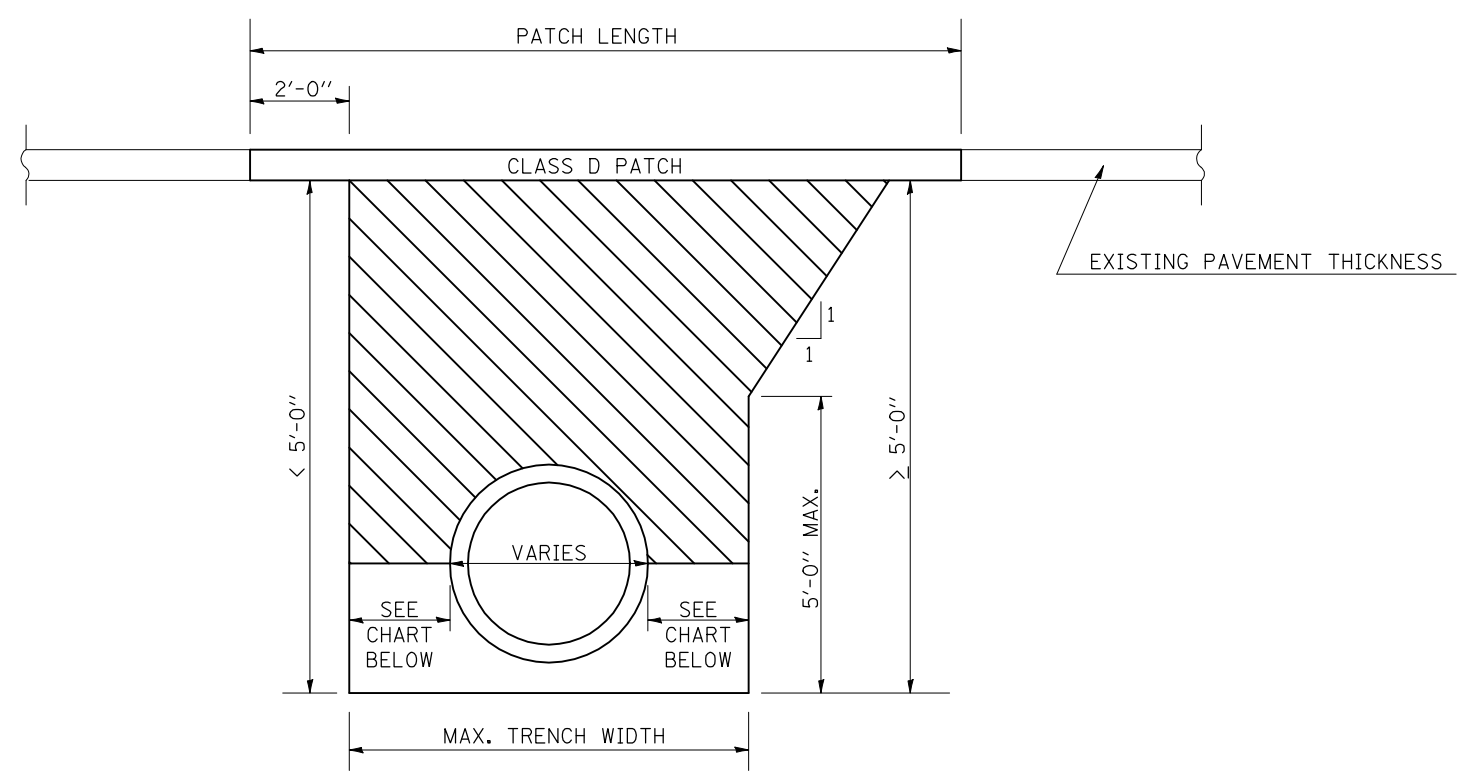
SPAN X RISE	T <sub>t</sub> (INCHES)	T <sub>b</sub> (INCHES)	T <sub>s</sub> (INCHES)	A (FT.-IN.)	B (FT.-IN.)	C (INCHES)	E (FT.-IN.)	F (FT.-IN.)	G (FT.-IN.)	H (FT.-IN.)	SLOPE (X:Y)
6' X 2'	8	7	7	7-2	3-3	7	3-0	3-0	1-0	1-0	3:1
6' X 3'	8	7	7	7-2	4-3	7	3-0	3-0	2-0	1-0	3:1

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

FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>BOX CULVERT END SECTION (M273)</b>	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pw\work\PWIDOT\COOMBESSF\dms87296\0770510-sht-details.dgn	DRAWN - JDC	REVISED -	2484			(125,126,127)RS-2	MCLEAN	122	56		
PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 70510								
PLOT DATE = 1/13/2010	DATE - 12/29/08	REVISED -	ILLINOIS FED. AID PROJECT								
SCALE:						SHEET NO.	OF SHEETS	STA.	TO STA.		



## ACROSS ROAD PIPE CULVERTS

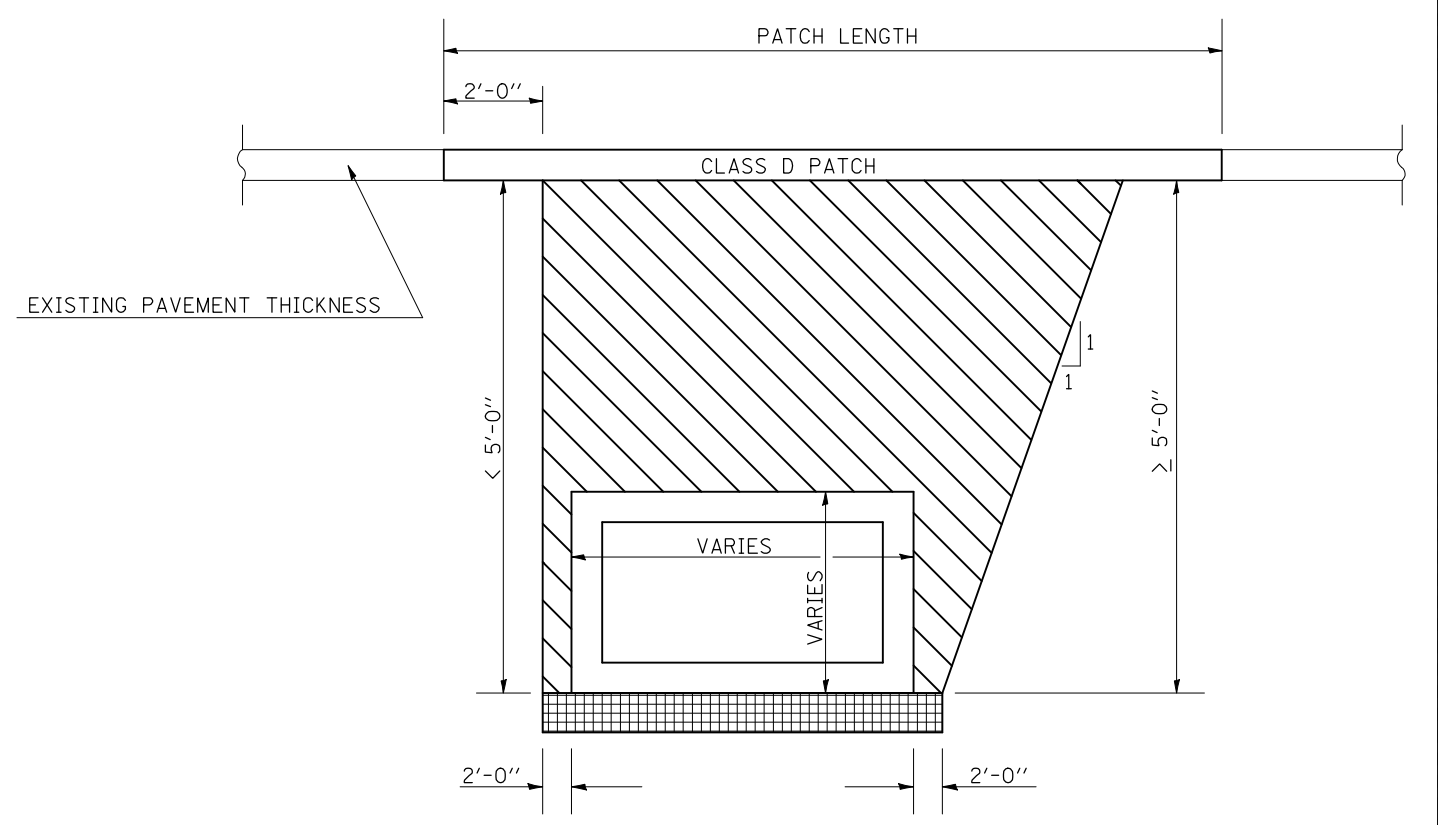


 PAY LIMITS OF POROUS GRANULAR BACKFILL - CA-6

POROUS GRANULAR BACKFILL SHALL EXTEND 5'-0" OUTSIDE OF THE EDGE OF SHOULDER.

INSIDE DIA. OF PIPE	MAX. TRENCH WIDTH
UP TO 24"	9" + OD + 9"
27" TO 48"	12" + OD + 12"
OVER 48"	18" + OD + 18"

## ACROSS ROAD BOX CULVERTS



 PAY LIMITS OF POROUS GRANULAR EMBANKMENT - CA-6

 POROUS GRANULAR MATERIAL - CA 7 (6") INCLUDED IN PAY ITEM FOR BOX CULVERT

\* POROUS GRANULAR EMBANKMENT SHALL EXTEND 5'-0" OUTSIDE OF THE EDGE OF SHOULDER.

\* ADDITIONAL UNDERCUT MAY BE SPECIFIED AT SOME BOX CULVERTS

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

### DISTRICT 5 DETAIL NO. 20900110

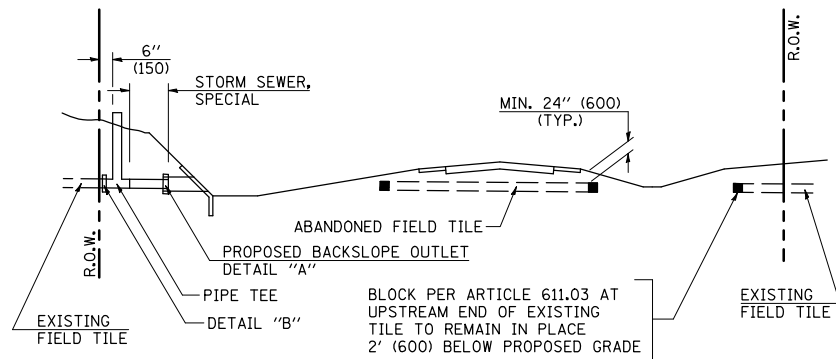
FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED - 07/09 KJT
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	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/13/2010	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**POROUS GRANULAR BACKFILL**

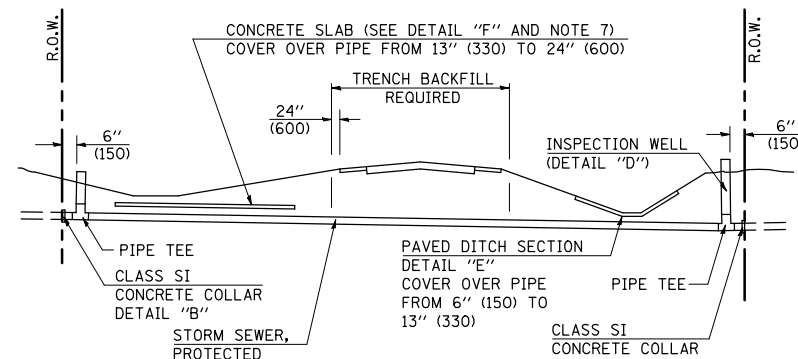
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	57
CONTRACT NO. 70510				
ILLINOIS FED. AID PROJECT				



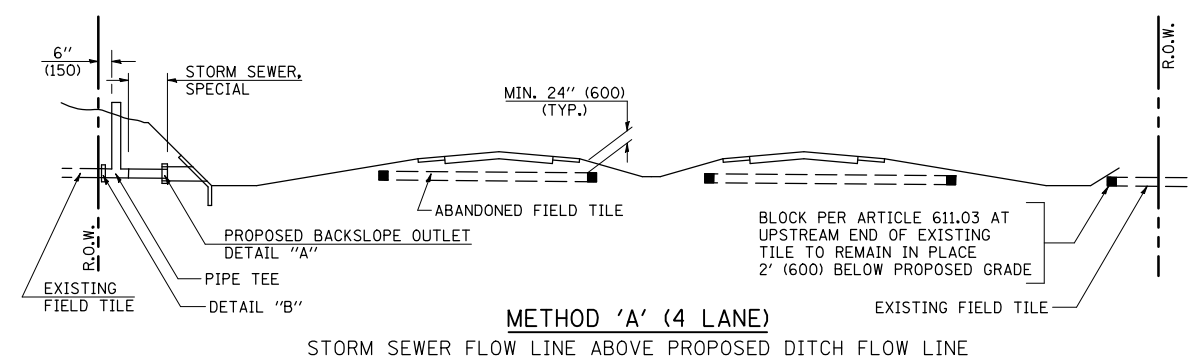
**METHOD 'A' (2 LANE)**

STORM SEWER FLOW LINE ABOVE PROPOSED DITCH FLOW LINE



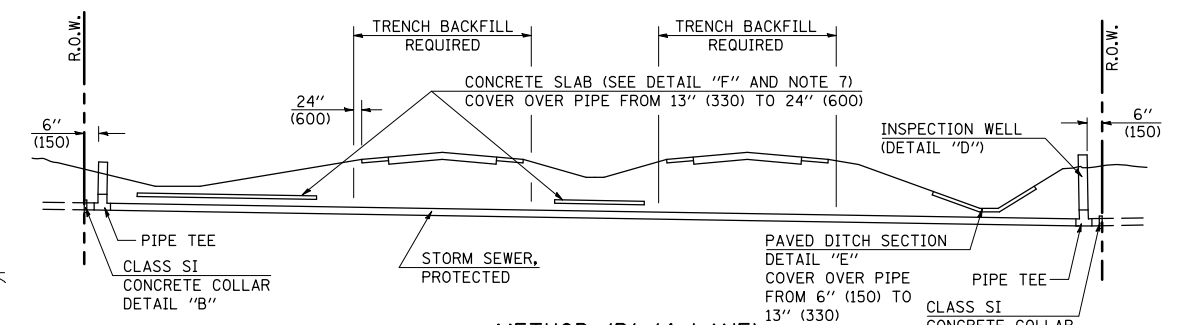
**METHOD 'B' (2 LANE)**

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



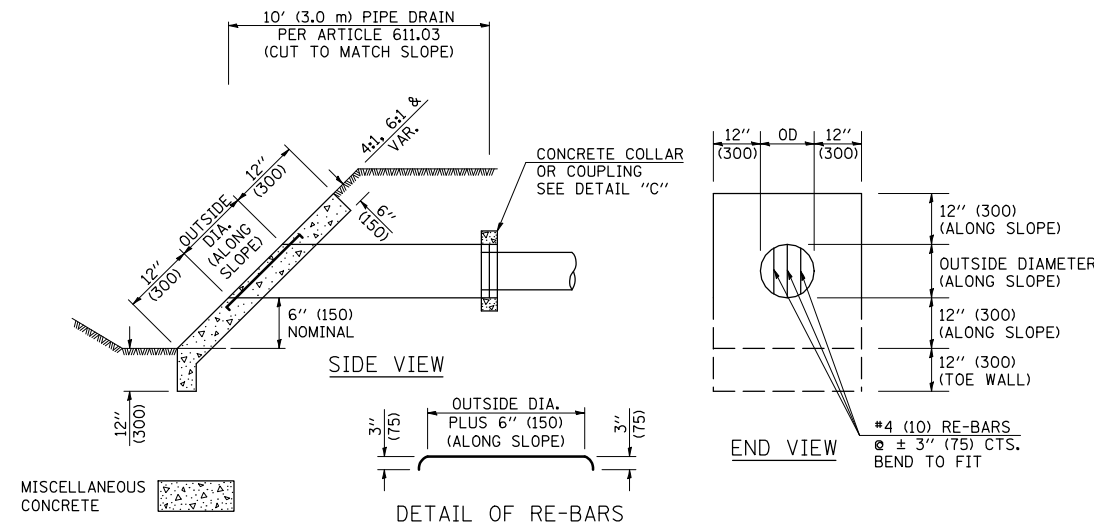
**METHOD 'A' (4 LANE)**

STORM SEWER FLOW LINE ABOVE PROPOSED DITCH FLOW LINE

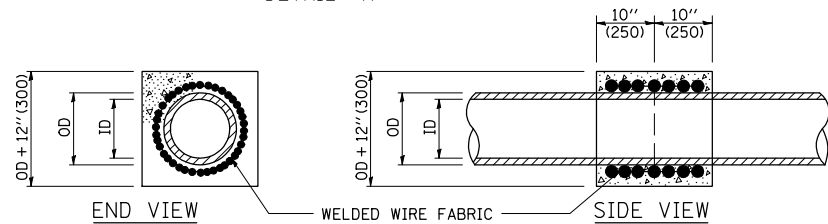


**METHOD 'B' (4 LANE)**

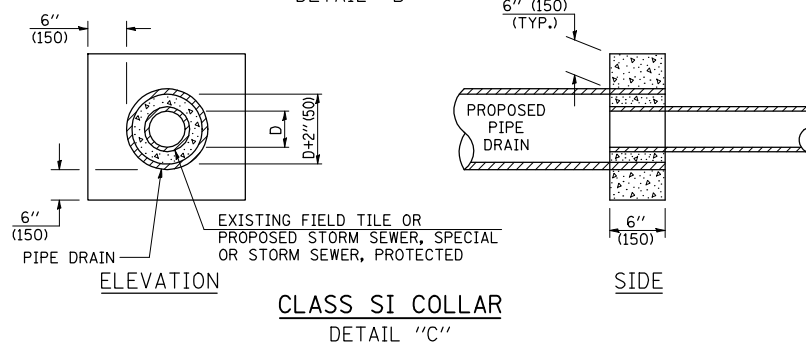
STORM SEWER LESS THAN 2' (600 mm) BELOW DITCH FLOW LINE AND STORM SEWERS CROSSING UNDER PAVEMENTS AND PAVED DITCHES



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



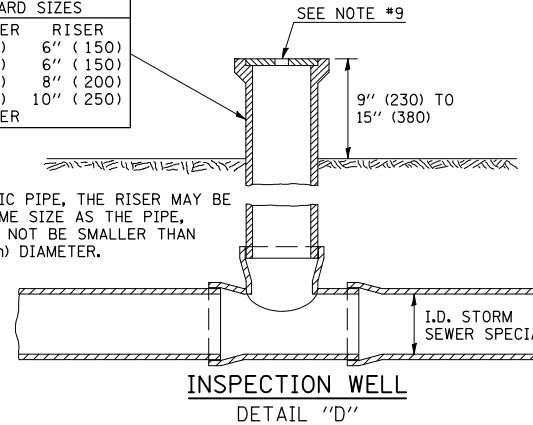
**CONCRETE COLLAR**  
DETAIL "B"



**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	

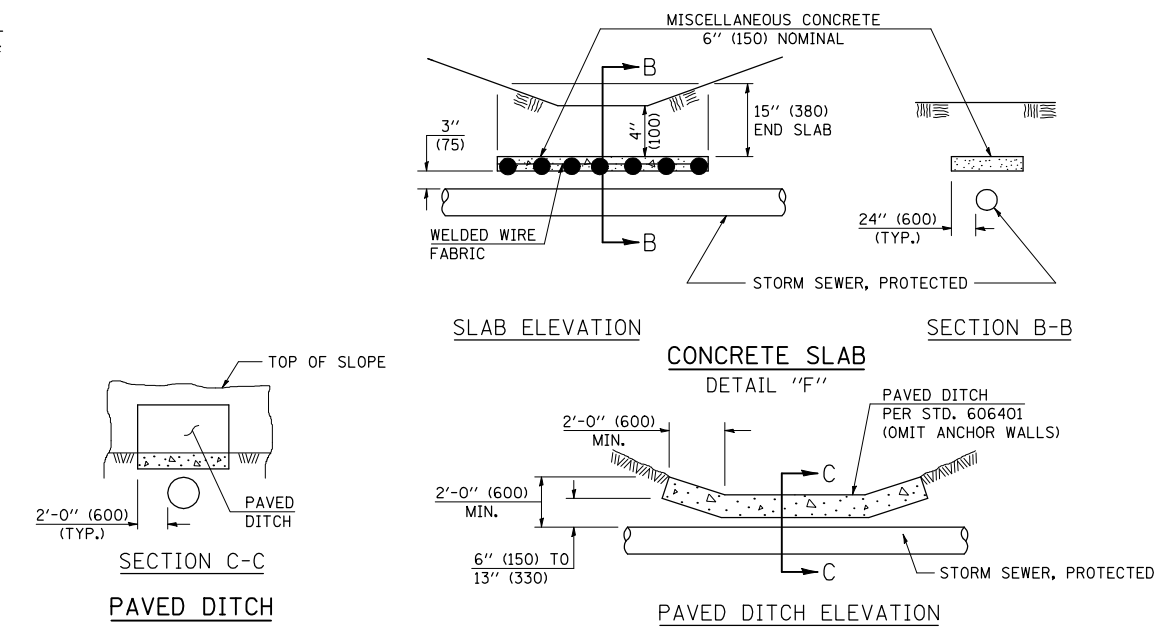
FOR PLASTIC PIPE, THE RISER MAY BE OF THE SAME SIZE AS THE PIPE, BUT SHALL NOT BE SMALLER THAN 4" (100 mm) DIAMETER.



**INSPECTION WELL**  
DETAIL "D"

**GENERAL NOTES**

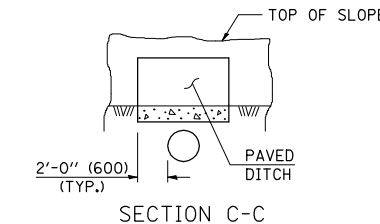
- EXISTING FIELD TILE ENCOUNTERED BY EXPLORATION TRENCH SHALL BE INSPECTED BY THE ENGINEER FOR UNOBSTRUCTED FLOW WITHIN THE LIMITS OF THE RIGHT-OF-WAY.
- ONLY FIELD TILE THAT DOES NOT HAVE SATISFACTORY FLOW AND OR HAS VISIBLE SIGNS OF DETERIORATION (SINK HOLES, ETC.) SHALL BE REPLACED WITHIN THE LIMITS 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.



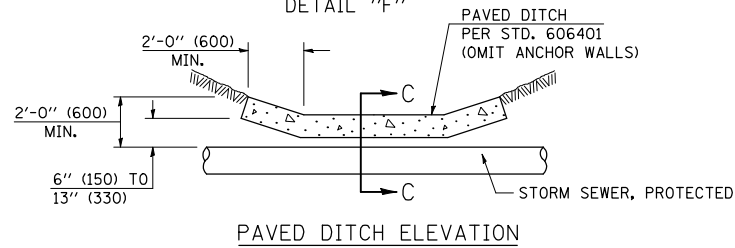
**SLAB ELEVATION**

**CONCRETE SLAB**  
DETAIL "F"

**SECTION B-B**



**SECTION C-C**  
**PAVED DITCH**  
DETAIL "E"



**PAVED DITCH ELEVATION**

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

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et:\pw\work\PWID01\COOMBESSF\dms87296\070510-sht-details.dgn		DRAWN -	REVISED -
		CHECKED -	REVISED -
		DATE -	REVISED -

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

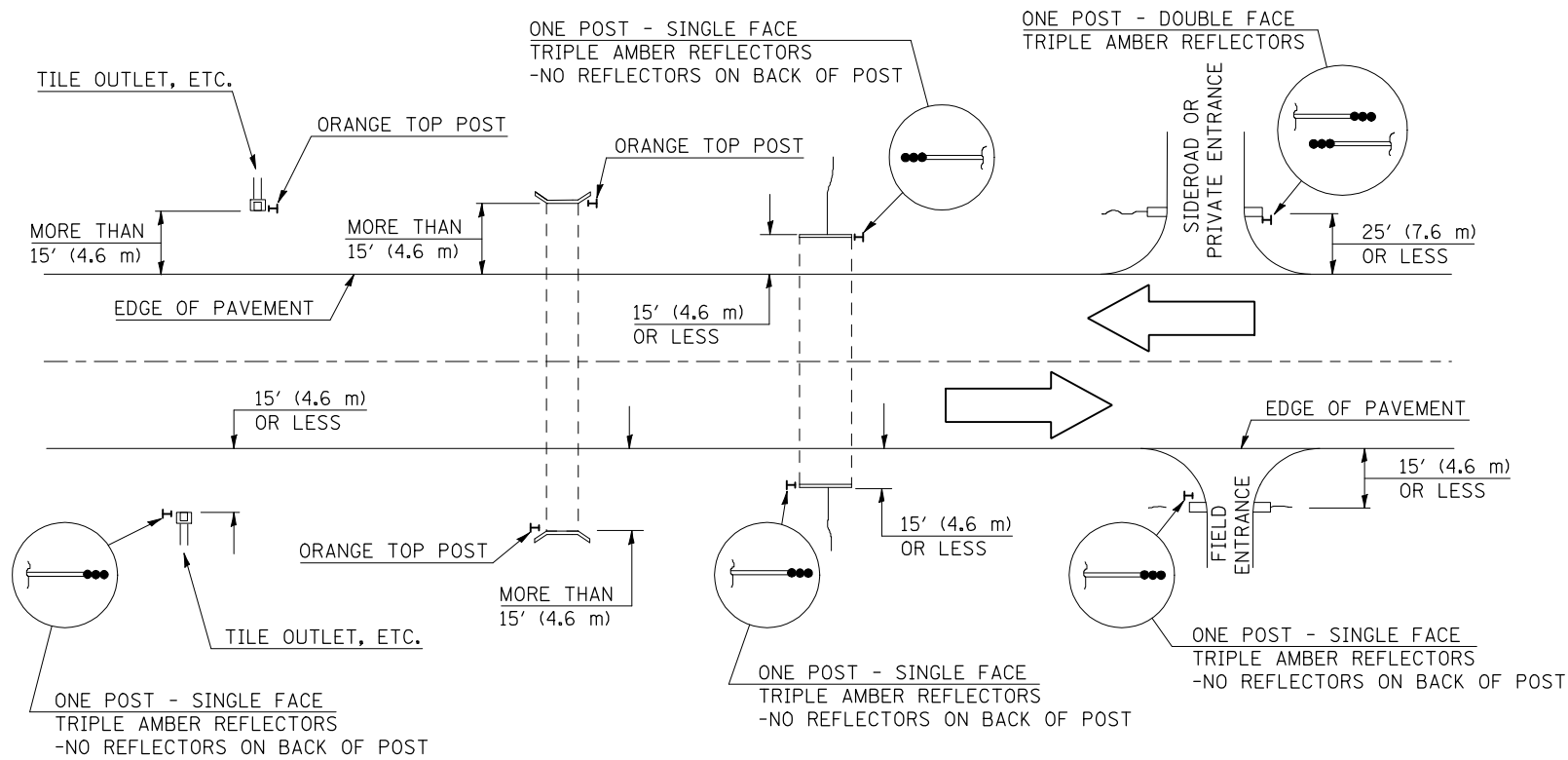
**FIELD TILE SYSTEMS (TREATMENT OF EXISTING)**

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.
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**DISTRICT 5 DETAIL NO. 61101011A**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	58
CONTRACT NO. 70510				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

IDENTIFICATION OF ROADSIDE HAZARDS FOR TWO-LANE ROADWAYS



BILL OF MATERIALS

DELINEATOR TYPE	SINGLE FACE	DOUBLE FACE	NO REFLECTOR	TOTAL DELINEATORS
SINGLE CRYSTAL		N/A	N/A	
DOUBLE CRYSTAL			N/A	
SINGLE AMBER			N/A	
DOUBLE AMBER		N/A	N/A	
TRIPLE AMBER			N/A	
ORANGE TOP	N/A	N/A		
			TOTAL	

NOTES

DELINEATORS FOR ROADSIDE HAZARDS SHALL ONLY BE PLACED AT LOCATIONS WHERE THERE IS NO GUARDRAIL, OR OTHER PERMANENT BARRIER, ON THE SAME SIDE OF ROAD AS THE HAZARD.

DELINEATORS FOR ROADSIDE HAZARDS SHALL ONLY BE PLACED AT LOCATIONS WHERE DELINEATORS ARE NOT IN PLACE ALONG THE EDGE OF SHOULDER.

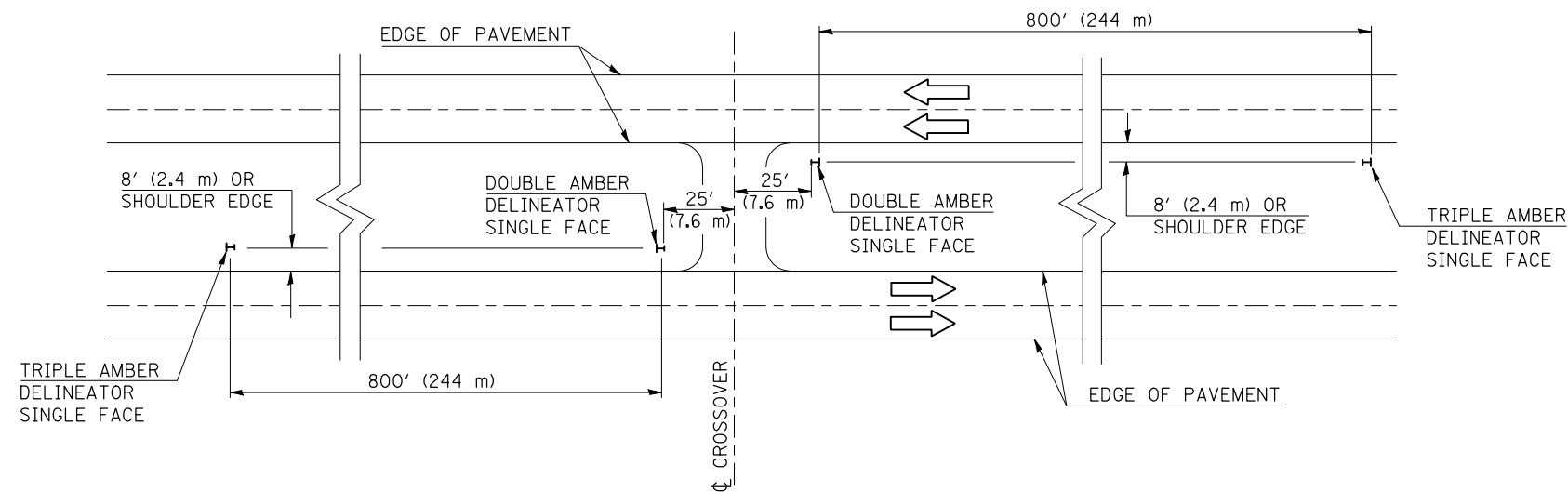
EACH POST SHALL BE CONSIDERED AS ONE DELINEATOR FOR PAYMENT, REGARDLESS OF THE NUMBER OF DELINEATORS ATTACHED TO IT.

POSTS INDICATED AS "ORANGE TOP" SHALL HAVE NO REFLECTORS. THEY SHALL HAVE THE TOP 12" (300 mm) (MINIMUM) OF THE POST PAINTED A BRIGHT ORANGE COLOR SIMILAR TO CONSTRUCTION SIGNS, AND SHALL MEET THE APPROVAL OF THE ENGINEER. FLUORESCENT PAINT OR OTHER SPECIAL RETROREFLECTIVE COATINGS WILL NOT BE REQUIRED.

FOR ONE-WAY ROADWAYS THE APPLICATION SHALL BE SIMILAR WITH DELINEATORS PLACED ON THE TRAFFIC APPROACH SIDE OF HAZARDS AND OBJECTS. ONLY SINGLE FACE DELINEATORS WILL BE REQUIRED ON ONE-WAY ROADWAYS.

FOR OTHER DELINEATOR APPLICATIONS, REFER TO HIGHWAY STANDARD 635001.

MEDIAN DELINEATORS AT CROSSOVER  
(FOR INTERSTATES, EXPRESSWAYS, DUAL HIGHWAYS)



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

DISTRICT 5 DETAIL NO. 63500105

FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED - 12/06
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	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/13/2010	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

DELINEATORS

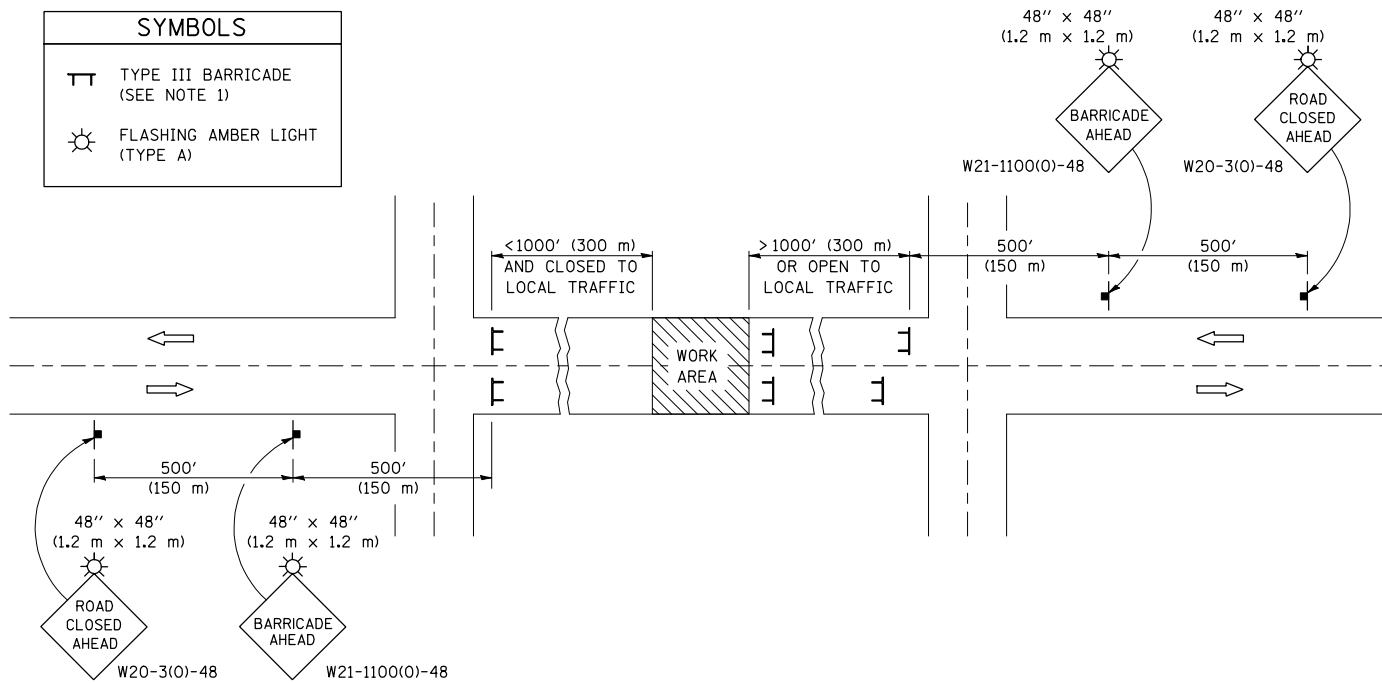
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	59
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 70510	

# ROAD CLOSURE

# SIDEROAD / STREET CLOSURE

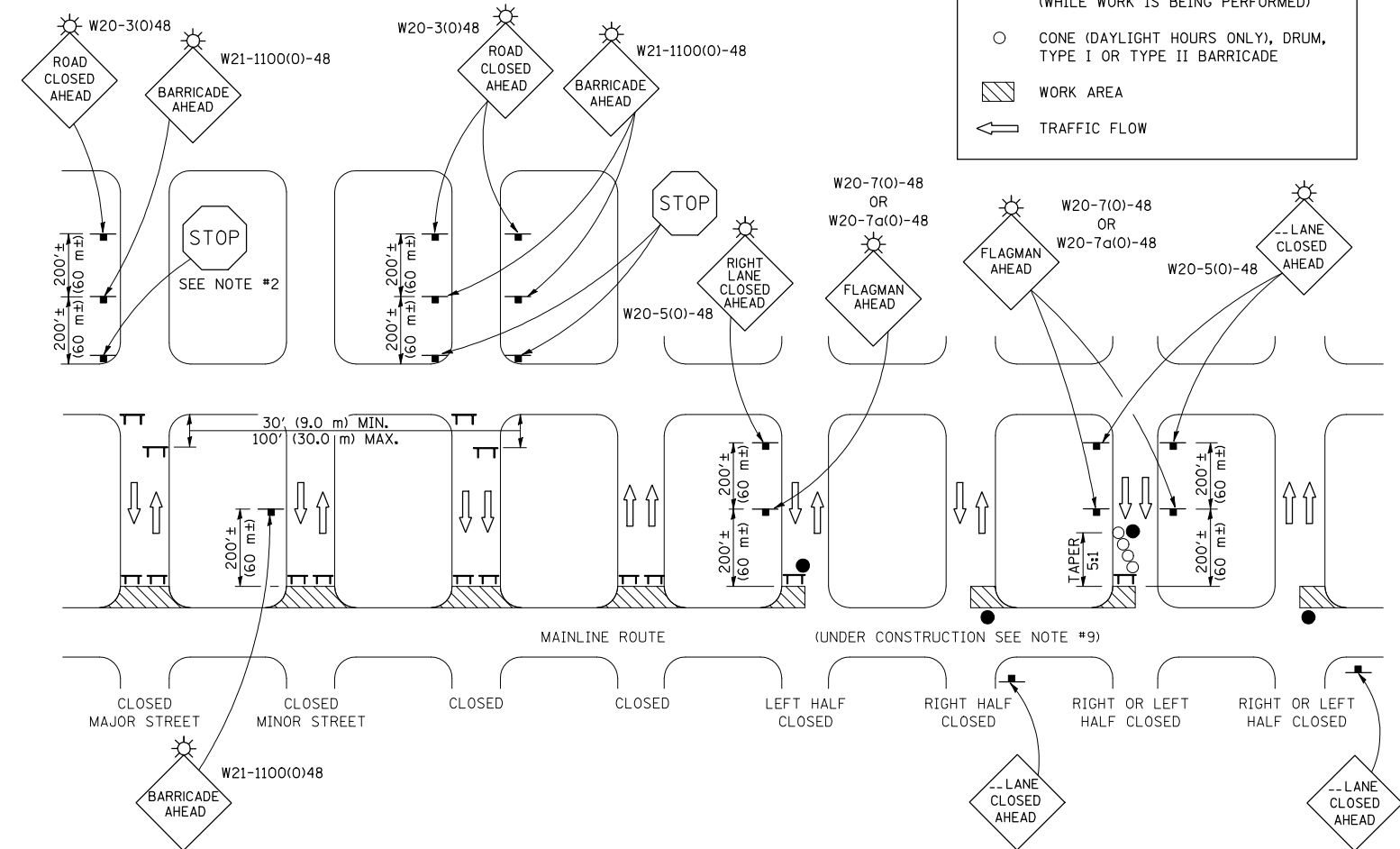
SYMBOLS	
	TYPE III BARRICADE (SEE NOTE 1)
	FLASHING AMBER LIGHT (TYPE A)



### 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)
	CONES (DAYLIGHT HOURS ONLY), DRUM, TYPE I OR TYPE II BARRICADE
	WORK AREA
	TRAFFIC FLOW



### GENERAL NOTES

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

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

FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED - 11/06
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	PLOT DATE = 1/13/2010	DATE -	REVISED -

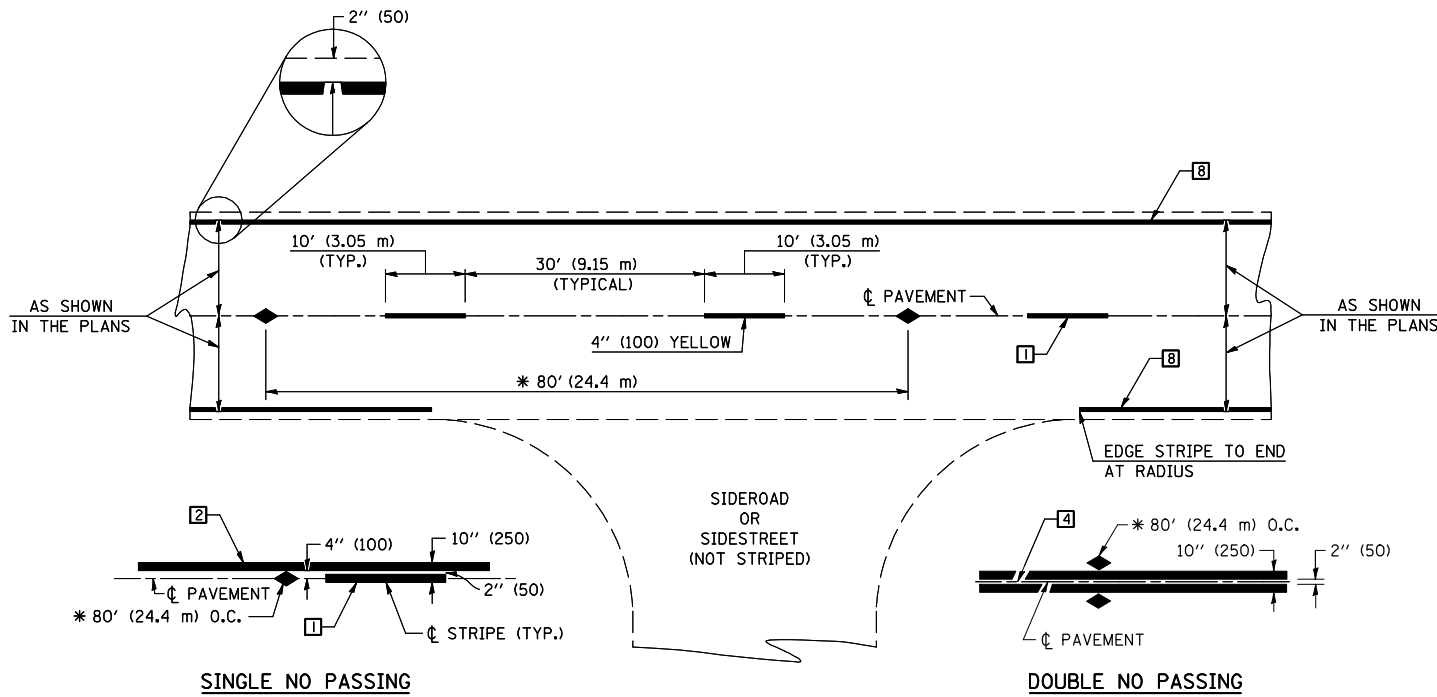
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

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

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

DISTRICT 5 DETAIL NO. 7020000

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	60
CONTRACT NO. 70510				
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**

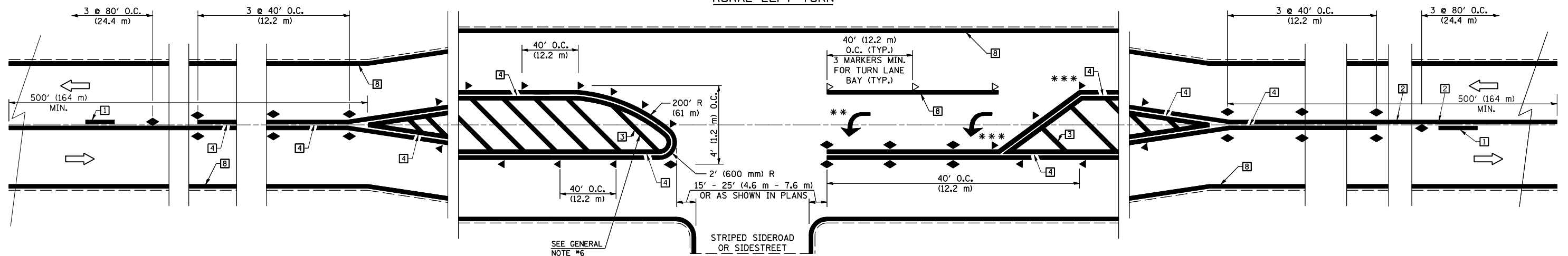
**TYPICAL PAVEMENT MARKING LEGEND**

- 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**

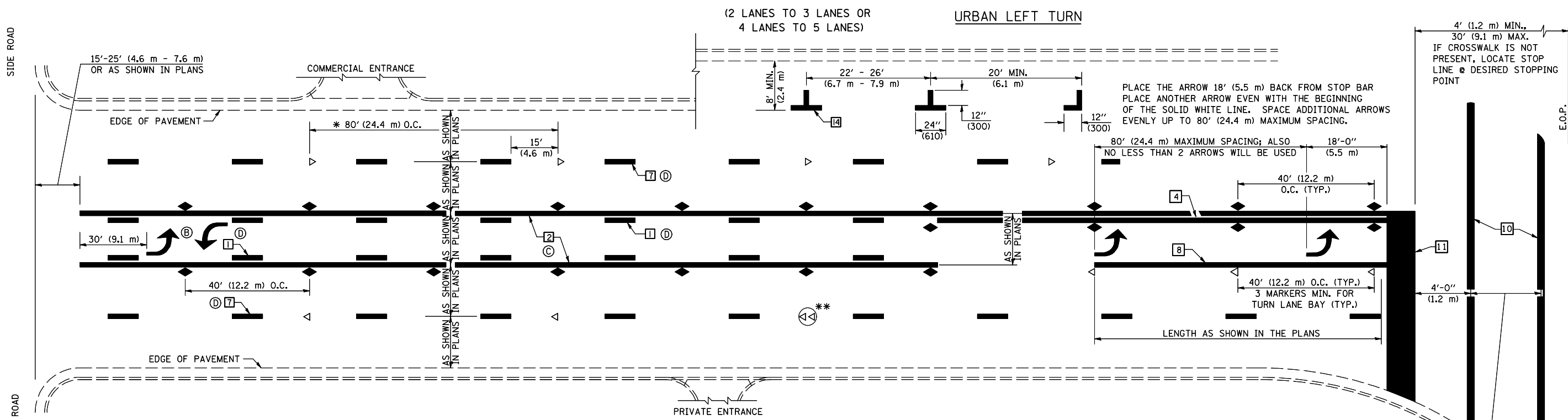
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	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/13/2010	DATE -	REVISED -

**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.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	61
CONTRACT NO. 70510				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

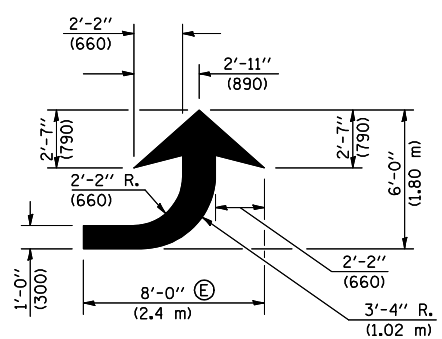


\* REDUCE TO 40 FEET (12.2 METERS) ON CENTER ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

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

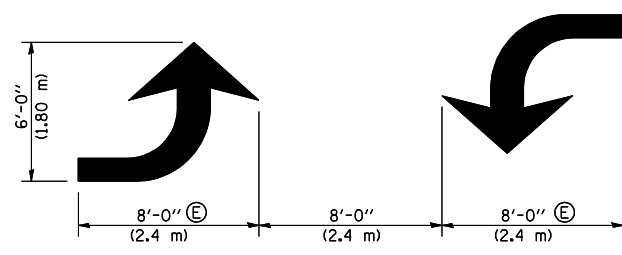
**GENERAL NOTES:**

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



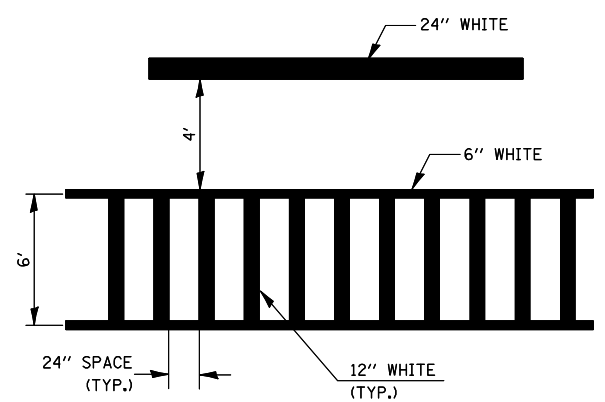
**LEFT ARROW**

REVERSE FOR RIGHT ARROW  
AREA = 15.6 SQ. FT. (1.47 m<sup>2</sup>)  
(WHITE)

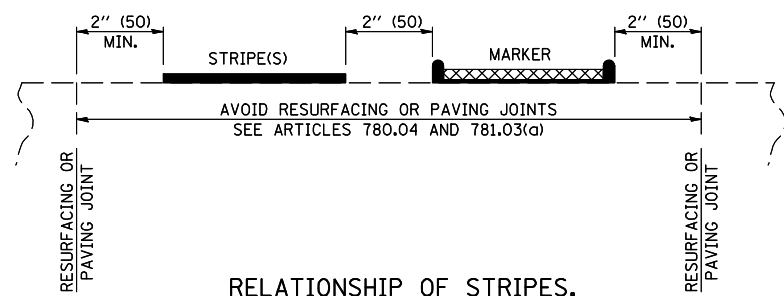


**TYPICAL DOUBLE TURN ARROWS (WHITE)**

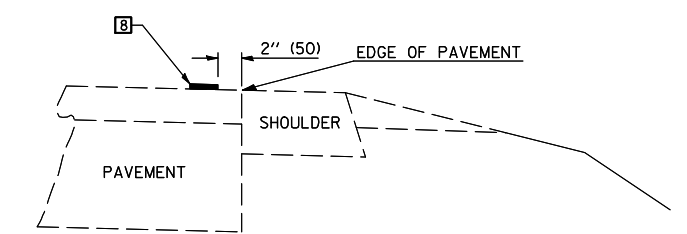
**BLOOMINGTON-NORMAL CITY LIMITS ONLY**



**TYPICAL SPACING FOR CROSSWALKS & STOP BARS**



**RELATIONSHIP OF STRIPES, MARKERS AND JOINTS**



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

CROSSWALK WIDTH 6'-0" (1.8 m) OR AS SHOWN IN THE PLANS

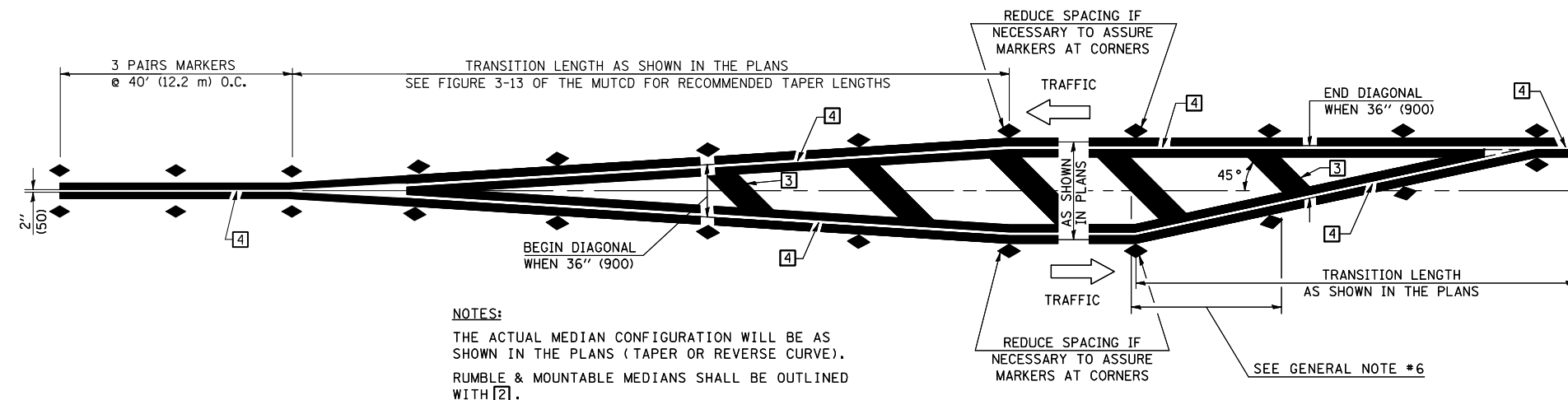
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED - 11/06
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	PLOT DATE = 1/13/2010	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PAVEMENT MARKING AND MARKERS (RURAL &amp; URBAN APPLICATIONS)</b>			
SCALE:	SHEET NO. 2 OF 4 SHEETS	STA.	TO STA.

<b>DISTRICT 5 DETAIL NO. 7800AAA</b>			
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS
2484	(125,126,127)RS-2	MCLEAN	122
			SHEET NO. 62
CONTRACT NO. 70510			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

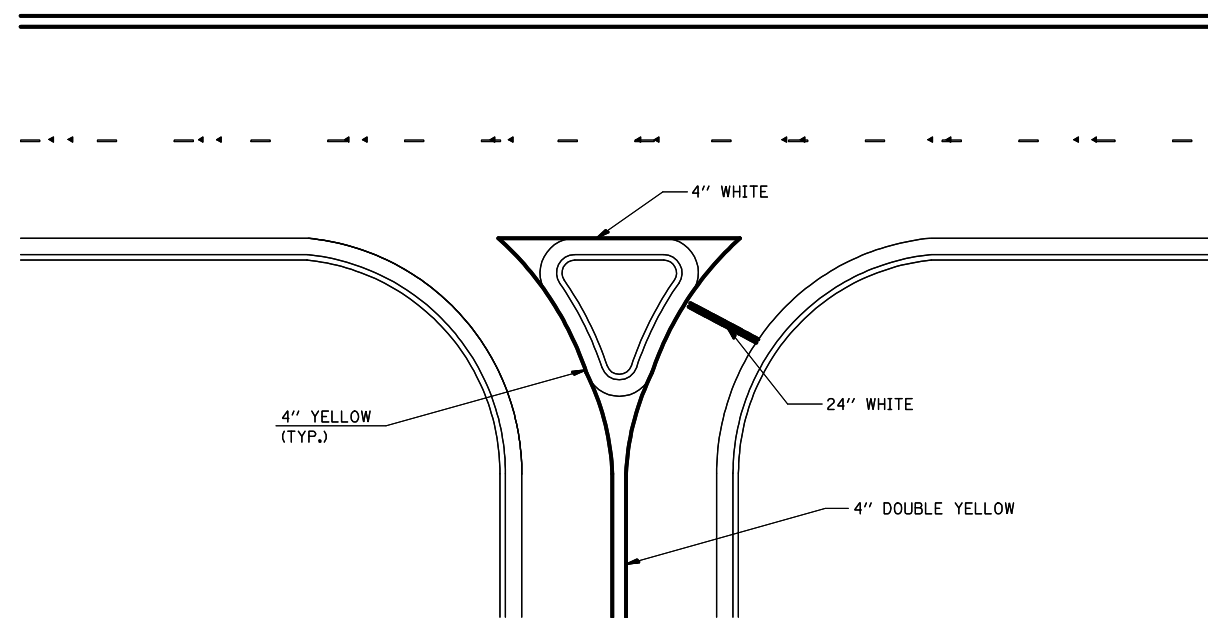


**NOTES:**  
 THE ACTUAL MEDIAN CONFIGURATION WILL BE AS SHOWN IN THE PLANS (TAPER OR REVERSE CURVE).  
 RUMBLE & MOUNTABLE MEDIANS SHALL BE OUTLINED WITH [2].

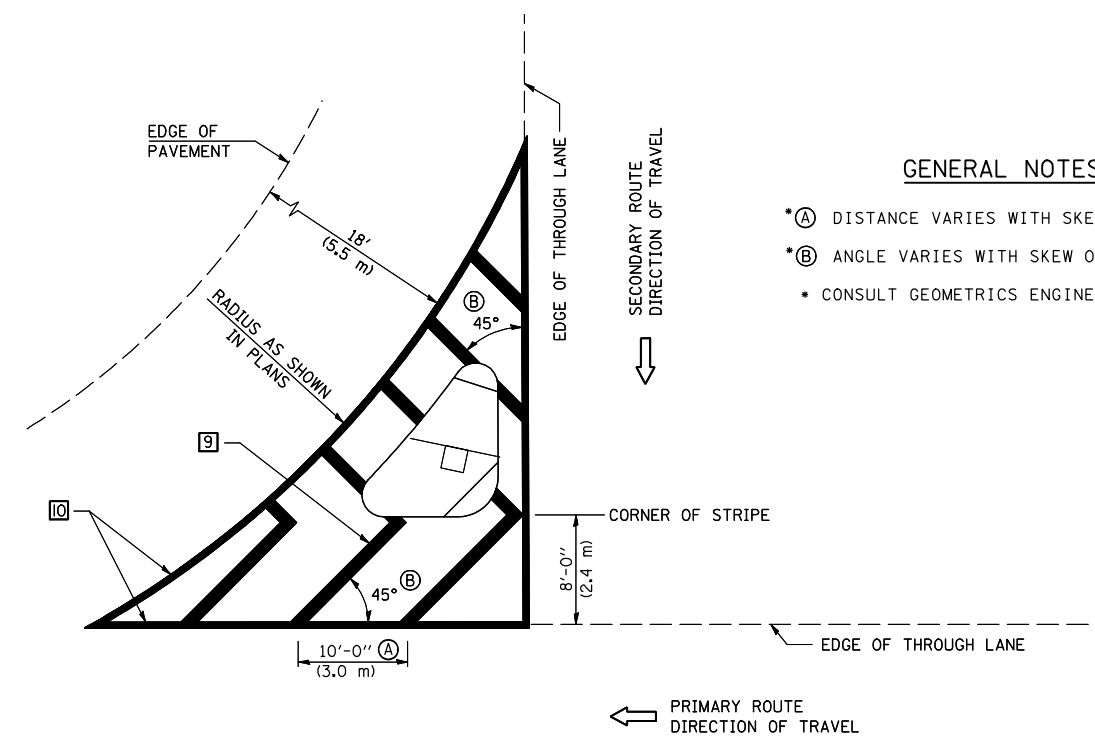
**TYPICAL MEDIAN TRANSITIONS**

**GENERAL NOTES**

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



**RIGHT IN - RIGHT OUT ACCESS**



**ISLAND**

**GENERAL NOTES**

- \*A DISTANCE VARIES WITH SKEW OF INTERSECTION.
- \*B ANGLE VARIES WITH SKEW OF INTERSECTION.
- CONSULT GEOMETRICS ENGINEER

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

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	PLOT DATE = 1/13/2010	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

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

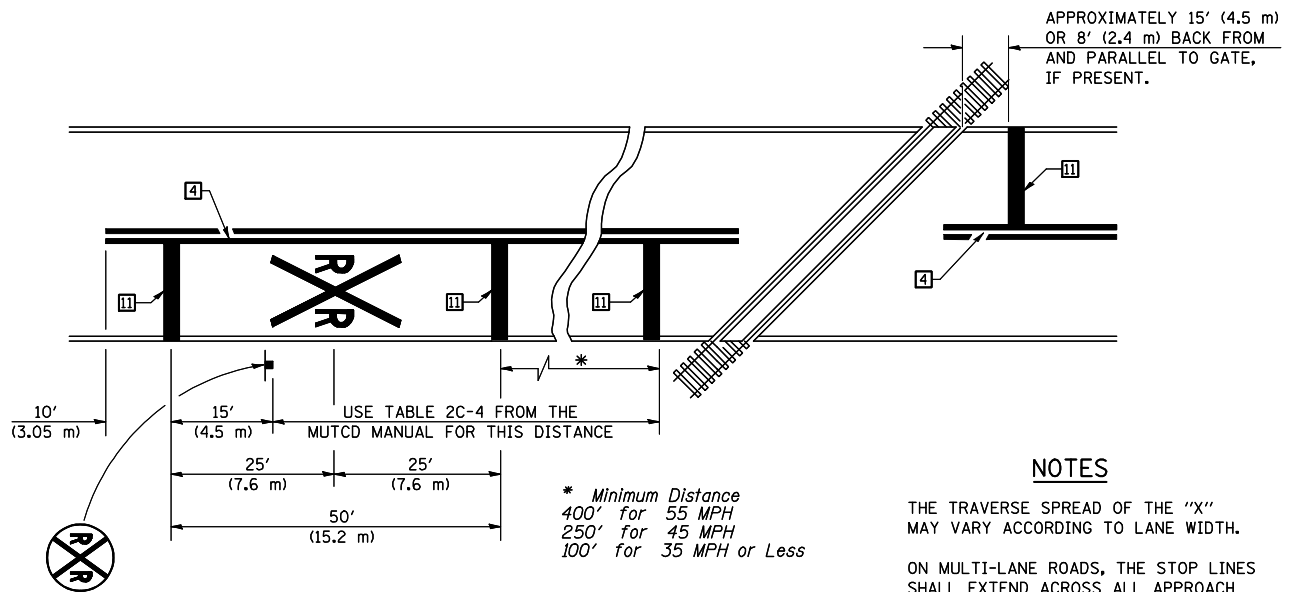
SCALE: SHEET NO. 3 OF 4 SHEETS STA. TO STA.

**DISTRICT 5 DETAIL NO. 7800AAA**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	63
CONTRACT NO. 70510				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

RAILROAD CROSSING WITH INTERCONNECT ONLY

RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

NOTES

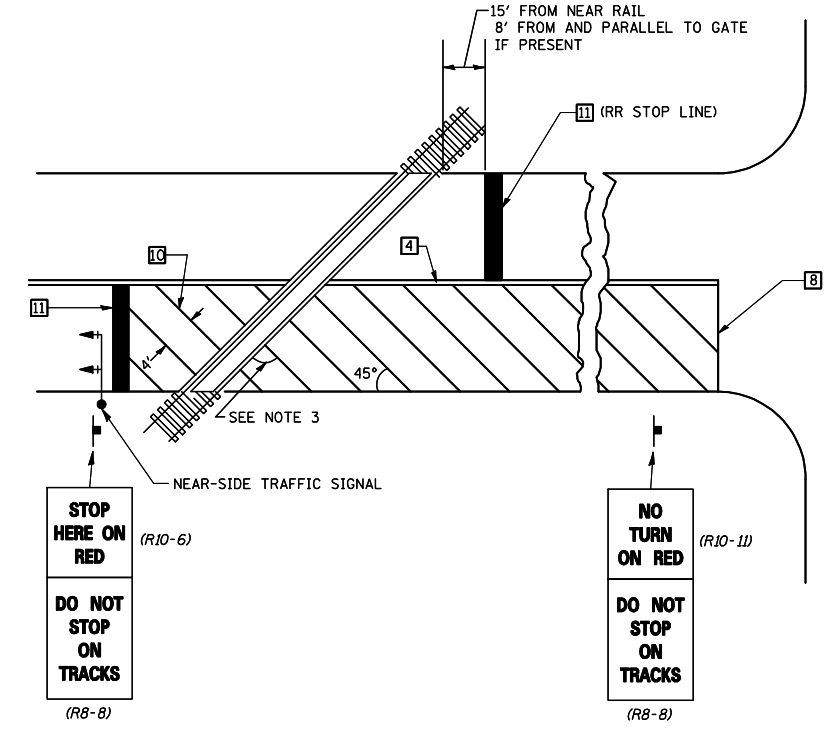
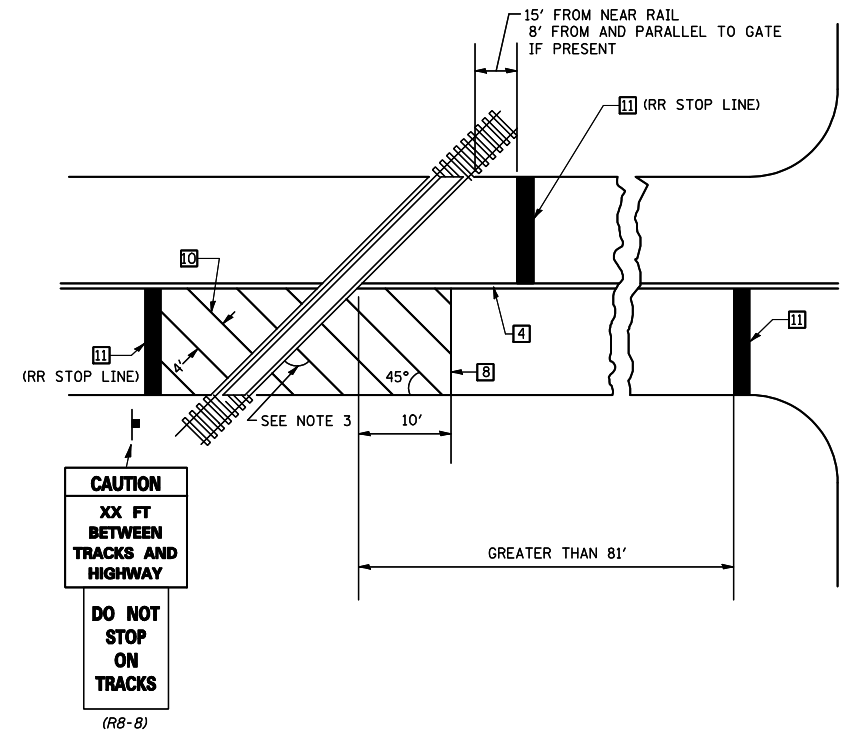
APPROXIMATELY 15' (4.5 m) OR 8' (2.4 m) BACK FROM AND PARALLEL TO GATE, IF PRESENT.

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

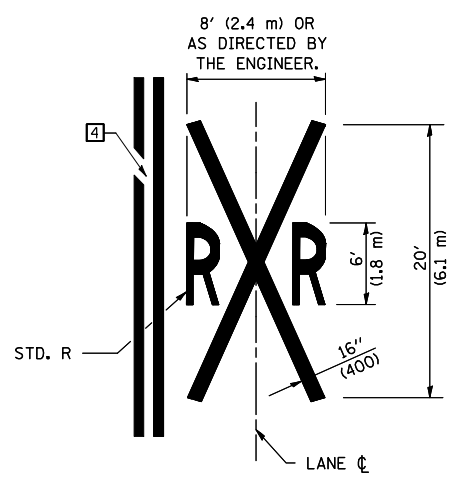
ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.

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



SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING



GENERAL NOTES

- SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.
- WHERE THE ANGLE BETWEEN THE DIAGONAL PAVEMENT MARKINGS AND THE TRACK WOULD BE LESS THAN 20°, THE PAVEMENT MARKINGS SHOULD BE PLACED IN THE OPPOSITE DIRECTION FROM THAT SHOWN.

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

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	PLOT DATE = 1/13/2010	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING AND MARKERS  
(RURAL & URBAN APPLICATIONS)

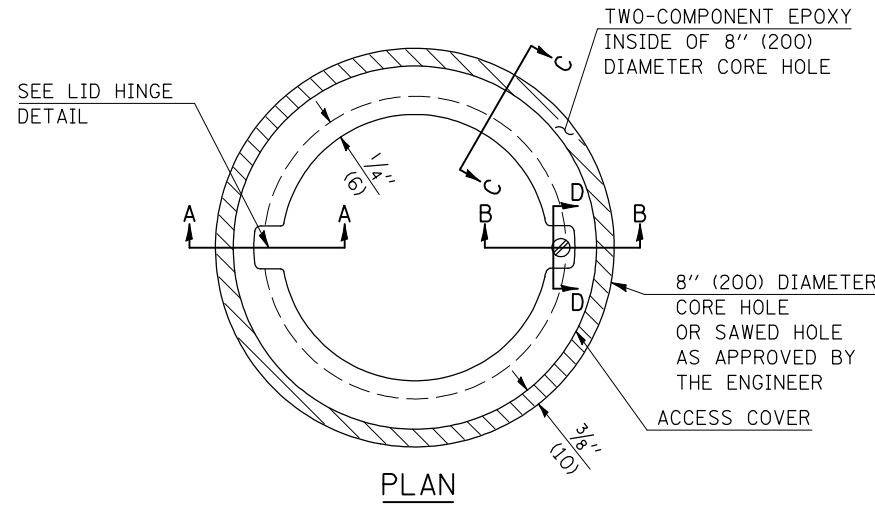
SCALE: SHEET NO. 4 OF 4 SHEETS STA. TO STA.

DISTRICT 5 DETAIL NO. 7800AAAA

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	64
CONTRACT NO. 70510				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

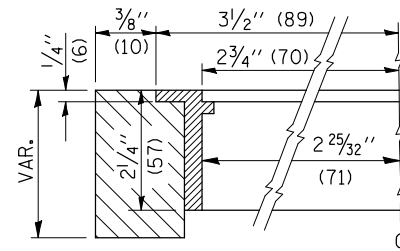


TO BE INSTALLED IN RIGID OR COMPOSITE PAVEMENT FOR PRESERVING LAND SURVEY MONUMENTS (SECTION OR SUBSECTION CORNERS)

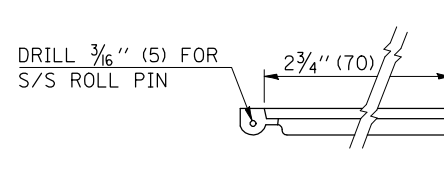


**LEGEND**

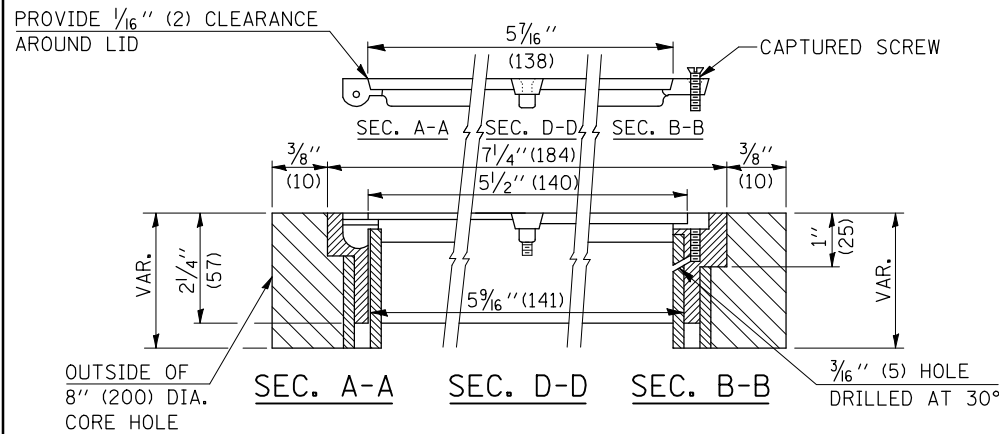
- ALUMINUM CASTING
- 5" (125) OR 6" (150) P.V.C. PIPE
- TWO-COMPONENT EPOXY
- T = THICKNESS OF PAVEMENT STRUCTURE
- H = THE THICKNESS OF THE SUB-BASE GRANULAR + 1" (25)



**SECTION C-C**



**LID HINGE DETAIL**



**ELEVATION**

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).

**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.

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

**DISTRICT 5 DETAIL NO. X0301232**

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

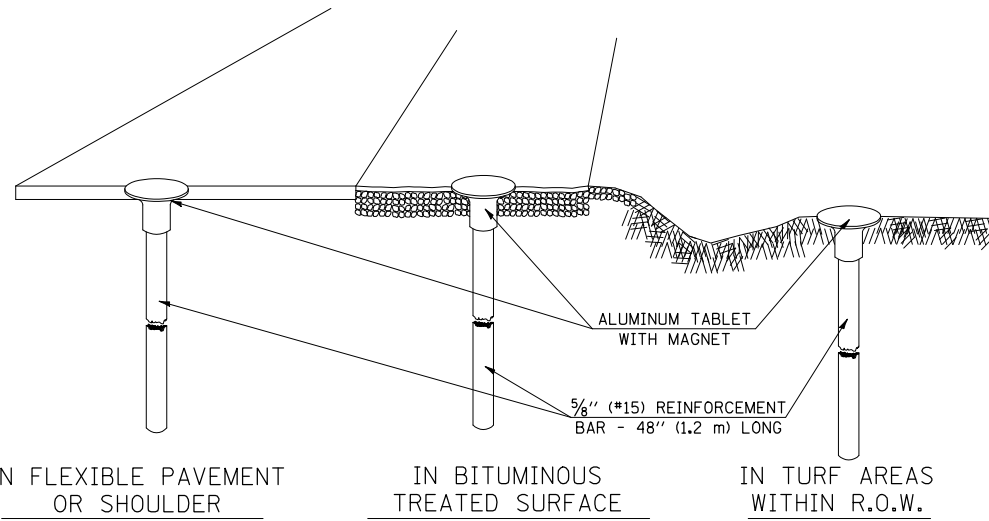
**SURVEY MARKER VAULT**

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	65
CONTRACT NO. 70510				
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)



### 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 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.

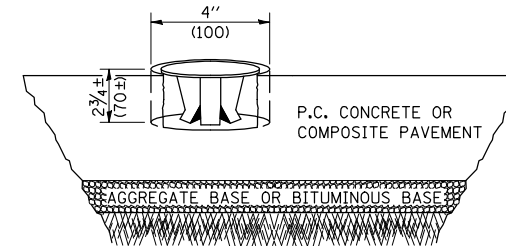
### SPECIFICATIONS FOR REBAR

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)

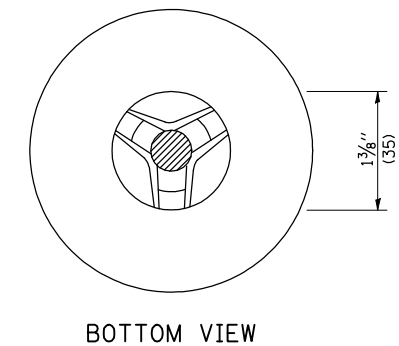
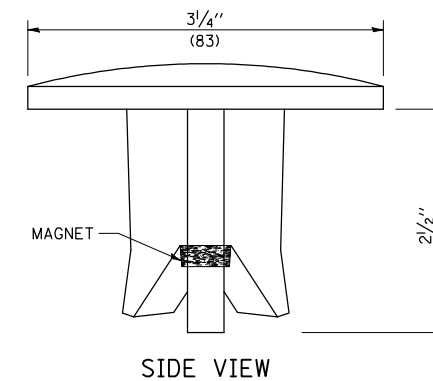
TO BE INSTALLED IN RIGID OR COMPOSITE PAVEMENT FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S)



### 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 1/2" (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.



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

### GENERAL NOTES

- WORK ON THIS ITEM SHALL NOT START UNTIL THE FINAL SURFACE IS COMPLETED.
- 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.
- 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.
- THE 4" (100 mm) CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.
- 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.
- ALL SURVEY MARKERS, TYPE 2 (SPECIAL) SHALL BE PLACED ± 1/4" (6 mm) BELOW THE FINAL SURFACE.

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

### DISTRICT 5 DETAIL NO. XZ193AAA

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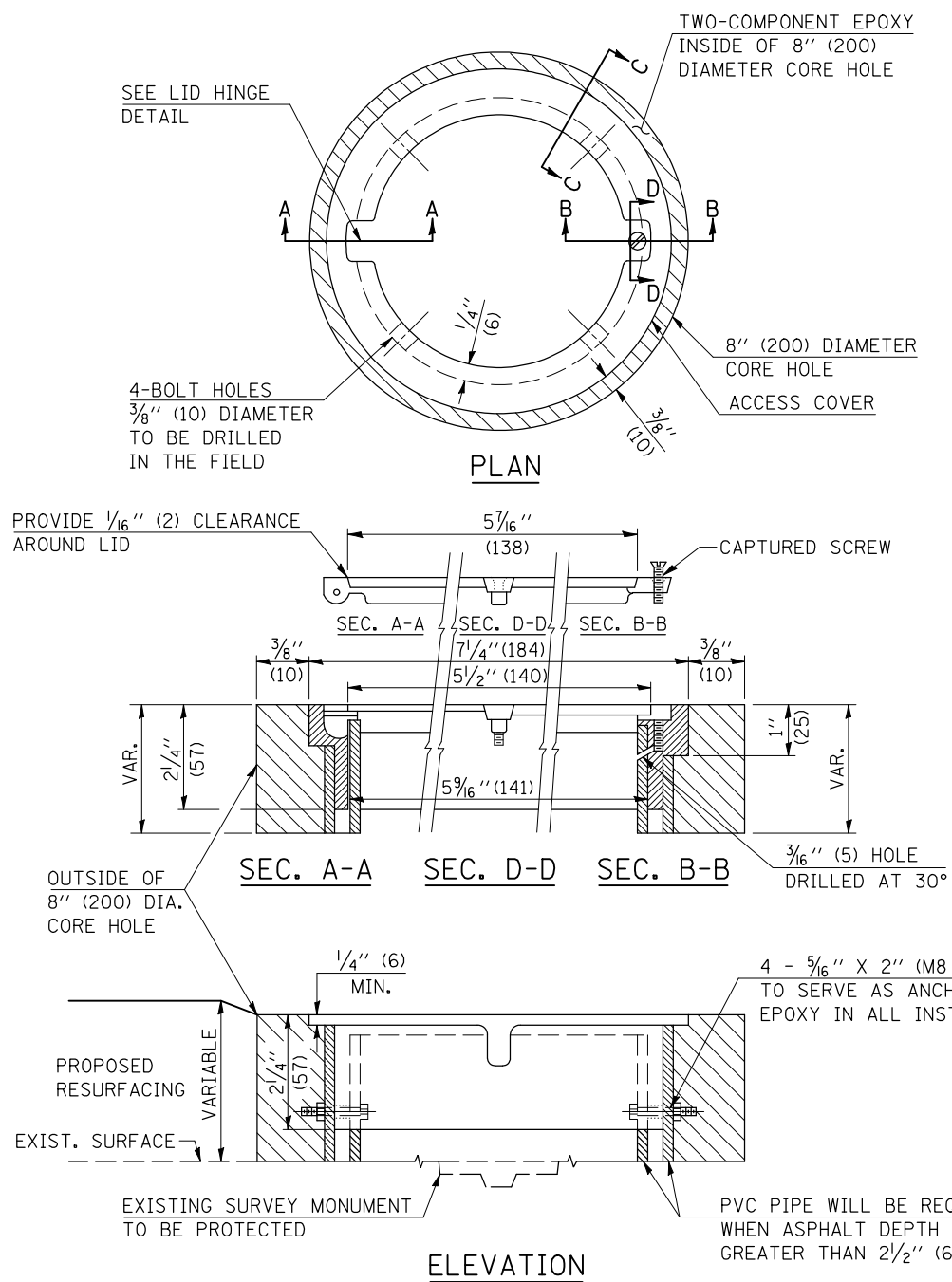
STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

SURVEY MARKERS TYPE 1 & 2 (SPECIAL)

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	66
CONTRACT NO.				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

TO BE INSTALLED IN ALL PAVEMENT TYPES FOR PRESERVING PERMANENT SURVEY MARKERS (PI'S, PT'S, PC'S, POC'S, & POT'S) AND LAND SURVEY MONUMENTS (SECTION OR SUBSECTION CORNERS)



**LEGEND**

- ALUMINUM CASTING
- 5" (125) OR 6" (150) P.V.C. PIPE
- TWO-COMPONENT EPOXY

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; 00-A-601Es. NO EXCEPTIONS.

**BILL OF MATERIAL**

ALUMINUM CASTING OF THE DIMENSIONS AND SPECIFICATIONS SHOWN OR OTHER SUBJECT TO ENGINEER'S APPROVAL OF SHOP DRAWINGS, 4 EACH - 5/16" X 2" (M8 X 50) BOLTS WITH NUTS, EPOXY, 5" OR 6" (125 mm OR 150 mm) DIAMETER P.V.C. PIPE, SCHEDULE 40 (WHEN REQUIRED).

**GENERAL NOTES**

1. WORK SHALL NOT START ON THIS ITEM UNTIL THE FINAL LIFT OF SURFACE HAS BEEN COMPLETED.
2. THE SURVEY MONUMENT COVER ASSEMBLY SHALL BE CENTERED ABOVE THE SURVEY MONUMENT TO BE PROTECTED.
3. MODIFICATION OF THE ALUMINUM CASTING SHALL BE DONE BY GRINDING OR SAWING WHEN HEIGHT REDUCTION IS REQUIRED.
4. ALL SURVEY MONUMENT COVER ASSEMBLIES SHALL BE PLACED 1/4" (6 mm) ± BELOW THE FINAL SURFACE.
5. ALUMINUM CASTING SHALL BE PLACED OVER A 5" (125 mm) P.V.C. PIPE OR INSIDE OF A 6" (150 mm) P.V.C. PIPE WHEN AN INCREASE IN HEIGHT IS REQUIRED.
6. 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.
7. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR SURVEY MONUMENT COVER ASSEMBLY WHICH PRICE SHALL INCLUDE ALL LABOR AND MATERIAL AS SPECIFIED INCLUDING CORING THE NEW PAVEMENT SURFACE AND EPOXY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
8. THE 8" (200 mm) DIAMETER CORE HOLE SHALL BE SUBJECT TO THE APPROVAL OF THE ENGINEER.

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

**DISTRICT 5 DETAIL NO. Z0070100**

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	PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/13/2010	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SURVEY MONUMENT COVER ASSEMBLY**

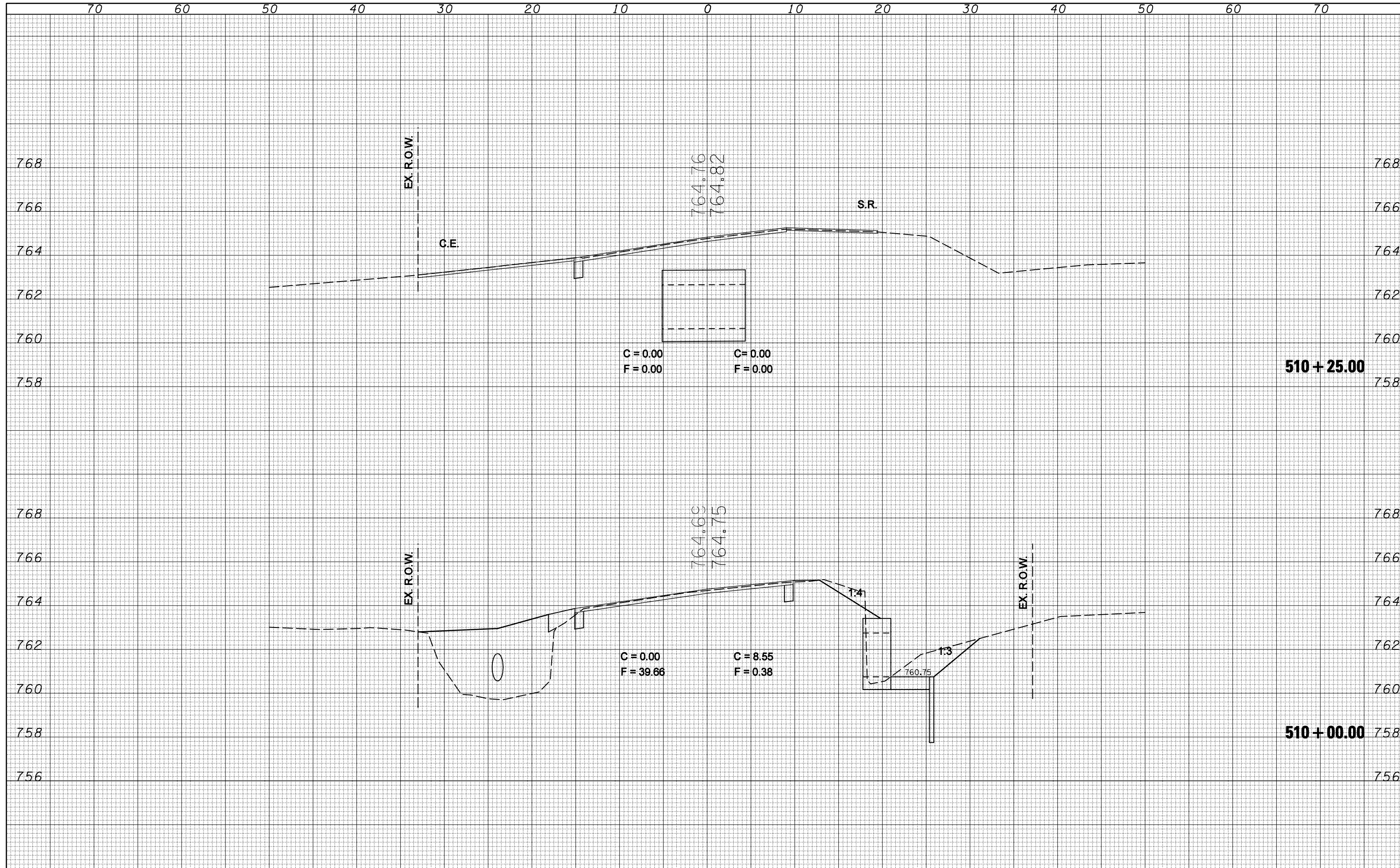
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	67
CONTRACT NO. 70510				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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

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



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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

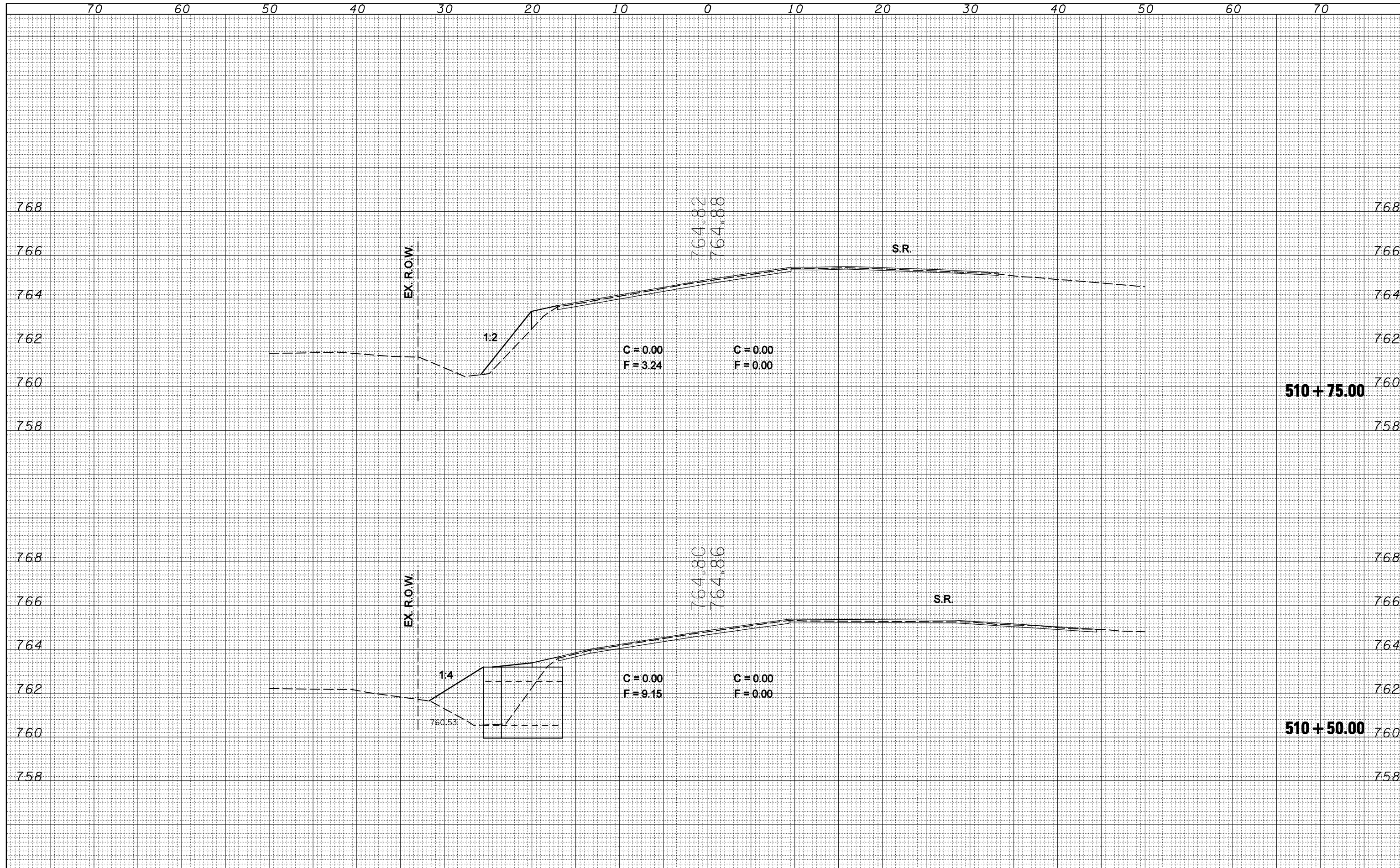
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**CROSS SECTIONS**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	69
CONTRACT NO. 70510			ILLINOIS FED. AID PROJECT	

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

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK NO.	PLOTTED
	TEMPLATE
	AREAS
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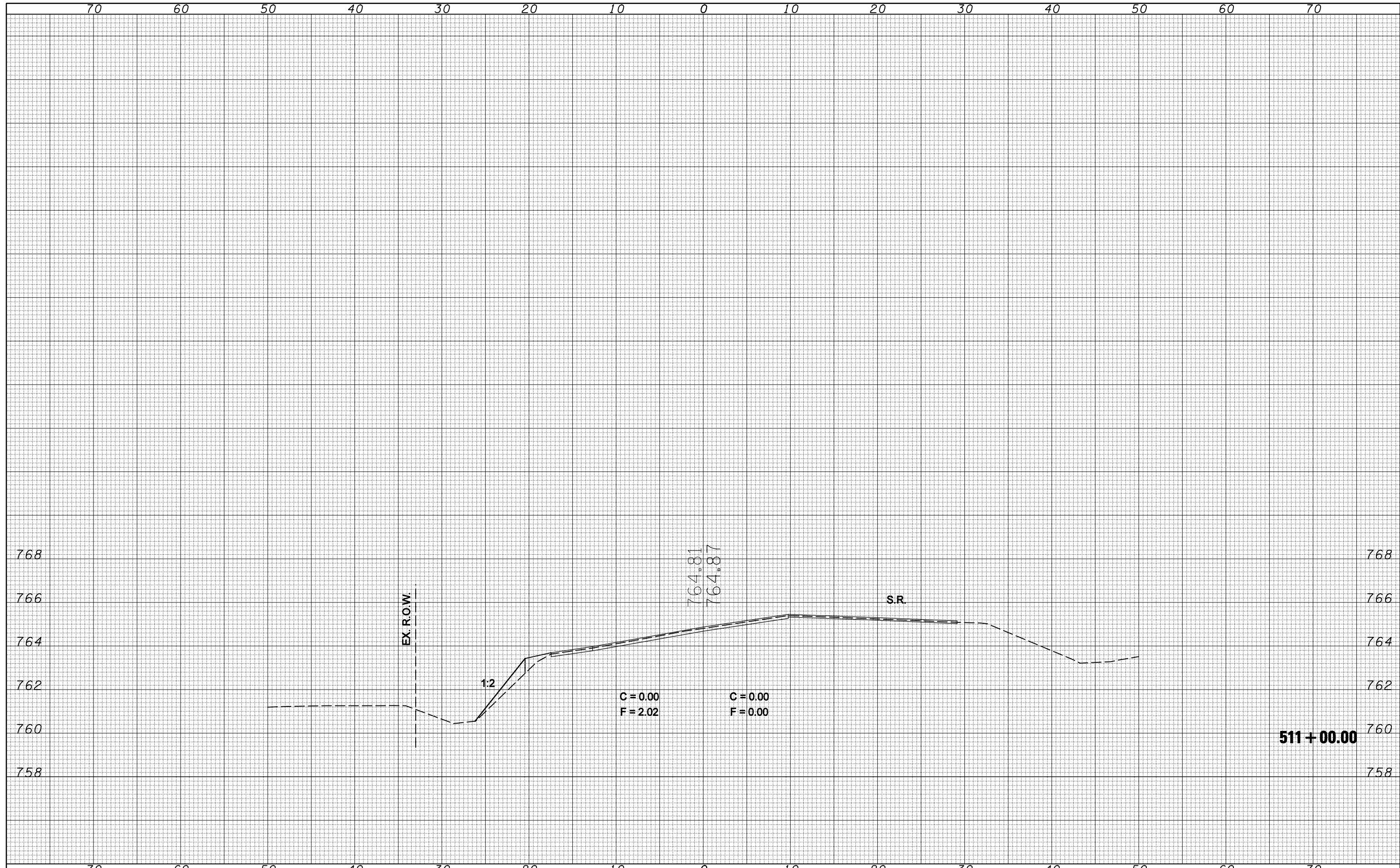
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**  
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	70
CONTRACT NO.			70510	
ILLINOIS FED. AID PROJECT				

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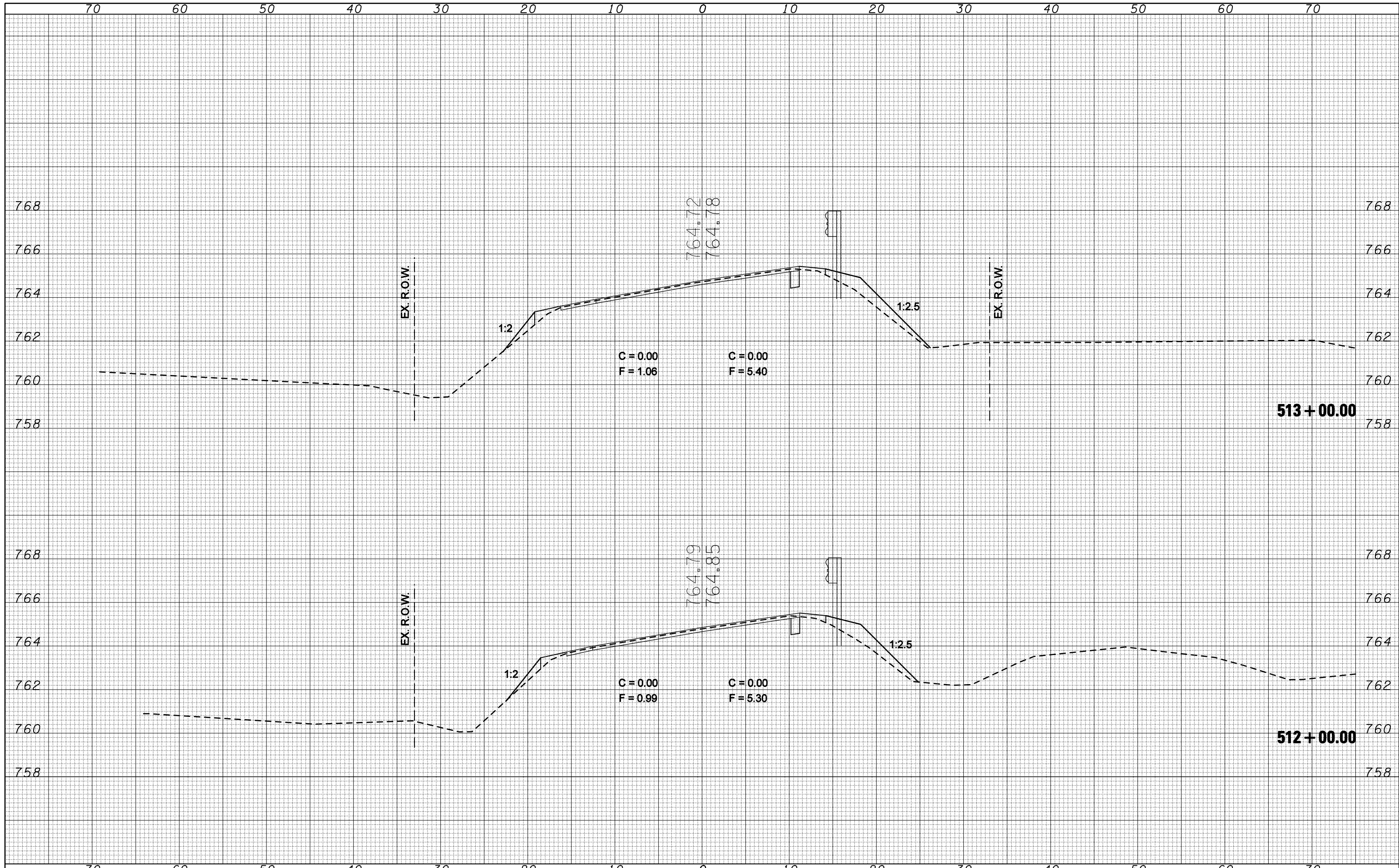
DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



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ct:\pw\work\PWIDOT\COOMBESSF\dms87296\0570510	shp\rs.509+75.dgn	DRAWN -	REVISSED -		SCALE:	SHEET NO.	OF	SHEETS	STA. 511+00.00	TO STA. 511+00.00	2484	(125,126,127)RS-2	MCLEAN	122	71
	PLOT SCALE = 10.0000' / IN.	CHECKED -	REVISSED -										CONTRACT NO.	70510	
	PLOT DATE = 1/13/2010	DATE -	REVISSED -										ILLINOIS FED. AID PROJECT		

BY	DATE
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
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BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS

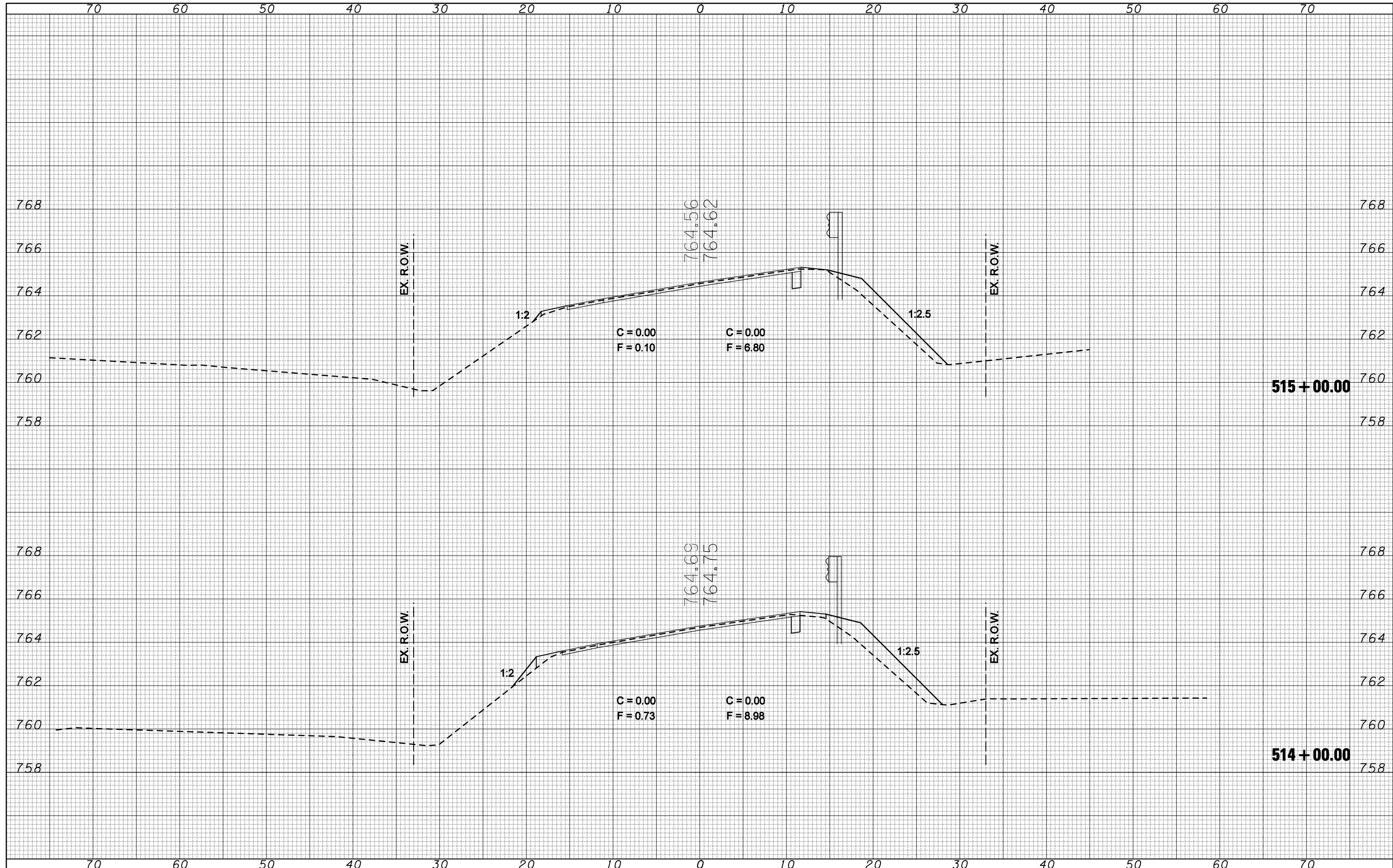
SCALE: SHEET NO. OF SHEETS STA. 512+00.00 TO STA. 513+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	72
		CONTRACT NO. 70510		
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
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

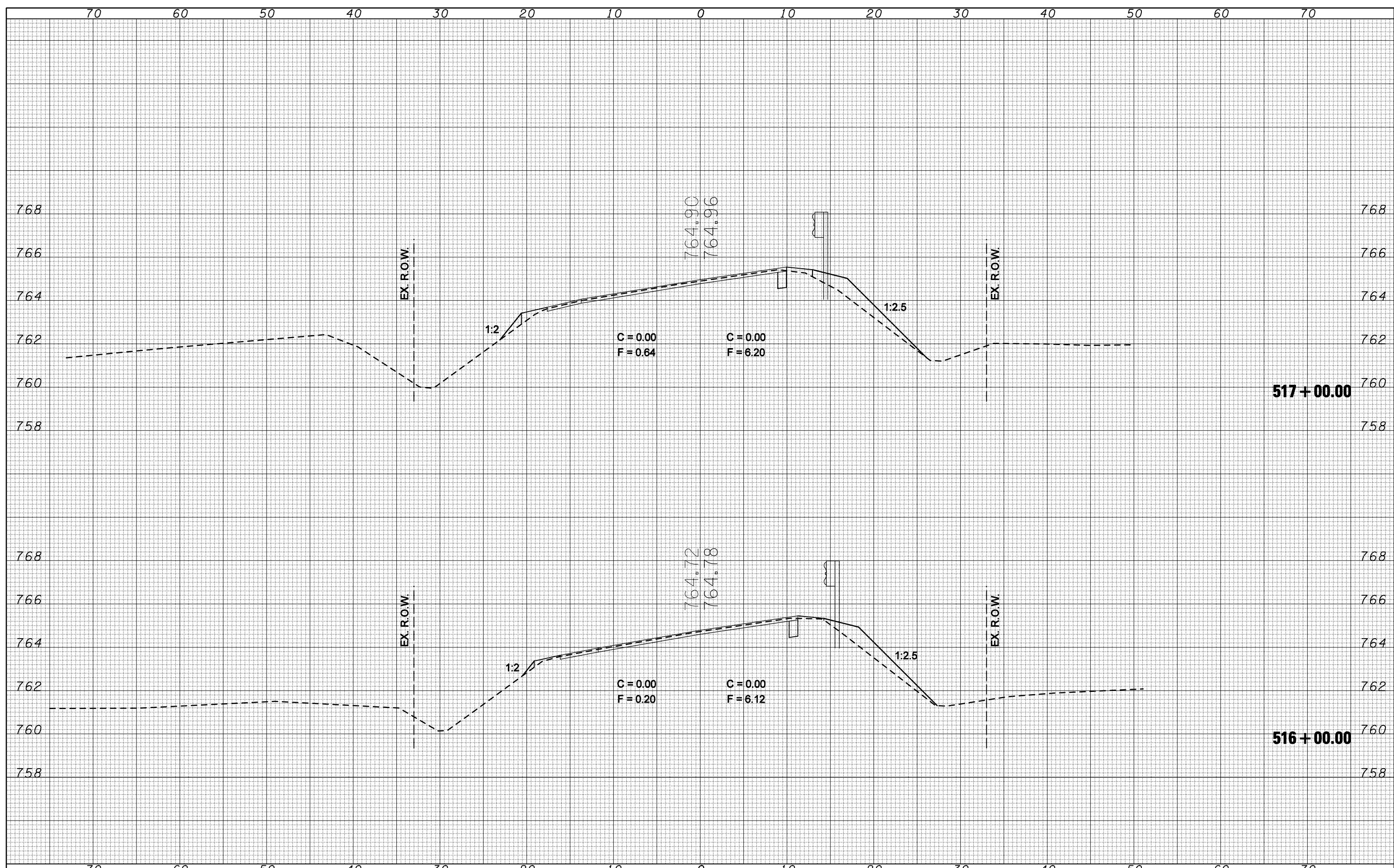
**CROSS SECTIONS**

SCALE: SHEET NO. OF SHEETS STA. 514+00.00 TO STA. 515+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	73
CONTRACT NO.			70510	
ILLINOIS FED. AID PROJECT				

BY	DATE

ORIGINAL SURVEY	NO.
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NOTE BOOK	AREAS CHECKED



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 PLOT DATE = 1/13/2010

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

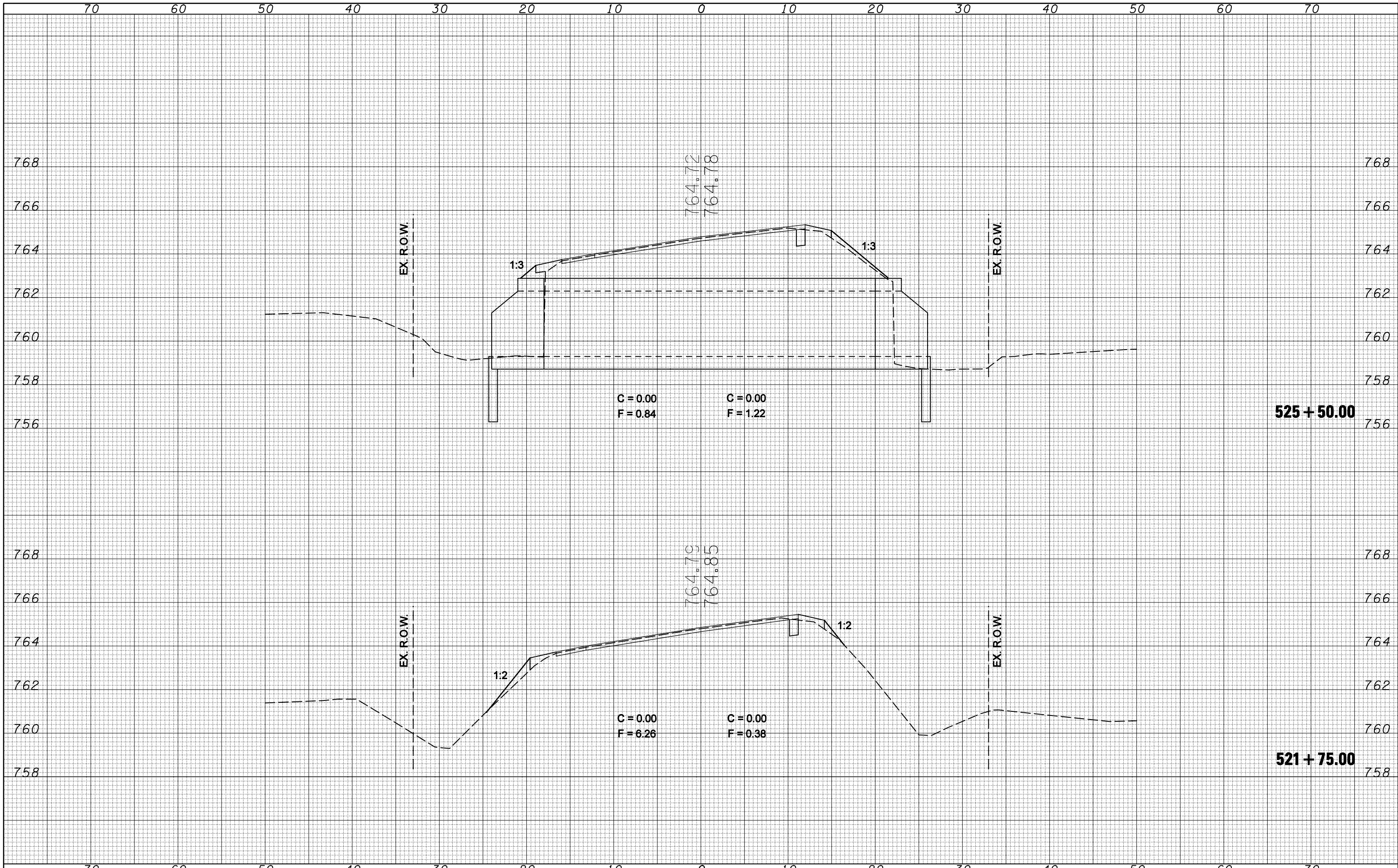
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	74
CONTRACT NO. 70510			ILLINOIS FED. AID PROJECT	



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FINAL SURVEY	SURVEYED
NOTE BOOK NO.	PLOTTED
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK NO.	PLOTTED
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

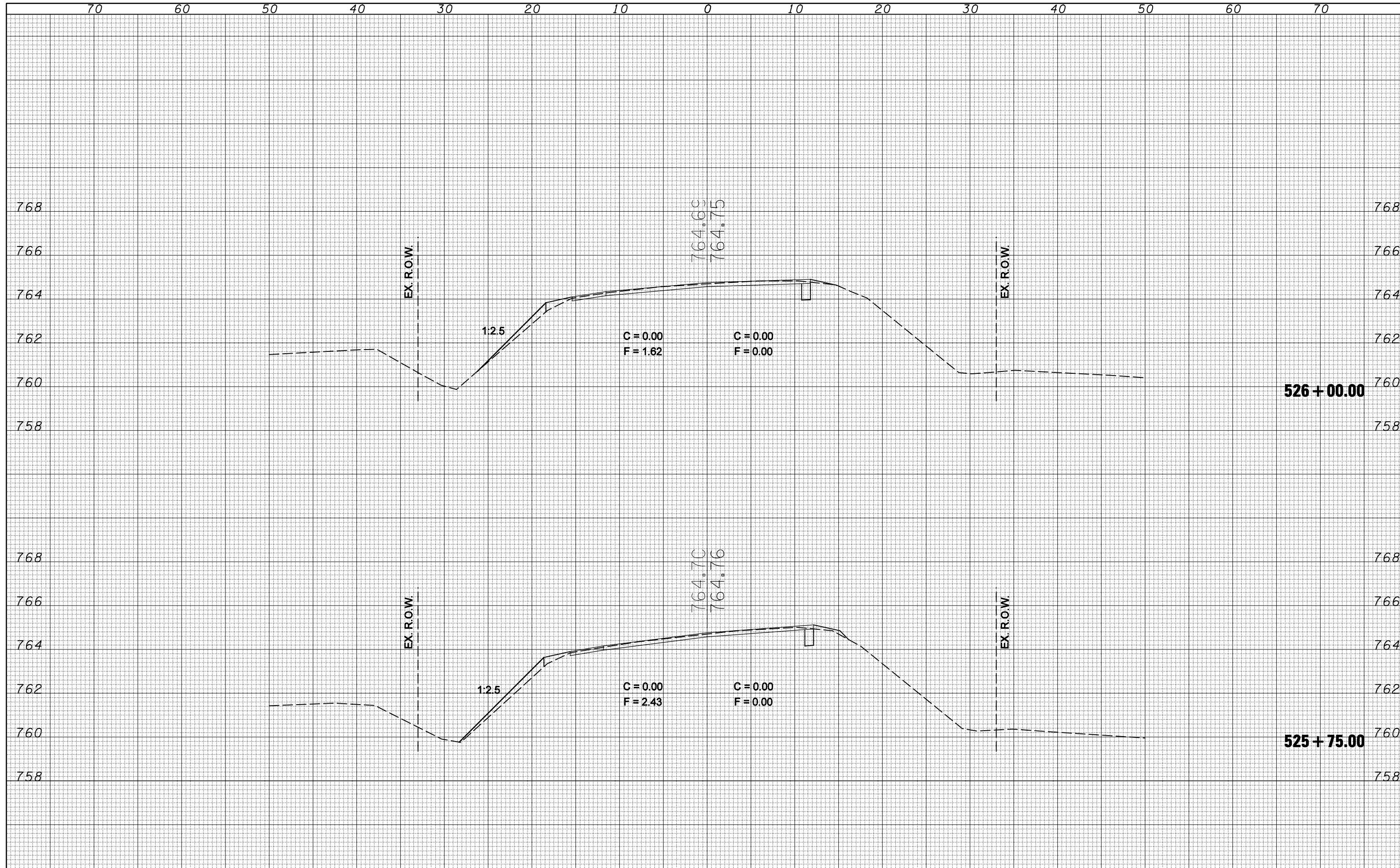
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SCALE: SHEET NO. OF SHEETS STA. 521+75.00 TO STA. 525+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	76
CONTRACT NO.			70510	
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
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

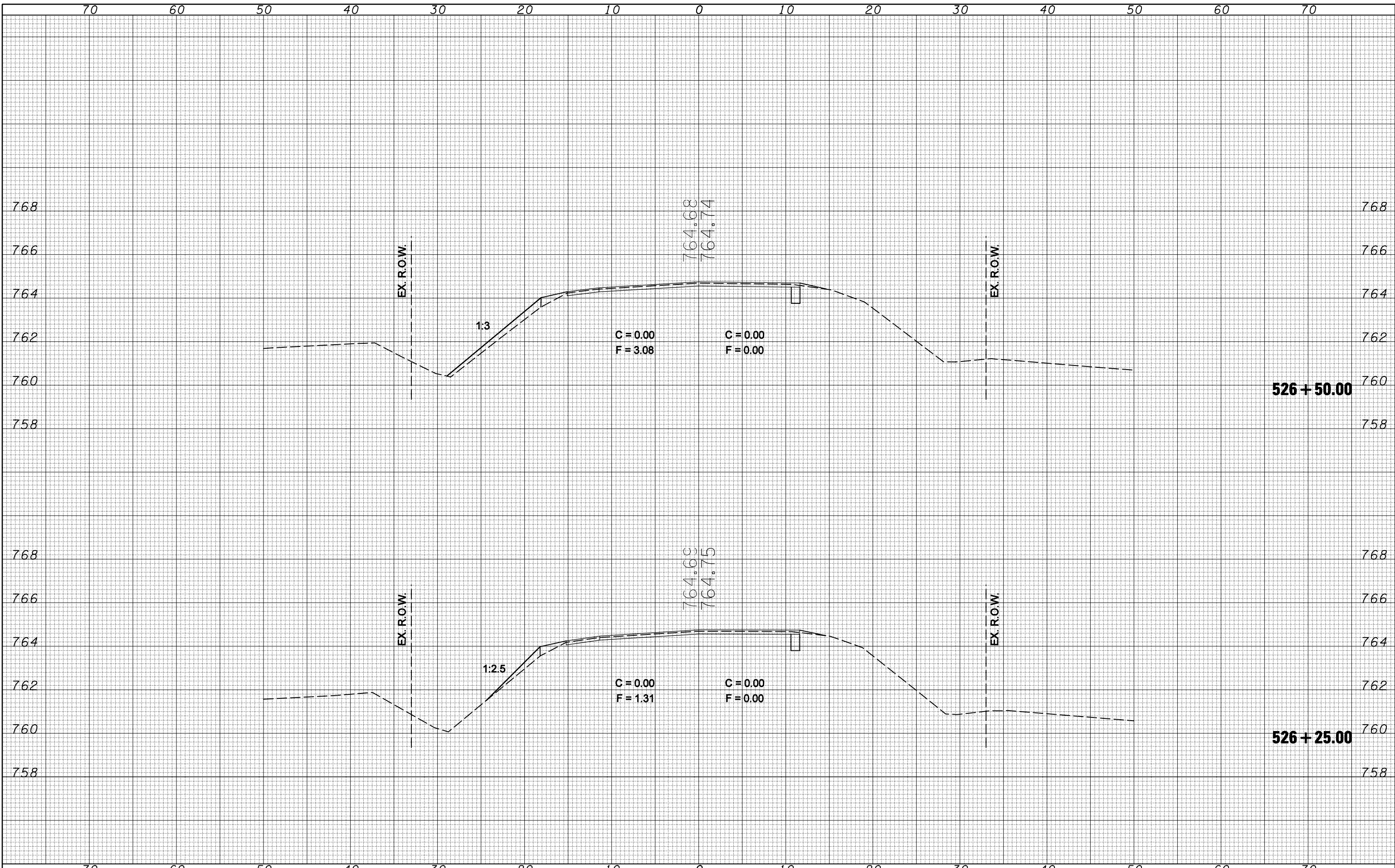
**CROSS SECTIONS**

SCALE: SHEET NO. OF SHEETS STA. 525+75.00 TO STA. 526+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	77
CONTRACT NO.			70510	
ILLINOIS FED. AID PROJECT				

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TEMPLATE	
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SURVEYED	
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TEMPLATE	
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ORIGINAL SURVEY NO.	



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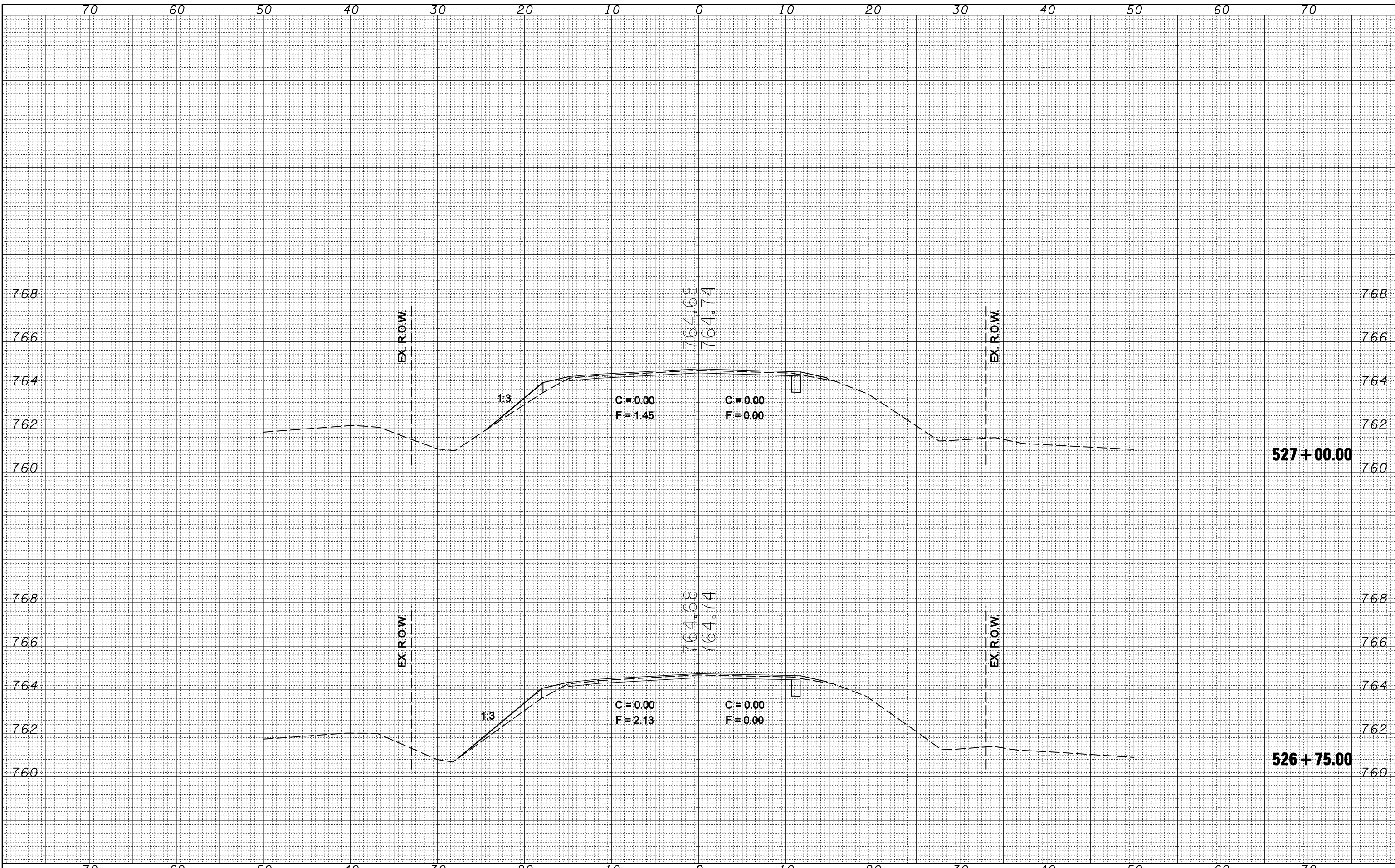
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

SCALE: SHEET NO. OF SHEETS STA. 526+25.00 TO STA. 526+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	78
CONTRACT NO.			70510	
ILLINOIS FED. AID PROJECT				



BY		DATE	
FINAL SURVEY	SURVEYED	PLOTTED	DATE
NOTE BOOK	TEMPLATE	AREAS	CHECKED
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ORIGINAL SURVEY	SURVEYED	PLOTTED	DATE
NOTE BOOK	TEMPLATE	AREAS	CHECKED
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CHECKED -	REVISIONS
DATE -	REVISIONS

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

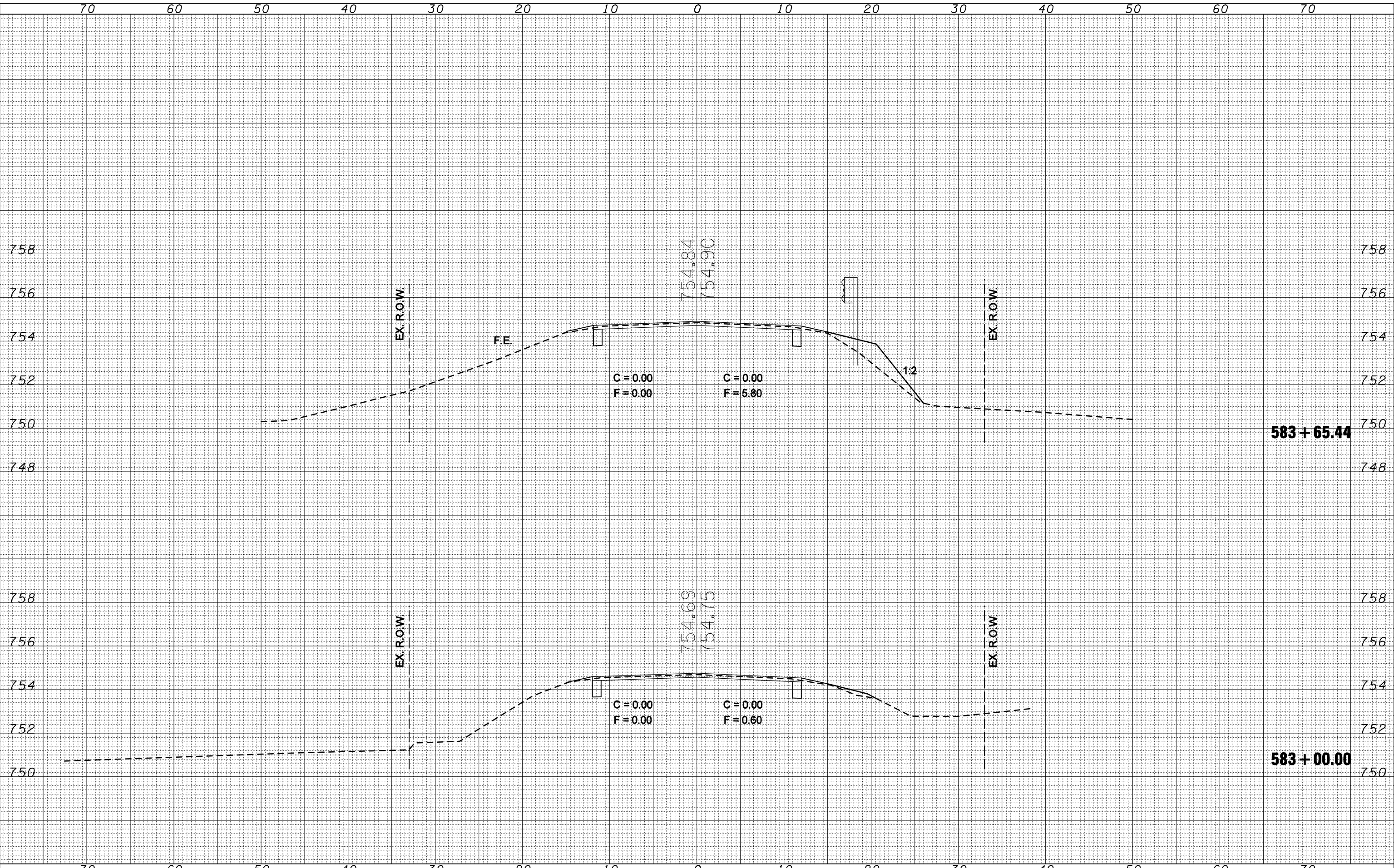
SCALE:	SHEET NO.	OF	SHEETS	STA. 526+75.00	TO STA. 527+00.00
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**CROSS SECTIONS**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	79
CONTRACT NO.			70510	
ILLINOIS FED. AID PROJECT				

BY	DATE

BY	DATE

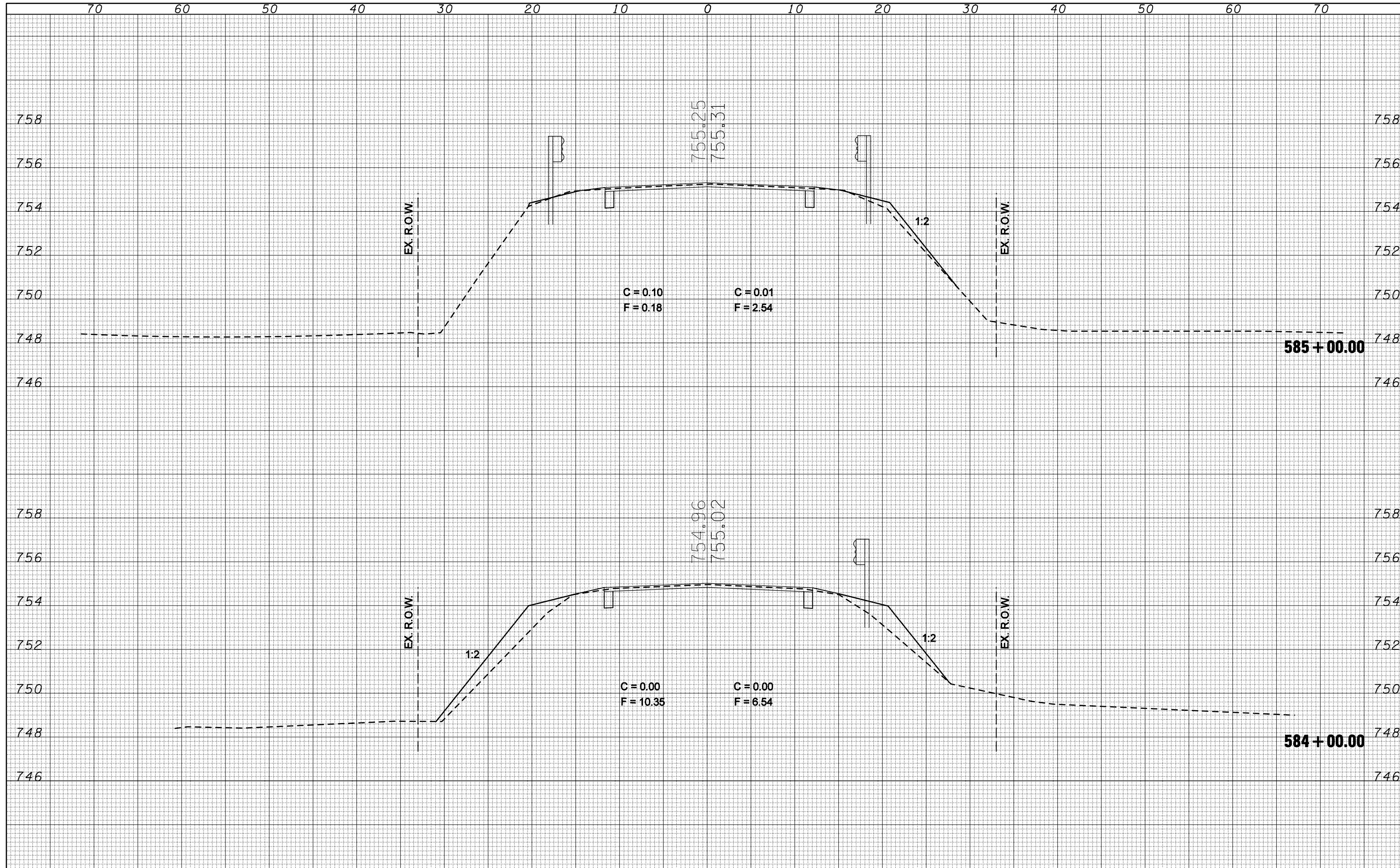


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		DRAWN -	REVISED -			2484	(125,126,127)RS-2	MCLEAN	122	80
		CHECKED -	REVISED -			CONTRACT NO. 70510				
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				



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FINAL SURVEY NO.	
SURVEYED PLOTTED	
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NOTE BOOK AREAS CHECKED	

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ORIGINAL SURVEY NO.	
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

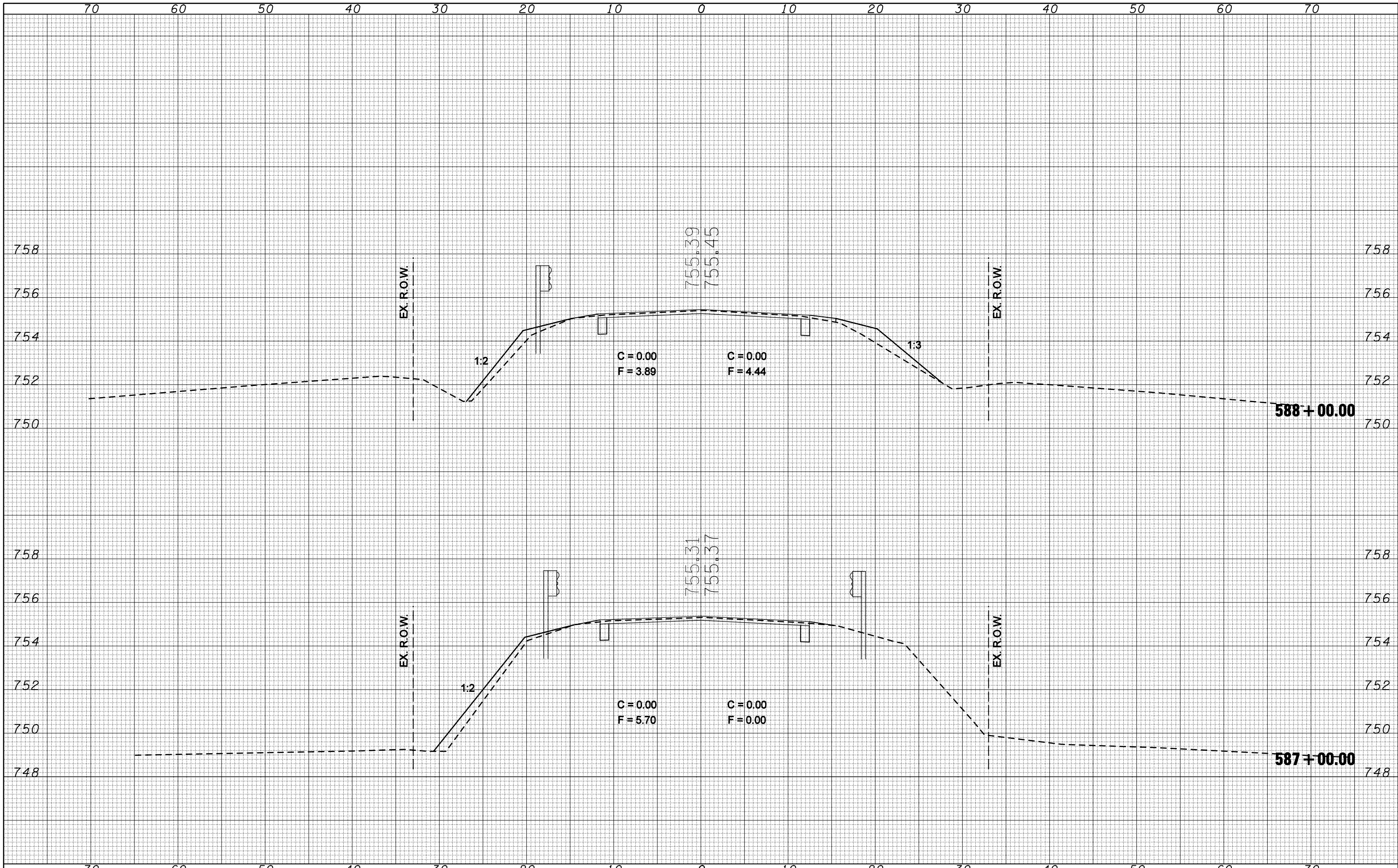
**CROSS SECTIONS**

SCALE: SHEET NO. OF SHEETS STA. 584+00.00 TO STA. 585+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	81
CONTRACT NO.			70510	
ILLINOIS FED. AID PROJECT				

BY	DATE
FINAL SURVEY	SURVEYED
NOTE BOOK NO.	PLOTTED
	TEMPLATE
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BY	DATE
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NOTE BOOK NO.	PLOTTED
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

SCALE:      SHEET NO.      OF      SHEETS      STA. 587+00.00      TO      STA. 588+00.00

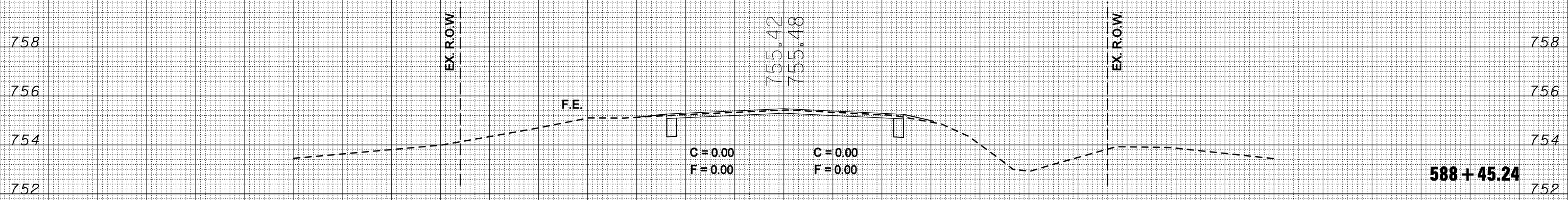
CROSS SECTIONS

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	82
CONTRACT NO.			70510	
ILLINOIS FED. AID PROJECT				

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

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

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



70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

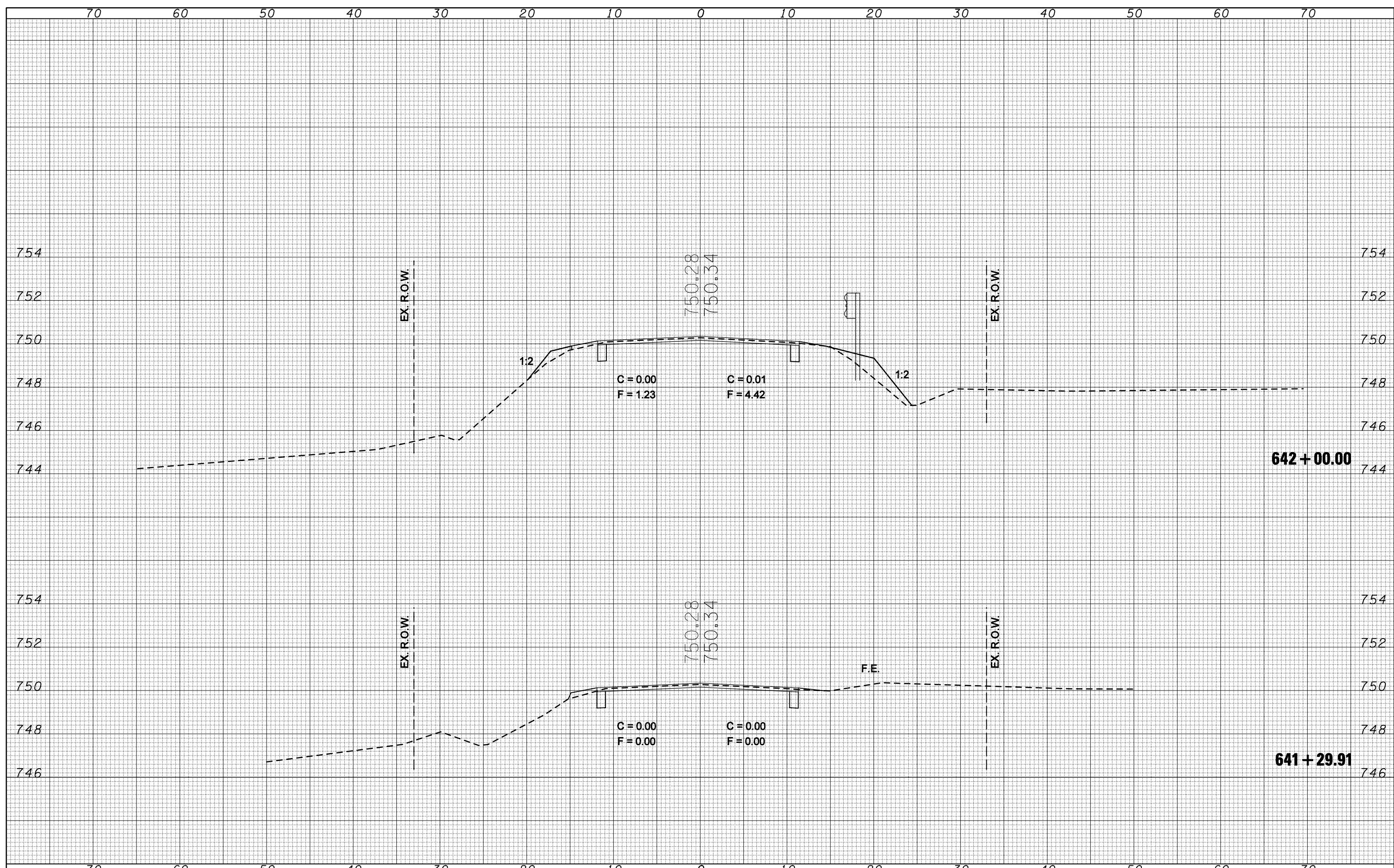
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	83
CONTRACT NO.			70510	

ILLINOIS FED. AID PROJECT

BY	DATE

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

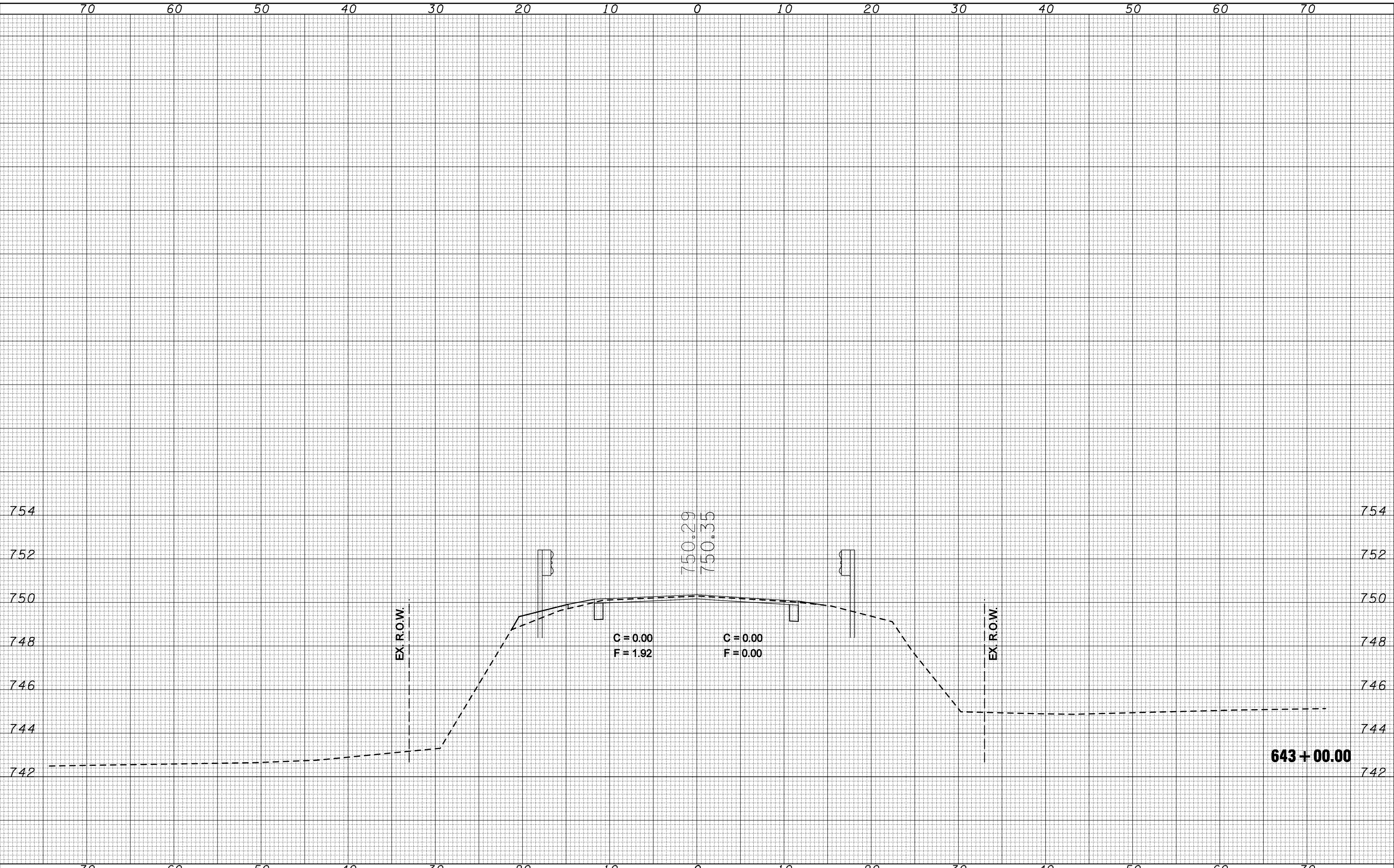
CROSS SECTIONS  
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	84
CONTRACT NO.			70510	
ILLINOIS FED. AID PROJECT				

BY	DATE

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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



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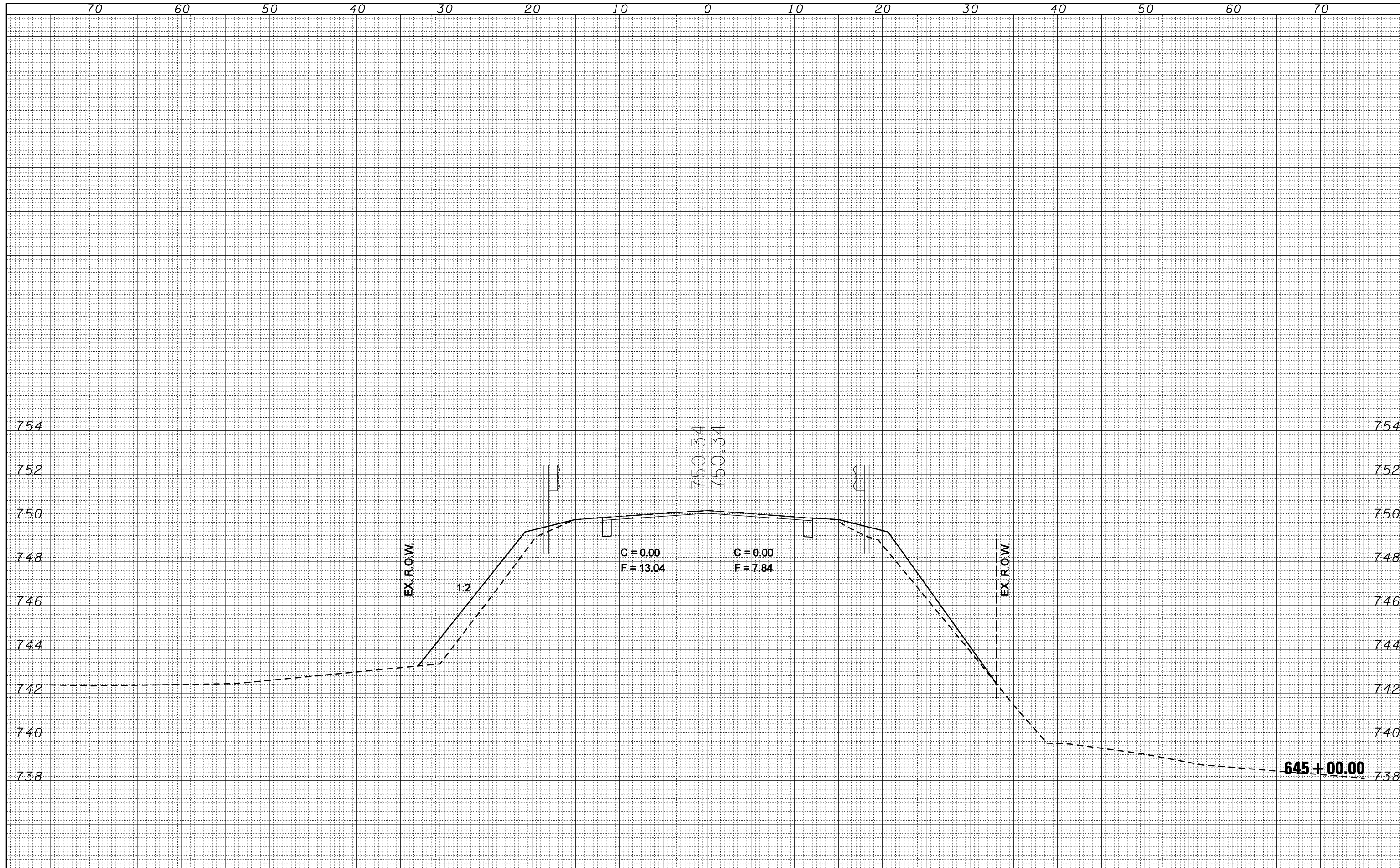
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS  
 SCALE: SHEET NO. OF SHEETS STA. 643+00.00 TO STA. 643+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	85
CONTRACT NO.			70510	
ILLINOIS FED. AID PROJECT				

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

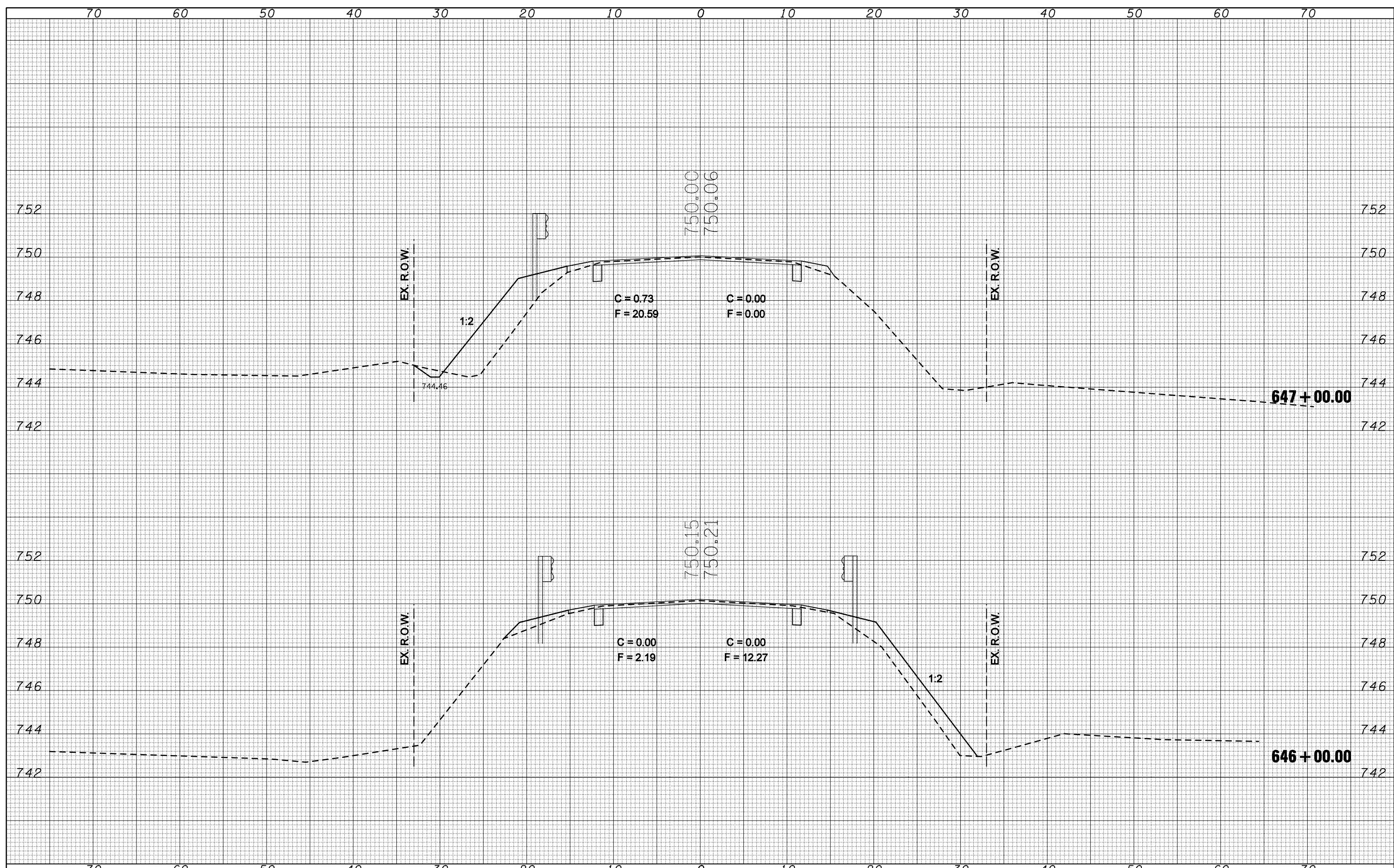
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**CROSS SECTIONS**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	86
CONTRACT NO. 70510			ILLINOIS FED. AID PROJECT	

BY	DATE
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
No.	TEMPLATE
	AREAS
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BY	DATE
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
No.	TEMPLATE
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

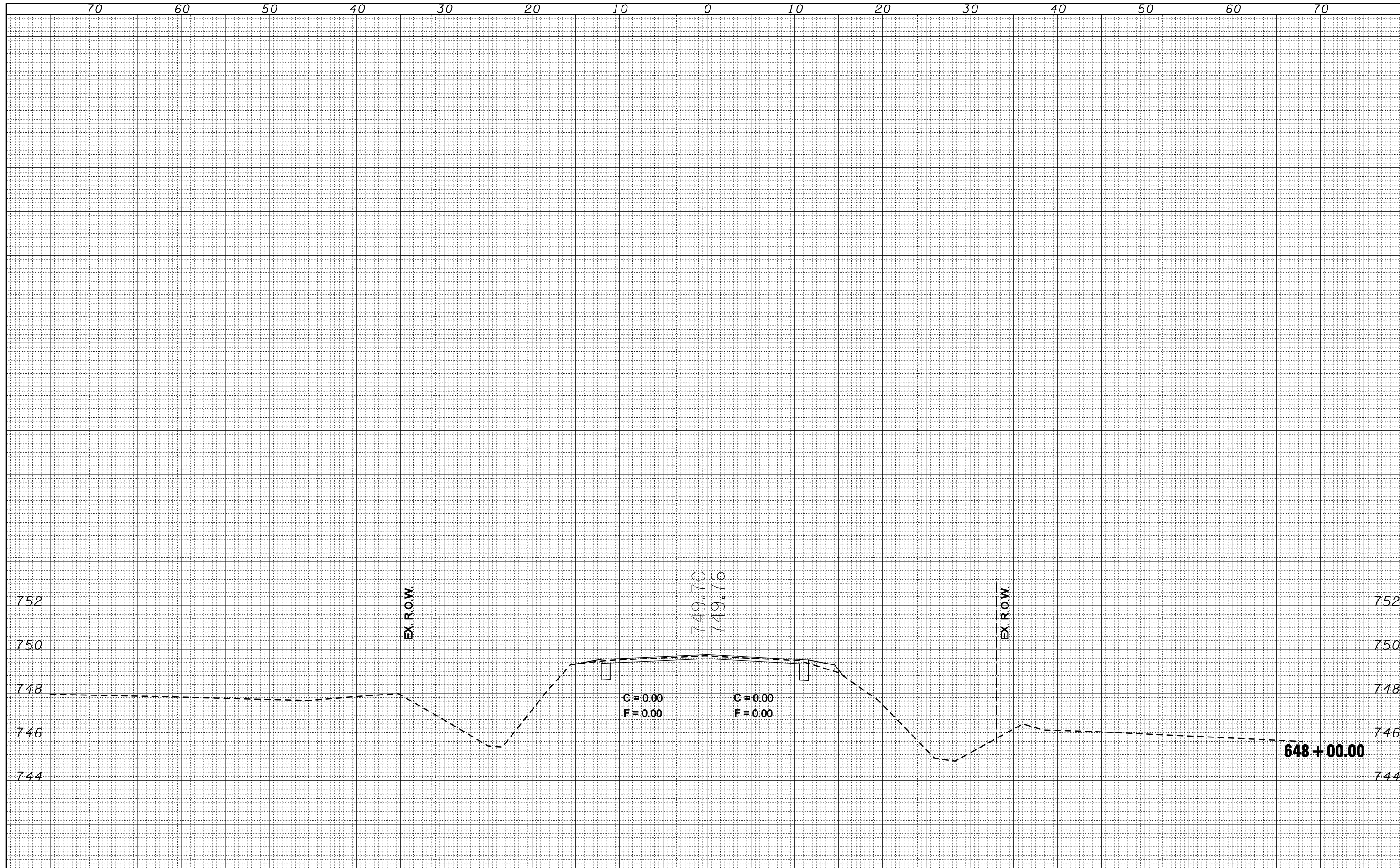
**CROSS SECTIONS**

SCALE:      SHEET NO.    OF    SHEETS    STA. 646+00.00    TO    STA. 647+00.00

F.A.S. RTE. 2484	SECTION (125,126,127)RS-2	COUNTY MCLEAN	TOTAL SHEETS 122	SHEET NO. 87
CONTRACT NO. 70510				ILLINOIS FED. AID PROJECT

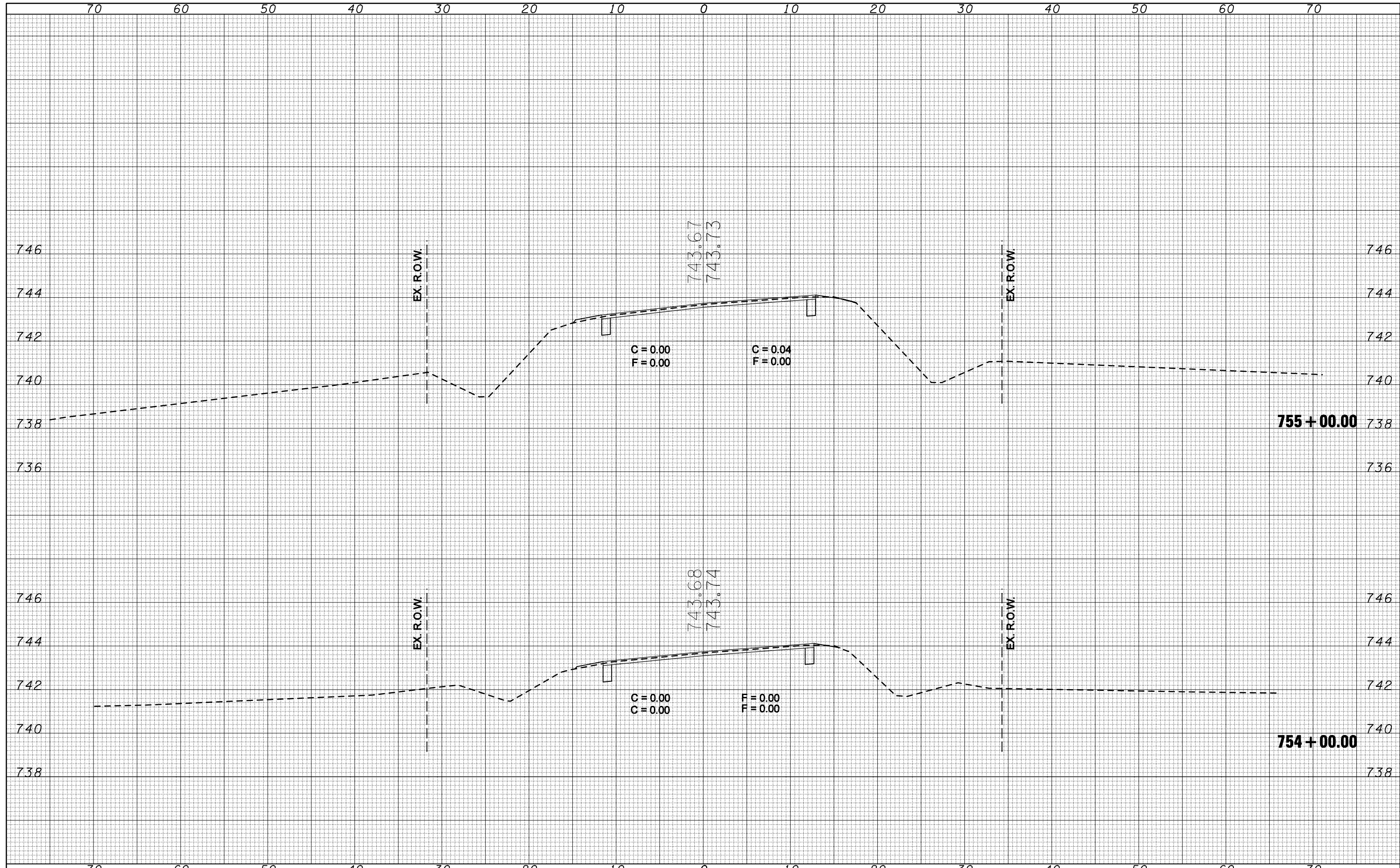
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	PLOT SCALE = 10.0000' / IN.	CHECKED -	REVISIED -												
	PLOT DATE = 1/13/2010	DATE -	REVISIED -												
											ILLINOIS FED. AID PROJECT			CONTRACT NO. 70510	





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

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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

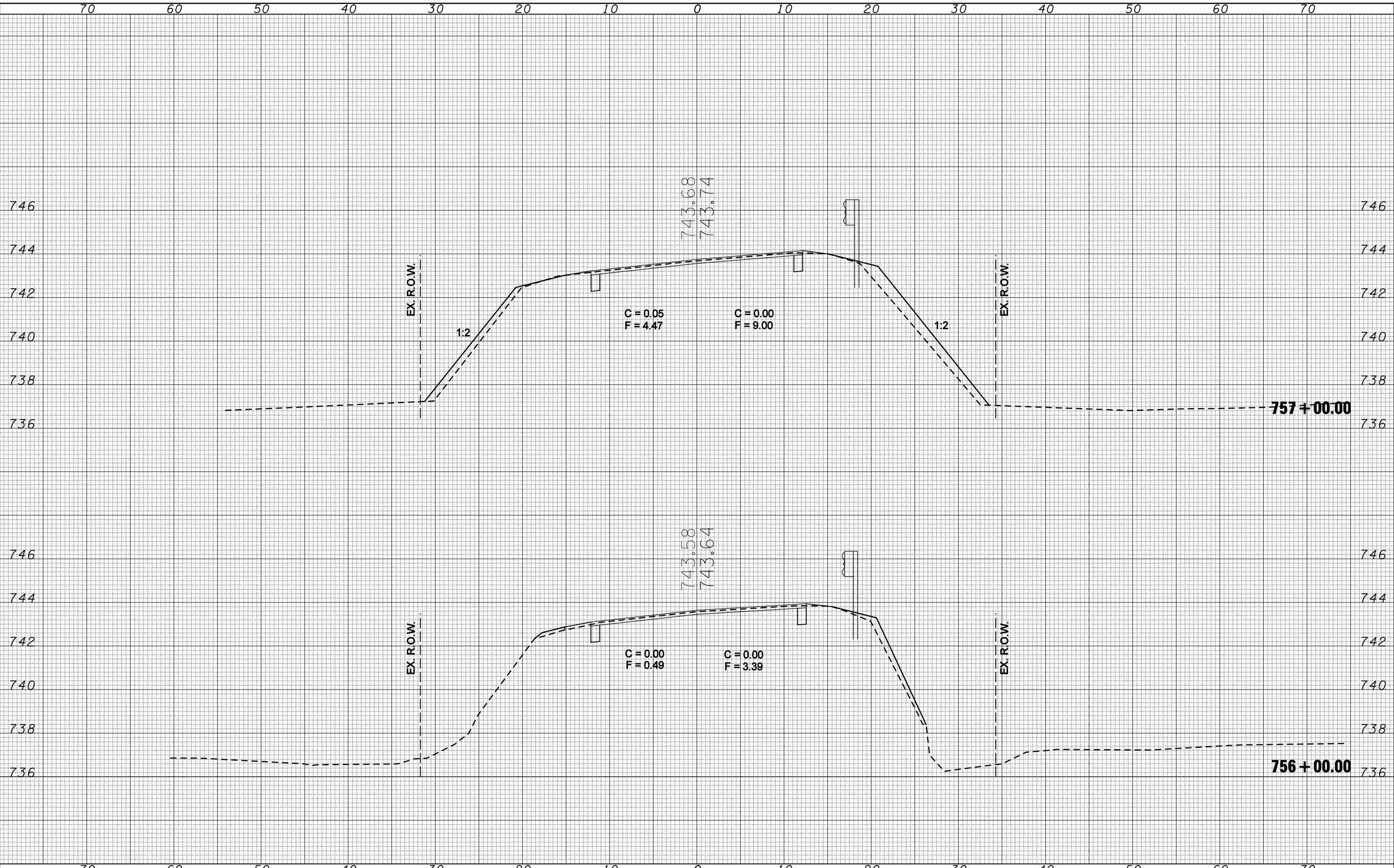
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CROSS SECTIONS

F.A.S. RTE. 2484	SECTION (125,126,127)RS-2	COUNTY MCLEAN	TOTAL SHEETS 122	SHEET NO. 89
CONTRACT NO. 70510			ILLINOIS FED. AID PROJECT	

BY	DATE
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS CHECKED

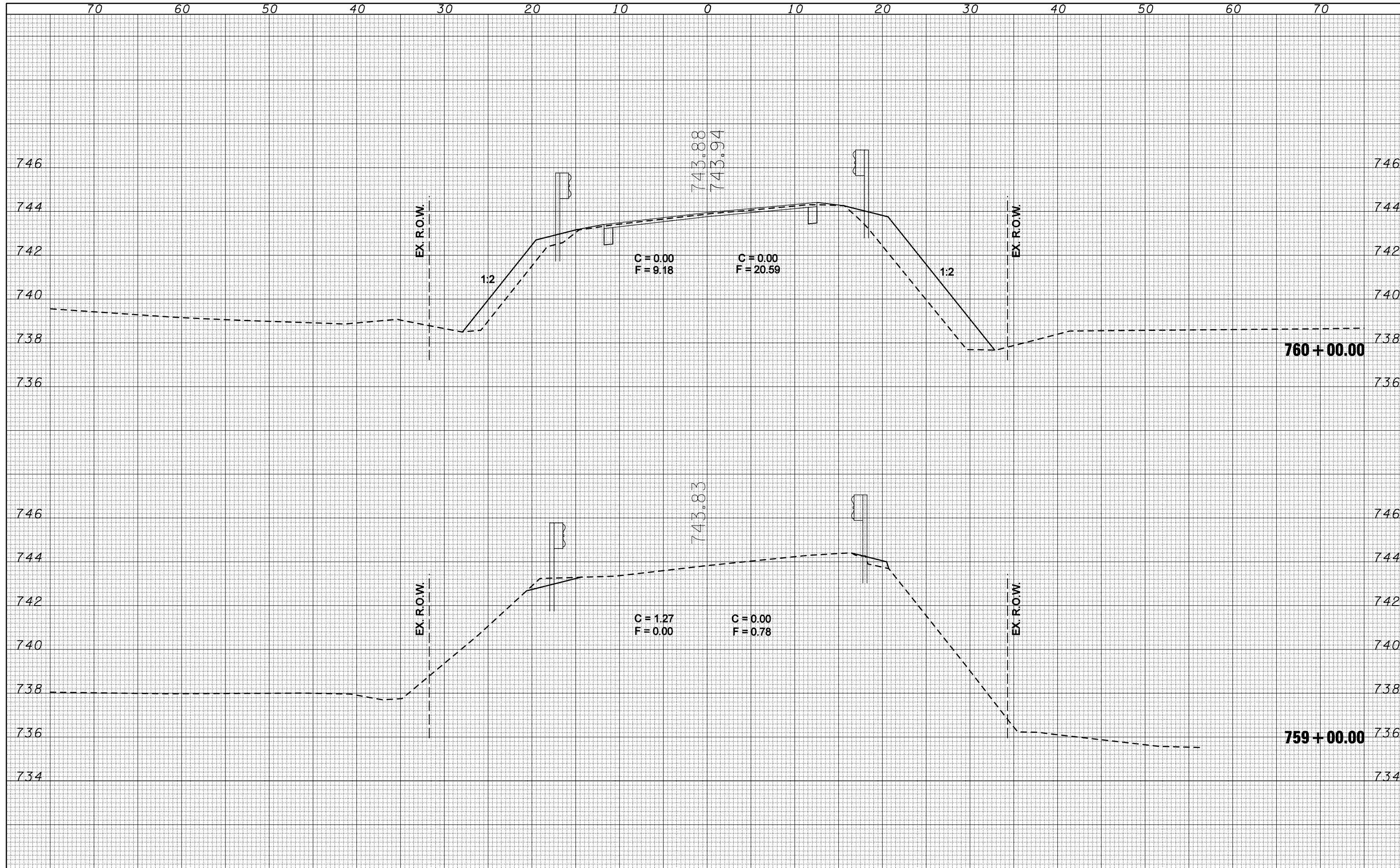
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	AREAS CHECKED
	AREAS CHECKED



FILE NAME =	USER NAME = coombessf	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTIONS</b>				F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pw\work\PWIDOT\COOMBESSF\dms87296\0570510.dgn	ca:\pw\work\PWIDOT\COOMBESSF\dms87296\0570510.dgn	DRAWN -	REVISED -		2484	(125,126,127)RS-2	MCLEAN	122	90				
PLOT SCALE = 10.0000 / IN.	PLOT DATE = 1/13/2010	CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. 756+00.00 TO STA. 757+00.00				CONTRACT NO. 70510				
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

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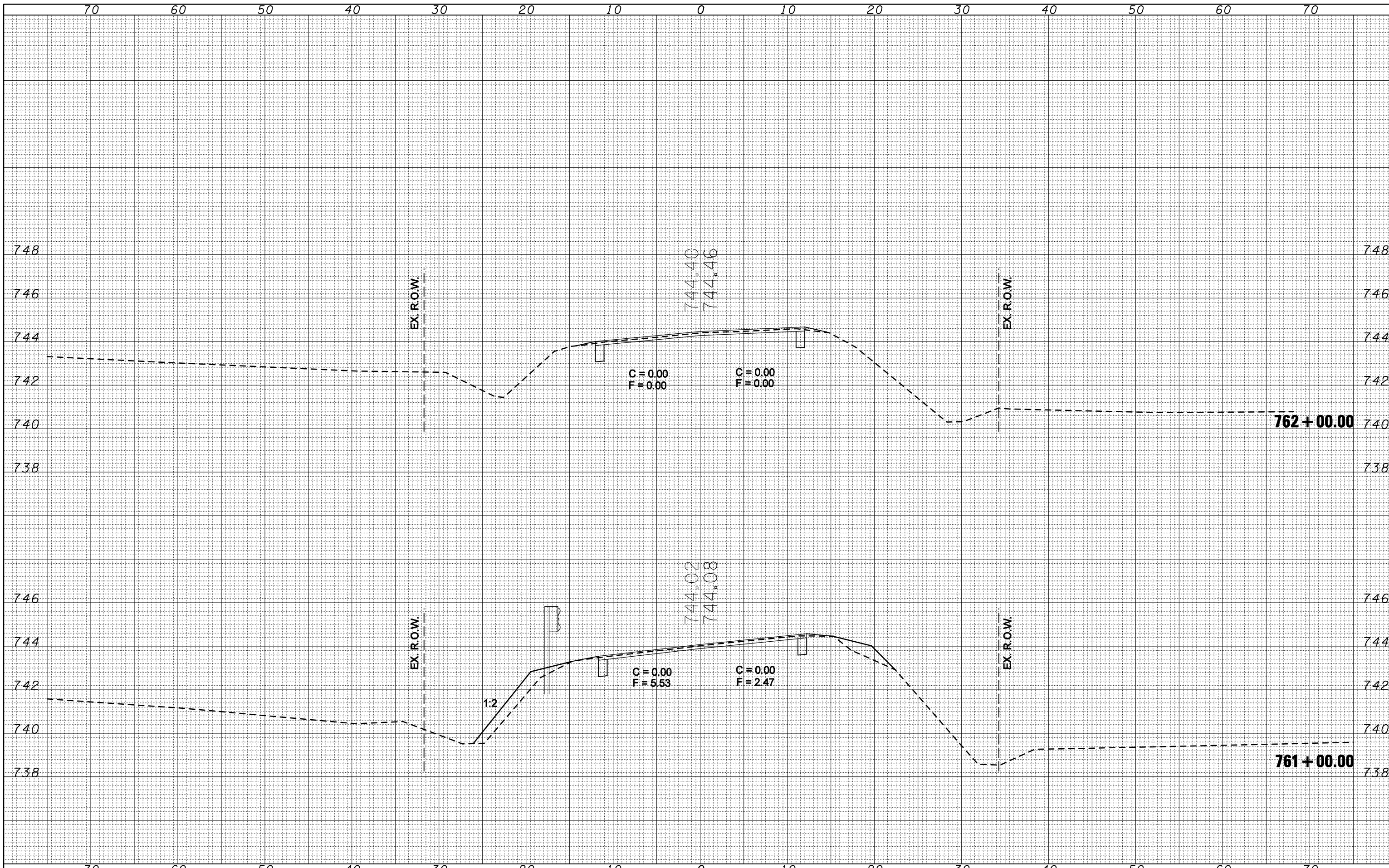
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**  
 SCALE: SHEET NO. OF SHEETS STA. 759+00.00 TO STA. 760+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	91
CONTRACT NO. 70510			ILLINOIS FED. AID PROJECT	

DATE	
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

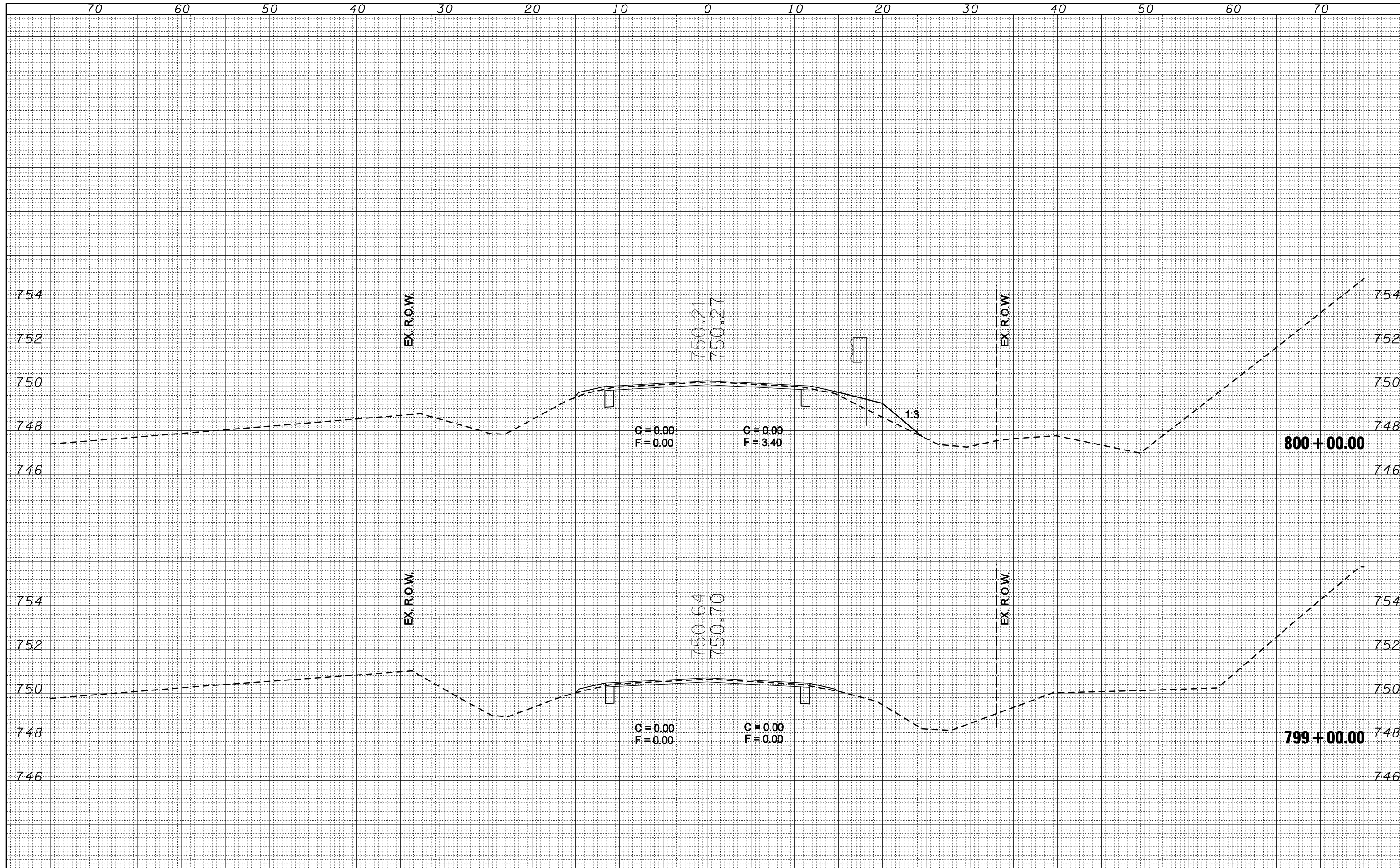
**CROSS SECTIONS**

SCALE: SHEET NO. OF SHEETS STA. 761+00.00 TO STA. 762+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	92
CONTRACT NO. 70510			ILLINOIS FED. AID PROJECT	

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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS CHECKED
	AREAS CHECKED

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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

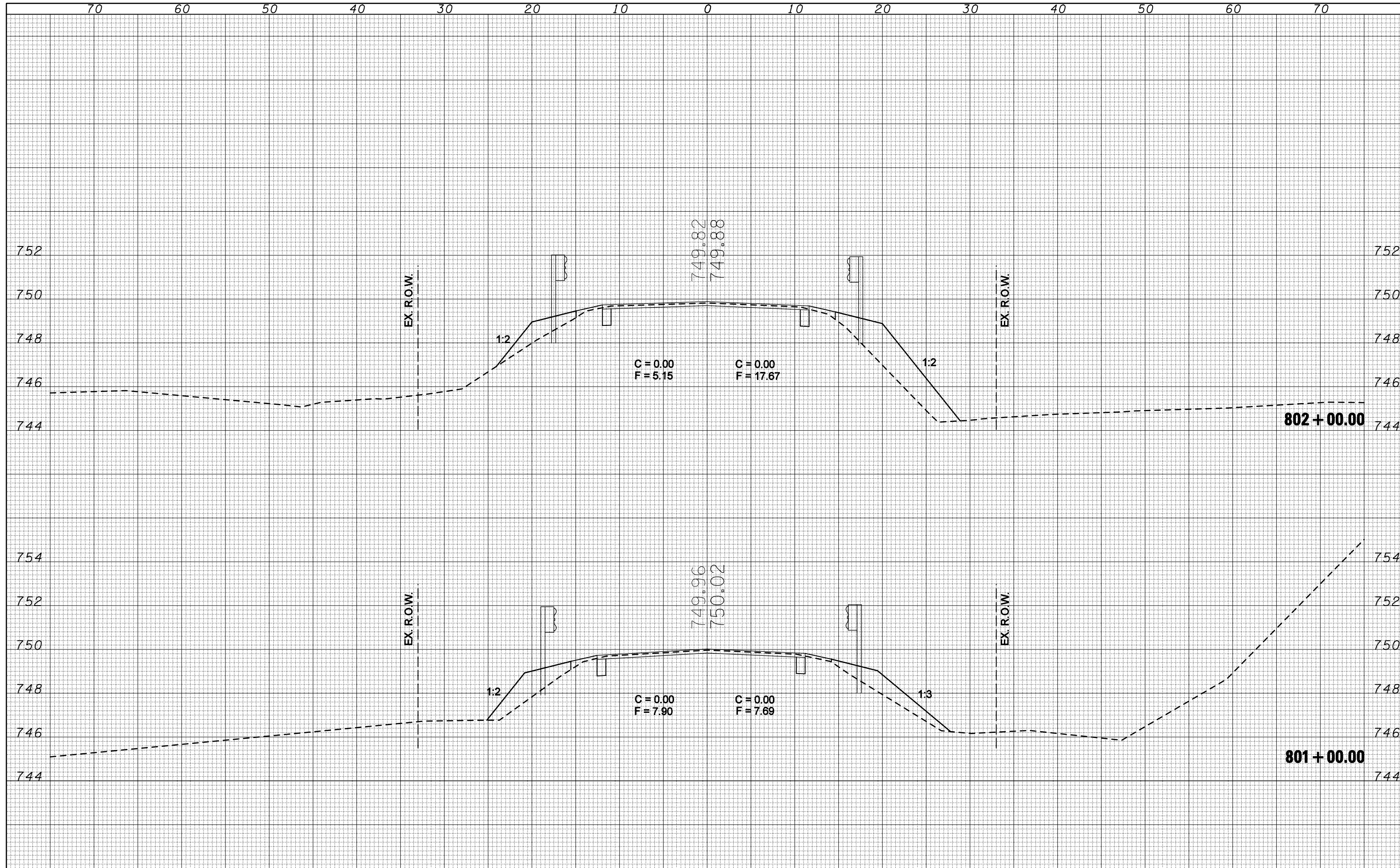
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SCALE: SHEET NO. OF SHEETS STA. 799+00.00 TO STA. 800+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	93
CONTRACT NO.			70510	
ILLINOIS FED. AID PROJECT				

BY	DATE

ORIGINAL SURVEY	NO.



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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

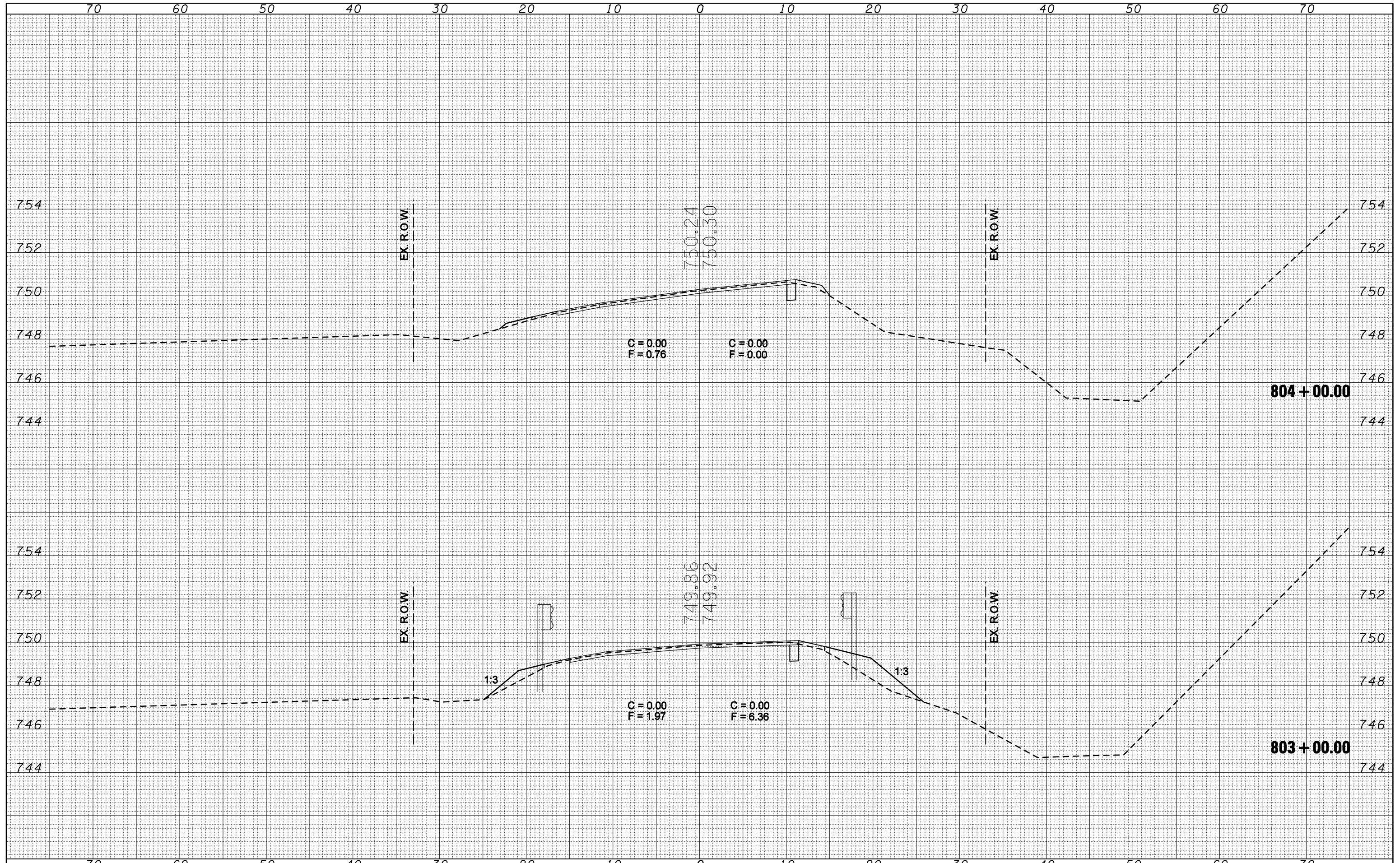
SCALE:	SHEET NO.	OF SHEETS	STA. 801+00.00 TO STA. 802+00.00
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**CROSS SECTIONS**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	94
CONTRACT NO. 70510			ILLINOIS FED. AID PROJECT	

BY	DATE
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NOTE BOOK	PLOTTED
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NOTE BOOK	PLOTTED
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

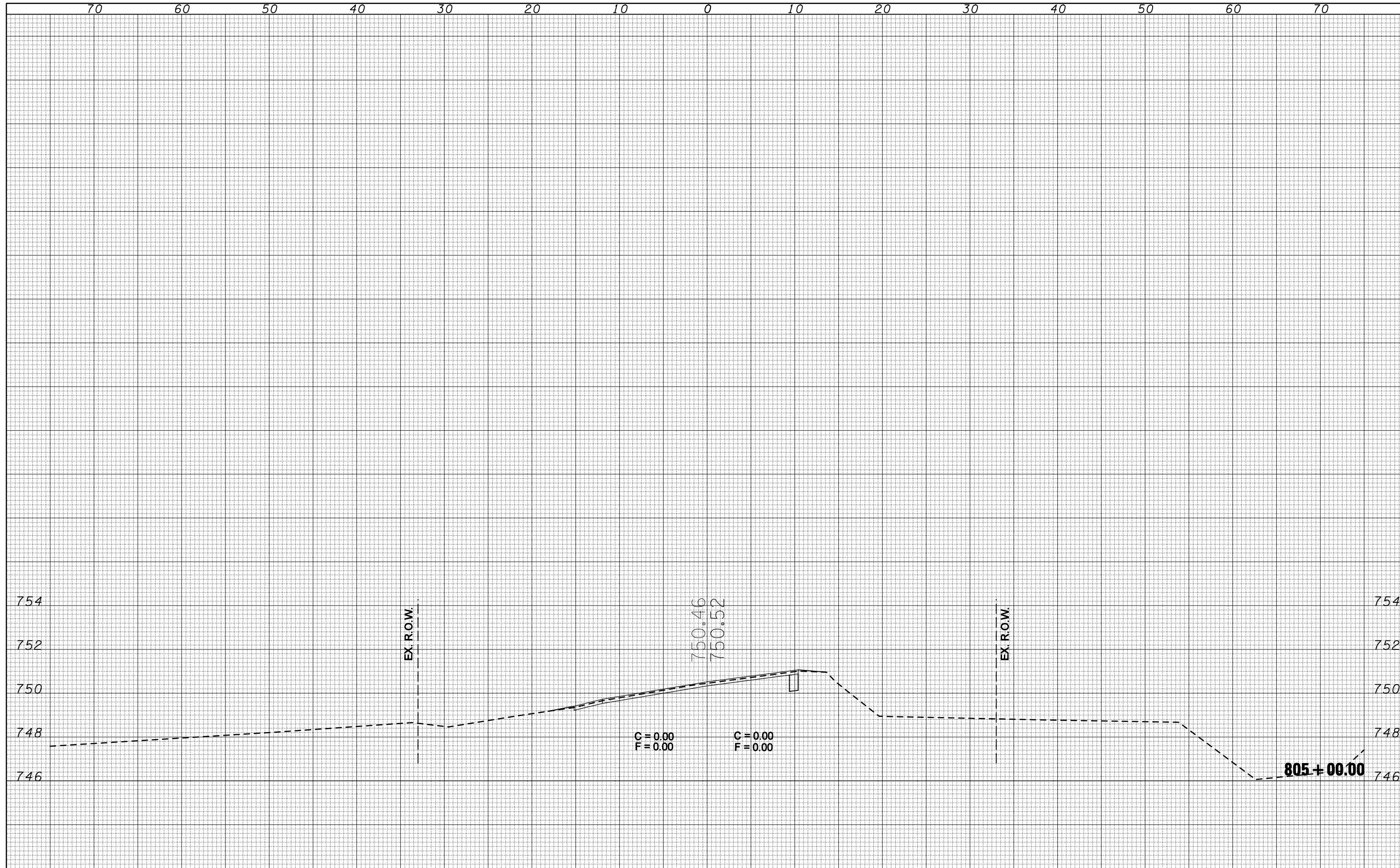
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 803+00.00 TO STA. 804+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	95
CONTRACT NO.			70510	
ILLINOIS FED. AID PROJECT				

DATE	
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FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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	AREAS
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
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PLLOT DATE = 1/13/2010	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE:	SHEET NO.	OF	SHEETS	STA. 805+00.00	TO STA. 805+00.00
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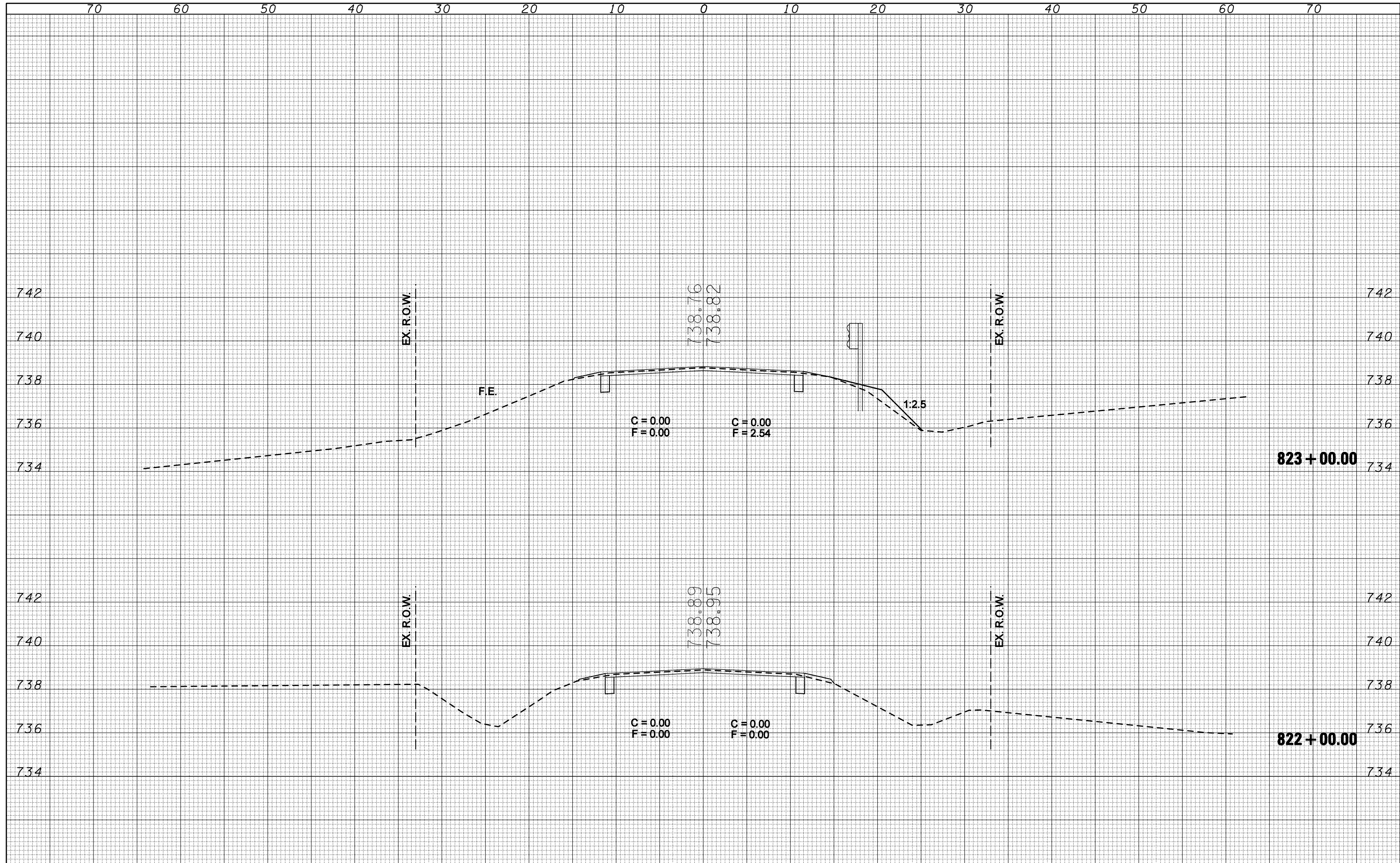
**CROSS SECTIONS**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	96
CONTRACT NO.			70510	
ILLINOIS FED. AID PROJECT				



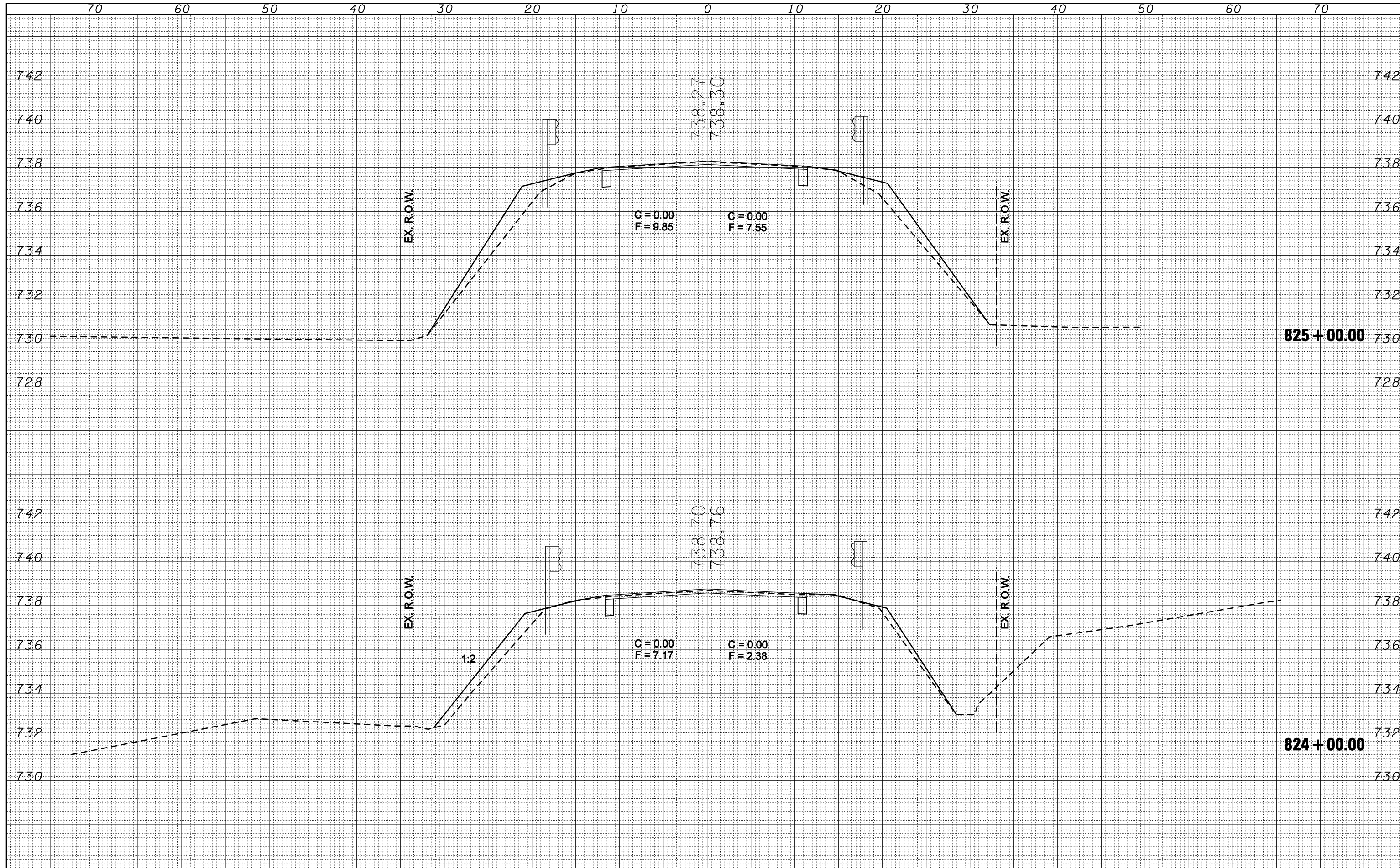
BY	DATE
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NOTE BOOK	PLOTTED
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BY	DATE
ORIGINAL SURVEY	SURVEYED
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FINAL SURVEY	SURVEYED
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**STATE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

**CROSS SECTIONS**

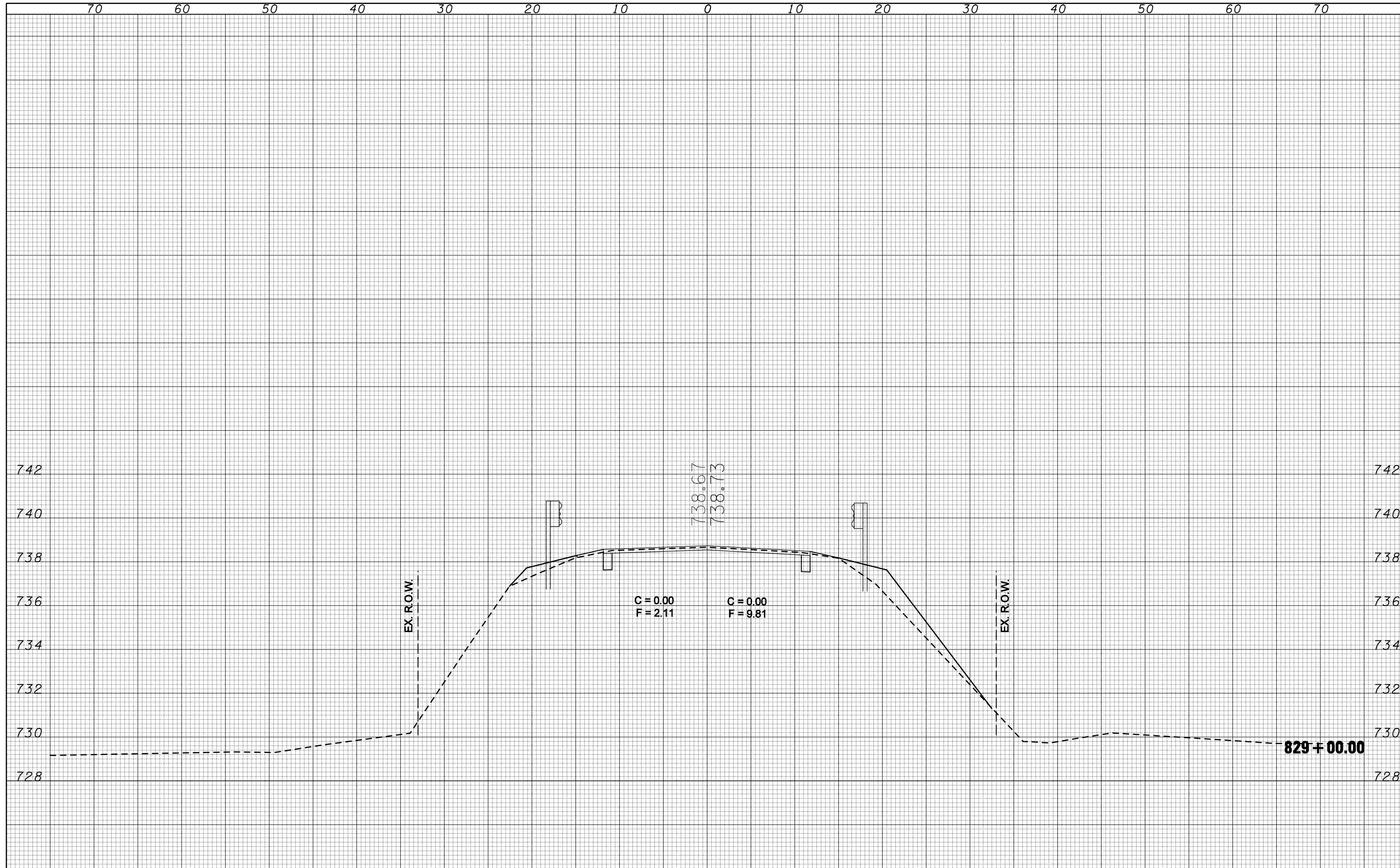
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	98
CONTRACT NO.			70510	

ILLINOIS FED. AID PROJECT

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NOTE BOOK	PLOTTED
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

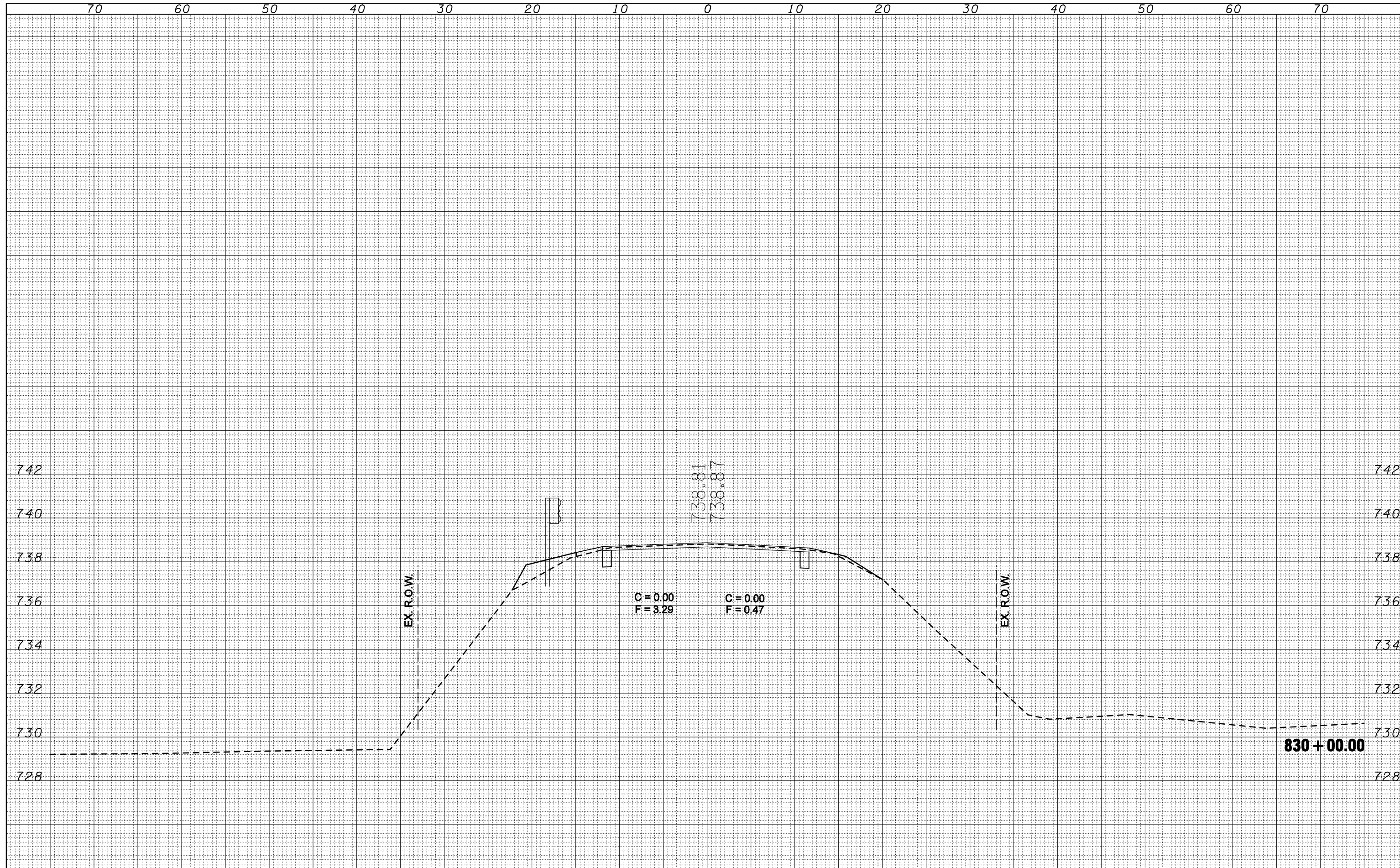
SCALE: SHEET NO. OF SHEETS STA. 829+00.00 TO STA. 829+00.00

**CROSS SECTIONS**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	99
CONTRACT NO. 70510			ILLINOIS FED. AID PROJECT	

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

SCALE: SHEET NO. OF SHEETS STA. 830+00.00 TO STA. 830+00.00

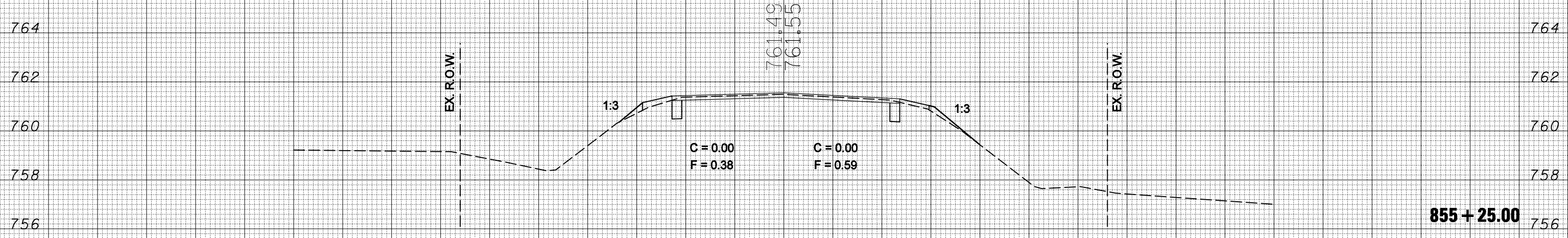
**CROSS SECTIONS**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 70510			ILLINOIS FED. AID PROJECT	

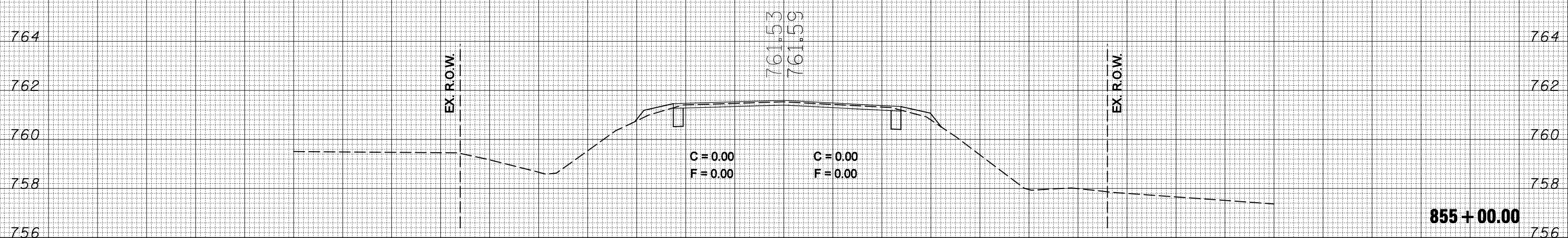


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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

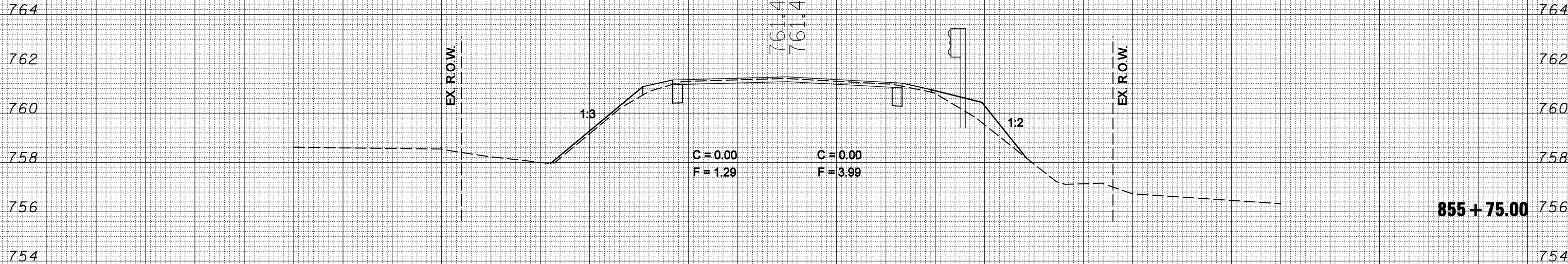
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 855+00.00 TO STA. 855+25.00

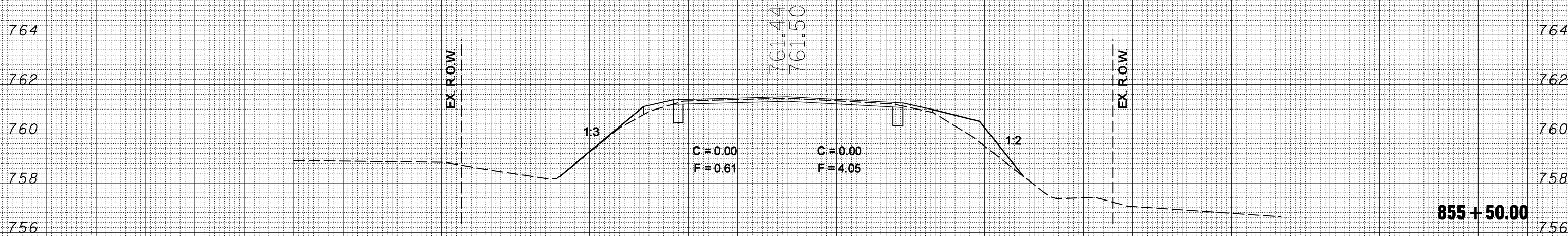
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PLOT DATE = 1/13/2010		DATE -	REVISED -	ILLINOIS FED. AID PROJECT				

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**STATE OF ILLINOIS  
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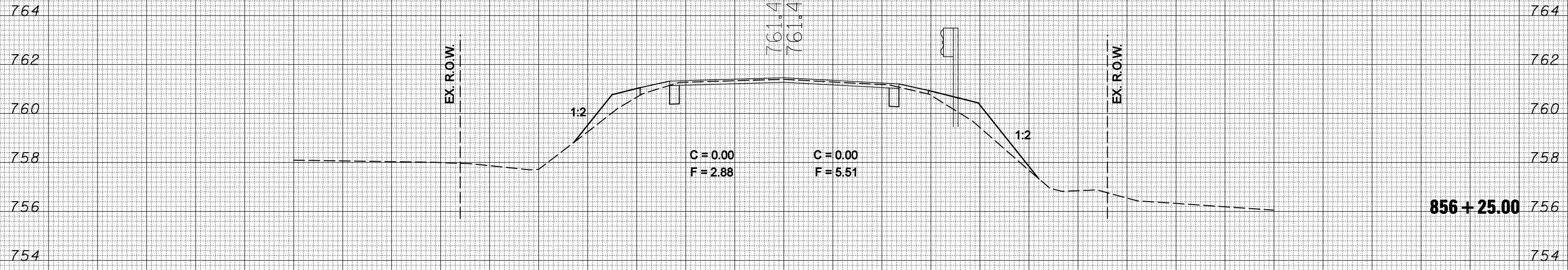
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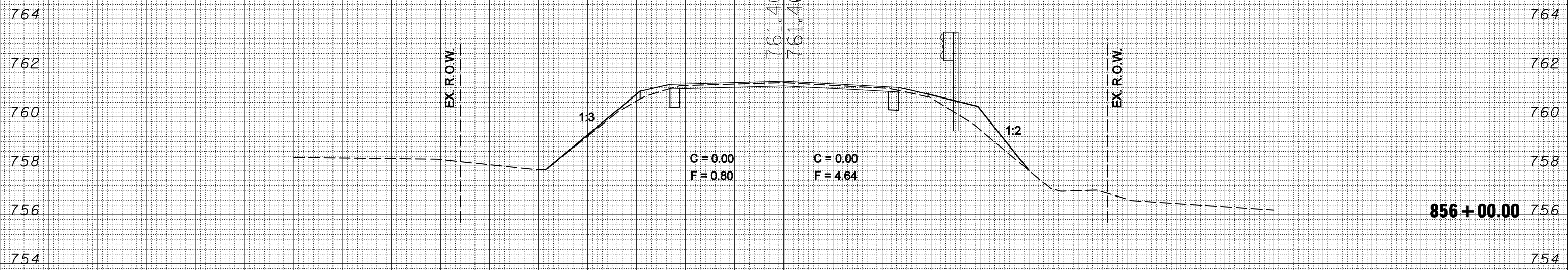
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CONTRACT NO.			70510	

ILLINOIS FED. AID PROJECT

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856 + 25.00



856 + 00.00

70 60 50 40 30 20 10 0 10 20 30 40 50 60 70

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS**

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SCALE: SHEET NO. OF SHEETS STA. 856+00.00 TO STA. 856+25.00

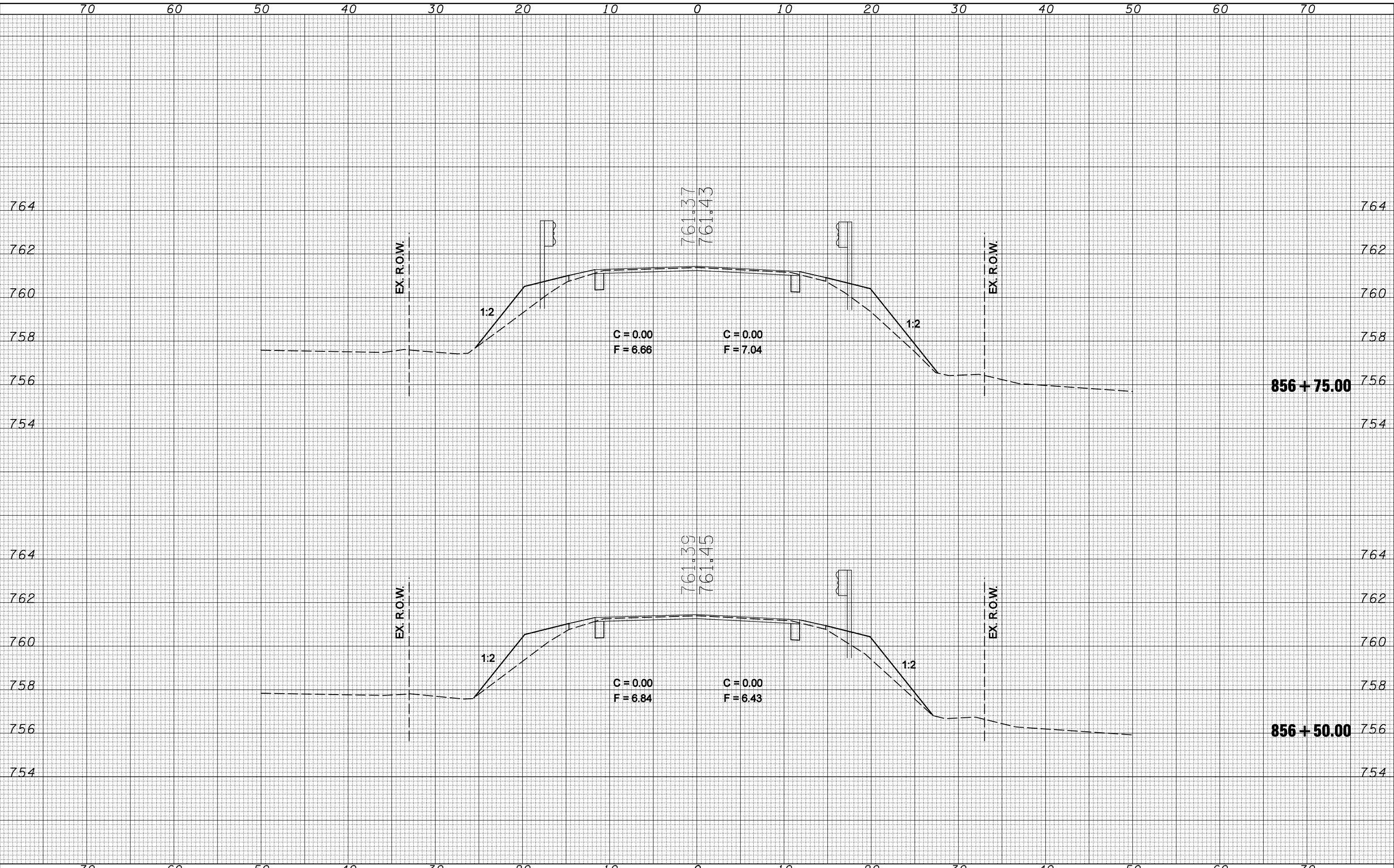
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CONTRACT NO. 70510			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	SURVEYED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED AREAS CHECKED	BY	DATE



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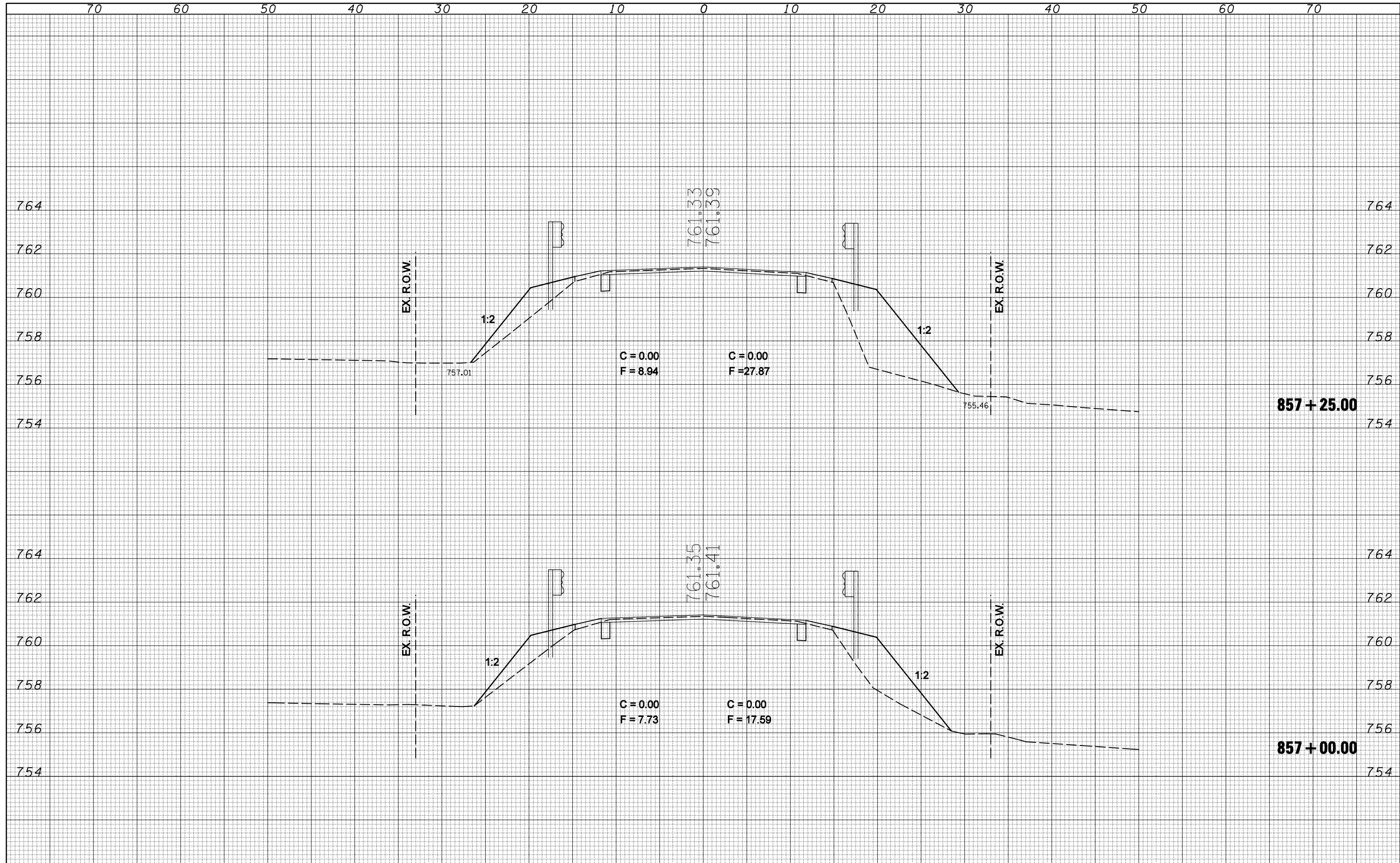


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NOTE BOOK NO.	NO.			

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

**CROSS SECTIONS**

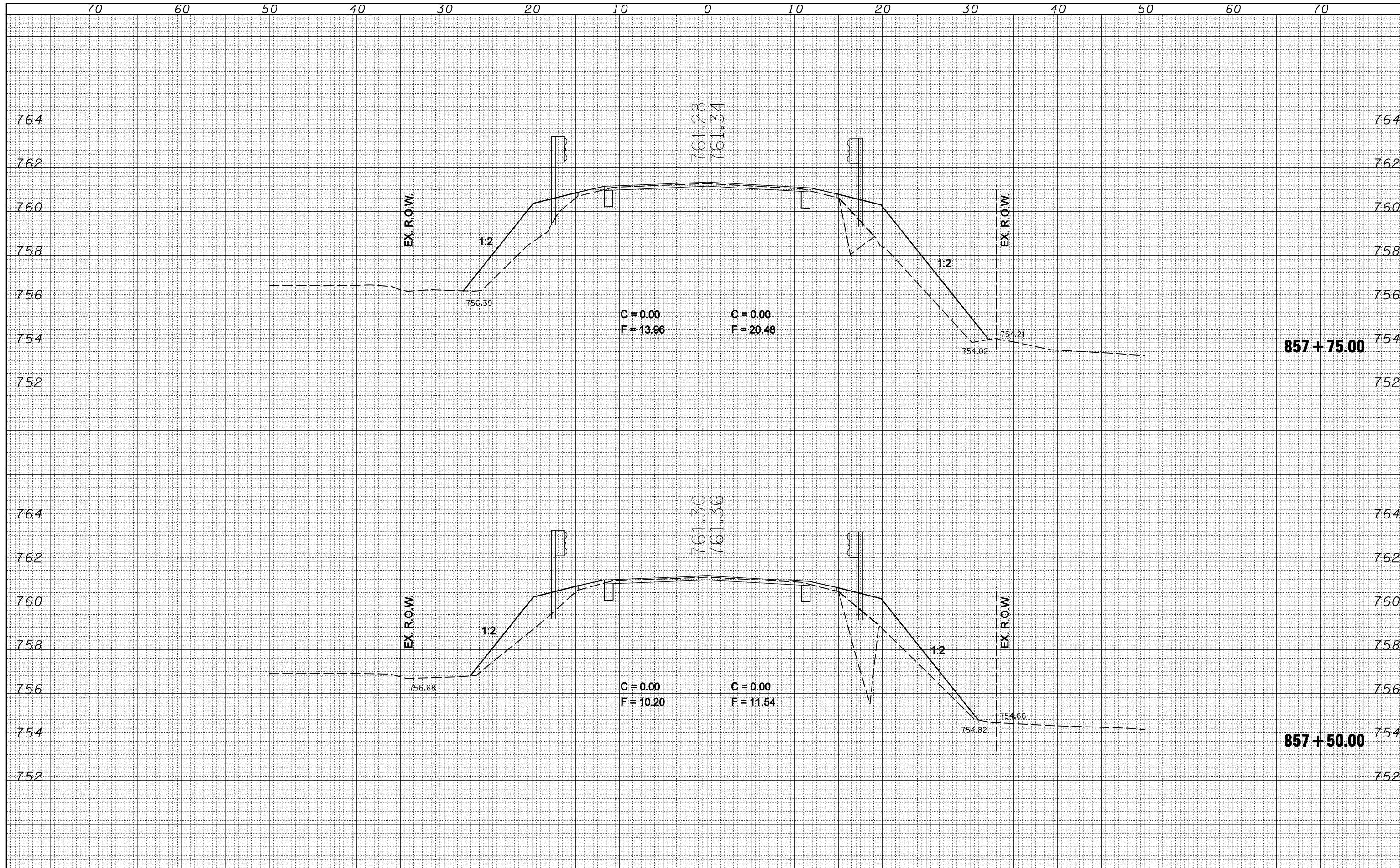
SCALE: SHEET NO. OF SHEETS STA. 857+00.00 TO STA. 857+25.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	106
CONTRACT NO. 70510				

ILLINOIS FED. AID PROJECT

DATE	
BY	
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

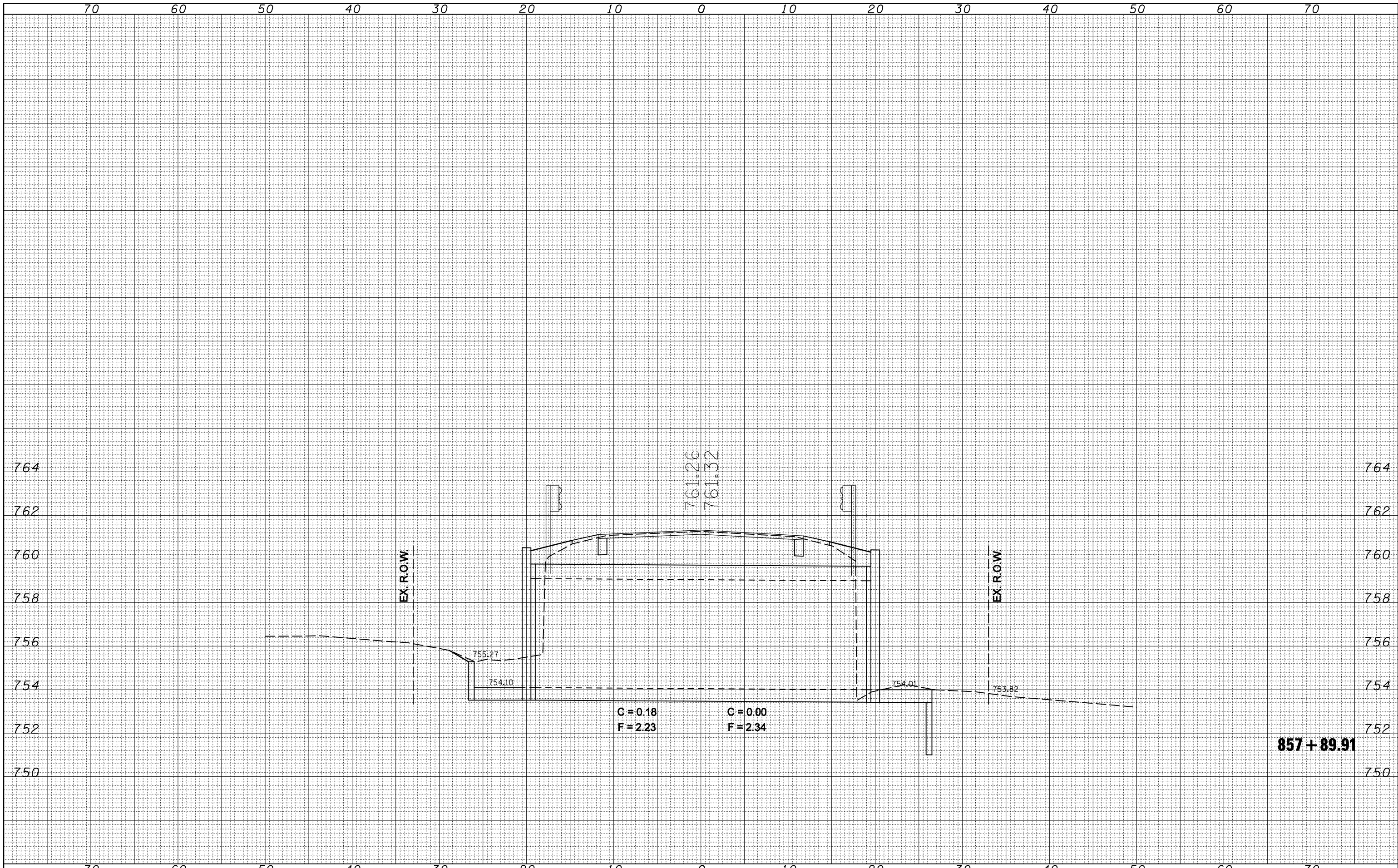
**CROSS SECTIONS**

SCALE: SHEET NO. OF SHEETS STA. 857+50.00 TO STA. 857+75.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	107
CONTRACT NO. 70510			ILLINOIS FED. AID PROJECT	

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

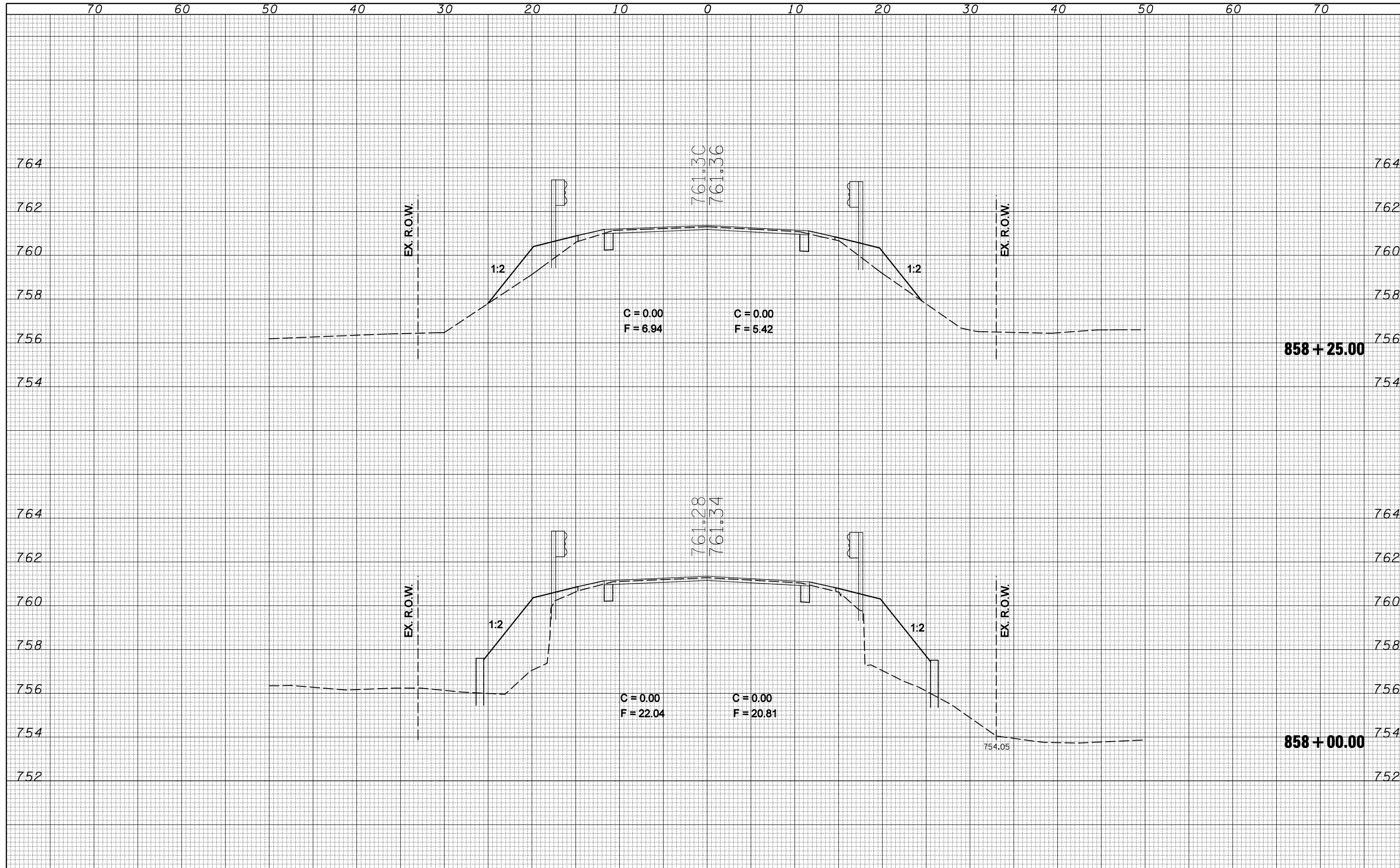
**CROSS SECTIONS**

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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	108
CONTRACT NO.			70510	
ILLINOIS FED. AID PROJECT				

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

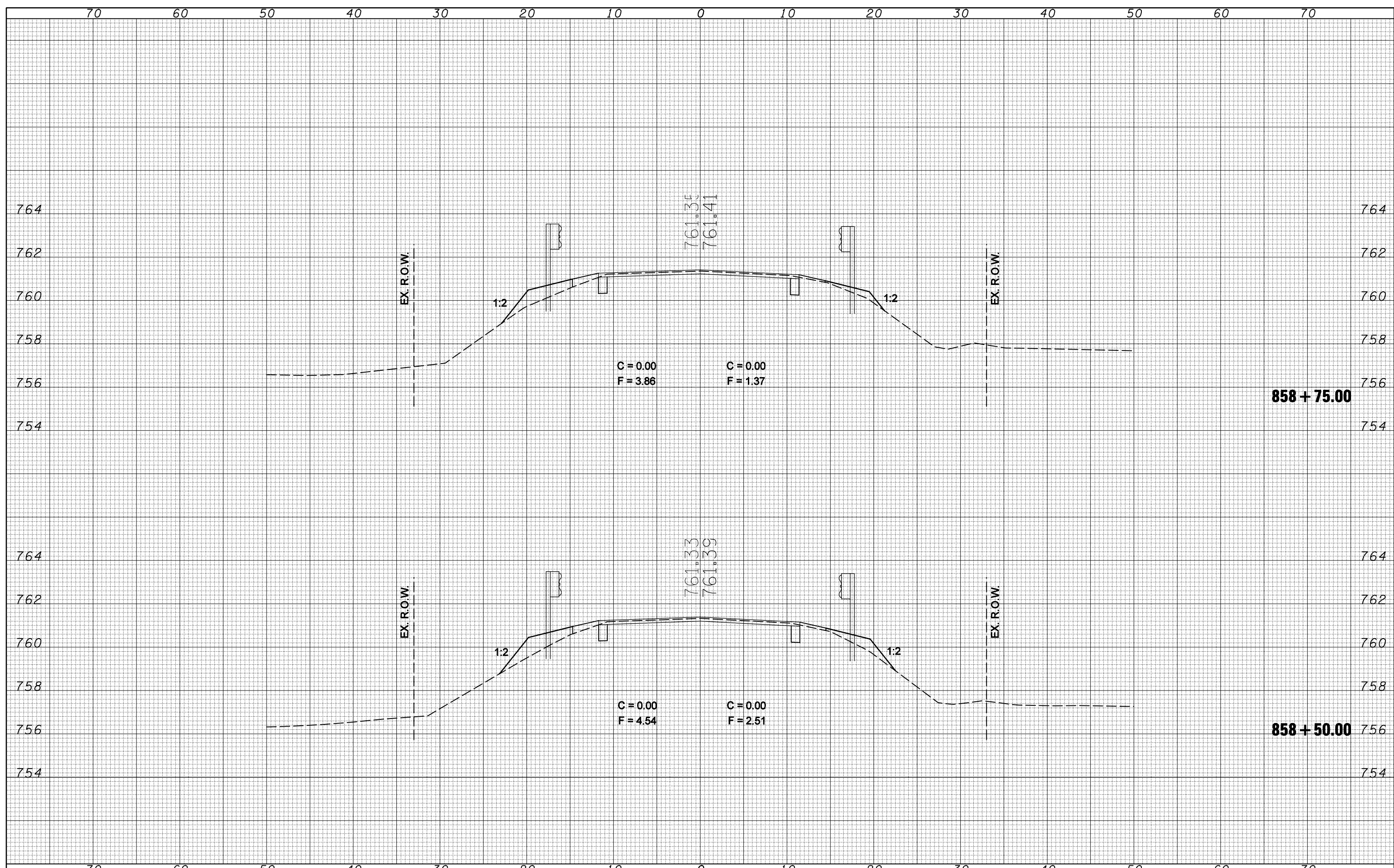
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**CROSS SECTIONS**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	109
CONTRACT NO. 70510			ILLINOIS FED. AID PROJECT	

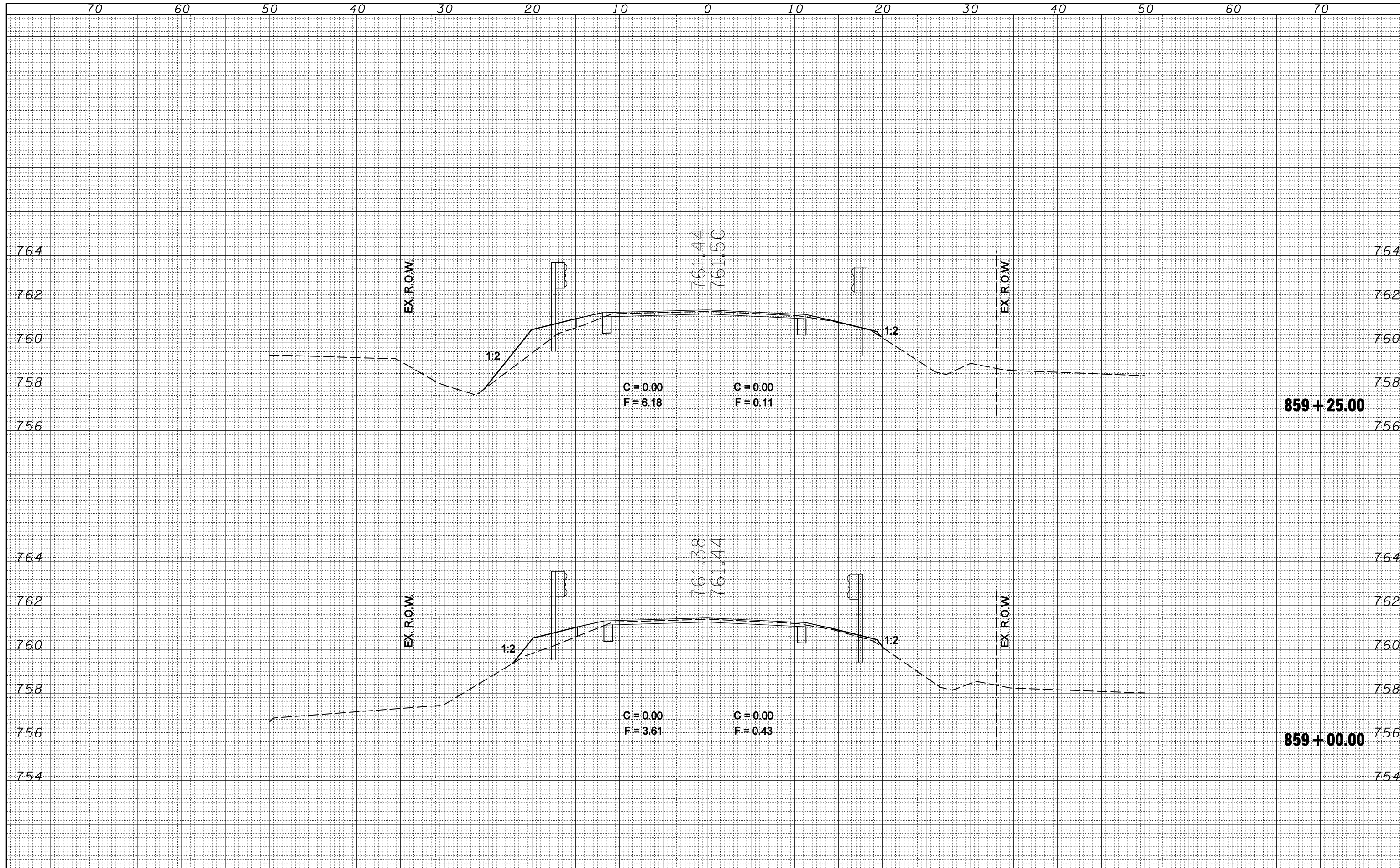
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

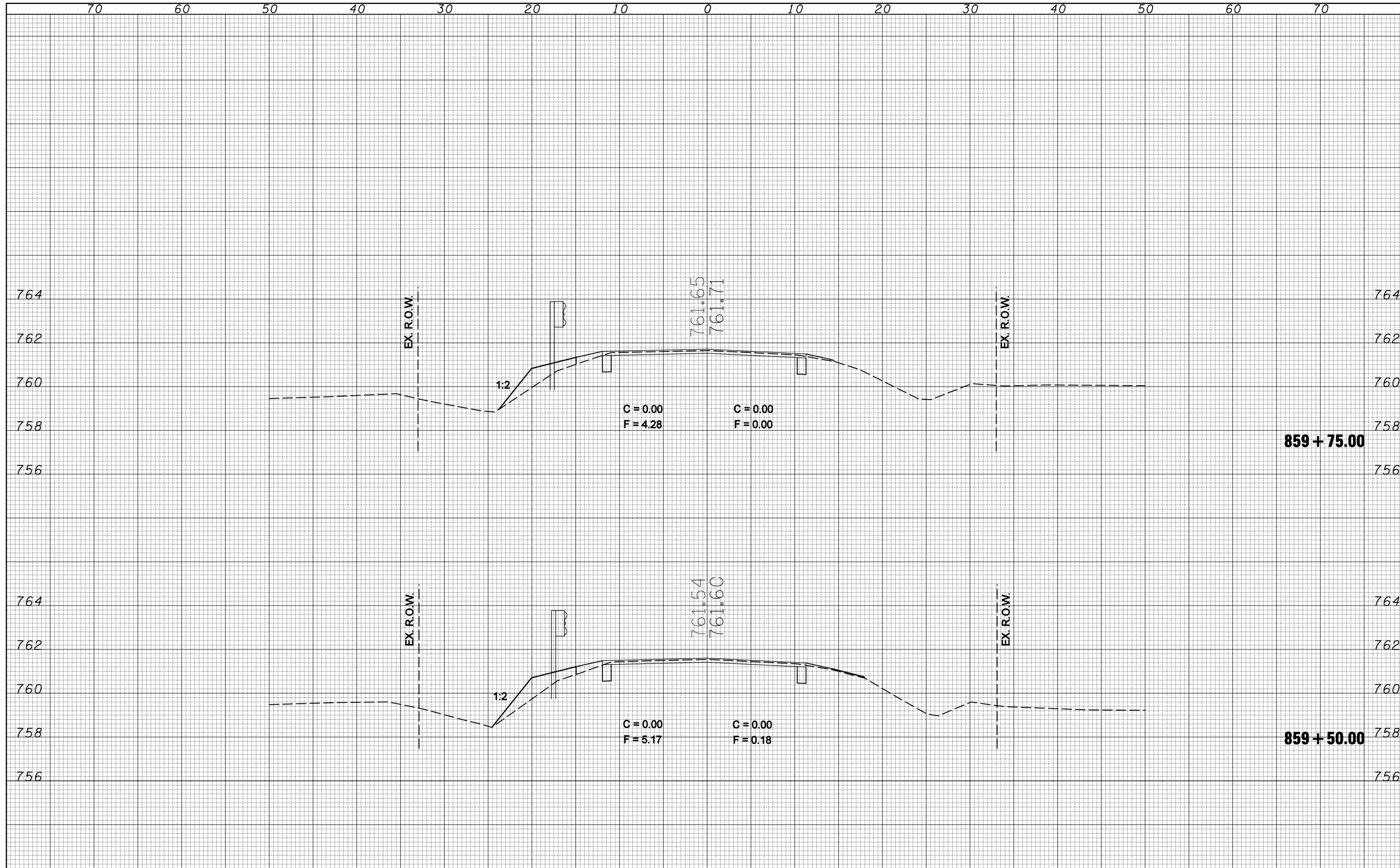
**CROSS SECTIONS**

SCALE: SHEET NO. OF SHEETS STA. 859+00.00 TO STA. 859+25.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	111
CONTRACT NO.			70510	
ILLINOIS FED. AID PROJECT				

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

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



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

SCALE: SHEET NO. OF SHEETS STA. 859+50.00 TO STA. 859+75.00

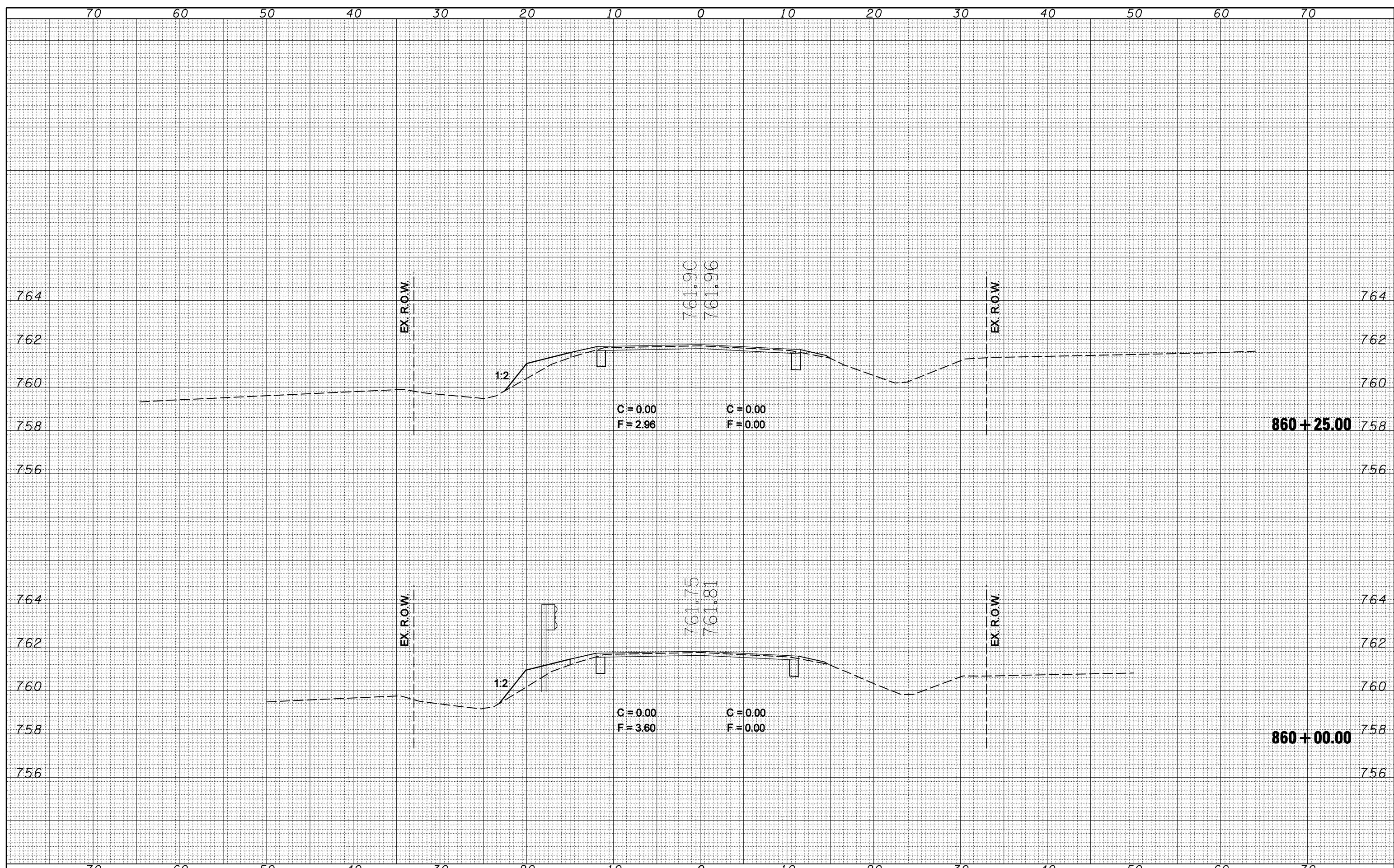
**CROSS SECTIONS**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	112
		CONTRACT NO.	70510	

ILLINOIS FED. AID PROJECT



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



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

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

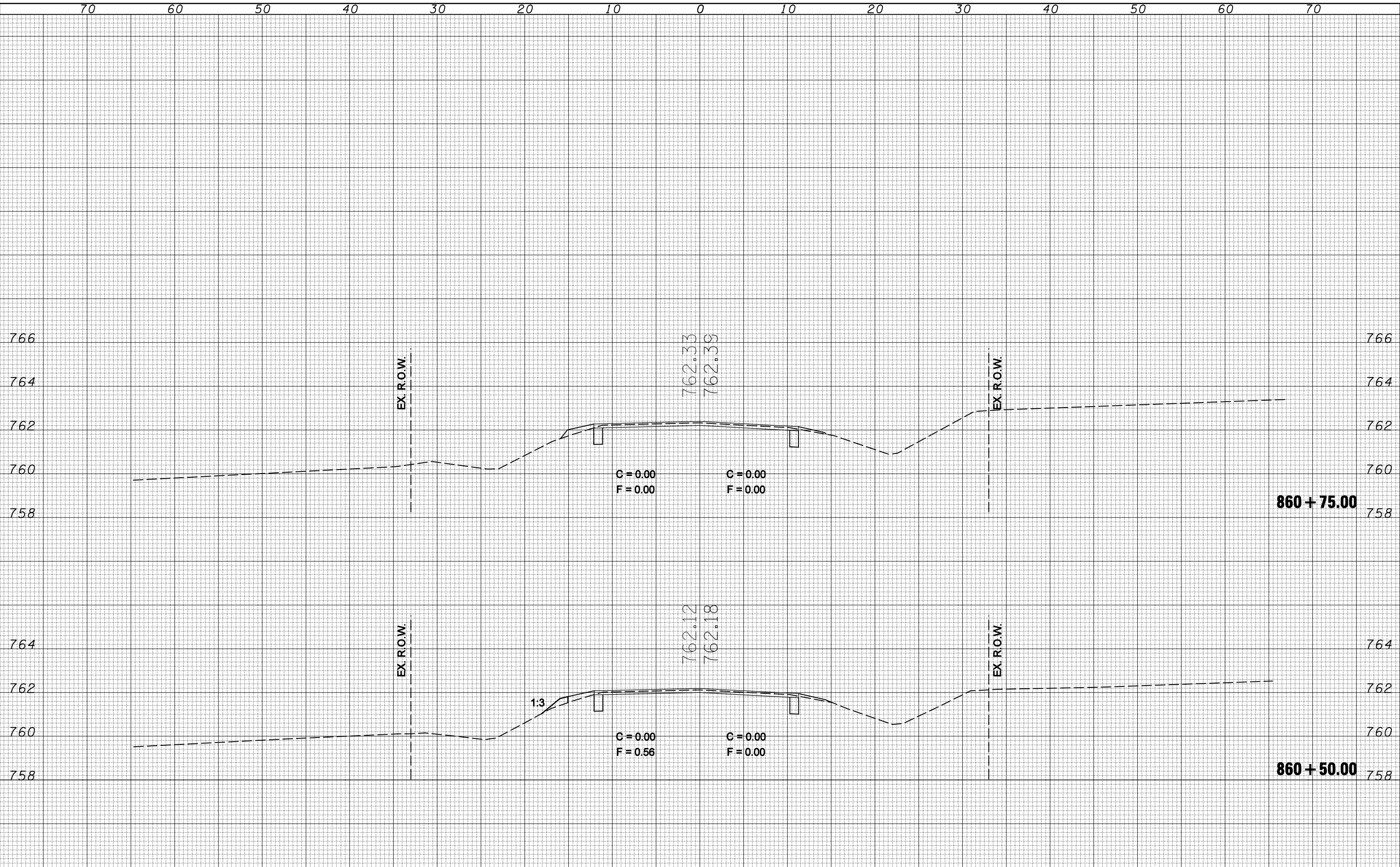
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	113
CONTRACT NO. 70510			ILLINOIS FED. AID PROJECT	

**CROSS SECTIONS**

DATE	BY

DATE	BY



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

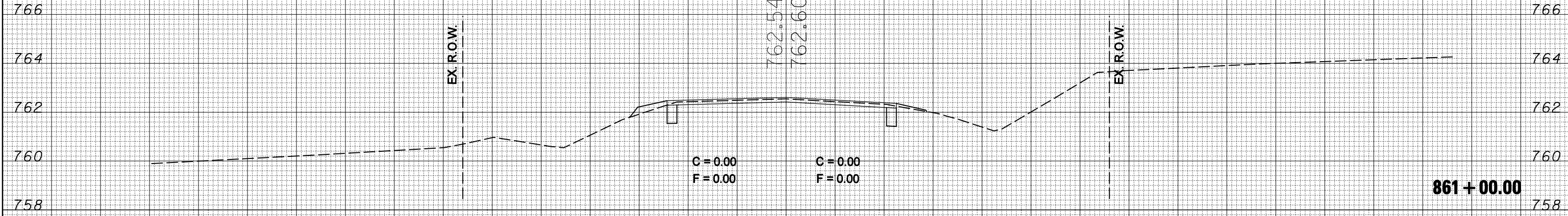
CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 860+50.00 TO STA. 860+75.00

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FINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE

ORIGINAL SURVEY NO.	SURVEYED PLOTTED AREAS CHECKED	BY	DATE



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

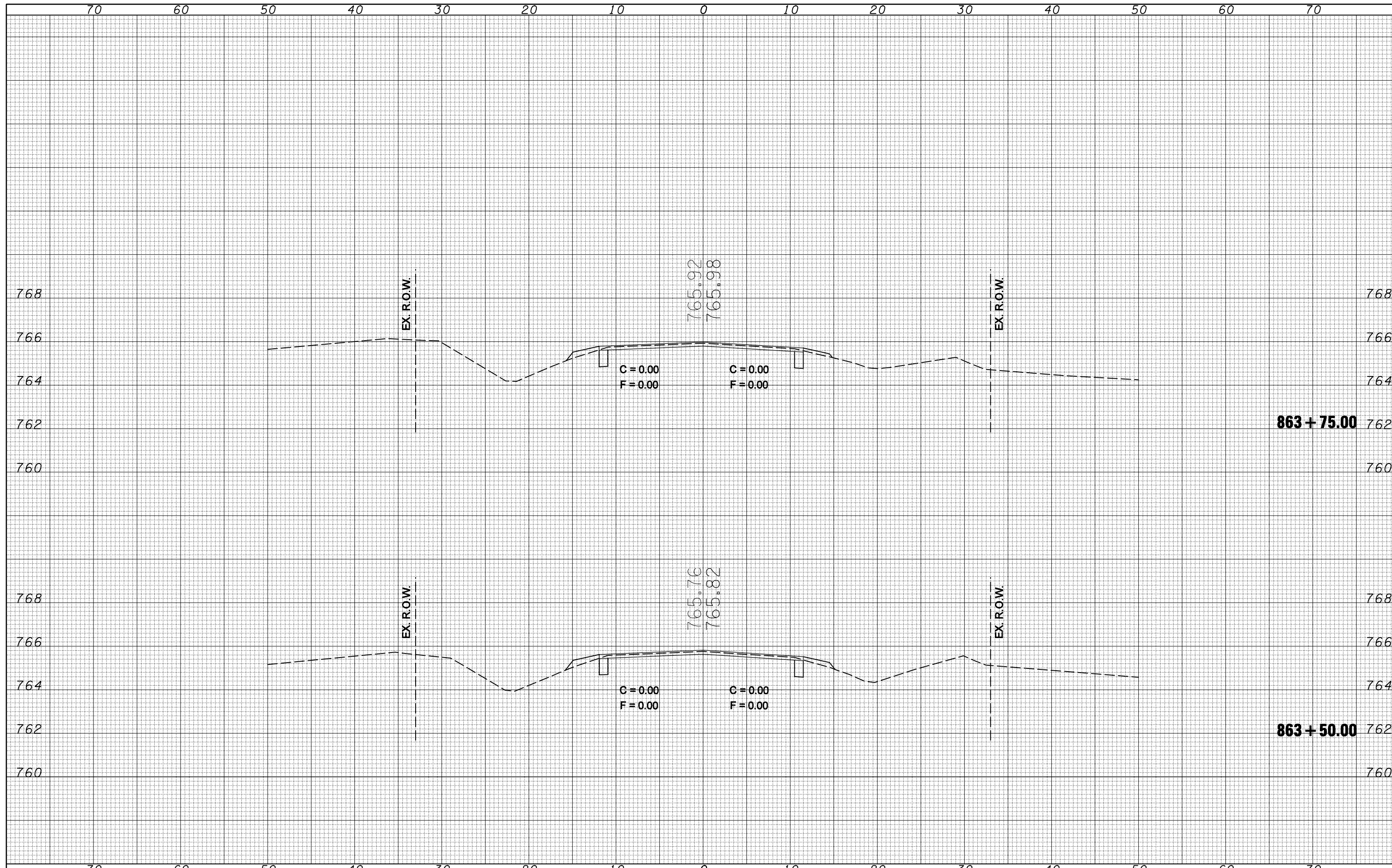
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	MCLEAN	122	115
		CONTRACT NO. 70510		

ILLINOIS FED. AID PROJECT

BY	DATE

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



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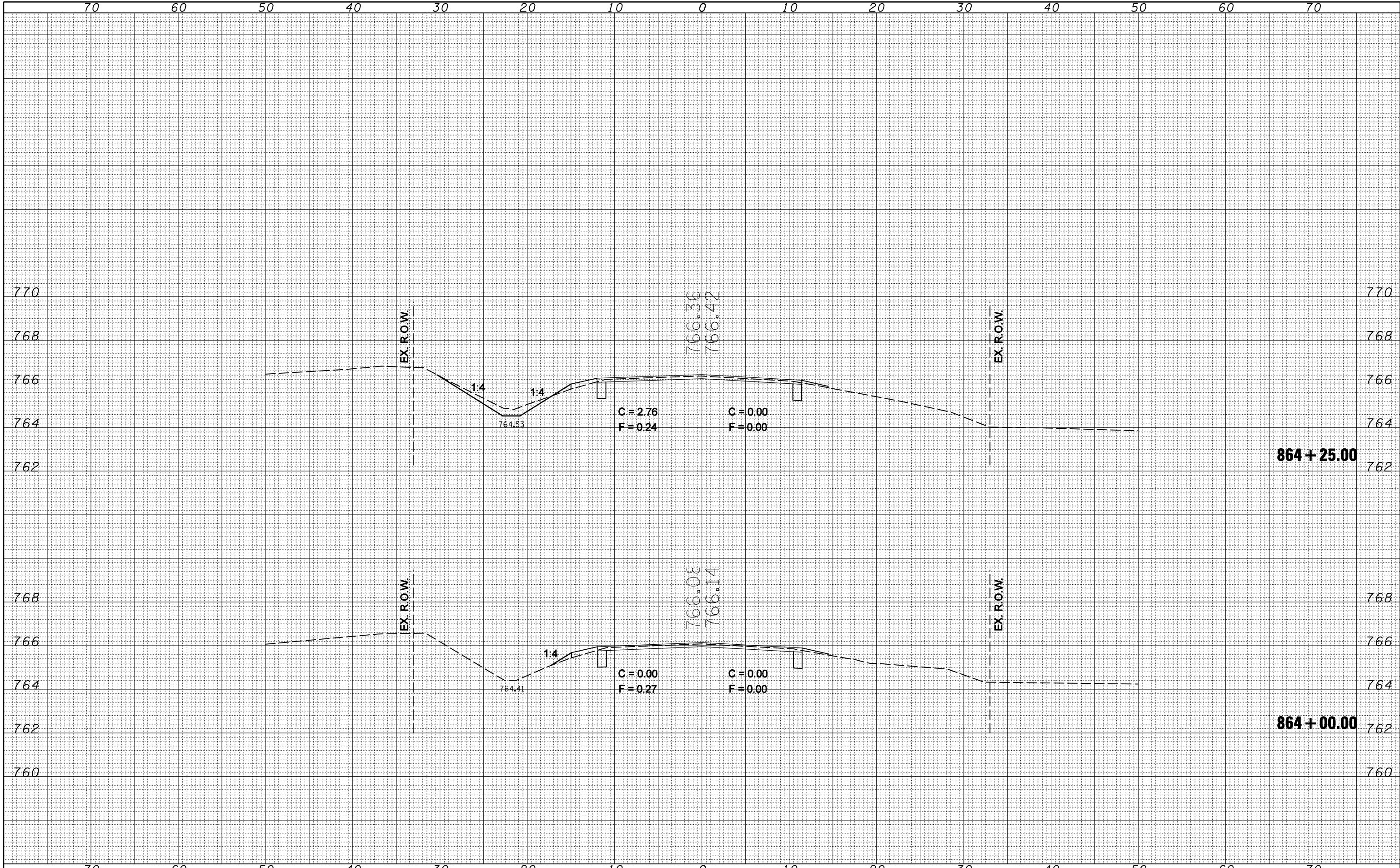
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE:		SHEET NO.	OF	SHEETS	STA. 863+50.00	TO STA. 863+75.00
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F.A.S. RTE. 2484	SECTION (125,126,127)RS-2	COUNTY McLean	TOTAL SHEETS 122	SHEET NO. 116
CONTRACT NO. 70510			ILLINOIS FED. AID PROJECT	

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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PLOT DATE =	1/13/2010

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

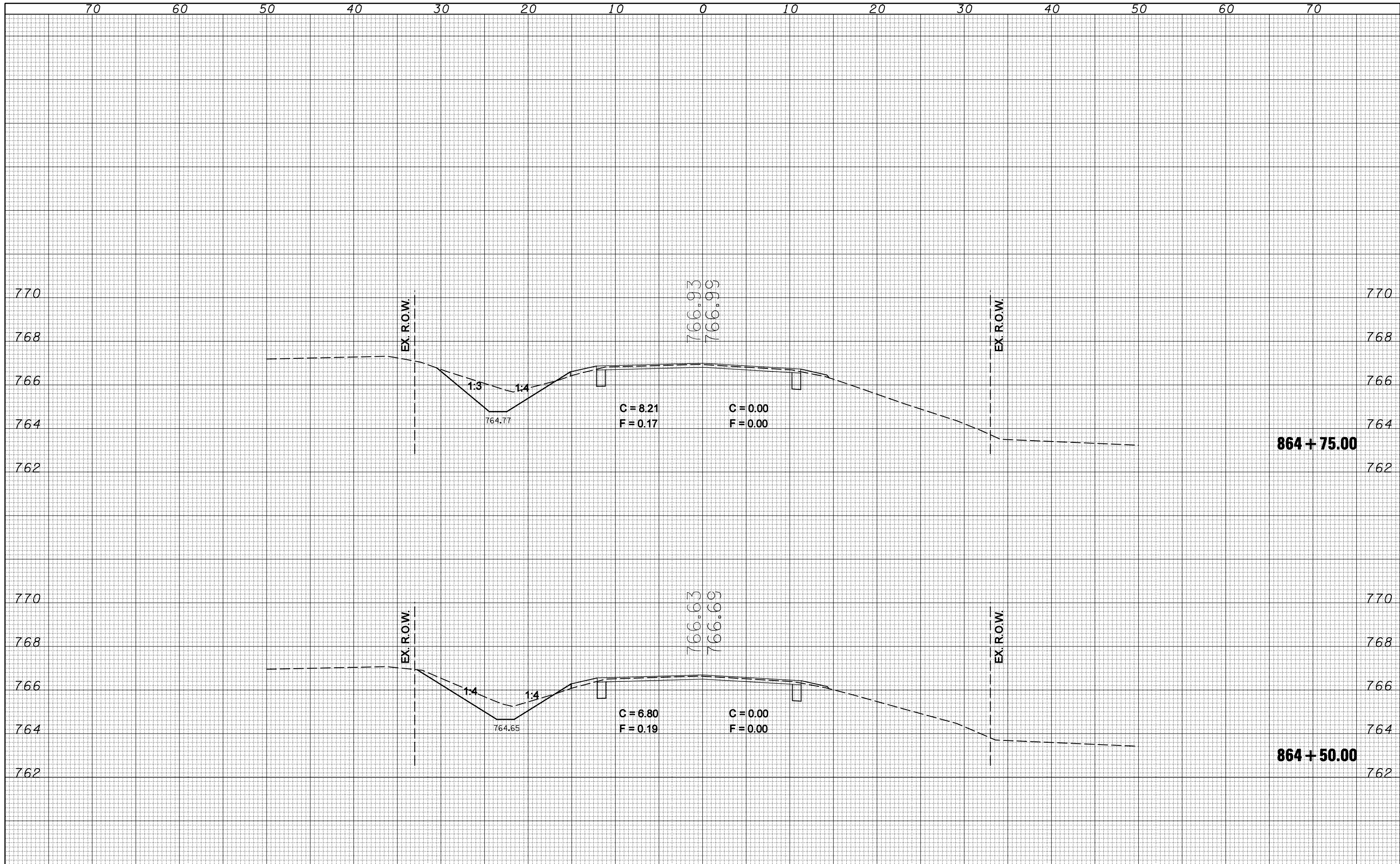
SCALE:	SHEET NO.	OF	SHEETS	STA. 864+00.00	TO STA. 864+25.00
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**CROSS SECTIONS**

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	McLean	122	117
CONTRACT NO.			70510	
ILLINOIS FED. AID PROJECT				

BY	DATE

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



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

SCALE: SHEET NO. OF SHEETS STA. 864+50.00 TO STA. 864+75.00

**CROSS SECTIONS**

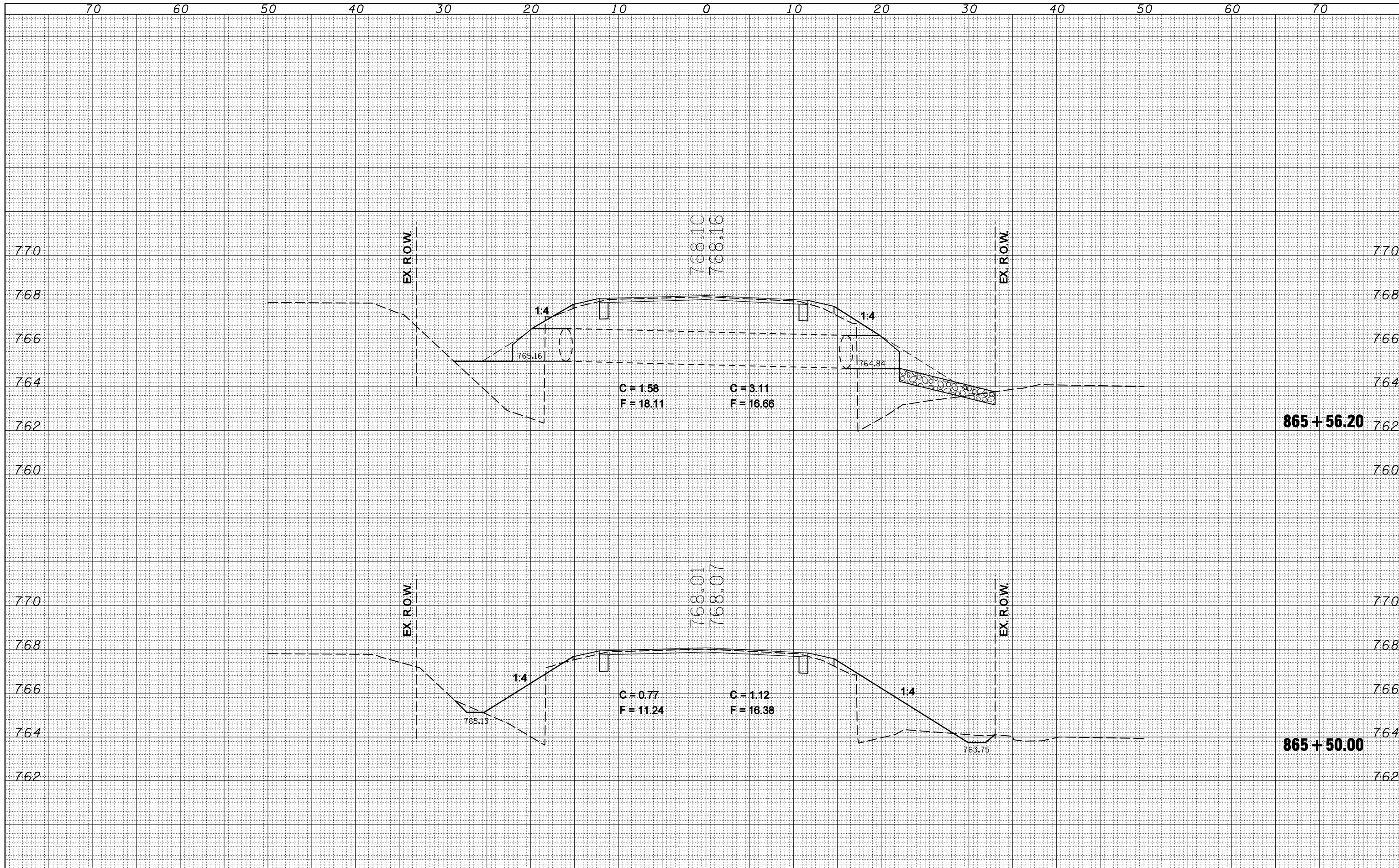
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2484	(125,126,127)RS-2	McLean	122	118

CONTRACT NO. 70510



BY	DATE
FINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED

BY	DATE
ORIGINAL SURVEY NO.	SURVEYED PLOTTED TEMPLATE AREAS CHECKED



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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

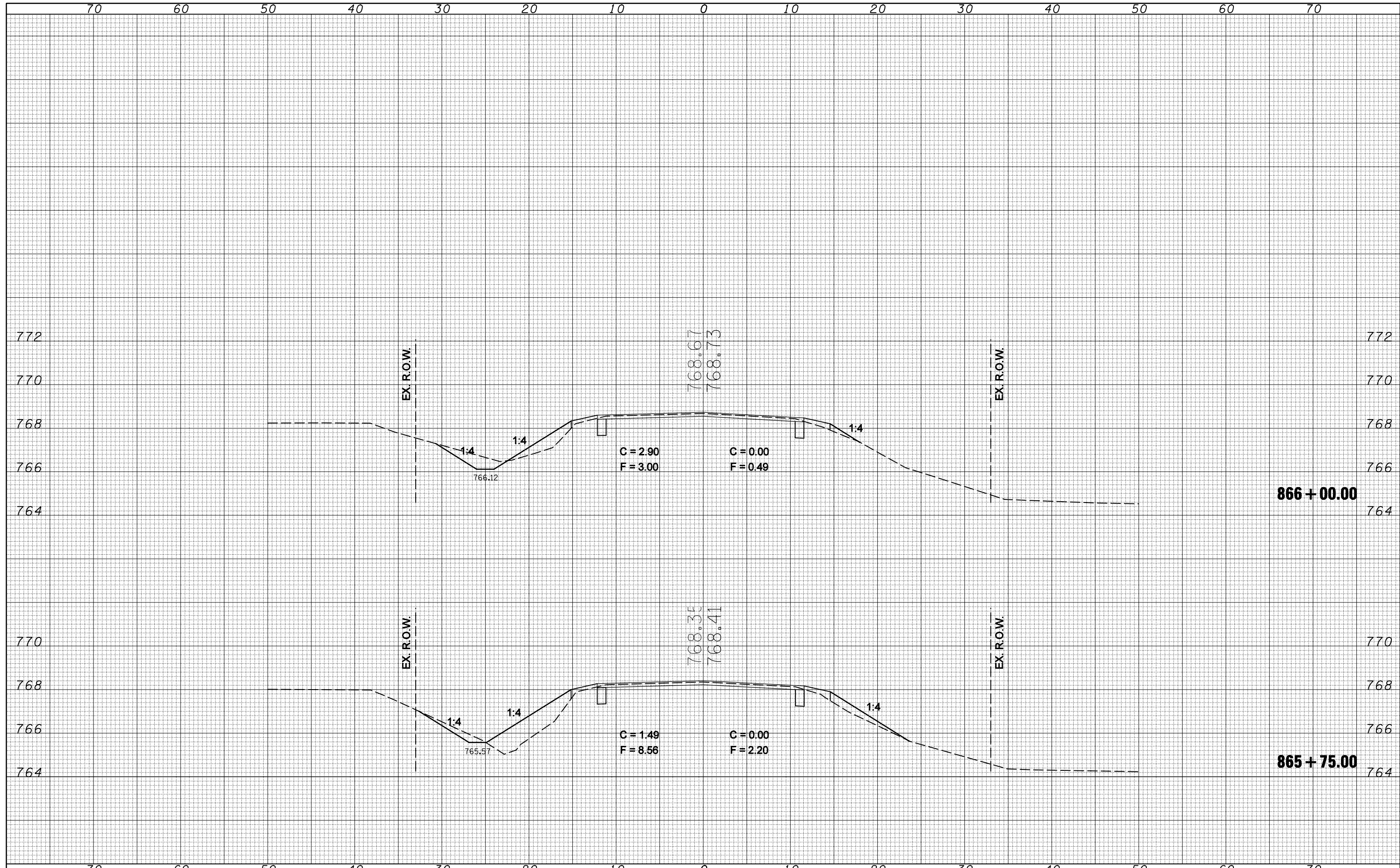
CROSS SECTIONS			
SCALE:	SHEET NO.	OF SHEETS	STA. 865+50.00 TO STA. 865+56.20

F.A.S. RTE. 2484	SECTION (125,126,127)RS-2	COUNTY McLean	TOTAL SHEETS 122	SHEET NO. 120
CONTRACT NO. 70510			ILLINOIS FED. AID PROJECT	



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

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



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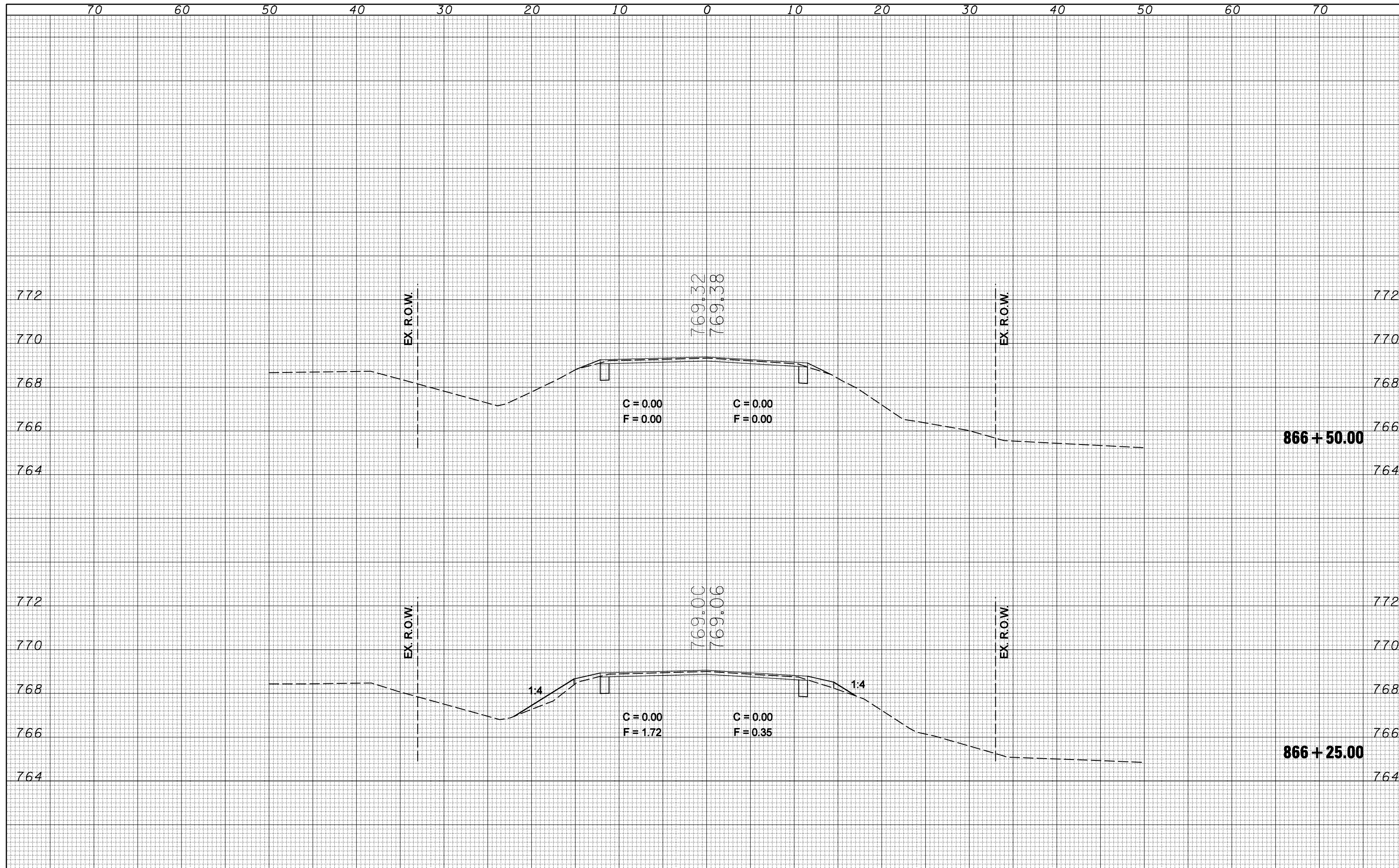
**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS  
 SCALE: SHEET NO. OF SHEETS STA. 865+75.00 TO STA. 866+00.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	McLean	122	121
CONTRACT NO. 70510			ILLINOIS FED. AID PROJECT	

BY	DATE
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED
	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. 866+25.00 TO STA. 866+50.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2484	(125,126,127)RS-2	McLean	122	122
CONTRACT NO. 70510			ILLINOIS FED. AID PROJECT	