

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

FAP ROUTE 869 (IL 34)  
SECTION 105(TS-2,N-1,RS-3,RS-2)  
PROJECT ACF-0869(037)  
SALINE COUNTY

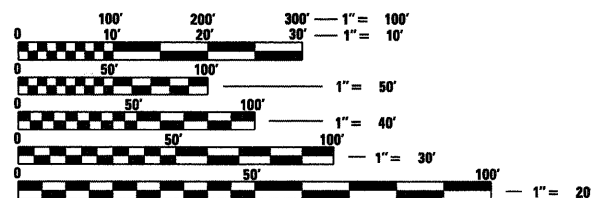
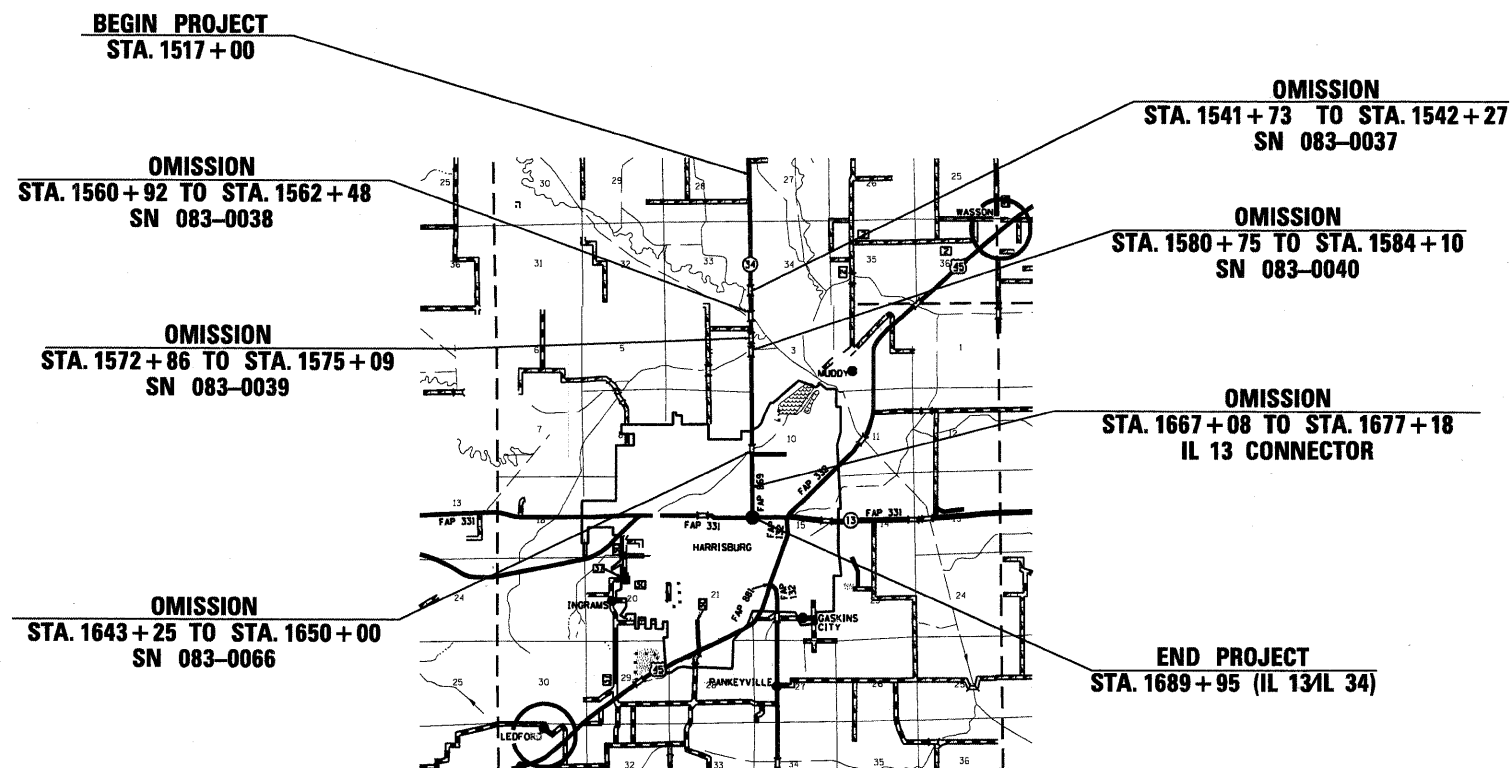
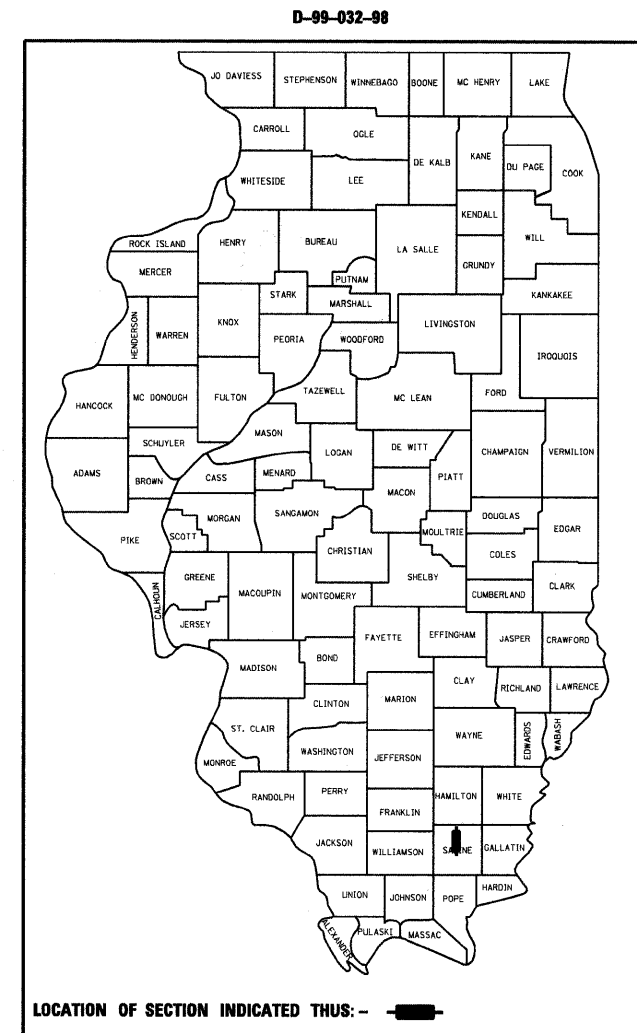
C-99-051-08

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
873	105(TS-2,N-1,RS-3,RS-2)	SALINE	82	1
		ILLINOIS	CONTRACT NO. 78065	

FOR INDEX OF SHEETS, SEE SHEET NO. 3

**TRAFFIC DATA**

IL 34: 2007 ADT = 7,400 WITH 7.8% TRUCKS



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

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

PROJECT ENGINEER: CHARLES STEIN  
DESIGNER: VALERIE ROLLA

CONTRACT NO. 78065

GROSS LENGTH = 17,295 FT (3.28 MILES)  
NET LENGTH = 14,842 FT (2.81 MILES)

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED Oct 13 2009

Mary C. Kamin  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

December 4, 2009  
Charles J. Ingersoll  
ENGINEER OF DESIGN AND ENVIRONMENT

December 4, 2009  
Christine M. Reed  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

Prepared By: Dennis W. Hillebr  
DISTRICT STUDIES & PLANS ENGINEER

Examined By: James Travis Emery  
DISTRICT LAND ACQUISITION ENGINEER

Examined By: Carrie Nela  
DISTRICT PROGRAM DEVELOPMENT ENGINEER

Examined By: Ken Mely  
DISTRICT OPERATIONS ENGINEER

Examined By: Jim Smother  
DISTRICT CONSTRUCTION ENGINEER

Examined By: Bruce W. Peckles  
DISTRICT MATERIALS ENGINEER

Examined By: Jim Smother  
DISTRICT PROJECT IMPLEMENTATION ENGINEER

Examined By: Dennis W. Hillebr  
ASSISTANT REGIONAL ENGINEER

Approved By: Mary C. Kamie  
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

Oct 15 2009  
DATE

FILE NAME =	USER NAME = colemm	DESIGNED -	REVISED -
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	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 10/2/2009	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**SIGNATURE SHEET**

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
869	*	Saline	82	2
ILLINOIS FED. AID PROJECT			CONTRACT NO. 78065	

# INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER SHEET
2	SIGNATURE SHEET
3	INDEX OF SHEETS AND STANDARDS, STRUCTURES WITHIN PROJECT LIMITS, AND MIX DESIGN
4	GENERAL NOTES
5-7	SUMMARY OF QUANTITIES
8-17	TYPICAL SECTIONS
18	RESURFACING SCHEDULE
19	SHOULDER, R. O. W. MARKERS AND SIDEROAD & ENTRANCE SCHEDULES
20	SEEDING AND EROSION CONTROL SCHEDULES
21	EARTHWORK AND GUARDRAIL SCHEDULES
22	PAVEMENT MARKING SCHEDULE
23-25	PLAN PROFILE SHEETS
26	RIGHT OF WAY PLAN
27-29	TEMPORARY EROSION CONTROL PLAN SHEETS
30	GEOMETRICS - SMALL ST.
31-33	PAVEMENT MARKING DETAIL
34	SMALL STREET PAVEMENT MARKING DETAIL
35	STEEL PLATE BEAM GUARDRAIL, SHORT RADIUS DETAIL
36-58	LEVEE DETAILS
59	TEMPORARY HOT-MIX ASPHALT TRANSITIONS, UNEVEN LANES AND ROUGH GROOVED SURFACE SIGN DETAILS
60-82	CROSS SECTIONS HIGHWAY STANDARDS

# MIX DESIGN

Location(s):	Hot-Mix Asphalt Surface Course
Mixture Use(s)	Polymerized Hot-Mix Asphalt Surface Course, Mix D, N105
AC/PG	SBS PG70-22
RAP% (Max):	0
Design Air Voids:	4.0%, 105 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-9.5 mm or IL 12.5 mm
Friction Aggregate:	D Surface
Location(s):	Incidental Hot-Mix Asphalt Surfacing
Mixture Use(s)	Hot-Mix Asphalt Surface Course, Mix C, N90
AC/PG	PG64-22
RAP% (Max):	10
Design Air Voids:	4.0%, 90 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-9.5 mm or IL 12.5 mm
Friction Aggregate:	C Surface
Location(s):	Hot-Mix Asphalt Binder Course (Top Lift)
Mixture Use(s)	Polymerized Hot-Mix Asphalt Binder Course, N105, IL-19.0
AC/PG	SBS PG70-22
RAP% (Max):	0
Design Air Voids:	4.0%, 105 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-19.0
Friction Aggregate:	None
Location(s):	Hot-Mix Asphalt Binder Course (Bottom Lift)
Mixture Use(s)	Hot-Mix Asphalt Binder Course, N90, IL-19.0
AC/PG	PG64-22
RAP% (Max):	10
Design Air Voids:	4.0%, 90 Gyration Design
Mixture Composition: (Gradation Mixture)	IL-19.0
Friction Aggregate:	None
Location(s):	Hot-Mix Asphalt Shoulders
Mixture Use(s)	Hot-Mix Asphalt Shoulders
AC/PG	PG58-22
RAP% (Max):	50
Design Air Voids:	2.0%, 30 Gyration Design
Mixture Composition: (Gradation Mixture)	HMA Shoulders
Friction Aggregate:	None

# STANDARDS

000001-05	635011-02
001006	666001-01
280001-05	701101-02
442201-03	701201-03
482001-02	701306-02
482011-03	701316-04
606001-04	701326-03
630001-08	701501-05
631011-06	701901-01
631026-05	780001-02
631031-08	781001-03
631033-03	886001-01
635001-01	886006-01
635006-03	862001-01

# STRUCTURES WITHIN PROJECT LIMITS

STRUCTURE NO.	OPERATING RATING	INVENTORY RATING	POSTING	MTD APPROVAL
083-0037	45.5	27.3	NONE	LOADED
083-0038	18.4	11.0	NONE	UNLOADED
083-0039	42.7	25.6	NONE	LOADED
083-0040	37.8	22.6	NONE	LOADED
083-0066	41.5	24.9	NONE	LOADED

# GENERAL NOTES

THE THICKNESS OF THE HOT-MIX ASPHALT MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HOT-MIX ASPHALT MIXTURE IS PLACED.

FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES.

ALL HOT-MIX ASPHALT	2.016 TON/CU YD
ALL AGGREGATE	2.05 TON/CU YD
HOT-MIX ASPHALT MATERIALS:	
ON PAVEMENT	0.09 GAL/SQ YD
ON AGGREGATE	0.32 GAL/SQ YD
AGGREGATE (PRIME COAT)	0.0015 TON/SQ YD
MIXTURE FOR CRACKS, JOINTS, AND FLANGEWAYS	2 TON/MILE

UNLESS OTHERWISE DIRECTED BY THE ENGINEER, RESURFACING SHALL BE PLACED IN A SEQUENCE THAT WILL MINIMIZE THE TIME THE CENTERLINE EDGE IS EXPOSED TO TRAFFIC. WHEN AT THE END OF A DAY'S OPERATION THE EXPOSED CENTERLINE EDGE IS GREATER THAN 2,000 FT., THE CONTRACTOR SHALL BE REQUIRED TO PAVE IN THE ADJACENT LANE ON THE FOLLOWING WORK DAY. PRIOR TO WINTER SHUT DOWN, RESURFACING ON ADJACENT LANES IS TO BE BROUGHT UP TO THE SAME ELEVATION.

THE QUANTITY OF SHORT TERM PAVEMENT MARKING SHOWN IN THE PLANS IS BASED ON ONE APPLICATION EACH FOR THE PRIME COAT, SURFACE COURSE, AND BINDER COURSE.

ANY MIXING OR PLACEMENT OF HOT-MIX ASPHALT MIXTURES OCCURRING PRIOR TO THE TEST STRIP EVALUATION IS AT THE CONTRACTOR'S OWN RISK.

THERE ARE NO AVAILABLE WASTE SITES WITHIN THE PROJECT LIMITS.

QUANTITIES SHOWN IN THE PLANS FOR PATCHING ARE ESTIMATES. THE ACTUAL AMOUNT OF PATCHING REQUIRED SHALL BE DETERMINED BY THE ENGINEER.

THE CONTRACTOR SHALL STAMP STATIONING IN THE HOT-MIX ASPHALT SURFACE AT 300 FT. INTERVALS ALTERNATING SIDES ON THE OUTSIDE EDGE OF PAVEMENT AND AS DIRECTED BY THE ENGINEER. THE STATION SYMBOL STAMPS USED SHALL BE FURNISHED BY THE CONTRACTOR. THEY SHALL BE 5 1/2 IN. TALL OF A DESIGN APPROVED BY THE ENGINEER, AND SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

ATTAINMENT OF PROPER CROWN OR SUPERELEVATION SHALL BE FULLY ACCOMPLISHED WITH THE HOT-MIX ASPHALT SURFACE REMOVAL OR HOT-MIX ASPHALT BINDER COURSE OR LEVELING BINDER, WHEN SPECIFIED.

RECLAIMED ASPHALT PAVEMENT (RAP) WILL NOT BE ALLOWED FOR USE AS AGGREGATE IN AGGREGATE SHOULDERS, TYPE B.

FORMS FOR COMBINATION CONCRETE CURB AND GUTTER SHALL BE OF METAL ONLY, EXCEPT THAT WOOD FORMS MAY BE USED ON SHORT RADIUS CURVES.

TRIM EDGES OF EXISTING HOT-MIX ASPHALT SURFACE FLUSH WITH EXISTING PAVEMENT PRIOR TO CONSTRUCTING NEW BASE COURSE WIDENING.

PRIOR TO PLACEMENT OF THE FINAL PAVEMENT MARKINGS THE RESIDENT ENGINEER SHOULD CONTACT THE BUREAU OF OPERATIONS AND ARRANGE FOR INSPECTION AND APPROVAL OF THE PAVEMENT MARKING LAYOUT.

ALL DETECTOR LOOP CORNERS SHALL BE CORE DRILLED 2 IN. MINIMUM DIAMETER EXCEPT THOSE PLACED UNDER RESURFACING. THE DETECTOR LOOP CORNERS PLACED UNDER RESURFACING SHALL BE DIAGONALLY SAWCUT.

THE LOCATION OF THE DETECTOR LOOPS, AS SHOWN ON THE PLANS, MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER OF TRAFFIC OPERATIONS.

ALL DETECTOR LOOPS SHALL BE INSTALLED PRIOR TO RESURFACING.

THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF TRAFFIC OPERATIONS 72 HOURS PRIOR TO THE SHUT-DOWN OR CUTTING OF EXISTING DETECTOR LOOPS.

IN ADDITION TO THE REQUIREMENTS OF ARTICLE 107.16 THE CONTRACTOR SHALL PROTECT THE SURFACE OF ALL BRIDGE DECKS AND BRIDGE APPROACH PAVEMENTS IN A MANNER SATISFACTORY TO THE ENGINEER BEFORE ANY EQUIPMENT IS ALLOWED TO CROSS THE STRUCTURE. PROTECTION SHALL BE PROVIDED FOR ALL EQUIPMENT AS DEFINED IN ARTICLE 101.17 REGARDLESS IF TRACK MOUNTED OR WHEELED.

WHEN A PAVEMENT DROP-OFF IS TO REMAIN ADJACENT TO A LIVE TRAFFIC LANE, BARRICADES WITH PIPE EXTENSIONS SHALL BE USED TO ACHIEVE THE CORRECT ELEVATION.

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES AND COMMITMENTS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILEL#		DRAWN -	REVISED -		SCALE: NONE	SHEET NO. 1	OF 1	SHEETS	STA.	TO STA.	Saline	82	4
		CHECKED -	REVISED -								CONTRACT NO. 78065		
		PLOT SCALE = #SCALE#	REVISED -								ILLINOIS FED. AID PROJECT		
		PLOT DATE = #DATE#	REVISED -							105(ITS-2,N-1,RS-3,RS-2)			

## SUMMARY OF QUANTITIES

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	SALINE CO.		SALINE CO.		SALINE CO.	
				ROADWAY	PARKING LANES	ROADWAY	ROADWAY		
CONSTRUCTION TYPE CODE				URBAN	URBAN	RURAL	RURAL	RURAL	RURAL
				80% FED	80% FED	80% FED	80% FED	80% FED	80% FED
				20% STATE	20% CITY	20% STATE	20% STATE	20% STATE	20% STATE
				I000	I000	I000	I000	I000	I000
X5210500	ANCHOR BOLTS, 7/8"	EACH	16	16					
X0326786	LEVEE GATE TRIAL ASSEMBLY	L SUM	1	1					
X0326787	PLASTIC SHEETING, 10 MIL, 20' X 40' SHEET	EACH	2	2					
X0326788	DOOR AND FRAME	EACH	1	1					
X0326789	BAR CLAMP	EACH	9	9					
X0322729	MATERIAL TRANSFER DEVICE	TON	5,340	2,415	155			2,770	
X5013800	PIPE CULVERT REMOVAL	EACH	4	4					
Z0000940	AGGREGATE FOR DRIVEWAY MAINTENANCE	TON	100	100					
20200100	EARTH EXCAVATION	CU YD	2,879	2,879					
20400100	BORROW EXCAVATION	CU YD	3,946	3,946					
20201450	SUB-BASE GRANULAR MATERIAL, TYPE A	CU YD	1,634					1,634	
25000200	SEEDING, CLASS 2	ACRE	1.7	1.7					
25000350	SEEDING, CLASS 7	ACRE	1.7	1.7					
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	149	149					
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	149	149					
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	149	149					
25000700	AGRICULTURAL GROUND LIMESTONE	TON	3	3.3					
25100630	EROSION CONTROL BLANKET	SQ YD	1,091	1,091					
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	495	495					
28000305	TEMPORARY DITCH CHECKS	FOOT	108	108					
28000400	PERIMETER EROSION BARRIER	FOOT	1,992	1,992					
28000500	INLET AND PIPE PROTECTION	EACH	5	5					
28000720	MULCH, METHOD 2	ACRE	3.3	3.3					
31101900	SUB-BASE GRANULAR MATERIAL, TYPE C	TON	1,446	1,446					
35501332	HOT-MIX ASPHALT BASE COURSE, 12"	SQ YD	6,487	1,587				4,900	
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	332	332					
40600115	POLYMERIZED BITUMINOUS MATERIALS (PRIME COAT)	GALLON	4,194	1,233	155			2,806	
40600300	AGGREGATE (PRIME COAT)	TON	73	23	3			47	
40600990	TEMPORARY RAMP	SQ YD	210	135				75	

FILE NAME =	USER NAME = colemm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
a:\pwork\pwork\colemm\dms43714\d978065_sht_schedule.dgn		DRAWN -	REVISED -						869	*	Saline	82	5
		CHECKED -	REVISED -			SCALE: NONE	SHEET NO. 1 OF 3 SHEETS	STA.					
		DATE -	REVISED -					TO STA.					

## SUMMARY OF QUANTITIES

CODE NUMBER	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	SALINE CO.	SALINE CO.	SALINE CO.
				ROADWAY URBAN 80% FED 20% STATE	PARKING LANES URBAN 80% FED 20% CITY	ROADWAY RURAL 80% FED 20% STATE
CONSTRUCTION TYPE CODE				I000	I000	I000
40603090	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	1,222	1,222		
40603245	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N105	TON	188	188		
40603550	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N105	TON	5,340	2,415	155	2,770
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	219	219		
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	45,141	12,239	1,725	31,177
44000173	HOT-MIX ASPHALT SURFACE REMOVAL, 6"	SQ YD	64	64		
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	253	253		
44201798	CLASS D PATCHES, TYPE I, 13 INCH	SQ YD	75	7		68
44201803	CLASS D PATCHES, TYPE II, 13 INCH	SQ YD	803	241		562
44201807	CLASS D PATCHES, TYPE III, 13 INCH	SQ YD	157	39		118
44201809	CLASS D PATCHES, TYPE IV, 13 INCH	SQ YD	1,243	358		885
48100500	AGGREGATE SHOULDERS, TYPE A 6"	SQ YD	81	81		
48203100	HOT-MIX ASPHALT SHOULDERS	TON	890	890		
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1	1		
50300225	CONCRETE STRUCTURES	CU YD	68	68		
50500205	FURNISHING STRUCTURAL STEEL	L SUM	1	1		
50700105	TREATED TIMBER	FBM	41	41		
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	2,740	2,740		
50800515	BAR SPLICERS	EACH	40	40		
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	94	94		
542A1081	PIPE CULVERTS, CLASS A, TYPE 2 36"	FOOT	26	26		
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	2	2		
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	4	4		
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	1	1		
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	255	255		
60223800	MANHOLES, TYPE A, 6' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1		
60240301	INLETS, TYPE B, TYPE 8 GRATE	EACH	1	1		
60243500	INLETS, SPECIAL, TYPE 3, 6'	EACH	3	3		

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c:\pwork\pwork\colemm\dms43714\d978065_sht_schedule.dgn		DRAWN -	REVISED -			869	.	Saline	82	6	
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -			SCALE: NONE		SHEET NO. 2 OF 3 SHEETS		STA. TO STA.	
PLOT DATE = 11/4/2009		DATE -	REVISED -			ILLINOIS FED. AID PROJECT CONTRACT NO. 78065					

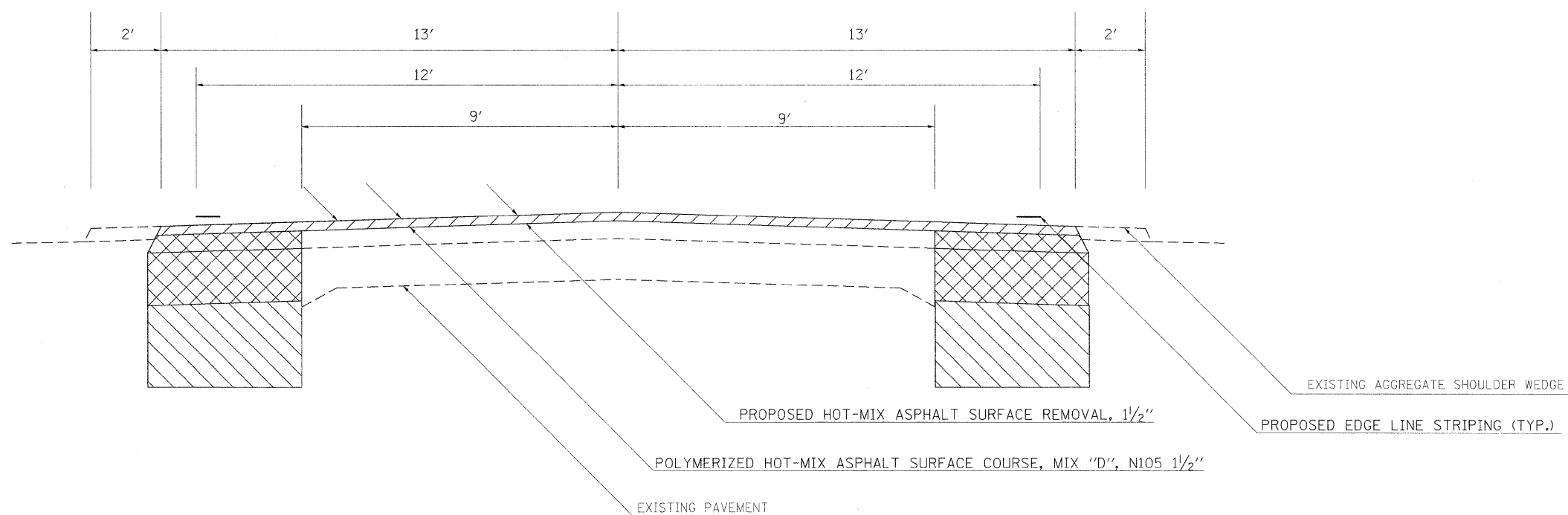
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CONSTRUCTION TYPE CODE				I000	I000	I000
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	234	234		
* 63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	912.5	912.5		
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	4	4		
* 63100089	TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	4	4		
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	6	6		
* 63200310	GUARDRAIL REMOVAL	FOOT	576	576		
* 63300725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT	100	100		
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	16	16		
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	7	4		3
67100100	MOBILIZATION	L SUM	1	0.5		0.5
70100100	TRAFFIC CONTROL AND PROTECTION, STANDARD 701316	EACH	1	1		
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	0.5		0.5
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1			1
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	0.5		0.5
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1		
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	8	4		4
* 70106500	TEMPORARY BRIDGE TRAFFIC SIGNALS	EACH	1	1		
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	2	2		
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	182	182		
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	23,228	7,837	120	15,271
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	284		142	142
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	2,080	2,080		
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	116	116		
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	1,945	943		1,002
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	10,952	5,528		5,424
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	182	182		
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	284		142	142
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	2,080	2,080		
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	116	116		
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	23,228	7,837	120	15,271
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	166	97		69
78200420	GUARDRAIL MARKERS, TYPE B	EACH	19	19		
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	6	6		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	166	97		69
86200300	UNINTERRUPTABLE POWER SUPPLY, EXTENDED	EACH	1	1		
* 88600100	DETECTOR LOOP, TYPE I	FOOT	30	30		
* 89501510	RELOCATE EXISTING FLASHING BEACON	EACH	1	1		

\* SPECIALTY ITEM

FILE NAME =	USER NAME = colemm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TYPICAL SECTION  
 FAP 869 (IL 34)  
 SALINE CO.



PROPOSED HOT-MIX ASPHALT BASE COURSE, 12"



PROPOSED SUB-BASE GRANULAR MATERIAL, TYPE A, 12"

TO BE USED:  
 STA. 1569+80 TO STA. 1630+50

OMISSIONS:  
 STA. 1572+86 TO STA. 1575+09 (SN 083-0039)  
 STA. 1580+75 TO STA. 1584+10 (SN 083-0040)

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PLOT SCALE = 50,0000 ' / IN.		CHECKED -	REVISED -
PLOT DATE = 10/15/2009		DATE -	REVISED -

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

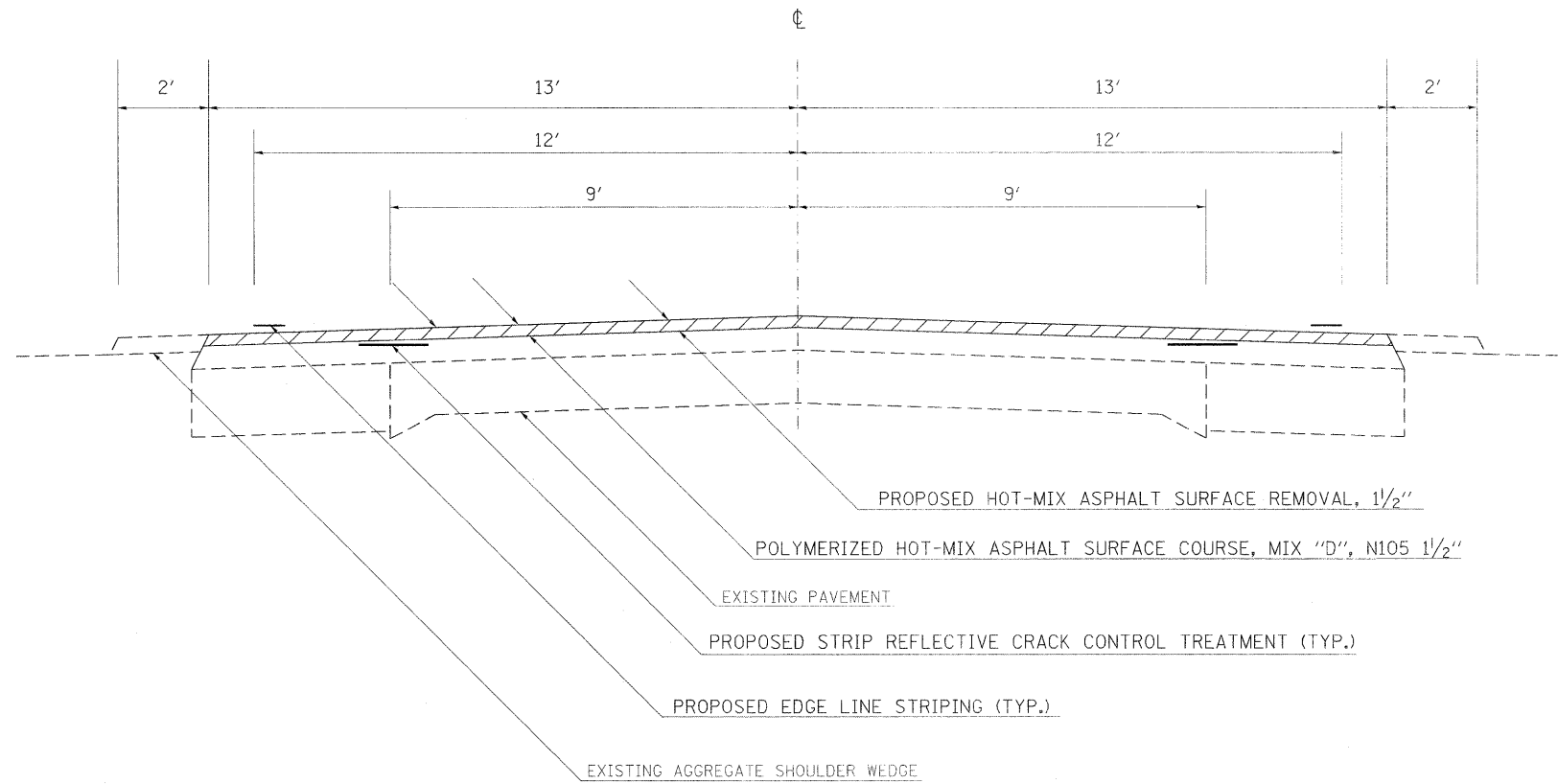
**TYPICAL SECTION**

SCALE: NONE SHEET NO. 1 OF 10 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
869	*	Saline	82	8
CONTRACT NO. 78065			ILLINOIS FED. AID PROJECT	



TYPICAL SECTION  
 FAP 869 (IL 34)  
 SALINE CO.



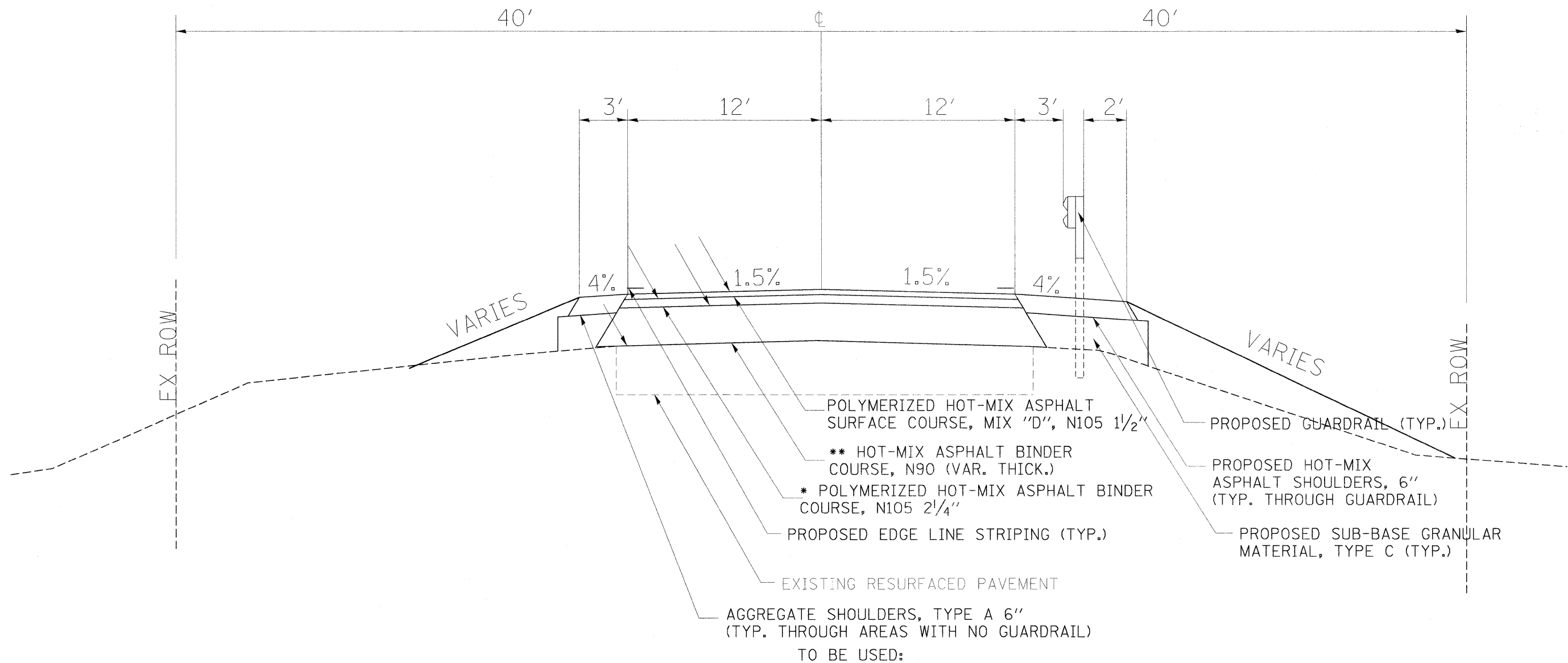
TO BE USED:  
 STA. 1630+50 TO STA. 1650+53  
 STA. 1657+53 TO STA. 1662+20

OMISSIONS:  
 STA. 1643+25 TO STA. 1650+53 (SMALL ST. BRIDGE)

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTION</b>		F.A.P. RTE. 869	SECTION *	COUNTY Saline	TOTAL SHEETS 82	SHEET NO. 9	
#FILEL#		DRAWN -	REVISED -		SCALE: NONE	SHEET NO. 2 OF 10 SHEETS	STA.	TO STA.	CONTRACT NO. 78065			
		CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE	REVISED -		105(TS-2,N-1,RS-3,RS-2)							

# TYPICAL SECTION

IL 34  
NOT TO SCALE



1630+50.00 RT TO 1635+69.08 RT (NW QUAD); 1636+45.92 RT TO 1639+70.00 RT (SW QUAD)  
1630+50.00 LT TO 1635+59.99 LT (NE QUAD); 1636+36.68 LT TO 1639+70.00 LT (SE QUAD)

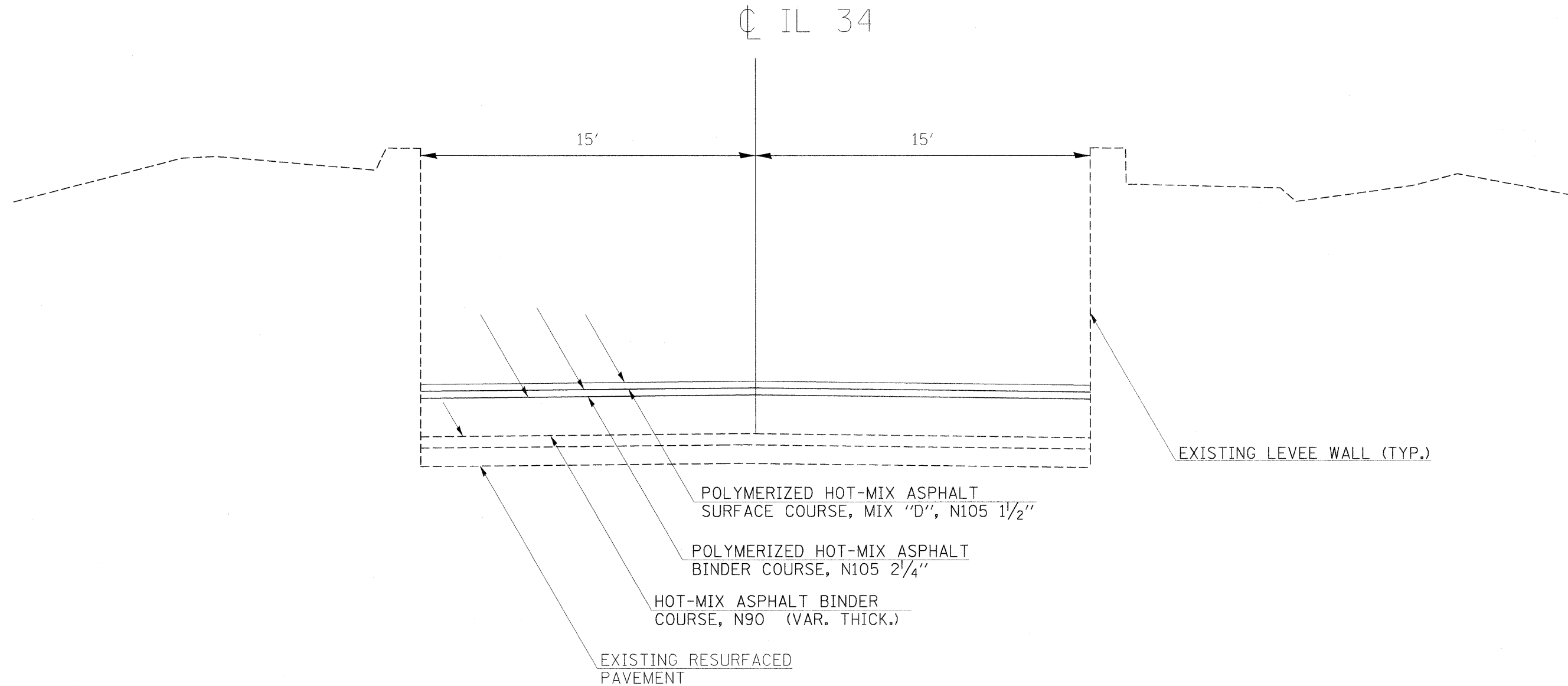
\*BINDER 1633+10.72 RT TO 1635+69.08 RT (NW QUAD); 1636+45.92 RT TO 1638+83.33 RT (SW QUAD)  
1633+10.72 LT TO 1635+59.99 LT (NE QUAD); 1636+36.68 LT TO 1638+83.33 LT (SE QUAD)

\*\*BINDER 1633+36.37 RT TO 1635+69.08 RT (NW QUAD); 1636+45.92 RT TO 1638+57.37 RT (SW QUAD)  
1633+36.37 LT TO 1635+59.99 LT (NE QUAD); 1636+36.68 LT TO 1638+57.37 LT (SE QUAD)

FILE NAME =	USER NAME = rollevr	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTION</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
g:\pwork\pwork\ROLLAVR\dms51181\d97879_sht_misc.dgn		DRAWN -	REVISED -		SCALE: NONE	SHEET NO. 3 OF 10 SHEETS	STA.	TO STA.	869	SALINE	82	10
		CHECKED -	REVISED -		CONTRACT NO. 78065							
		DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

# TYPICAL SECTION

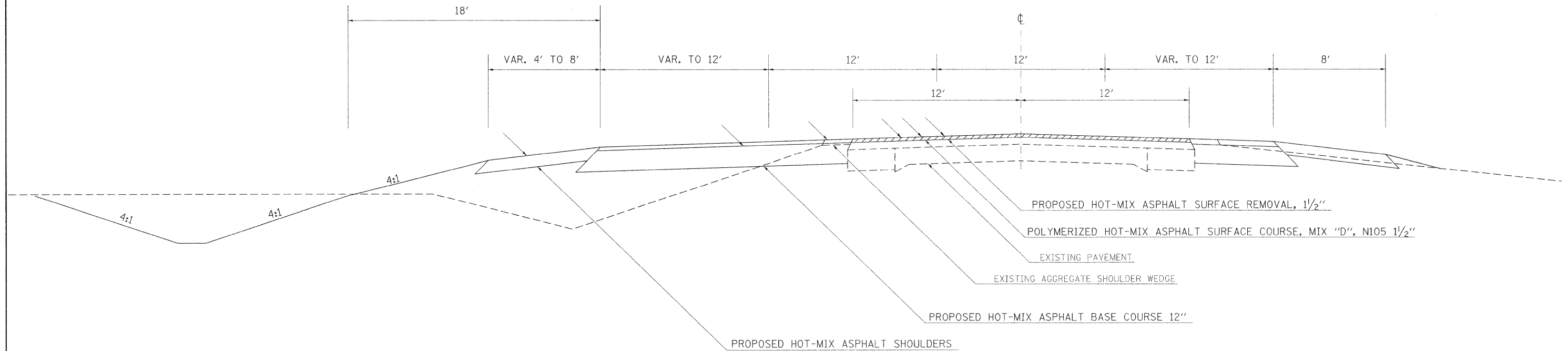
IL 34  
NOT TO SCALE



TO BE USED:  
 1635+69.08 RT TO 1635+93.35 RT (NW QUAD); 1636+12.35 RT TO 1636+45.92 RT (SW QUAD)  
 1635+59.99 LT TO 1635+93.35 LT (NE QUAD); 1636+12.35 LT TO 1636+36.68 LT (SE QUAD)

FILE NAME =	USER NAME = rollevr	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTION</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
o:\p\work\K\PWID01\ROLLAVR\dms51181\d978079_sht_misc.dgn		DRAWN -	REVISED -		SCALE: NONE	SHEET NO. 4 OF 10 SHEETS	STA.	TO STA.	869	SALINE	82	11
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -						CONTRACT NO. 78065			
	PLOT DATE = 10/9/2009	DATE -	REVISED -						ILLINOIS FED. AID PROJECT			

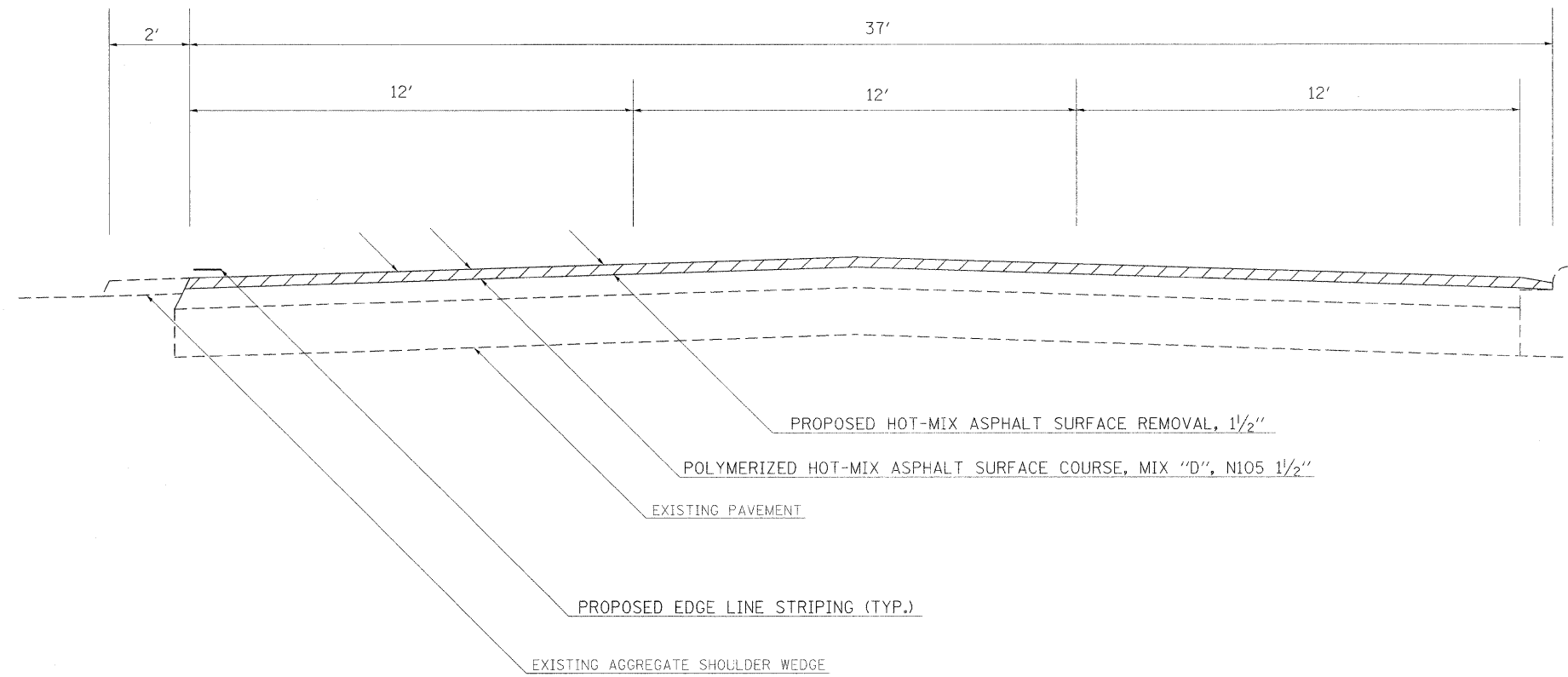
TYPICAL SECTION  
 FAP 869 (IL 34)  
 SALINE CO.



TO BE USED:  
 STA. 1650+53 TO STA. 1657+53

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTION</b>		F.A.P. RTE. 869	SECTION *	COUNTY Saline	TOTAL SHEETS 82	SHEET NO. 12	
#FILEL#		DRAWN -	REVISED -				SCALE: NONE SHEET NO. 5 OF 10 SHEETS STA. TO STA.		CONTRACT NO. 78065			
		CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -		105(TS-2,N-1,RS-3,RS-2)							

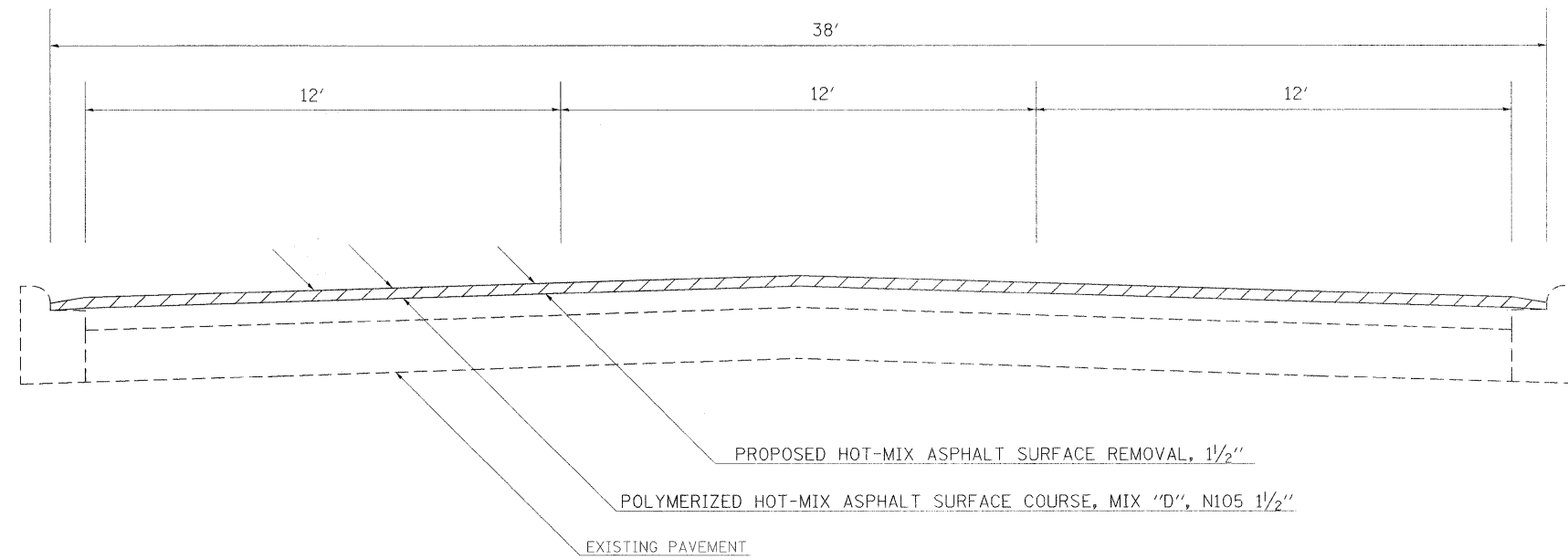
TYPICAL SECTION  
 FAP 869 (IL 34)  
 SALINE CO.



STA. 1662+20 TO STA. 1664+00

FILE NAME = #FILEL#	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTION</b>		F.A.P. RTE. 869	SECTION *	COUNTY Saline	TOTAL SHEETS 82	SHEET NO. 13	
		DRAWN -	REVISED -		SCALE: NONE	SHEET NO. 6 OF 10 SHEETS	STA.	TO STA.	CONTRACT NO. 78065			
		CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		PLOT DATE = #DATE#	DATE -		105(TS-2,N-1,RS-3,RS-2)							

TYPICAL SECTION  
 FAP 869 (IL 34)  
 SALINE CO.

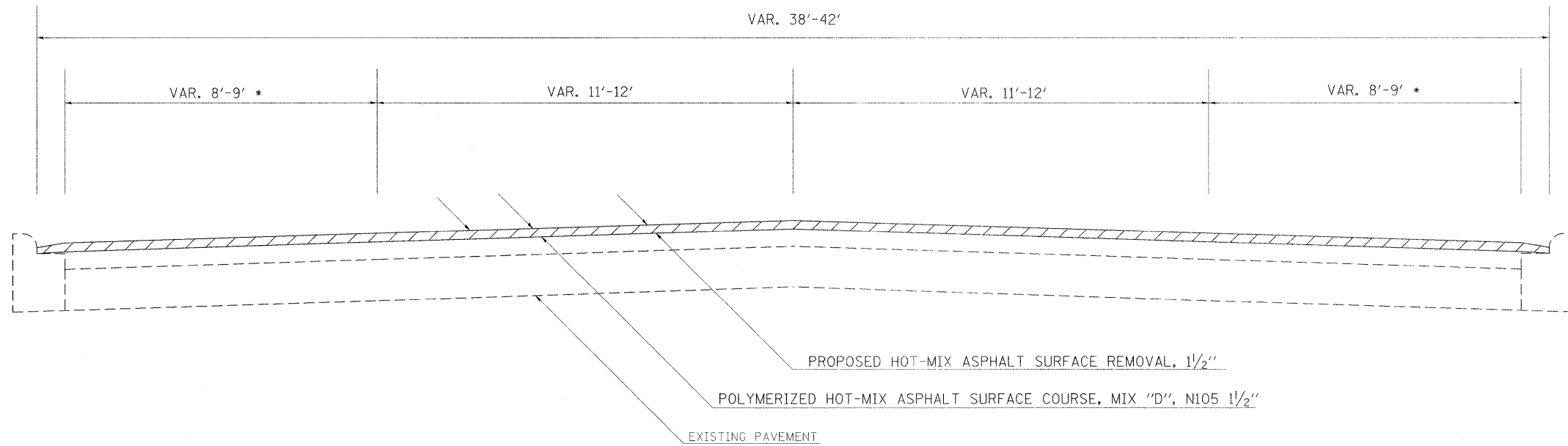


TO BE USED:  
 STA. 1664+00 TO STA. 1667+08  
 STA. 1677+18 TO STA. 1682+76

OMISSION  
 STA. 1667+08 TO STA. 1677+18 (NEW IL 13 INTERSECTION)

FILE NAME = *FILEL*	USER NAME = *USER*	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTION</b>		F.A.P. RTE. 869	SECTION •	COUNTY Saline	TOTAL SHEETS 82	SHEET NO. 14	
	PLOT SCALE = *SCALE*	DRAWN -	REVISED -		SCALE: NONE	SHEET NO. 7 OF 10 SHEETS	STA.	TO STA.	CONTRACT NO. 78065			
	PLOT DATE = *DATE*	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -		105(TS-2,N-1,RS-3,RS-2)							

TYPICAL SECTION  
 FAP 869 (IL 34)  
 SALINE CO.

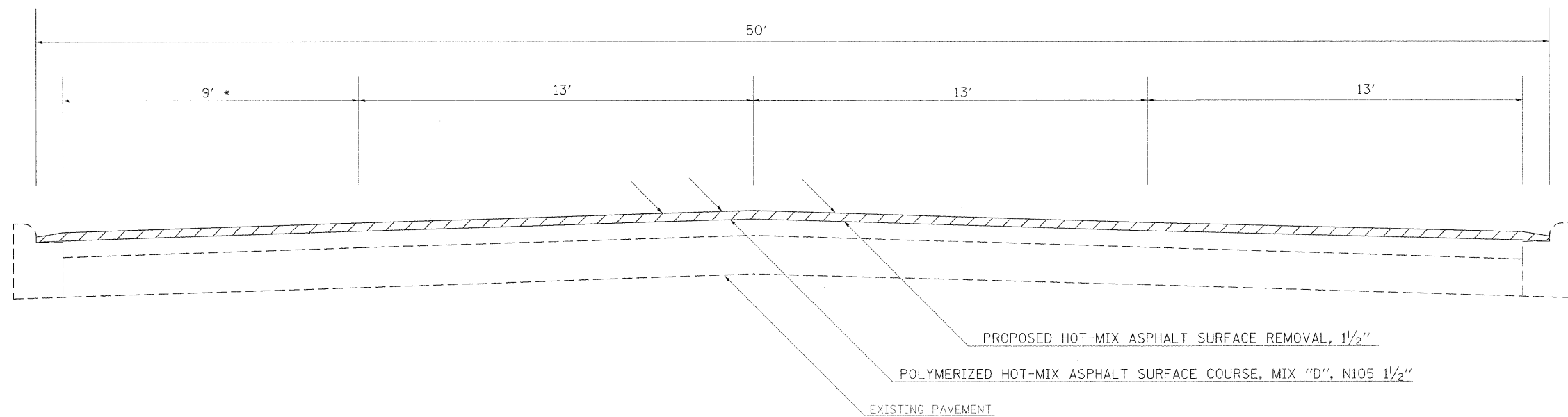


TO BE USED:  
 STA. 1682+76 TO 1687+08

\* PARKING LANE

FILE NAME = *FILEL*	USER NAME = *USER*	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTION</b>		F.A.P. RTE. 869	SECTION *	COUNTY Saline	TOTAL SHEETS 82	SHEET NO. 15	
		DRAWN -	REVISED -		SCALE: NONE	SHEET NO. 8 OF 10 SHEETS	STA.	TO STA.	CONTRACT NO. 78065			
		CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -		105(TS-2,N-1,RS-3,RS-2)							

TYPICAL SECTION  
 FAP 869 (IL 34)  
 SALINE CO.

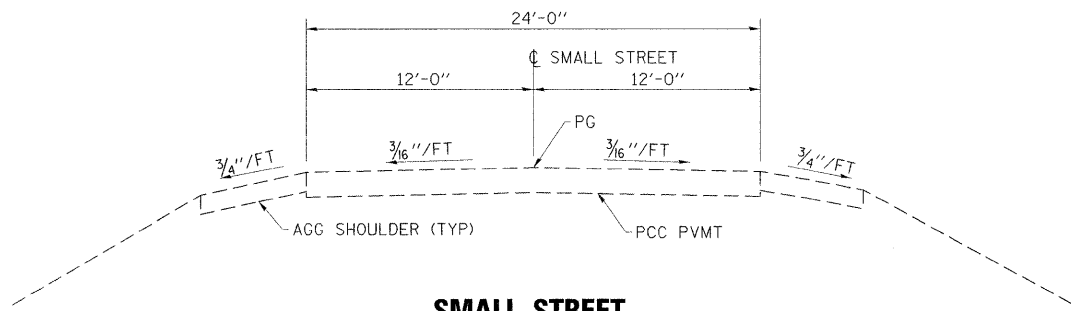


TO BE USED:  
 STA. 1687+08 TO STA. 1689+95

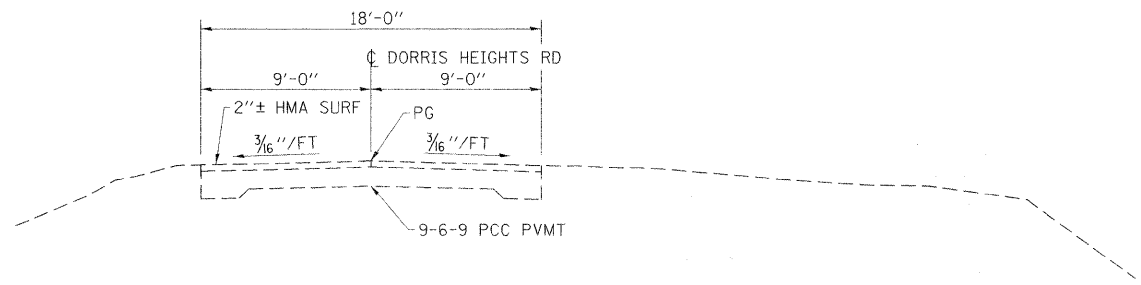
\* PARKING LANE

FILE NAME = #FILEL#	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTION</b>		F.A.P. RTE. 869	SECTION *	COUNTY Saline	TOTAL SHEETS 82	SHEET NO. 16	
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -		SCALE: NONE	SHEET NO. 9 OF 10 SHEETS	STA.	TO STA.	CONTRACT NO. 78065			
	PLOT DATE = #DATE#	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							
105(TS-2,N-1,RS-3,RS-2)												

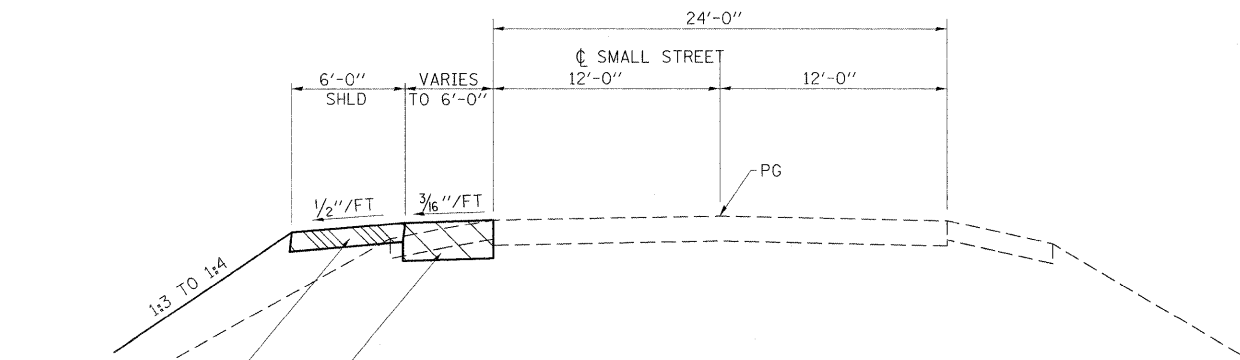




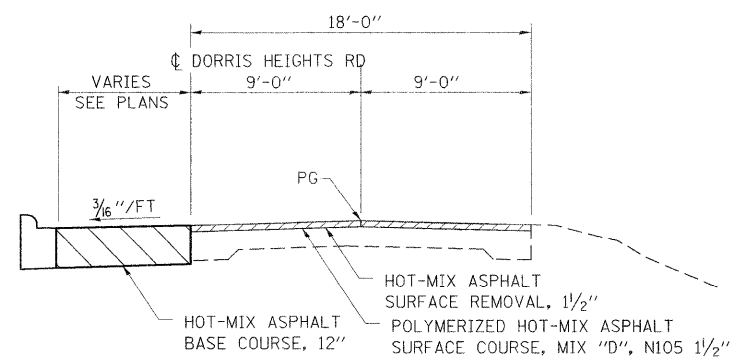
**SMALL STREET  
EXISTING TYPICAL ROADWAY SECTION**



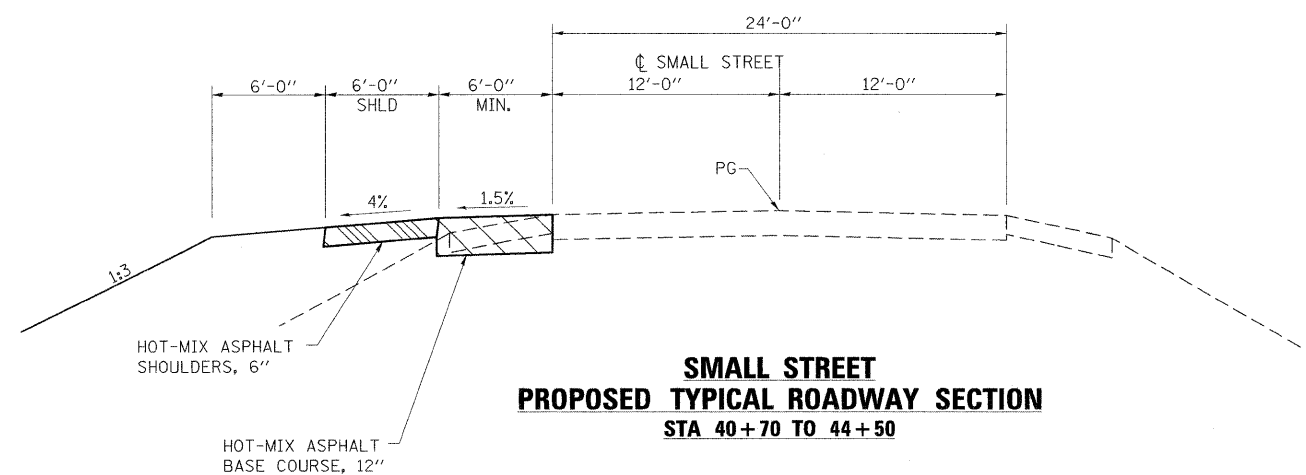
**DORRIS HEIGHTS ROAD  
EXISTING TYPICAL ROADWAY SECTION**



**SMALL STREET  
PROPOSED TYPICAL ROADWAY SECTION  
STA 37+00 TO 40+70**



**DORRIS HEIGHTS ROAD  
PROPOSED TYPICAL ROADWAY SECTION  
STA 45+50 TO 46+50**



**SMALL STREET  
PROPOSED TYPICAL ROADWAY SECTION  
STA 40+70 TO 44+50**

FILE NAME =	USER NAME = colemm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTION</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pwork\pwid00\COLEMM\dms43714\d978	65_sht_typical.dgn	DRAWN -	REVISED -		SCALE: NONE	SHEET NO. 10 OF 10 SHEETS	STA.	TO STA.	869	Saline	82	17
	PLOT SCALE = 5.0000 / / IN.	CHECKED -	REVISED -					CONTRACT NO. 78065				
	PLOT DATE = 10/9/2009	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

## RESURFACING SCHEDULE

LOCATION				LENGTH	WIDTH	HOT-MIX ASPHALT SURFACE REMOVAL 1 1/2"	HOT-MIX ASPHALT SURFACE REMOVAL 6"	AVERAGE DEPTH SURFACE	VOLUME SURFACE	POLY HOT-MIX ASPHALT SURFACE COURSE	HOT-MIX ASPHALT BINDER COURSE	POLY HOT-MIX ASPHALT BINDER COURSE	POLY BITUMINOUS MATERIALS (PRIME COAT)	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)
						SQ YD	SQ YD			INCH	CU YD	TON	TON	TON	GAL
<b>IL 34</b>															
STA.	1517+00	TO	STA.	1572+86	5,586.00	26	16,137.3		1.5	672.4	1,433.7			1,452.4	24.2
STA.	1572+86	TO	STA.	1575+09	OMISSION SN 083-0039										
STA.	1575+09	TO	STA.	1580+75	566.00	26	1,635.1		1.5	68.1	145.3			147.2	2.5
STA.	1580+75	TO	STA.	1584+10	OMISSION SN 083-0040										
STA.	1584+10	TO	STA.	1630+50	4,640.00	26	13,404.4		1.5	558.5	1,190.9			1,206.4	20.1
STA.	1630+50 RT	TO	STA.	1635+69.08 RT	519.08	12	315.0		1.5	29.0	59.0	317.0	47.0	62.0	65.0
STA.	1635+69.08 RT	TO	STA.	1635+93.35 RT	24.27	15			1.5	1.7	4.0				
STA.	1630+50 LT	TO	STA.	1635+59.99 LT	509.99	12	315.0		1.5	28.5	58.0	305.0	47.0	62.0	66.0
STA.	1635+59.99 LT	TO	STA.	1635+93.35 LT	33.36	15			1.5	2.3	5.0				
STA.	1635+93.35	TO	STA.	1636+12.35	19.00	30		63.3							
STA.	1636+12.35 RT	TO	STA.	1636+45.92 RT	33.57	15			1.5	2.3	5.0				
STA.	1636+45.92 RT	TO	STA.	1639+70 RT	324.08	12	87.0		1.5	18.1	37.0	301.0	47.0	40.0	65.0
STA.	1636+12.35 LT	TO	STA.	1636+36.68 LT	24.33	15			1.5	1.7	4.0	299.0	47.0	40.0	64.0
STA.	1636+36.68 LT	TO	STA.	1639+70 LT	333.32	12	87.0		1.5	18.6	38.0				
STA.	1639+70	TO	STA.	1643+25	355.00	26	1,025.6		1.5	42.7	91.1			92.3	1.5
STA.	1643+25	TO	STA.	1650+09	SMALL STREET										
STA.	1650+09	TO	STA.	1657+53	744.00	24	2,040.0		1.5	683.0	1,387.3			183.6	3.1
STA.	1657+53	TO	STA.	1662+20	467.12	26	1,349.5		1.5	56.2	119.9			121.5	2.0
STA.	1662+20	TO	STA.	1664+00	180.00	37	740.0		1.5	30.8	64.7			66.6	1.1
STA.	1664+00	TO	STA.	1667+08	308.00	38	1,300.4		1.5	54.2	113.5			117.0	2.0
STA.	1667+08	TO	STA.	1677+18	NEW IL 13 INTERSECTION										
STA.	1677+18	TO	STA.	1682+76	558.00	38	2,356.0		1.5	98.2	205.7			212.0	3.5
STA.	1682+76	TO	STA.	1687+08	432.00	42	2,016.0		1.5	84.0	175.4			181.4	3.0
STA.	1687+08	TO	STA.	1689+95	287.00	50	1,594.4		1.5	66.4	138.0			143.5	2.4
<b>DORRIS HEIGHTS</b>															
STA.	44+92	TO	STA.	46+93	201.00		738.0		1.5	30.7	64.8			66.4	1.1
<b>TOTALS:</b>							45,141	64		5,340	1,222	188	4,194	260	73

### SHOULDER SCHEDULE

LOCATION	AGGREGATE SHOULDERS, TYPE A 6"	HOT-MIX ASPHALT SHOULDERS	SUB-BASE GRANULAR MATERIAL, TYPE C
	SQ YD	TON	TON
<b>IL 34 (LEVEE)</b>			
<b>NW QUAD</b>			
STA 1630+40.30 TO STA 1635+69.08		137.0	140.0
STA 1635+24.00 FER		12.0	
<b>NE QUAD</b>			
STA 1630+50.00 TO STA 1631+50.00	34.0		
STA 1631+50.00 TO STA 1635+59.99		106.0	132
<b>SW QUAD</b>			
STA 1636+45.92 TO STA 1638+50.00		52.0	125
STA 1638+50.00 TO STA 1639+70.00	40.0		
<b>SE QUAD</b>			
STA 1636+85.13 SRL		49.0	
STA 1636+36.68 TO STA 1639+50.00		80.0	150
STA 1639+50.00 TO STA 1639+70.00	7.0		
<b>IL 34</b>			
STA 1650+53 TO STA. 1657+53 LT		299.0	203.0
STA 1650+53 TO STA. 1657+53 RT		155.0	105.0
	<b>81.0</b>	<b>890.0</b>	<b>855.0</b>

### ROW MARKERS

LOCATION	OFFSET	FURNISHING AND ERECTING RIGHT OF WAY MARKERS
		EACH
<b>ILL 34</b>		
STA 1651+25.00 LT	90.00	1
STA 1654+00.00 LT	90.00	1
STA 1654+00.00 LT	75.00	1
STA 1656+00.00 LT	75.00	1
STA 1656+00.00 LT	65.00	1
STA 1657+07.56 LT	65.00	1
STA 1657+07.56 LT	39.66	1
STA 1651+34.20 RT	40.33	1
STA 1651+34.22 RT	46.98	1
<b>SMALL STREET/DORRIS HEIGHTS ROAD</b>		
STA 37+50.00 LT	50.00	1
STA 37+50.00 LT	65.00	1
STA 43+90.00 LT	65.00	1
STA 45+50.71 LT	39.00	1
STA 45+80.00 LT	33.00	1
STA 47+20.00 LT	45.38	1
STA 47+20.00 LT	23.81	1
		<b>16</b>

### SIDEROAD & ENTRANCE SCHEDULE

SIDEROAD	STATION	EXISTING PAVEMENT TYPE	PROPOSED PAVEMENT TYPE	AREA	AVERAGE DEPTH HMA	INCIDENTAL HOT-MIX ASPHALT SURFACING	DRIVEWAY PAVEMENT REMOVAL	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	SUB-BASE GRANULAR MATERIAL, TYPE C
				SQ YD	INCH	TON	SQ YD	GAL	TON	TON
<b>IL 34</b>										
RESEVOIR ROAD	1636+85.13	AGG	HMA	226.6	3.0	39.0		20.4	0.3	497.0
FE	1634+89	EARTH	HMA	35.1	3.0	6.0		3.2	0.1	47.0
FE	1635+24	EARTH	HMA	35.1	3.0	6.0		3.2	0.1	47.0
AUTO TRIM	1651+64	HMA	HMA	103.6	6.0	34.8	103.6	9.3	0.2	
CENTER FIELD	1652+98	AGG	HMA	57.8	6.0	19.4	49.8	5.2	0.1	
ST CHOICE STORAGE	1654+97	AGG	HMA	51.9	6.0	17.4		4.7	0.1	
DOLLAR GENERAL	1655+98	HMA	HMA	51.9	6.0	17.4	51.9	4.7	0.1	
DOLLAR GENERAL	1656+79	HMA	HMA	47.5	6.0	16.0	47.5	4.3	0.1	
PE	1657+15	AGG	HMA	30.4	6.0	10.2		2.7	0.0	
<b>SMALL STREET</b>										
FE	39+52	AGG W APRON	HMA	156.5	6.0	52.6		14.1	0.2	
						<b>218.9</b>	<b>252.7</b>	<b>71.7</b>	<b>1.2</b>	<b>591.0</b>

### SEEDING SCHEDULE

LOCATION STATION TO STATION	SEEDING CLASS 2	SEEDING CLASS 7	TEMP EROSION CONTROL SEEDING	NITROGEN FERTILIZER NUTRIENT	PHOSPHOROUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	AGRICULTURAL GROUND LIMESTONE	MULCH METHOD 2
	ACRE	ACRE	POUND	POUND	POUND	POUND	TON	ACRE
<b>IL 34 (LEVEE)</b>								
STA. 1630+50 TO STA. 1635+69	0.20	0.20	59	18	18	18	0.4	0.39
STA. 1636+37 TO STA. 1640+00	0.28	0.28	85	26	26	26	0.6	0.57
<b>IL 34 (SMALL STREET)</b>								
STA. 1651+00 TO STA. 1657+50	0.56	0.56	168	50	50	50	1.1	1.12
<b>SMALL STREET</b>								
STA. 37+00 TO STA. 44+75	0.56	0.56	168	50	50	50	1.1	1.12
<b>DORIS HEIGHTS ROAD</b>								
STA. 45+25 TO STA. 47+00	0.05	0.05	15	5	5	5	0.1	0.10
<b>TOTAL</b>	<b>1.7</b>	<b>1.7</b>	<b>495</b>	<b>149</b>	<b>149</b>	<b>149</b>	<b>3.3</b>	<b>3.3</b>

### EROSION CONTROL SCHEDULE

LOCATION STATION TO STATION	EROSION CONTROL BLANKET	PERIMETER EROSION BARRIER	INLET AND PIPE PROTECTION	TEMPORARY DITCH CHECKS
	SQ YD	FOOT	EACH	FOOT
<b>IL 34 (LEVEE)</b>				
STA. 1630+50 TO STA. 1635+69 LT		478		
STA. 1630+50 TO STA. 1635+69 RT		495		
STA. 1633+00 TO STA. 1634+00 LT	124.44			
STA. 1636+37 TO STA. 1640+00 LT		300		
STA. 1636+37 TO STA. 1640+00 RT		338		
<b>IL 34 (SMALL STREET INTERSECTION)</b>				
STA. 1651+00 TO STA. 1657+50 LT	433.33			
STA. 1651+97 RT			1	
STA. 1652+00 TO STA. 1653+00 RT	66.67			
STA. 1652+43 RT				12
STA. 1653+16 TO STA. 1655+82 RT		267		
STA. 1654+78 LT				12
STA. 1656+16 TO STA. 1656+64 RT		48		
STA. 1656+94 TO STA. 1657+56 RT		66		
STA. 1657+39 LT			1	
<b>SMALL STREET</b>				
STA. 37+50 TO STA. 44+50 LT	467			
STA. 37+50 LT				12
STA. 38+15 LT				12
STA. 38+41 LT				12
STA. 39+92 LT			1	
STA. 40+47 LT				12
STA. 42+22 LT				12
STA. 43+67 LT				12
STA. 44+31 LT			1	
STA. 46+04 LT				12
STA. 46+99 LT			1	
<b>TOTAL</b>	<b>1091</b>	<b>1992</b>	<b>5</b>	<b>108</b>

## EARTHWORK SCHEDULE

LOCATION STATION TO STATION	EARTH EXCAVATION	AVERAGE SHRINKAGE FACTOR*	EARTH EXC. ADJUSTED FOR SHRINKAGE	EMBANKMENT	EXCESS EXCAVATION	EXCAVATION REQUIRED TO COMPLETE	BORROW EXCAVATION **	REMARKS
	CU YD	%	CU YD	CU YD	CU YD	CU YD	CU YD	
ILL 34								
1569+80 TO 1630+50	1634							EARTH EX QUANTITY NOT INTENDED FOR REUSE (WIDENING)
1630+50 TO 1635+69	57	41.70	24	174		150	177	
1636+37 TO 1640+00	13	41.70	5	328		323	381	
1651+00 TO 1657+50	634	62.10	394	2433		2039	2406	
SMALL STREET								
37+00 TO 44+50	478	57.40	274	1086		812	958	
DORRIS HEIGHTS ROAD								
45+50 TO 46+90	63	51.30	32	53		21	24	
TOTAL								
	2879						3946	

\*THE SHRINKAGE FACTOR WAS CALCULATED AT EVERY STATION BASED UPON THE END AREA OF CUT. THE SHRINKAGE FACTOR WAS CALCULATED USING THE FOLLOWING EQUATION:  
 $P = (2000 / (E + 37)) + 16$  WHERE: P = SHRINKAGE FACTOR IN PERCENT  
 E = END AREA OF CUT IN SQUARE FEET  
 AND WAS APPLIED TO THE END AREA BY USING THE FOLLOWING EQUATION: END AREA X (1 - P)

\*\* A SWELL FACTOR OF 1.18 WAS USED TO CALCULATE BORROW EXCAVATION.

## GUARDRAIL SCHEDULE

LOCATION STATION TO STATION	GUARDRAIL REMOVAL	STEEL PLATE BEAM GUARDRAIL TYPE A 6 FT STEEL POST	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	TRAFFIC BARRIER TERMINAL TYPE 1 (SPECIAL) TANGENT	TRAFFIC BARRIER TERMINAL TYPE 2	TRAFFIC BARRIER TERMINAL TYPE 6B	GUARDRAIL MARKERS, TYPE B	TERMINAL MARKER- DIRECT APPLIED
	FOOT	FOOT	FOOT	EACH	EACH	EACH	EACH	EACH
IL 34 LEVEE								
NORTHWEST QUAD.	221	400	12.5	1	2	1	6	1
SOUTHWEST QUAD.	104	100		1		1	4	1
NORTHEAST QUAD.	182	237.5	50	1	2	1	5	1
SOUTHEAST QUAD.	69	175	37.5	3		1	4	3
TOTAL								
	576	912.5	100	6	4	4	19	6

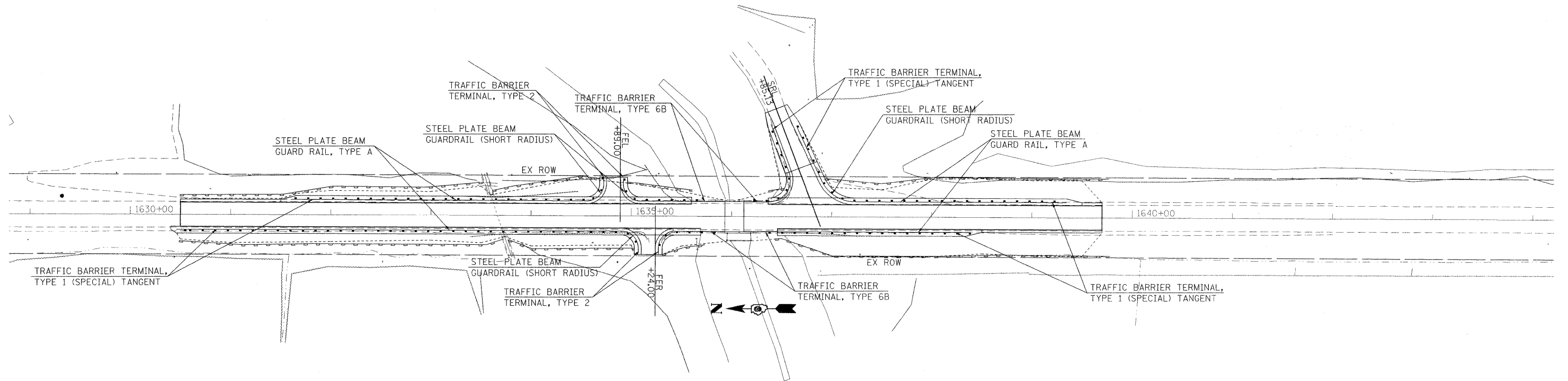
## PAVEMENT MARKING SCHEDULE

LOCATION STATION TO STATION				PAINT PAVEMENT MARKING			THERMOPLASTIC PAVEMENT MARKING					
				LINE - 4" YELLOW		LINE - 4" WHITE	LINE - 8" YELLOW	LINE - 12" WHITE	LINE - 12" YELLOW	LINE - 24" WHITE	LETTERS AND SYMBOLS	
				SOLID	CENTER DASHED	SOLID	SOLID	SOLID	SOLID	SOLID	WHITE	
				FEET		FEET **	FEET	FEET	FEET	FEET	SQ FT	
<b>IL 34</b>												
STA. 1569+80	TO	STA. 1572+86		76.5	612							
STA. 1575+09	TO	STA. 1580+75		141.5	1132							
STA. 1584+10	TO	STA. 1630+50		1160	9280							
STA. 1630+50	TO	STA. 1643+25		318.75	2550							
STA. 1650+09	TO	STA. 1652+85	185.0		715.2		55.9		18.0		72.8	
STA. 1652+85	TO	STA. 1657+55		870.6	940.5			275.5				
STA. 1657+55	TO	STA. 1662+20		116.25	930							
STA. 1662+20	TO	STA. 1664+00		45	360							
STA. 1664+00	TO	STA. 1667+08	71.0	77				644				
STA. 1677+18	TO	STA. 1687+08	117.0	247.5	100	100		788				
STA. 1687+08	TO	STA. 1689+95	440.0		120	42			30.0		36.4	
<b>SMALL STREET/DORRIS HTS.</b>												
STA. 37+00	TO	STA. 42+70	940.6		570			273.7				
STA. 42+70	TO	STA. 45+00	205.6		353.4				24.0		36.4	
STA. 45+00	TO	STA. 46+93	502.2		50			42.7	44.0		36.4	
<b>SUBTOTAL</b>			2,461.4	3,053.1	17,713.1		55.9	2,023.9	116.0		182.0	
<b>TOTAL</b>				<b>23,228</b>		<b>142</b>		<b>2,080</b>	<b>116</b>		<b>182.0</b>	

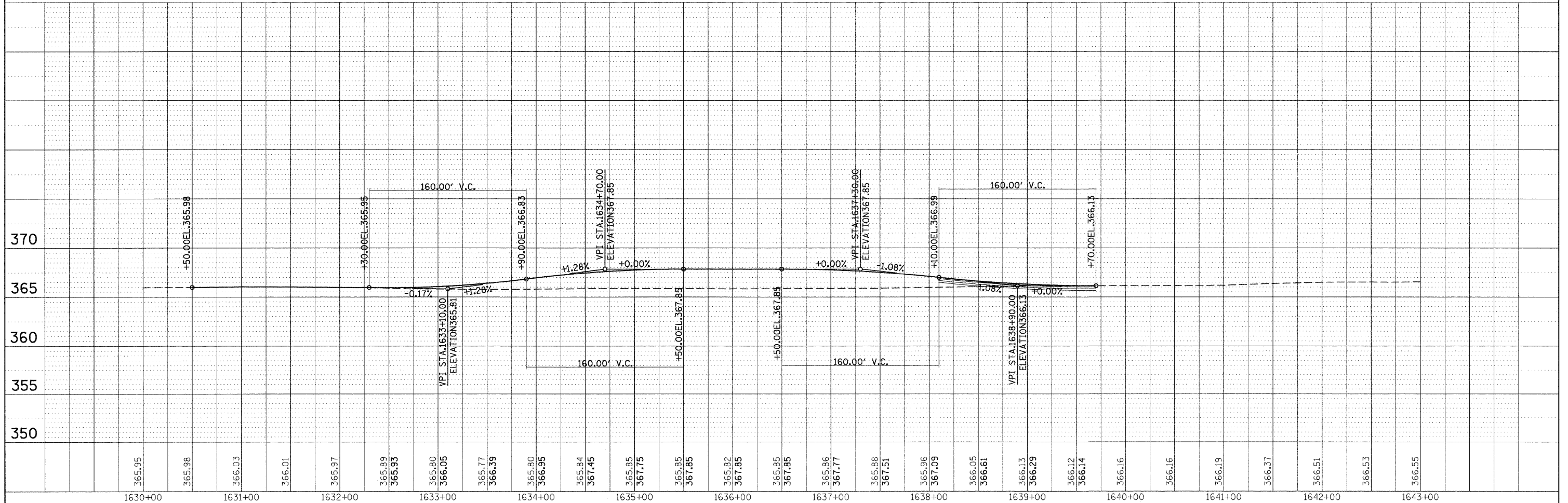
\*\* Accounts for double edge line striping

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\$FILEL\$		DRAWN -	REVISED -			869	*	Saline	82	22	
		CHECKED -	REVISED -			CONTRACT NO. 78065					
		DATE -	REVISED -			SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

PLAN	DESIGNED	DATE
NO.	PLOTTED	
NOTE BOOK	ALIGNED	CHECKED
NO.	FILE NAME	



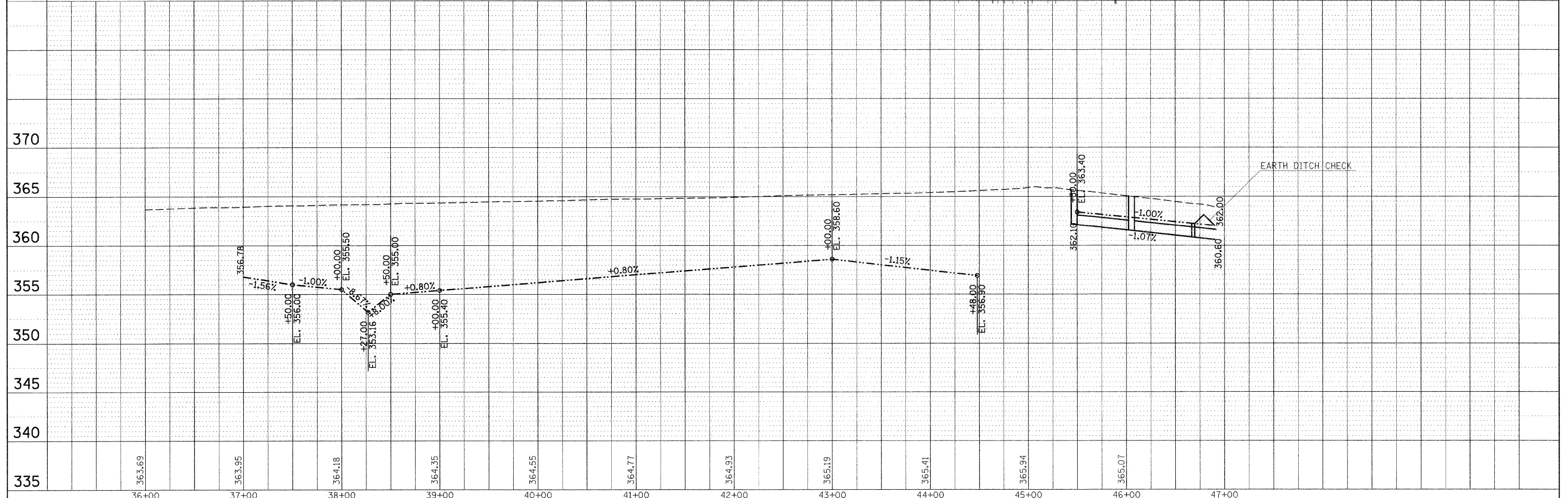
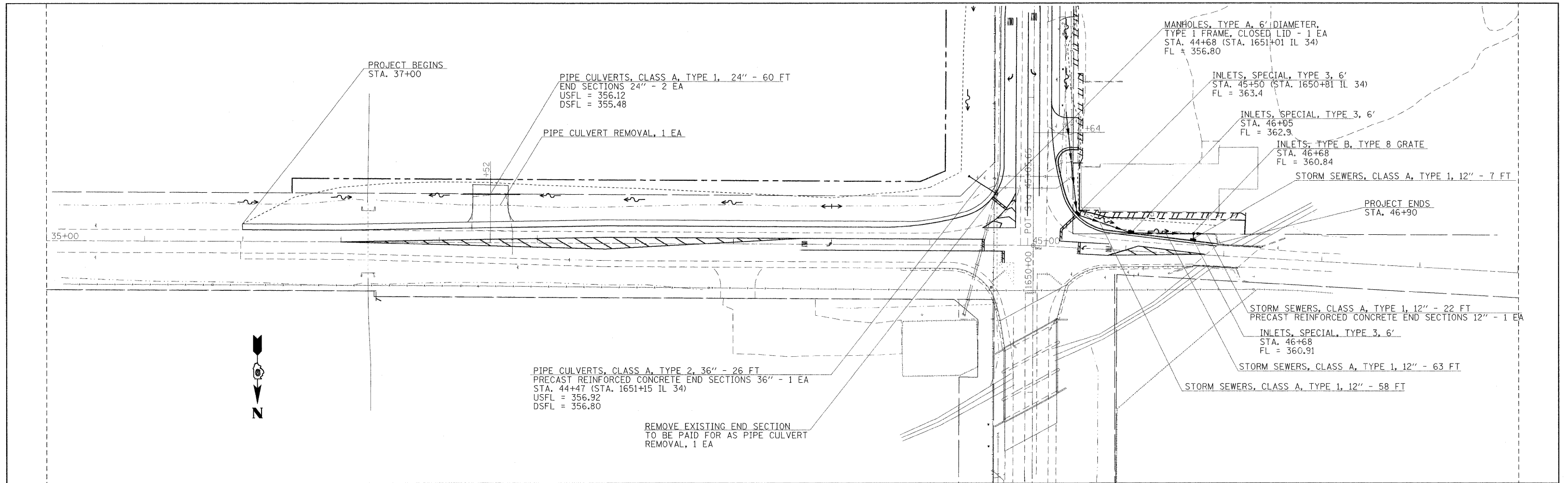
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NOTE BOOK	GRADES CHECKED	
NO.	STRUCTURE NOTATIONS CHECKED	



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et:\pwork\PWID01\ROLLAVR\dms5181\d97807	1.sht.plnprf.dgn	DRAWN -	REVISED -		SCALE: 50	SHEET NO.	OF	SHEETS	STA. 1630+00	TO STA. 1643+00	869	105(TS-2,N-1,RS-3,RS-2)	SALINE	82	23
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -												
	PLOT DATE = 12/9/2009	DATE -	REVISED -												
<b>CONTRACT NO. 78065</b>											ILLINOIS FED. AID PROJECT				

PLAN	DESIGNED	DATE
	PLOTTED	
	ALIGNMENT CHECKED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK	
	BY	
	NO.	
	FILE NAME	

PROFILE	DESIGNED	DATE
	PLOTTED	
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK	
	BY	
	NO.	
	FILE NAME	

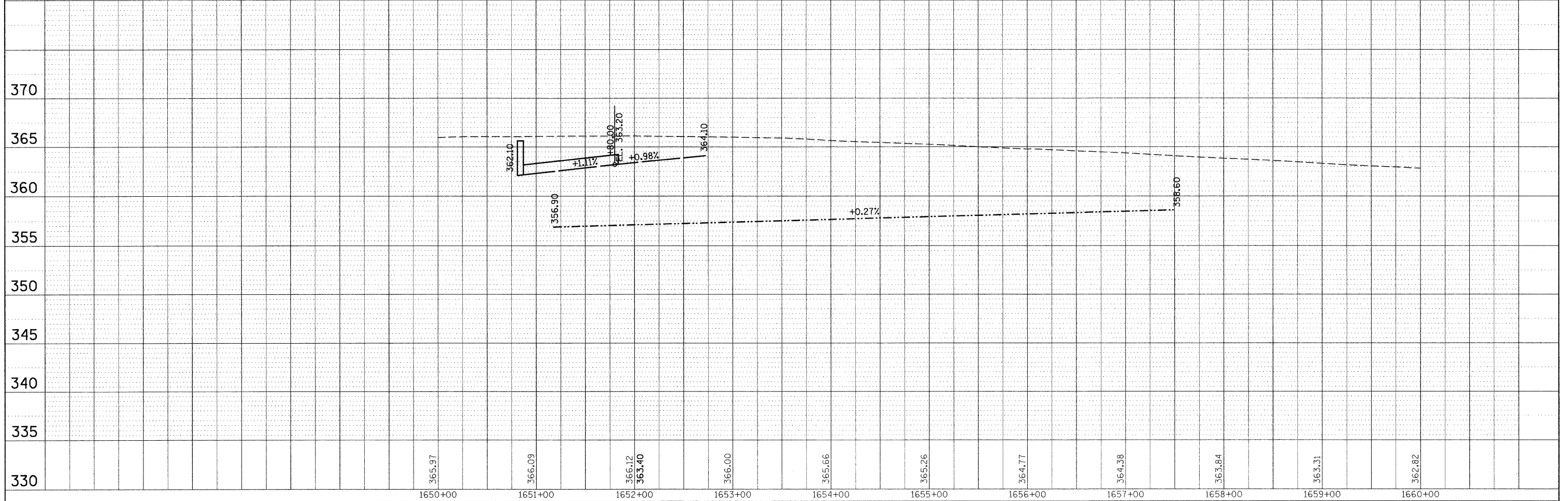
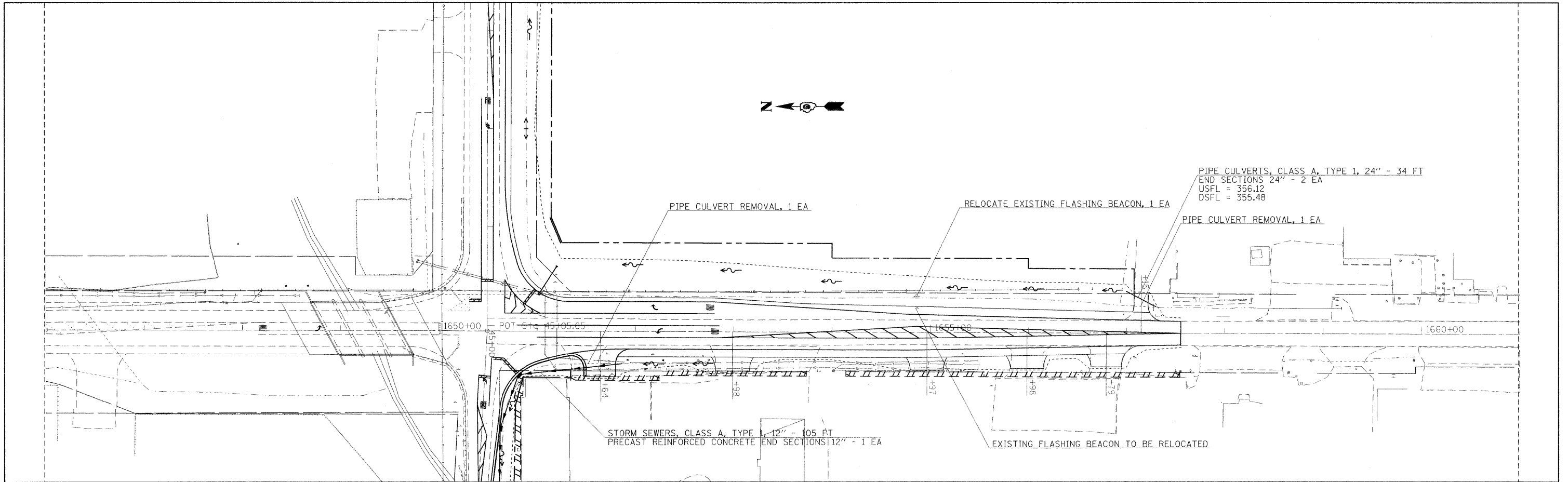


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c:\pwwork\pwwork\COLEMM\dm43714\d978860-shht-plr.dgn	DRAWN -	REVISED -									
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SCALE: 50						SHEET NO. OF SHEETS		STA. TO STA.		ILLINOIS FED. AID PROJECT	

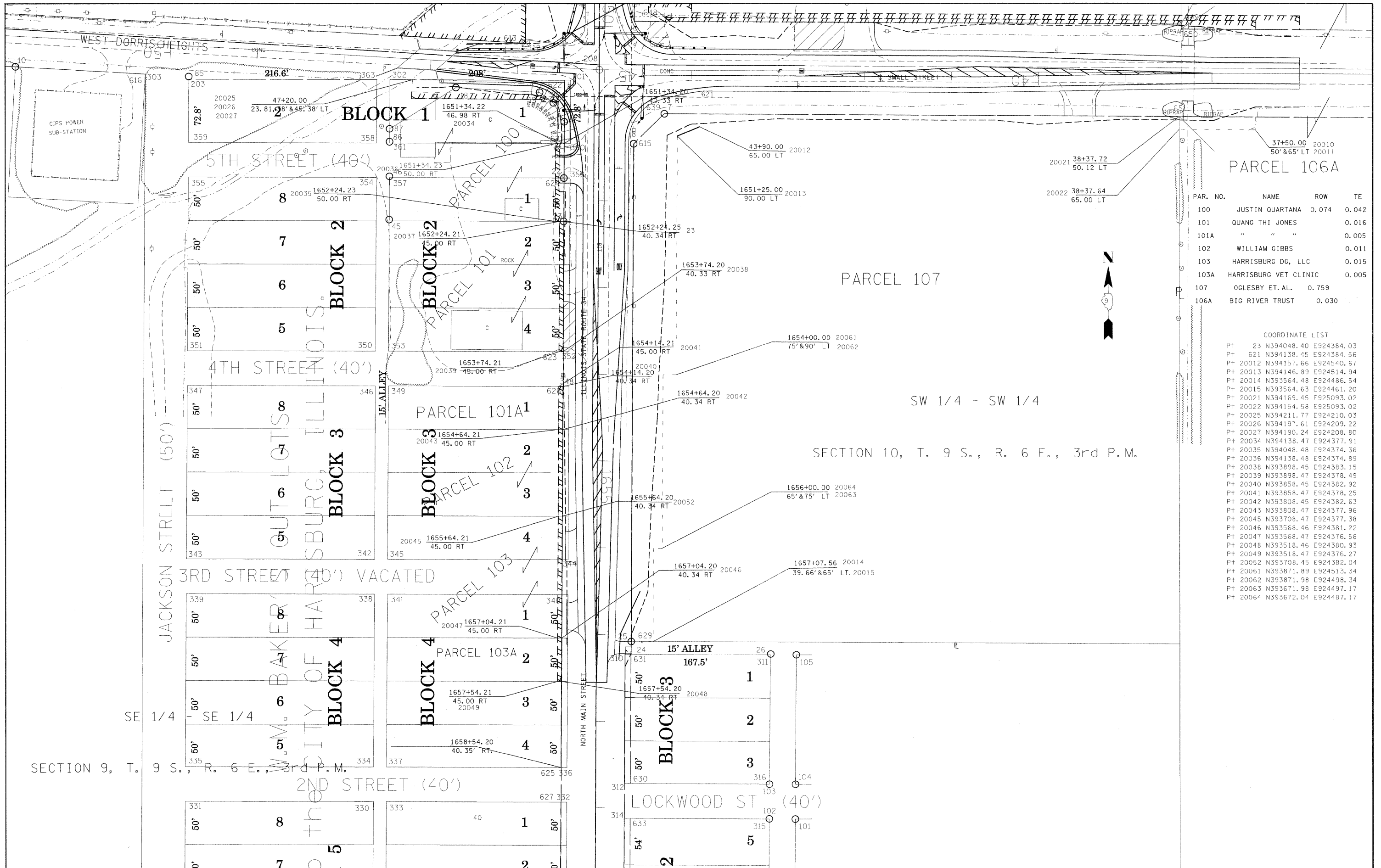


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	ALIGNMENT CHECKED		
	GRADES CHECKED		
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PROFILE	REVIEWED	BY	DATE
NO.	PLOTTED		
	GRADES CHECKED		
	NOTED		
	CONSTRUCTION		
	NOTATIONS CHFD		



FILE NAME =	USER NAME = colamm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>				<b>PLAN PROFILE - IL 34</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.					
ct:\p\work\PW1001\COLEMM\dms43714\d978065-sht:plpr.dgn		DRAWN -	REVISED -									869	*	Saline	82	25					
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PLOT DATE = 10/7/2009		DATE -	REVISED -									ILLINOIS FED. AID PROJECT									



PARCEL 106A

PAR. NO.	NAME	ROW	TE
100	JUSTIN QUARTANA	0.074	0.042
101	QUANG THI JONES		0.016
101A	" "		0.005
102	WILLIAM GIBBS		0.011
103	HARRISBURG DG, LLC		0.015
103A	HARRISBURG VET CLINIC		0.005
107	OGLESBY ET. AL.	0.759	
106A	BIG RIVER TRUST	0.030	

COORDINATE LIST

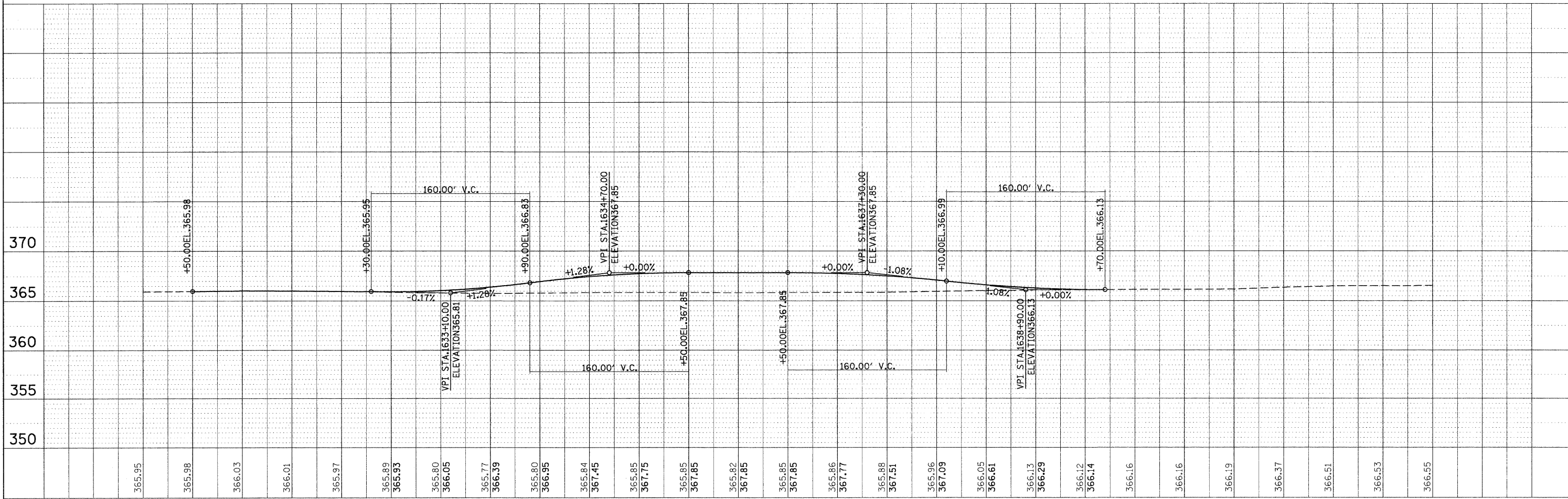
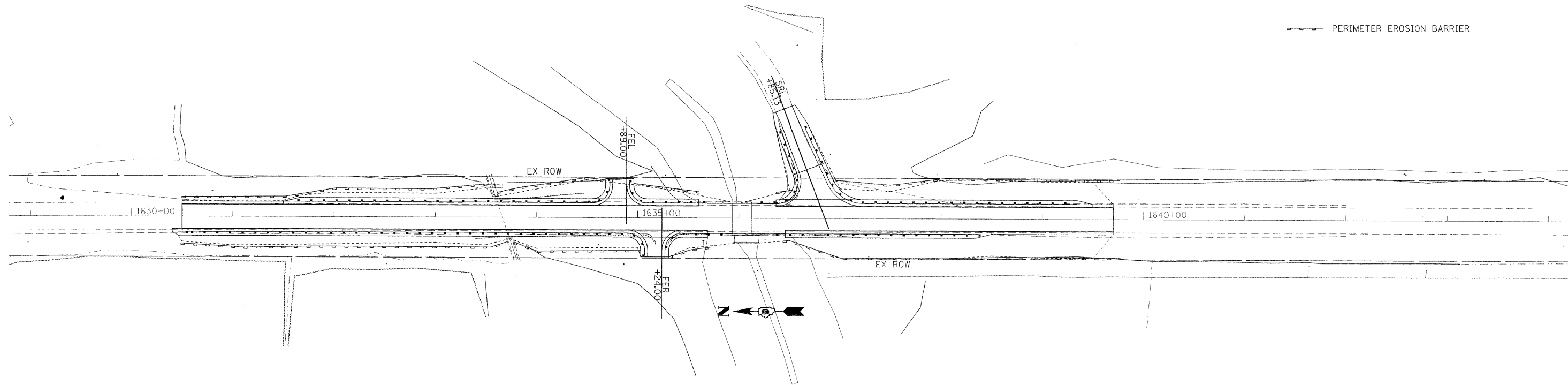
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Pt	621	N394138.45	E924384.56
Pt	20012	N394157.66	E924540.67
Pt	20013	N394146.89	E924514.94
Pt	20014	N393564.48	E924486.54
Pt	20015	N393564.63	E924461.20
Pt	20021	N394169.45	E925093.02
Pt	20022	N394154.58	E925093.02
Pt	20025	N394211.77	E924210.03
Pt	20026	N394197.61	E924209.22
Pt	20027	N394190.24	E924208.80
Pt	20034	N394138.47	E924377.91
Pt	20035	N394048.48	E924374.36
Pt	20036	N394138.48	E924374.89
Pt	20038	N393898.45	E924383.15
Pt	20039	N393898.47	E924378.49
Pt	20040	N393858.45	E924382.92
Pt	20041	N393858.47	E924378.25
Pt	20042	N393808.45	E924382.63
Pt	20043	N393808.47	E924377.96
Pt	20045	N393708.47	E924377.38
Pt	20046	N393568.46	E924381.22
Pt	20047	N393568.47	E924376.56
Pt	20048	N393518.46	E924380.93
Pt	20049	N393518.47	E924376.27
Pt	20052	N393708.45	E924382.04
Pt	20061	N393871.89	E924513.34
Pt	20062	N393871.98	E924498.34
Pt	20063	N393671.98	E924497.17
Pt	20064	N393672.04	E924487.17

SW 1/4 - SW 1/4  
SECTION 10, T. 9 S., R. 6 E., 3rd P.M.

FILE NAME = #FILE#	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>RIGHT OF WAY PLAN</b>	F.A.P. RTE. 869	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		DRAWN -	REVISED -					Saline	82	26	
		CHECKED -	REVISED -			SCALE: 50	SHEET NO. 1 OF 1 SHEETS	CONTRACT NO. 78065			
		DATE -	REVISED -			STA. TO STA.		ILLINOIS FED. AID PROJECT			

PLAN	DESIGNED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	NO.		
	FILE NAME		

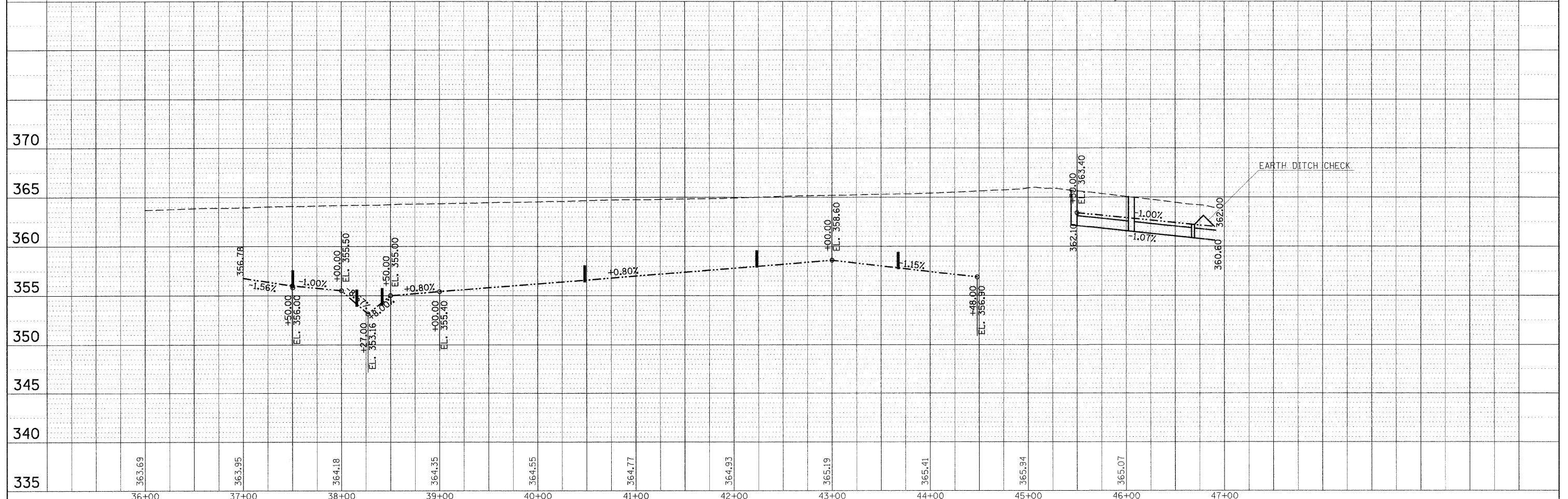
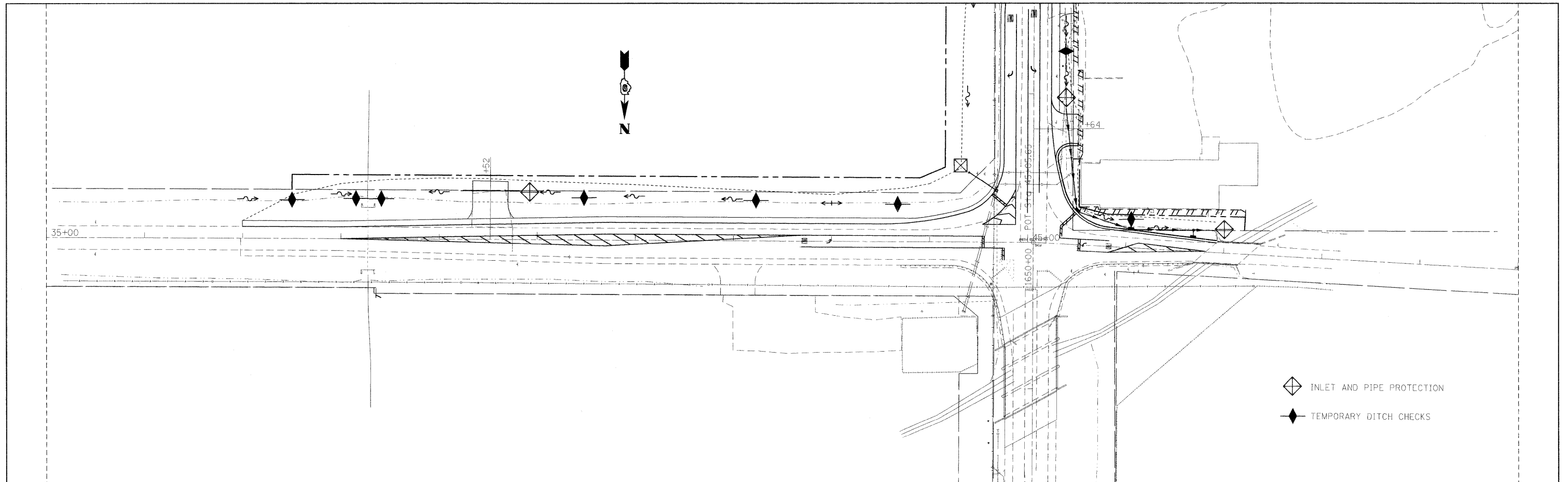
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	NO.		
	FILE NAME		



FILE NAME =	USER NAME = rollavr	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TEMPORARY EROSION CONTROL PLAN IL 34</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
cs:\pa_work\PWID00\ROLLAVR\dms51181\d97807	2_sht.plnprf.dgn	DRAWN -	REVISED -		869	105(TS-2,N-1,RS-3,RS-2)	SALINE	82	27			
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -		SCALE: 50			SHEET NO. OF SHEETS		CONTRACT NO. 78065		
	PLOT DATE = 10/9/2009	DATE -	REVISED -		STA. 1630+00 TO STA. 1643+00			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PLAN	DESIGNED	BY	DATE
	PLOTTED		
	ALIGNMENT CHECKED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	ADD FILE NAME		

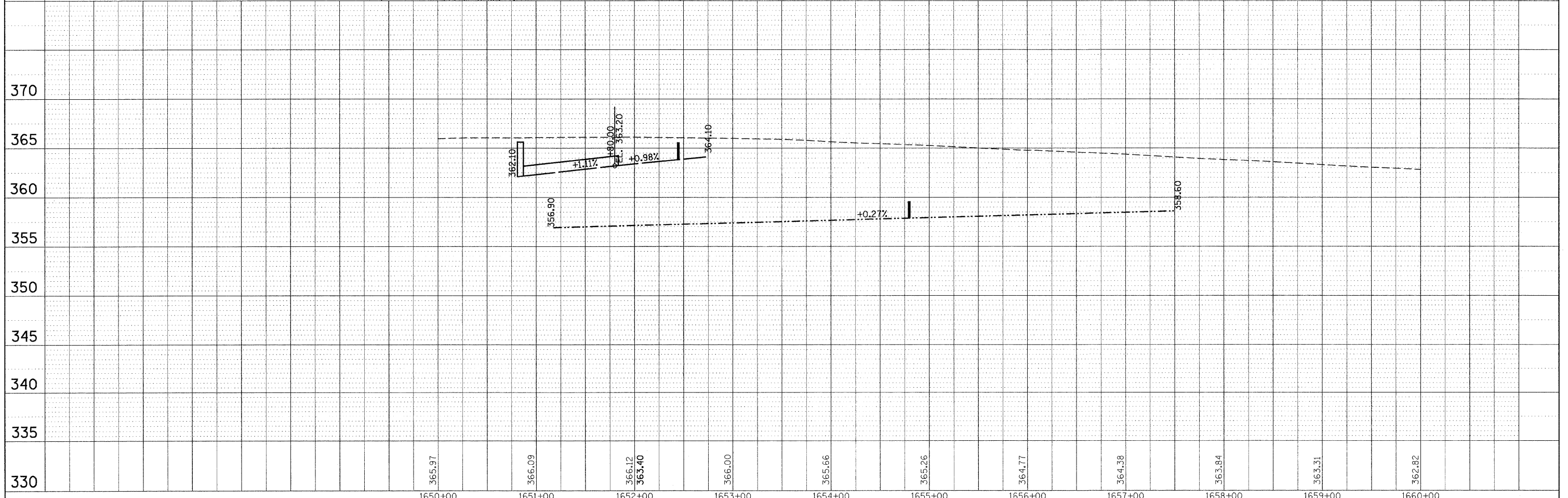
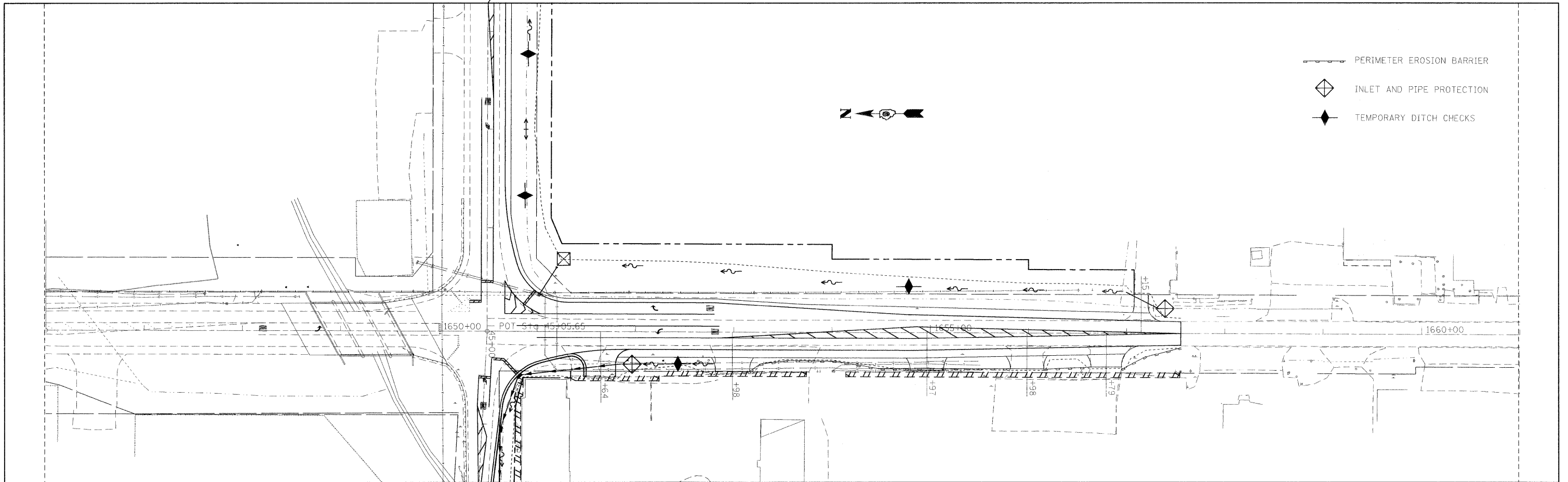
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	PLOTTED		
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	NOTE BOOK NO.		
	ADD FILE NAME		



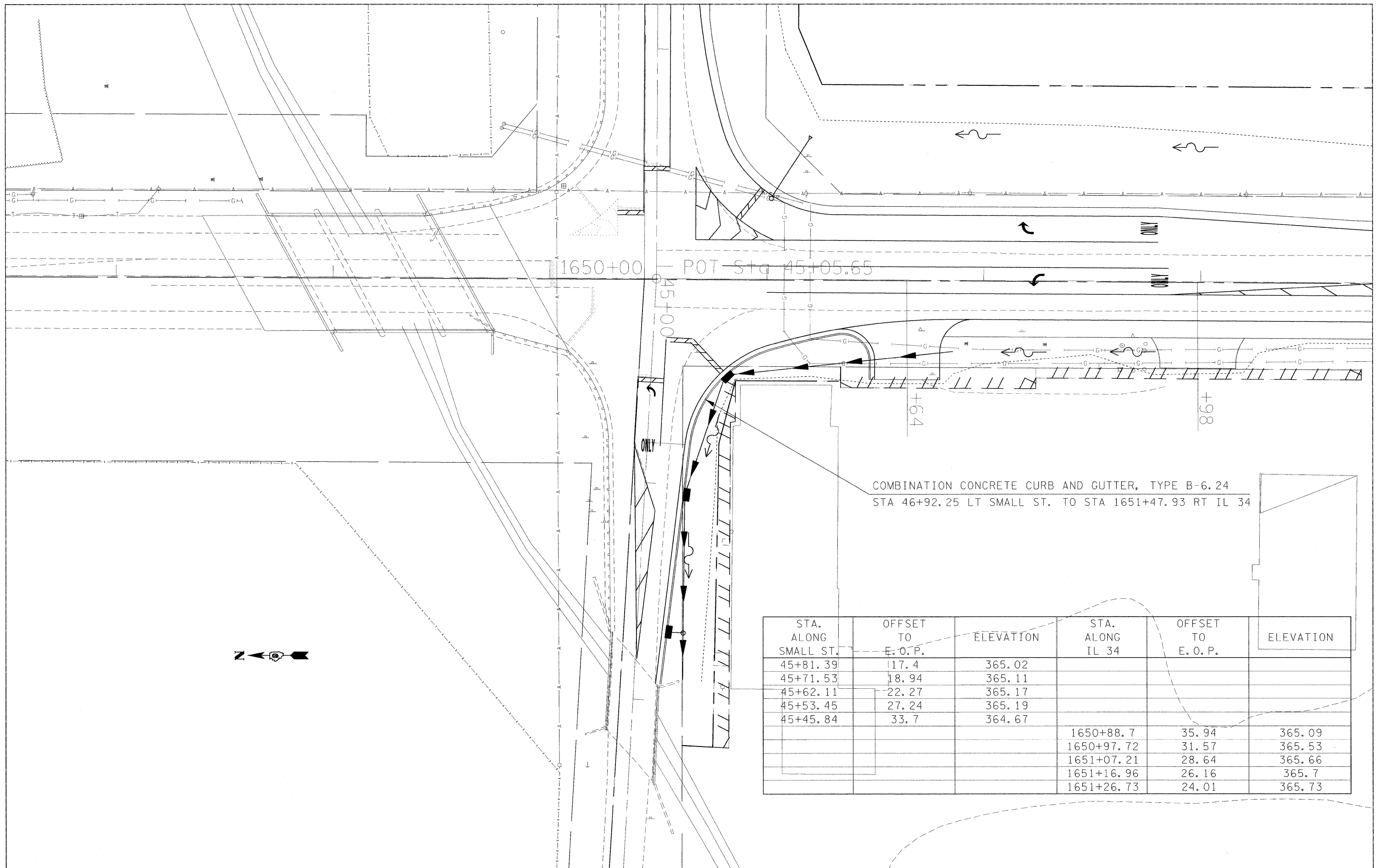
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c:\pwwork\pwwid01\COLEMM\des43714\d978065-sht-plr.dgn		DRAWN -	REVISED -		SCALE: 50	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 78065		
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PLOT DATE = 10/9/2009		DATE -	REVISED -								105(TS-2,N-1,RS-3,RS-2)		

PLAN	REVIEWED	BY	DATE
	PLOTTED		
	ALIGNMENT CHECKED		
	NOTE BOOK		
	NO.		
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PROFILE	REVIEWED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	NOTE BOOK		
	NO.		
	STRUCTURE NOTATIONS CHECKED		

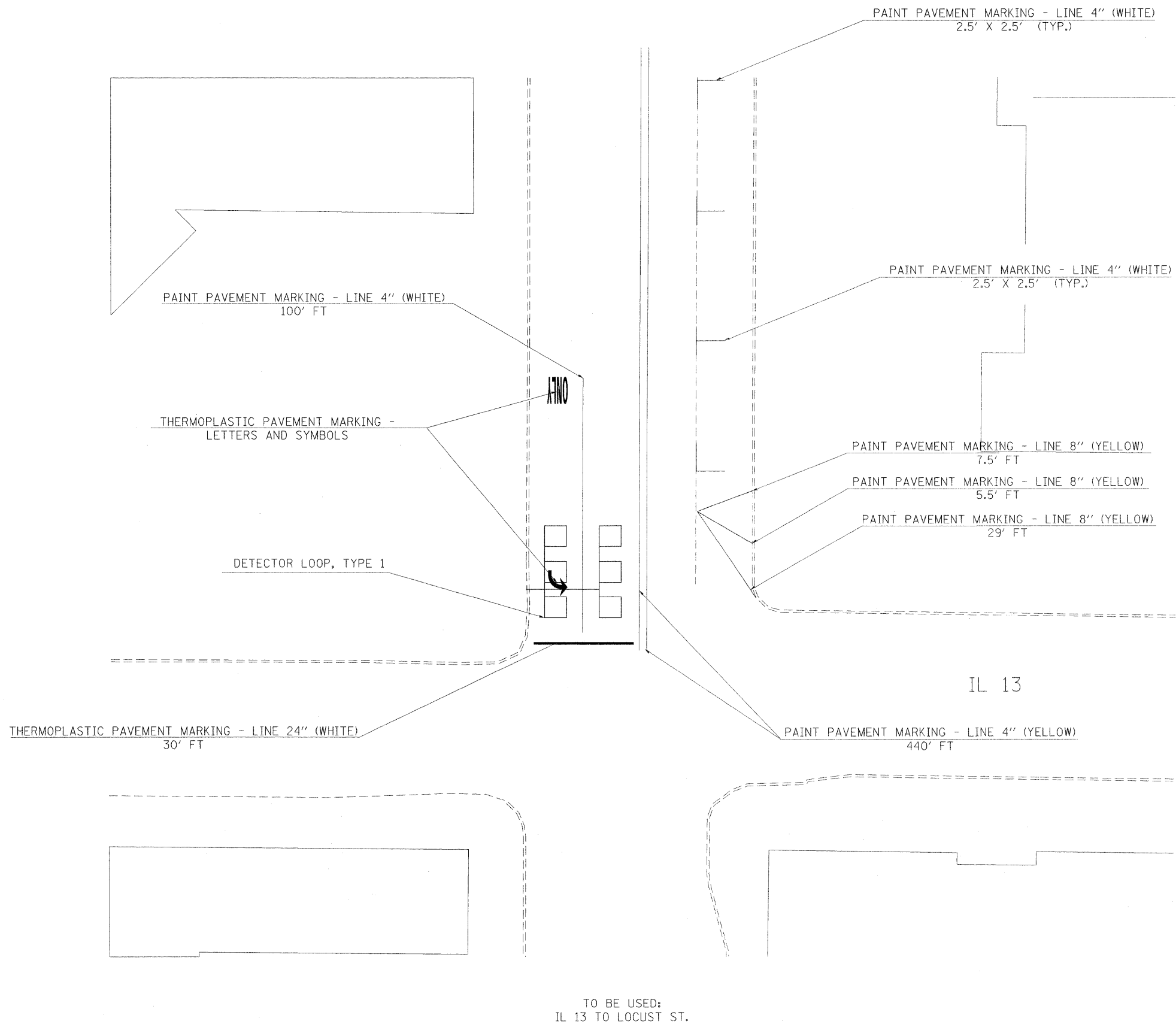


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c:\pwork\pwork\001\COLEMM\dms43714\d97885	sh:plpr.dgn	DRAWN -	REVISED -		869	*	Saline	82	29				
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -		SCALE: 50				CONTRACT NO. 78065				
	PLOT DATE = 10/9/2009	DATE -	REVISED -		SHEET NO. OF SHEETS STA. TO STA.				ILLINOIS FED. AID PROJECT				



COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24  
 STA 46+92.25 LT SMALL ST. TO STA 1651+47.93 RT IL 34

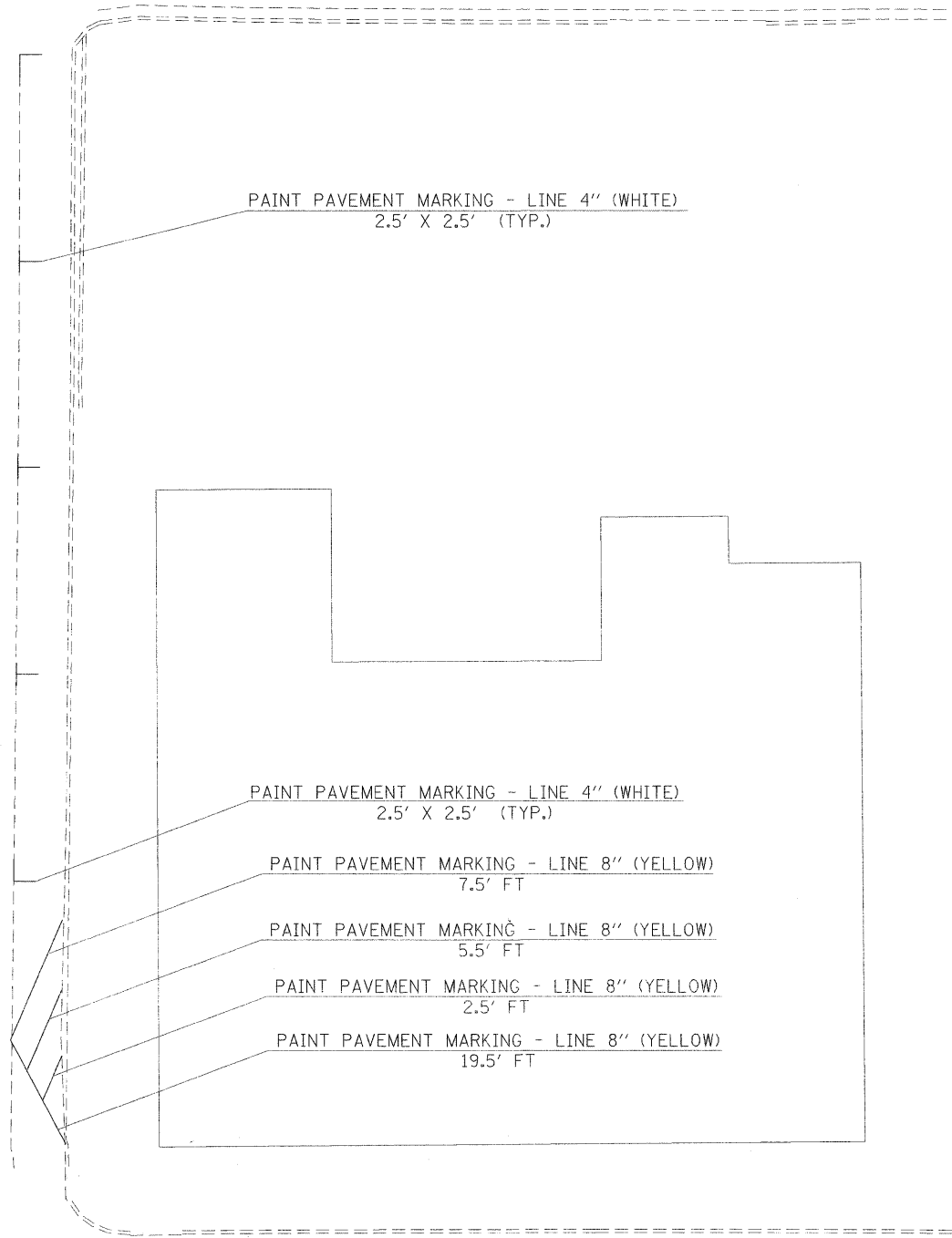
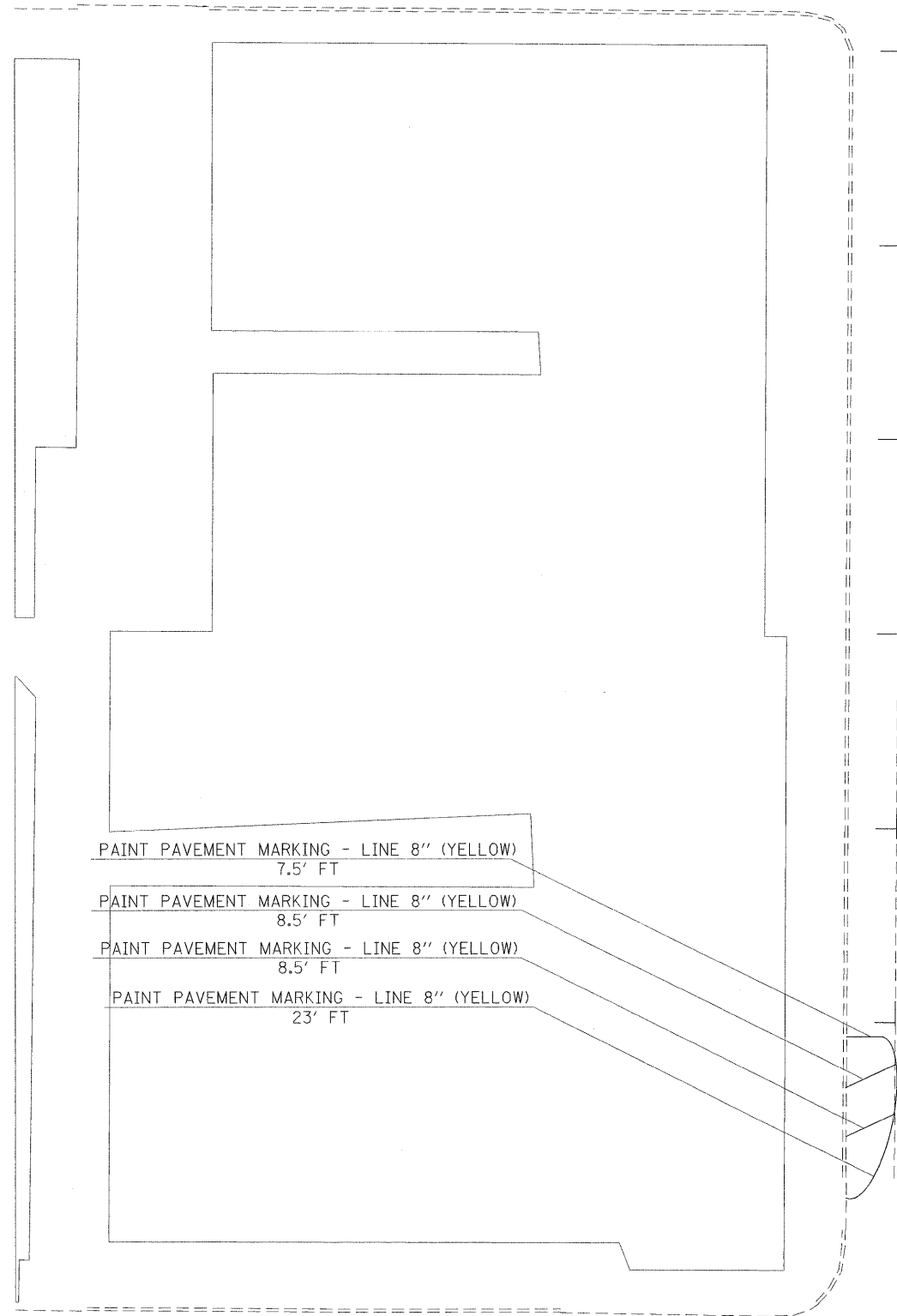
STA. ALONG SMALL ST.	OFFSET TO E. O. P.	ELEVATION	STA. ALONG IL 34	OFFSET TO E. O. P.	ELEVATION
45+81.39	17.4	365.02			
45+71.53	18.94	365.11			
45+62.11	22.27	365.17			
45+53.45	27.24	365.19			
45+45.84	33.7	364.67			
			1650+88.7	35.94	365.09
			1650+97.72	31.57	365.53
			1651+07.21	28.64	365.66
			1651+16.96	26.16	365.7
			1651+26.73	24.01	365.73



TO BE USED:  
IL 13 TO LOCUST ST.

FILE NAME = #FILEL#	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETECTOR LOOP AND PAVEMENT MARKING DETAIL</b>			F.A.P. RTE. 869	SECTION •	COUNTY Saline	TOTAL SHEETS 82	SHEET NO. 31
	PLOT SCALE = #SCALE#	DRAWN -	REVISED -		SCALE: NONE	SHEET NO. 1 OF 3 SHEETS	STA.	TO STA.	CONTRACT NO. 78065			
	PLOT DATE = #DATE#	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -		105(TS-2,N-1,RS-3,RS-2)							

ELM ST.



TO BE USED:  
LOCUST ST. TO ELM ST.

LOCUST ST.

FILE NAME = \$FILEL\$	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING DETAIL</b>			F.A.P. RTE. 869	SECTION *	COUNTY Saline	TOTAL SHEETS 82	SHEET NO. 32
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	PLOT DATE = #DATE#	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -		105(TS-2,N-1,RS-3,RS-2)							



WALNUT ST.

PAINT PAVEMENT MARKING - LINE 4" (WHITE)  
2.5' X 2.5' (TYP.)

THERMOPLASTIC PAVEMENT MARKING - LINE 8" (YELLOW)  
4.5'

THERMOPLASTIC PAVEMENT MARKING - LINE 8" (YELLOW)  
7.5'

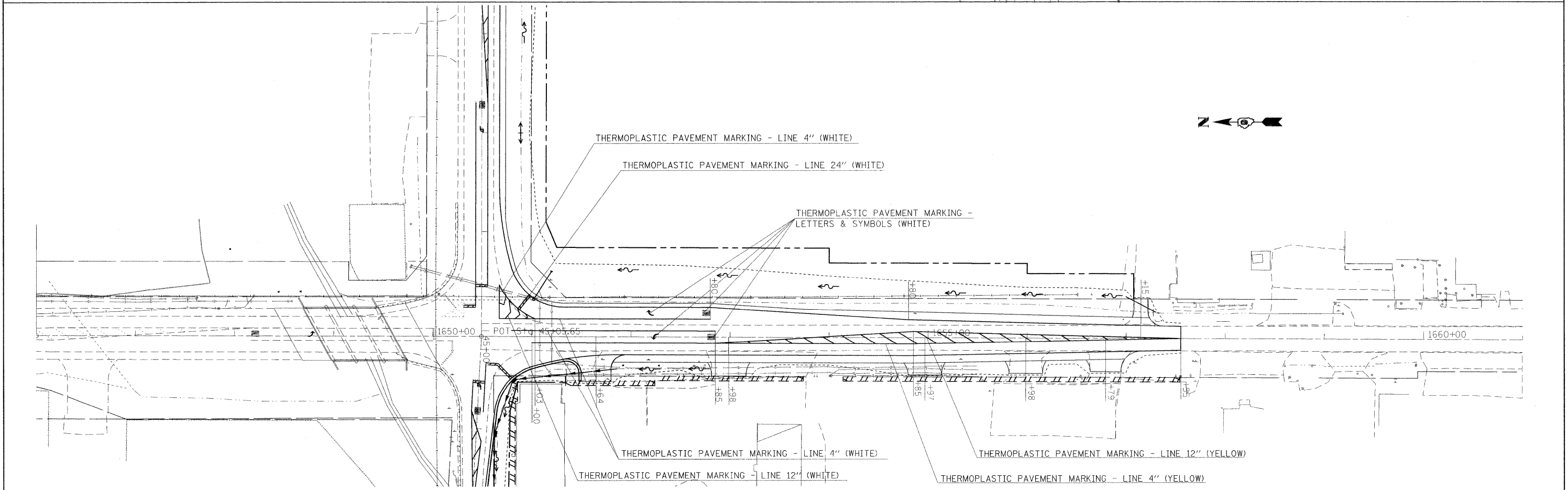
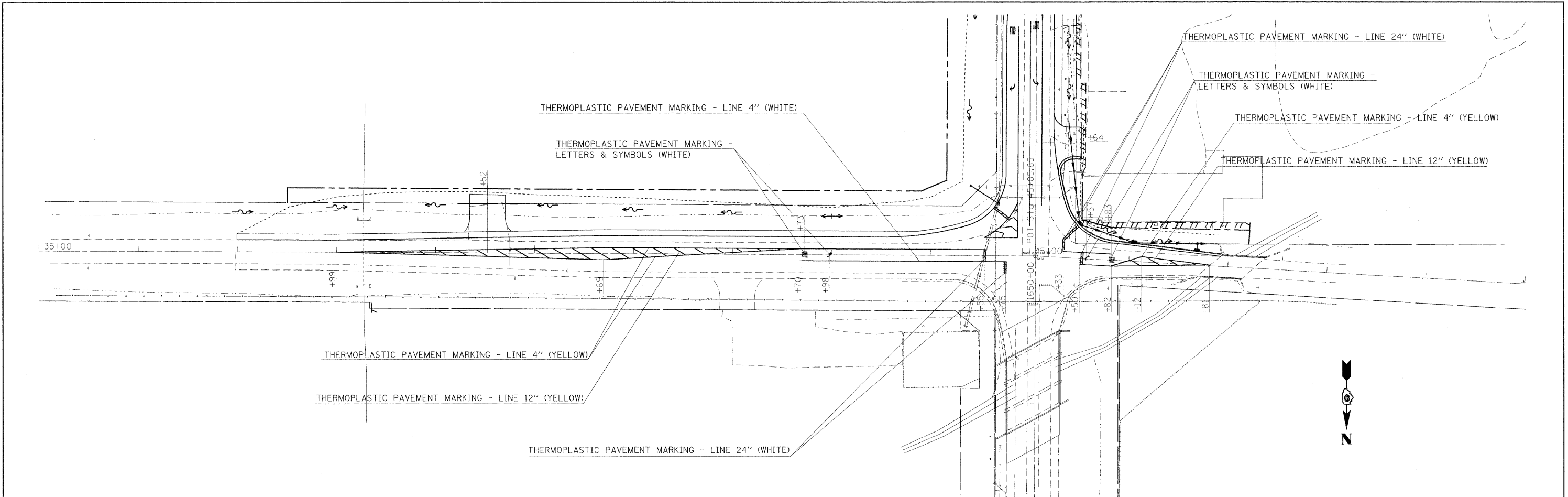
THERMOPLASTIC PAVEMENT MARKING - LINE 8" (YELLOW)  
5.5'



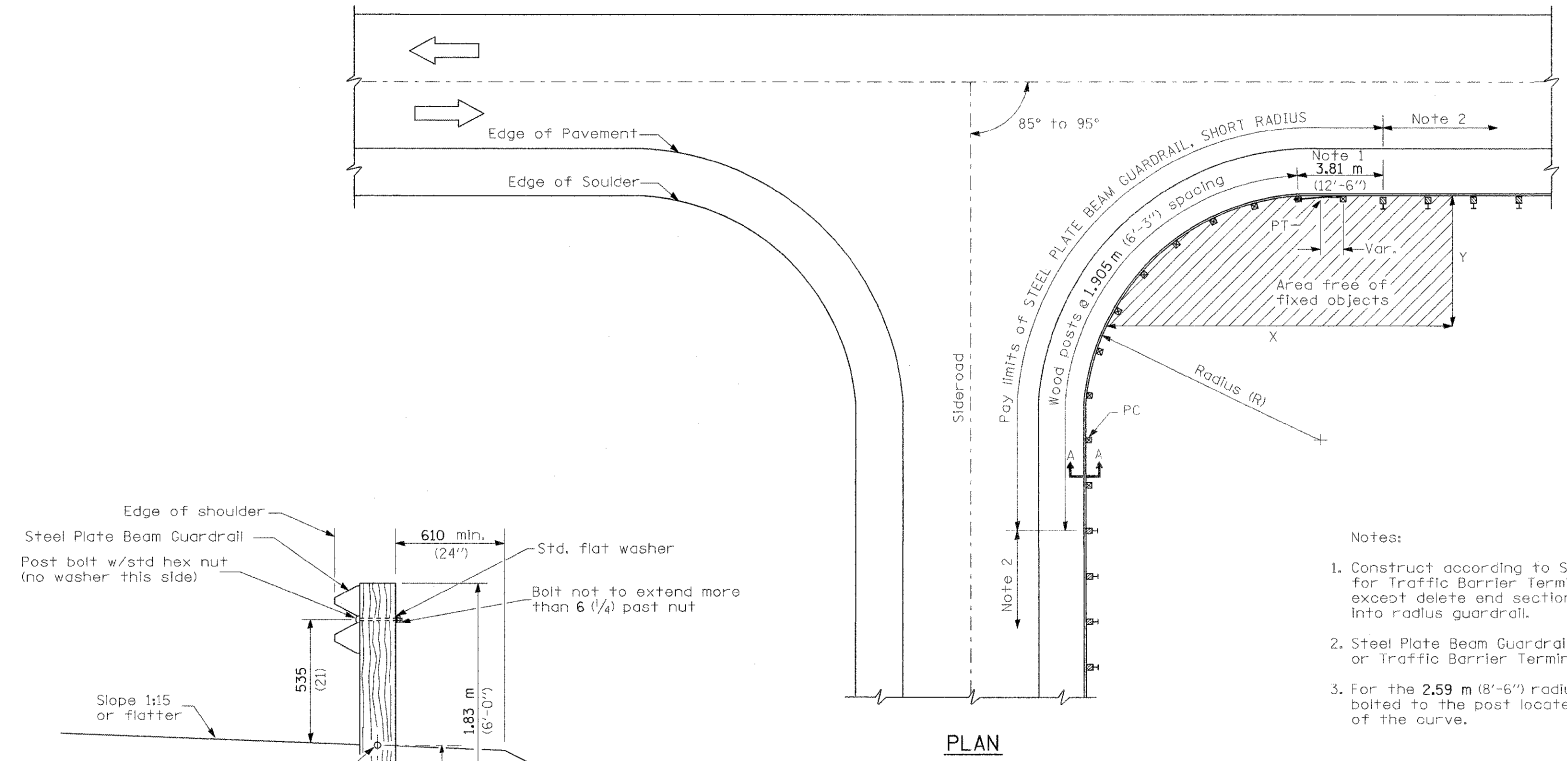
ELM ST.

TO BE USED:  
ELM ST. TO WALNUT ST.

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		DRAWN -	REVISED -		SCALE: NONE	SHEET NO. 3	OF 3	SHEETS	STA.	TO STA.	CONTRACT NO. 78065	
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		PLOT DATE = #DATE#	REVISED -		105(TS-2,N-1,RS-3,RS-2)							



FILE NAME =	USER NAME = colemm	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING - IL 34/SMALL ST.</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ci:\pwwork\pww\d00\COLEMM\dms43714\d978865-shit-plr.dgn	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED -					869	.	Saline	82	34
PLOT DATE = 10/9/2009	DATE -	CHECKED -	REVISED -		SCALE: 50    SHEET NO.    OF    SHEETS    STA.    TO STA.			CONTRACT NO. 78065				
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



- Notes:
1. Construct according to Standard 631011 for Traffic Barrier Terminal Type 2, except delete end section and splice into radius guardrail.
  2. Steel Plate Beam Guardrail Type A, Type B, or Traffic Barrier Terminal as specified.
  3. For the 2.59 m (8'-6") radius, the rail is not bolted to the post located at the midpoint of the curve.

INSTALLATION CHARACTERISTICS PER DESIGN RADIUS (R)			
R	NO. OF WOOD POSTS	X	Y
2.59 (8'-6")	5 (Note 3)	7.6 m (25')	4.6 (15')
5.18 (17'-0")	6	9.1 m (30')	4.6 (15')
7.77 (25'-6")	8	12.2 m (40')	6.1 (20')
10.67 (35'-0")	11	15.2 m (50')	6.1 (20')

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).  
All dimensions are in millimeters (inches) unless otherwise shown.

STEEL PLATE BEAM GUARDRAIL, SHORT RADIUS

BDE Memo 36-03 Attachment A

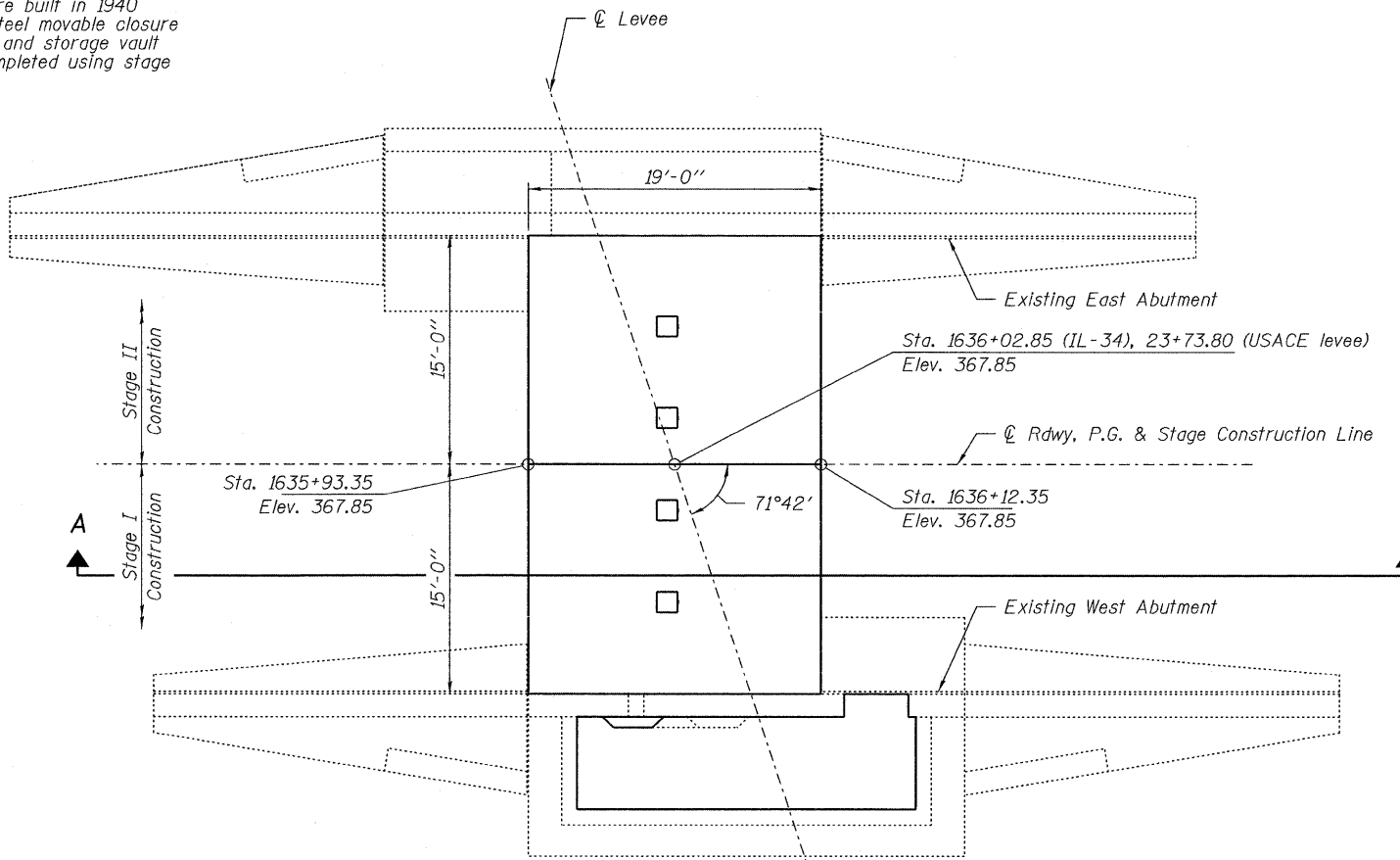
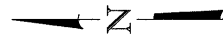
**BENCHMARK:**

EXISTING STRUCTURE: Existing levee closure structure built in 1940 as part of contract #W559eng-4880. The existing steel movable closure structure is to be replaced and the existing RC walls and storage vault are to be modified and reused. This work will be completed using stage construction to maintain traffic.

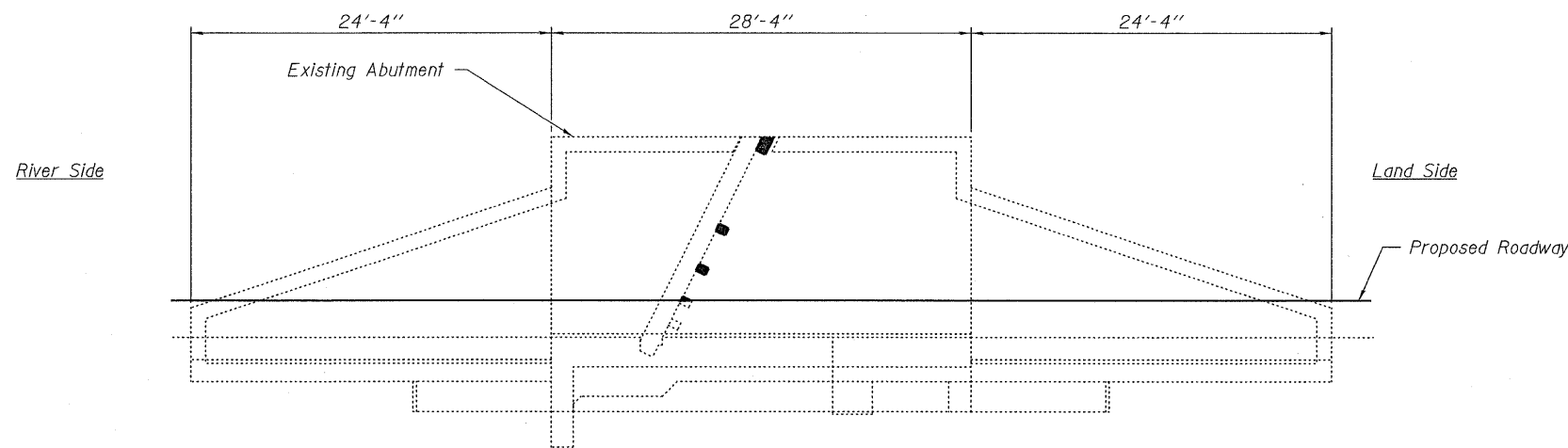
No Salvage.

**INDEX OF STRUCTURE SHEETS**

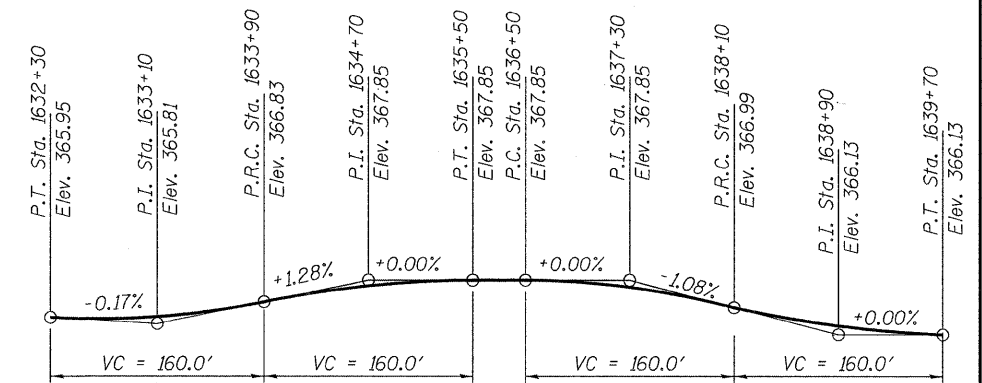
1. General Plan and Elevation
2. General Details
3. Concrete Sill Slab Elevations
4. Concrete Sill Slab, Vault & Walls
5. Sill Slab, Wall & Vault Modification Plan
6. Sill Slab, Wall & Vault Modification Details
7. Truss Anchorage Assembly
8. Truss Plan
9. Truss Plan Details
10. Truss Plan Details
11. Wall Panel Plan
12. Wall Panel Plan
13. Vault Storage Plan
14. Bar Splicer Details



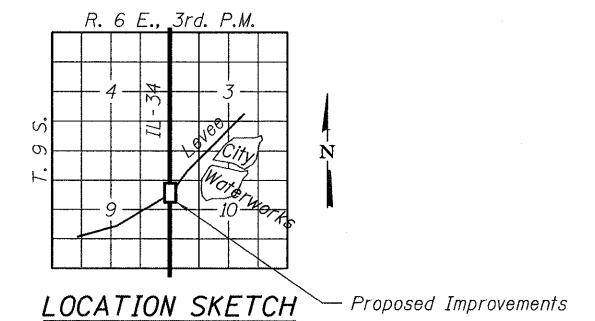
**PLAN**



**SECTION A-A**



**PROFILE GRADE**  
(Along Centerline Rdwy.)



**LOCATION SKETCH** - Proposed Improvements



10/1/2009

Michael D. Cira  
ILLINOIS STRUCTURAL NO. 081-5984 Expires: 11-30-2010

**GENERAL PLAN AND ELEVATION**  
**IL-34 THROUGH LEVEE**  
**FAP 869/SECTION (105)RS-2**  
**SALINE COUNTY**  
**STATION 1636+02.85 (IL-34)**  
**STATION 23+73.80 (USACE levee)**  
**MOVABLE LEVEE CLOSURE STRUCTURE**

DESIGNED - T.P.L.
CHECKED - M.D.C., S.M.S.
DRAWN - P.J.L.
CHECKED - J.L.B.

**DESIGN SPECIFICATIONS**

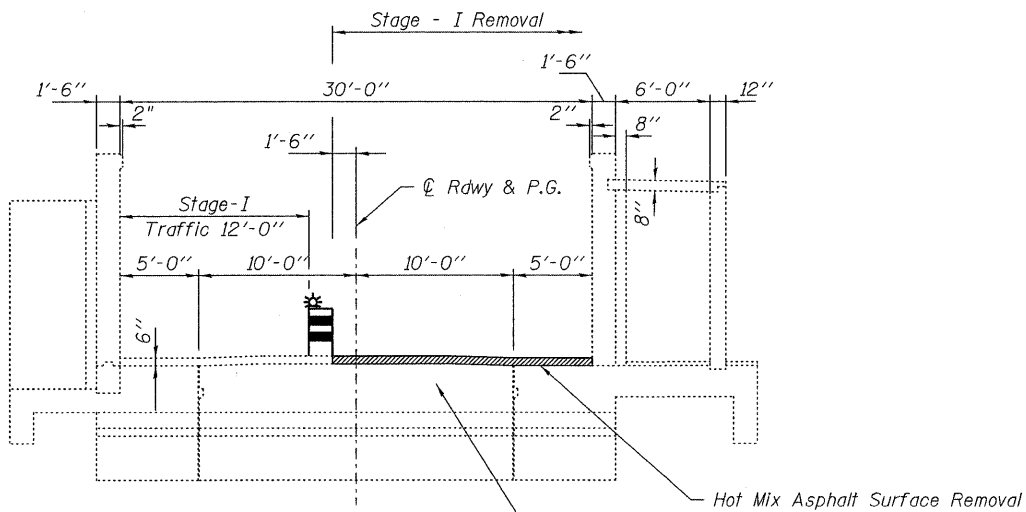
CECW-ED Engineer Manual 1110-2-2705.

**DESIGN STRESSES**

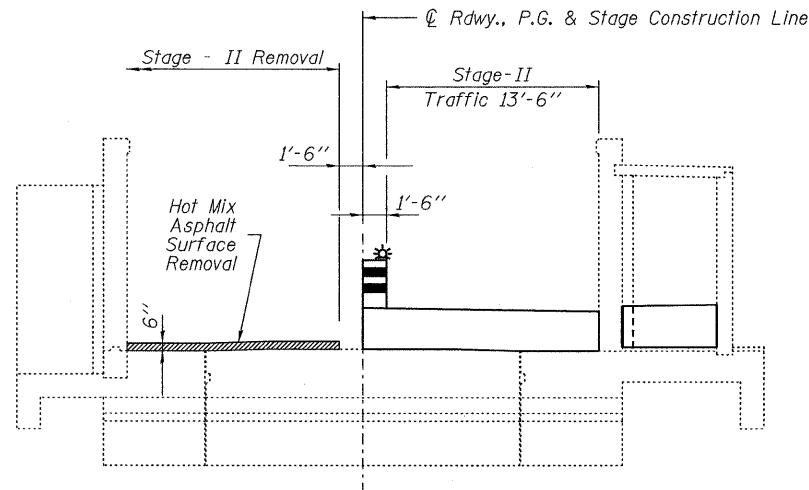
**FIELD UNITS**

$f'_c = 3,500$  psi  
 $f_y = 60,000$  psi (Reinf.)  
 $f_y = 50,000$  psi (AASHTO M270 Grade 50)

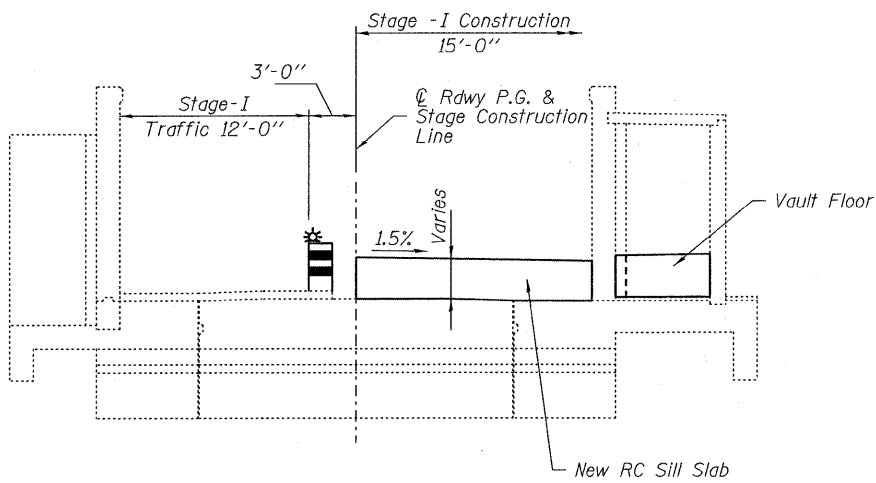
<b>HAMPTON, LENZINI &amp; RENWICK, INC.</b> CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400	SHEET NO. 1	FAP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14 SHEETS	869	(105)RS-2	SALINE	82	36
PROJECT NUMBER: 08.0214.130	DATE: 10/01/09	IL-34 HARRISBURG		CONTRACT NO. 78079		
		FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT



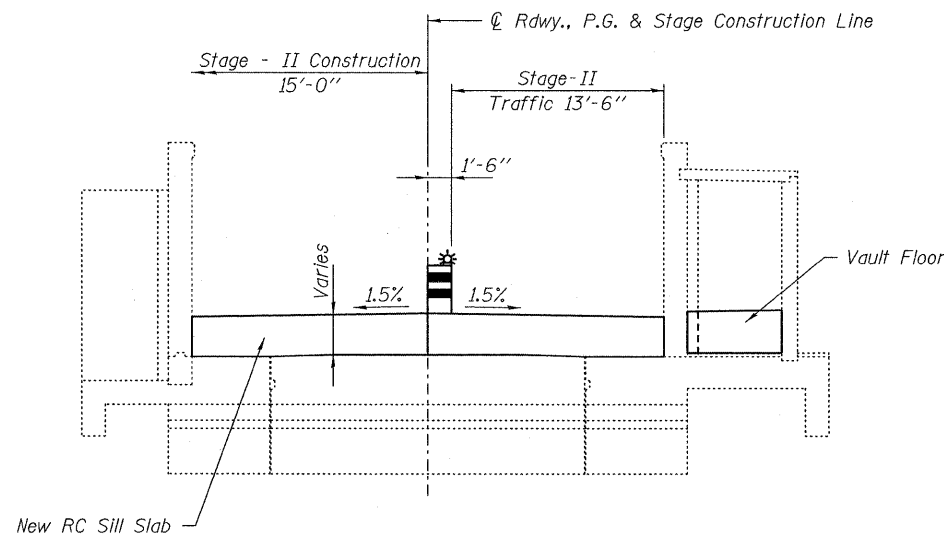
**STAGE I REMOVAL**



**STAGE II REMOVAL**



**STAGE I CONSTRUCTION**



**STAGE II CONSTRUCTION**

**STAGE CONSTRUCTION DETAILS**

(all cross sections looking south)

*Note:*  
Hatched area indicates removal.

**GENERAL NOTES**

Calculated weight of Structural Steel = 9,460 lbs.  
 No field welding is permitted except as specified in the contract documents.  
 Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.  
 Reinforcement bars designated (E) shall be epoxy coated.  
 Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

**TOTAL BILL OF MATERIAL**

ITEM	UNIT	TOTAL
Removal of Existing Structures	Each	1
Concrete Structures	Cu. Yd.	68.0
Reinforcement Bars, Epoxy Coated	Pound	2,740
Bar Splicers	Each	40
Furnishing Structural Steel	LS	1
Anchor Bolts, 1/2"φ	Each	16
Door & Frame	Each	1
Plastic Sheeting, 10 mil, 20'x40' Sheet	Each	2
Hot Mix Asphalt Surface Removal, 6"	Sq. Yd.	64
Treated Timber	FBM	41
Bar Clamp	Each	9

DESIGNED - T.P.L.
CHECKED - M.D.C., S.M.S.
DRAWN - P.J.L.
CHECKED - J.L.B.

<b>HAMPTON, LENZINI &amp; RENWICK, INC.</b> CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400	SHEET NO. 2	FAP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14 SHEETS	869	(105)RS-2	SALINE	82	37
	PROJECT NUMBER: 08.0214.130	DATE: 10/01/09	IL-34 HARRISBURG		CONTRACT NO. 78079	
		FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT

**GENERAL DETAILS**  
**MOVABLE LEVEE CLOSURE STRUCTURE**

**EAST ABUT. FACE**

Location	Station	Offset	Theoretical Grade Elevations
N. End of Sill Slab	1635+93.35	-15.000	367.625
A	1636+03.35	-15.000	367.625
S. End of Sill Slab	1636+12.35	-15.000	367.625

**EAST EDGE OF PAVEMENT**

Location	Station	Offset	Theoretical Grade Elevations
N. End of Sill Slab	1635+93.35	-12.000	367.670
A	1636+03.35	-12.000	367.670
S. End of Sill Slab	1636+12.35	-12.000	367.670

**CL SLAB, ROADWAY, PG & STAGE CONSTRUCTION LINE**

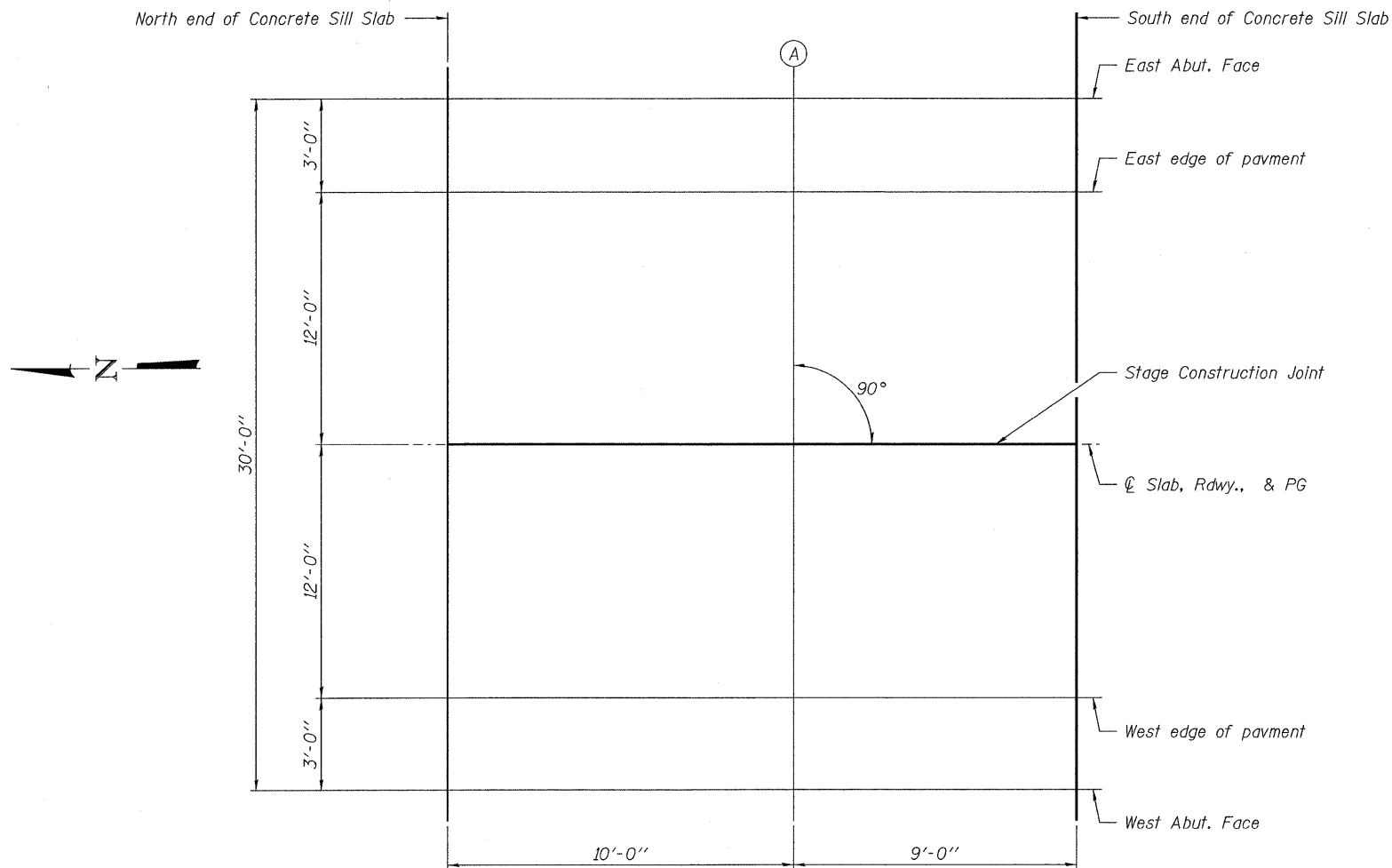
Location	Station	Offset	Theoretical Grade Elevations
N. End of Sill Slab	1635+93.35	0	367.850
A	1636+03.35	0	367.850
S. End of Sill Slab	1636+12.35	0	367.850

**WEST EDGE OF PAVEMENT**

Location	Station	Offset	Theoretical Grade Elevations
N. End of Sill Slab	1635+93.35	12.000	367.670
A	1636+03.35	12.000	367.670
S. End of Sill Slab	1636+12.35	12.000	367.670

**WEST ABUT. FACE**

Location	Station	Offset	Theoretical Grade Elevations
N. End of Sill Slab	1635+93.35	15.000	367.625
A	1636+03.35	15.000	367.625
S. End of Sill Slab	1636+12.35	15.000	367.625

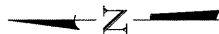


**PLAN**

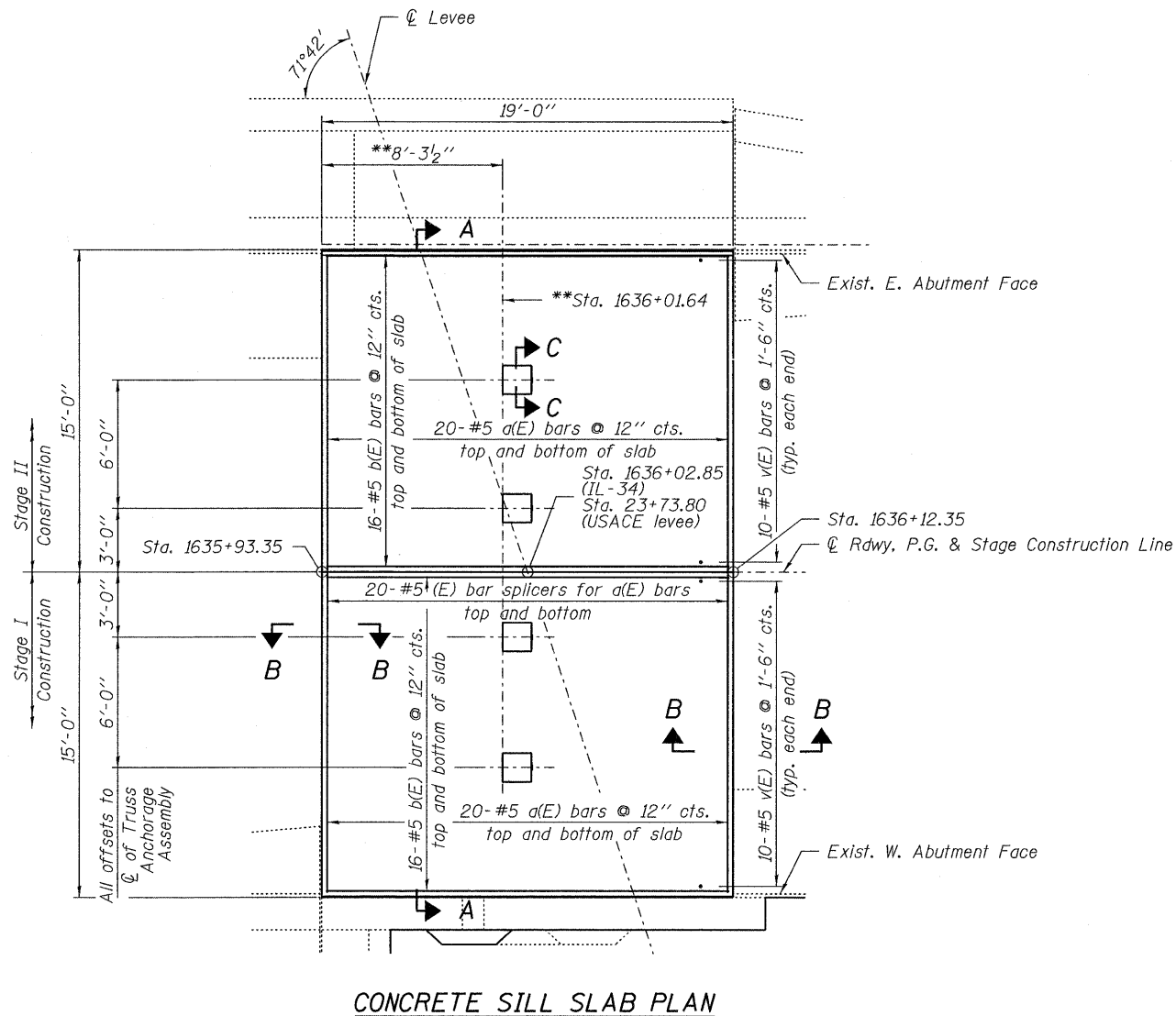
DESIGNED - T.P.L.
CHECKED - M.D.C., S.M.S.
DRAWN - P.J.L.
CHECKED - J.L.B.

**CONCRETE SILL SLAB ELEVATIONS  
MOVABLE LEVEE CLOSURE STRUCTURE**

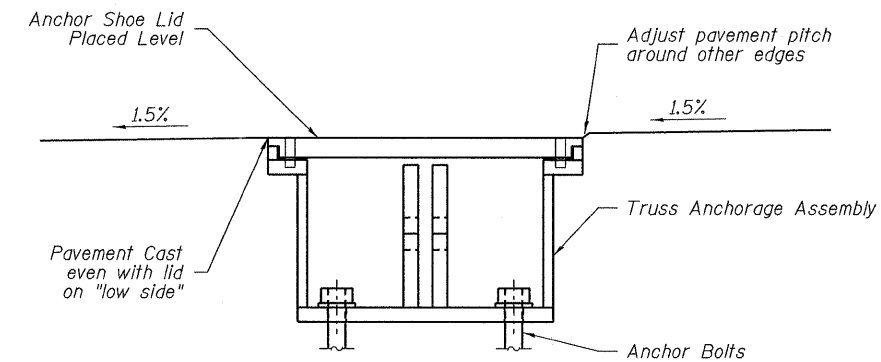
<b>HAMPTON, LENZINI &amp; RENWICK, INC.</b> CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400	SHEET NO. 3	FAP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PROJECT NUMBER: 08.0214.130	DATE: 10/01/09	IL-34 HARRISBURG		CONTRACT NO. 78079		
		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



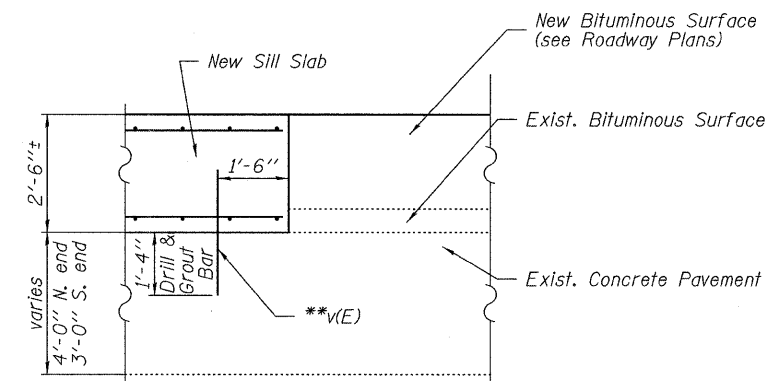
**\*\* Note:**  
The location of the Truss Anchorage Assemblies is to be verified by the Contractor prior to pouring the Concrete Sill Slab. Verify the location by running a string line from the base of the Abutment Wall Recess at Point-X (see sheet 5 of 14) to the same point at the same elevation on the opposite wall. The "River Side" (see sheet 7 of 14) edge of the Assembly will be placed at the indicated offsets from the  $\text{CL}$  of pavement at  $4\frac{3}{4}$ " North of the string line. This should equate to Sta. 1636+01.170 as shown on the plans.



**CONCRETE SILL SLAB PLAN**



**SECTION C-C**  
Truss Anchorage Assembly Placement  
(See sheet 7 of 14 for Truss Anchorage Assembly details)



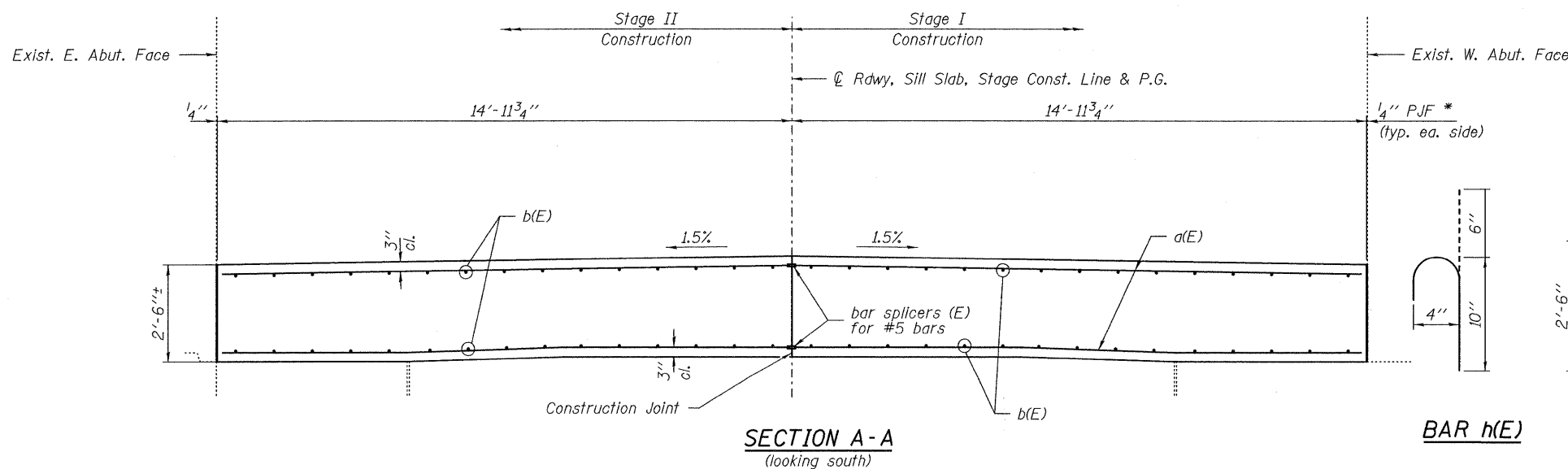
**SECTION B-B**

**BILL OF MATERIAL - SILL SLAB, WALL & VAULT**

BAR	NO.	SIZE	LENGTH	SHAPE		
a(E)	80	#5	14'-9"	—		
a <sub>1</sub> (E)	15	#4	5'-9"	—		
b(E)	64	#5	18'-8"	—		
b <sub>1</sub> (E)	8	#4	11'-5"	—		
b <sub>2</sub> (E)	4	#4	3'-6"	—		
h(E)	6	#4	1'-4"	C		
h <sub>1</sub> (E)	4	#4	5'-0"	┌		
v(E)	40	#5	2'-8"	—		
Concrete Structures					Cu. Yd.	68.0
Reinforcement Bars, Epoxy Coated					Pound	2,740
Door & Frame					Each	1

Note:  
\* Cost of  $\frac{1}{4}$ " PJF included with contract unit price for "Concrete Structures".  
For Truss Anchorage Assembly details see sheet 7 of 14.  
\*\* Cost of drilling and grouting bars in existing concrete pavement included in contract unit price for "Reinforcing Bars, Epoxy Coated".

**CONCRETE SILL SLAB, VAULT & WALLS MOVABLE LEVEE CLOSURE STRUCTURE**



**SECTION A-A**  
(looking south)

**BAR h(E)**

**BAR h<sub>1</sub>(E)**

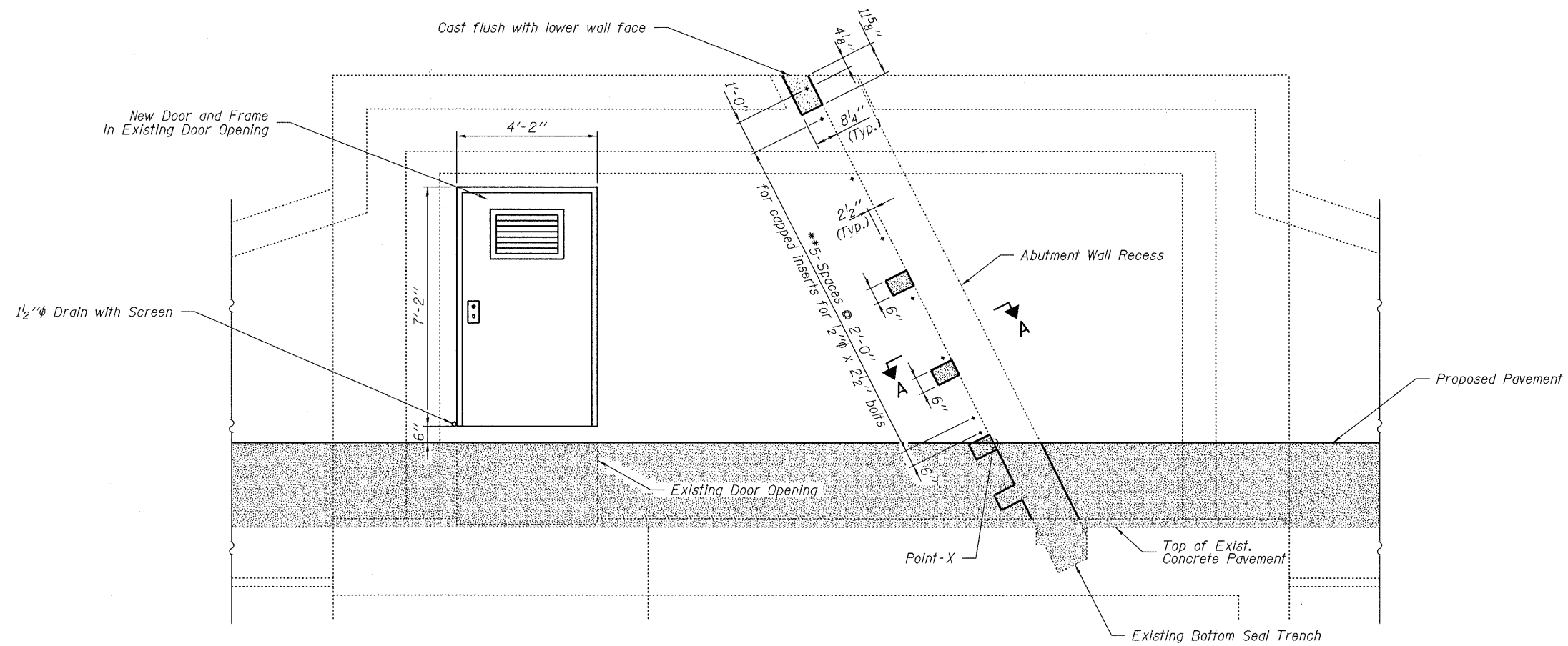
DESIGNED - T.P.L.
CHECKED - M.D.C., S.M.S.
DRAWN - P.J.L.
CHECKED - J.L.B.

**HAMPTON, LENZINI & RENWICK, INC.**  
CIVIL & STRUCTURAL ENGINEERS  
LAND SURVEYORS  
**HLR** 3085 STEVENSON DRIVE, SUITE 201  
SPRINGFIELD, ILLINOIS 62703  
(217) 546-3400

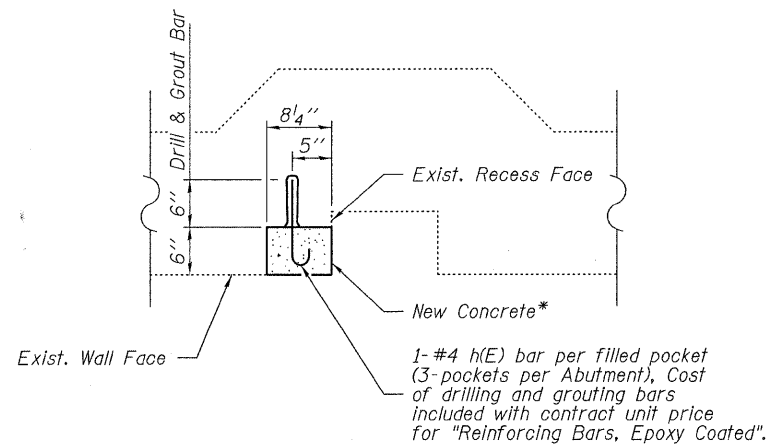
SHEET NO. 4  
14 SHEETS

FAP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
869	(105)RS-2	SALINE	82	39
IL-34 HARRISBURG		CONTRACT NO. 78079		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

PROJECT NUMBER: 08.0214.130 DATE: 10/01/09



**EXTERIOR WEST WALL ELEVATION**  
(East Wall similar except no door)




**SECTION A-A**

**Notes:**

- See sheet 4 of 14 for Bill of Material.
- For additional Vault Modification details see sheet 6 of 14.
- For New Door and Frame & 1/2"φ Drain with Screen details see Special Provisions.
- \* Clean and Fill Pockets with concrete to match existing wall and recess faces (Cost included with contract unit price for "Concrete Structures") (Typical each Wall).
- \*\* Cost of capped inserts included with contract unit price for "Concrete Structures".
- The Existing Bottom Seal Trench will be emptied of all existing fill material and cleaned with a high pressure water jet prior to placing the new Concrete Sill Slab. Cost of work included with contract unit price for "Hot Mix Asphalt Surface Removal, 6\"
- The top surface of the Existing Concrete Pavement located within the limits of the new Concrete Sill Slab shall be roughened and cleaned prior to placing the new Concrete Sill Slab. Roughening of the top surface may be by mechanical or high pressure water jet to produce a minimum 1/4" surface roughness profile. Cost of roughening and cleaning the Existing concrete pavement included with contract unit price for "Concrete Structures".

**SILL SLAB, WALL &  
VAULT MODIFICATION PLAN  
MOVABLE LEVEE CLOSURE STRUCTURE**

DESIGNED - T.P.L.
CHECKED - M.D.C., S.M.S.
DRAWN - P.J.L.
CHECKED - J.L.B.

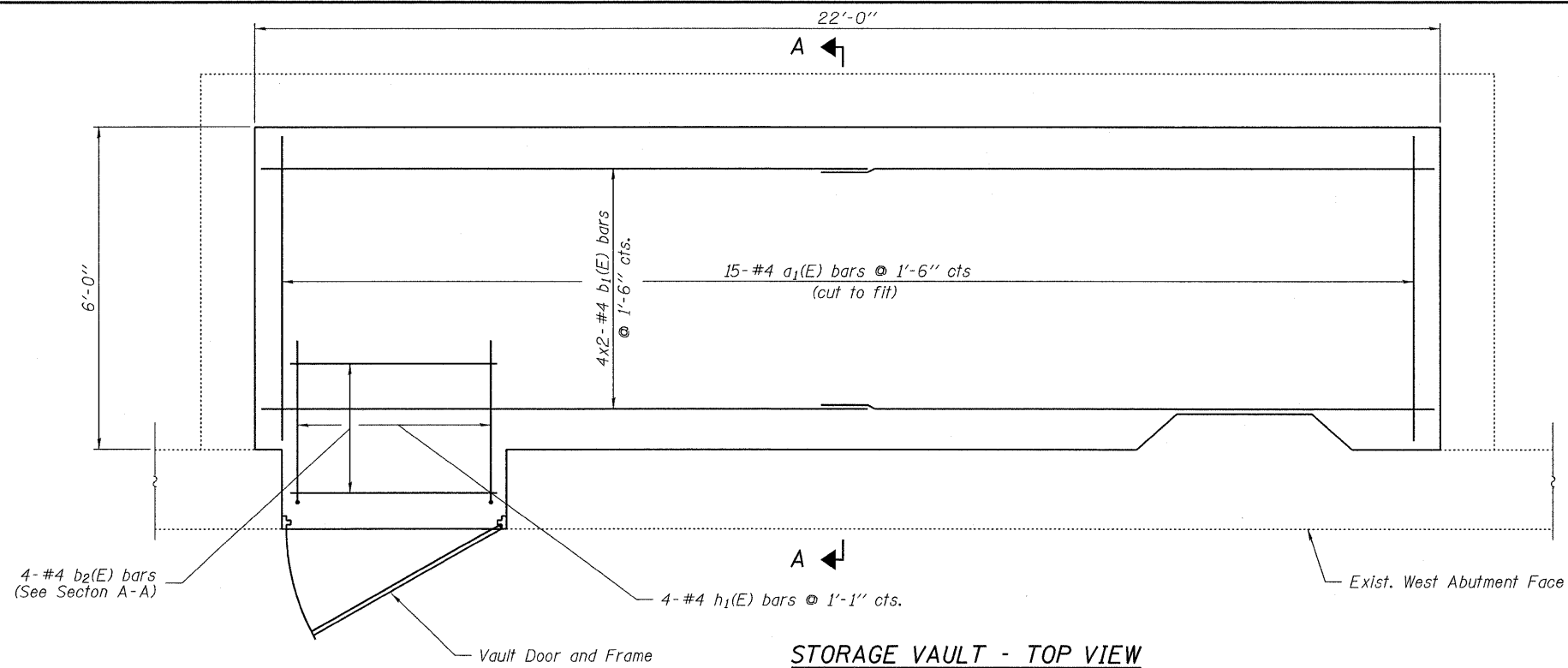
<b>HAMPTON, LENZINI &amp; RENWICK, INC.</b> CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS  3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400	SHEET NO. 5	FAP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14 SHEETS	869	(105)RS-2	SALINE	82	40
PROJECT NUMBER: 08.0214.130	DATE: 10/01/09	IL-34 HARRISBURG		CONTRACT NO. 78079		
		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



Notes:

See sheet 4 of 14 for Bill of Material.

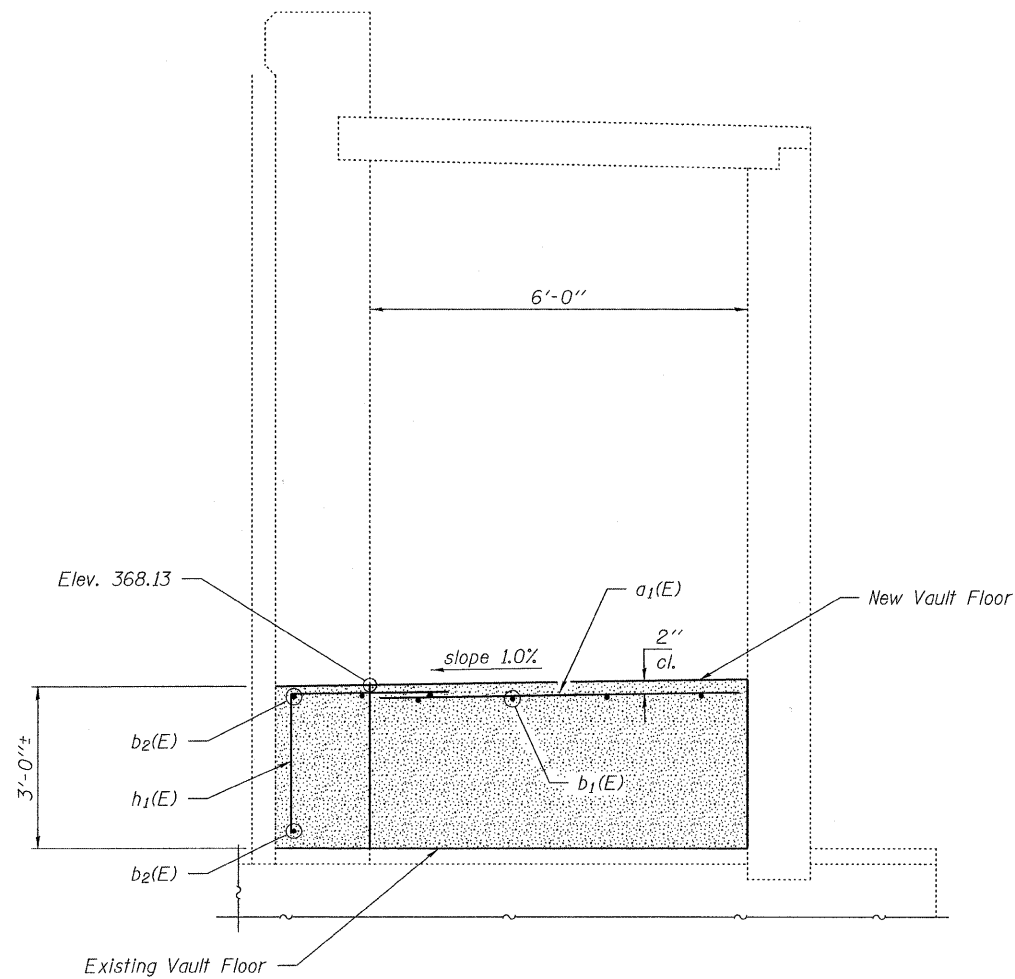
Bars indicated thus 4x2-#4 etc, indicates 4 lines of bars with 2 lengths per line.



STORAGE VAULT - TOP VIEW

MIN. BAR LAP

#4 bar = 1'-0"

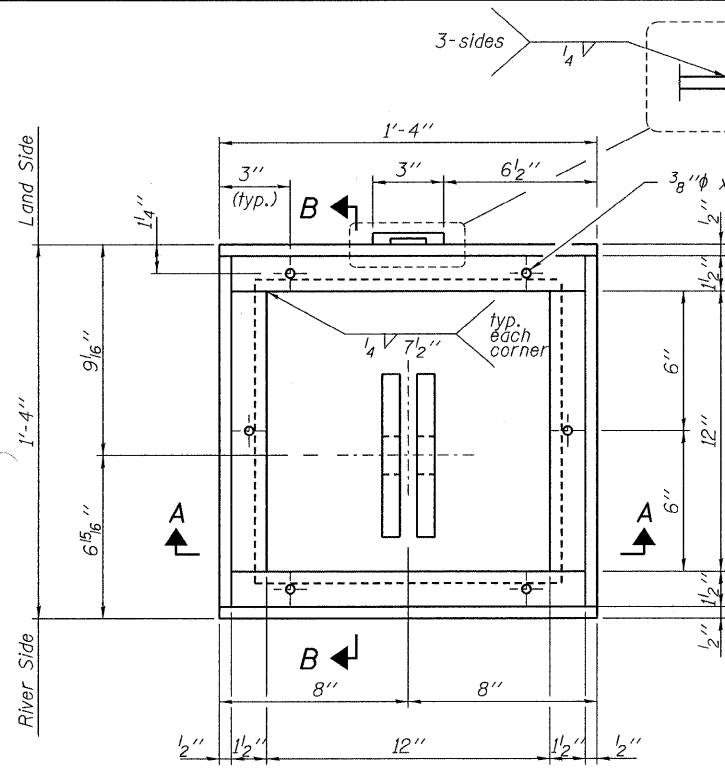


SECTION A-A

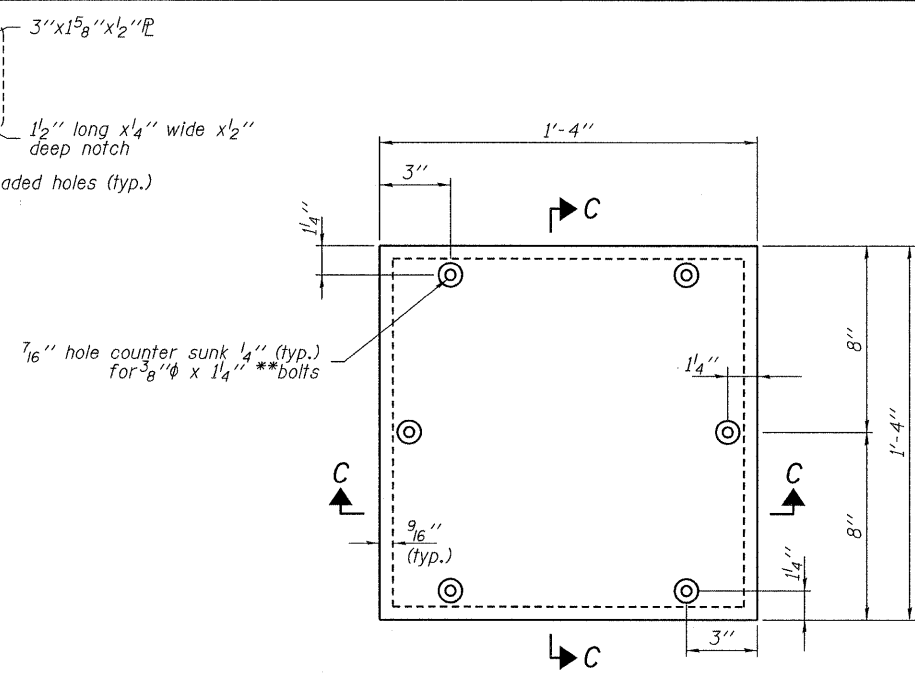
SILL SLAB, WALL &  
VAULT MODIFICATION DETAILS  
MOVABLE LEVEE CLOSURE STRUCTURE

DESIGNED - T.P.L.
CHECKED - M.D.C., S.M.S.
DRAWN - P.J.L.
CHECKED - J.L.B.

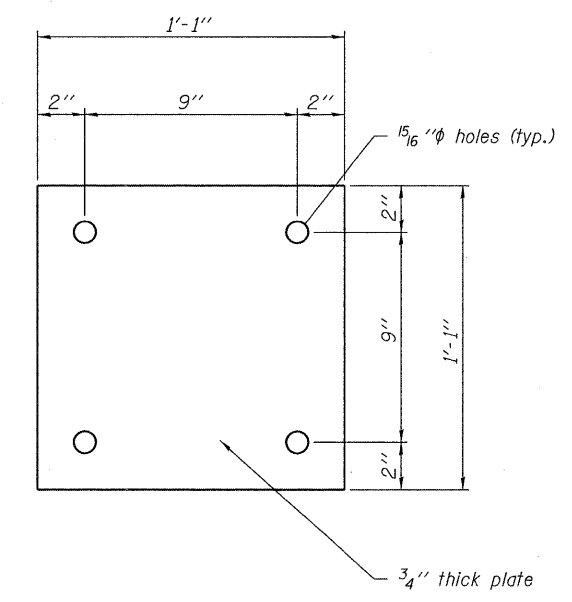
<b>HAMPTON, LENZINI &amp; RENWICK, INC.</b> CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400	SHEET NO. 6	FAP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14 SHEETS	869	(105)RS-2	SALINE	82	41
PROJECT NUMBER: 08.0214.130	DATE: 10/01/09	IL - 34 HARRISBURG		CONTRACT NO. 78079		
		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



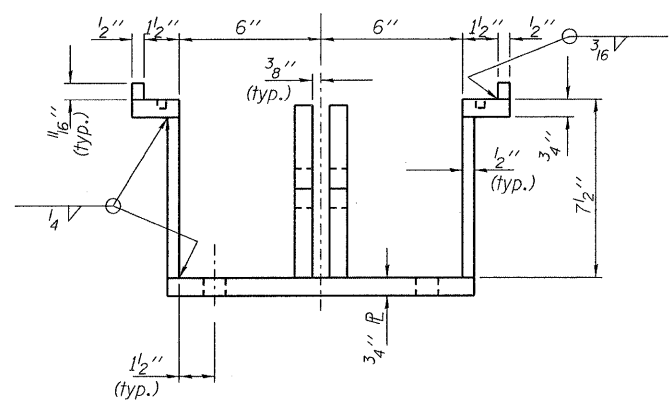
**ANCHOR SHOE**



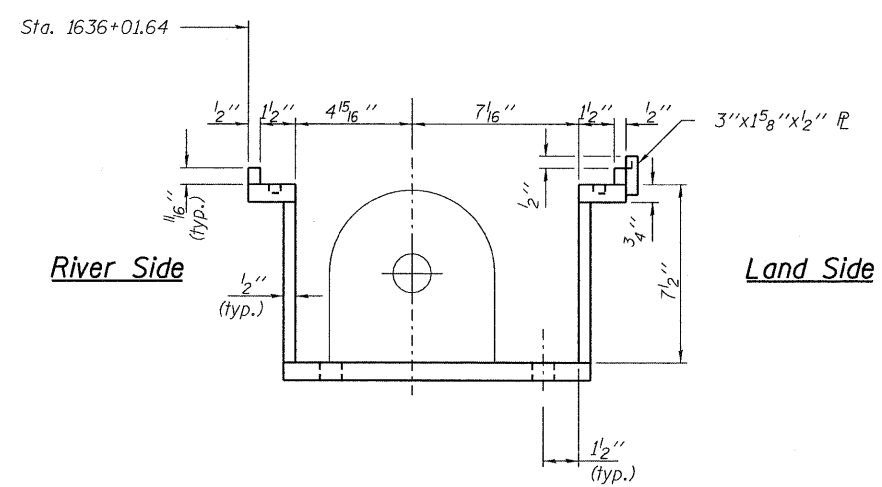
**ANCHOR SHOE LID**



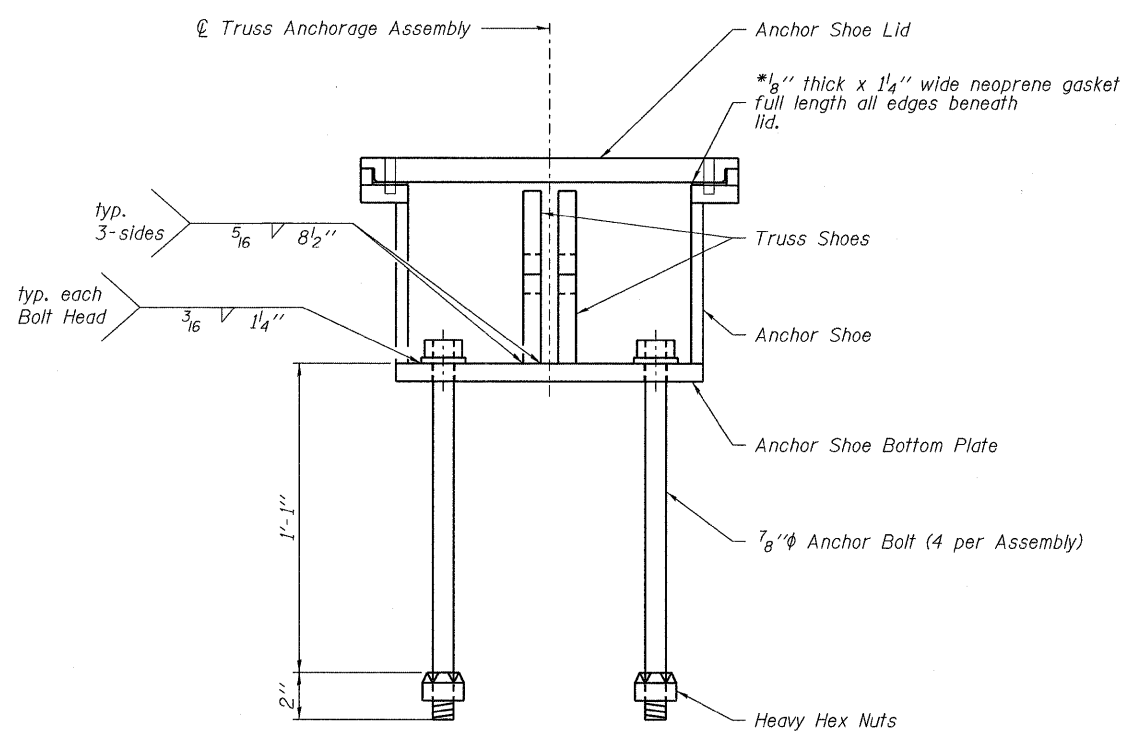
**ANCHOR SHOE BOTTOM PLATE**



**SECTION A-A**

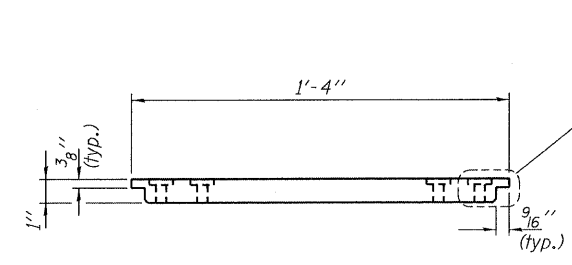


**SECTION B-B**

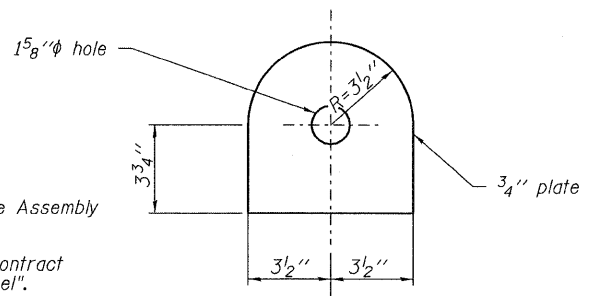


**TRUSS ANCHORAGE ASSEMBLY**

(4 Assemblies required)



**SECTION C-C**



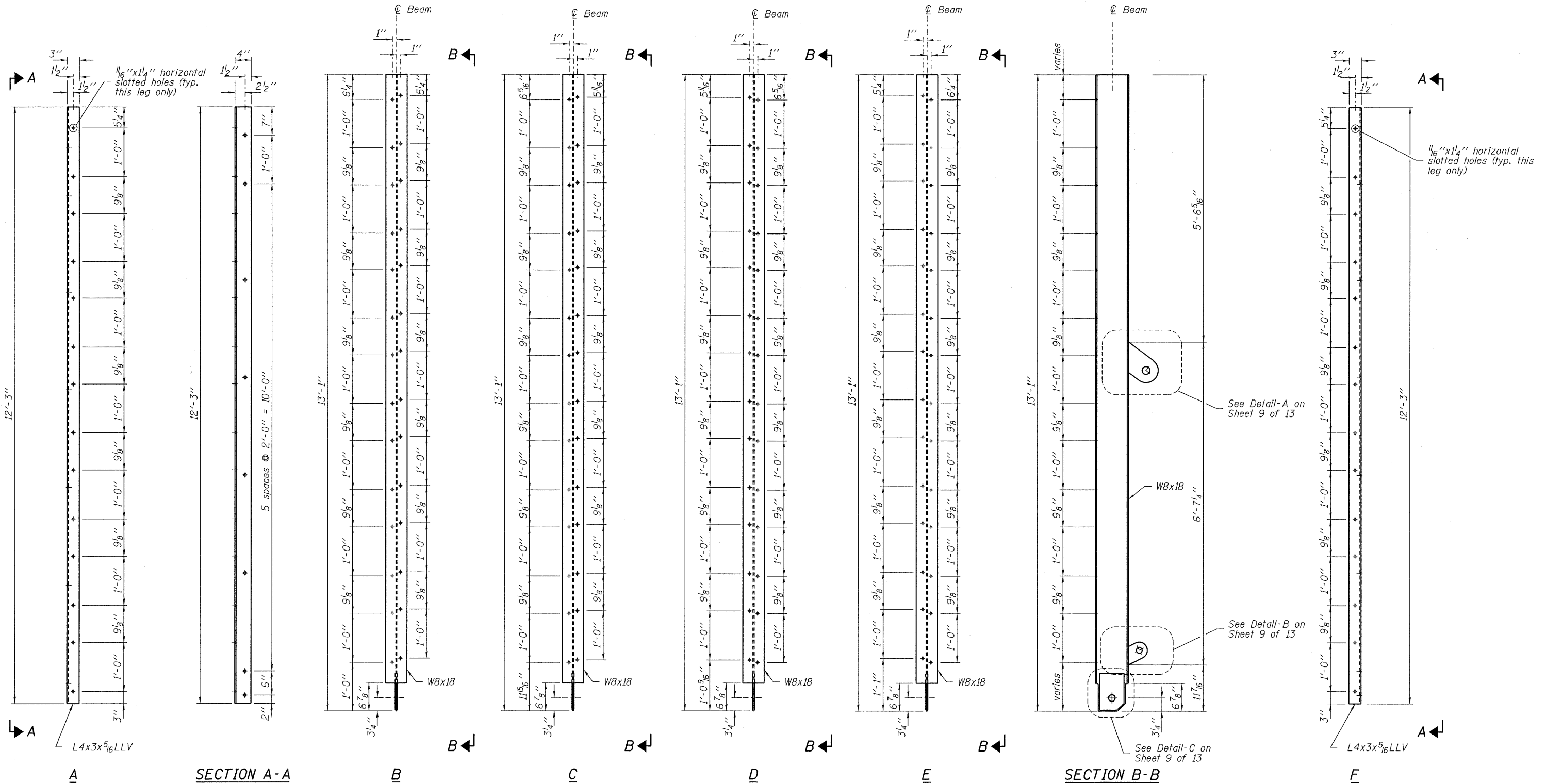
**TRUSS SHOE**

(2 per Assembly)

**Notes:**  
 All steel plates used in Truss Anchorage Assembly shall be AASHTO M270 Grade 50.  
 \*Cost of neoprene gasket included with contract unit price for "Furnishing Structural Steel".  
 Anchor bolts shall be ASTM 1554, Grade 50 with 2 1/4" x 2 1/4" x 5/16" R washer under head of bolt.  
 Truss Anchorage Assembly shall be galvanized according to AASHTO M111 after fabrication.  
 Cost of Truss Anchorage Assembly included with contract unit price for "Furnishing Structural Steel".  
 \*\*Use hardened Stainless Steel Hex Leaded bolts with anti-sieze compound on the threads.

DESIGNED - T.P.L.
CHECKED - M.D.C., S.M.S.
DRAWN - P.J.L.
CHECKED - J.L.B.

<b>HAMPTON, LENZINI &amp; RENWICK, INC.</b> CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS <b>HLR</b> 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400 PROJECT NUMBER: 08.0214.130      DATE: 10/01/09	SHEET NO. 7	FAP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14 SHEETS	869	(105)RS-2	SALINE	82	42
		IL-34 HARRISBURG	CONTRACT NO. 78079			
		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



**Notes:**

All W8x18 beams are AASHTO M270 Grade 50 steel.

All L4x3x5/16 are AASHTO M270 Grade 36 steel.

All components shown above shall be galvanized according to AASHTO M111 after fabrication.

All holes shown in above members are 1/16" φ unless otherwise noted.


Following fabrication and prior to galvanizing, each member detailed above will have the letter shown below placed on it in 2 1/2" tall by 3/16" thick block capital letters using weld bead at two locations on each side of the web approximately 2' from the ends, cost included with unit price for "Furnishing Structural Steel".

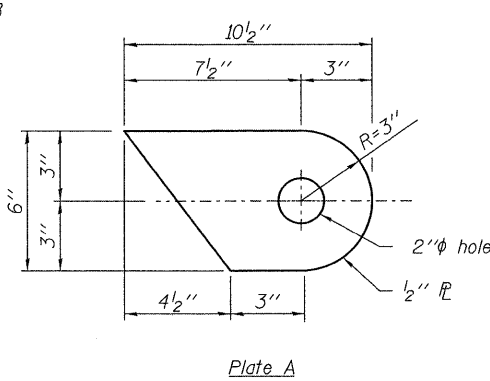
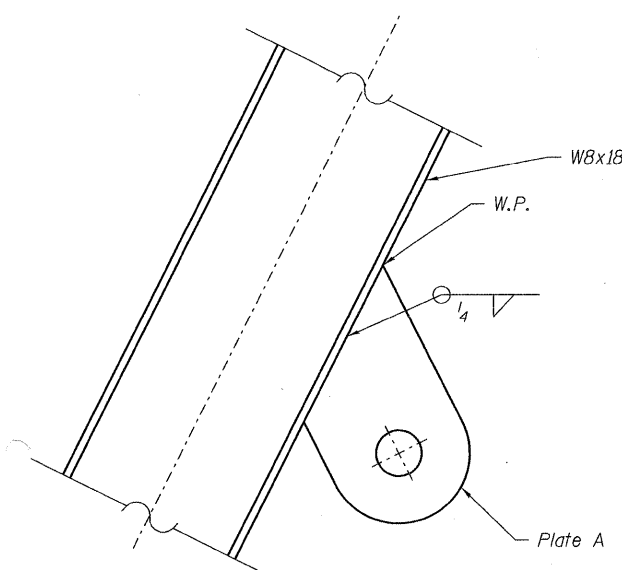
See sheets 9 and 10 of 14 for additional Truss details.

**TRUSS MAIN BEAMS & WALL PANEL SUPPORT ANGLES**

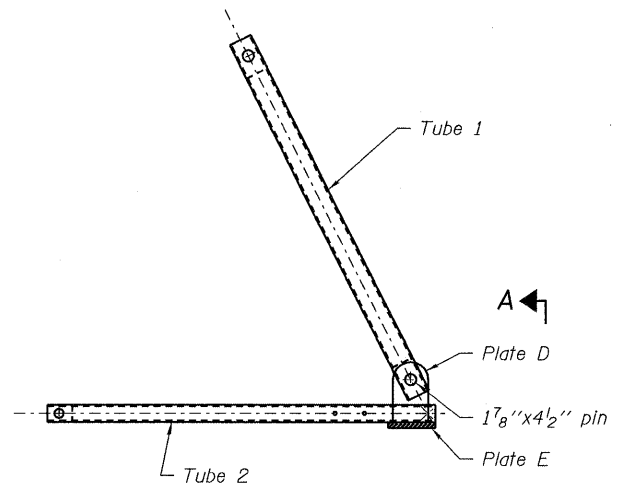
DESIGNED - T.P.L.
CHECKED - M.D.C., S.M.S.
DRAWN - P.J.L.
CHECKED - J.L.B.

**TRUSS PLAN  
MOVABLE LEVEE CLOSURE STRUCTURE**

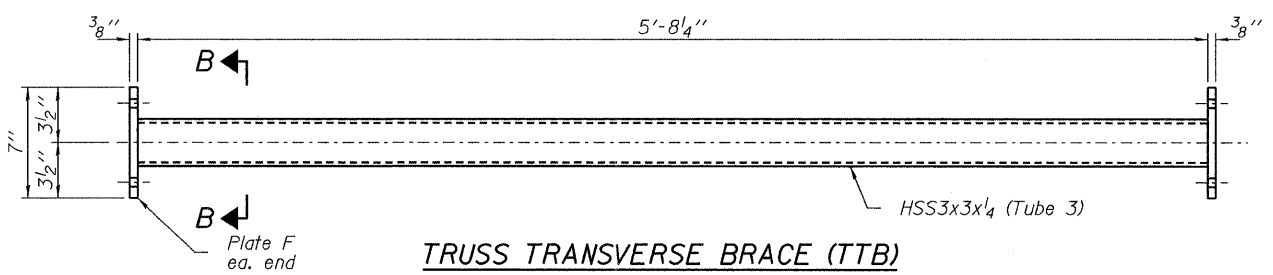
<b>HAMPTON, LENZINI &amp; RENWICK, INC.</b> CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS  3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400	SHEET NO. 8  14 SHEETS	FAP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		869	(105)RS-2	SALINE	82	43
PROJECT NUMBER: 08.0214.130		DATE: 10/01/09		IL-34 HARRISBURG		CONTRACT NO. 78079
		FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT



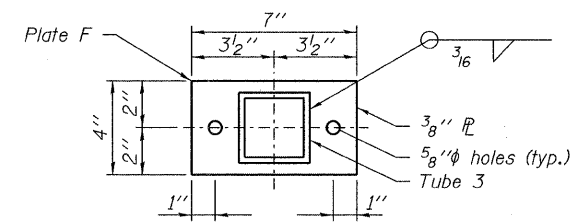
**DETAIL A**



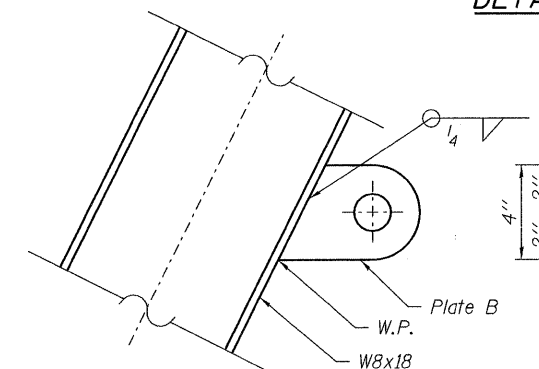
**SCISSOR TRUSS SECTION (STS)**  
(4-Required)



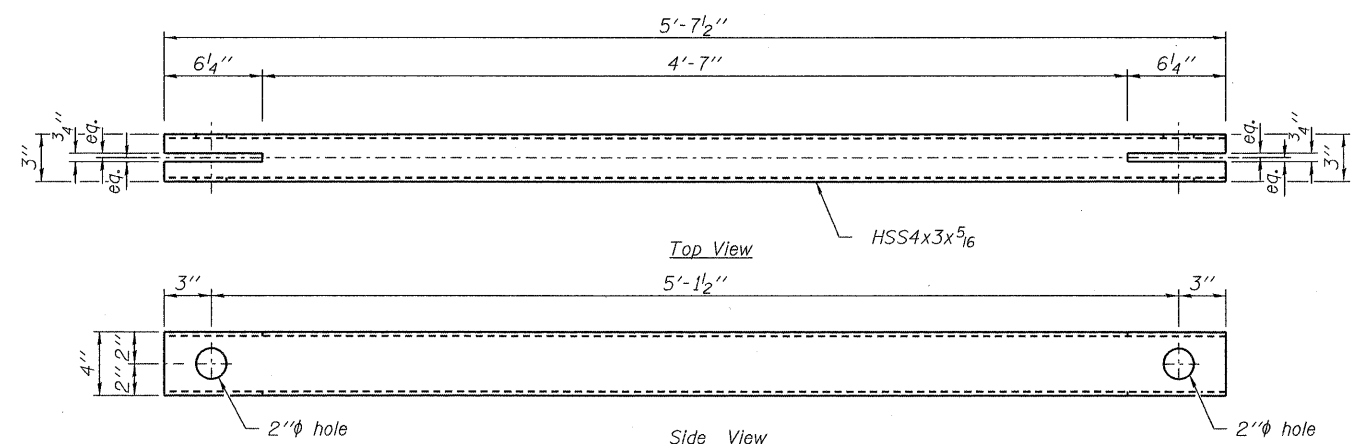
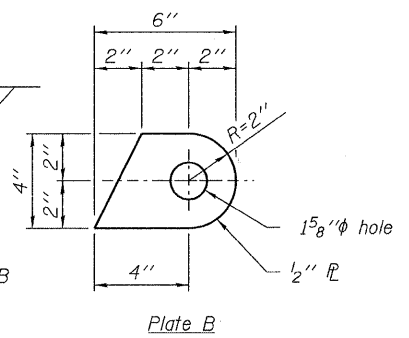
**TRUSS TRANSVERSE BRACE (TTB)**  
(3-Required)



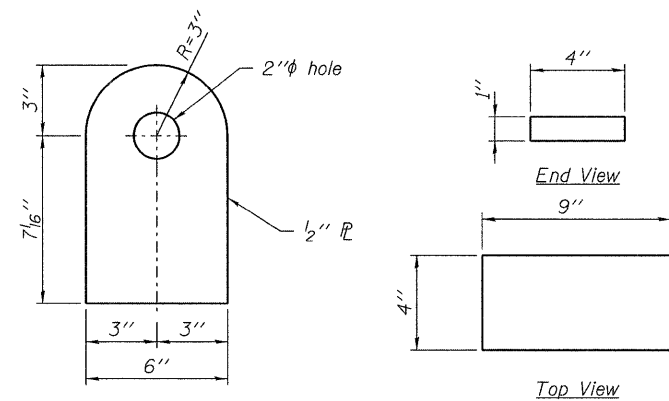
**SECTION B-B**



**DETAIL B**

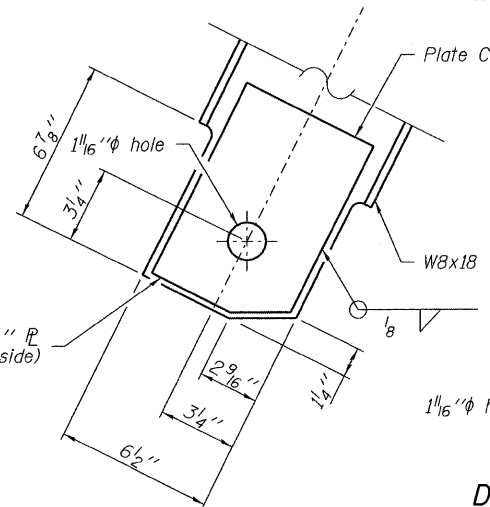


**DETAIL - TUBE 1**

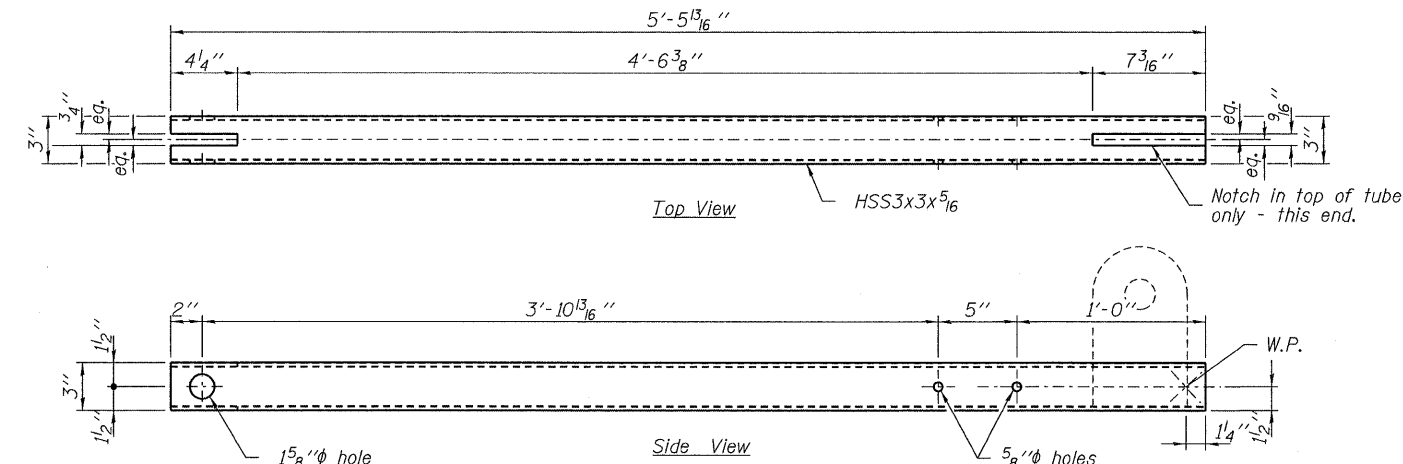
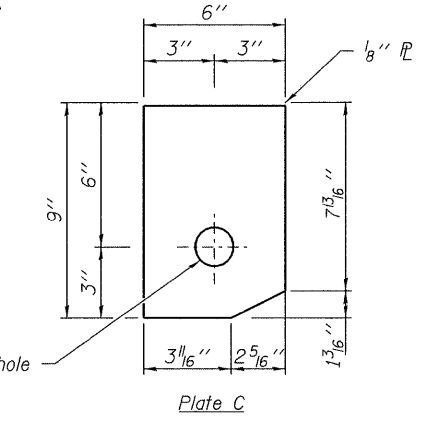


**PLATE D**

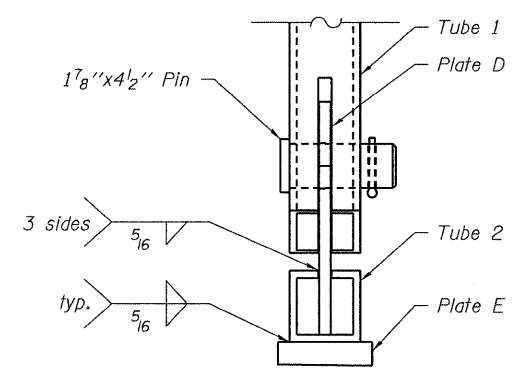
**PLATE E**



**DETAIL C**



**DETAIL - TUBE 2**



**SECTION A-A**

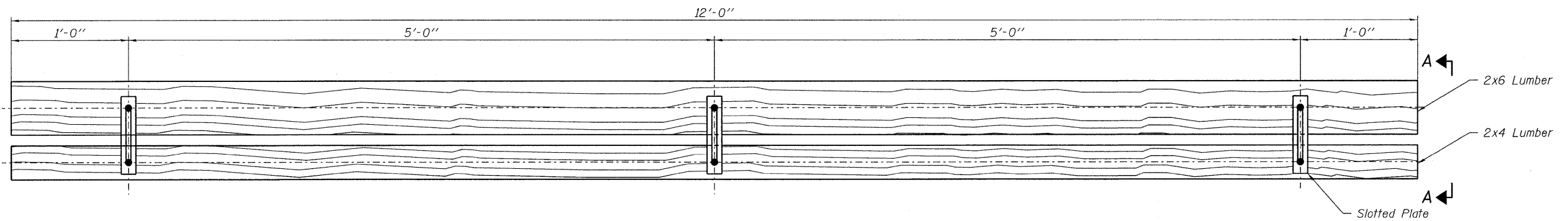
**Notes:**  
 All steel plates are M270 Grade 50 steel.  
 All Tubes are ASTM A500 Grade 46 steel.  
 Tube 1, Tube 2, Plate D, Plate E, and a 1 7/8" x 4 1/2" Pin shall be assembled into the Scissor Truss shown above.  
 All steel components shall be galvanized according to AASHTO M111 after fabrication.  
 See sheets 8 and 10 of 14 for additional Truss details.

Following fabrication and prior to galvanizing the Scissor Truss Sections and the Truss Transverse Braces will have the letters shown in parenthesis next to their title placed on it in 2 1/2" tall by 3/16" thick block capital letters using weld bead at two locations on each side of the larger tube approximately 2' from the ends, cost included with unit price for "Furnishing Structural Steel".

DESIGNED - T.P.L.
CHECKED - M.D.C., S.M.S.
DRAWN - P.J.L.
CHECKED - J.L.B.

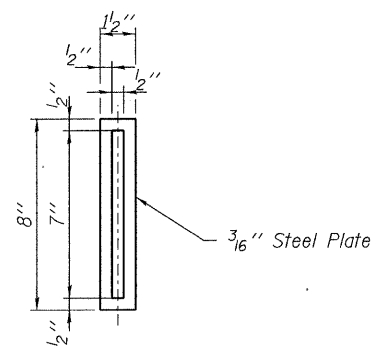
**TRUSS PLAN DETAILS**  
**MOVABLE LEVEE CLOSURE STRUCTURE**

<b>HAMPTON, LENZINI &amp; RENWICK, INC.</b> CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS <b>HLR</b> 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 648-3400 PROJECT NUMBER: 08.0214.130    DATE: 10/01/09	SHEET NO. 9	FAP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14 SHEETS	869	(105)RS-2	SALINE	82	44
		IL-34 HARRISBURG		CONTRACT NO. 78079		
		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



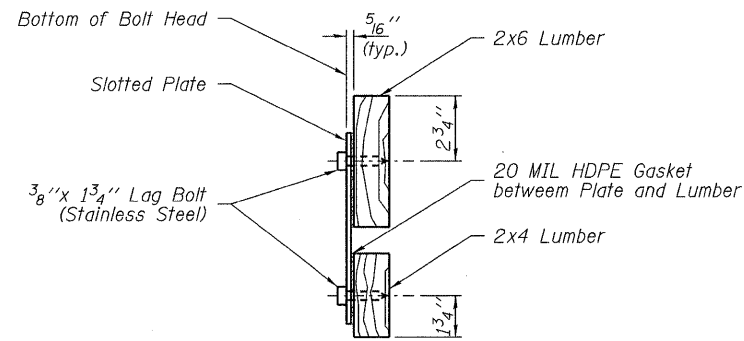
**EDGE SEALING BOARDS**

(2-Required)

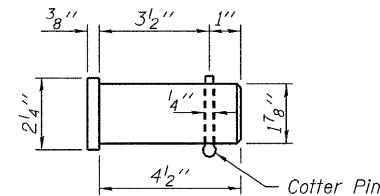


**SLOTTED PLATE**

(3-Required per Edge Sealing Board)

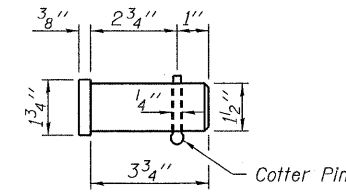


**SECTION A-A**



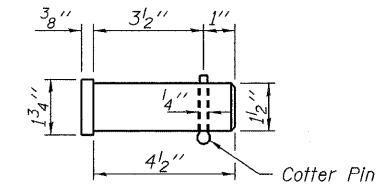
**1 7/8" x 4 1/2" PIN**

(9-Required)



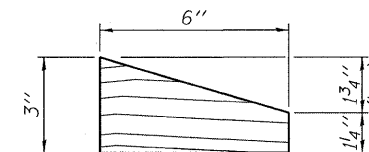
**1 1/2" x 3 3/4" PIN**

(5-Required)



**1 1/2" x 4 1/2" PIN**

(5-Required)



**WOODEN WEDGES**

(14-Required)

**Notes:**

All Pins are M270 Grade 50 steel.

Slotted Plates are M270 Grade 36 steel.

All steel components shall be galvanized according to AASHTO M111 after fabrication unless otherwise noted.

The Structural quality of the lumber shall comply with IDOT Standard Specifications Article 1007.03.

All lumber will be treated with preservatives and the attaching fasteners and hardware will meet the requirements of Standard Specifications Article 1007.

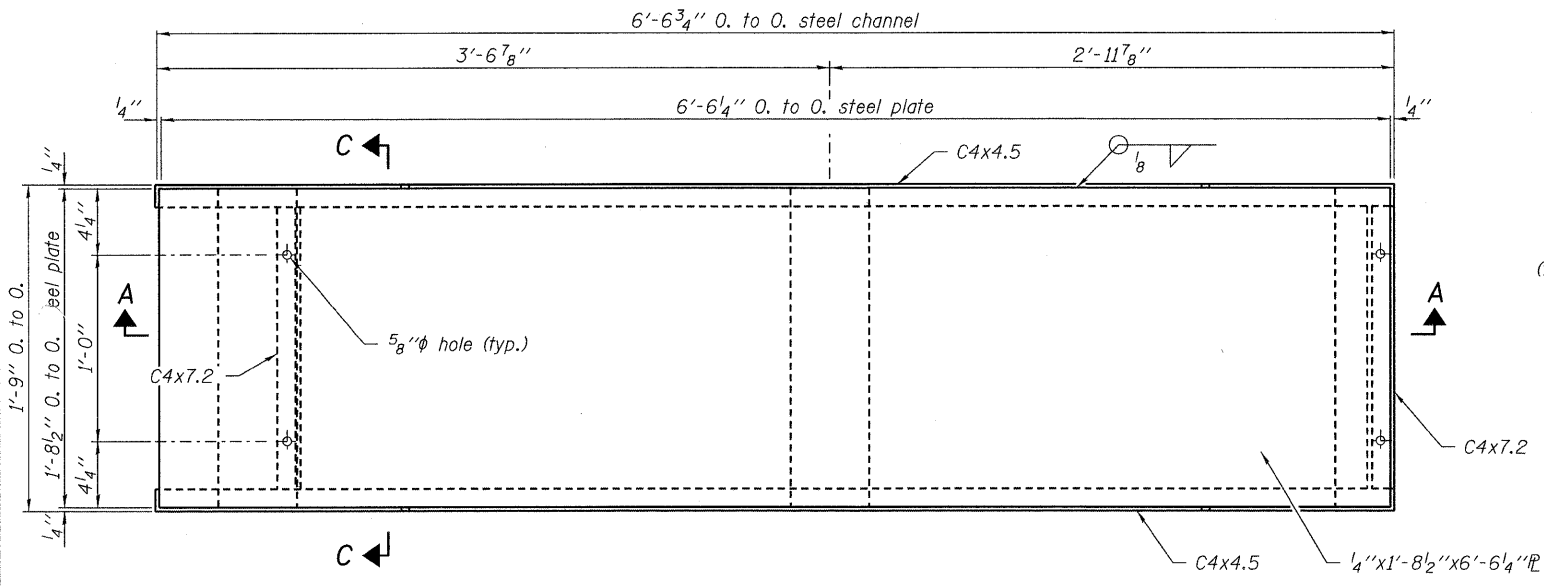
There shall be a 20 MIL HDPE gasket separating the treated lumber at any point of contact with carbon steel, including galvanized or painted steel.

Cost of Wooden Wedges included with contract unit price for "Treated Timber".

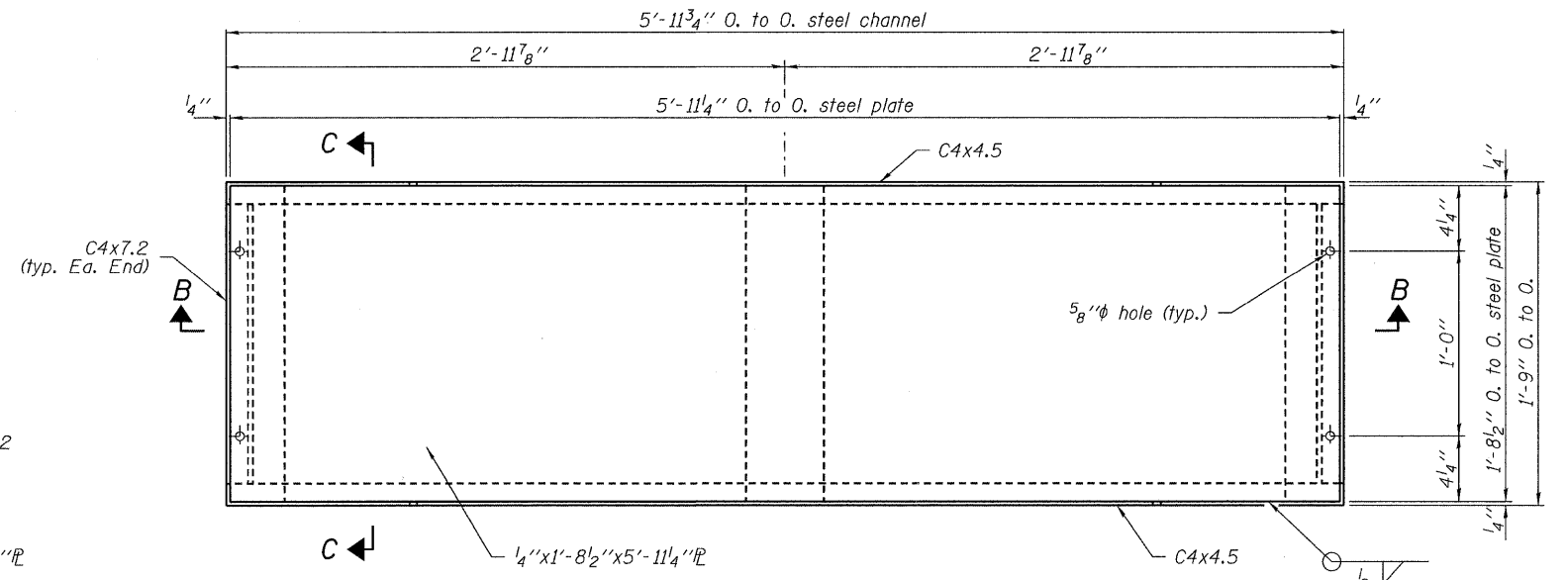
DESIGNED - T.P.L.
CHECKED - M.D.C., S.M.S.
DRAWN - P.J.L.
CHECKED - J.L.B.

**TRUSS PLAN DETAILS  
MOVABLE LEVEE CLOSURE STRUCTURE**

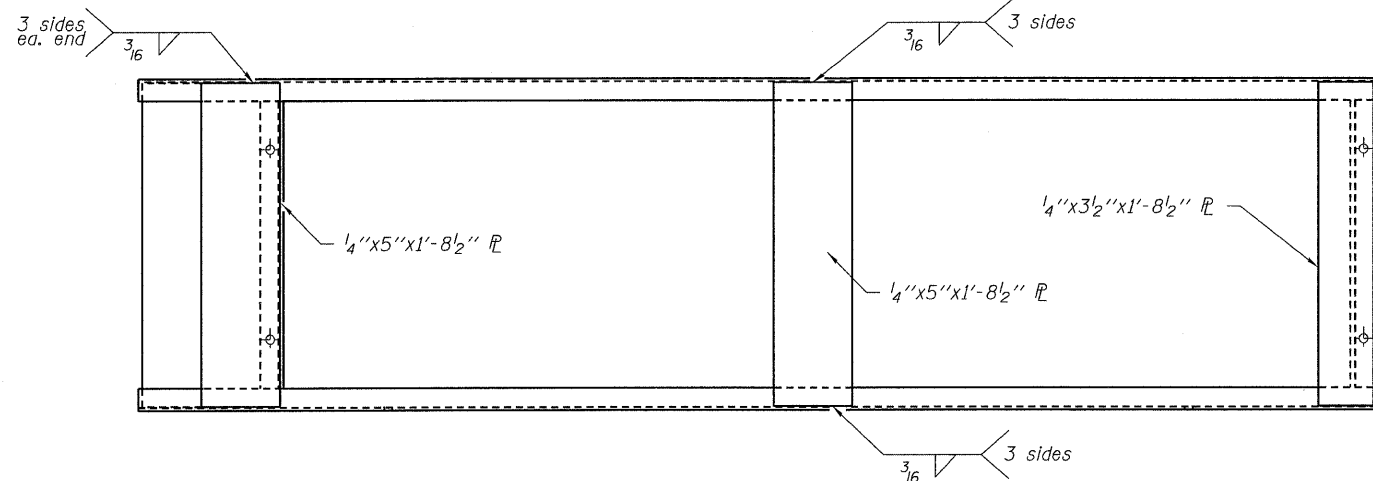
<b>HAMPTON, LENZINI &amp; RENWICK, INC.</b> CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400	SHEET NO. 10  14 SHEETS	FAP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		869	(105)RS-2	SALINE	82	45
PROJECT NUMBER: 08.0214.130		DATE: 10/01/09		IL-34 HARRISBURG		CONTRACT NO. 78079
		FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT



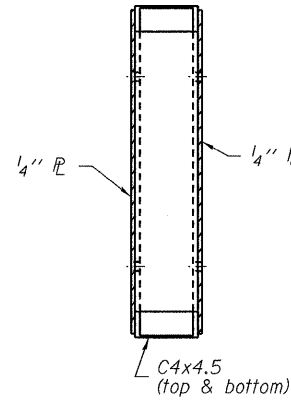
**EXTERIOR WALL PANEL PLAN (EP)**  
(12-required)



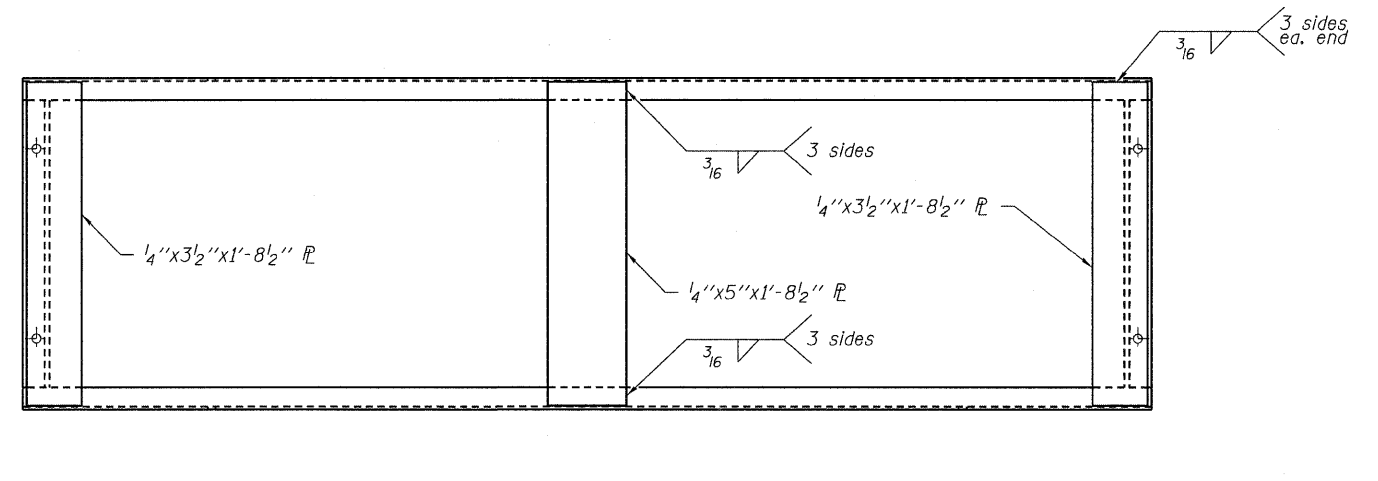
**INTERIOR WALL PANEL PLAN (IP)**  
(19-required)



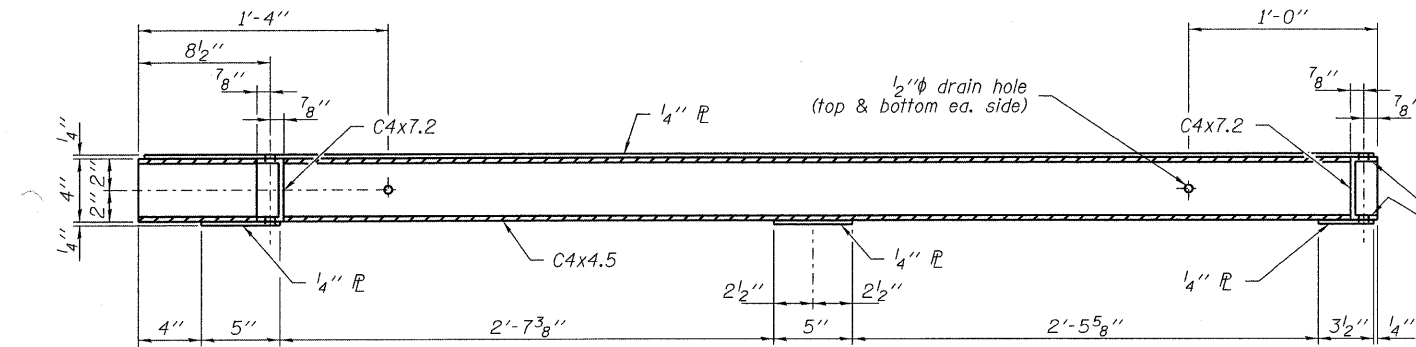
**BACK VIEW**



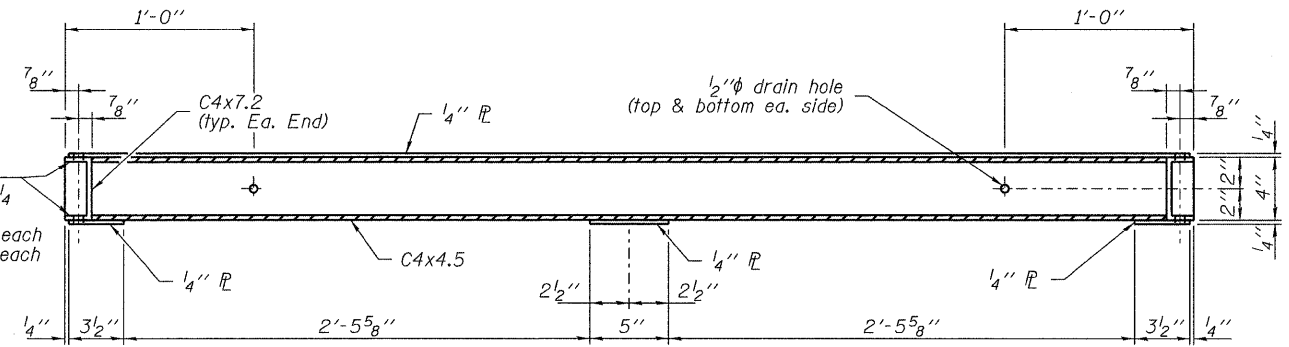
**SECTION C-C**



**BACK VIEW**



**SECTION A-A**



**SECTION B-B**

**Notes:**

Steel Wall Panels assembly shall be galvanized according to AASHTO M111 after fabrication.

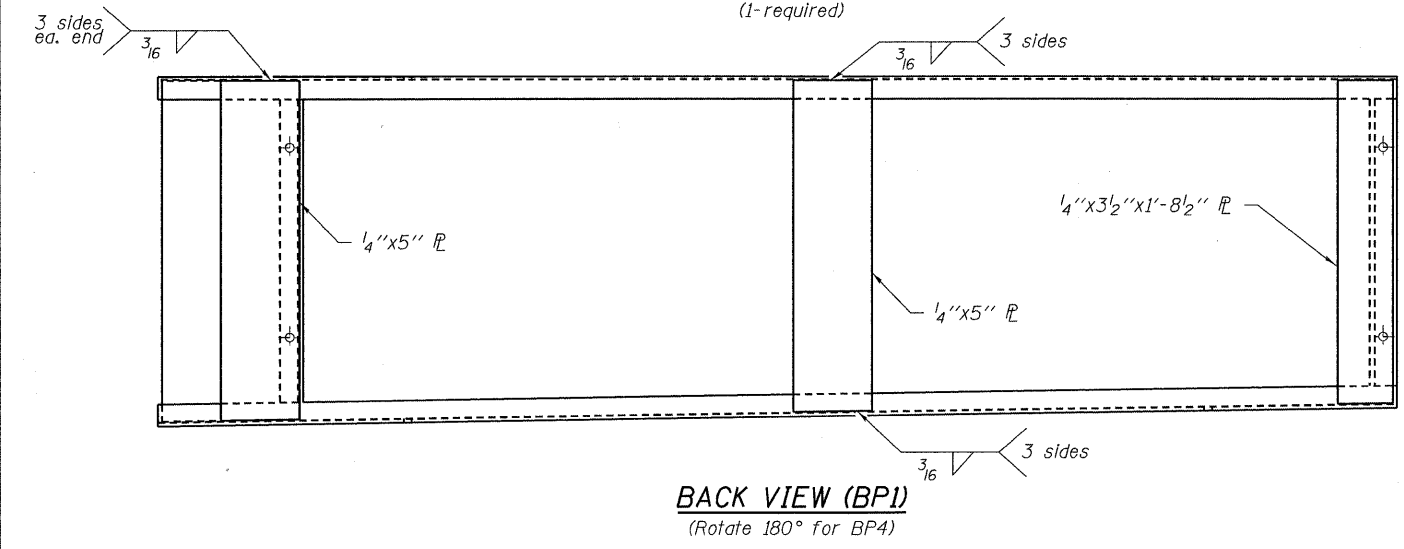
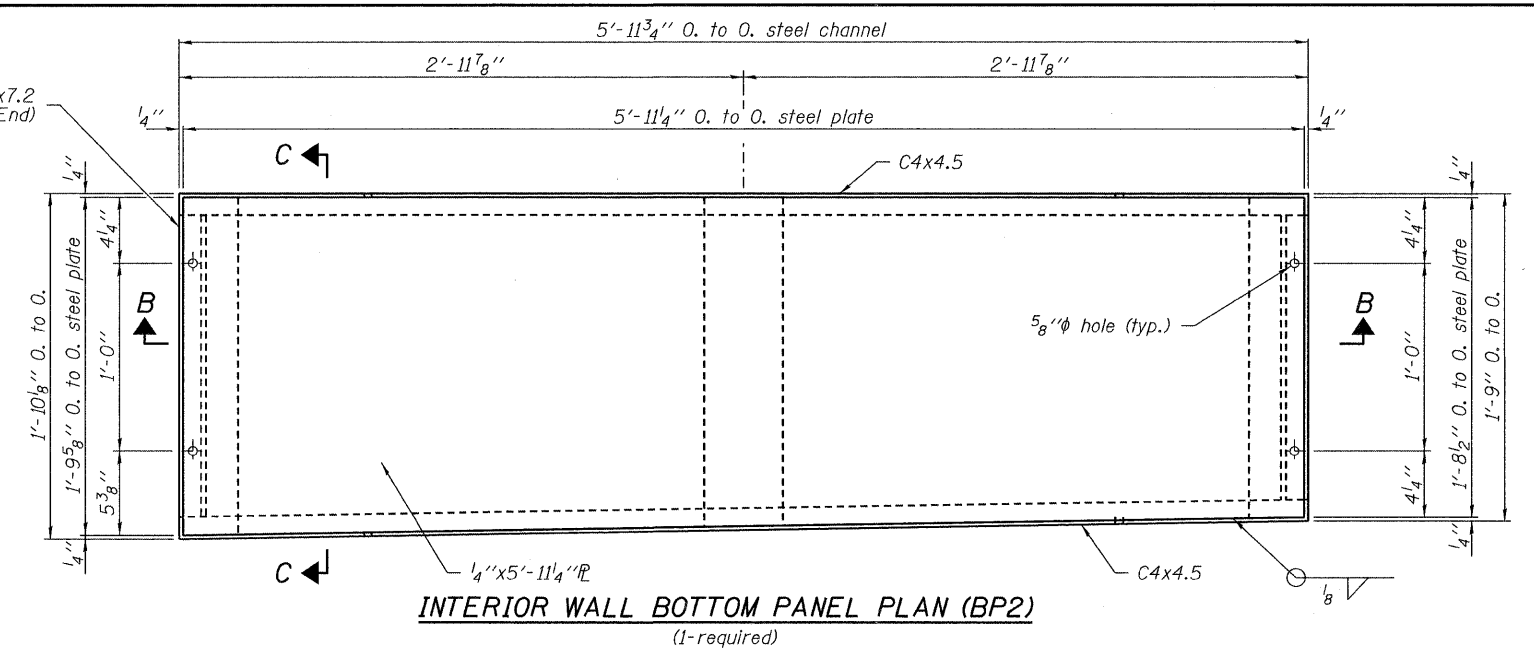
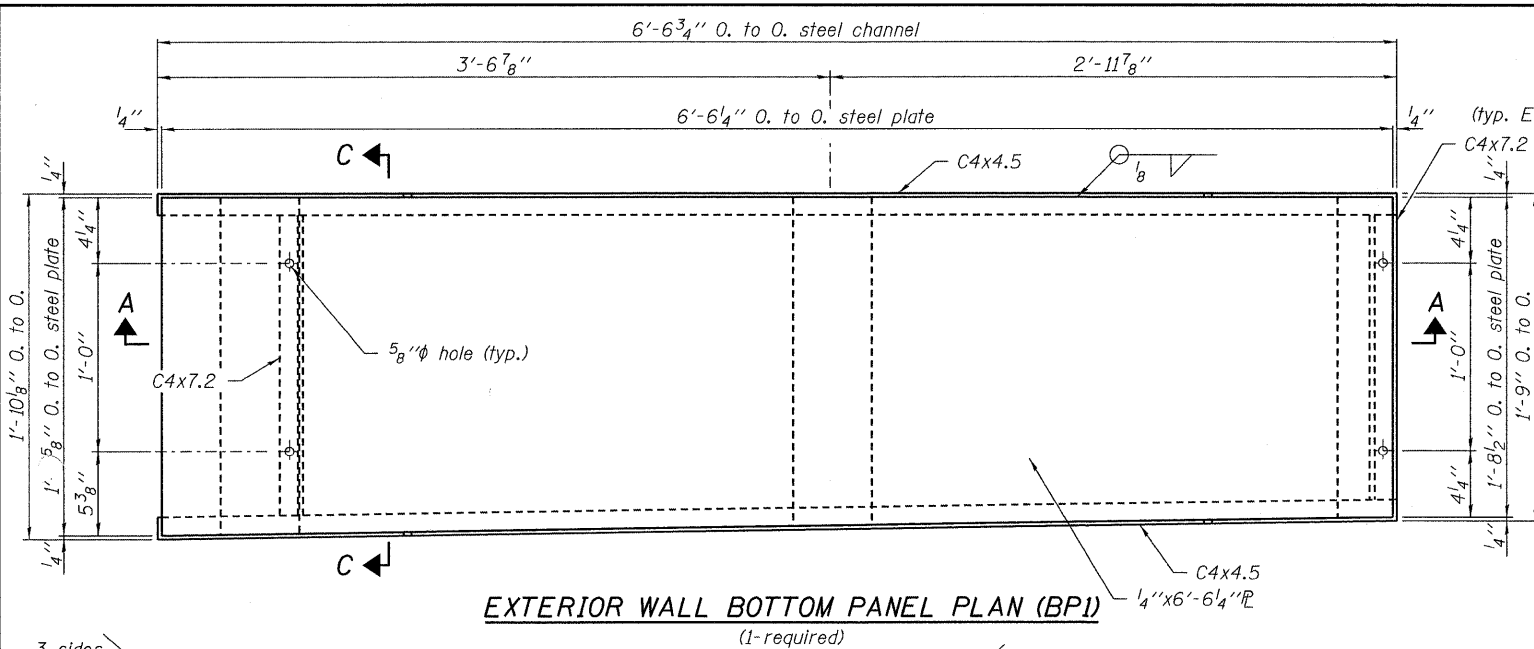
All steel plate and channels used in the Wall Panels shall be AASHTO M270 Grade 36.

Following fabrication and prior to galvanizing the Wall Panels will have the letters shown in parenthesis next to their title placed on it in 2 1/2" tall by 3/16" thick block capital letters using weld bead and centered on the front face of the panels.

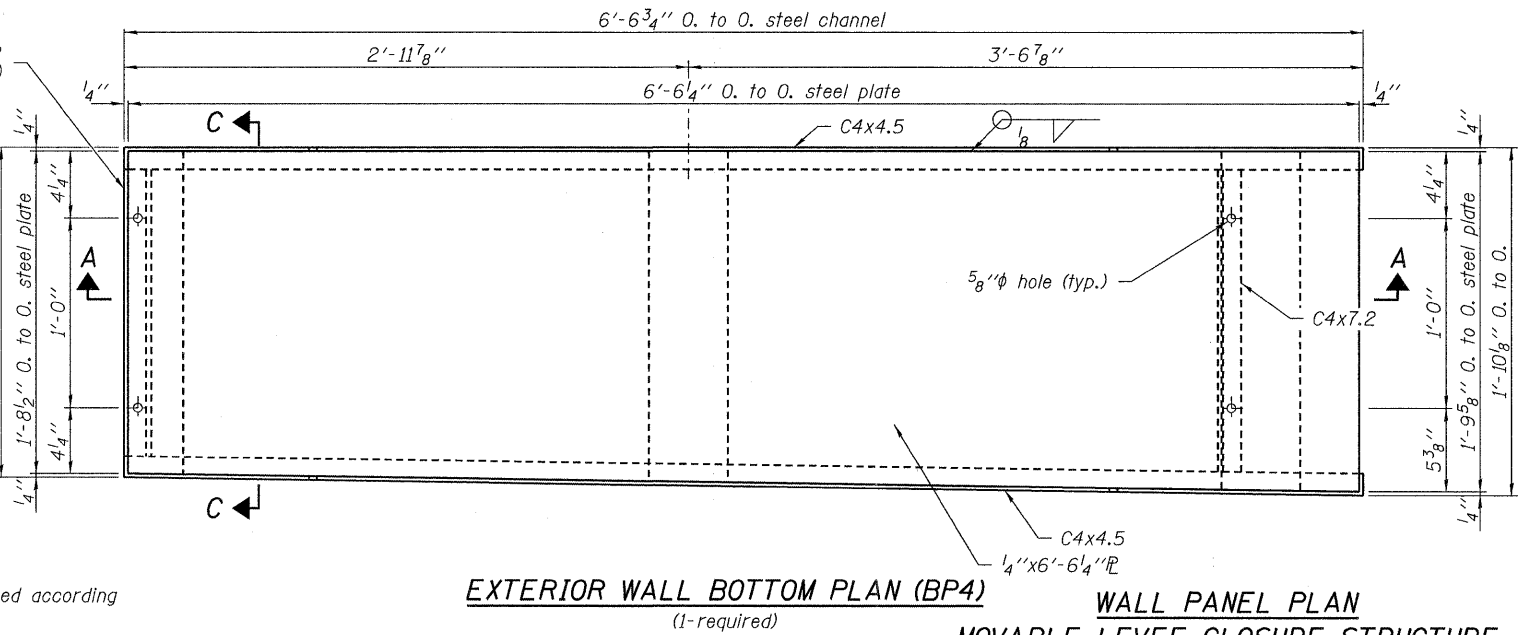
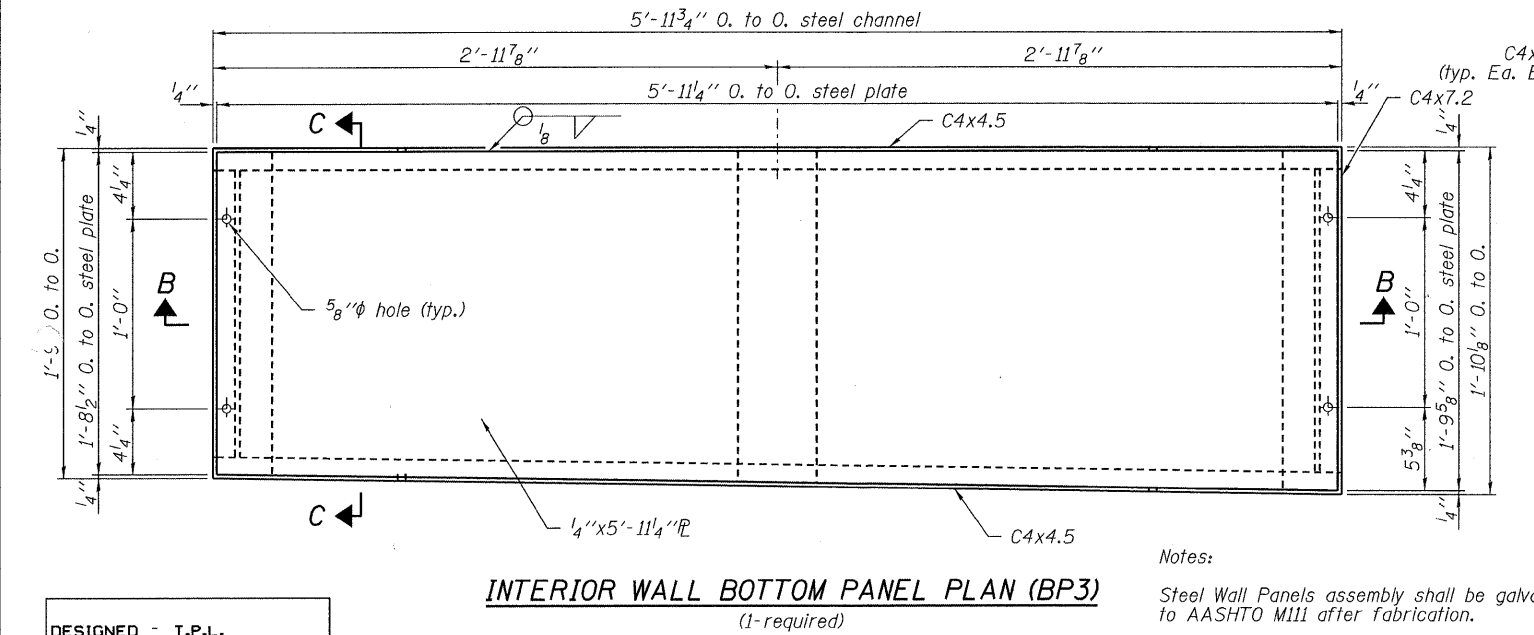
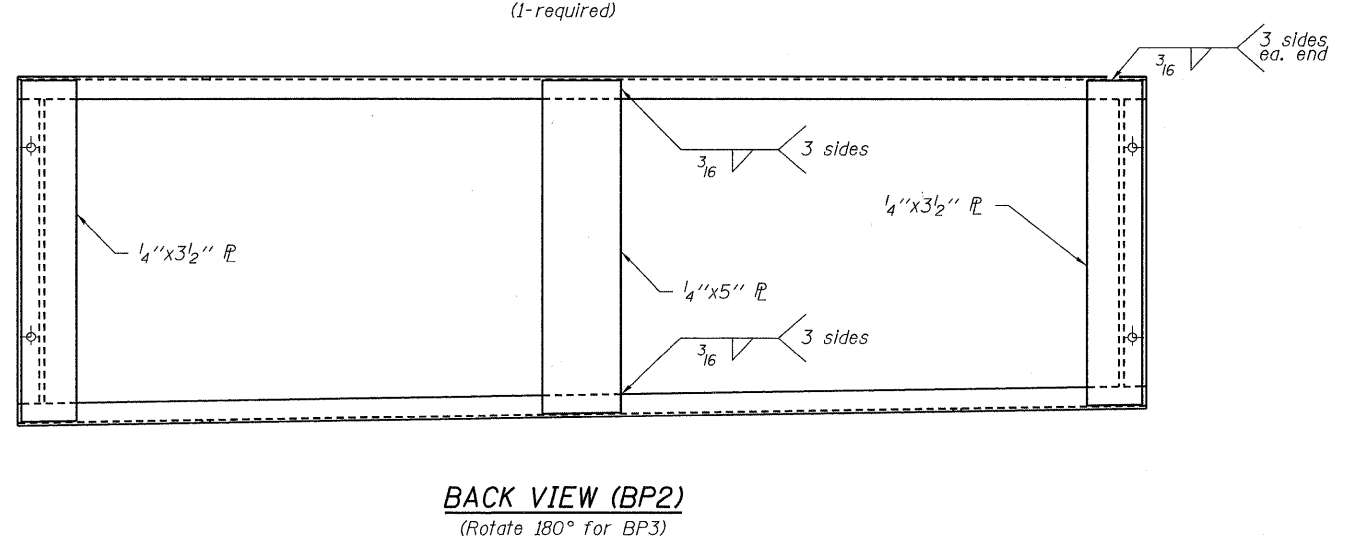
DESIGNED - T.P.L.
CHECKED - M.D.C., S.M.S.
DRAWN - P.J.L.
CHECKED - J.L.B.

**WALL PANEL PLAN  
MOVABLE LEVEE CLOSURE STRUCTURE**

<b>HAMPTON, LENZINI &amp; RENWICK, INC.</b> CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400	SHEET NO. 11	FAP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14 SHEETS	869	(105)RS-2	SALINE	82	46
		IL-34 HARRISBURG		CONTRACT NO. 78079		
PROJECT NUMBER: 08.0214.130	DATE: 10/01/09	FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	



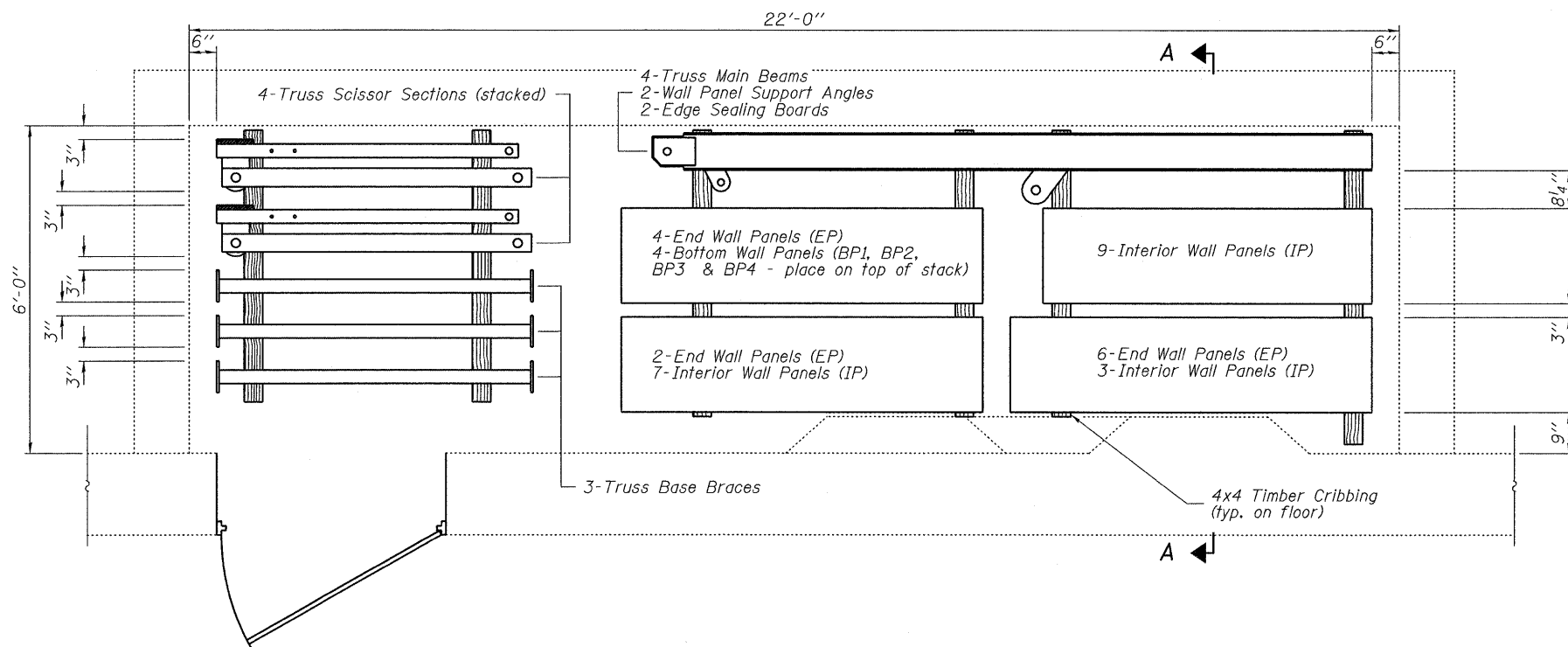
Note:  
 For Sections A-A, B-B and C-C see sheet 11 of 14.



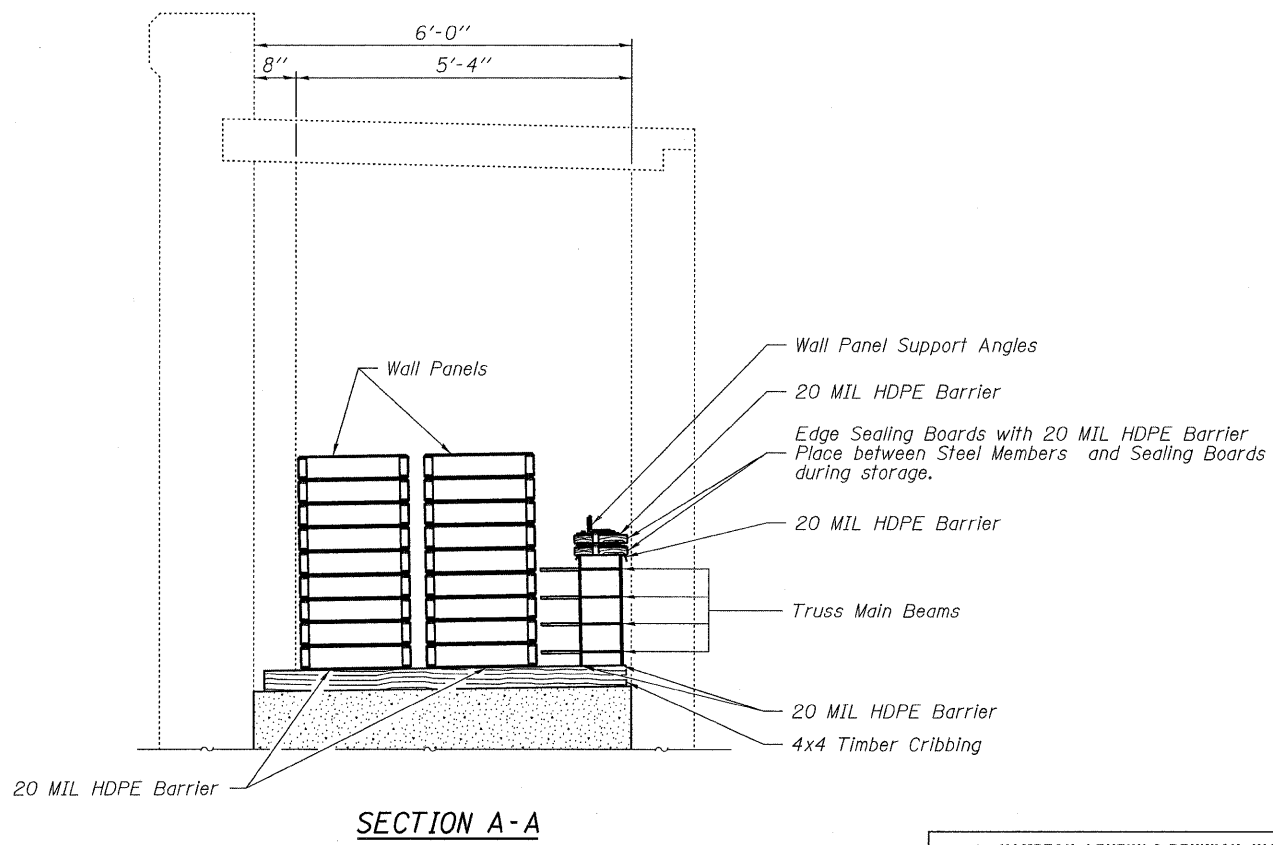
DESIGNED - T.P.L.
CHECKED - M.D.C., S.M.S.
DRAWN - P.J.L.
CHECKED - J.L.B.

Notes:  
 Steel Wall Panels assembly shall be galvanized according to AASHTO M111 after fabrication.  
 All steel plate and channels used in the Wall Panels shall be AASHTO M270 Grade 36.  
 Following fabrication and prior to galvanizing the Wall Panels will have the letters shown in parenthesis next to their title placed on it in 2<sup>1</sup>/<sub>2</sub>" tall by 3/16" thick block capital letters using weld bead and centered on the front face of the panels.

<b>HAMPTON, LENZINI &amp; RENWICK, INC.</b> CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400 PROJECT NUMBER: 08.0214.130    DATE: 10/01/09	SHEET NO. 12	FAP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14 SHEETS	869	(105)RS-2	SALINE	82	47
		IL-34 HARRISBURG			CONTRACT NO. 78079	
		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



STORAGE VAULT - TOP VIEW



Notes:  
 All fasteners will be AASHTO M164 Type-1, mechanically galvanized bolts.  
 All fasteners listed shall include an appropriately sized galvanized nut.  
 All equipment stored in vault will be placed on lumber cribbing as indicated. Cost included with contract unit price for "Furnishing Structural Steel".  
 All Timber Cribbing will be treated with preservatives in accordance with Standard Specifications Article 1007.  
 There will be a 20 MIL HDPE Barrier separating the treated timber from all steel members.

VAULT STORAGE LIST

Item:	UNIT:	NO.
Interior Wall Panel	Each	19
End Wall Panel	Each	12
Bottom Wall Panel	Each	4
Main Truss Beam	Each	4
Truss Scissor Section	Each	4
Truss Transverse Brace	Each	3
Wall Panel Support Angle	Each	2
Edge Sealing Board	Each	2
Wooden Wedges	Each	14
Plastic Sheeting, 10 mil, 20'x40' sheet	Each	2
Bar Clamp,	Each	9
<b>Bolts - Galvanized:</b>		
1/2"x5 1/2"	Each	160
1/2"x5"	Each	9
1/2"x2 1/2"	Each	18
<b>Pins - Galvanized:</b>		
1 7/8"x4 1/2"	Each	5
1 1/2"x4 1/2"	Each	5
1 1/2"x3 3/4"	Each	5

Note:  
 Additional bolts, wooden wedges and pins over the minimum required for wall erection are included in the numbers listed above in case of loss or damage during erection of the closure wall.

DESIGNED - T.P.L.
CHECKED - M.D.C., S.M.S.
DRAWN - P.J.L.
CHECKED - J.L.B.

VAULT STORAGE PLAN  
 MOVABLE LEVEE CLOSURE STRUCTURE

HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400	SHEET NO. 13  14 SHEETS	FAP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		869	(105)RS-2	SALINE	82	48
PROJECT NUMBER: 08.0214.130 DATE: 10/01/09		IL-34 HARRISBURG		CONTRACT NO. 78079		
		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



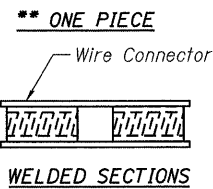
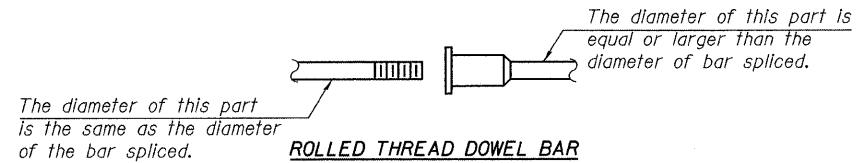
**NOTES**

Bar splicer assemblies shall be of an approved type and shall develop in tension at least 125 percent of the yield strength of the lapped reinforcement bars.  
 Splicer rods shall be of minimum 60 ksi yield strength, threaded or coiled full length.  
 All reinforcement bars shall be lapped and tied to the splicer rods or dowel bars.  
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars.

Other systems of similar design may be submitted to the Engineer for approval. Approval shall be based on certified test results from an approved testing laboratory that the proposed bar splicer assembly satisfies the following requirements:

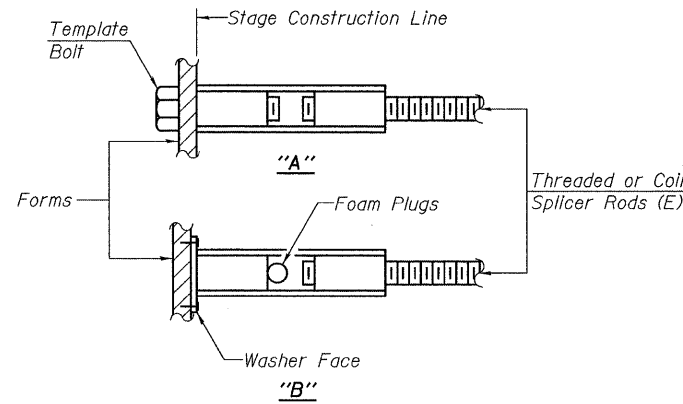
- ① Minimum Capacity =  $1.25 \times f_y \times A_t$   
 (Tension in kips)
  - ② Minimum \*Pull-out Strength =  $0.66 \times f_y \times A_t$   
 (Tension in kips)
- Where  $f_y$  = Yield strength of lapped reinforcement bars in ksi.  
 $A_t$  = Tensile stress area of lapped reinforcement bars.  
 \* = 28 day concrete

BAR SPLICER ASSEMBLIES			
Bar Size to be Spliced	Splicer Rod or Dowel Bar Length	Strength Requirements	
		Min. Capacity kips - tension	Min. Pull-Out Strength kips - tension
#4	1'-8"	14.7	7.9
#5	2'-0"	23.0	12.3
#6	2'-7"	33.1	17.4
#7	3'-5"	45.1	23.8
#8	4'-6"	58.9	31.3
#9	5'-9"	75.0	39.6
#10	7'-3"	95.0	50.3
#11	9'-0"	117.4	61.8



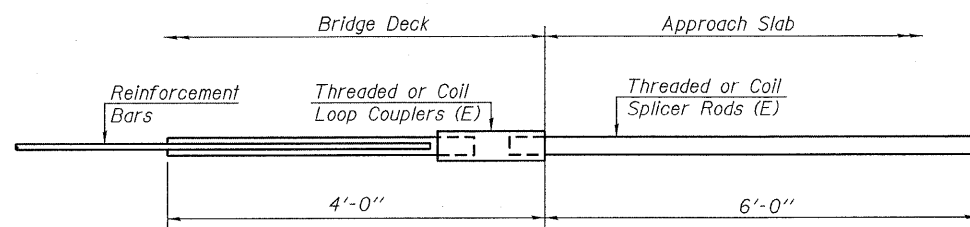
**BAR SPLICER ASSEMBLY ALTERNATIVES**

\*\*Heavy Hex Nuts conforming to ASTM A 563, Grade C, D or DH may be used.

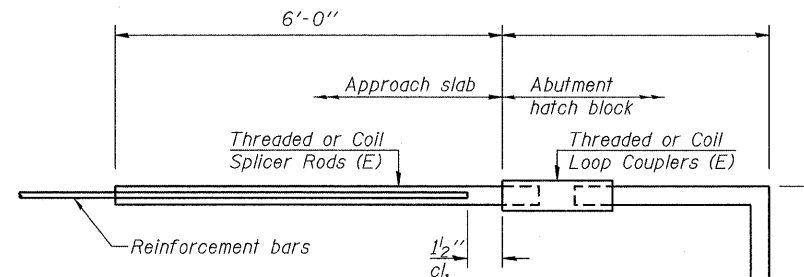


**INSTALLATION AND SETTING METHODS**

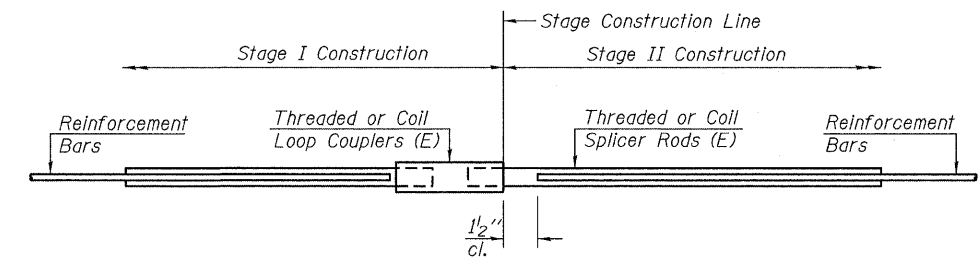
"A" :Set bar splicer assembly by means of a template bolt.  
 "B" :Set bar splicer assembly by nailing to wood forms or cementing to steel forms.  
 (E) : Indicates epoxy coating.



**FOR INTEGRAL OR SEMI-INTEGRAL ABUTMENTS**



**FOR STUB ABUTMENTS**



**STANDARD**

Bar Size	No. Assemblies Required	Location
#5(E)	40	Concrete Sill Slab

Bar Splicer for #5 bar
Min. Capacity = 23.0 kips - tension
Min. Pull-out Strength = 12.3 kips - tension
No. Required =

Bar Splicer for #5 bar
Min. Capacity = 23.0 kips - tension
Min. Pull-out Strength = 12.3 kips - tension
No. Required =

DESIGNED - T.P.L.
CHECKED - M.D.C., S.M.S.
DRAWN - P.J.L.
CHECKED - J.L.B.

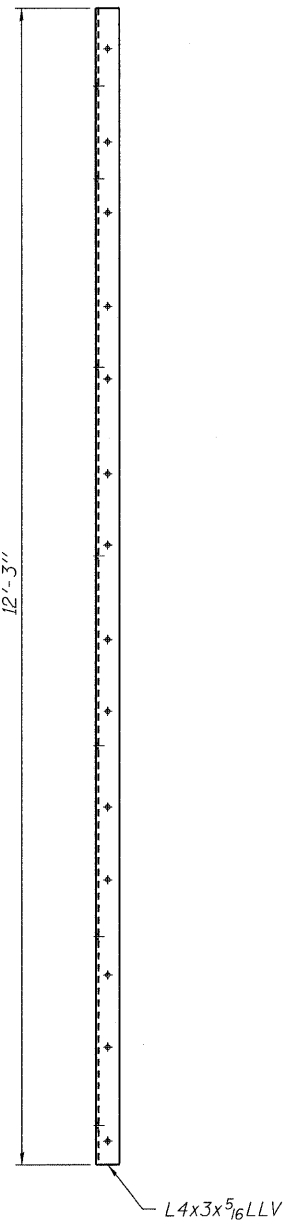
BSD-1 5-16-08

**HAMPTON, LENZINI & RENWICK, INC.**  
 CIVIL & STRUCTURAL ENGINEERS  
 LAND SURVEYORS  
 3085 STEVENSON DRIVE, SUITE 201  
 SPRINGFIELD, ILLINOIS 62703  
 (217) 546-3400

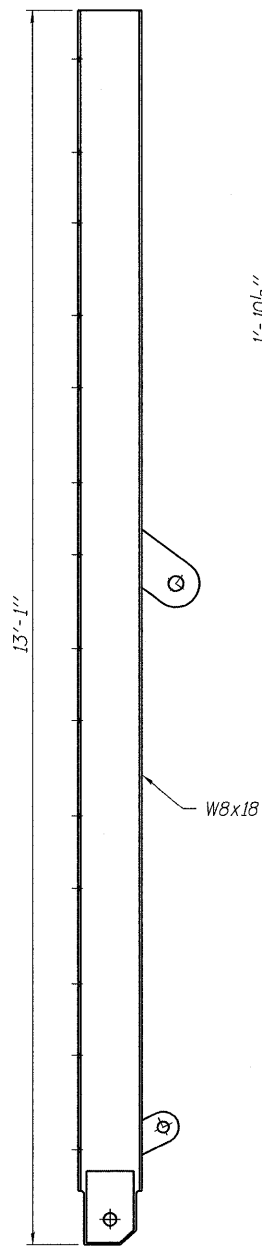
SHEET NO. 14  
 14 SHEETS

FAP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
869	(105)RS-2	SALINE	82	49
IL-34 HARRISBURG		CONTRACT NO. 78079		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

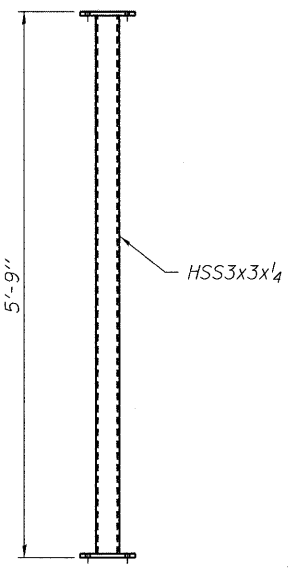
**BAR SPLICER DETAILS  
 MOVABLE LEVEE CLOSURE STRUCTURE**



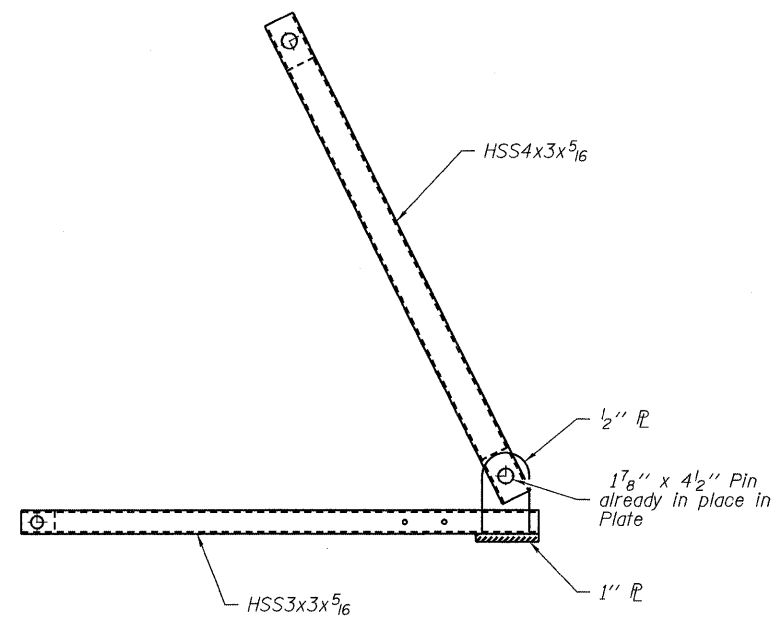
**WALL PANEL SUPPORT  
ANGLE ("A" & "F")**



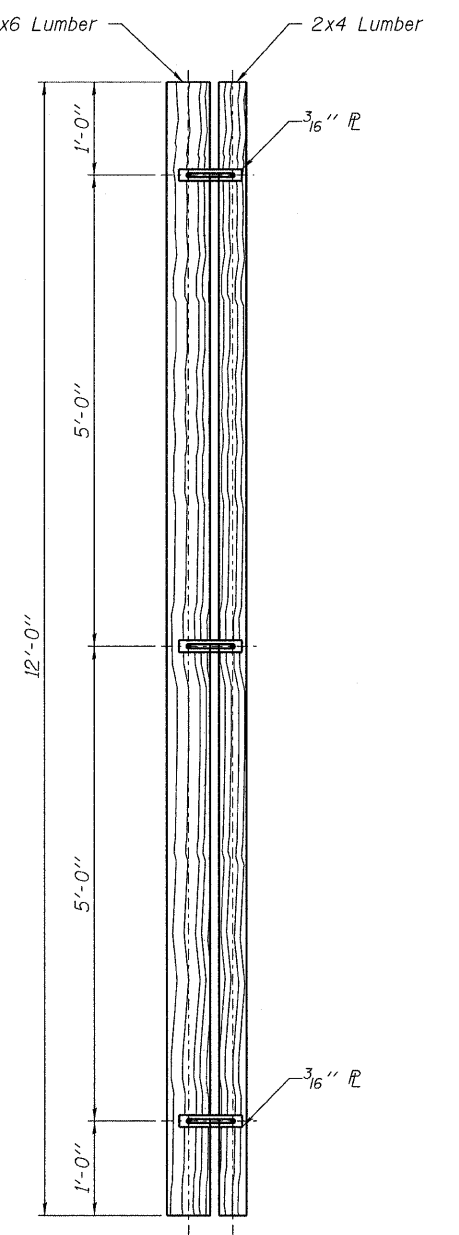
**MAIN TRUSS  
BEAM ("B" - "E")**



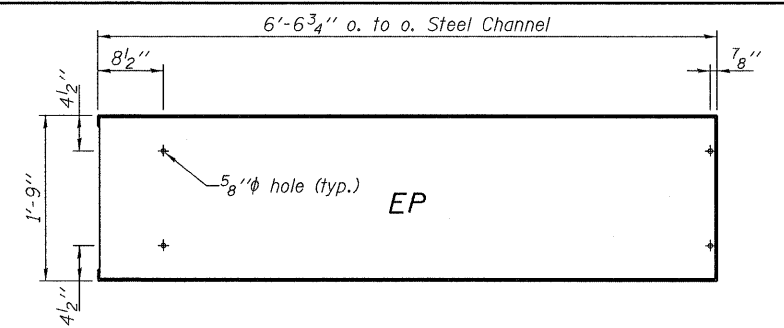
**TRUSS TRANSVERSE  
BRACE ("TTB")**



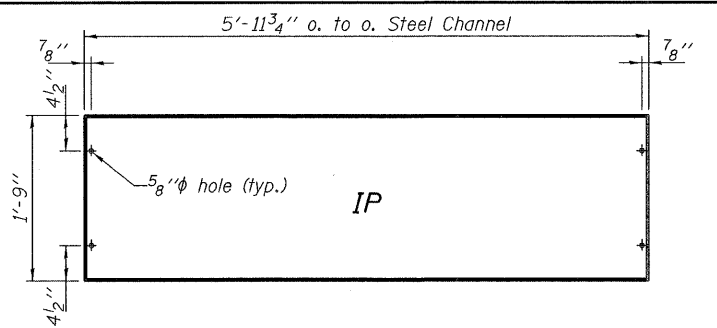
**SCISSOR TRUSS  
SECTION ("STS")**



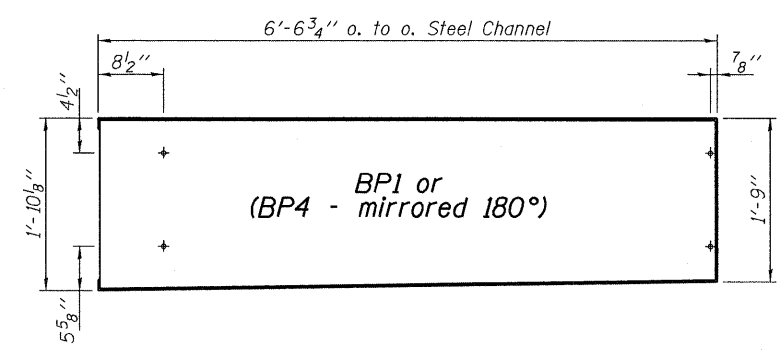
**EDGE SEALING BOARD**



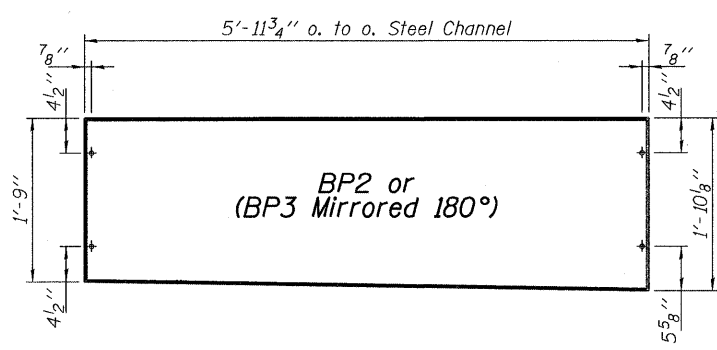
**END WALL PANEL ("EP")**



**INTERIOR WALL PANEL ("IP")**



**BOTTOM WALL PANEL ("BP1" & "BP2")**



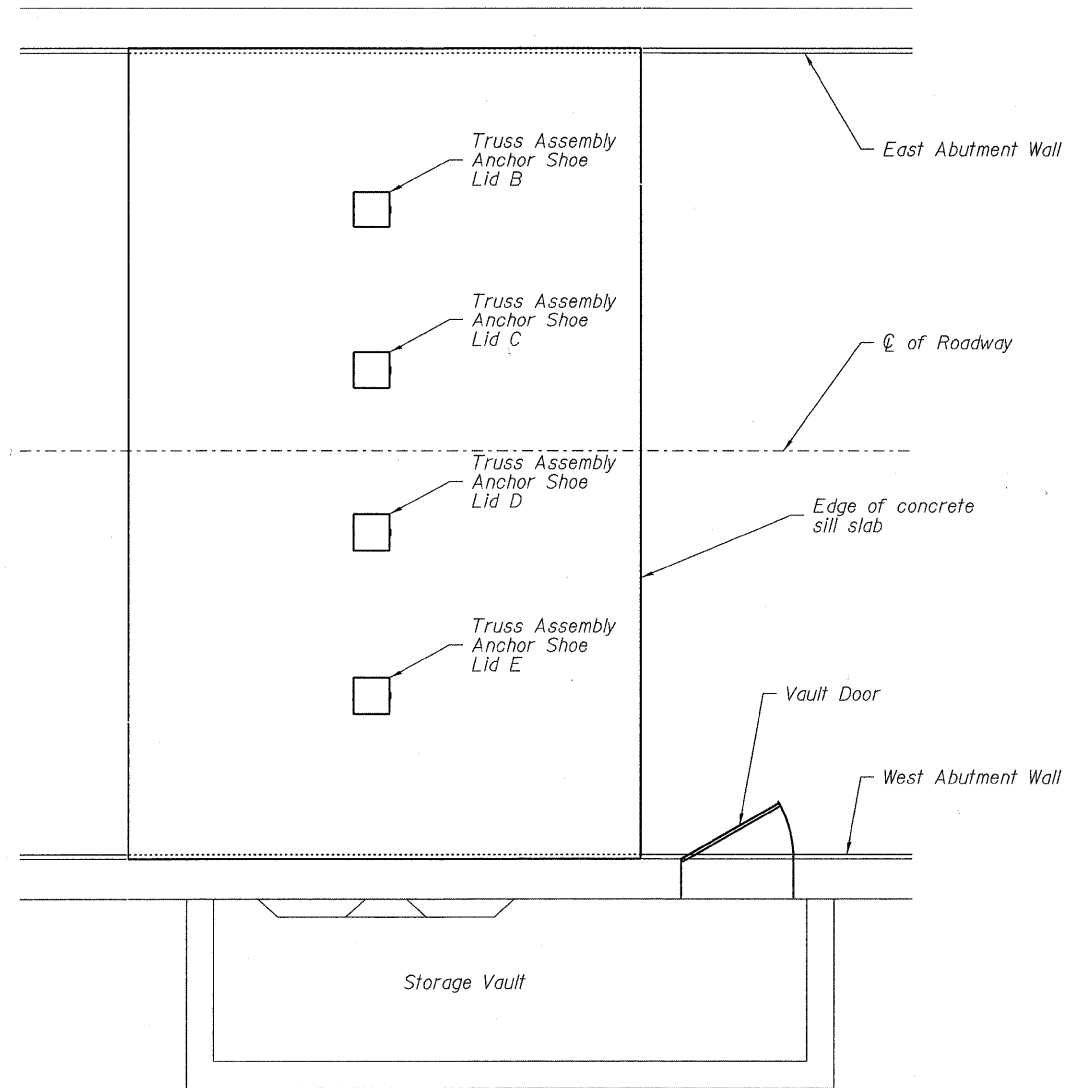
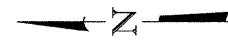
**BOTTOM WALL PANEL ("BP3" & "BP4")**

DESIGNED - T.P.L.
CHECKED - M.D.C., S.M.S.
DRAWN - P.J.L.
CHECKED - J.L.B.

**ASSEMBLY INSTRUCTIONS  
CLOSURE WALL MEMBER  
IDENTIFICATION SHEET  
MOVABLE LEVEE CLOSURE STRUCTURE**

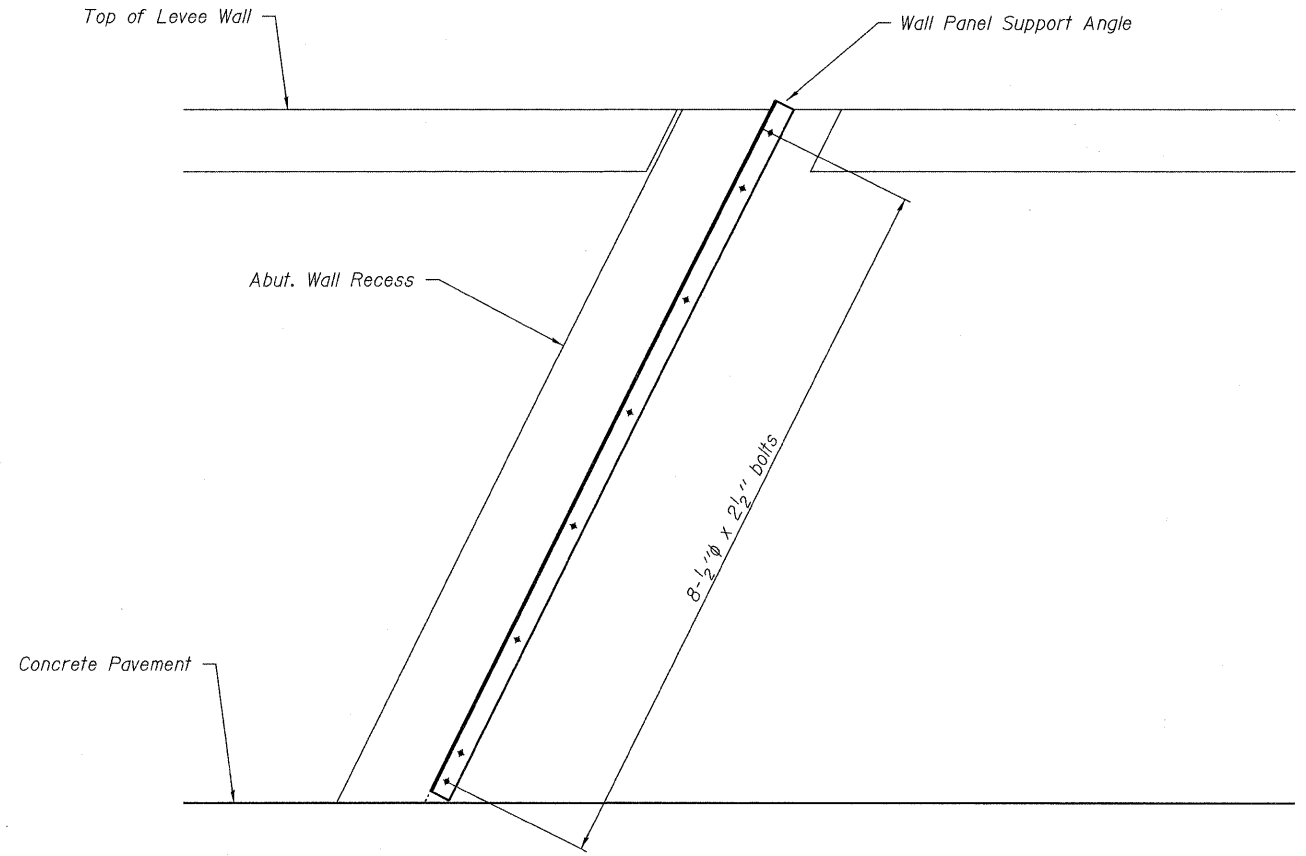
<b>HAMPTON, LENZINI &amp; RENWICK, INC.</b> CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400 PROJECT NUMBER: 08.0214.130    DATE: 10/01/09	SHEET NO. 1	FAP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	8 SHEETS	869	(105)RS-2	SALINE	82	50
		IL-34 HARRISBURG		CONTRACT NO. 78079		
	FED. ROAD DIST. NO.		ILLINOIS		FED. AID PROJECT	

FIGURE A



TRUSS ANCHOR SHOES LID REMOVAL  
(Remove 6-bolts per lid)


FIGURE B



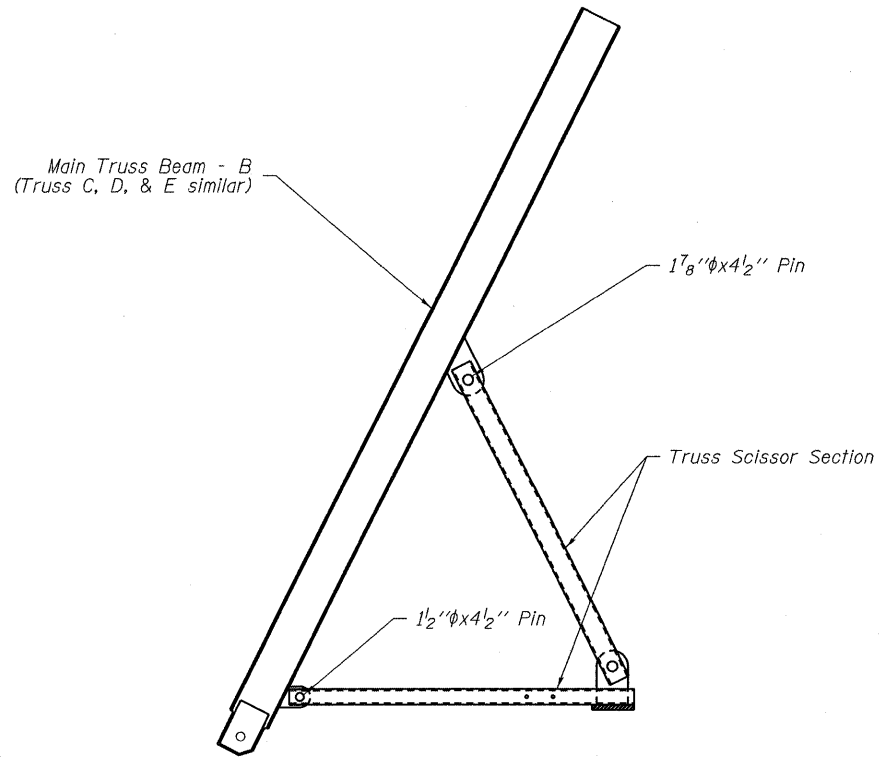
WALL PANEL SUPPORT ANGLE ERECTION

DESIGNED - T.P.L.
CHECKED - M.D.C., S.M.S.
DRAWN - P.J.L.
CHECKED - J.L.B.

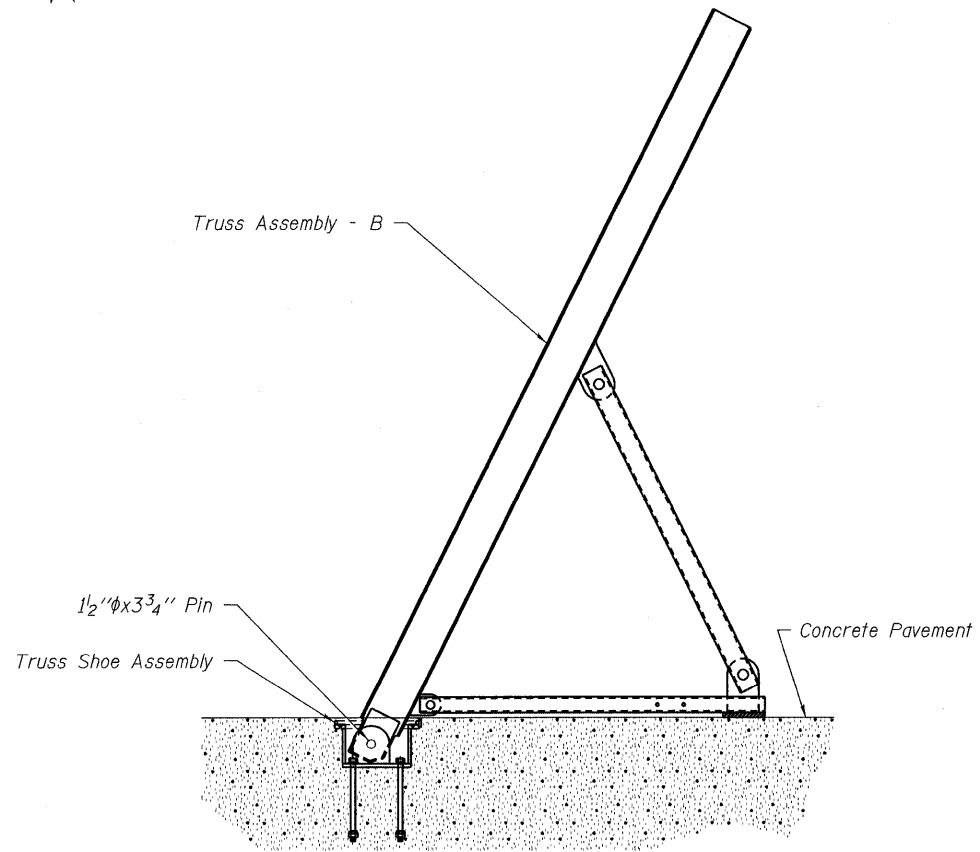
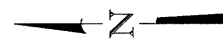
ASSEMBLY INSTRUCTIONS  
TRUSS ASSEMBLY PLAN  
MOVABLE LEVEE CLOSURE STRUCTURE

<b>HAMPTON, LENZINI &amp; RENWICK, INC.</b> CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS  3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400	SHEET NO. 2  8 SHEETS	FAP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		869	(105)RS-2	SALINE	82	51
		IL-34 HARRISBURG			CONTRACT NO. 78079	
PROJECT NUMBER: 08.0214.130		DATE: 10/01/09		FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT

**FIGURE C**



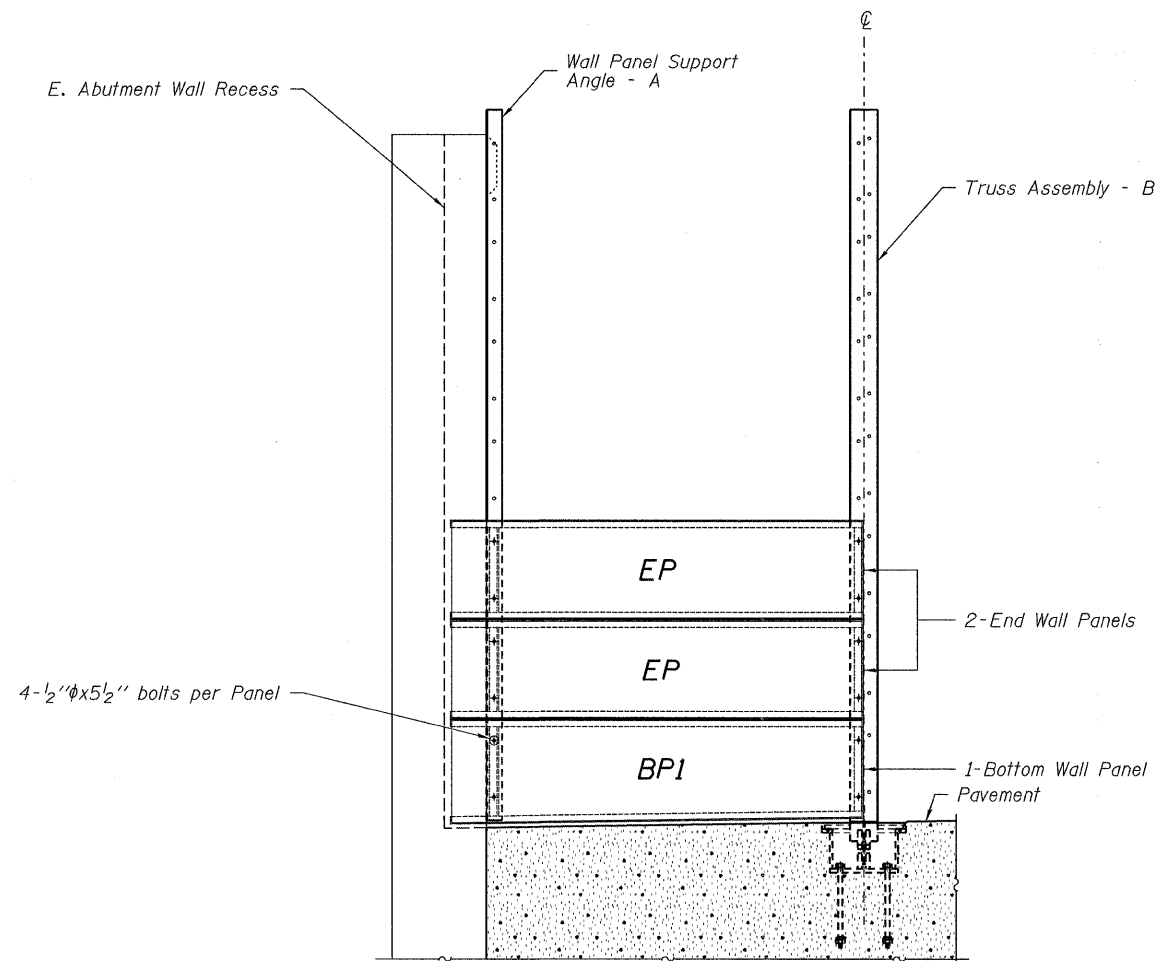
**TRUSS ASSEMBLY**  
(Figure C-1)



**TRUSS ERECTION**  
(Figure C-2)

DESIGNED - T.P.L.
CHECKED - M.D.C., S.M.S.
DRAWN - P.J.L.
CHECKED - J.L.B.

**FIGURE D**

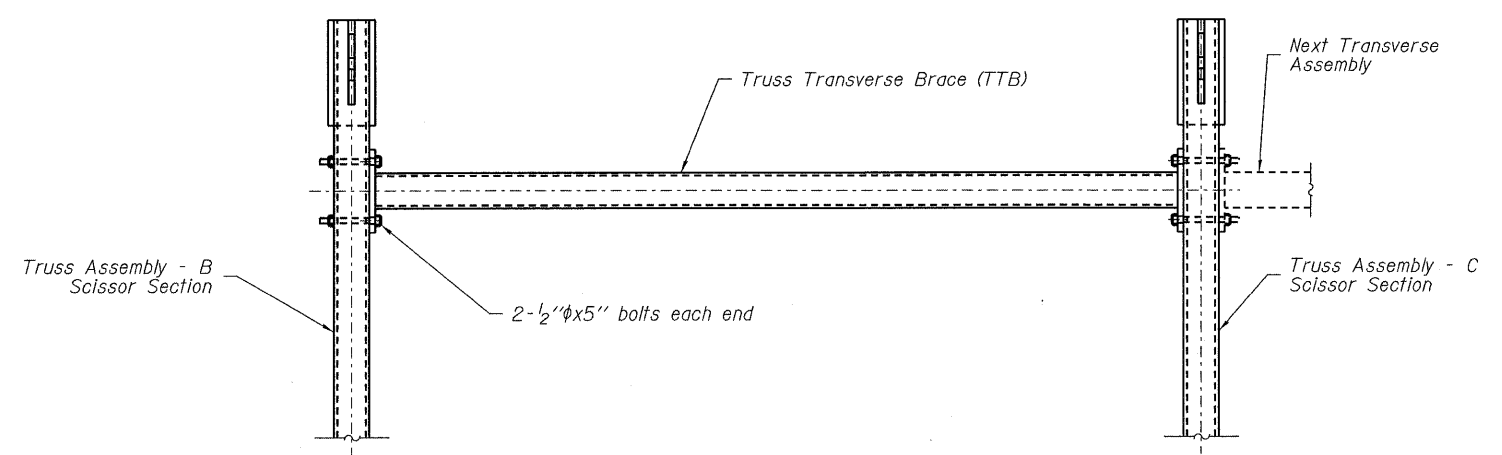


**ERECT 3 WALL PANELS**

**ASSEMBLY INSTRUCTIONS**  
**TRUSS ASSEMBLY PLAN**  
**MOVABLE LEVEE CLOSURE STRUCTURE**

<b>HAMPTON, LENZINI &amp; RENWICK, INC.</b> CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400 PROJECT NUMBER: 08.0214.130    DATE: 10/01/09	SHEET NO. 3	FAP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	8 SHEETS	869	(105)RS-2	SALINE	82	52
		IL-34 HARRISBURG		CONTRACT NO. 78079		
		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

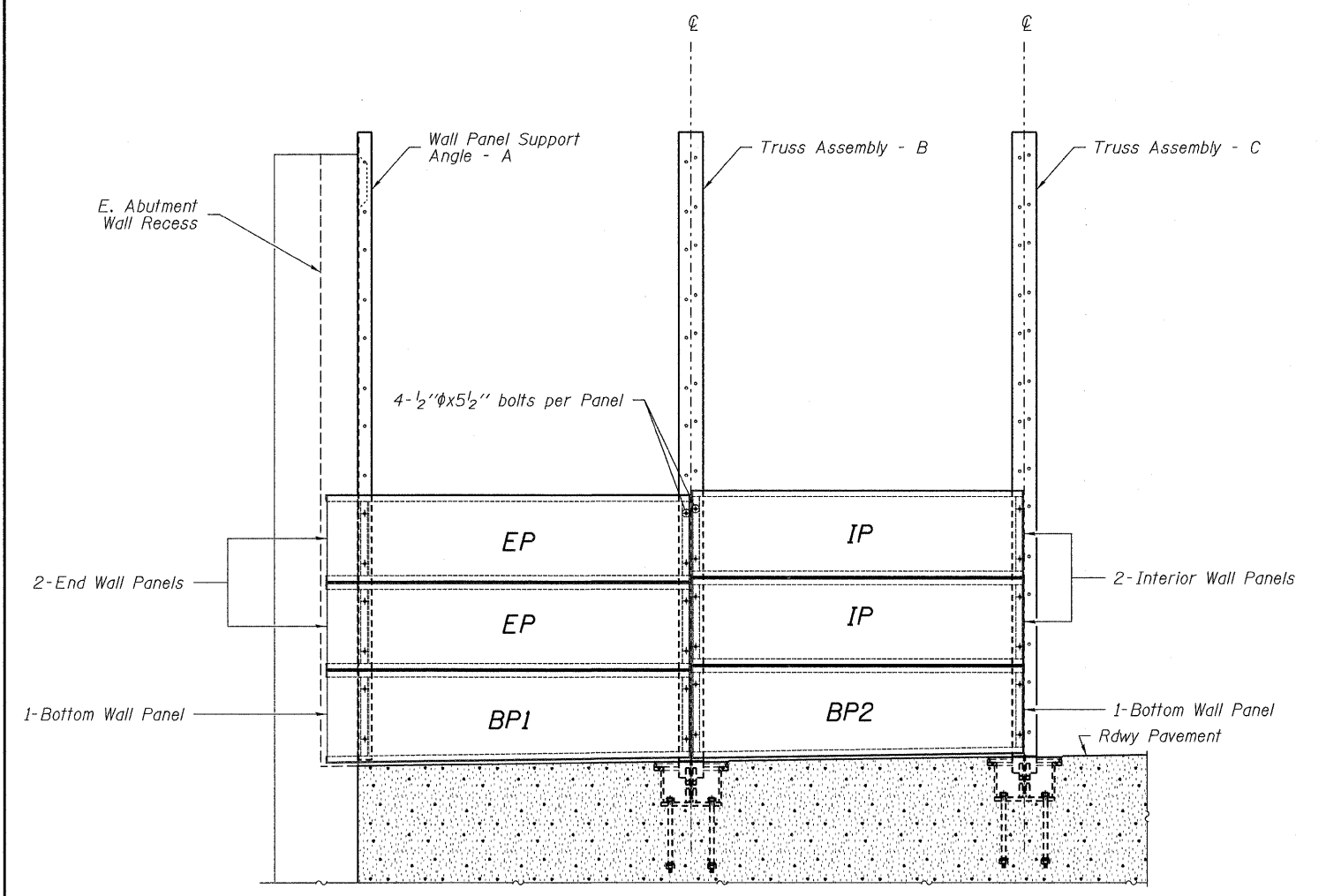
FIGURE E



PLACE TRUSS TRANSVERSE BRACE

DESIGNED - T.P.L.
CHECKED - M.D.C., S.M.S.
DRAWN - P.J.L.
CHECKED - J.L.B.

FIGURE F



ERECT TRUSS ASSEMBLY - C & 3 - WALL PANELS

ASSEMBLY INSTRUCTIONS  
TRUSS ASSEMBLY PLAN  
MOVABLE LEVEE CLOSURE STRUCTURE


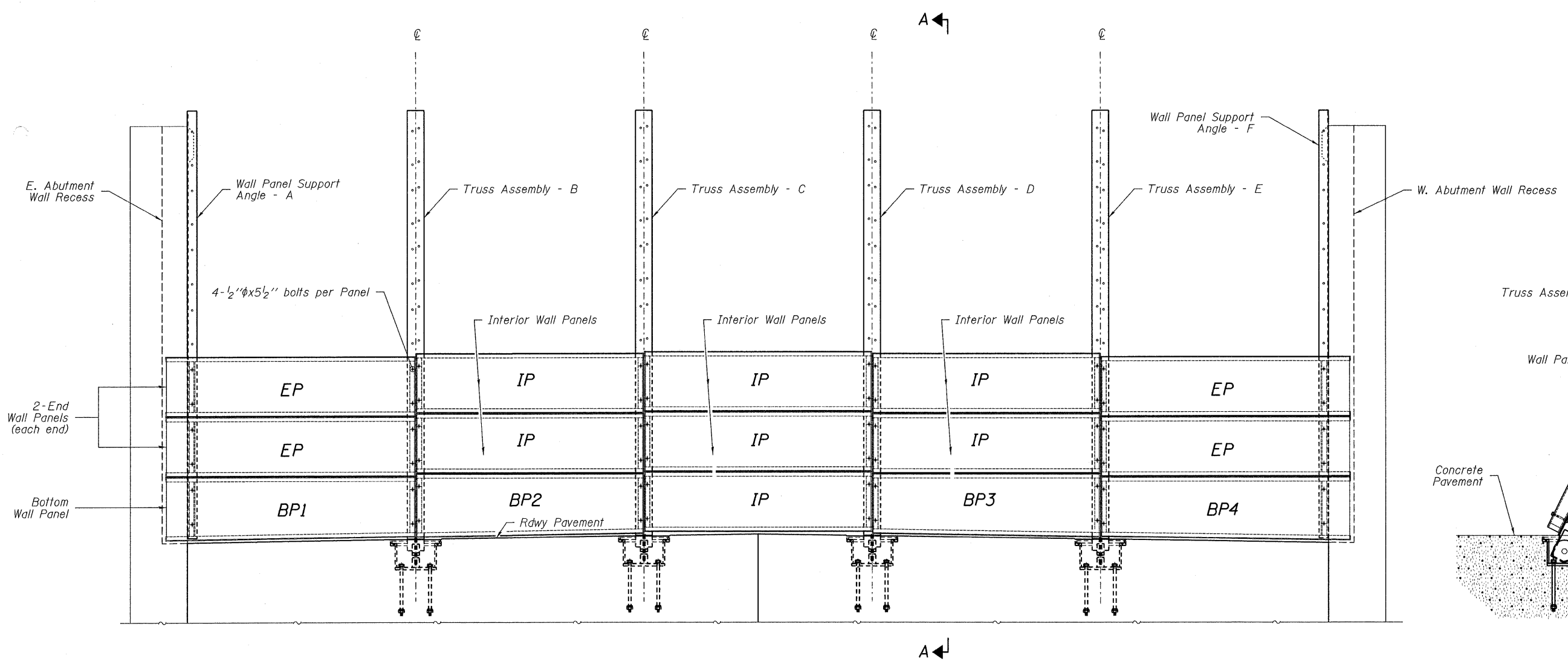
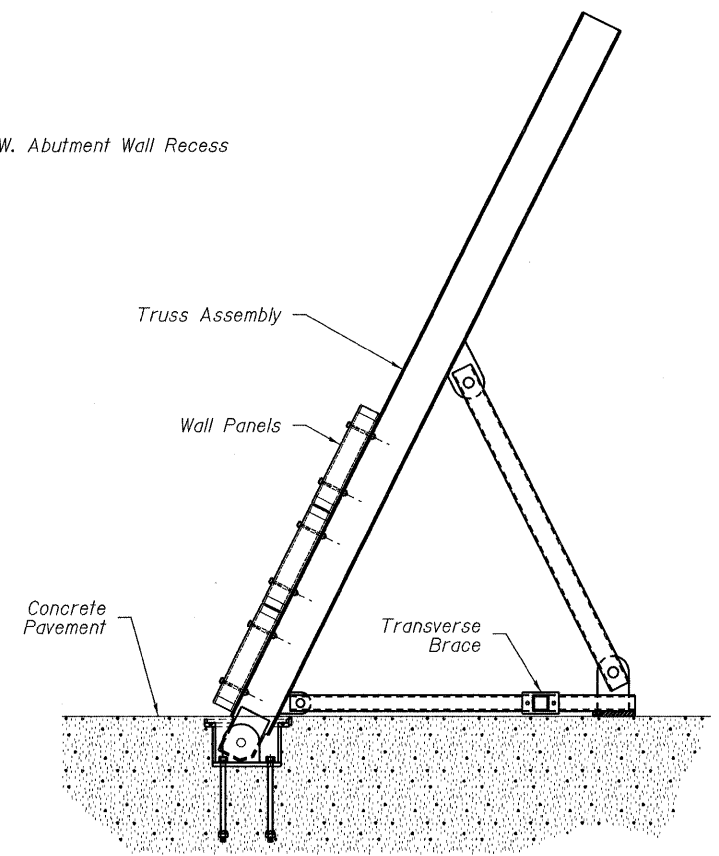
<b>HAMPTON, LENZINI &amp; RENWICK, INC.</b> CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS  3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400 PROJECT NUMBER: 08.0214.130    DATE: 10/01/09	SHEET NO. 4	FAP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	8 SHEETS	869	(105)RS-2	SALINE	82	53
		IL-34 HARRISBURG		CONTRACT NO. 78079		
		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

FIGURE G




ERECT TRUSS ASSEMBLY D & E  
(Figure G-1)



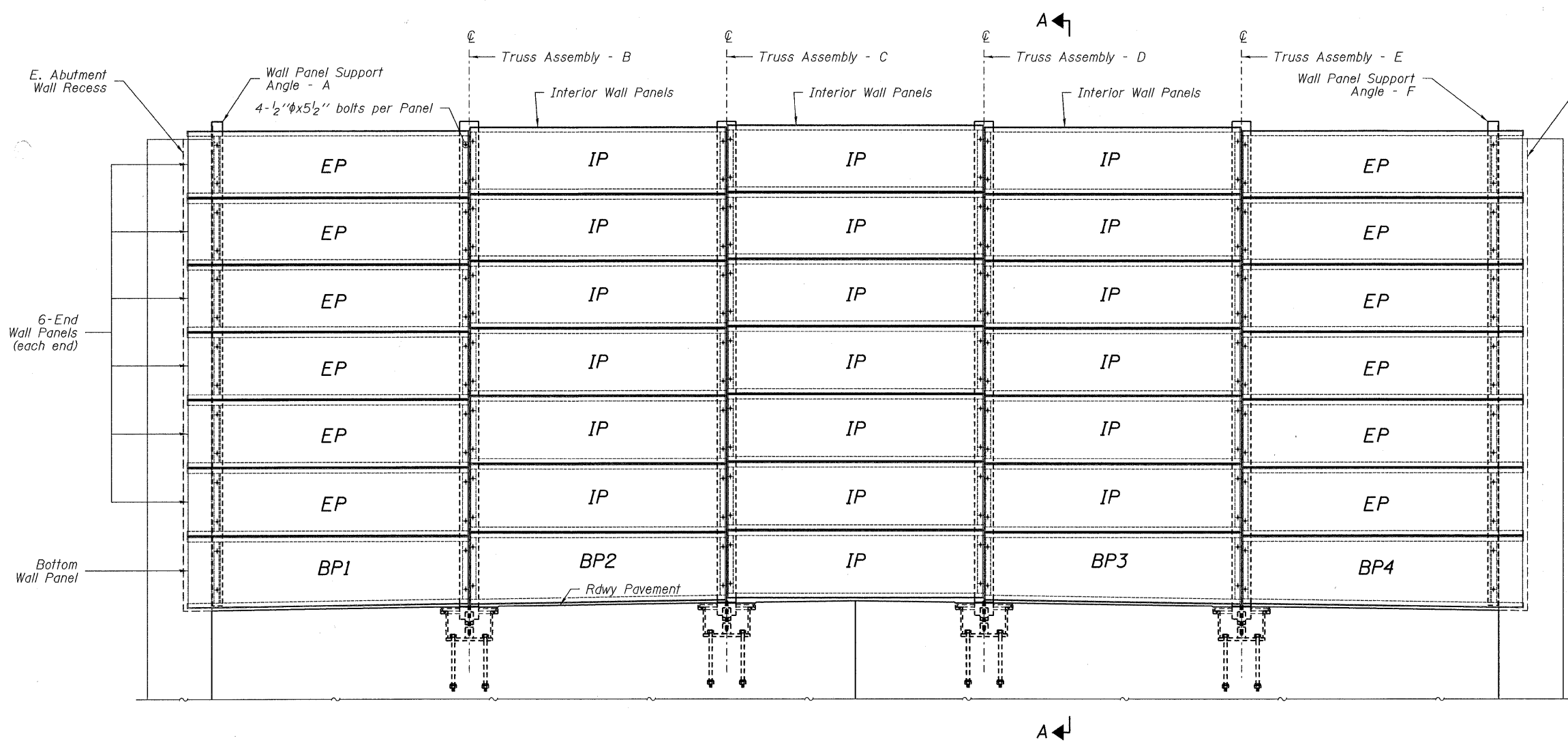
SECTION A-A  
(Figure G-2)

DESIGNED - T.P.L.
CHECKED - M.D.C., S.M.S.
DRAWN - P.J.L.
CHECKED - J.L.B.

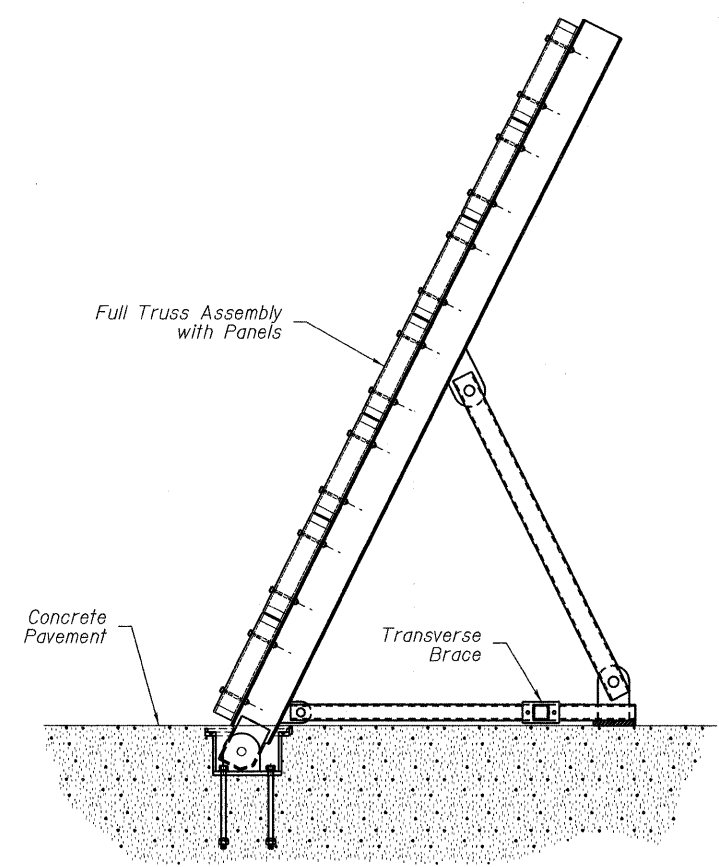
**ASSEMBLY INSTRUCTIONS**  
**TRUSS ASSEMBLY PLAN**  
**MOVABLE LEVEE CLOSURE STRUCTURE**

 HAMPTON, LENZINI & RENWICK, INC. CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400 PROJECT NUMBER: 08.0214.130    DATE: 10/01/09	SHEET NO. 5	FAP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	8 SHEETS	869	(105)RS-2	SALINE	82	54
		IL-34 HARRISBURG		CONTRACT NO. 78079		
	FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT		

**FIGURE H**




**FULLY ERECT TRUSS ASSEMBLY & PANELS**  
(Figure H-1)



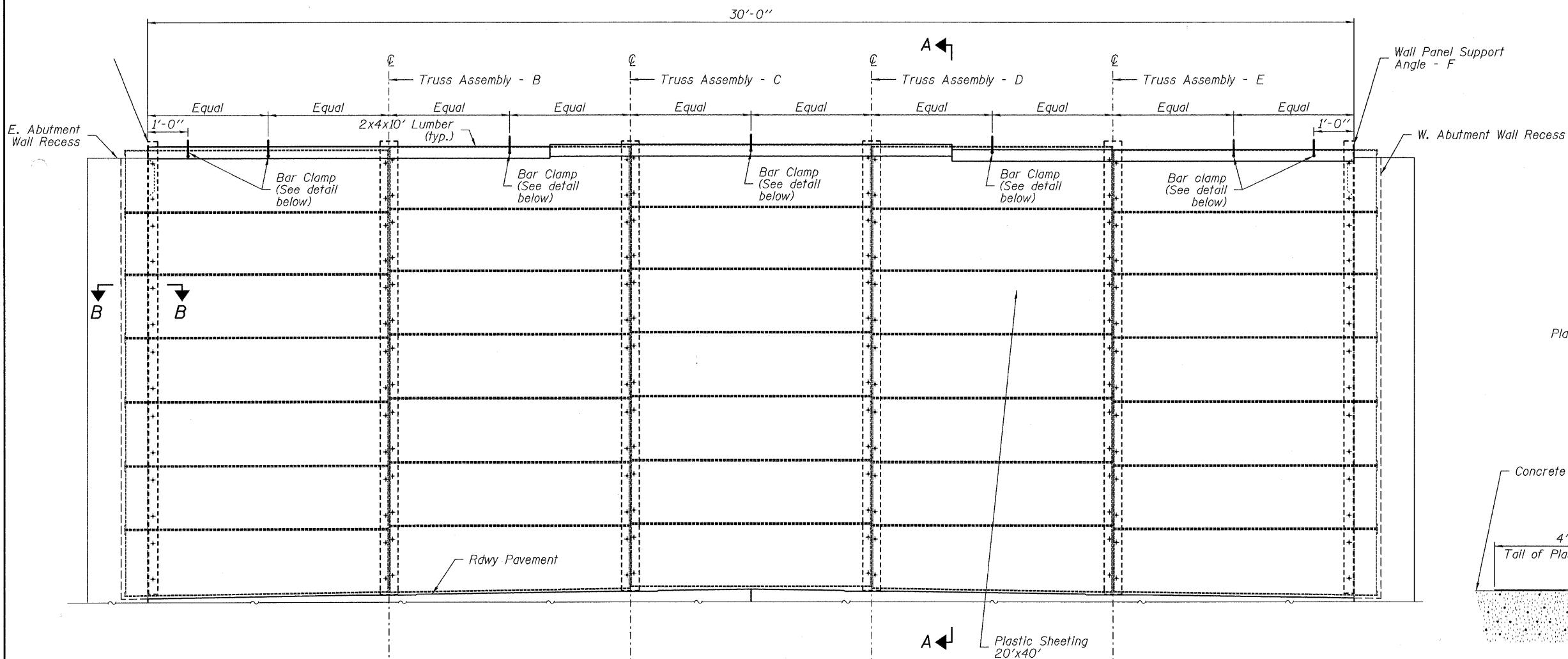
**SECTION A-A**  
(Figure H-2)

DESIGNED - T.P.L.
CHECKED - M.D.C., S.M.S.
DRAWN - P.J.L.
CHECKED - J.L.B.

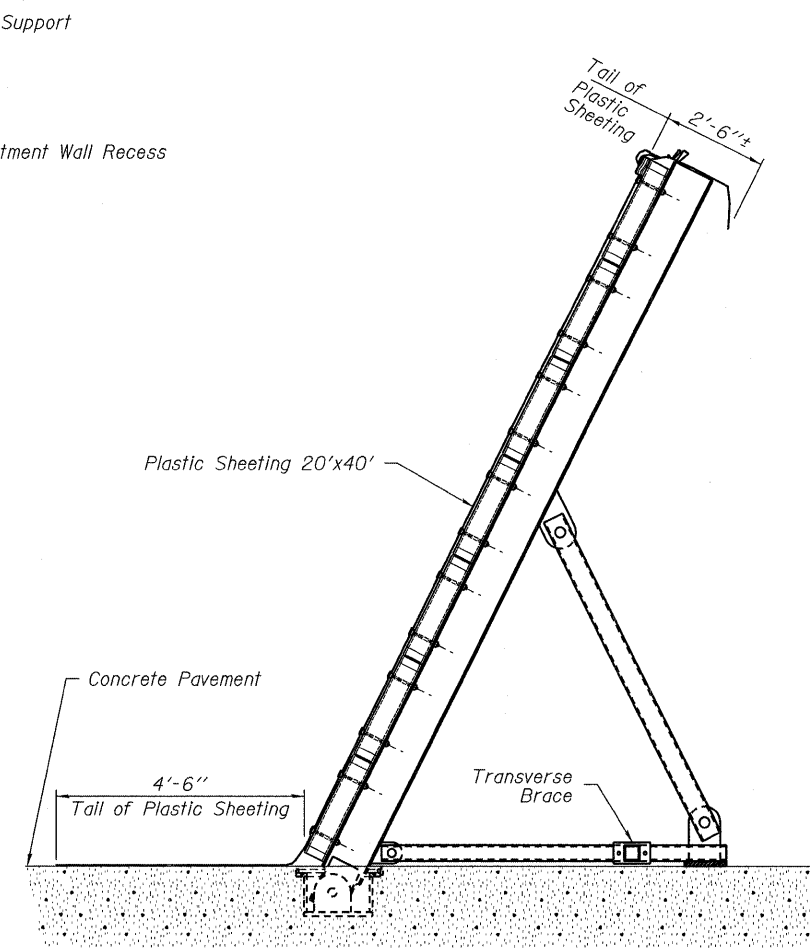
**ASSEMBLY INSTRUCTIONS  
TRUSS ASSEMBLY PLAN  
MOVABLE LEVEE CLOSURE STRUCTURE**

<b>HAMPTON, LENZINI &amp; RENWICK, INC.</b> CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS  3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400 PROJECT NUMBER: 08.0214.130    DATE: 10/01/09	SHEET NO. 6	FAP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	8 SHEETS	869	(105)RS-2	SALINE	82	55
		IL-34 HARRISBURG	CONTRACT NO. 78079			
		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

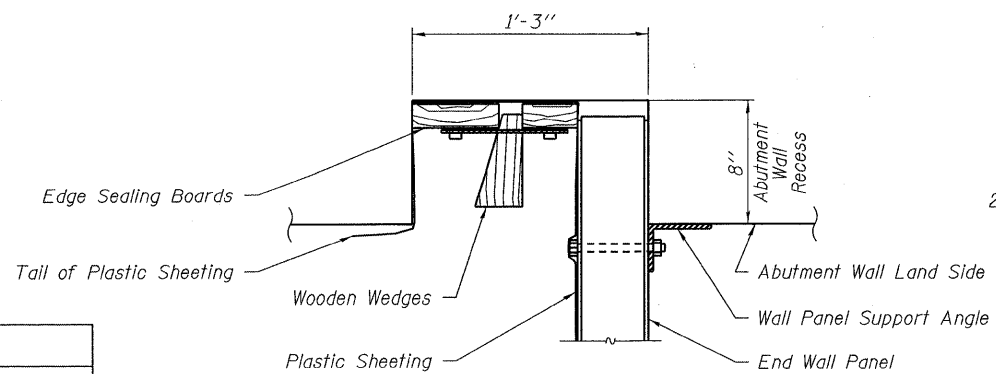
**FIGURE I**



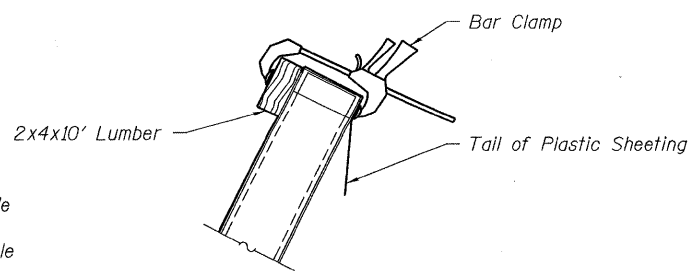
**FULLY ERECT TRUSS ASSEMBLY & PANELS**  
(Figure I-1)



**SECTION A-A**  
(Figure I-2)



**SECTION B-B**  
(Figure I-3)



**BAR CLAMPING DETAIL**  
(Figure I-4)

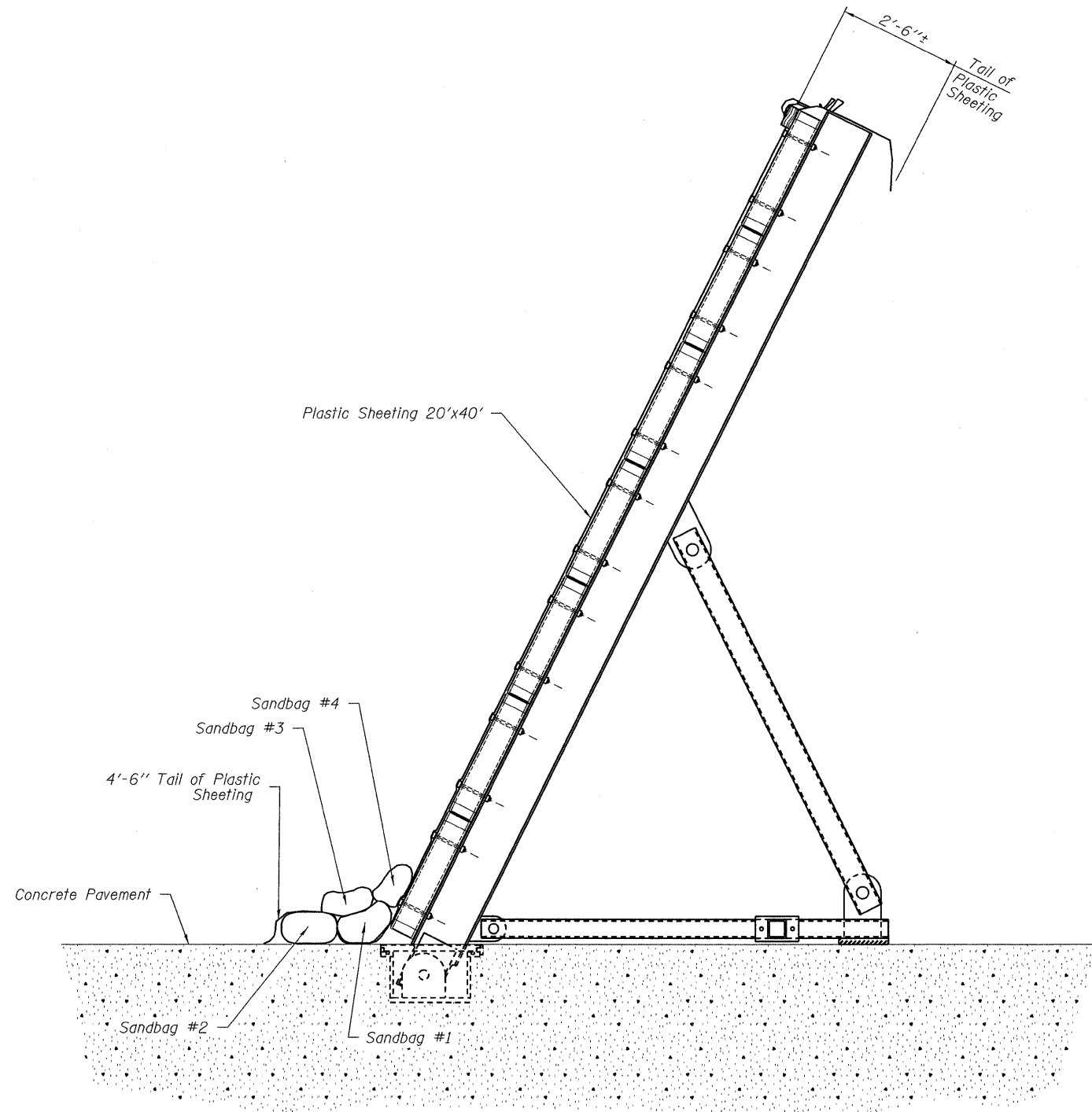
DESIGNED - T.P.L.
CHECKED - M.D.C., S.M.S.
DRAWN - P.J.L.
CHECKED - J.L.B.

**ASSEMBLY INSTRUCTIONS  
TRUSS ASSEMBLY PLAN  
MOVABLE LEVEE CLOSURE STRUCTURE**

<b>HAMPTON, LENZINI &amp; RENWICK, INC.</b> CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400 PROJECT NUMBER: 08.0214.130    DATE: 10/01/09	SHEET NO. 7	FAP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	8 SHEETS	869	(105)RS-2	SALINE	82	56
		IL-34 HARRISBURG		CONTRACT NO. 78079		
		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



FIGURE J



FULLY ERECT TRUSS ASSEMBLY, PANELS & SANDBAGS CROSS SECTION

ASSEMBLY INSTRUCTIONS  
TRUSS ASSEMBLY PLAN  
MOVABLE LEVEE CLOSURE STRUCTURE

DESIGNED - T.P.L.
CHECKED - M.D.C., S.M.S.
DRAWN - P.J.L.
CHECKED - J.L.B.

**HAMPTON, LENZINI & RENWICK, INC.**  
CIVIL & STRUCTURAL ENGINEERS  
LAND SURVEYORS

**HLR** 3085 STEVENSON DRIVE, SUITE 201  
SPRINGFIELD, ILLINOIS 62703  
(217) 546-3400

PROJECT NUMBER: 08.0214.130 DATE: 10/01/09

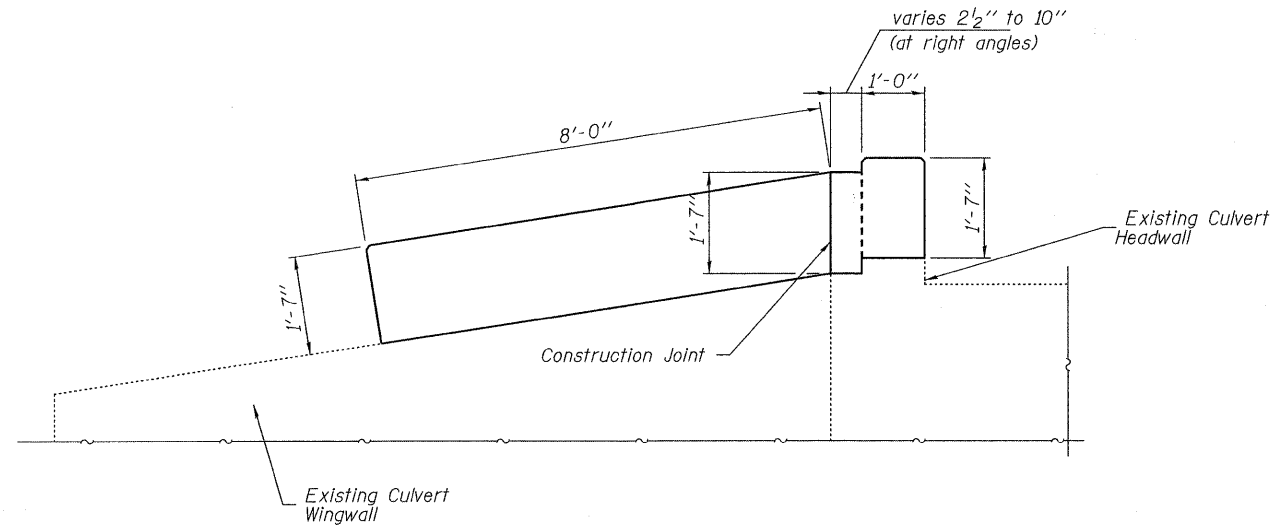
SHEET NO. 8  
8 SHEETS

FAP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
869	(105)RS-2	SALINE	82	57
IL-34 HARRISBURG		CONTRACT NO. 78079		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

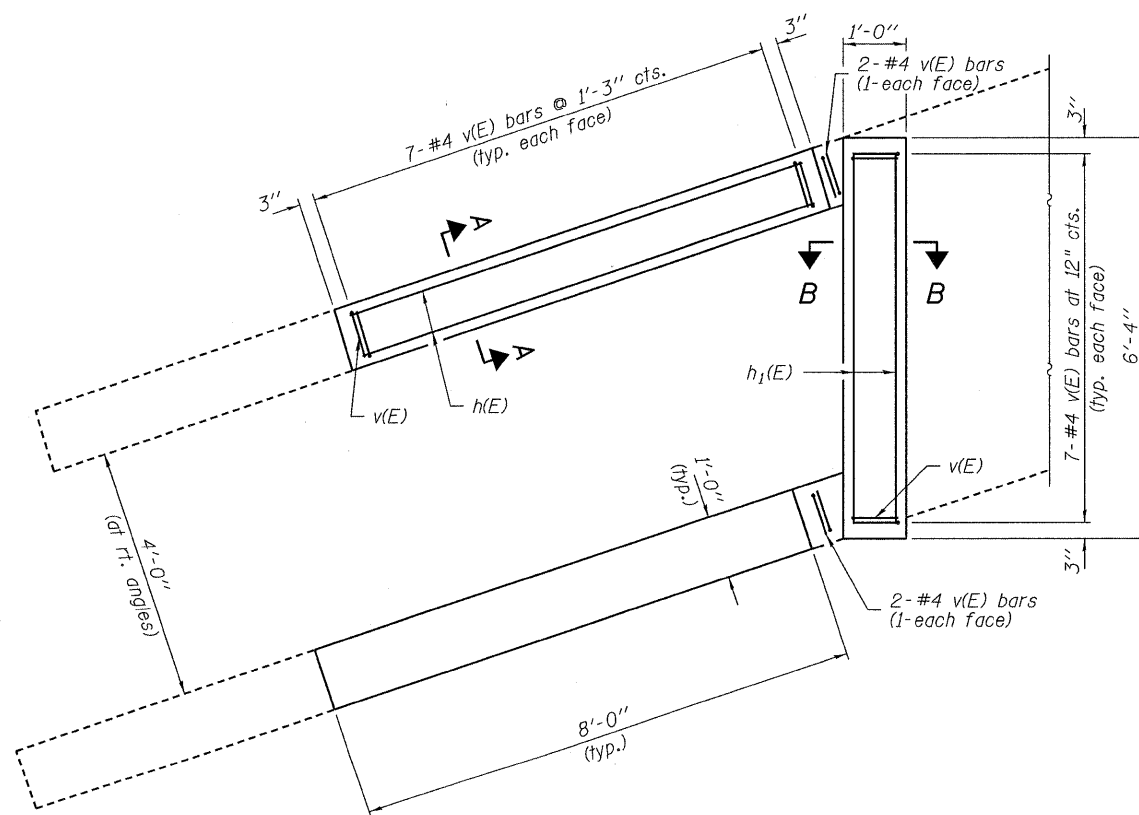
**BENCHMARK:**

EXISTING CULVERT: Located at Sta. 1633+66.30, built in 1940. The culvert headwalls and wingwalls will be modified at both ends. East end of culvert shown below, west end similar.

No Salvage.



**ELEVATION-EAST CULVERT END**  
(West Culvert End Similar)

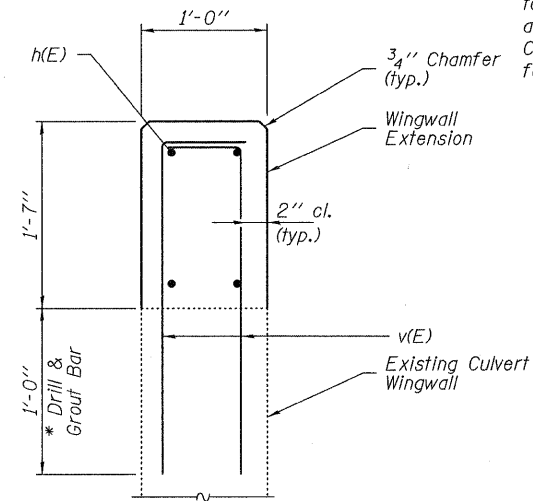


**PLAN-EAST CULVERT END**  
(West Culvert End Similar)

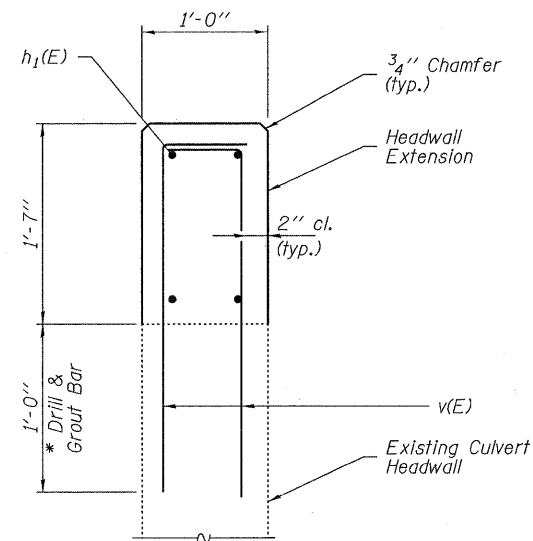
DESIGNED - T.P.L.
CHECKED - M.D.C.
DRAWN - P.J.L.
CHECKED - J.L.B.

**GENERAL NOTES**

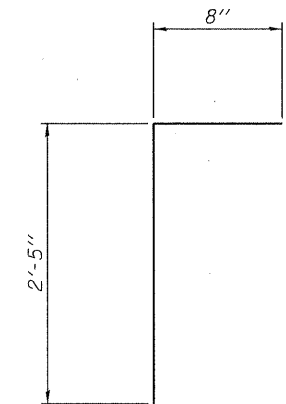
Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.  
Reinforcement bars designated (E) shall be epoxy coated.  
Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.



**SECTION A-A**  
(Typical both wings both ends of culvert)



**SECTION B-B**



**BAR v(E)**

**BILL OF MATERIAL - CULVERT**

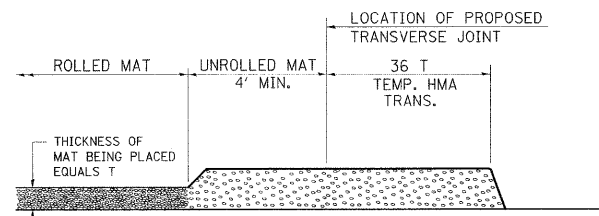
BAR	NO.	SIZE	LENGTH	SHAPE
h(E)	16	#4	7'-7"	—
h1(E)	8	#4	6'-0"	—
v(E)	92	#4	3'-1"	U
Concrete Box Culverts			Cu. Yd.	3.0
Reinforcement Bars, Epoxy Coated			Pound	300

Note:  
\* Cost of drilling and grouting bars in existing culvert included with contract unit price for "Reinforcing Bars, Epoxy Coated".

**CULVERT HEADWALL MODIFICATIONS**  
**STA. 1633+66.30**

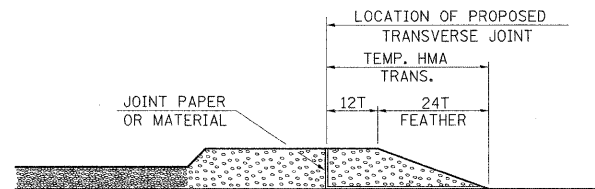
<b>HAMPTON, LENZINI &amp; RENWICK, INC.</b> CIVIL & STRUCTURAL ENGINEERS LAND SURVEYORS 3085 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62703 (217) 546-3400	SHEET NO. 1	FAP	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	1 SHEET	869	(105)RS-2	SALINE	82	58
		IL-34 HARRISBURG		CONTRACT NO. 78079		
PROJECT NUMBER: 08.0214.130		DATE: 10/01/09		FED. ROAD DIST. NO. 9 ILLINOIS FED. AID PROJECT		

### TEMPORARY HOT-MIX ASPHALT TRANSITIONS



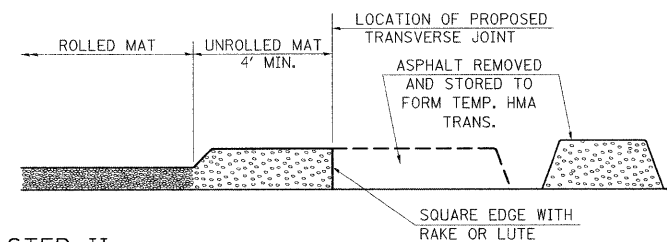
#### STEP I

1. PLACE HOT-MIX ASPHALT MAT, LENGTH 36 TIMES THE THICKNESS OF THE MAT BEING PLACED PAST THE PROPOSED TRANSVERSE JOINT LOCATION USING NORMAL OPERATING PROCEDURES.
2. EXTREME CARE SHOULD BE TAKEN TO MAINTAIN ENOUGH MATERIAL IN FRONT OF THE SCREED TO MAINTAIN REQUIRED PAVING DEPTH.



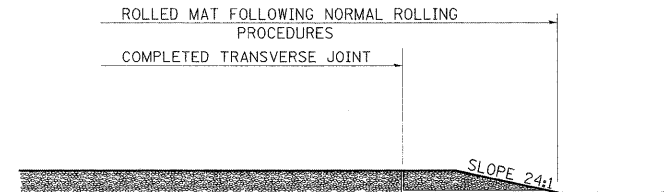
#### STEP III

1. JOINT PAPER OR OTHER PRESELECTED JOINT MATERIAL IS THEN PLACED IN THE CLEARED AREA AND THE EXCESS ASPHALT USED TO HAND FORM A TRANSITION TO THE DIMENSIONS SHOWN ABOVE.
2. NOTE THAT IN CONSTRUCTING THE TRANSITION, THE MAT DEPTH IS CONTINUED AS PART OF THE TRANSITION BEFORE FORMING THE FEATHER.



#### STEP II

1. MOVE THE PAVER OUT OF THE WAY AND REMOVE THE ASPHALT FROM THE AREA OF THE PROPOSED TEMPORARY HOT-MIX ASPHALT TRANSITION.
2. SQUARE UP THE END OF THE MAT WITH A RAKE OR LUTE.
3. NOTE THAT THE MAT WITHIN 4' OF THE END OF JOINT IS NOT TO BE ROLLED AT THIS TIME.



#### STEP IV

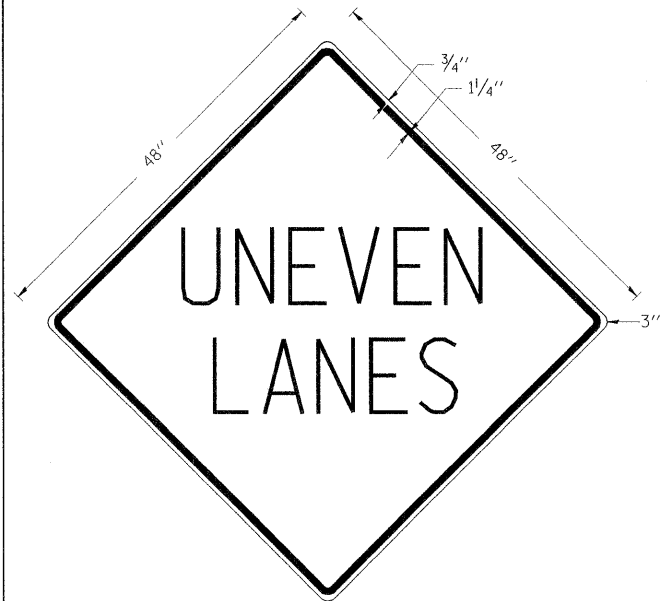
1. COMPLETE TEMPORARY TRANSITION BY ROLLING.
2. TO RESUME PAVING, AT THE JOINT, REMOVE TEMPORARY TRANSITION AND DISPOSE OF THE MATERIAL ACCORDING TO ART. 202.03 OF THE STD. SPECS. (COST INCLUDED IN THE CONTRACT).
3. CONSTRUCTING THE TEMPORARY TRANSITIONS WILL NOT BE PAID FOR SEPARATELY IN ACCORDANCE WITH ARTICLE 406.14 OF THE STANDARD SPECIFICATIONS.

REVISIONS	
REDRAWN	2-15-89
REVISED	8-16-94
REVISED	01-09-07

STD. 9-26

### UNEVEN LANES SIGN

W8-11 (48" x 48")



**COLORS:**  
LEGEND AND BORDER - BLACK NON-REFLECTORIZED  
BACKGROUND - ORANGE REFLECTORIZED

**NOTE:** PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED OR BEFORE RESURFACING OPERATIONS BEGIN, THE CONTRACTOR SHALL HAVE ERECTED "UNEVEN PAVEMENT" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "UNEVEN PAVEMENT" SIGNS UNTIL THE RESURFACING OPERATIONS ARE COMPLETED.

IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

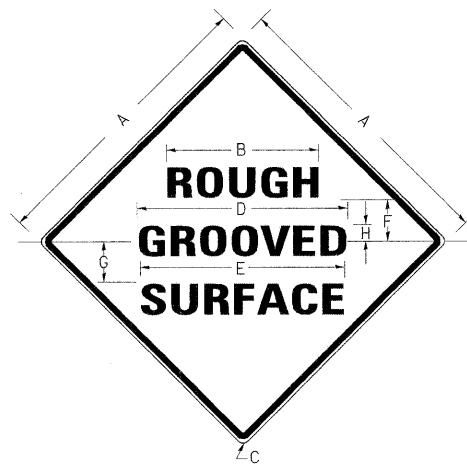
THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

REVISIONS	
DRAWN	2-15-89
REVISED	4-6-93
REDESIGNED	7-23-04

STD. 9-41

### ILLINOIS STANDARD

W8-I106



#### COLORS:

LEGEND AND BORDER- BLACK NON-REFLECTORIZED  
BACKGROUND- ORANGE REFLECTORIZED

SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	H
48X48	48.0	24.1	3.0	34.0	33.0	6.0	13.0	3.5

SIGN SIZE	SERIES LINES			MAR-GIN	BOR-DER	BLANK STD.
	1	2	3			
48X48	7C	7C	7C	0.8	1.2	B4-48D

ALL DIMENSIONS IN INCHES

#### NOTES:

PRIOR TO ALLOWING TRAFFIC ON ANY PORTION OF THE ROADWAY THAT HAS BEEN COLDMILLED, THE CONTRACTOR SHALL HAVE ERECTED "ROUGH GROOVED SURFACE" SIGNS THAT CONFORM TO THE ABOVE DETAILS. A MINIMUM OF ONE SIGN AT EACH END OF THE IMPROVEMENT WILL BE REQUIRED. THE CONTRACTOR SHALL MAINTAIN THE "ROUGH GROOVED SURFACE" SIGNS UNTIL THE COLDMILLED SURFACE IS COVERED WITH LEVELING BINDER OR SURFACE COURSE.

IF AT ANY TIME THE SIGNS ARE IN PLACE BUT NOT APPLICABLE, THEY SHALL BE TURNED FROM THE VIEW OF MOTORISTS OR COVERED AS DIRECTED BY THE ENGINEER.

THE COST OF FURNISHING, ERECTING, MAINTAINING, AND REMOVING THE REQUIRED SIGNS SHALL BE INCLUDED IN THE CONTRACT.

REVISIONS	
REDRAWN	2-15-89
REVISED	4-6-93
REVISED	

STD. 9-39

FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -
\$FILEL\$		DRAWN -	REVISED -
	PLOT SCALE = #SCALE#	CHECKED -	REVISED -
	PLOT DATE = #DATE#	DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

TEMPORARY HOT-MIX ASPHALT TRANSITIONS, UNEVEN LANES, AND ROUGH GROOVED SURFACE DETAILS

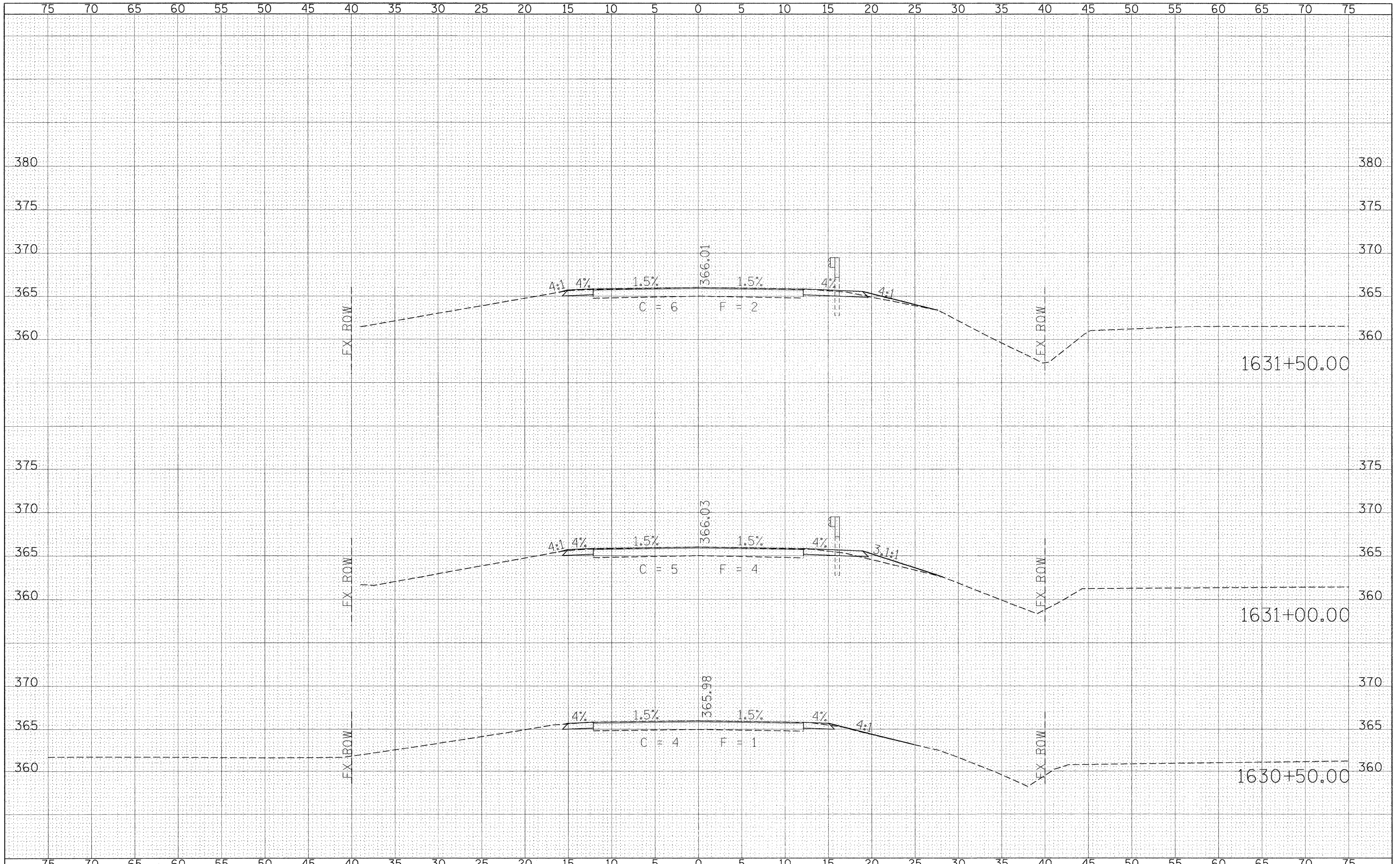
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
869	*	Saline	82	59
CONTRACT NO. 78065				

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

ILLINOIS FED. AID PROJECT 105(TS-2,N-1,RS-3,RS-2)

DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	
REVISIONS	
NO.	

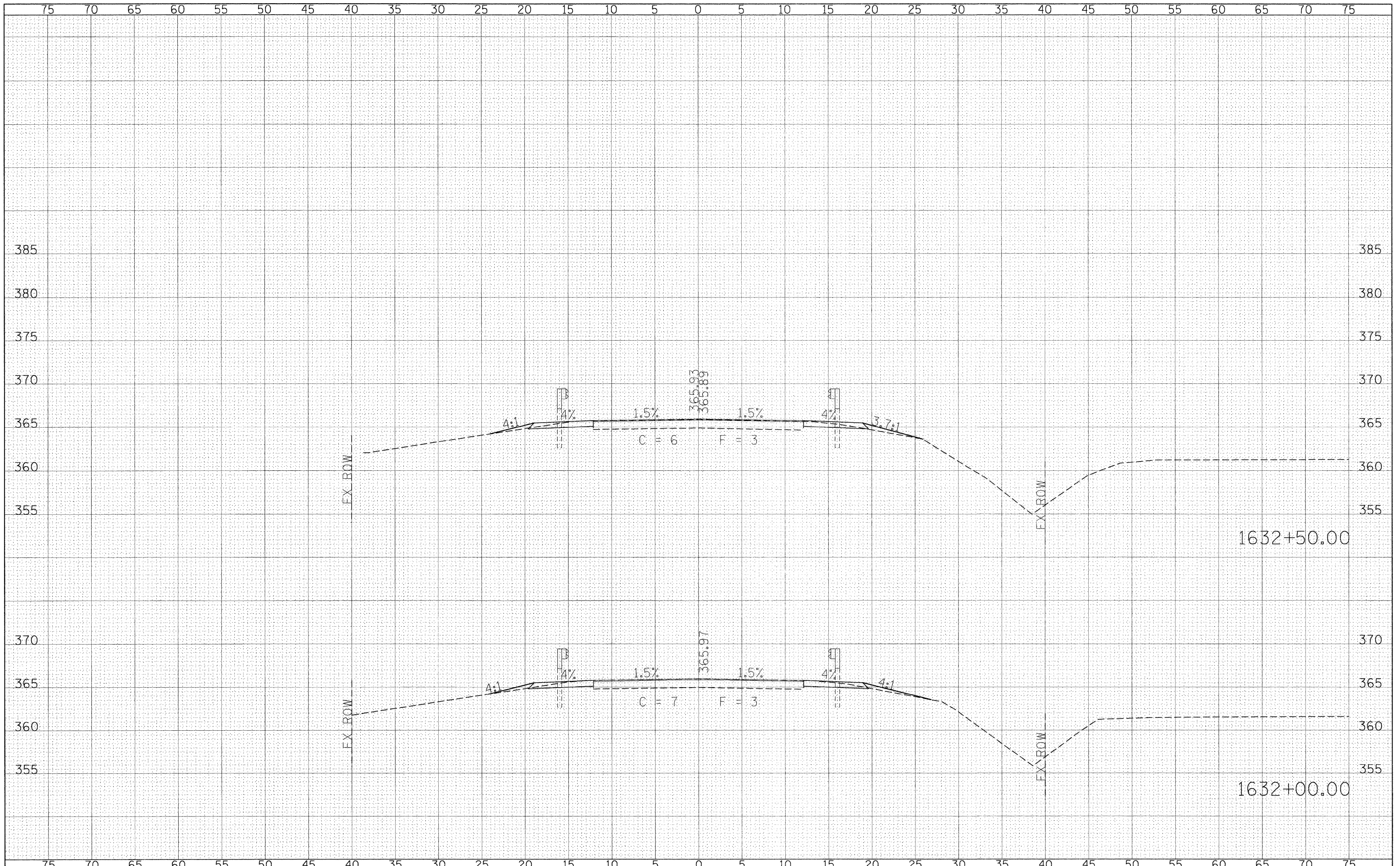
DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	
REVISIONS	
NO.	



FILE NAME =	USER NAME = #USER*	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTION - IL 34</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN -	REVISED -					869	105(TS-2,N-1,RS-3,RS-2)	SALINE	82	60
		CHECKED -	REVISED -		CONTRACT NO. 78065							
		DATE -	REVISED -		SCALE: 5	SHEET NO. OF SHEETS	STA. 1630+50.00 TO STA. 1631+50.00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			

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

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



FILE NAME =	#FILEL\$
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USER NAME = #USER*	DESIGNED -	REVISD -
	DRAWN -	REVISD -
	CHECKED -	REVISD -
	DATE -	REVISD -

DESIGNED -	REVISD -
DRAWN -	REVISD -
CHECKED -	REVISD -
DATE -	REVISD -

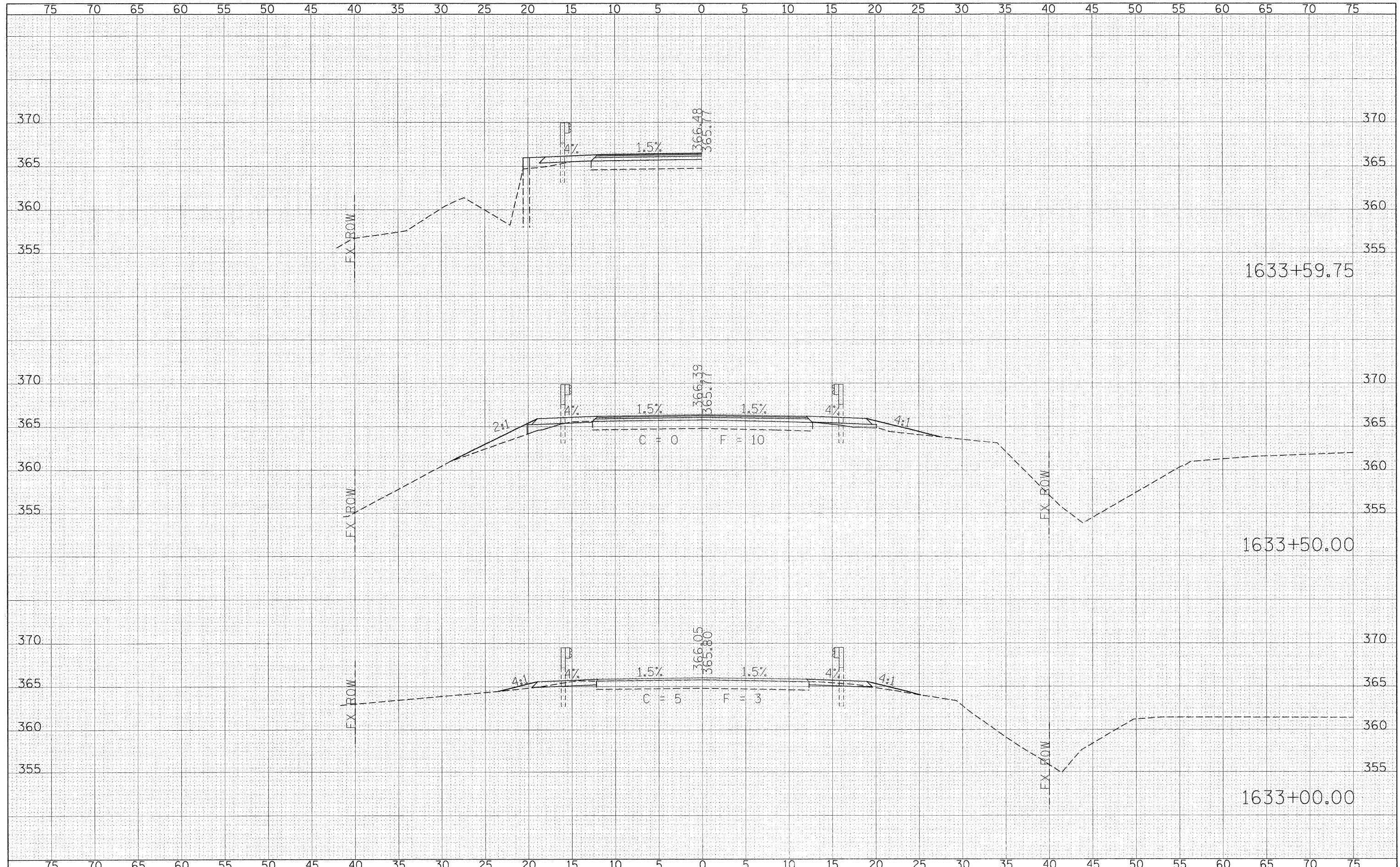
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>CROSS SECTION - IL 34</b>			
SCALE: 5	SHEET NO.	OF	SHEETS
STA. 1632+00.00		TO STA. 1632+50.00	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
869	105(TS-2,N-1,RS-3,RS-2)	SALINE	82	61
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 78065				

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS	
CHECKED	
NO.	

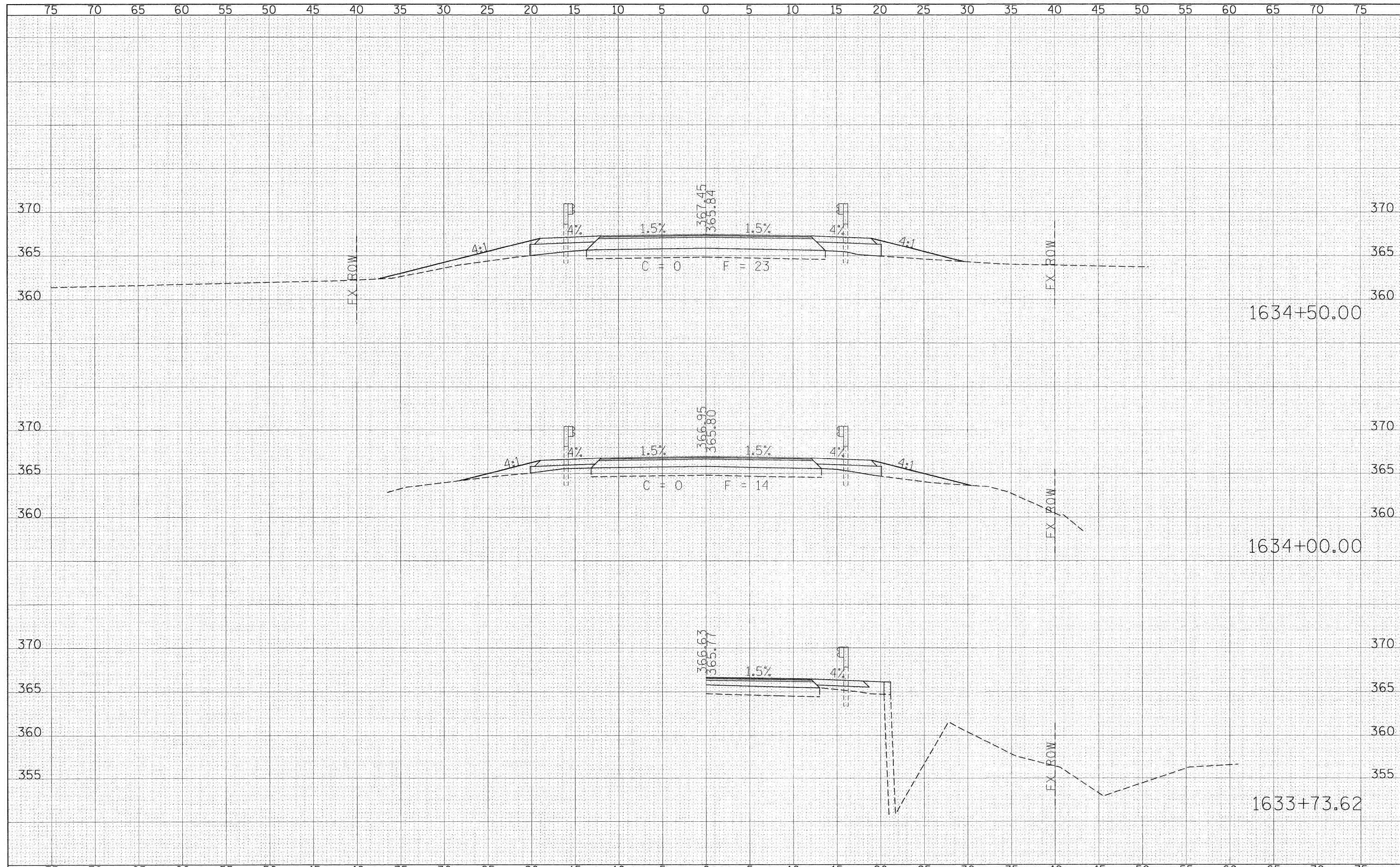
DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS	
CHECKED	
NO.	



FILE NAME =	USER NAME = #USER*	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTION - IL 34</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILEL*		DRAWN -	REVISED -		SCALE: 5	SHEET NO.	OF	SHEETS	STA. 1633+00.00 TO STA. 1633+59.75	869	105(TS-2,N-1,RS-3,RS-2)	SALINE	82	62
		CHECKED -	REVISED -											
		PLOT DATE = #DATE*	REVISED -											
										CONTRACT NO. 78065				
										ILLINOIS FED. AID PROJECT				

DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
REVISIONS	
NO.	

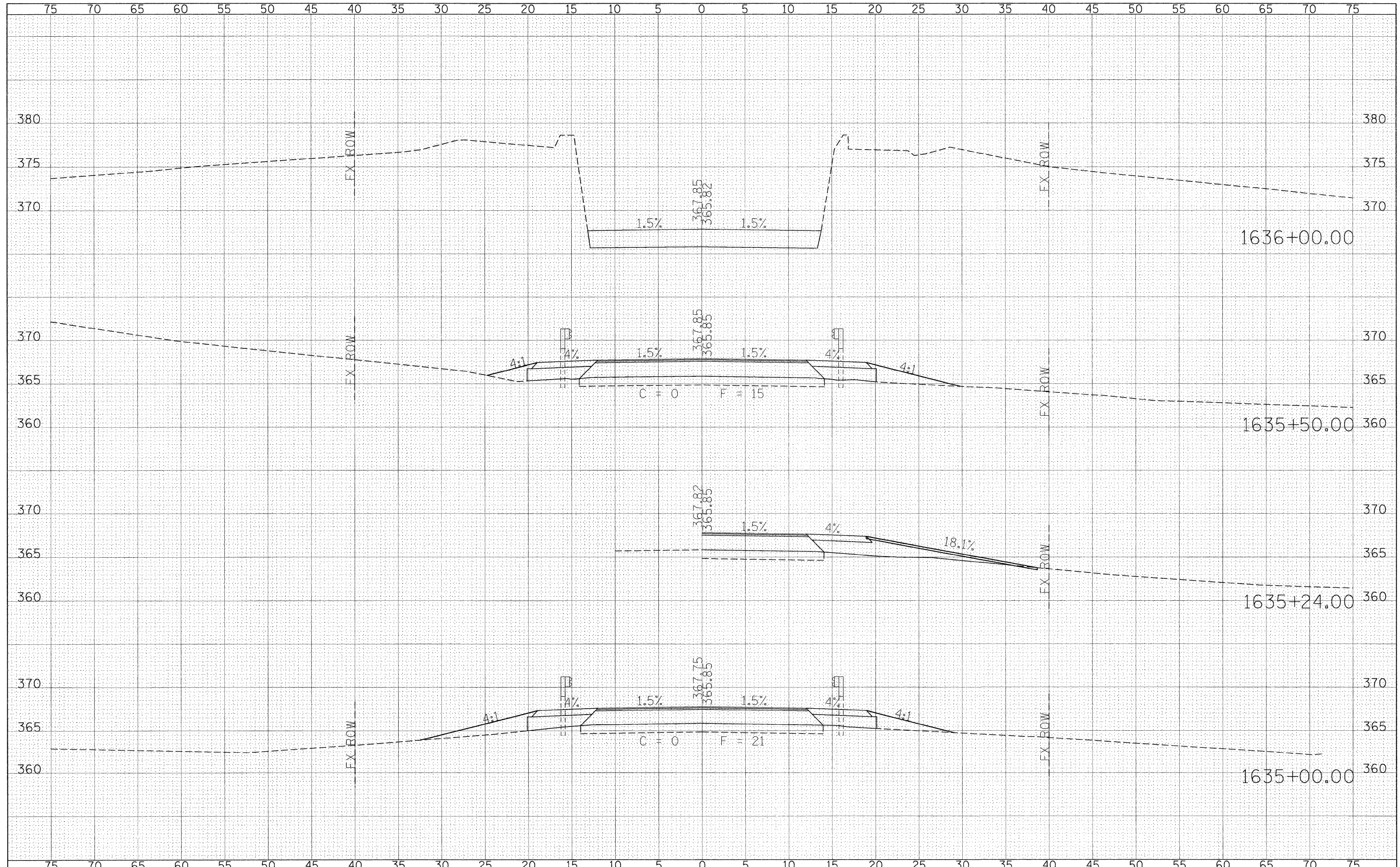
DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
REVISIONS	
NO.	



FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTION - IL 34</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
#FILEL#		DRAWN -	REVISED -		SCALE: 5	SHEET NO.	OF	SHEETS	STA. 1633+73.62 TO STA. 1634+50.00	869	105(TS-2,N-1,RS-3,RS-2)	SALINE	82	63
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		PLOT DATE = #DATE#	REVISED -											
										CONTRACT NO. 78065			ILLINOIS FED. AID PROJECT	

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

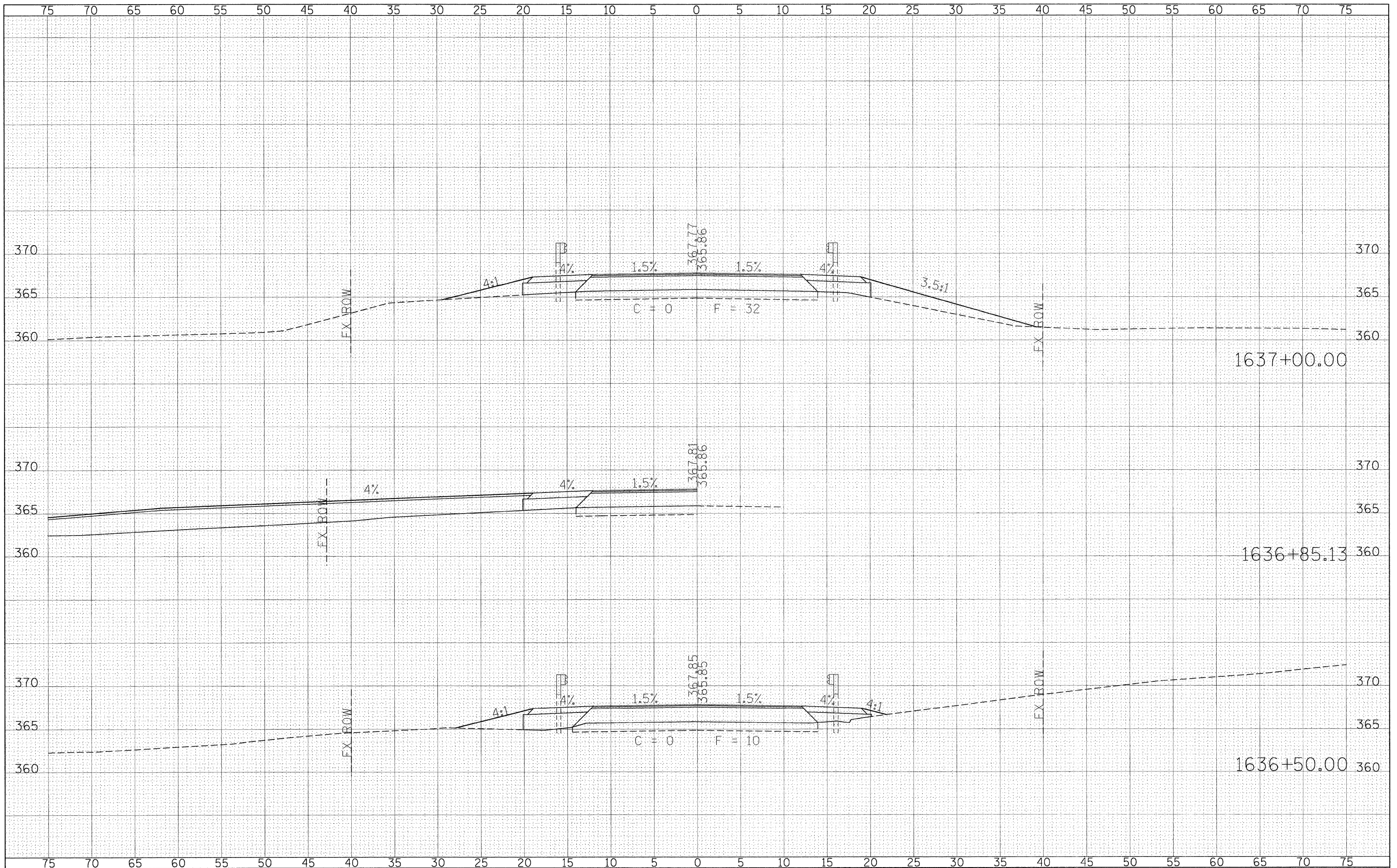
**CROSS SECTION - IL 34**  
 SCALE: 5 SHEET NO. OF SHEETS STA. 1635+00.00 TO STA. 1636+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
869	105(TS-2,N-1,RS-3,RS-2)	SALINE	82	64
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 78065		



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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

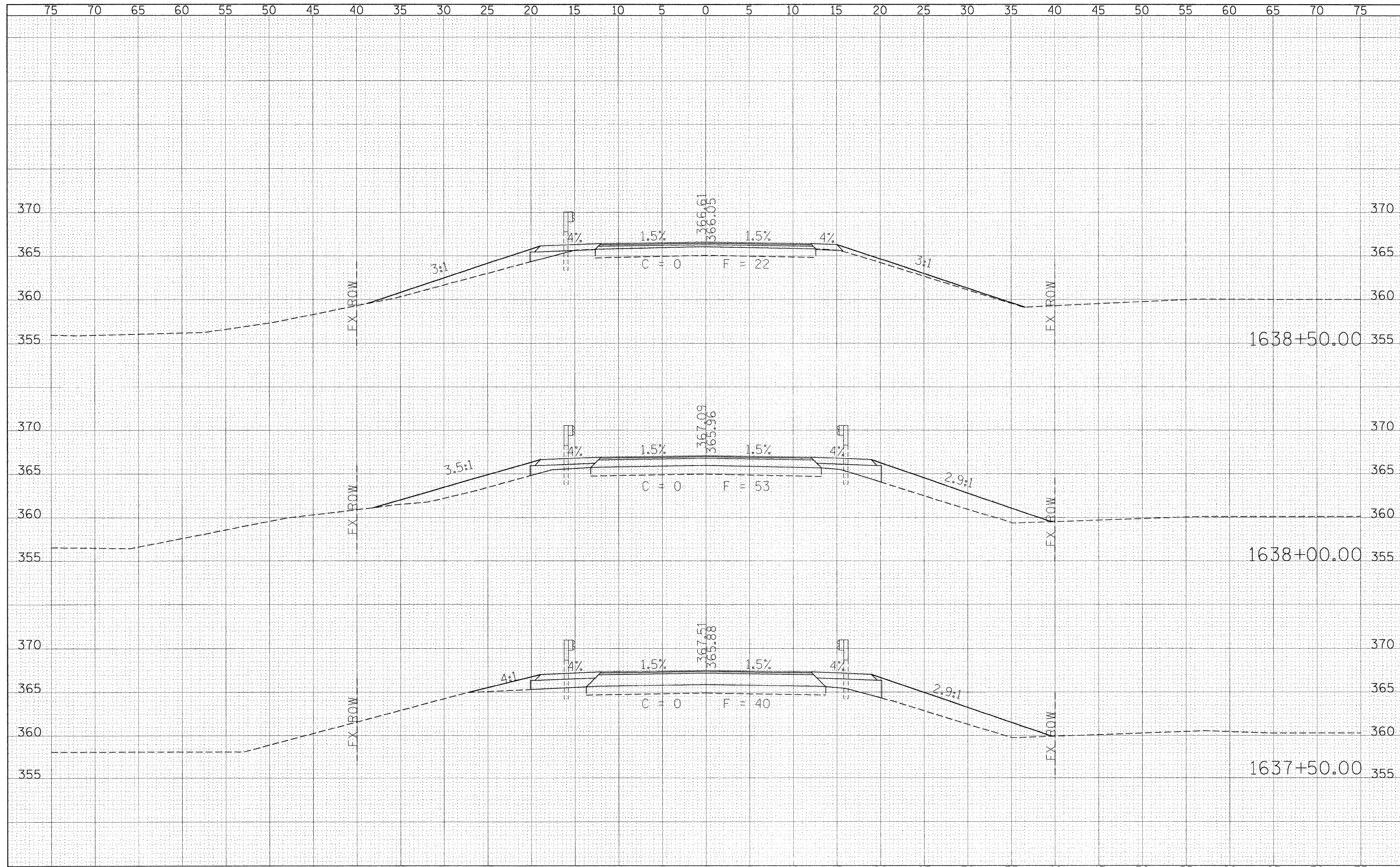
**CROSS SECTION - IL 34**

SCALE: 5 SHEET NO. OF SHEETS STA. 1636+50.00 TO STA. 1637+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
869	105(ITS-2,N-1,RS-3,RS-2)	SALINE	82	65
CONTRACT NO. 78065				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

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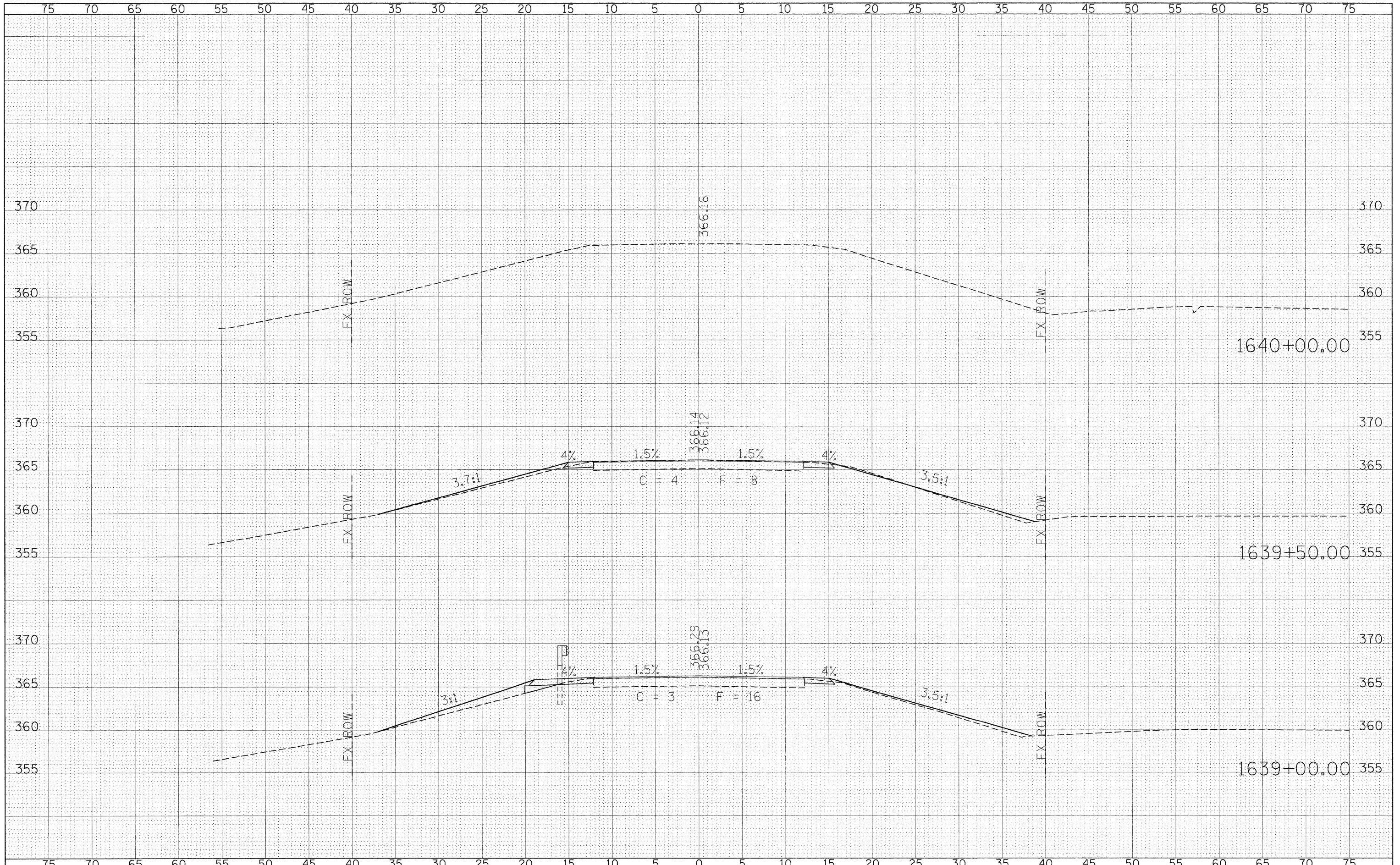
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FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTION - IL 34</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
#FILE#		DRAWN -	REVISED -		869	105(TS-2,N-1,RS-3,RS-2)	SALINE	82	66				
PLOT SCALE = #SCALE#		CHECKED -	REVISED -		SCALE: 5			SHEET NO.	OF	SHEETS	STA. 1637+50.00 TO STA. 1638+50.00	CONTRACT NO. 78065	
PLOT DATE = #DATE#		DATE -	REVISED -					FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT				

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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

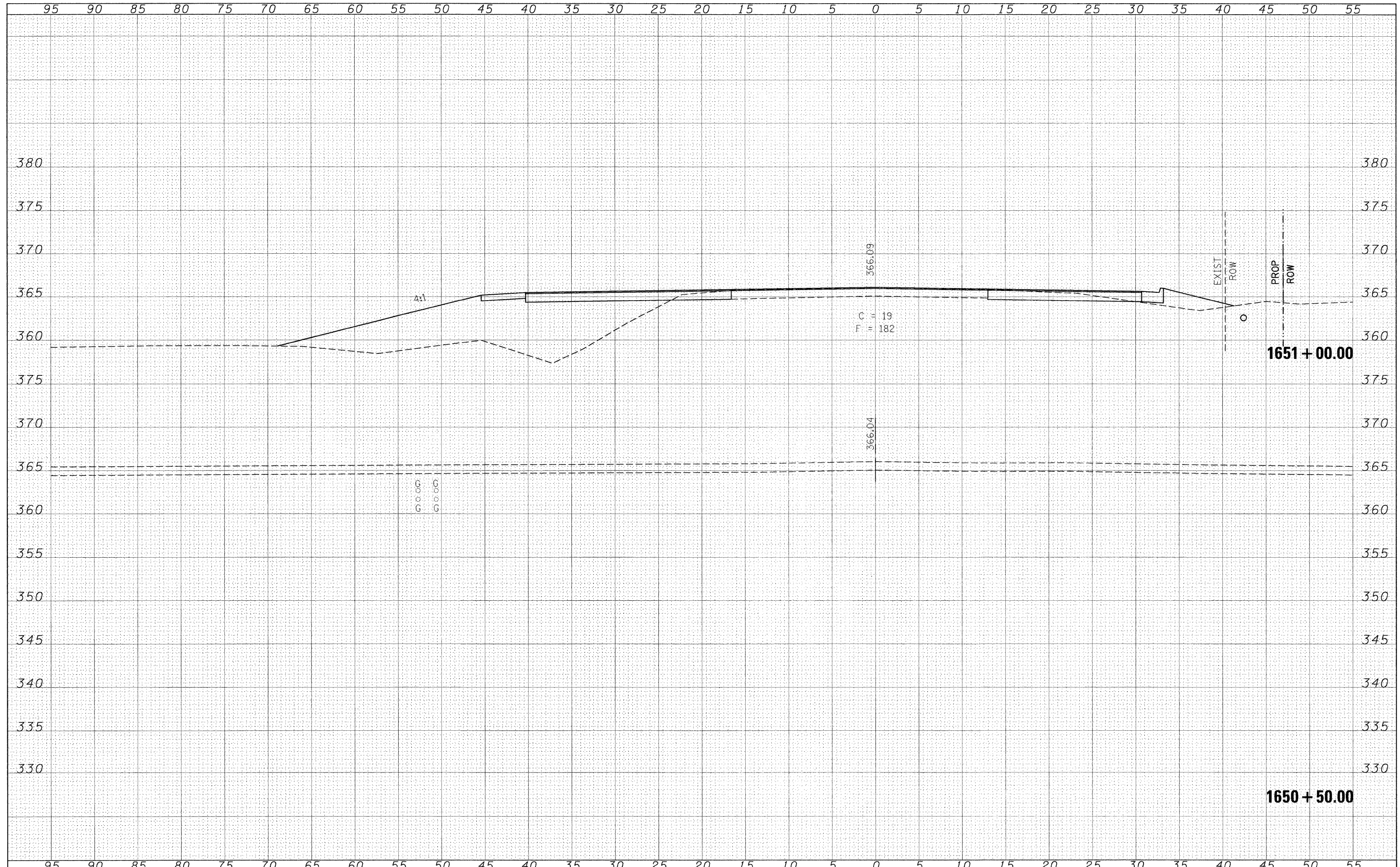
**CROSS SECTION - IL 34**

SCALE: 5      SHEET NO.    OF    SHEETS    STA. 1639+00.00 TO STA. 1640+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
869	105(TS-2,N-1,RS-3,RS-2)	SALINE	82	67
CONTRACT NO. 78065			ILLINOIS FED. AID PROJECT	

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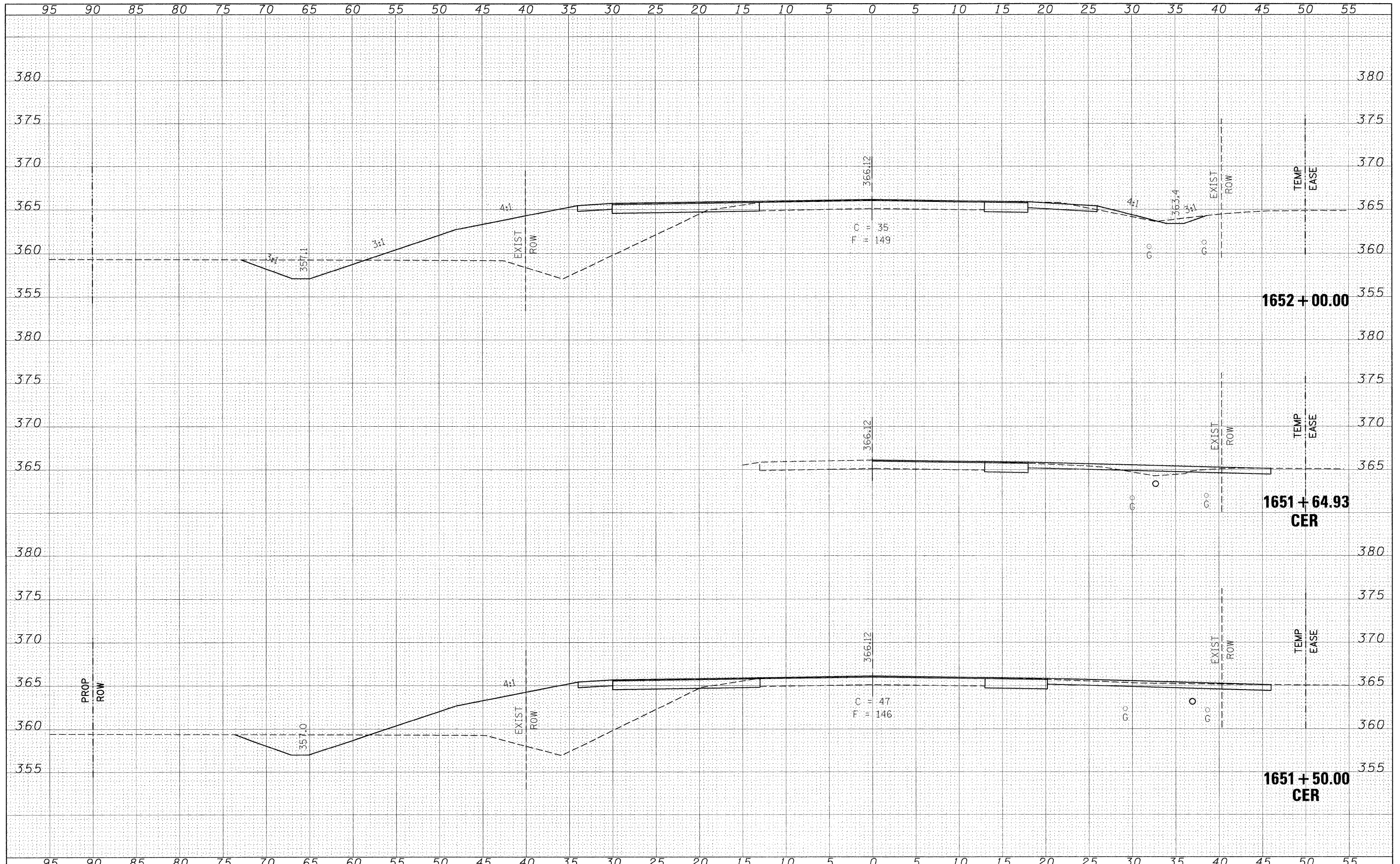
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#FILE#		DRAWN -	REVISED -		SCALE: 5	SHEET NO.	OF	SHEETS	869	105(TS-2,N-1,RS-3,RS-2)	SALINE	82	68
		CHECKED -	REVISED -		STA. 1650+50.00 TO STA. 1651+00.00								
		DATE - #DATE#	REVISED -		ILLINOIS FED. AID PROJECT								
CONTRACT NO. 78065													

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

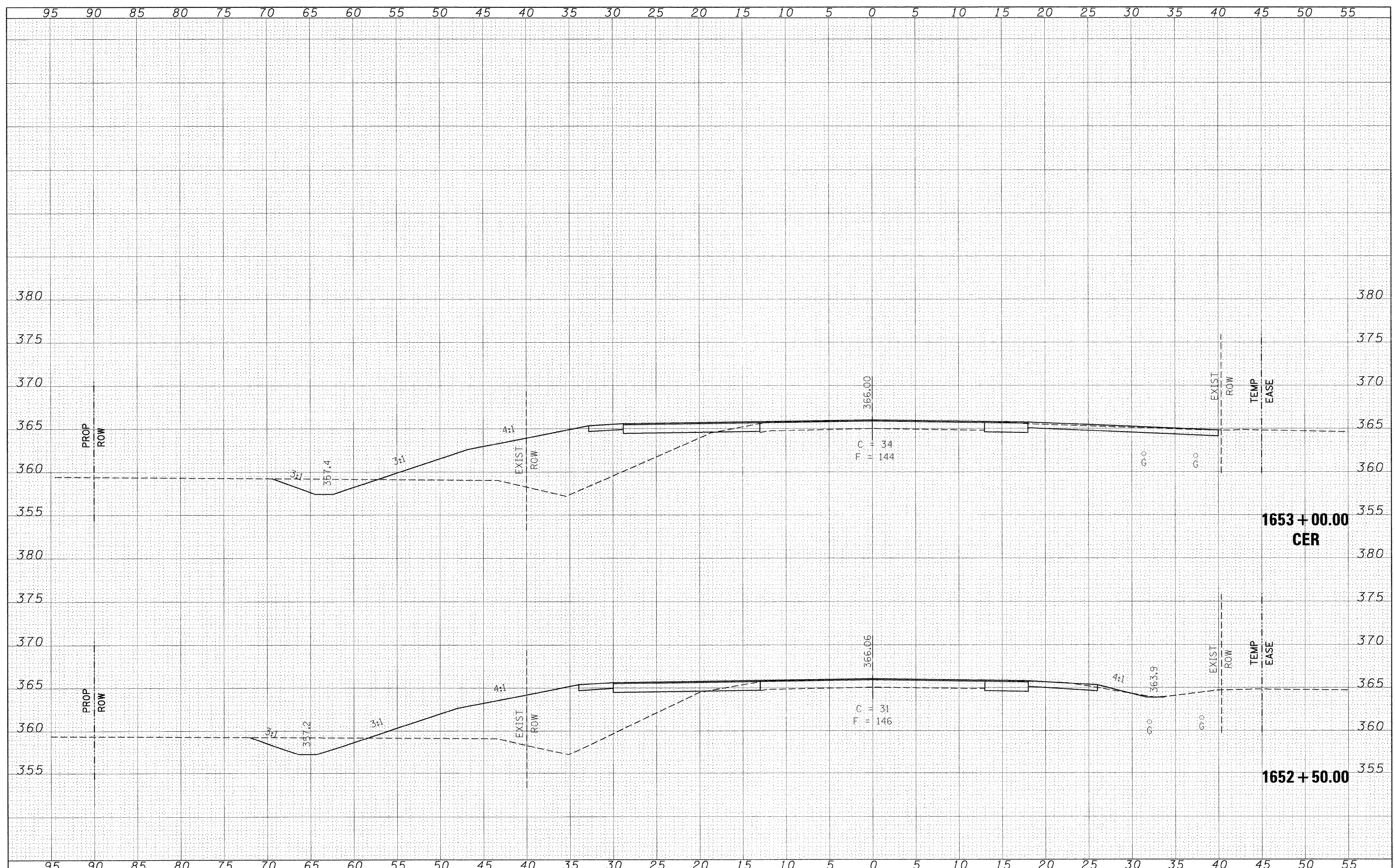
**CROSS SECTION - IL 34**

SCALE: 5 SHEET NO. OF SHEETS STA. 1651+50.00 TO STA. 1652+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
869	105(TS-2,N-1,RS-3,RS-2)	SALINE	82	69
CONTRACT NO. 78065				
ILLINOIS FED. AID PROJECT				

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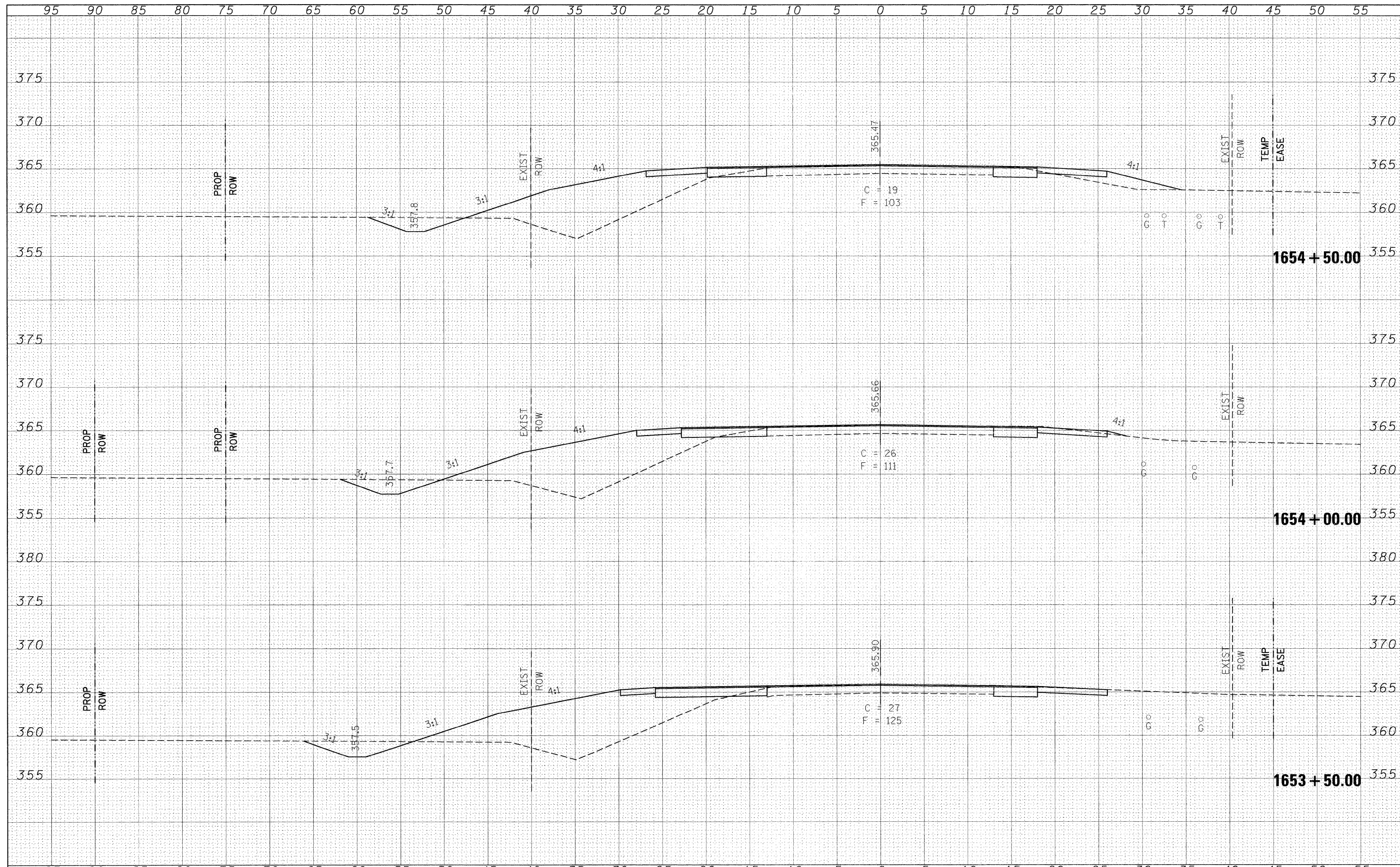
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#FILE#		DRAWN -	REVISED -		SCALE: 5	SHEET NO.	OF SHEETS	STA. 1652+50.00 TO STA. 1653+00.00	CONTRACT NO. 78065			
		CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									

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

**CROSS SECTION - IL 34**  
 SCALE: 5 SHEET NO. OF SHEETS STA. 1653+50.00 TO STA. 1654+50.00

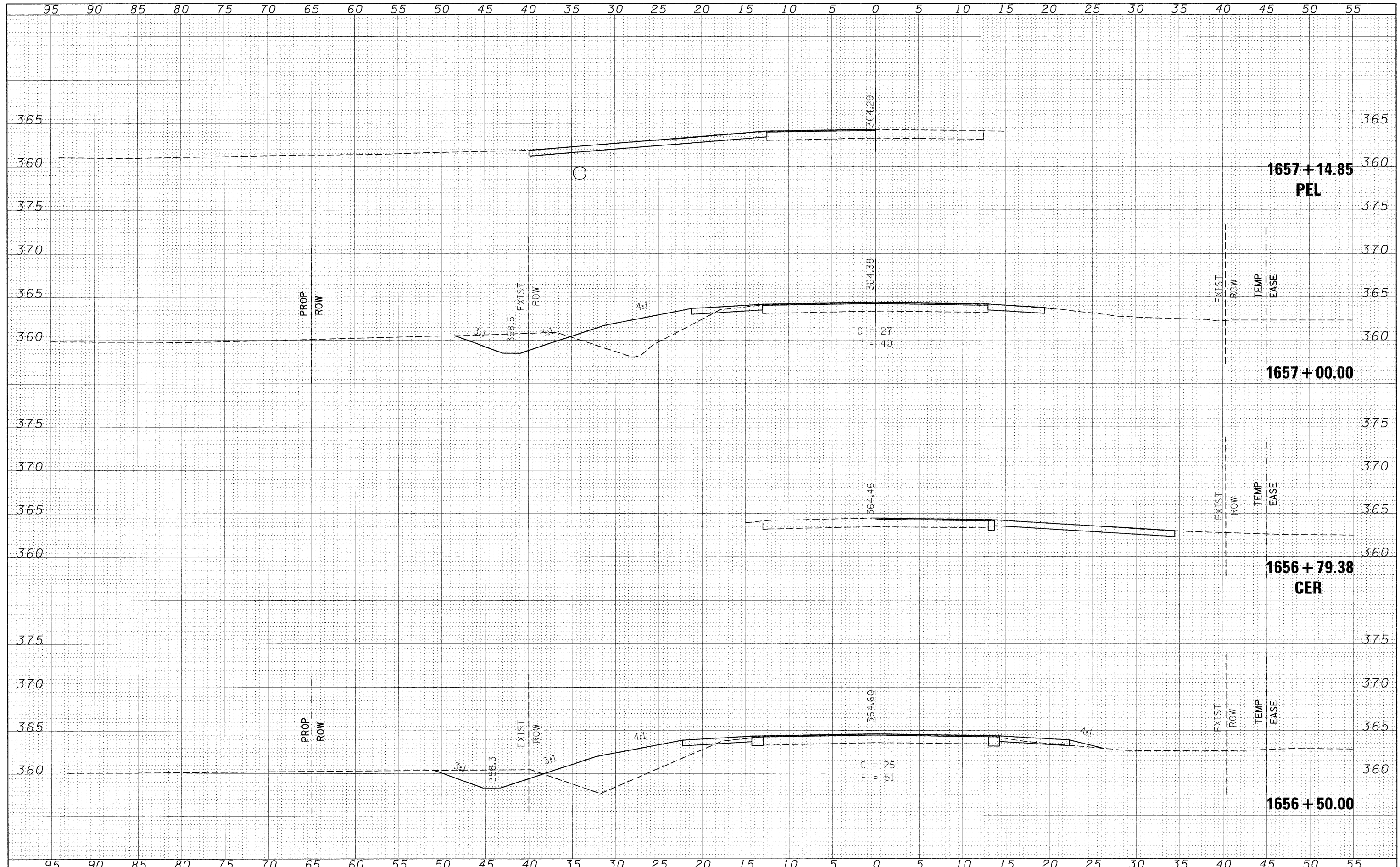
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
869	105(TS-2,N-1,RS-3,RS-2)	SALINE	82	71
CONTRACT NO. 78065			ILLINOIS FED. AID PROJECT	





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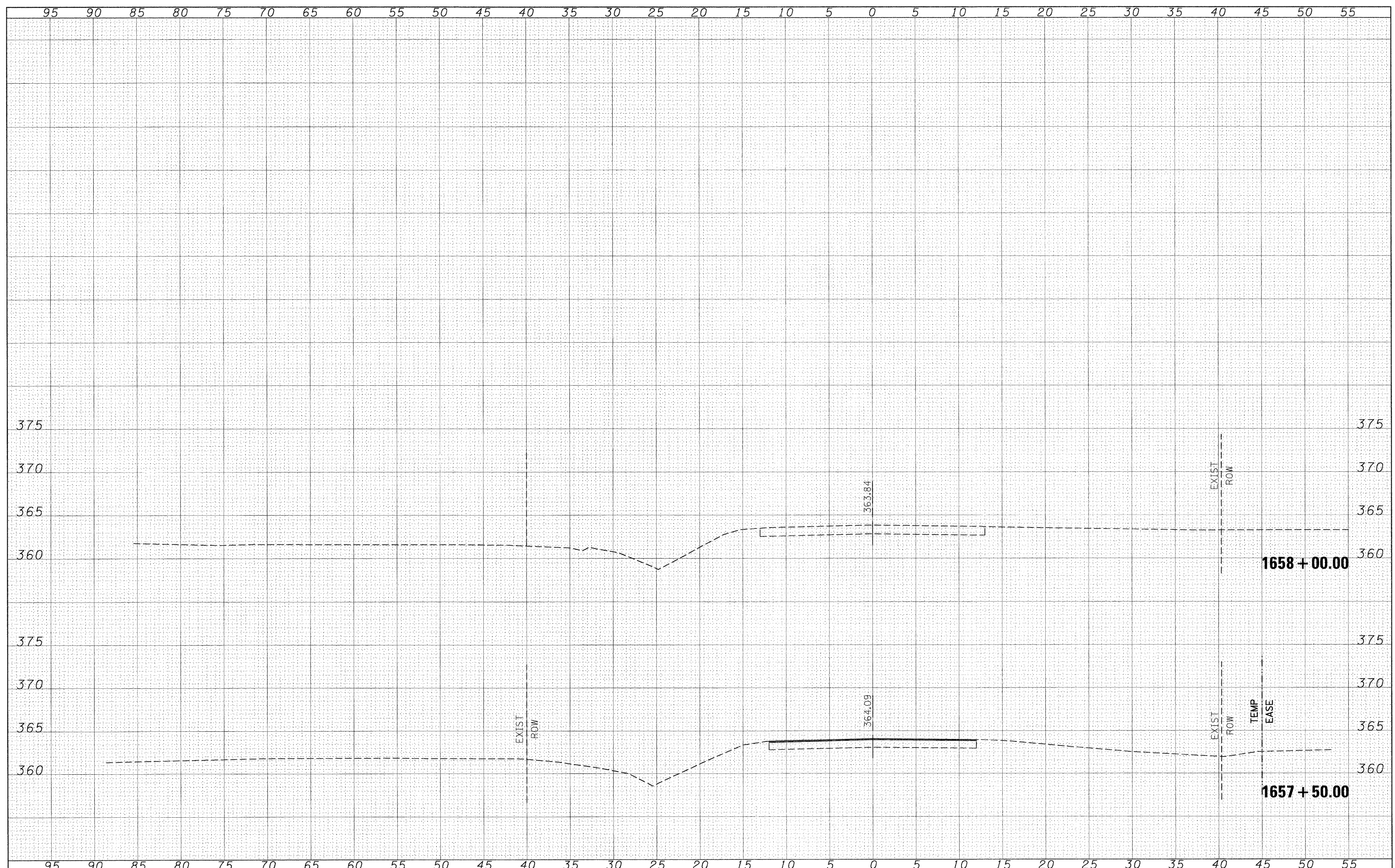
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FILE NAME =	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>CROSS SECTION - IL 34</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#FILE#		DRAWN -	REVISED -		SCALE: 5	SHEET NO. OF SHEETS	STA. 1656+50.00 TO STA. 1657+14.85	869	105(TS-2,N-1,RS-3,RS-2)	SALINE	82	73
		CHECKED -	REVISED -		CONTRACT NO. 78065							
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

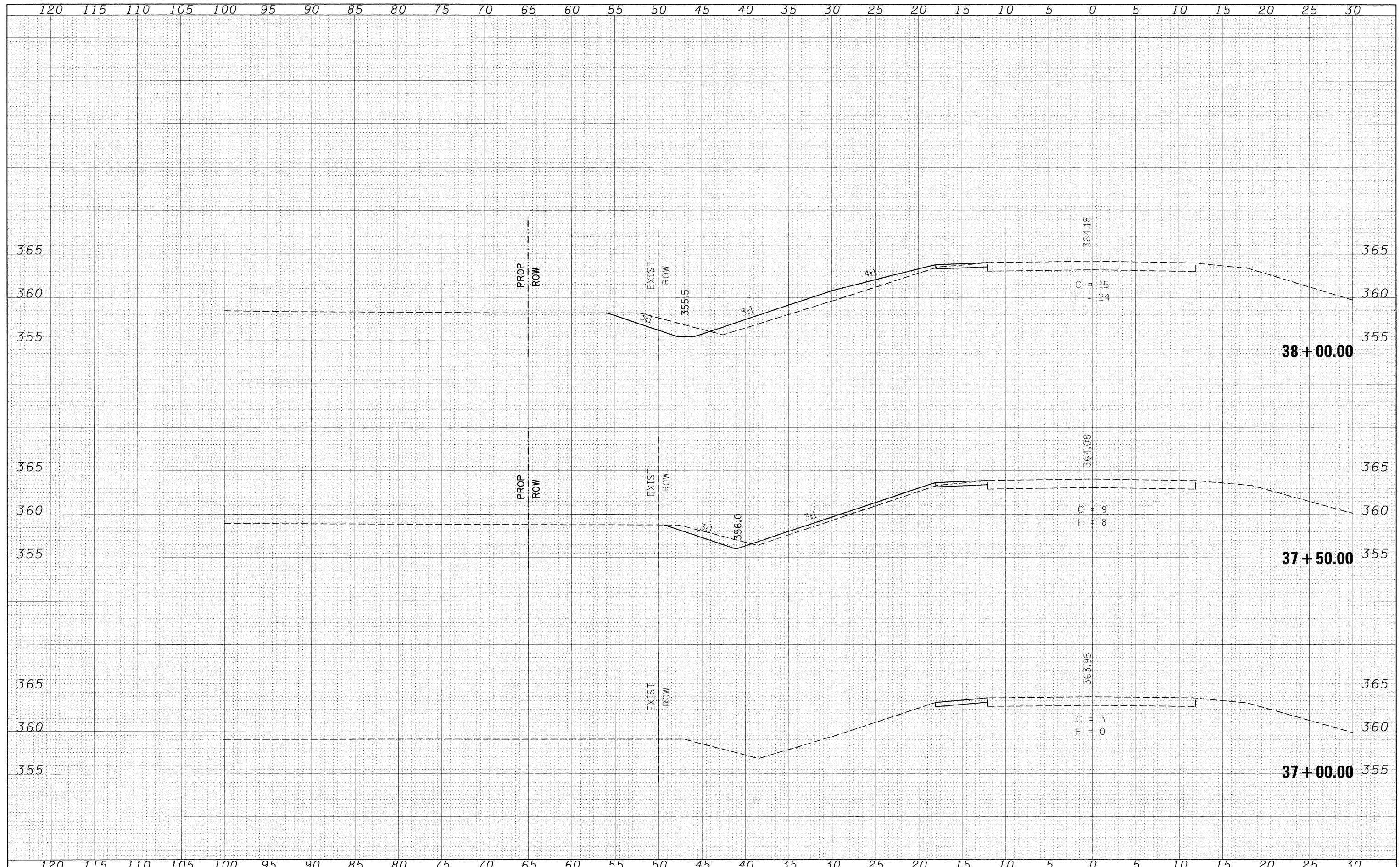
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

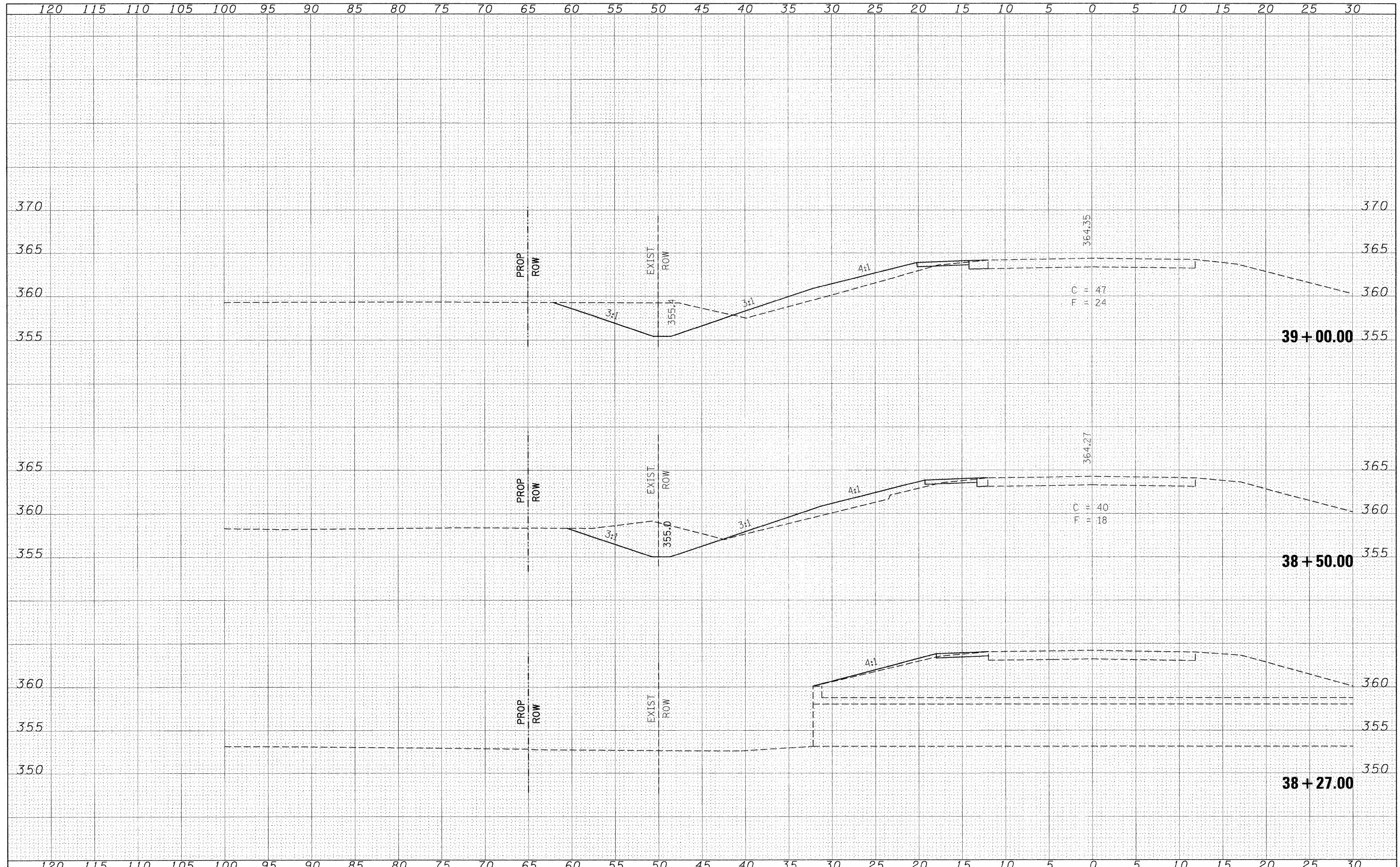
**CROSS SECTION - SMALL ST.**

SCALE: 5 SHEET NO. OF SHEETS STA. 37+00.00 TO STA. 38+00.00

F.A.P. RTE. 869	SECTION 105(TS-2,N-1,RS-3,RS-2)	COUNTY SALINE	TOTAL SHEETS 82	SHEET NO. 75
CONTRACT NO. 78065				ILLINOIS FED. AID PROJECT

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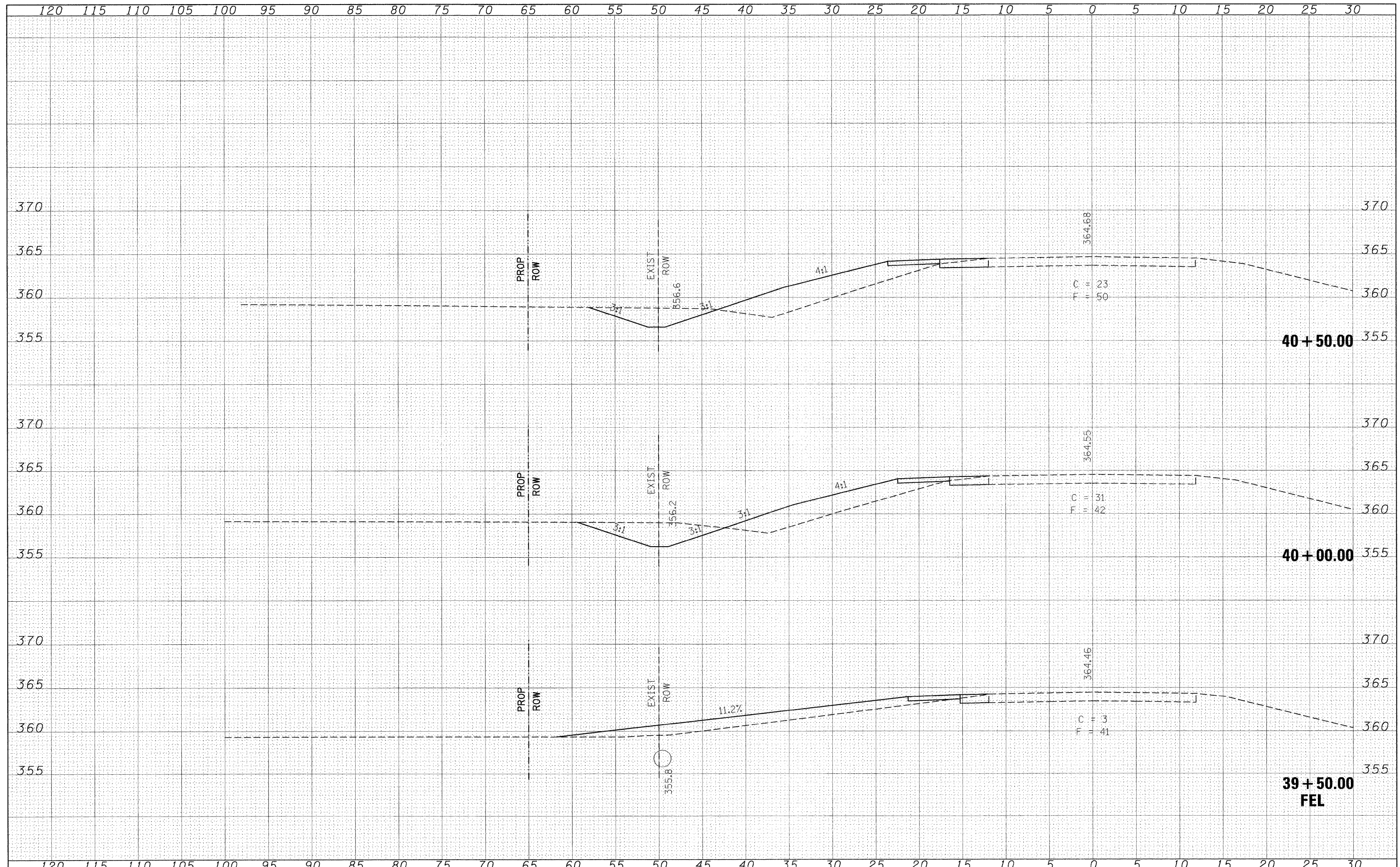
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#FILE#		DRAWN -	REVISED -		SCALE: 5	SHEET NO.	OF	SHEETS	STA. 38+27.00	TO STA. 39+00.00	CONTRACT NO. 78065	
		CHECKED -	REVISED -								ILLINOIS FED. AID PROJECT	
		PLOT DATE = #DATE#	DATE -									

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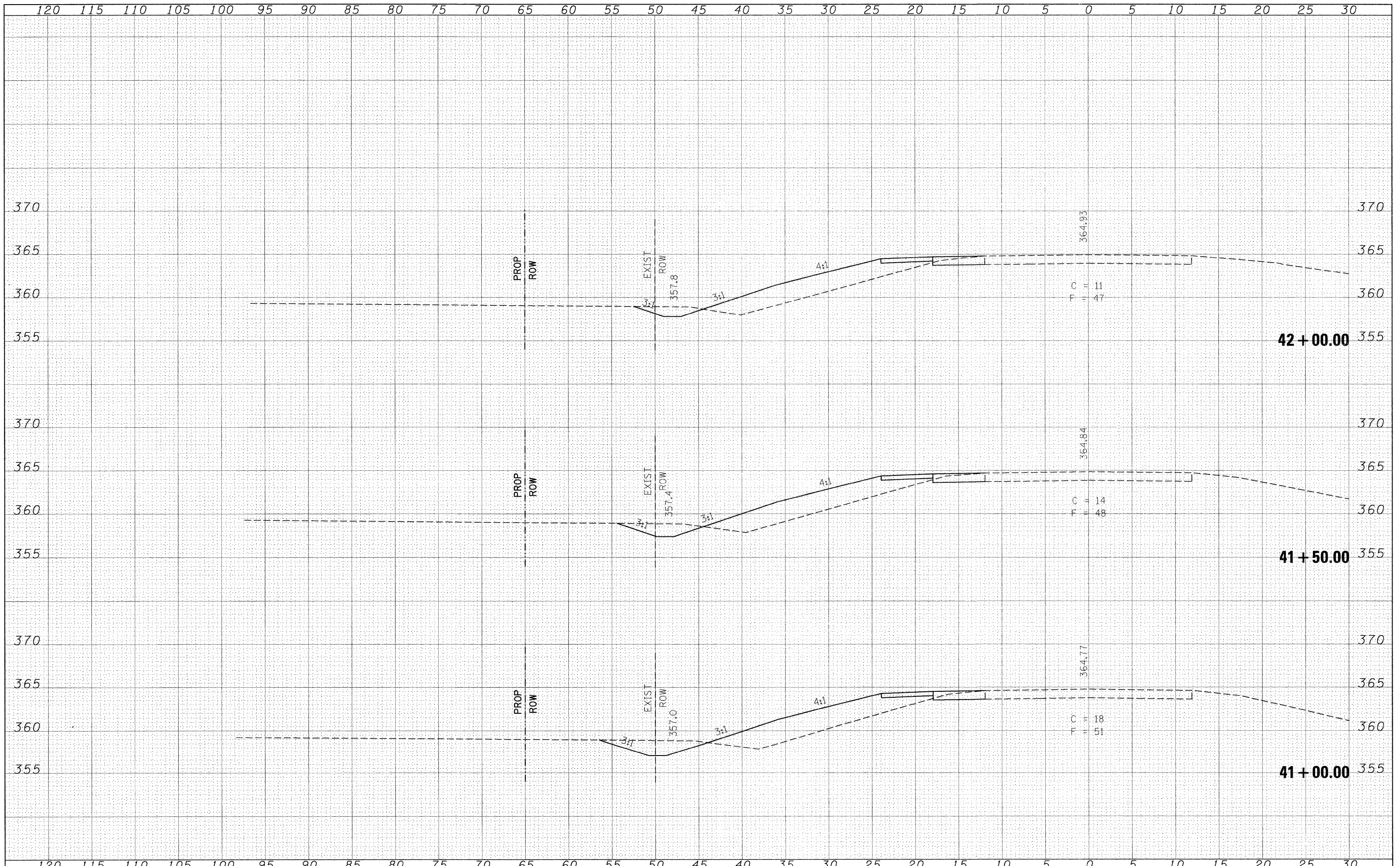
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#FILE#		DRAWN -	REVISED -		SCALE: 5	SHEET NO.	OF	SHEETS	STA. 39+50.00	TO STA. 40+50.00	869	105(TS-2,N-1,RS-3,RS-2)	SALINE	82	77
		CHECKED -	REVISED -												
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												CONTRACT NO. 78065		ILLINOIS FED. AID PROJECT	

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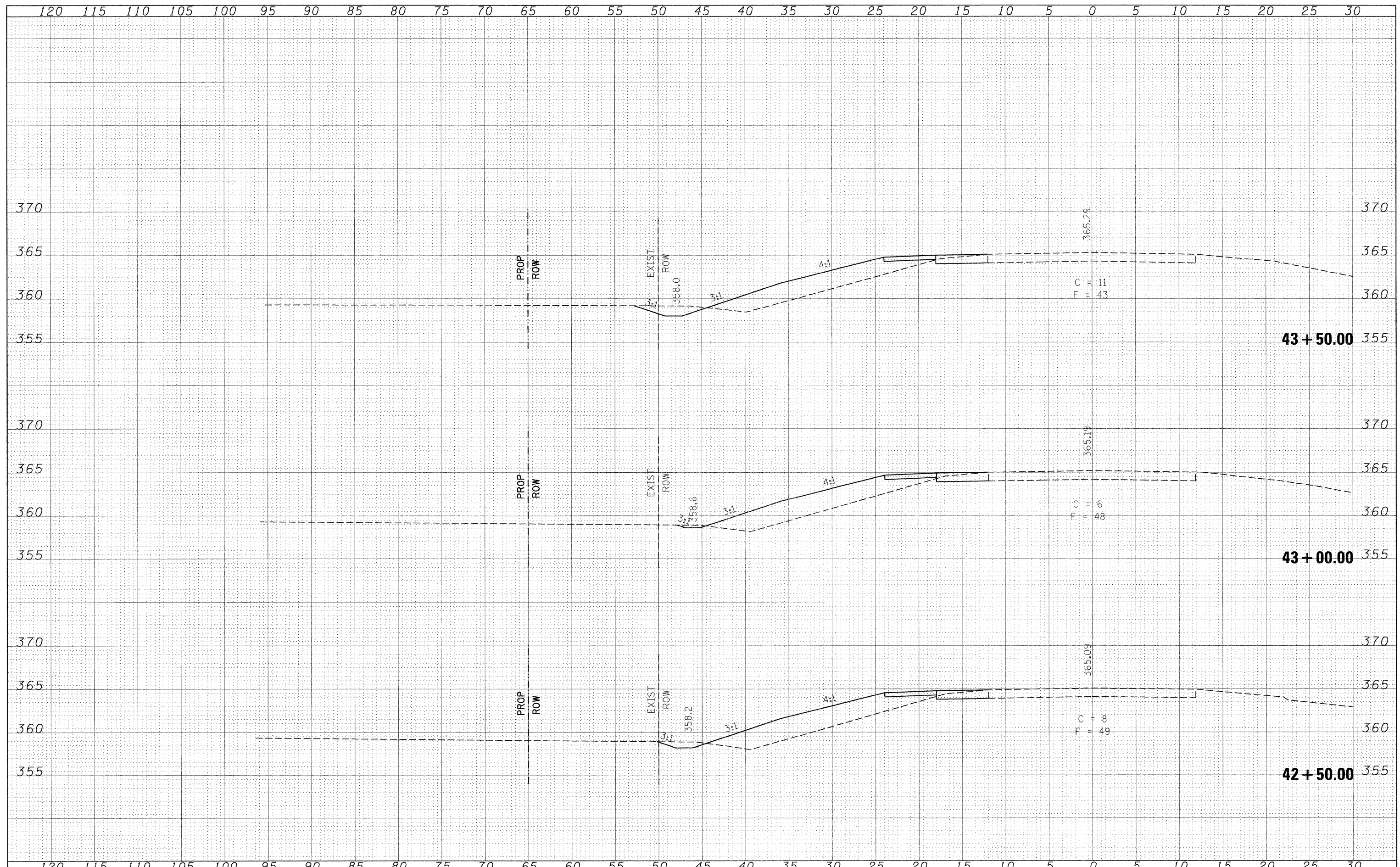
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#FILE#		DRAWN -	REVISED -		869	105(TS-2,N-1,RS-3,RS-2)	SALINE	82	78			
		CHECKED -	REVISED -		CONTRACT NO. 78065							
		PLOT DATE = *DATE*	REVISED -		SCALE: 5	SHEET NO. OF SHEETS	STA. 41+00.00 TO STA. 42+00.00	ILLINOIS FED. AID PROJECT				

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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

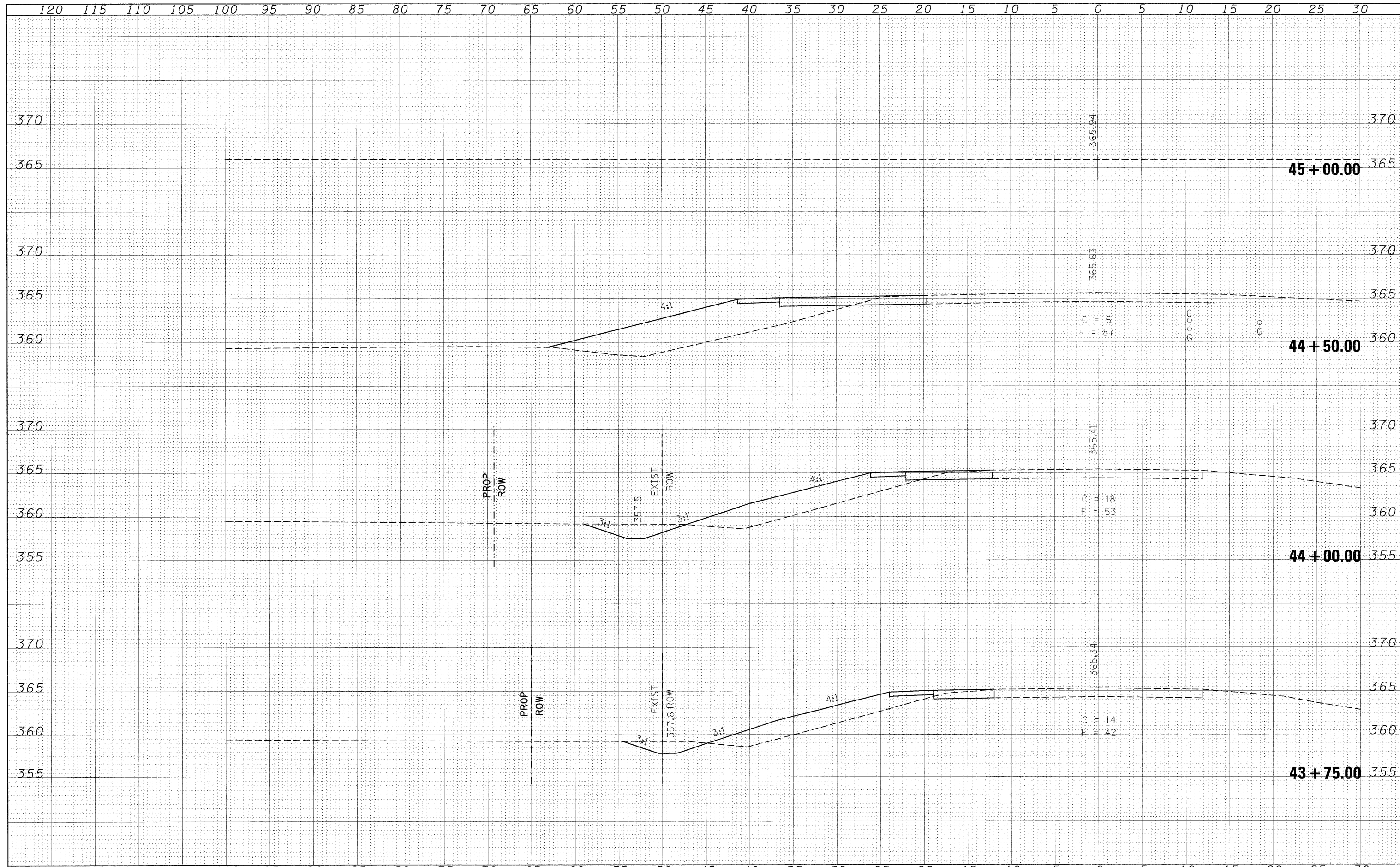
**CROSS SECTION - SMALL ST.**

SCALE: 5 SHEET NO. OF SHEETS STA. 42+50.00 TO STA. 43+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
869	105(TS-2,N-1,RS-3,RS-2)	SALINE	82	79
				CONTRACT NO. 78065
ILLINOIS FED. AID PROJECT				

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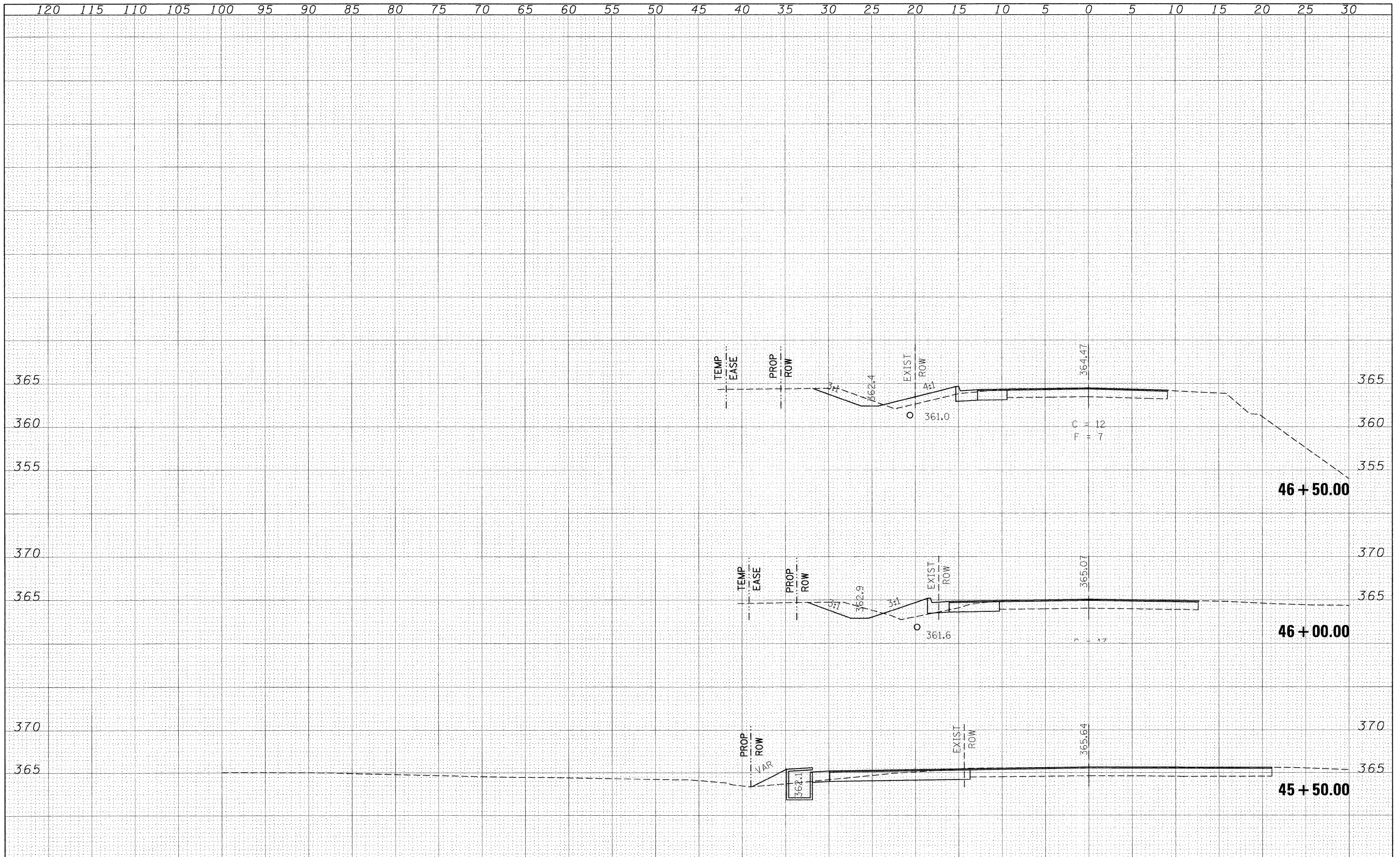


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#FILE#		DRAWN -	REVISED -		SCALE: 5	SHEET NO. OF	SHEETS	STA. 43+75.00 TO STA. 45+00.00	869	105(TS-2,N-1,RS-3,RS-2)	SALINE	82	80
		CHECKED -	REVISED -		CONTRACT NO. 78065								
		PLOT DATE = #DATE#	DATE -		ILLINOIS FED. AID PROJECT								

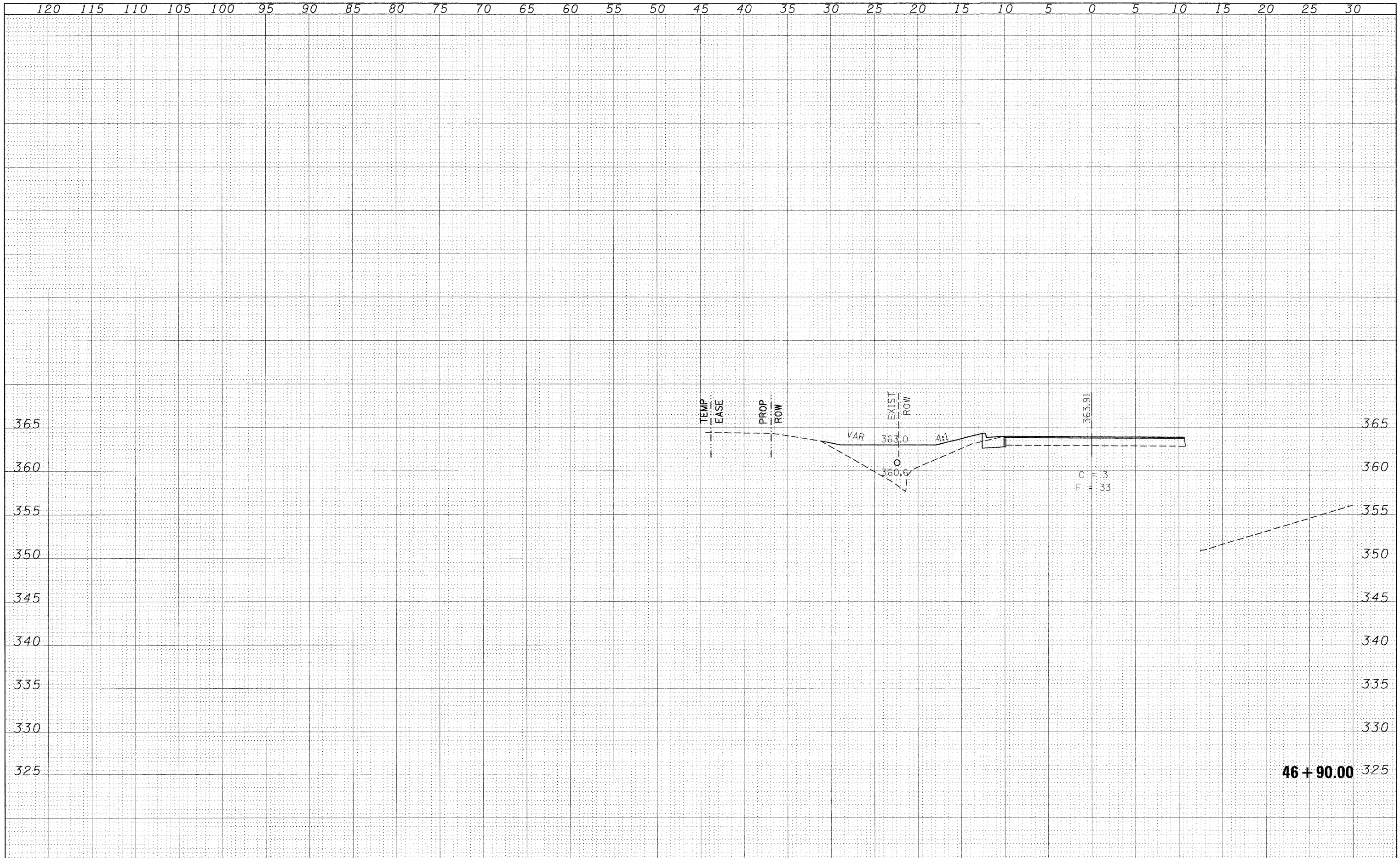


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#FILE#		DRAWN -	REVISED -		SCALE: 5	SHEET NO.	OF	SHEETS	STA. 45+50.00	TO STA. 46+50.00	CONTRACT NO. 78065	
		CHECKED -	REVISED -								ILLINOIS FED. AID PROJECT	
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PLOT DATE = #DATE#		DATE -	REVISED -						ILLINOIS FED. AID PROJECT				