

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	(2-2,3-2,51-23)RS-1	LAWRENCE	40	1
		ILLINOIS	CONTRACT NO. 94978	

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS**

**PROPOSED  
HIGHWAY PLANS**

**F.A.P. ROUTE 327 (U.S. ROUTE 50)  
SECTION (2-2,3-2,51-23)RS-1  
PROJECT NHF-M-000S(837)  
RESURFACING  
LAWRENCE COUNTY  
C-97-026-03**

FOR INDEX OF SHEETS, SEE SHEET NO. 2

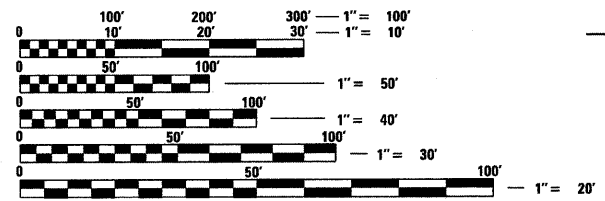
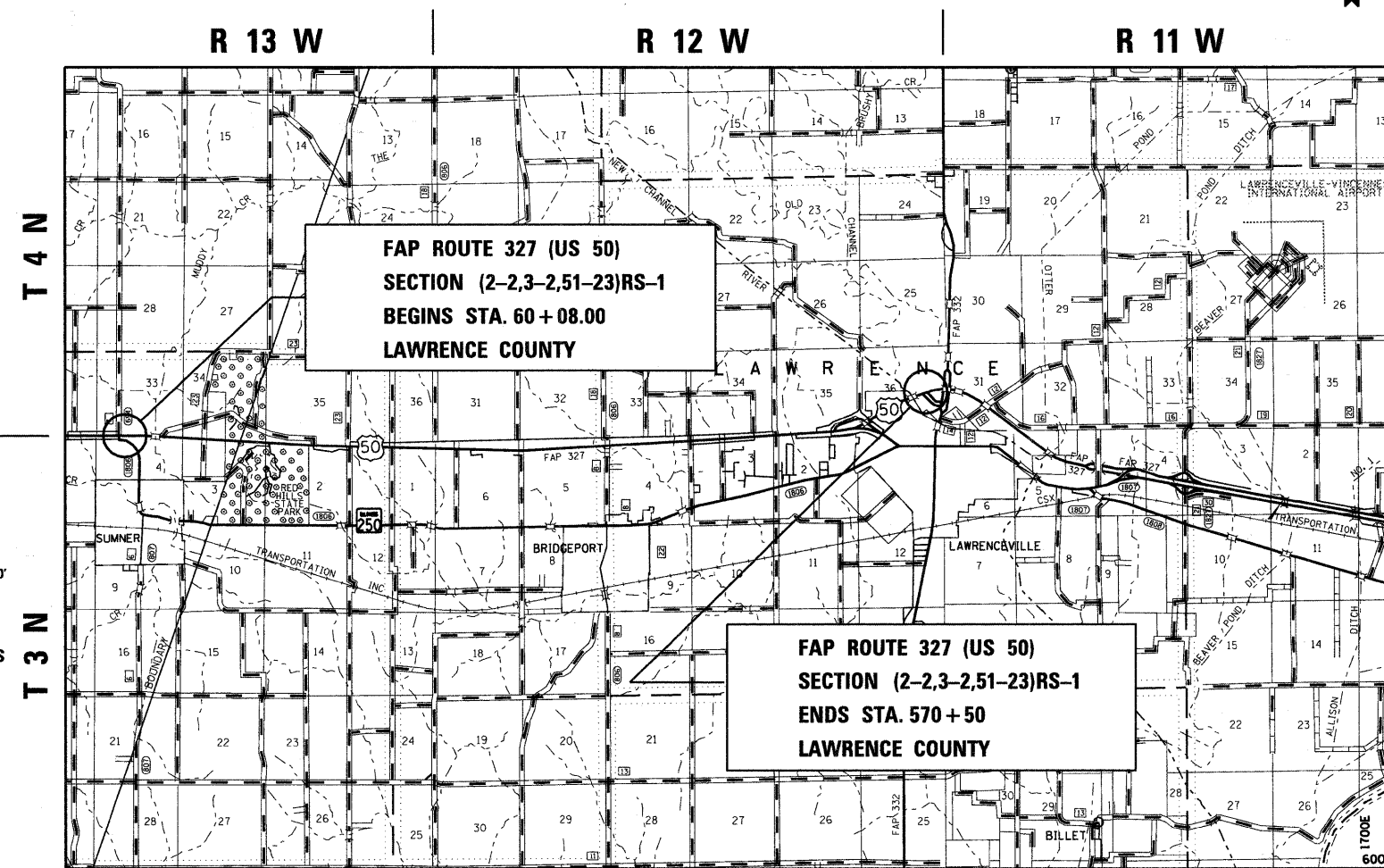
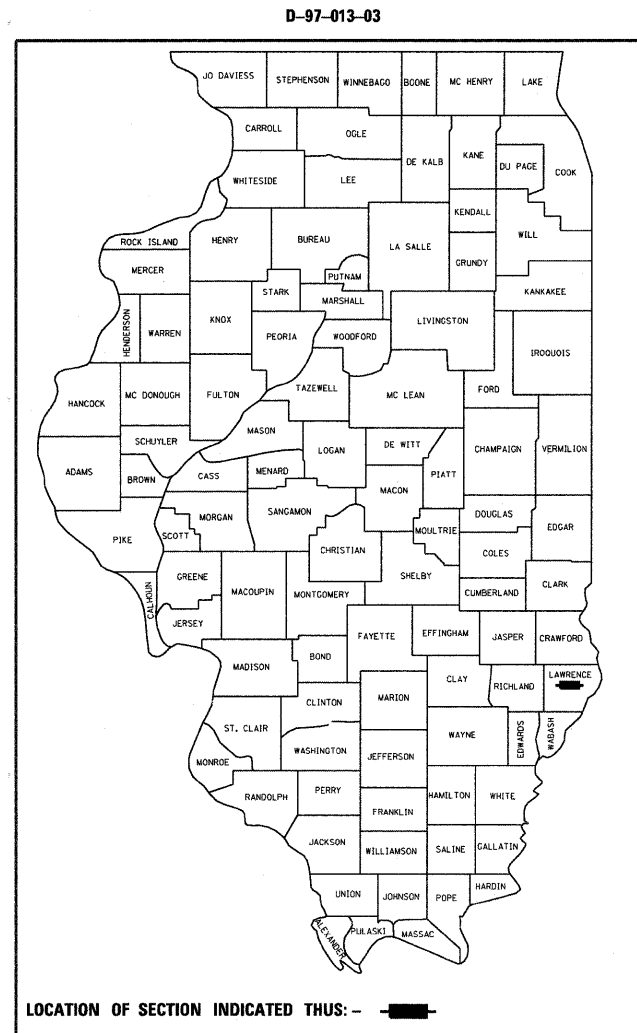
**STATION EQUATIONS:**

STA. 192+90.50 (BK) = STA. 192+83.00 (AH)  
STA. 494+49.74 (BK) = STA. 1494+49.74 (AH)  
STA. 1538+68.25 (BK) = STA. 537+95.53 (AH)

**PAVING OMISSIONS:**

STA. 71+05.50 TO STA. 72+44.50  
STA. 1519+55.00 TO STA. 1521+74.00  
STA. 546+90.00 TO STA. 566+60.00

ADT = 6700 (2009)



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: TOM RONAN  
PROJECT MANAGER: JENNIFER WENTHE  
PHONE: 217-342-8361  
CONTRACT NO. 94978**

GROSS LENGTH = 51,122.22 FT. = 9.68 MILE  
NET LENGTH = 48,794.22 FT. = 9.24 MILE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED Dec. 9 2010  
Ron J. Danzell  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

February 4 2011  
Scott E. Sitt, P.E.  
acting ENGINEER OF DESIGN AND ENVIRONMENT

February 4 2011  
Christine M. Reed  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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## GENERAL NOTES

THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS; THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2007; AND THE SPECIAL PROVISIONS INCLUDED IN THE PROPOSAL.

THIS PROJECT IS LOCATED ON FAP ROUTE 327 (US ROUTE 50) IN LAWRENCE COUNTY, FROM SUMNER ROAD TO THE ILLINOIS ROUTE 1 INTERCHANGE. THE WORK INCLUDED IN SECTION (2-2,3-2,51-23)RS-1 CONSISTS OF PAVEMENT PATCHING, MILLING, HOT-MIX ASPHALT RESURFACING, AGGREGATE SHOULDERS, PAVEMENT MARKING, AND ANY OTHER WORK NECESSARY TO COMPLETE THE SECTION.

PAVEMENT MARKING SHALL BE APPLIED IN ACCORDANCE WITH SECTION 780 OF THE STANDARD SPECIFICATIONS. SHORT TERM PAVEMENT MARKING SHALL BE APPLIED TO THE MILLED SURFACE, BITUMINOUS MATERIALS (PRIME COAT), HOT-MIX ASPHALT LEVELING BINDER, HOT-MIX ASPHALT BINDER, AND HOT-MIX ASPHALT SURFACE COURSE AS SPECIFIED IN SECTION 703 OF THE STANDARD SPECIFICATIONS. TEMPORARY TAPE SHALL BE USED ON THE SURFACE COURSE AND PAINT SHALL BE USED ON MILLED SURFACES.

THE TOTAL QUANTITY OF PAINT PAVEMENT MARKING-LINE 4" CONSISTS OF 24,920 FEET OF YELLOW AND 105,607 FEET OF WHITE.

THE TOTAL QUANTITY OF PAINT PAVEMENT MARKING-LINE 8" CONSISTS OF 591 FEET OF WHITE.

THE TOTAL QUANTITY OF THERMOPLASTIC PAVEMENT MARKING-LINE 4" CONSISTS OF 9,980 FEET OF YELLOW.

THE TOTAL QUANTITY OF THERMOPLASTIC PAVEMENT MARKING-LINE 6" CONSISTS OF 765 FEET OF WHITE.

THE TOTAL QUANTITY OF THERMOPLASTIC PAVEMENT MARKING-LINE 12" CONSISTS OF 805 FEET OF YELLOW.

THE TOTAL QUANTITY OF THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS CONSIST OF 125 SQ FT OF WHITE.

THE TOTAL QUANTITY OF RAISED REFLECTIVE PAVEMENT MARKERS IS 120 ONE-WAY AMBER, 659 TWO-WAY AMBER AND 20 ONE-WAY CRYSTAL.

THE MATERIAL USED FOR AGGREGATE SHOULDERS, TYPE B SHALL BE CRUSHED STONE, CRUSHED CONCRETE, OR RAP. THE MATERIAL USED FOR AGGREGATE SURFACE COURSE, TYPE B SHALL BE CRUSHED STONE OR CRUSHED CONCRETE.

THE EXISTING PAVEMENT SHALL BE PATCHED IN ACCORDANCE WITH SECTION 442 OF THE STANDARD SPECIFICATIONS AND THE SPECIAL PROVISIONS. THE QUANTITY OF PATCHING SHOWN ON THE PLANS IS AN ESTIMATE. THE FINAL LOCATIONS AND QUANTITY SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

THE PAY ITEM TEMPORARY RAMP HAS BEEN INCLUDED FOR THE CONSTRUCTION OF TEMPORARY RAMPS IN ACCORDANCE WITH ARTICLE 406.08 OF THE STANDARD SPECIFICATIONS. THE COST PER SQUARE YARD SHALL INCLUDE BOTH THE INSTALLATION AND THE REMOVAL OF THE TEMPORARY RAMPS.

THE RESIDENT ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE CURING TIME FOR THE VARIOUS HOT-MIX ASPHALT LIFTS.

THE CONTRACTOR SHALL PROVIDE INTERNET ACCESSIBILITY TO THE HOT-MIX ASPHALT PLANT QUALITY CONTROL LAB SO THAT HOT-MIX ASPHALT PLANT REPORTS CAN BE E-MAILED TO THE DISTRICT HEADQUARTERS. THIS WORK SHALL BE INCLUDED IN THE COST OF ALL HOT-MIX ASPHALT ITEMS.

THE CONTRACTOR SHALL USE EITHER RC-70, SS1H, OR SS-1HP APPLIED AT THE RATE DIRECTED BY THE ENGINEER, FOR THE PAY ITEM BITUMINOUS MATERIALS (PRIME COAT).

A UNIFORMLY STRAIGHT SAW CUT SHALL BE MADE AT LOCATIONS WHERE PROPOSED NEW CONSTRUCTION WILL ABUT EXISTING HOT-MIX ASPHALT SURFACES. THE SAW CUT SHALL BE MADE FULL DEPTH THROUGH THE EXISTING SURFACE. THIS WORK WILL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT ITEMS INVOLVED AND NO EXTRA COMPENSATION WILL BE ALLOWED.

THE PAY ITEM HOT-MIX ASPHALT SURFACE REMOVAL 2 1/4" ASSUMES USING TWO PASSES TO ALLEVIATE THE 2" LANE DIFFERENTIAL.

## GENERAL NOTES (Cont'd)

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE:	SURFACE COURSE	LEVELING BINDER
PG GRADE:	SBS PG 70-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ Ndesign = 90	4.0% @ Ndesign = 90
MIXTURE COMPOSITION:	IL-9.5	IL-9.5
FRICTION AGGREGATE:	Mixture D	N/A

MIXTURE USE:	BINDER COURSE
PG GRADE:	PG 64-22
DESIGN AIR VOIDS:	4.0% @ Ndesign = 90
MIXTURE COMPOSITION:	IL-19.0
FRICTION AGGREGATE:	N/A

MIXTURE USE:	CLASS D PATCHING	INCIDENTAL HMA SURFACING
PG GRADE:	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ Ndesign = 70	4.0% @ Ndesign = 70
MIXTURE COMPOSITION:	IL-19.0	IL-9.5
FRICTION AGGREGATE:	N/A	Mixture C

THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN THE CALCULATING PLAN QUANTITIES:

AGGREGATE SHOULDERS	2.05 TONS/CU YD
BITUMINOUS MATERIALS (PRIME COAT)	0.10 GAL/SQ YD
AGGREGATE (PRIME COAT)	4 LBS/SQ YD
HOT-MIX ASPHALT	112 LBS/SQ YD/INCH

## INDEX OF SHEETS

SHEET NO.	ITEM
1	COVER SHEET
2	INDEX OF SHEETS AND GENERAL NOTES
3	SUMMARY OF QUANTITIES
4-8	TYPICAL SECTIONS
9	DETAILS
10-13	SCHEDULE OF QUANTITIES
14	ENTRANCE SCHEDULE
15	TIE POINTS
16-34	PLAN SHEETS
35-38	PAVEMENT MARKING DETAIL
39-40	CRASHWALL EXTENSION DETAILS

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED AFTER SHEET NO. 40:

STD. NO.	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
406201-01	MAILBOX TURNOUT
420001-07	PAVEMENT JOINTS
442201-03	CLASS C AND D PATCHES
482011-03	HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
630001-09	STEEL PLATE BEAM GUARDRAIL
630301-05	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631033-04	TRAFFIC BARRIER TERMINAL, TYPE 6B
635006-03	REFLECTOR AND TERMINAL MARKER PLACEMENT
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-03	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-02	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-03	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS >= 45 MPH
701311-03	LANE CLOSURE 2L, 2W, MOVING OPERATIONS - DAY ONLY
701336-06	LANE CLOSURE, 2L, 2W, WORK AREAS IN SERIES, FOR SPEEDS >= 45 MPH
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

FILE NAME = #FILEL#	USER NAME = #USER#	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES AND INDEX OF SHEETS</b>	F.A.P. RTE. 327	SECTION (2-2,3-2,51-23)RS-1	COUNTY LAWRENCE	TOTAL SHEETS 40	SHEET NO. 2	CONTRACT NO. 94978
		DRAWN -	REVISED -								
		CHECKED -	REVISED -								
		DATE -	REVISED -								
					SCALE: NA		SHEET NO. 1 OF 1 SHEETS		STA.		TO STA.
											ILLINOIS FED. AID PROJECT

80% FEDERAL  
20% STATE

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE	
CODE NO	ITEM	UNIT		NHF MAINLINE 0005	STP RAMPS 0005
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	30	30	
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	36887	32985	3902
40600300	AGGREGATE (PRIME COAT)	TON	369	330	39
40600645	LEVELING BINDER (MACHINE METHOD), N90	TON	7655	6842	813
40600895	CONSTRUCTING TEST STRIP	EACH	1	1	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1027	700	327
40600990	TEMPORARY RAMP	SQ YD	336	243	93
40603090	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	TON	391	391	
40603545	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	15492	13853	1639
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	207	207	
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	2038		2038
44201353	CLASS C PATCHES, TYPE II, 10 INCH	SQ YD	6		6
44201357	CLASS C PATCHES, TYPE III, 10 INCH	SQ YD	20		20
44201815	CLASS D PATCHES, TYPE II, 14 INCH	SQ YD	4302	4302	
44201819	CLASS D PATCHES, TYPE III, 14 INCH	SQ YD	897	897	
44201821	CLASS D PATCHES, TYPE IV, 14 INCH	SQ YD	784	784	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	4437	4062	375
50300225	CONCRETE STRUCTURES	CU YD	14		14
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	1320		1320
*63000003	STEEL PLATE BEAM GUARD RAIL, TYPE A, 9 FOOT POSTS	FOOT	50		50
*63100089	TRAFFIC BARRIER TERMINAL, TYPE 6B	EACH	3		3
*63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	3		3
63200310	GUARDRAIL REMOVAL	FOOT	300		300
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	5	1
67100100	MOBILIZATION	L SUM	1	0.9	0.1

\* SPECIALTY ITEM

80% FEDERAL  
20% STATE

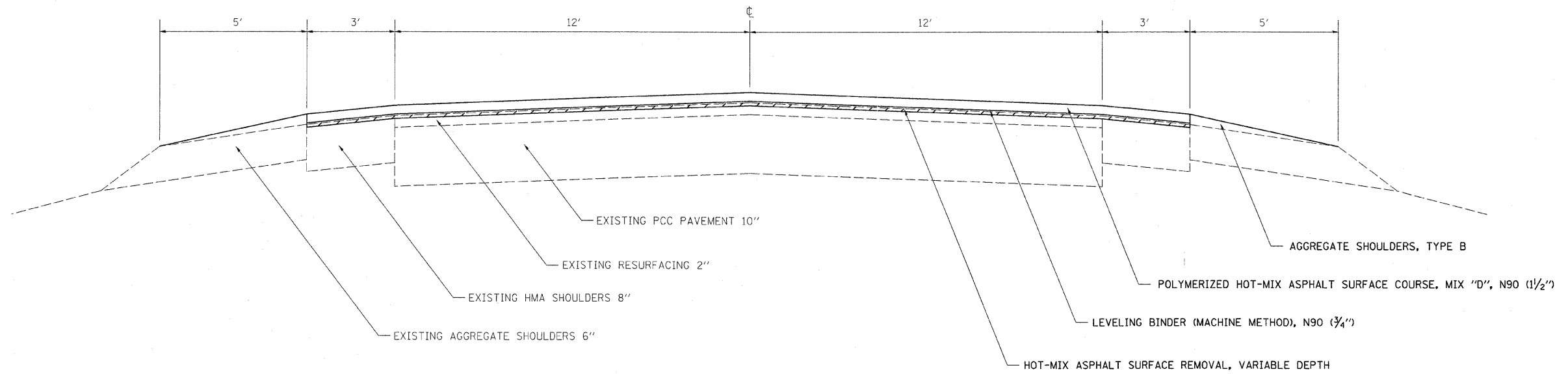
SUMMARY OF QUANTITIES (Cont'd)			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE	
CODE NO	ITEM	UNIT		NHF MAINLINE 0005	STP RAMPS 0005
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	0.9	0.1
70100600	TRAFFIC CONTROL AND PROTECTION, STANDARD 701336	L SUM	1	0.9	0.1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	22016	20560	1456
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	125	125	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	140507	120229	20278
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	765	765	
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	591	250	341
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	805	805	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1834	1713	121
*78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	125	125	
*78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	9980	9980	
*78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	765	765	
*78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	805	805	
*78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	130527	110249	20278
*78001140	PAINT PAVEMENT MARKING - LINE 8"	FOOT	591	250	341
*78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	799	753	46
*78200410	GUARDRAIL MARKERS, TYPE A	EACH	12		12
*78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	3		3
X4400196	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	SQ YD	1663	1663	
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	179701	162557	17144
X4422000	PARTIAL DEPTH REMOVAL (VARIABLE DEPTH)	SQ YD	5422	5422	
Z0004810	HOT-MIX ASPHALT FOR PATCHING	TON	911	911	
Z0076600	TRAINEES	HOOR	500	500	

\* SPECIALTY ITEM

0042

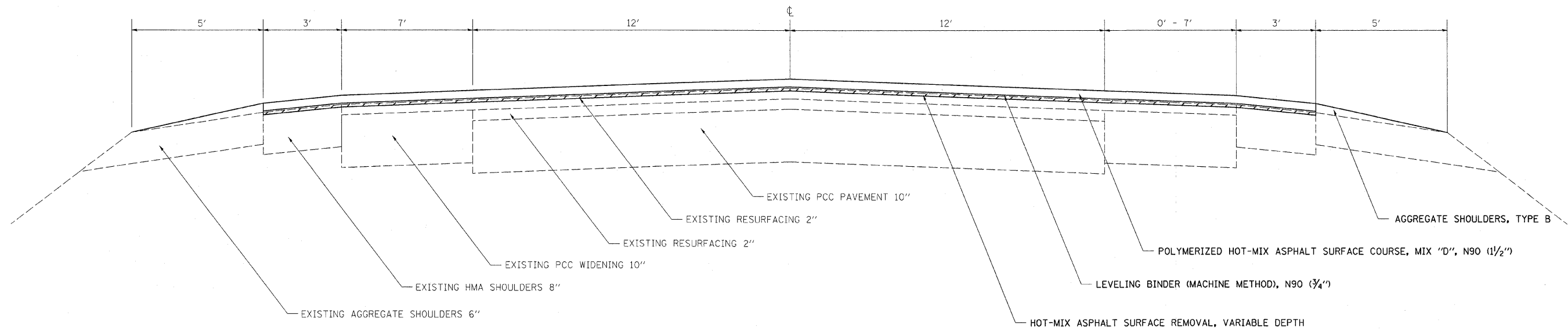
### TYPICAL CROSS SECTIONS

STA 60+08 TO STA 139+79  
 STA 152+10 TO STA 349+86  
 STA 366+02 TO STA 546+90



### TYPICAL CROSS SECTIONS

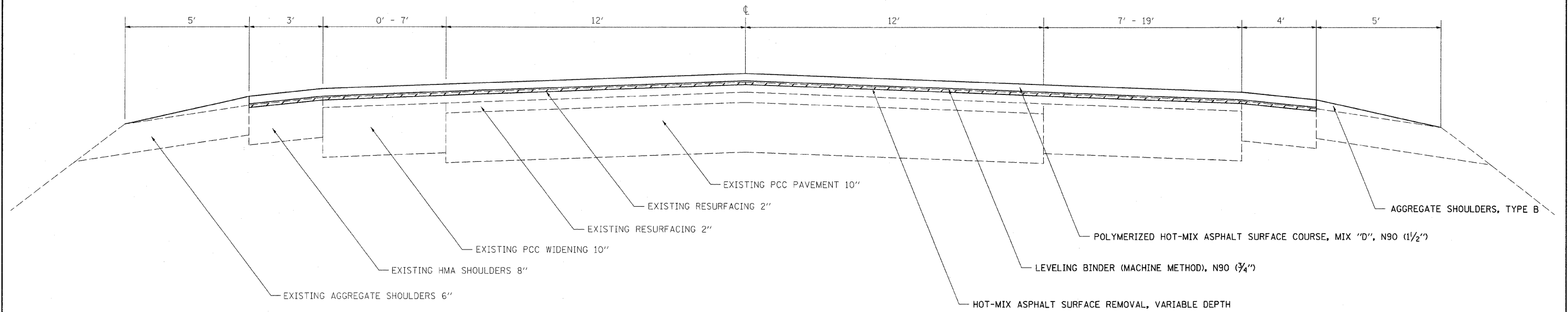
STA 139+79 TO STA 141+48  
 STA 144+83 TO STA 152+10



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	PLOT DATE = 12/9/2010	DATE -	REVISED -										
CONTRACT NO. 94978													
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT													

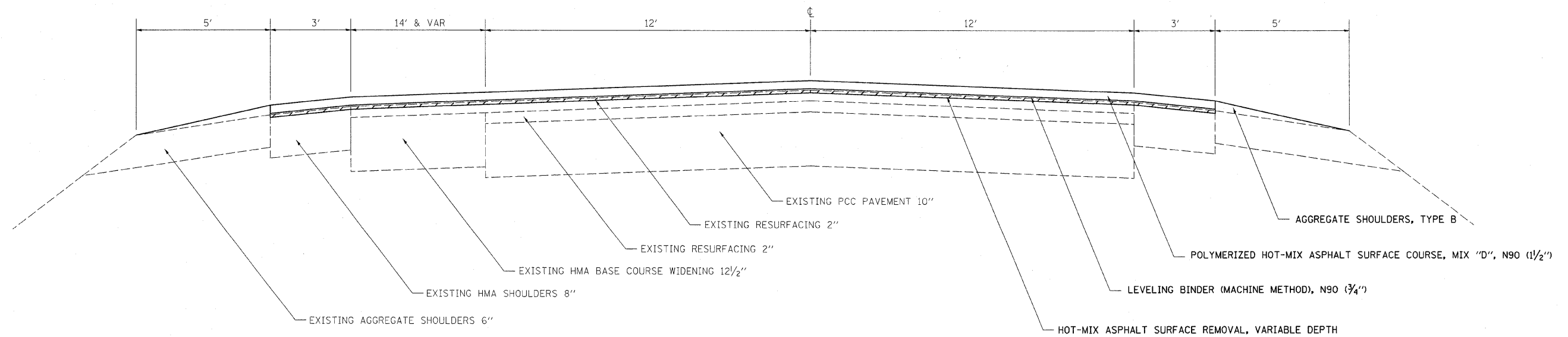
### TYPICAL CROSS SECTIONS

STA 141+48 TO STA 144+83



### TYPICAL CROSS SECTIONS

STA 349+86 TO STA 356+09  
STA 359+07 TO STA 366+02

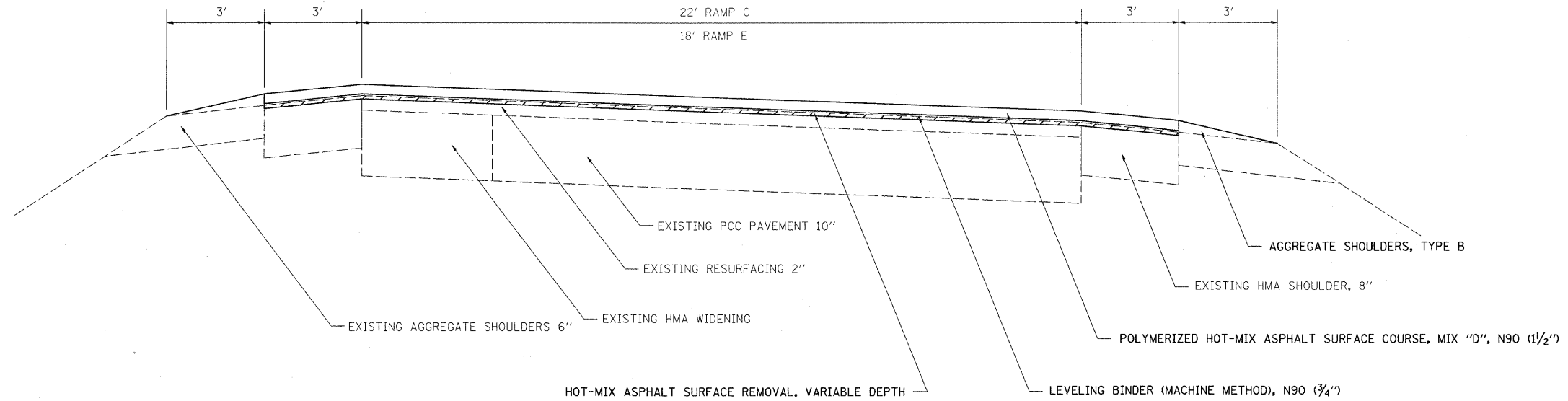


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					FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT					



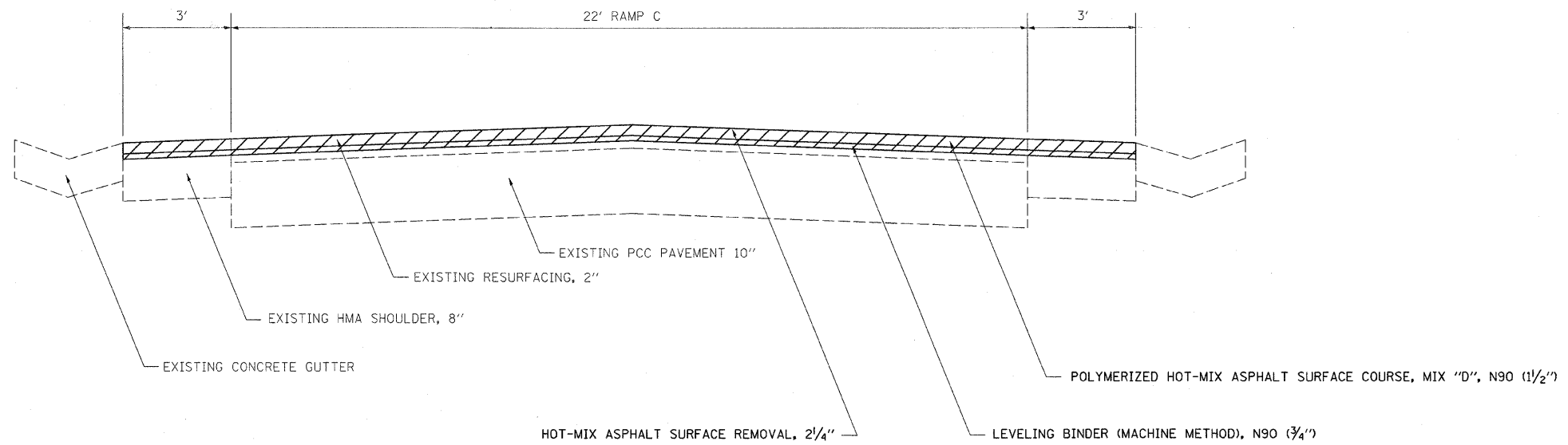
### TYPICAL CROSS SECTIONS

STA 0+13 TO STA 30+30 (RAMP C)  
STA 0+00 TO STA 13+00 (RAMP E)



### TYPICAL CROSS SECTIONS

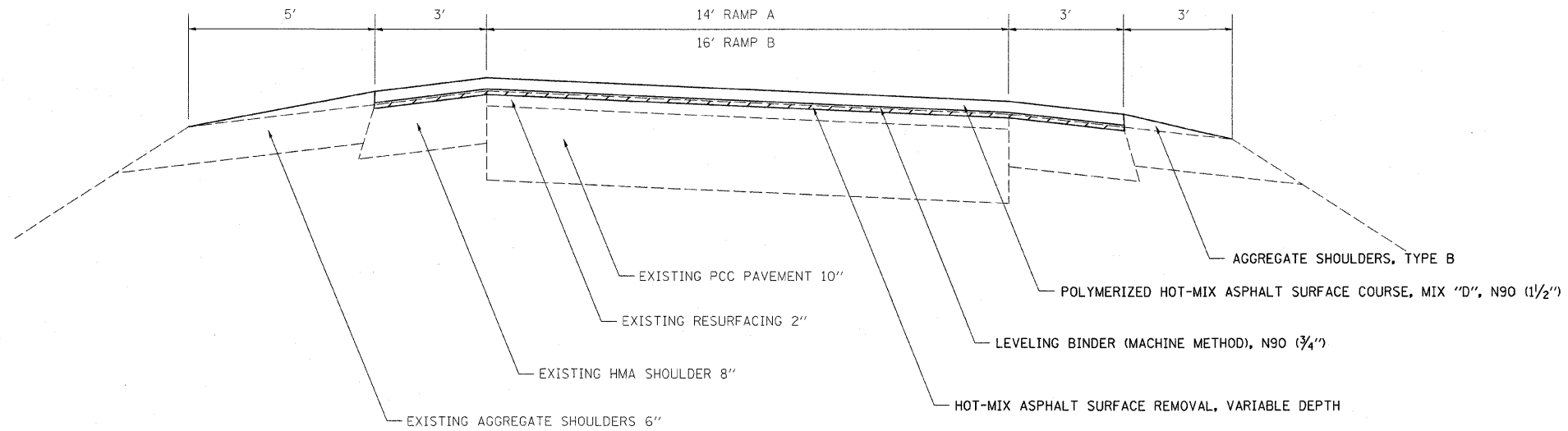
STA 30+30 TO STA 36+50 (RAMP C)



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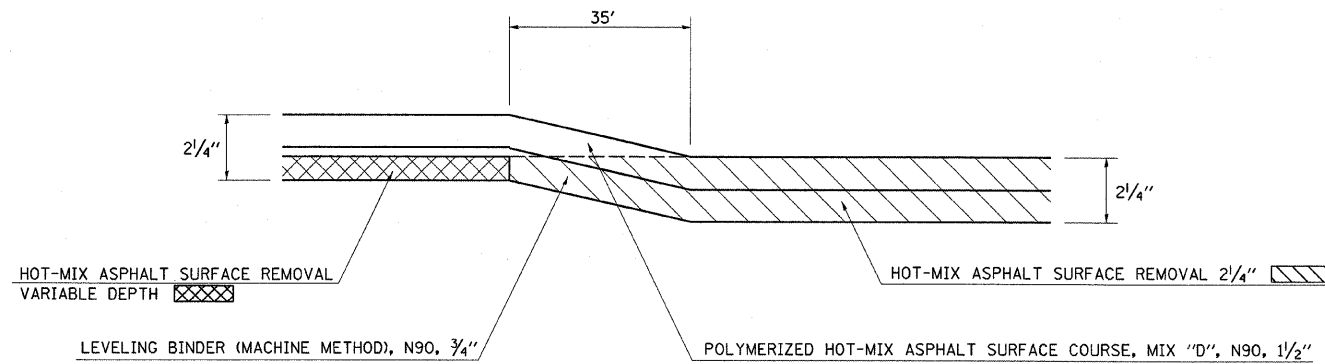
# TYPICAL CROSS SECTIONS

STA 1+00 TO STA 9+72 (RAMP A)  
 STA 1+00 TO STA 9+55 (RAMP B)



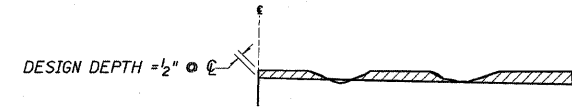
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	PLOT DATE = 12/9/2010	DATE -	REVISED -										
								FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT			
								CONTRACT NO. 94978					





**MILLING TRANSITION DETAIL**

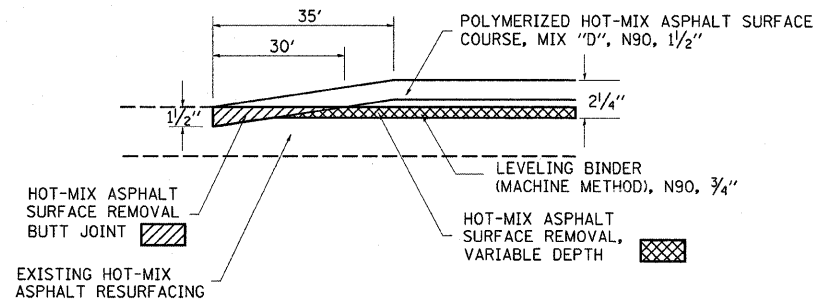
STA. 29+95.00 TO STA. 30+30.00 (RAMP C)



**NOTES:**

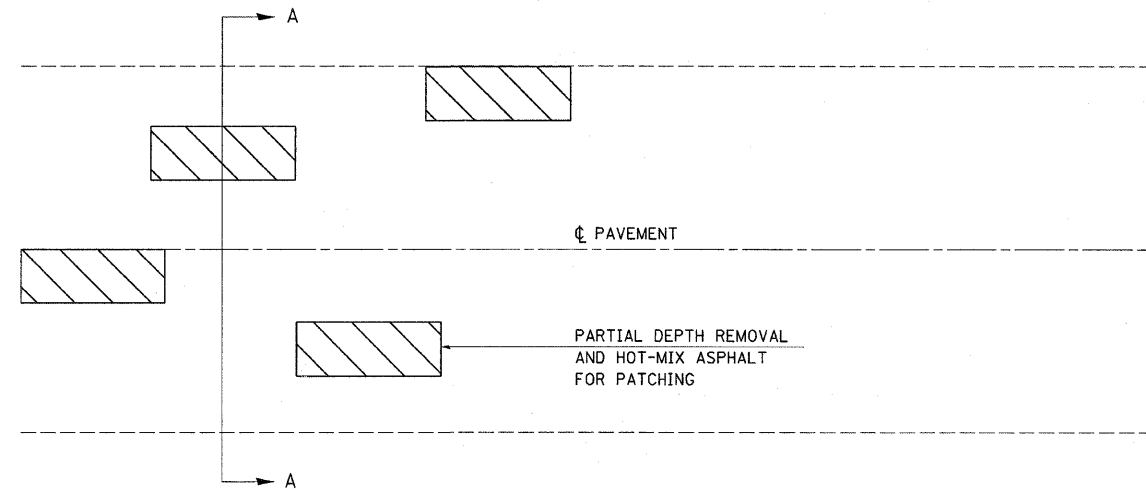
1. MILLING SHALL BE DONE TO ATTAIN A 3/16" /' SLOPE IN CROWN SECTIONS
2. EXISTING S.E. AND S.E. TRANSITIONS SHALL BE MAINTAINED UNLESS OTHERWISE SHOWN ON THE PLANS.
3. MILLING TO THE BOTTOM OF WHEEL RUTS SHALL NOT BE NECESSARY UNLESS REQUIRED TO OBTAIN SLOPE OR THE DESIGN DEPTH AT CENTERLINE.
4. THE AVERAGE DEPTH OF MILLING IS ESTIMATED TO BE 1/2" BUT MAY VARY IN ISOLATED LOCATIONS.

**HOT-MIX ASPHALT SURFACE REMOVAL (VARIABLE DEPTH) DETAIL**



**BUTT JOINT DETAIL**

STA. 60+08.00 TO STA. 60+43.00	STA. 70+70.50 TO STA. 71+05.50
STA. 72+44.50 TO STA. 72+79.50	STA. 1519+20.00 TO STA. 1519+55.00
STA. 1521+74.00 TO STA. 1522+09.00	STA. 546+55.00 TO STA. 546+90.00



**SECTION A-A**

**PARTIAL DEPTH PATCHING DETAIL**

NOTE: THE MINIMUM DIMENSIONS FOR PARTIAL DEPTH REMOVAL SHALL BE 18" AT CENTERLINE JOINT. ALL OTHERS SHALL BE 24".

FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETAILS</b>			F.A.P. RTE. 327	SECTION (2-2,3-2,51-23)RS-1	COUNTY LAWRENCE	TOTAL SHEETS 40	SHEET NO. 9
ca:\pw_work\p\dot\swartzw\dms56917\1794978-sht\details.dgn	PLOT SCALE = 50,0000' / IN.	DRAWN -	REVISED -		SCALE: NA	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 94978	
	PLOT DATE = 12/9/2010	CHECKED -	REVISED -									
		DATE -	REVISED -									

RESURFACING SCHEDULE				LENGTH FOOT	AVERAGE PAVEMENT WIDTH FOOT	AREA SQ FT	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH SQ YD	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL SQ YD	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4" SQ YD	BITUMINOUS MATERIALS (PRIME COAT) GALLON	AGGREGATE (PRIME COAT) TON	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90 TON	LEVELING BINDER (MACHINE METHOD), N90 TON	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90 TON	AGGREGATE SHOULDERS, TYPE B TON	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT SQ YD	TEMPORARY RAMP SQ YD
STATION	TO	STATION															
US 50 MAINLINE																	
60+08.00	TO	60+43.00		35.0	30.0	1050.0	0.0	0.0	0.0	23.4	0.2	9.8	2.5	0.0	3.1	116.7	16.7
60+43.00	TO	70+70.50		1027.5	30.0	30825.0	3425.0	0.0	0.0	685.0	6.9	287.7	143.9	0.0	87.7	0.0	0.0
70+70.50	TO	71+05.50		35.0	30.0	1050.0	0.0	0.0	0.0	23.4	0.2	9.8	2.5	0.0	3.1	116.7	16.7
71+05.50	TO	72+44.50		139.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
72+44.50	TO	72+79.50		35.0	30.0	1050.0	0.0	0.0	0.0	23.4	0.2	9.8	2.5	0.0	3.1	116.7	16.7
72+79.50	TO	139+79.00		6699.5	30.0	200985.0	22331.7	0.0	0.0	4466.4	44.7	1875.9	937.9	0.0	571.2	0.0	0.0
139+79.00	TO	152+10.00		1231.0	VARIABLES	53128.0	5903.1	0.0	0.0	1180.6	11.8	495.9	247.9	0.0	102.6	0.0	0.0
152+10.00	TO	192+90.50		4080.5	30.0	122415.0	13601.7	0.0	0.0	2720.4	27.2	1142.5	571.3	0.0	345.5	0.0	0.0
192+90.50	BK =	192+83.00 AH		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
192+83.00	TO	349+86.00		15703.0	30.0	471090.0	52343.3	0.0	0.0	10468.6	104.7	4396.8	2198.4	0.0	1323.2	0.0	0.0
349+86.00	TO	366+02.00		1616.0	VARIABLES	43853.0	4872.6	0.0	0.0	974.6	9.7	409.3	204.6	0.0	117.6	0.0	0.0
366+02.00	TO	494+49.74		12847.7	30.0	385432.2	42825.8	0.0	0.0	8565.2	85.7	3597.4	1798.7	0.0	1074.8	0.0	0.0
494+49.74	BK =	1494+49.74 A		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1494+49.74	TO	1519+20.00		2470.3	30.0	79727.8	8858.6	0.0	0.0	1771.8	17.7	744.1	372.1	0.0	214.9	0.0	0.0
1519+20.00	TO	1519+55.00		35.0	30.0	1050.0	0.0	0.0	0.0	23.4	0.2	9.8	2.5	0.0	3.1	116.7	16.7
1519+55.00	TO	1521+74.00		219.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1521+74.00	TO	1522+09.00		35.0	30.0	1050.0	0.0	0.0	0.0	23.4	0.2	9.8	2.5	0.0	3.1	116.7	16.7
1522+09.00	TO	1538+68.25		1659.3	30.0	49777.5	5530.8	0.0	0.0	1106.2	11.1	464.6	232.3	0.0	131.2	0.0	0.0
1538+68.25	BK =	537+95.53 AH		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
537+95.53	TO	546+55.00		859.5	30.0	25784.1	2864.9	0.0	0.0	573.0	5.7	240.7	120.3	0.0	74.8	0.0	0.0
546+55.00	TO	546+90.00		35.0	30.0	1050.0	0.0	0.0	0.0	23.4	0.2	9.8	2.5	0.0	3.1	116.7	16.7
546+90.00	TO	566+60.00		1970.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
566+60.00	TO	570+50.00		390.0	VARIABLES	14971.0	0.0	1663.4	0.0	332.6	3.3	139.7	0.0	391.0	0.0	0.0	143.1
MAINLINE TOTALS						1484289.	162557.0	1663.0	0.0	32985.0	330.0	13853.0	6842.0	391.0	4062.0	700.0	243.0

FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SCHEDULE OF QUANTITIES</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
cs:\pwork\pwork\swartzw\dms56917\1794978-shit-sch.dgn		DRAWN -	REVISED -		SCALE: NA	SHEET NO. 1 OF 4 SHEETS	STA.	TO STA.	327	(2-2,3-2,51-23)RS-1	LAWRENCE	40	10
	PLOT SCALE = 58.0000' / IN.	CHECKED -	REVISED -		CONTRACT NO. 94978								
	PLOT DATE = 12/9/2010	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

RESURFACING SCHEDULE (Continued)		LENGTH	AVERAGE PAVEMENT WIDTH	AREA	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	HOT-MIX ASPHALT SURFACE REMOVAL, SPECIAL	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX 7/8", N90	LEVELING BINDER (MACHINE METHOD), N90	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N90	AGGREGATE SHOULDERS, TYPE B	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	TEMPORARY RAMP
RAMP C															
0+13.50	TO 0+52.50	39.0	VARIABLE	1864.0	207.1	0.0	0.0	41.4	0.4	17.4	8.7	0.0	2.0	0.0	0.0
0+52.50	TO 22+61.00	2208.5	28.0	61838.0	6870.9	0.0	0.0	1374.2	13.7	577.2	288.6	0.0	115.3	0.0	0.0
22+61.00	TO 28+61.00	600.0	VARIABLE	22022.0	2446.9	0.0	0.0	489.4	4.9	205.5	102.8	0.0	31.3	0.0	0.0
28+61.00	TO 29+95.00	134.0	28.0	3752.0	416.9	0.0	0.0	83.4	0.8	35.0	17.5	0.0	7.0	0.0	0.0
29+95.00	TO 30+30.00	35.0	28.0	980.0	0.0	0.0	108.9	21.8	0.2	9.1	4.6	0.0	1.8	0.0	0.0
30+30.00	TO 36+50.00	620.0	28.0	17360.0	0.0	0.0	1928.9	385.8	3.9	162.0	81.0	0.0	0.0	0.0	46.7
RAMP E															
0+00.00	TO 13+46.37	1346.4	24.0	32312.9	3590.3	0.0	0.0	718.0	7.2	301.6	150.8	0.0	70.3	0.0	0.0
RAMP A															
1+00.00	TO 1+35.00	35.0	20.0	700.0	0.0	0.0	0.0	15.6	0.2	6.5	1.6	0.0	3.1	77.8	11.1
1+35.00	TO 9+37.00	802.0	20.0	16040.0	1782.2	0.0	0.0	356.4	3.6	149.7	74.9	0.0	69.8	0.0	0.0
9+37.00	TO 9+72.00	35.0	20.0	700.0	0.0	0.0	0.0	15.6	0.2	6.5	1.6	0.0	3.1	77.8	11.1
RAMP B															
1+00.00	TO 1+35.00	35.0	22.0	770.0	0.0	0.0	0.0	17.2	0.2	7.2	1.8	0.0	3.1	85.6	12.2
1+35.00	TO 5+88.52	453.5	22.0	9977.4	1108.6	0.0	0.0	221.8	2.2	93.1	46.6	0.0	39.5	0.0	0.0
5+88.52	BK= 6+25.19 AH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6+25.19	TO 9+20.00	294.8	22.0	6485.8	720.6	0.0	0.0	144.2	1.4	60.5	30.3	0.0	25.6	0.0	0.0
9+20.00	TO 9+55.00	35.0	22.0	770.0	0.0	0.0	0.0	17.2	0.2	7.2	1.8	0.0	3.1	85.6	12.2
RAMP TOTALS				175572.0	17144.0	0.0	2038.0	3902.0	39.0	1639.0	813.0	0.0	375.0	327.0	93.0
TOTALS				1659861.0	179701.0	1663.0	2038.0	36887.0	369.0	15492.0	7655.0	391.0	4437.0	1027.0	336.0

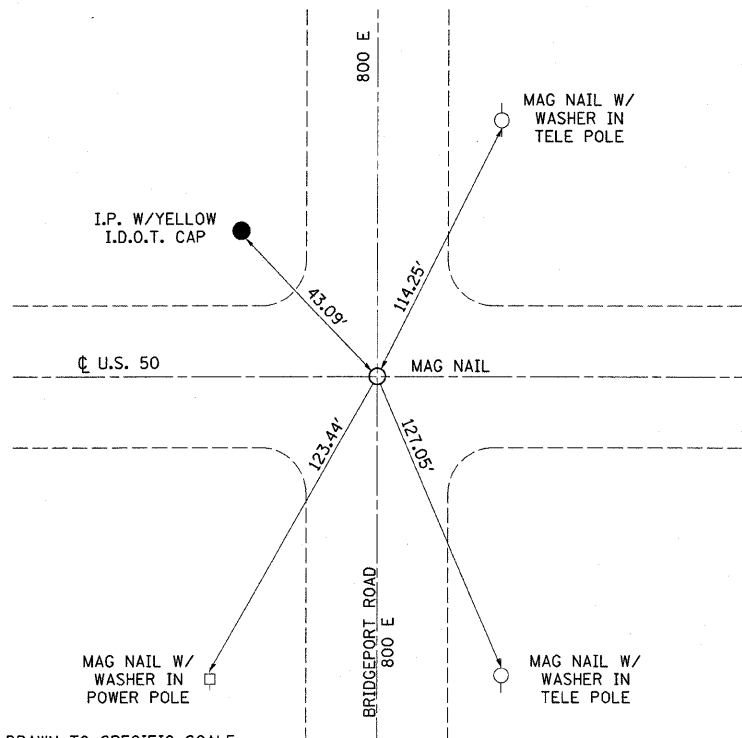
PAVEMENT MARKING SCHEDULE	LENGTH	PAINT PAVEMENT MARKING - LINE 4" WHITE	PAINT PAVEMENT MARKING - LINE 4" YELLOW	THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW	PAINT PAVEMENT MARKING - LINE 8" WHITE	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS	TEMPORARY PAVEMENT MARKING - LINE 4"	TEMPORARY PAVEMENT MARKING - LINE 6"	TEMPORARY PAVEMENT MARKING - LINE 8"	TEMPORARY PAVEMENT MARKING - LINE 12"	TEMPORARY PAVEMENT MARKING - LETTERS & SYMBOLS	SHORT-TERM PAVEMENT MARKING	WORK ZONE PAVEMENT MARKING REMOVAL	RAISED REFLECTIVE PAVEMENT MARKER
60+08.00 TO 64+93.00	485.0	970.0	606.3	0.0	0.0	0.0	0.0	0.0	1576.3	0.0	0.0	0.0	0.0	192.0	16.0	6.0
64+93.00 TO 113+80.00	4887.0	9578.0	1221.8	0.0	0.0	0.0	0.0	0.0	10799.8	0.0	0.0	0.0	0.0	1952.0	162.7	61.0
113+80.00 TO 118+67.00	487.0	974.0	608.8	0.0	0.0	0.0	0.0	0.0	1582.8	0.0	0.0	0.0	0.0	192.0	16.0	6.0
118+67.00 TO 134+87.00	1620.0	3240.0	405.0	0.0	0.0	0.0	0.0	0.0	3645.0	0.0	0.0	0.0	0.0	656.0	54.7	20.0
134+87.00 TO 138+59.00	372.0	744.0	465.0	0.0	0.0	0.0	0.0	0.0	1209.0	0.0	0.0	0.0	0.0	144.0	12.0	5.0
138+59.00 TO 139+79.00	120.0	240.0	240.0	0.0	0.0	0.0	0.0	0.0	480.0	0.0	0.0	0.0	0.0	48.0	4.0	6.0
139+79.00 TO 143+28.00	349.0	698.0	0.0	1396.0	0.0	0.0	170.0	0.0	2094.0	0.0	0.0	170.0	0.0	288.0	24.0	18.0
143+28.00 TO 144+28.00	100.0	200.0	0.0	400.0	0.0	100.0	75.0	31.2	600.0	100.0	0.0	75.0	31.2	96.0	8.0	9.0
144+28.00 TO 144+55.00	27.0	54.0	0.0	108.0	0.0	0.0	15.0	0.0	162.0	0.0	0.0	15.0	0.0	32.0	2.7	5.0
144+55.00 TO 145+30.00	75.0	27.0	0.0	0.0	0.0	0.0	0.0	0.0	27.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
145+30.00 TO 146+80.00	150.0	300.0	0.0	300.0	0.0	150.0	0.0	31.2	600.0	150.0	0.0	0.0	31.2	128.0	10.7	12.0
146+80.00 TO 152+10.00	530.0	1060.0	0.0	2120.0	0.0	0.0	179.0	0.0	3180.0	0.0	0.0	179.0	0.0	416.0	34.7	26.0
152+10.00 TO 153+30.00	120.0	240.0	240.0	0.0	0.0	0.0	0.0	0.0	480.0	0.0	0.0	0.0	0.0	48.0	4.0	6.0
153+30.00 TO 157+22.00	392.0	784.0	490.0	0.0	0.0	0.0	0.0	0.0	1274.0	0.0	0.0	0.0	0.0	160.0	13.3	5.0
157+22.00 TO 192+90.50	3568.5	6997.0	892.1	0.0	0.0	0.0	0.0	0.0	7889.1	0.0	0.0	0.0	0.0	1424.0	118.7	45.0
192+90.50 BK= 192+83.00 AH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
192+83.00 TO 344+83.00	15200.0	29803.0	3800.0	0.0	0.0	0.0	0.0	0.0	33603.0	0.0	0.0	0.0	0.0	6080.0	506.7	190.0
344+83.00 TO 348+70.00	387.0	774.0	483.8	0.0	0.0	0.0	0.0	0.0	1257.8	0.0	0.0	0.0	0.0	160.0	13.3	5.0
348+70.00 TO 349+90.00	120.0	240.0	240.0	0.0	0.0	0.0	0.0	0.0	480.0	0.0	0.0	0.0	0.0	48.0	4.0	6.0
349+90.00 TO 355+46.00	556.0	1112.0	0.0	2224.0	0.0	0.0	126.0	0.0	3336.0	0.0	0.0	126.0	0.0	448.0	37.3	28.0
355+46.00 TO 356+61.00	115.0	56.0	0.0	230.0	0.0	115.0	0.0	31.2	286.0	115.0	0.0	0.0	31.2	96.0	8.0	9.0
356+61.00 TO 357+47.00	86.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
357+47.00 TO 358+62.00	115.0	56.0	0.0	230.0	0.0	115.0	0.0	31.2	286.0	115.0	0.0	0.0	31.2	96.0	8.0	9.0
358+62.00 TO 366+05.00	743.0	1486.0	0.0	2972.0	0.0	0.0	240.0	0.0	4458.0	0.0	0.0	240.0	0.0	608.0	50.7	38.0
366+05.00 TO 367+25.00	120.0	240.0	240.0	0.0	0.0	0.0	0.0	0.0	480.0	0.0	0.0	0.0	0.0	48.0	4.0	6.0
367+25.00 TO 371+10.00	385.0	770.0	481.3	0.0	0.0	0.0	0.0	0.0	1251.3	0.0	0.0	0.0	0.0	160.0	13.3	5.0
371+10.00 TO 494+49.74	12339.7	24025.5	3084.9	0.0	0.0	0.0	0.0	0.0	27110.4	0.0	0.0	0.0	0.0	4928.0	410.7	154.0
494+49.74 BK= 1494+49.74	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
1494+49.74 TO 1512+95.00	1845.3	3562.5	461.3	0.0	0.0	0.0	0.0	0.0	4023.8	0.0	0.0	0.0	0.0	736.0	61.3	23.0
1512+95.00 TO 1515+45.00	250.0	500.0	62.5	0.0	250.0	0.0	0.0	0.0	562.5	0.0	250.0	0.0	0.0	96.0	8.0	3.0
1515+45.00 TO 1538+68.25	2323.3	4403.5	580.8	0.0	0.0	0.0	0.0	0.0	4984.3	0.0	0.0	0.0	0.0	928.0	77.3	29.0
1538+68.25 BK= 537+95.35 AH	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
537+95.35 TO 546+90.00	894.7	1789.3	223.7	0.0	0.0	0.0	0.0	0.0	2013.0	0.0	0.0	0.0	0.0	352.0	29.3	11.0
546+90.00 TO 566+60.00	1970.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
566+60.00 TO 567+65.00	105.0	54.0	0.0	0.0	0.0	0.0	0.0	0.0	54.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
567+65.00 TO 570+50.00	285.0	444.0	0.0	0.0	0.0	285.0	0.0	0.0	444.0	285.0	0.0	0.0	0.0	0.0	0.0	7.0
MAINLINE TOTALS		95422.0	14827.0	9980.0	250.0	765.0	805.0	125.0	120229.0	765.0	250.0	805.0	125.0	20560.0	1713.0	753.0

PAVEMENT MARKING SCHEDULE (Cont'd)	STATION TO STATION	LENGTH FOOT	PAINT PAVEMENT MARKING - LINE 4" WHITE FOOT	PAINT PAVEMENT MARKING - LINE 4" YELLOW FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 4" YELLOW FOOT	PAINT PAVEMENT MARKING - LINE 8" WHITE FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 6" FOOT	THERMOPLASTIC PAVEMENT MARKING - LINE 12" FOOT	THERMOPLASTIC PAVEMENT MARKING - LETTERS & SYMBOLS SQ FT	TEMPORARY PAVEMENT MARKING - LINE 4" FOOT	TEMPORARY PAVEMENT MARKING - LINE 6" FOOT	TEMPORARY PAVEMENT MARKING - LINE 8" FOOT	TEMPORARY PAVEMENT MARKING - LINE 12" FOOT	TEMPORARY PAVEMENT MARKING - LETTERS & SYMBOLS SQ FT	SHORT-TERM PAVEMENT MARKING FOOT	WORK ZONE PAVEMENT MARKING REMOVAL SQ FT	RAISED REFLECTIVE PAVEMENT MARKER EACH
0+13.50 TO 21+35.00		2121.5	4243.0	4243.0	0.0	0.0	0.0	0.0	0.0	8486.0	0.0	0.0	0.0	0.0	848.0	70.7	27.0
21+35.00 TO 22+60.00		125.0	125.0	250.0	0.0	125.0	0.0	0.0	0.0	375.0	0.0	125.0	0.0	0.0	48.0	4.0	2.0
22+60.00 TO 36+50.00		1390.0	2780.0	2780.0	0.0	0.0	0.0	0.0	0.0	5560.0	0.0	0.0	0.0	0.0	560.0	46.7	17.0
RAMP E																	
0+00.00 TO 0+90.00		90.0	90.0	0.0	0.0	90.0	0.0	0.0	0.0	90.0	0.0	90.0	0.0	0.0	0.0	0.0	0.0
0+90.00 TO 12+20.00		1130.0	1130.0	1130.0	0.0	0.0	0.0	0.0	0.0	2260.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
12+20.00 TO 13+46.37		126.4	126.4	0.0	0.0	126.4	0.0	0.0	0.0	126.4	0.0	126.4	0.0	0.0	0.0	0.0	0.0
RAMP A																	
1+00.00 TO 9+72.00		872.0	872.0	872.0	0.0	0.0	0.0	0.0	0.0	1744.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RAMP B																	
1+00.00 TO 5+88.52		488.5	488.5	488.5	0.0	0.0	0.0	0.0	0.0	977.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
5+88.52 BK= 6+25.19 AH		0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
6+25.19 TO 9+55.00		329.8	329.8	329.8	0.0	0.0	0.0	0.0	0.0	659.6	0.0	0.0	0.0	0.0	0.0	0.0	0.0
RAMP TOTALS			10185.0	10093.0	0.0	341.0	0.0	0.0	0.0	20278.0	0.0	341.0	0.0	0.0	1456.0	121.0	46.0
TOTALS			105607.0	24920.0	9980.0	591.0	765.0	805.0	125.0	140507.0	765.0	591.0	805.0	125.0	22016.0	1834.0	799.0

GUARDRAIL SCHEDULE	LOCATION	GUARDRAIL REMOVAL FOOT	TRAFFIC BARRIER TERMINAL, TYPE 6B EACH	STEEL PLATE BEAM GUARD RAIL, TYPE A, 9 FOOT POSTS FOOT	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT EACH	TERMINAL MARKERS - DIRECT APPLIED EACH	GUARDRAIL MARKERS, TYPE A EACH
S END OF PIER 1	100.0	0.0	0.0	0.0	0.0	0.0	
N END OF PIER 2	50.0	1.0	0.0	1.0	1.0	4.0	
S END OF PIER 2	75.0	1.0	50.0	1.0	1.0	4.0	
TOTALS=	300.0	3.0	50.0	3.0	3.0	12.0	

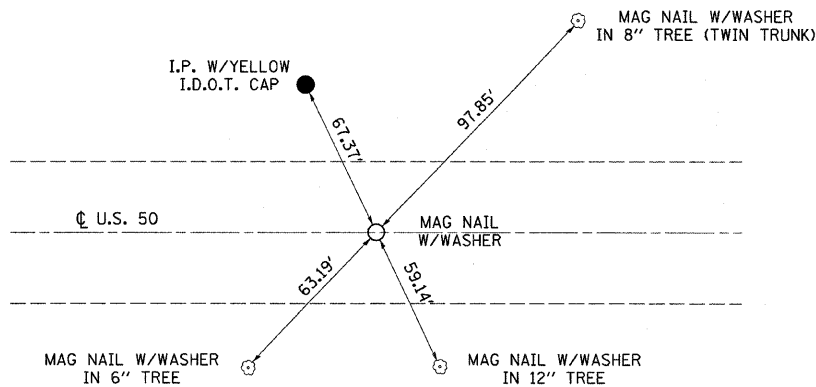


P.I. STA. 13+42.66  
 U.S. 50 P.O.T STA. 357+00.50



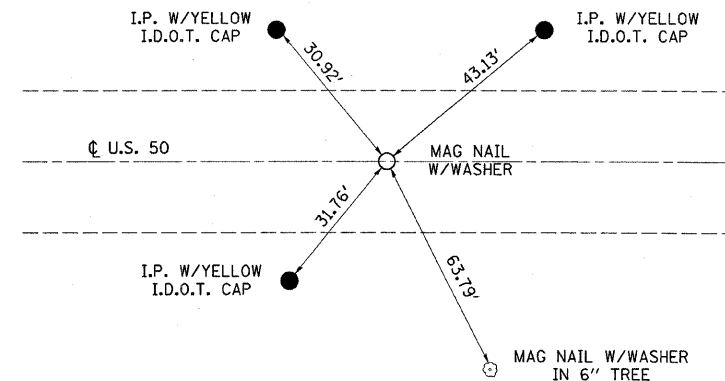
NOTE: NOT DRAWN TO SPECIFIC SCALE

P.O.T. STA. 338+61.94



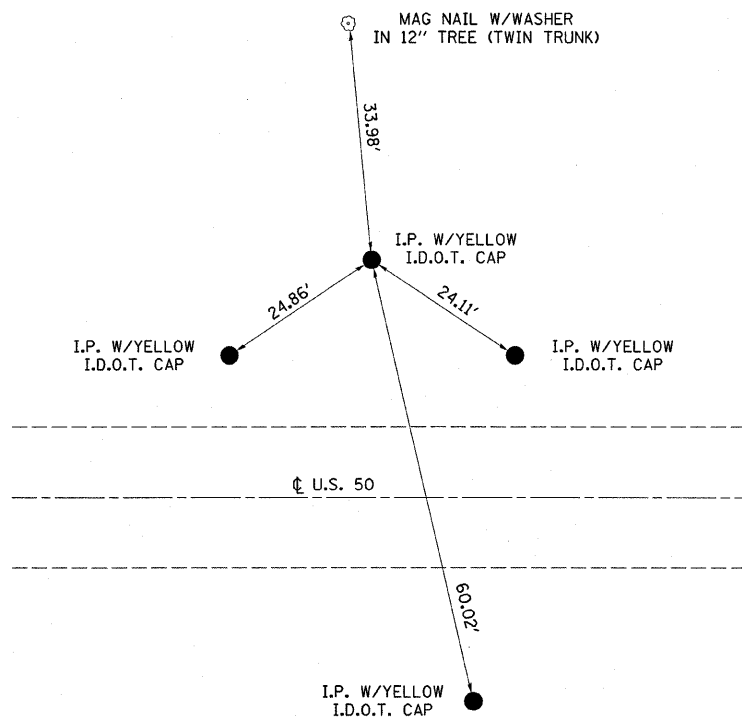
NOTE: NOT DRAWN TO SPECIFIC SCALE

P.O.T. STA. 381+92.09



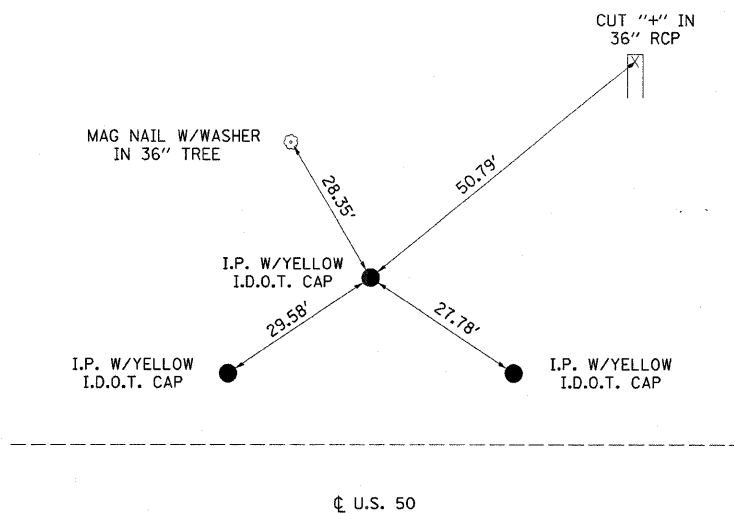
NOTE: NOT DRAWN TO SPECIFIC SCALE

P.O.T. STA. 340+00.00  
 OF SURVEY



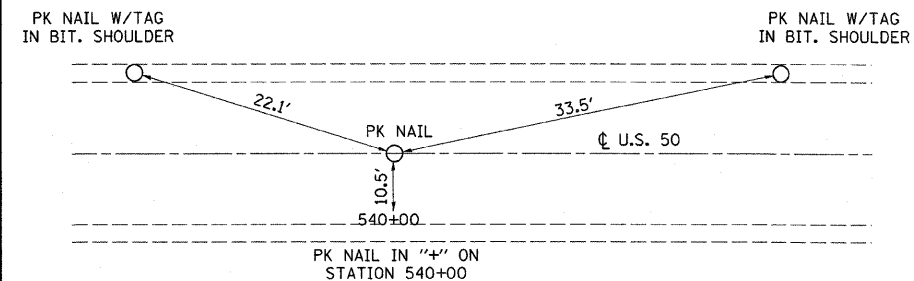
NOTE: NOT DRAWN TO SPECIFIC SCALE

P.O.T. STA. 380+00.00  
 OF SURVEY



NOTE: NOT DRAWN TO SPECIFIC SCALE

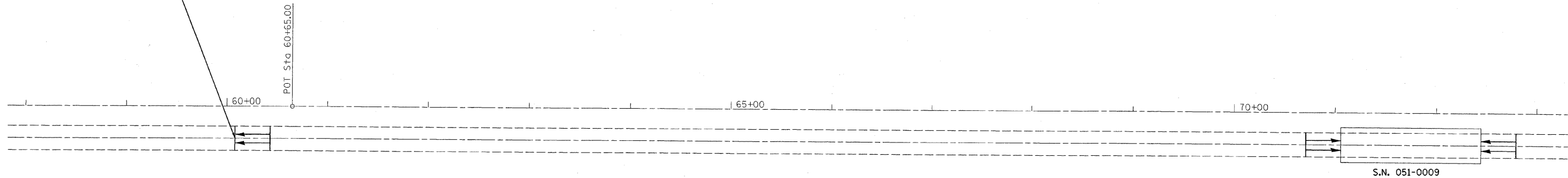
P.O.T. STA. 540+00.00



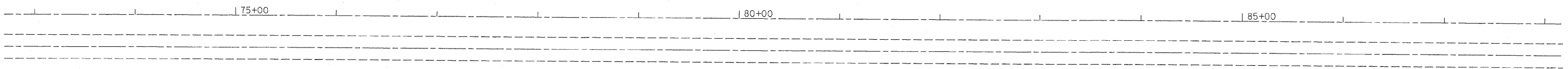
NOTE: NOT DRAWN TO SPECIFIC SCALE

FILE NAME =	USER NAME = swartzrw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TIE POINTS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwork\pwork\swartzrw\dms56917\4794978-sht-details.dgn		DRAWN -	REVISED -			327	(2-2,3-2,51-23)RS-1	LAWRENCE	40	15	
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 94978					
PLOT DATE = 12/9/2010		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
						SCALE: NA	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.		

FAP ROUTE 327 (US ROUTE 50)  
SECTION (2-2,3-2,51-23)RS-1  
LAWRENCE COUNTY  
BEGINS STATION 60+08

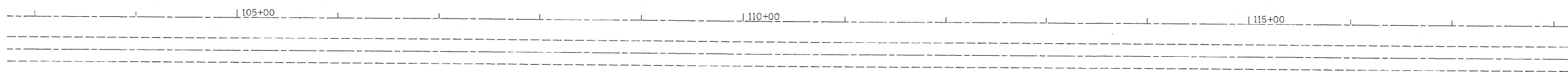
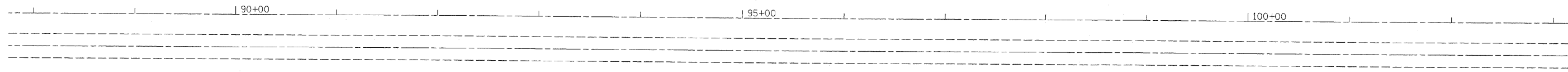
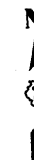


 HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

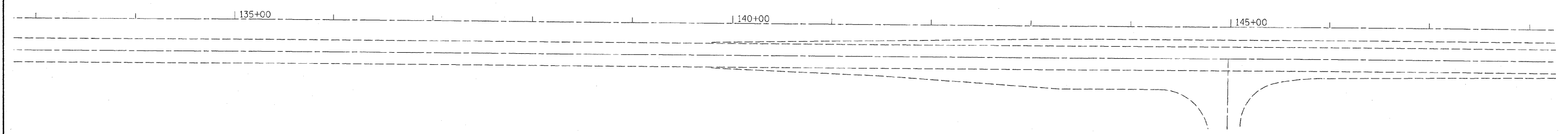
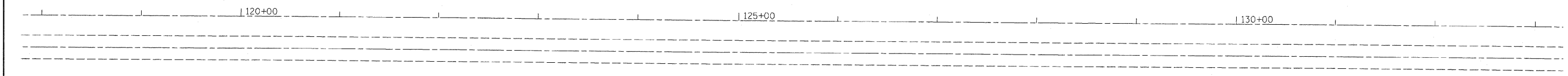


FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEET</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\pwwork\swartzw\dms56917\d79	978-shr-plan.dgn	DRAWN -	REVISED -		SCALE: 50	SHEET NO. 1 OF 19 SHEETS	STA. 60+08 TO STA. 88+00	327	(2-2,3-2,51-23)RS-1	LAWRENCE	40	16
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -		CONTRACT NO. 94978							
	PLOT DATE = 12/9/2010	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

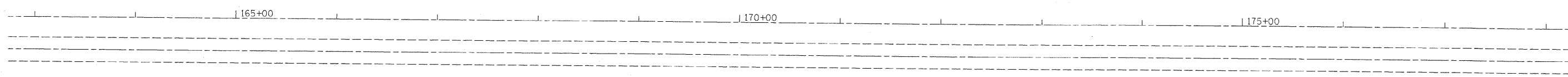
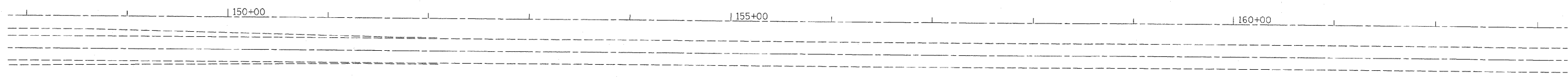




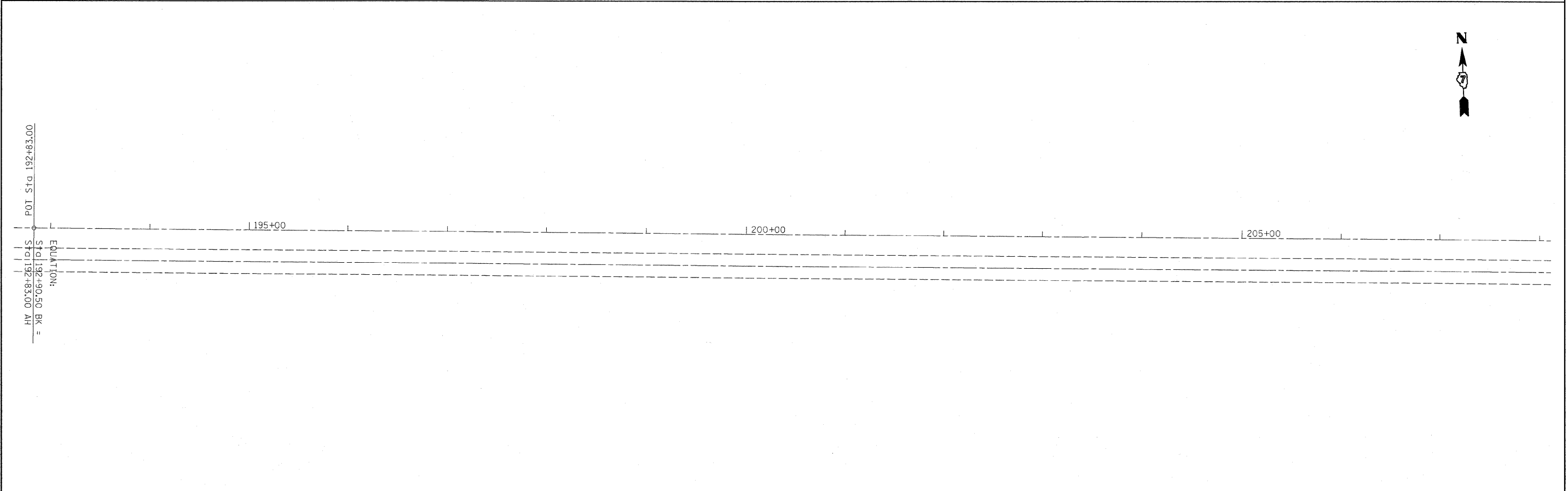
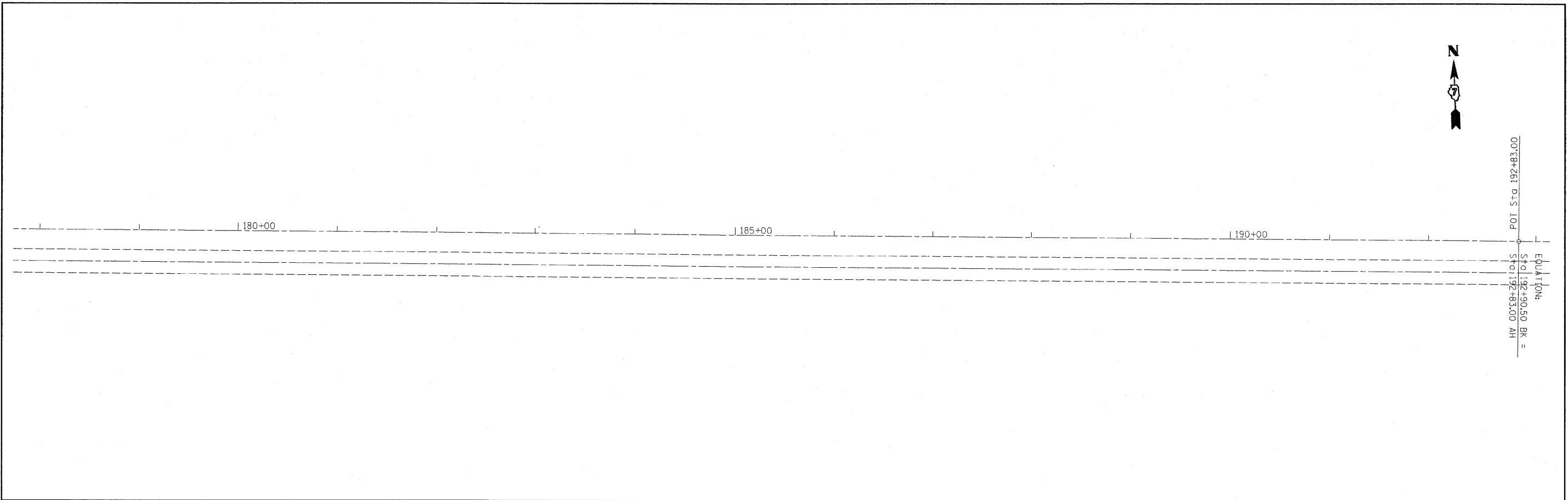
FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEET</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca\pwwork\pwwdot\swartzw\dms56917\d79	978-shr-plan.dgn	DRAWN -	REVISED -		327	(2-2,3-2,51-23)RS-1	LAWRENCE	40	17			
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -	SCALE: 50		SHEET NO. 2 OF 19 SHEETS	STA. 88+00	TO STA. 118+00	ILLINOIS FED. AID PROJECT				
PLOT DATE = 12/9/2010	DATE -	REVISED -						CONTRACT NO. 94978				



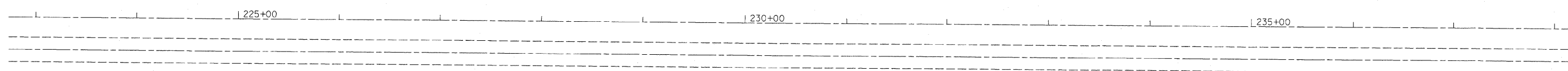
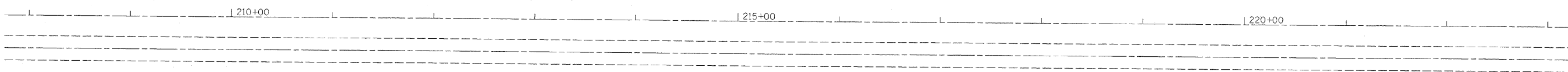
FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEET</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
cd:\pw_work\pwidet\swartzw\dms56917\d794	978-shr-plan.dgn	DRAWN -	REVISED -		327	(2-2,3-2,51-23)RS-1	LAWRENCE	40	18			
PLOT SCALE = 50,0000' / IN.	CHECKED -	REVISED -	REVISED -		SCALE: 50			SHEET NO. 3 OF 19 SHEETS			STA. 118+00 TO STA. 148+00	CONTRACT NO. 94978
PLOT DATE = 12/9/2010	DATE -	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT							



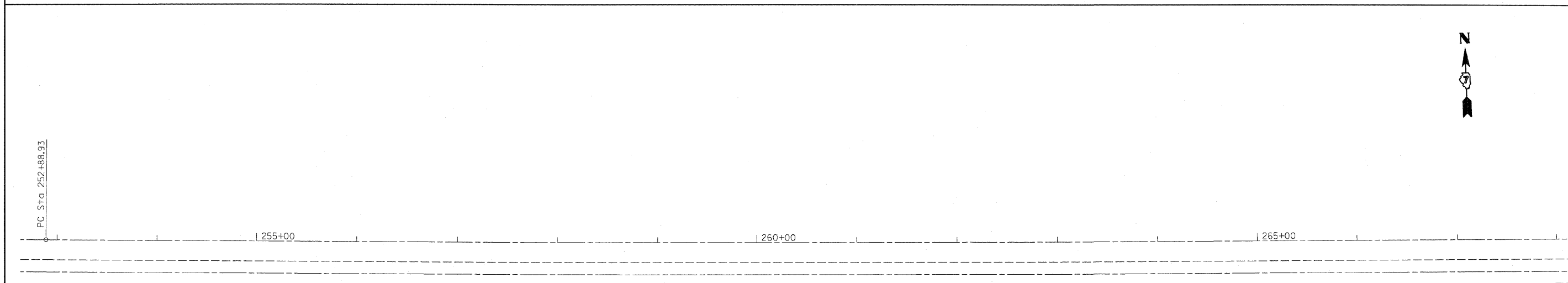
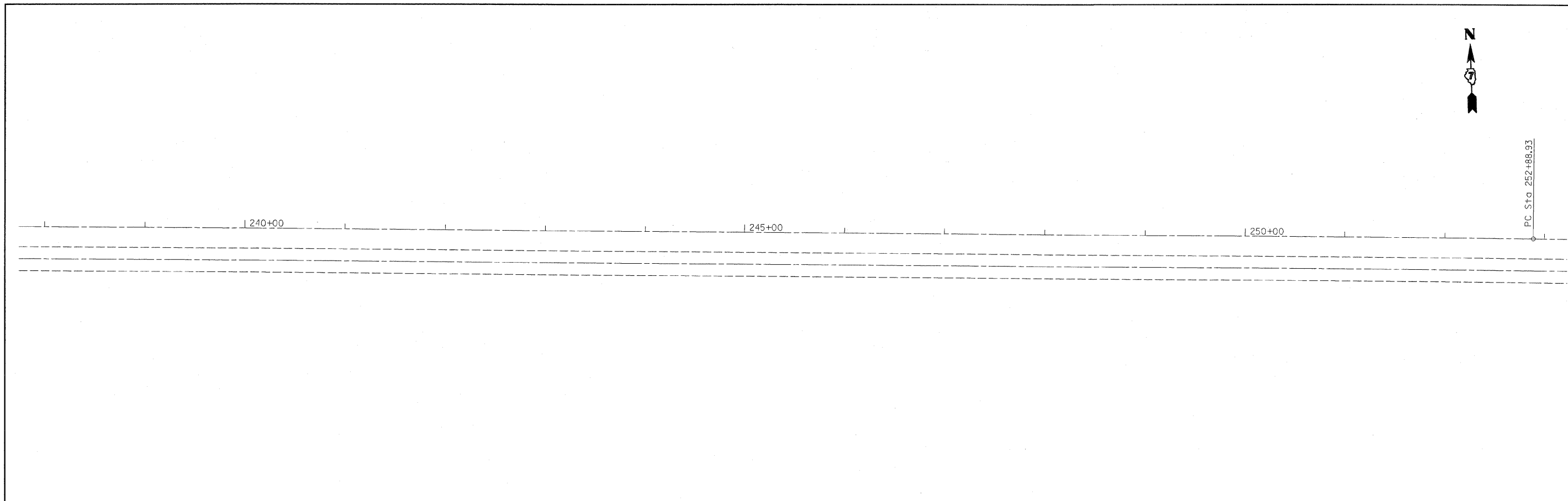
FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEET</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca\pw\work\p\dot\swartzw\dms56917\d79	978-shr-plan.dgn	DRAWN -	REVISED -		327	(2-2,3-2,51-23)RS-1	LAWRENCE	40	19				
	PLOT SCALE = 58.2000' / IN.	CHECKED -	REVISED -		CONTRACT NO. 94978								
	PLOT DATE = 12/9/2010	DATE -	REVISED -		SCALE: 50	SHEET NO. 4 OF 19 SHEETS	STA. 148+00 TO STA. 178+00	ILLINOIS FED. AID PROJECT					



FILE NAME =	USER NAME = swartzrw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEET</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\p1\dot\swartzrw\dms56917\4978-sht-plan.dgn		DRAWN -	REVISED -		327	(2-2,3-2,51-23)RS-1	LAWRENCE	40	20			
	PLOT SCALE = 58.2000' / IN.	CHECKED -	REVISED -		SCALE: 50      SHEET NO. 5 OF 19 SHEETS      STA. 178+00      TO STA. 208+00			CONTRACT NO. 94978				
	PLOT DATE = 12/9/2010	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

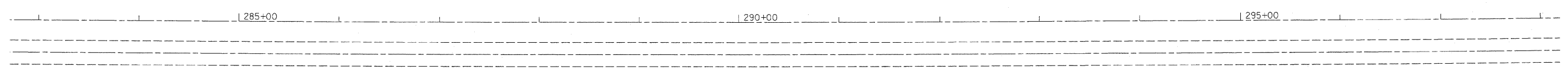
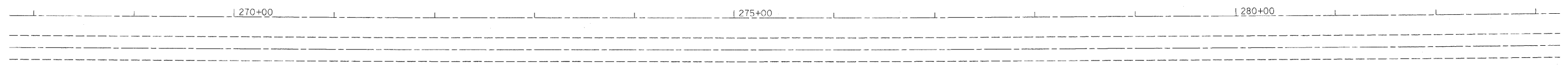


FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEET</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
cs:\pv_work\pvidot\swartzw\dms56917\d794978-shr-plan.dgn	PLOT SCALE = 50.0000' / 1" IN.	DRAWN -	REVISED -		327	(2-2,3-2,51-23)RS-1	LAWRENCE	40	21		
PLOT DATE = 12/9/2010	CHECKED -	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT	CONTRACT NO. 94978					
				SCALE: 50	SHEET NO. 6 OF 19 SHEETS	STA. 208+00 TO STA. 238+00					

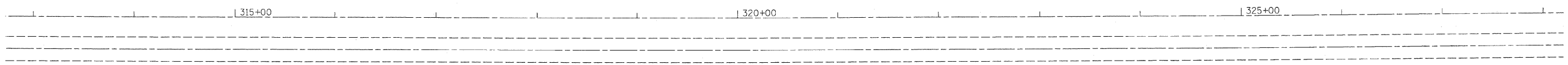
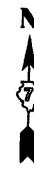


EXIST. CURVE 1  
 PI STA. = 295+42.40  
 $\Delta$  = 5° 40' 00" (LT)  
 D = 0° 04' 00"  
 R = 85,943.67'  
 T = 4,253.47'  
 L = 8,500.00'  
 E = 105.19'  
 e = -----  
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA. = 252+88.93  
 P.T. STA. = 337+88.93

FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEET</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca\pw_work\p\dot\swartzw\dms56917\d79	978-shr-plan.dgn	DRAWN -	REVISED -		SCALE: 50	SHEET NO. 7 OF 19 SHEETS	STA. 238+00 TO STA. 268+00	327	(2-2,3-2,51-23)RS-1	LAWRENCE	40	22
	PLOT SCALE = 50,0000' / IN.	CHECKED -	REVISED -		CONTRACT NO. 94978							
	PLOT DATE = 12/9/2010	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

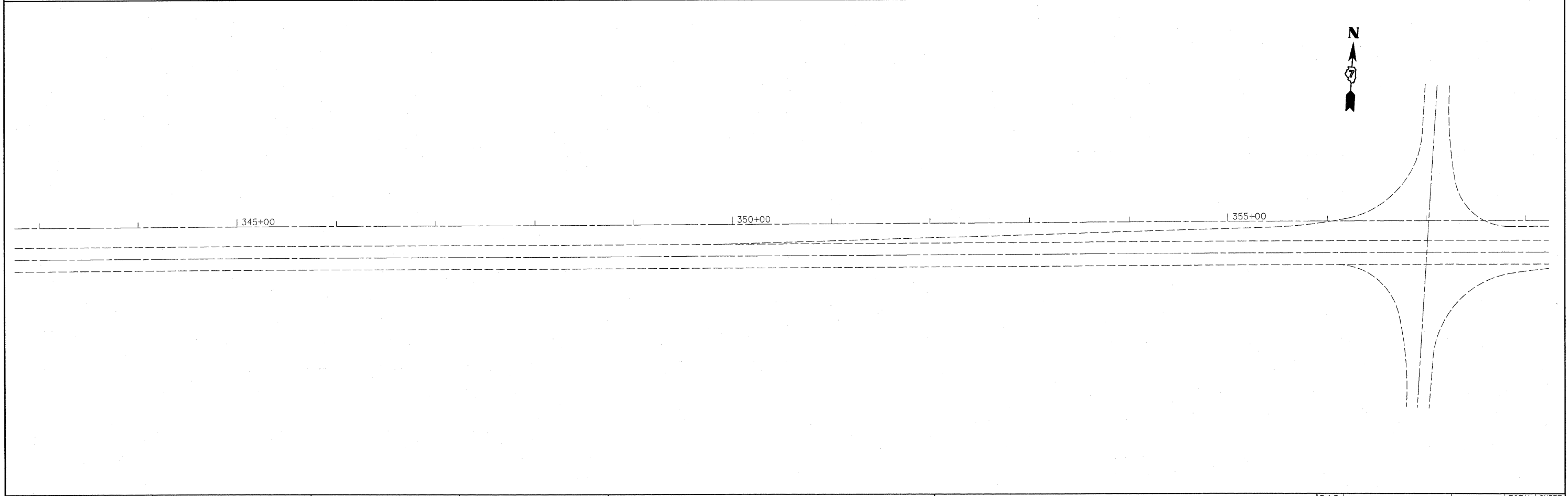
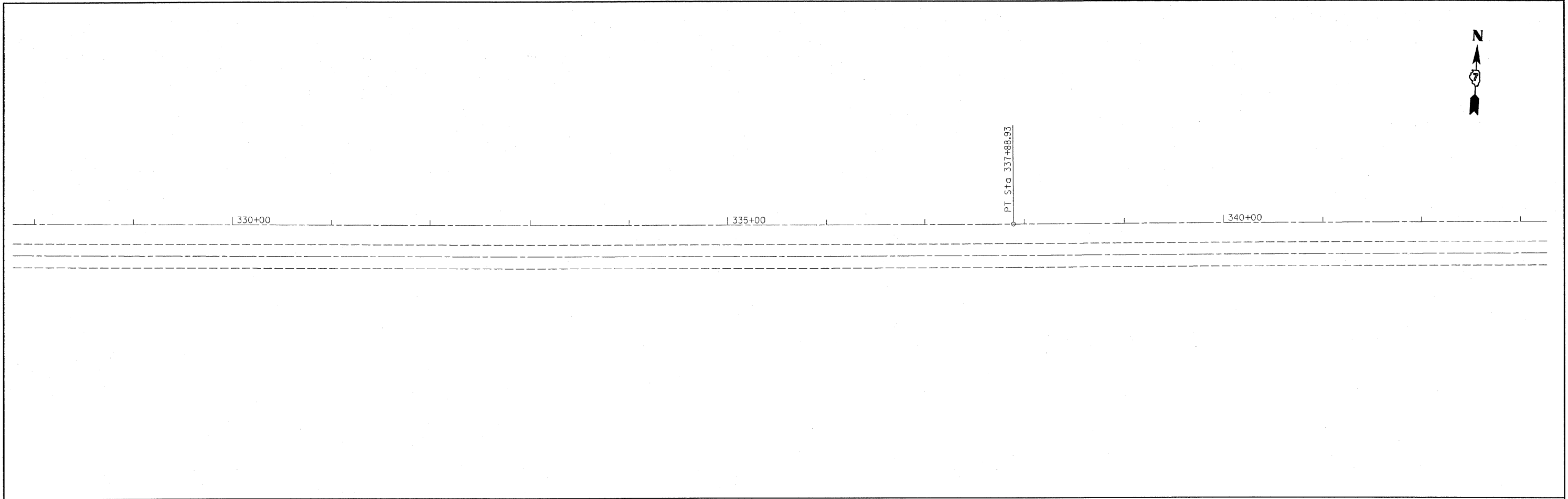


FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEET</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca\pwwork\pwwdot\swartzw\dms56917\d79	978-shr-plan.dgn	DRAWN -	REVISED -		327	(2-2,3-2,51-23)RS-1	LAWRENCE	40	23			
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -	SCALE: 50		SHEET NO. 8 OF 19 SHEETS	STA. 268+00 TO STA. 298+00	ILLINOIS FED. AID PROJECT					
PLOT DATE = 12/9/2010	DATE -	REVISED -										

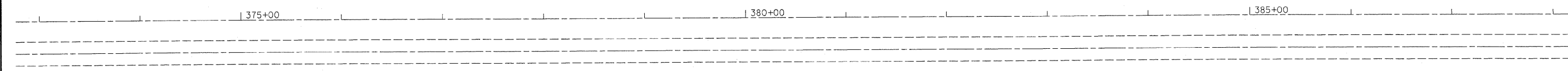
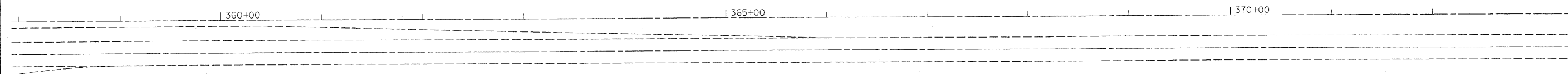


FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEET</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\swartzw\dms56917\d79	978-sht-plan.dgn	DRAWN -	REVISED -		327	(2-2,3-2,51-23)RS-1	LAWRENCE	40	24			
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -		SCALE: 50			SHEET NO. 9 OF 19 SHEETS STA. 298+00 TO STA. 328+00				
	PLOT DATE = 12/9/2010	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
CONTRACT NO. 94978												

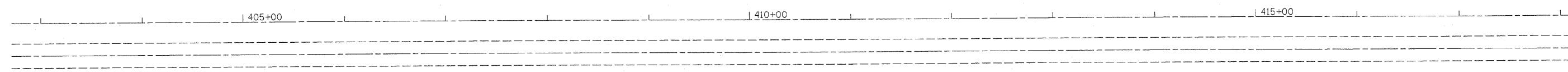
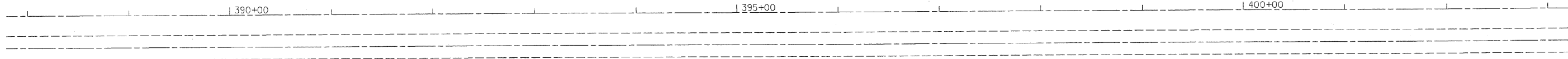




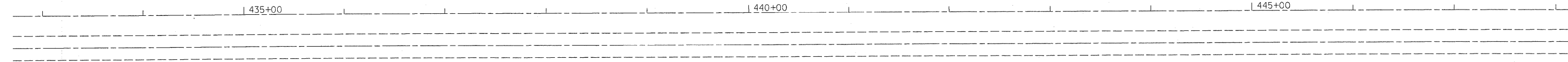
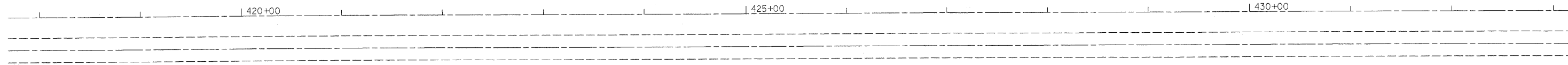
FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEET</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pw\work\p\idot\swartzw\dms56917\d79	978-sht-plan.dgn	DRAWN -	REVISED -		327	(2-2,3-2,51-23)RS-1	LAWRENCE	40	25			
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -		SCALE: 50			SHEET NO. 10 OF 19 SHEETS		STA. 328+00 TO STA. 358+00		
	PLOT DATE = 12/9/2010	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							
<b>CONTRACT NO. 94978</b>												



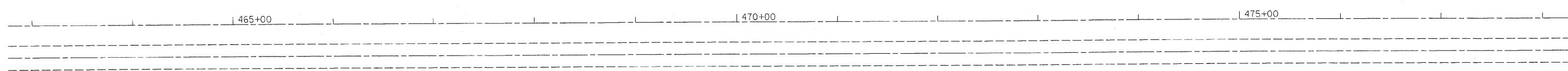
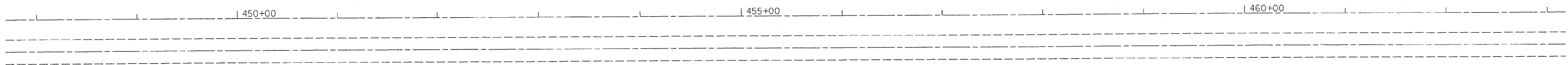
FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEET</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca\pv_work\p\dot\swartzw\dms96917\d79	978-shr-plan.dgn	DRAWN -	REVISED -		327	(2-2,3-2,51-23)RS-1	LAWRENCE	40	26			
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -		CONTRACT NO. 94978			ILLINOIS FED. AID PROJECT				
	PLOT DATE = 12/9/2010	DATE -	REVISED -		SCALE: 50	SHEET NO. 11 OF 19 SHEETS	STA. 358+00	TO STA. 388+00				



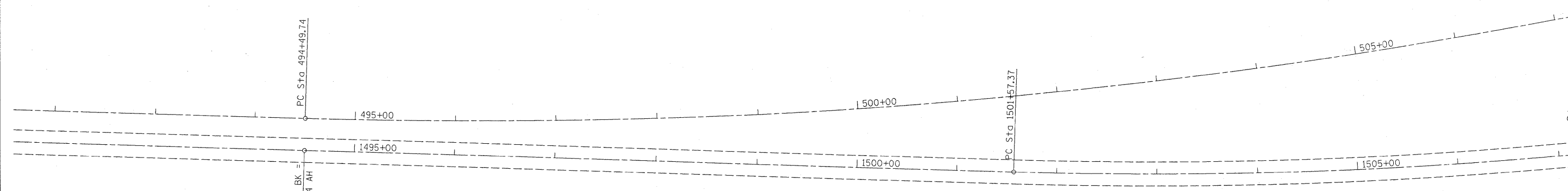
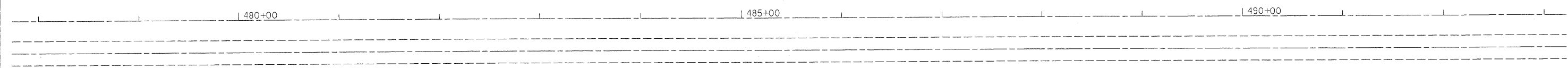
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ct:\pw_work\pw\dot\swartzw\dms56917\d79	978-shr-plan.dgn	DRAWN -	REVISED -		327	(2-2.3-2.51-23)RS-1	LAWRENCE	40	27			
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -	SCALE: 50		SHEET NO. 12 OF 19 SHEETS	STA. 388+00	TO STA. 418+00	ILLINOIS FED. AID PROJECT				
PLOT DATE = 12/9/2010	DATE -	REVISED -						CONTRACT NO. 94978				



FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEET</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
e:\pw\work\p\idot\swartzw\dms56917\d794978-sht-plan.dgn		DRAWN -	REVISED -		327	(2-2,3-2,51-23)RS-1	LAWRENCE	40	28			
PLOT SCALE = 50.0000 "/> <td></td> <td>CHECKED -</td> <td>REVISED -</td> <td colspan="3" style="text-align: center;">SCALE: 50    SHEET NO. 13 OF 19 SHEETS    STA. 418+00    TO STA. 448+00</td> <td colspan="3" style="text-align: center;">ILLINOIS FED. AID PROJECT</td>		CHECKED -	REVISED -		SCALE: 50    SHEET NO. 13 OF 19 SHEETS    STA. 418+00    TO STA. 448+00			ILLINOIS FED. AID PROJECT				
PLOT DATE = 12/9/2010		DATE -	REVISED -		CONTRACT NO. 94978							



FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEET</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca:\pw_work\pwidot\swartzw\dms56917\479978-shr-plan.dgn	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED -		SCALE: 50	SHEET NO. 14 OF 19 SHEETS	STA. 448+00	TO STA. 478+00	327	(2-2,3-2,51-23)RS-1	LAWRENCE	40	29
	PLOT DATE = 12/9/2010	CHECKED -	REVISED -										
		DATE -	REVISED -										
											ILLINOIS FED. AID PROJECT		



EQUATION:  
Sta 494+49.74 BK =  
Sta 1494+49.74 AH

EXIST. CURVE 2  
PI STA. = 506+99.86  
 $\Delta$  = 24° 37' 00" (LT)  
D = 1° 00' 00"  
R = 5,729.59'  
T = 1,250.12'  
L = 2,461.67'  
E = 134.80'  
e = -----  
T.R. = -----  
S.E. RUN = -----  
P.C. STA. = 494+49.74  
P.T. STA. = 519+11.41

EXIST. CURVE S1  
PI STA. = 1515+66.96  
 $\Delta$  = 34° 37' 00" (LT)  
D = 1° 16' 00"  
R = 4,523.34'  
T = 1,409.59'  
L = 2,732.89'  
E = 214.54'  
e = -----  
T.R. = -----  
S.E. RUN = -----  
P.C. STA. = 1501+57.37  
P.T. STA. = 1528+90.26

FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -
c:\pwork\pwork\swartzw\dms56917\d799978-sht-plan.dgn		DRAWN -	REVISED -
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 12/9/2010	DATE -	REVISED -

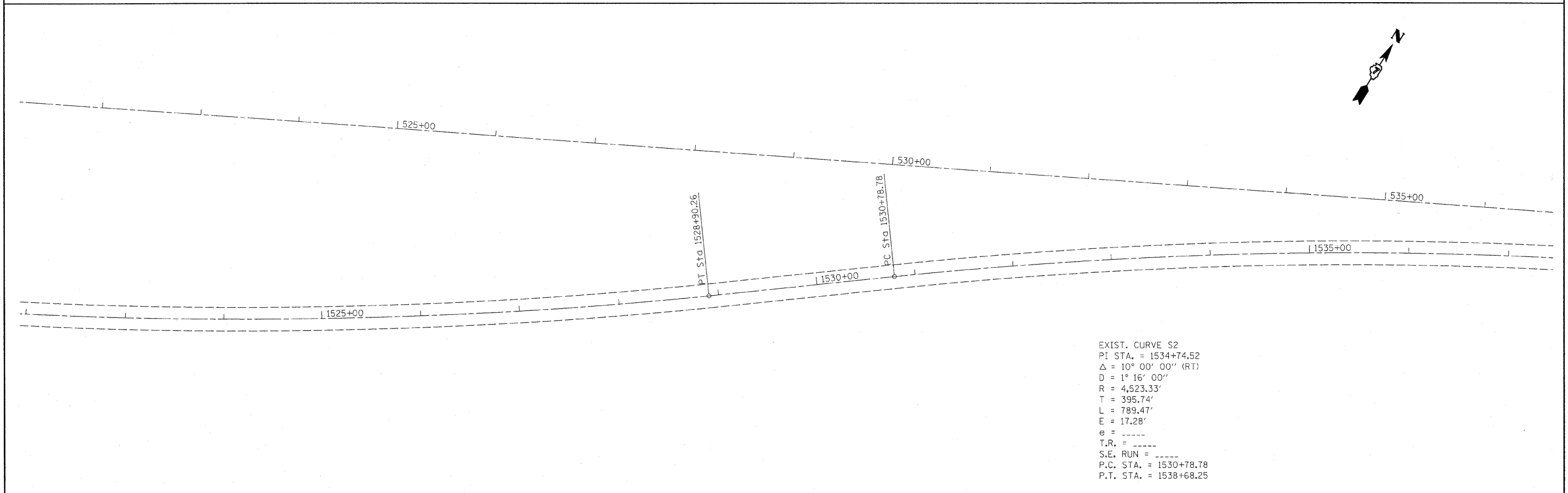
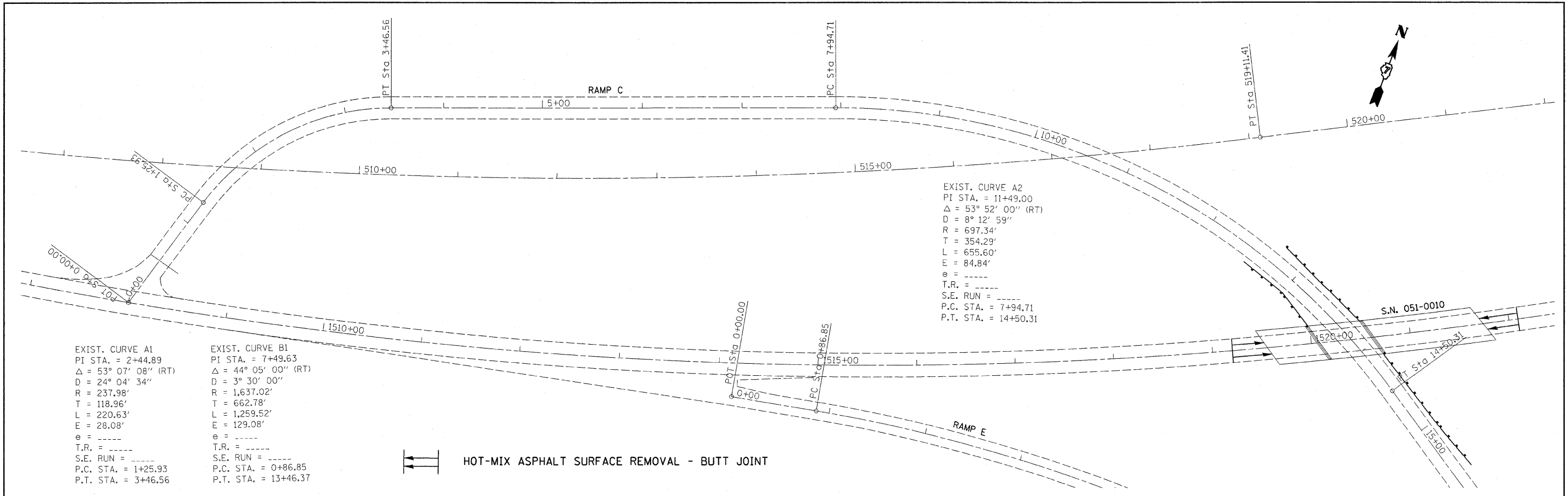
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET**

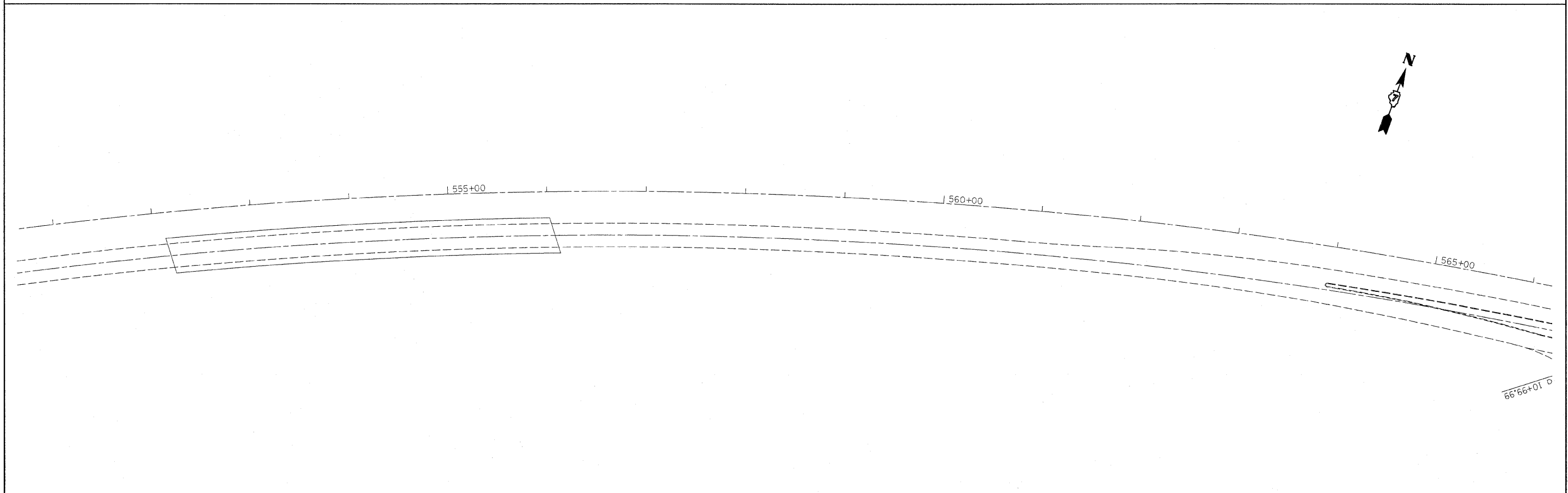
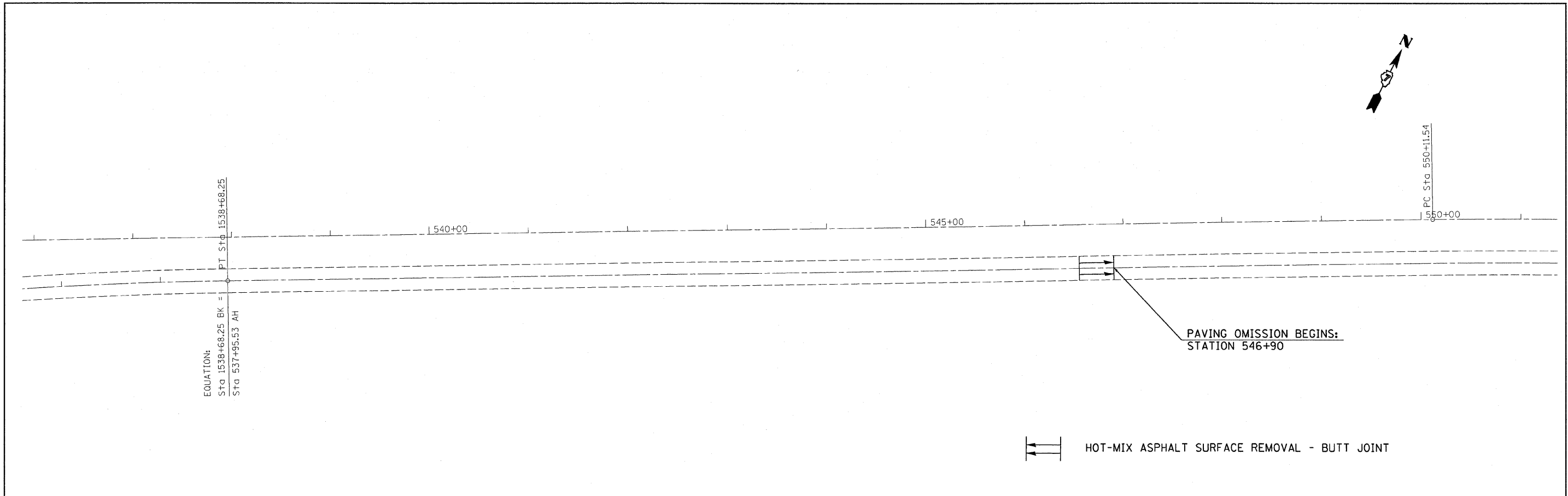
SCALE: 50      SHEET NO. 15 OF 19 SHEETS      STA. 478+00      TO STA. 507+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
327	(2-2,3-2,51-23)RS-1	LAWRENCE	40	30
ILLINOIS FED. AID PROJECT				

CONTRACT NO. 94978

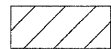


FILE NAME =	USER NAME = swartzrw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEET</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwwork\pwwork\swartzrw\dms56917\d794	978-shr-plot.dgn	DRAWN -	REVISED -		SCALE: 50	SHEET NO. 16 OF 19 SHEETS	STA. 502+00 TO STA. 536+00	327	(2-2,3-2,51-23)RS-1	LAWRENCE	40	31
	PLOT SCALE = 50.0000' / 1" IN.	CHECKED -	REVISED -		CONTRACT NO. 94978							
	PLOT DATE = 12/9/2010	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



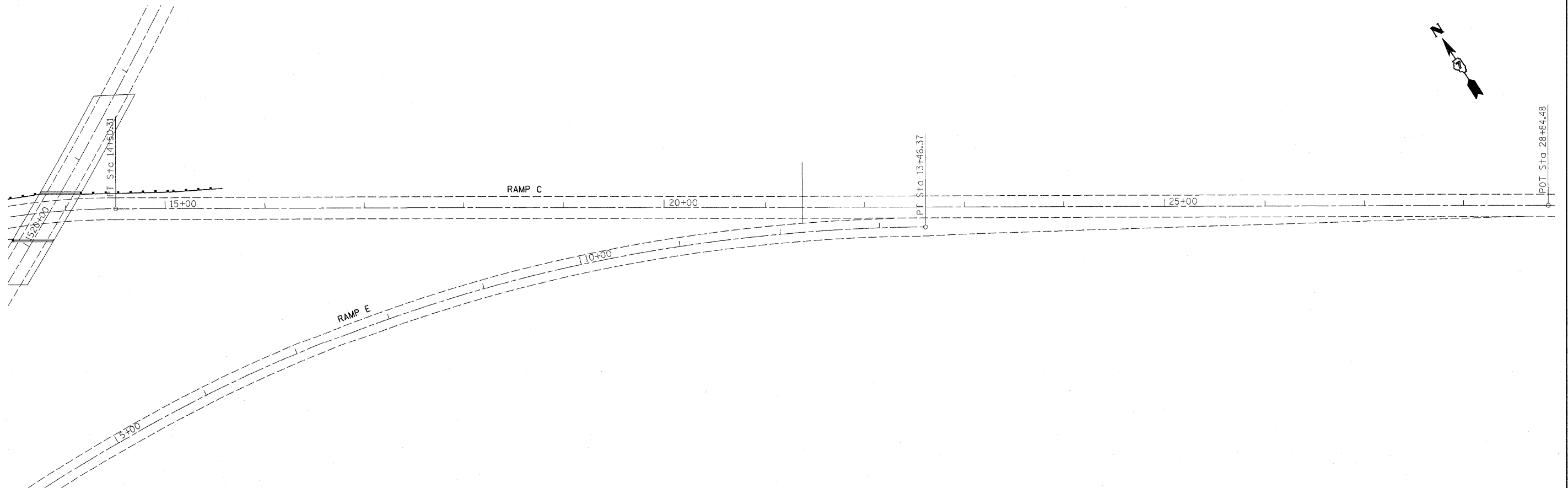
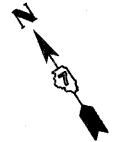
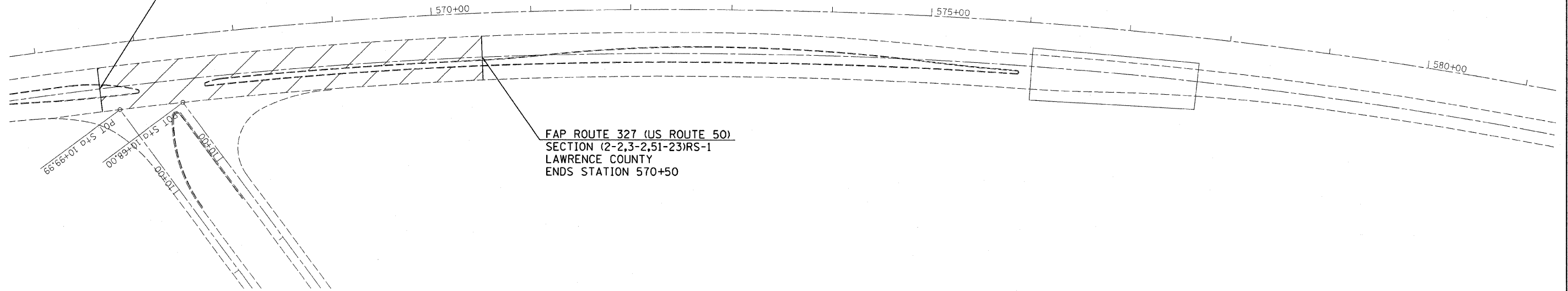
FILE NAME =	USER NAME = swartzr	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEET</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ci:\pwork\pwork\swartzr\dms56917\d79	978-sht\plan.dgn	DRAWN -	REVISED -		SCALE: 50	SHEET NO. 17 OF 19 SHEETS	STA. 536+00 TO STA. 546+90	327	(2-2,3-2,51-23)RS-1	LAWRENCE	40	32
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -		CONTRACT NO. 94978							
	PLOT DATE = 12/9/2010	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



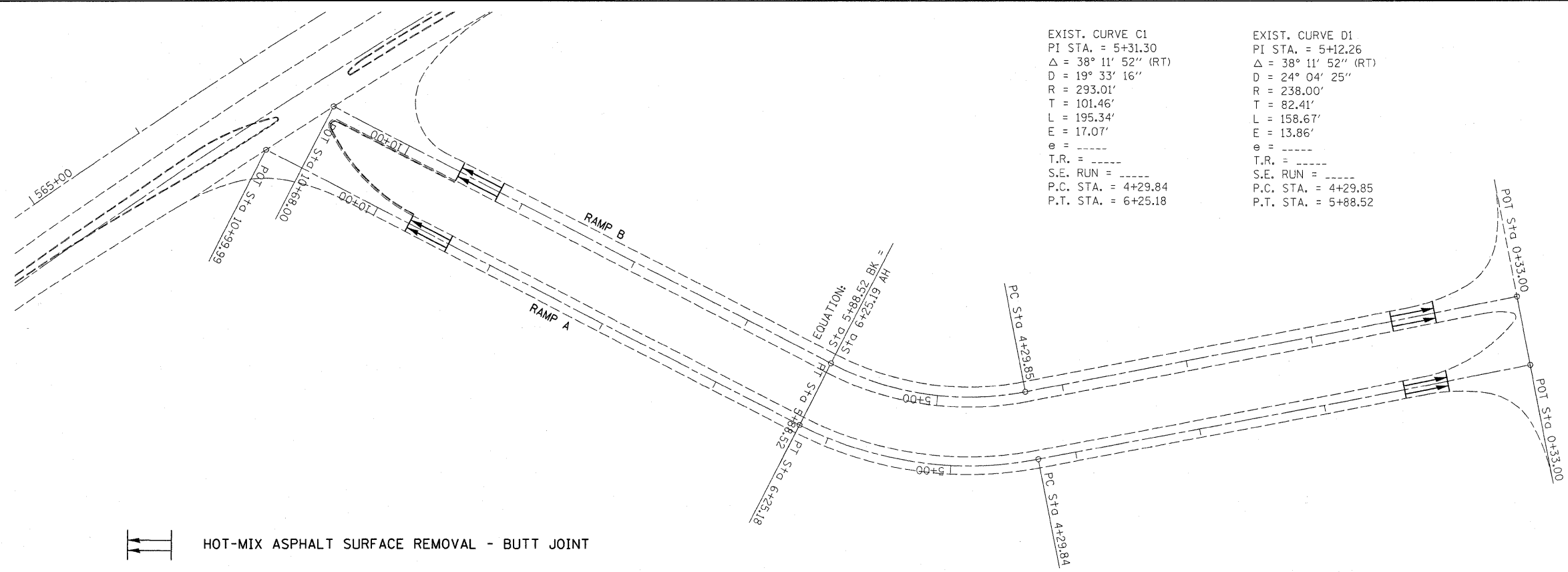
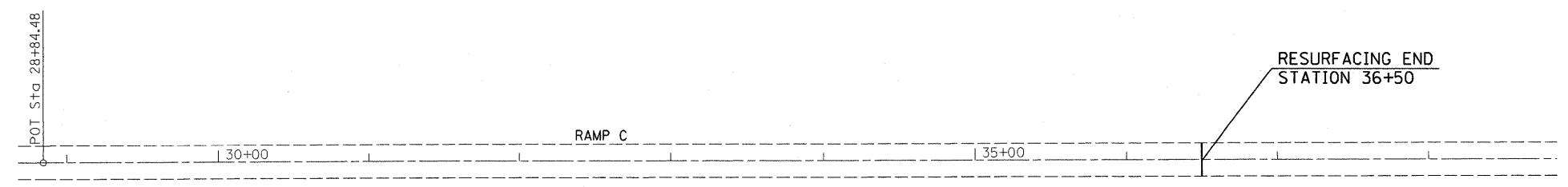
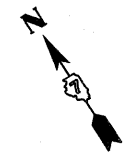
 HOT-MIX ASPHALT SURFACE REMOVAL (SPECIAL)



PAVING OMISSION ENDS:  
STATION 566+60



FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEET</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
cr:\pw_work\p\dot\swartzw\dms56917\d79	978-shr-plan.dgn	DRAWN -	REVISED -		SCALE: 50	SHEET NO. 18 OF 19 SHEETS	STA.	327	(2-2,3-2,51-23)RS-1	LAWRENCE	40	33
	PLOT SCALE = 60.0000' / IN.	CHECKED -	REVISED -				TO STA.					
	PLOT DATE = 12/9/2010	DATE -	REVISED -									
ILLINOIS FED. AID PROJECT											CONTRACT NO. 94978	

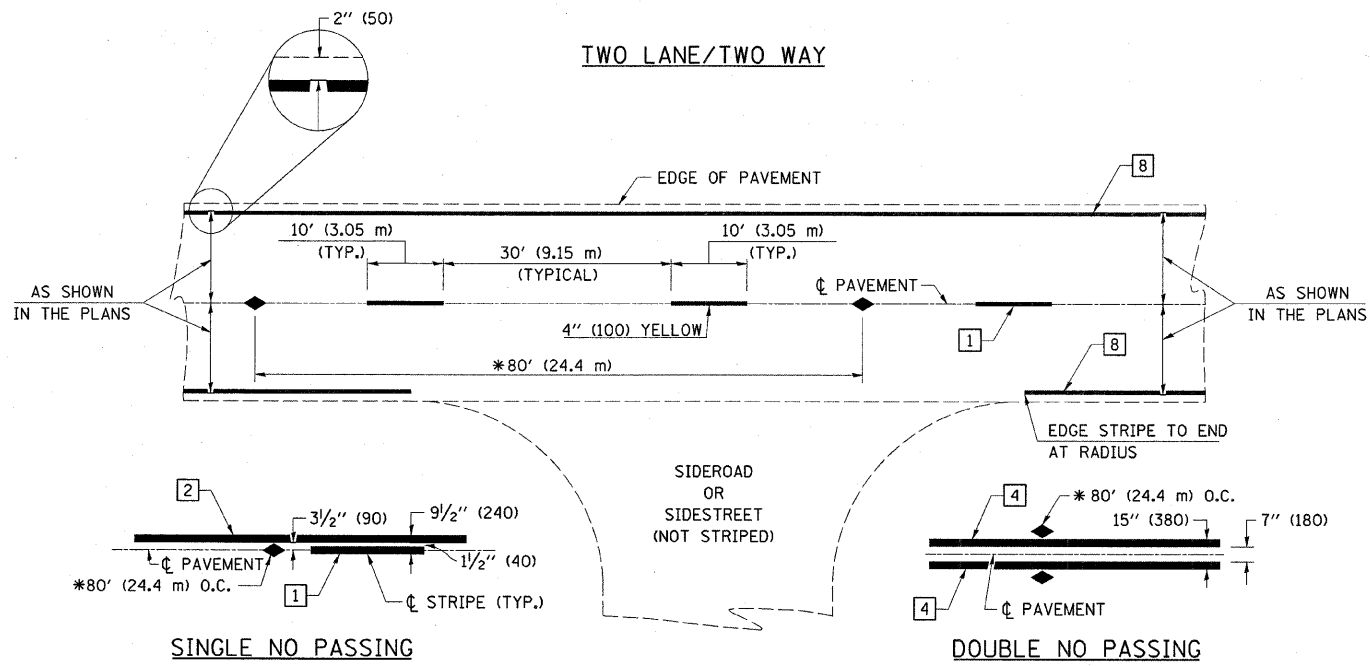


EXIST. CURVE C1  
 PI STA. = 5+31.30  
 $\Delta = 38^\circ 11' 52''$  (RT)  
 D = 19° 33' 16"  
 R = 293.01'  
 T = 101.46'  
 L = 195.34'  
 E = 17.07'  
 e = ----  
 T.R. = ----  
 S.E. RUN = ----  
 P.C. STA. = 4+29.84  
 P.T. STA. = 6+25.18

EXIST. CURVE D1  
 PI STA. = 5+12.26  
 $\Delta = 38^\circ 11' 52''$  (RT)  
 D = 24° 04' 25"  
 R = 238.00'  
 T = 82.41'  
 L = 158.67'  
 E = 13.86'  
 e = ----  
 T.R. = ----  
 S.E. RUN = ----  
 P.C. STA. = 4+29.85  
 P.T. STA. = 5+88.52

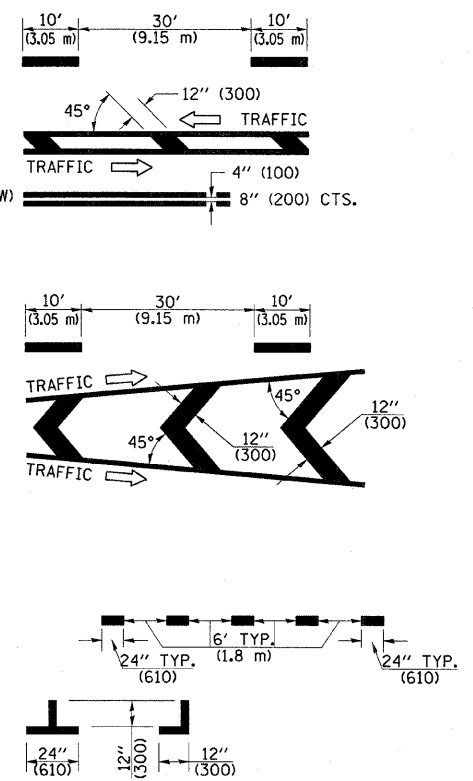


FILE NAME =	USER NAME = swartzrw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEET</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca\pwwork\pwwork\swartzrw\dms56917\d794978-shc-plan.dgn	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED -		327	(2-2,3-2,51-23)RS-1	LAWRENCE	40	34			
PLOT DATE = 12/9/2010	DATE -	CHECKED -	REVISED -		SCALE: 50 SHEET NO. 19 OF 19 SHEETS STA. TO STA.			CONTRACT NO. 94978				
					ILLINOIS FED. AID PROJECT							



**PAVEMENT MARKING LEGEND**

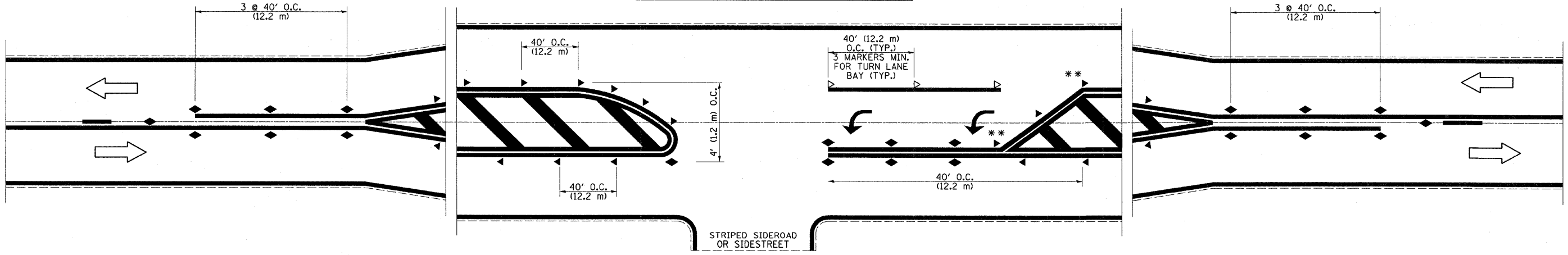
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)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



**TYPICAL PAVEMENT MARKERS LEGEND**

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

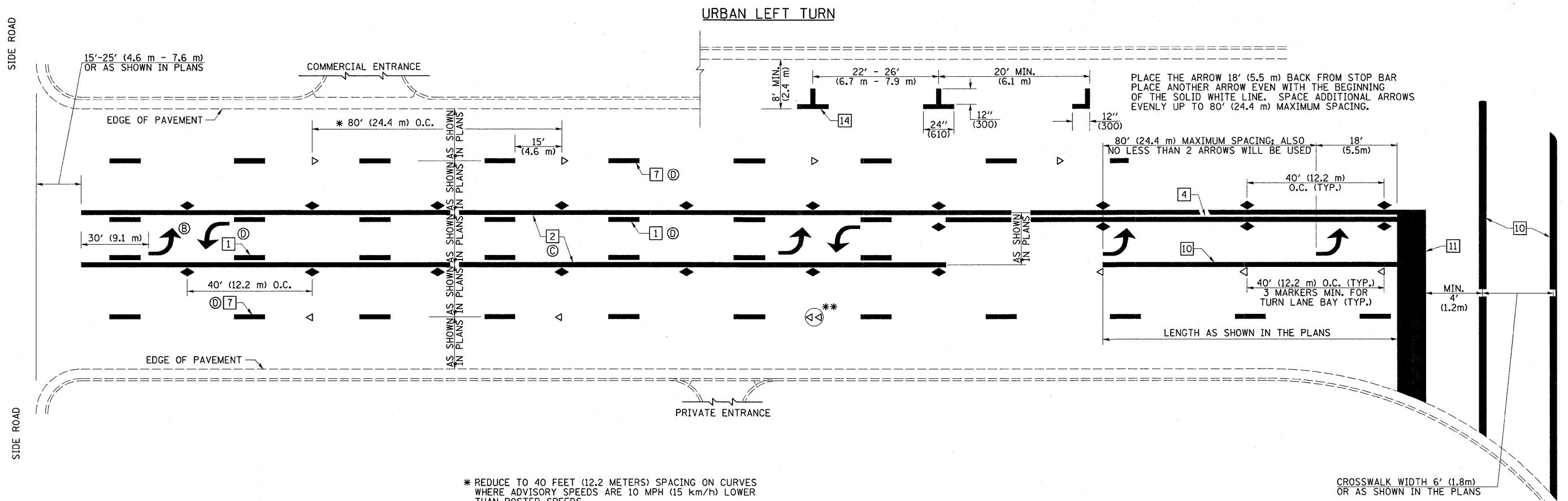
**RAISED REFLECTIVE PAVEMENT MARKERS**



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

NOT TO SCALE  
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL &amp; URBAN APPLICATIONS)</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
cr\pw_work\pwwdot\swartzw\dms56917\d79	978-shr-details.dgn	DRAWN -	REVISED -			327	(2-2,3-2,51-23)RS-1	LAWRENCE	40	35	
PLOT SCALE = 50.0000 "/td> <td>IN.</td> <td>CHECKED -</td> <td>REVISED -</td> <td colspan="6" style="text-align: center;">CONTRACT NO. 94978</td>	IN.	CHECKED -	REVISED -			CONTRACT NO. 94978					
PLOT DATE = 12/9/2010	DATE -	REVISED -	REVISED -			ILLINOIS FED. AID PROJECT					



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

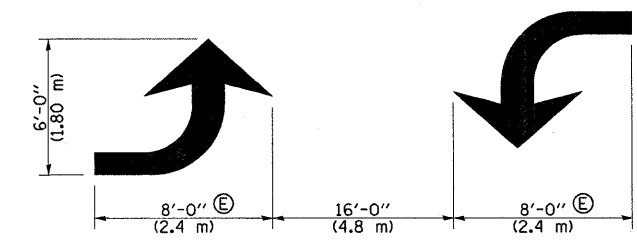
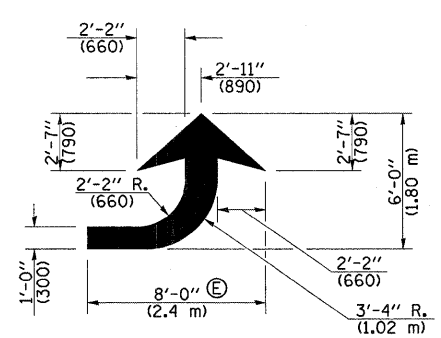
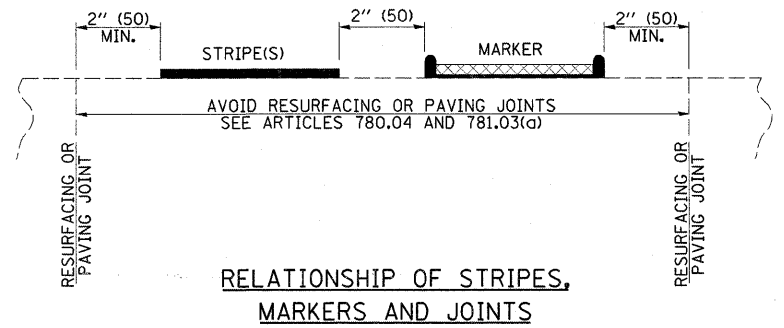
\*\* DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

**PAVEMENT MARKING LEGEND**

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

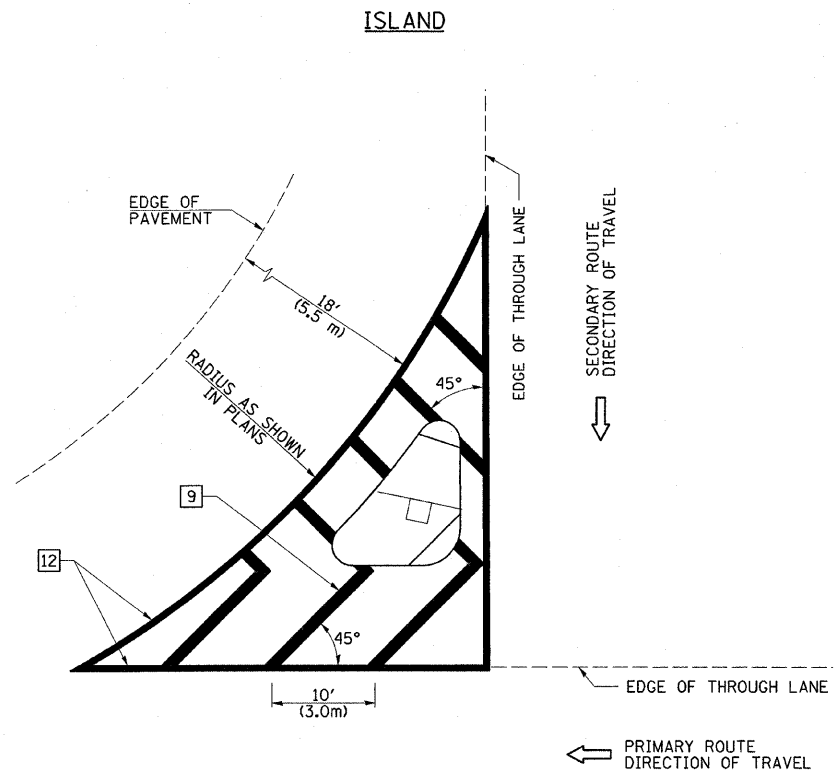
**GENERAL NOTES**

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



NOT TO SCALE  
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL &amp; URBAN APPLICATIONS)</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca:\pw\work\p\dot\swartzw\dms56917\d794978-sht-details.dgn	PLOT SCALE = 50,0000 ' / IN.	DRAWN -	REVISED -			327	(2-2,3-2,51-23)RS-1	LAWRENCE	40	36	
PLOT DATE = 12/9/2010	DATE -	CHECKED -	REVISED -			CONTRACT NO. 94978					
						ILLINOIS FED. AID PROJECT					



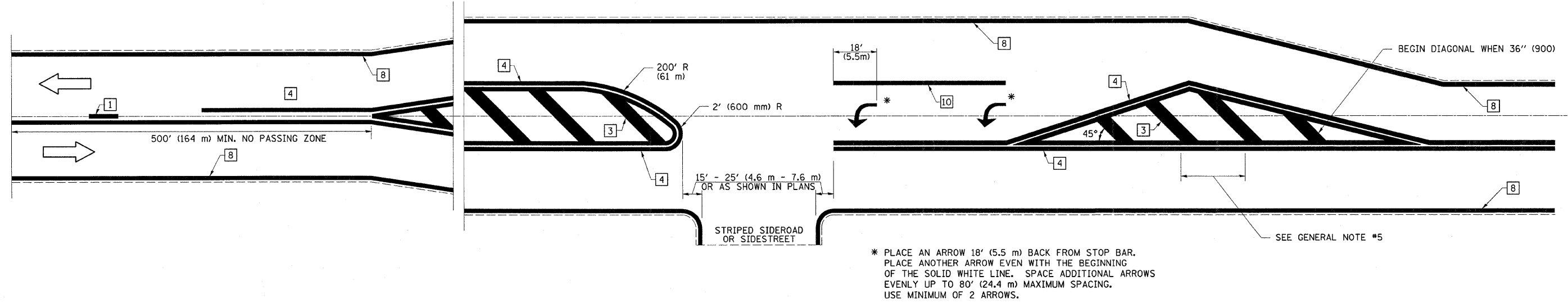
**GENERAL NOTES**

1. RAISED AND CORRUGATED MEDIANS SHALL BE OUTLINED WITH [2] IF PRESENT.
  2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
  3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
  4. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
  5. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING:
- |                        |             |
|------------------------|-------------|
| < 30 MPH (< 50 km/h)   | 15' (4.5 m) |
| 30-45 MPH (50-75 km/h) | 20' (6.0 m) |
| > 45 MPH (> 75 km/h)   | 30' (9.0 m) |

**PAVEMENT MARKING LEGEND**

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

**RURAL LEFT TURN STRIPING**



\* PLACE AN ARROW 18' (5.5 m) BACK FROM STOP BAR. PLACE ANOTHER ARROW EVEN WITH THE BEGINNING OF THE SOLID WHITE LINE. SPACE ADDITIONAL ARROWS EVENLY UP TO 80' (24.4 m) MAXIMUM SPACING. USE MINIMUM OF 2 ARROWS.

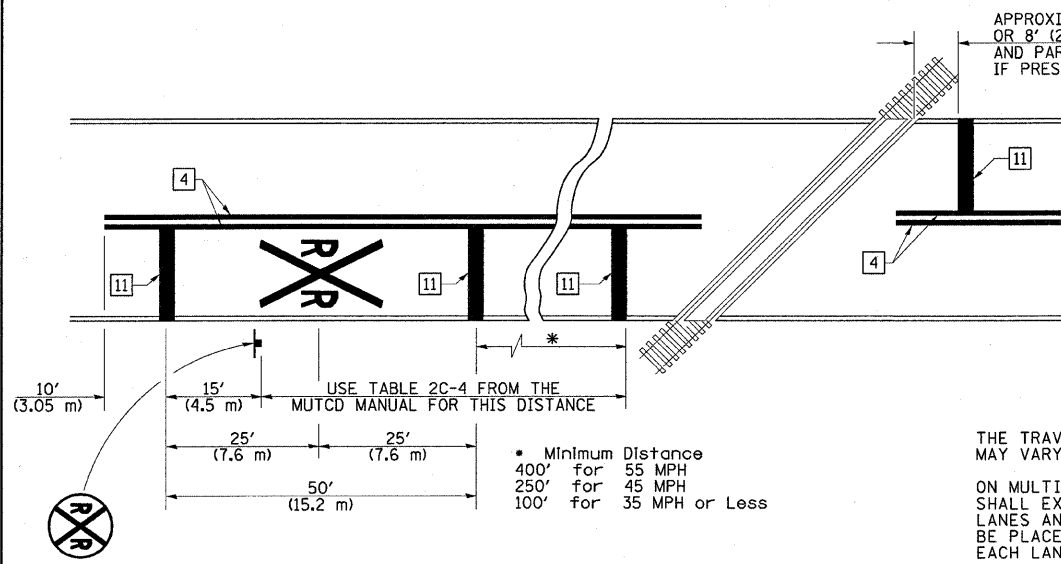
NOT TO SCALE

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

FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL &amp; URBAN APPLICATIONS)</b>	F.A.P. NO. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\pwwork\swartzw\dms56917\d79	978-shd-detail.dgn	DRAWN -	REVISED -			327	(2-2,3-2,51-23)RS-1	LAWRENCE	40	37
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -	ILLINOIS FED. AID PROJECT			CONTRACT NO. 94978				
PLOT DATE = 12/9/2010	DATE -	REVISED -	SCALE: NA			SHEET NO. 3 OF 4 SHEETS	STA. TO STA.			

**DISTRICT 7 DETAIL NO. 7800001**

PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

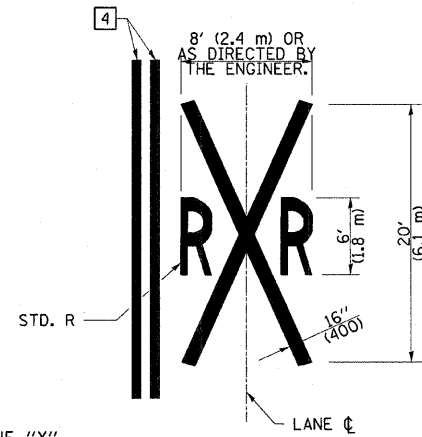


NOTES

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

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

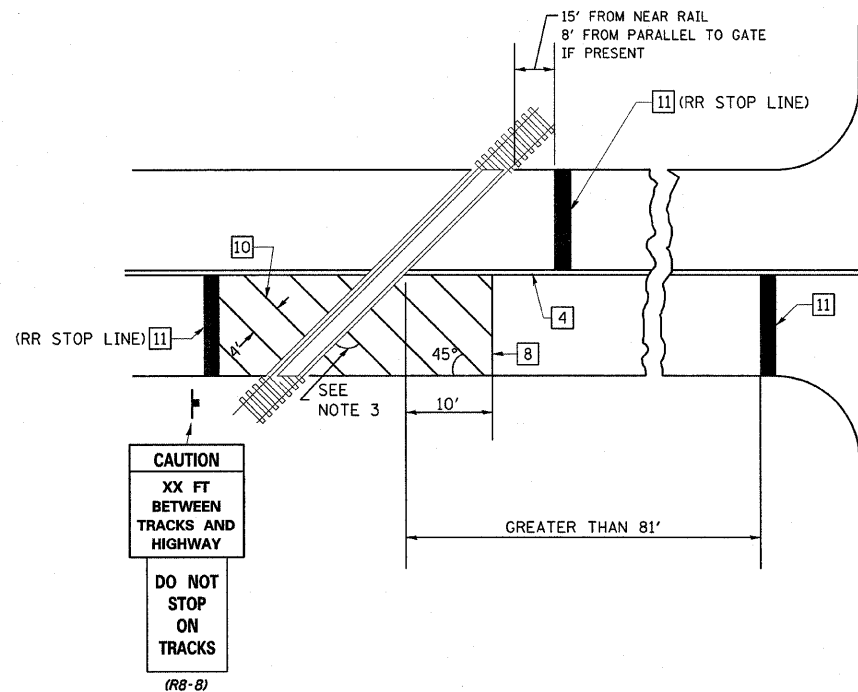
WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.



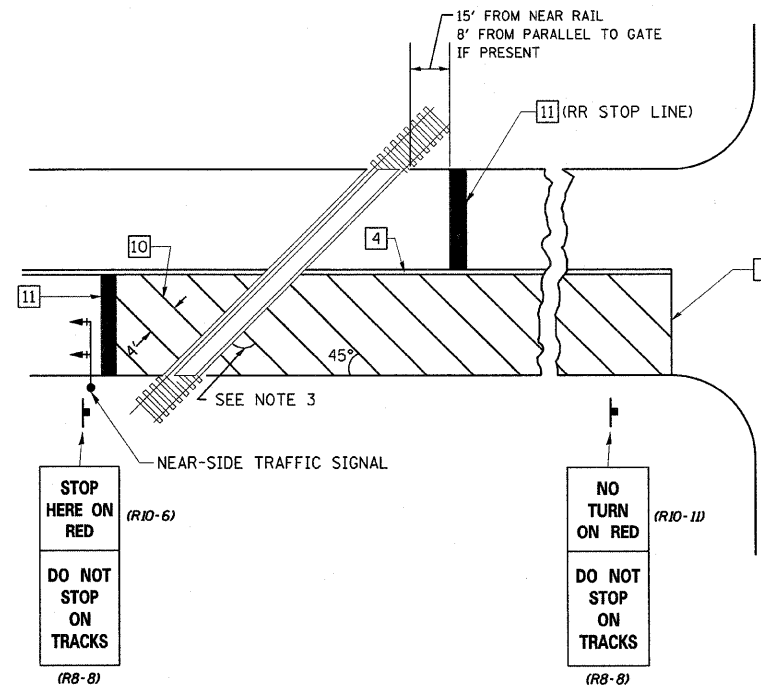
PAVEMENT MARKING LEGEND

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

RAILROAD CROSSING WITH INTERCONNECT ONLY



RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



GENERAL NOTES

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

SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

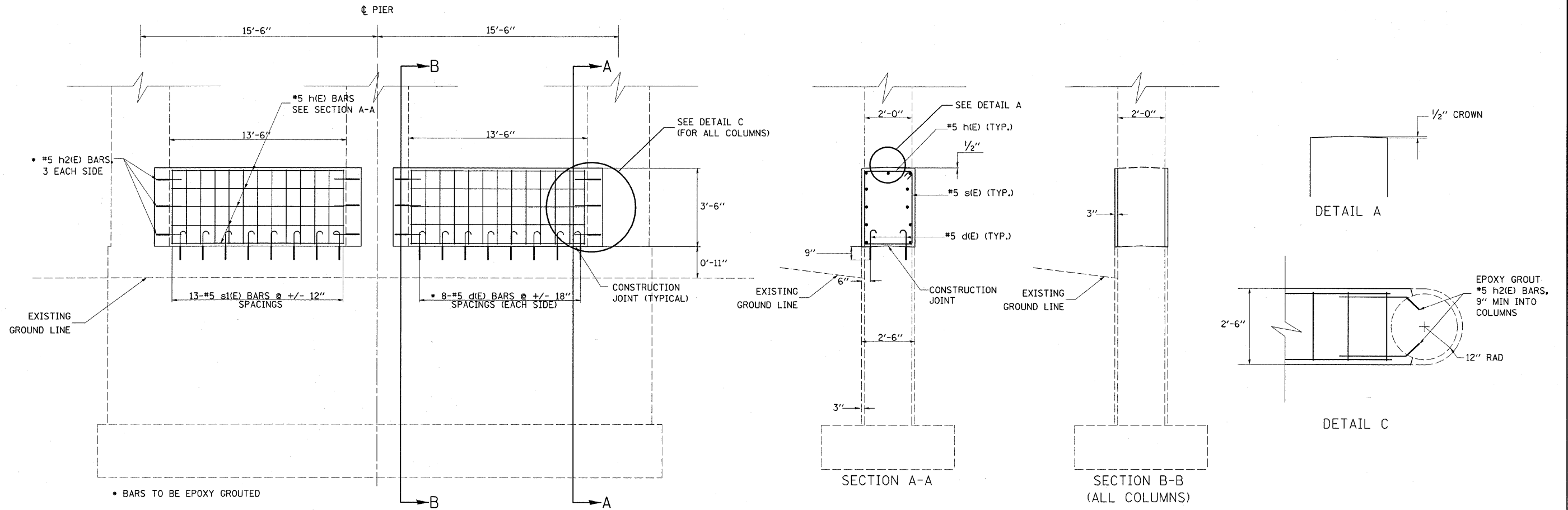
NOT TO SCALE

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

DISTRICT 7 DETAIL NO. 7800001

FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS (RURAL &amp; URBAN APPLICATIONS)</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwork\pwork\swartzw\dms56917\d794978-sht-details.dgn	PLOT SCALE = 50,0000 / IN.	DRAWN -	REVISED -			327	(2-2,3-2,51-23)RS-1	LAWRENCE	40	38	
PLOT DATE = 12/9/2010	DATE -	CHECKED -	REVISED -			CONTRACT NO. 94978					
						ILLINOIS FED. AID PROJECT					

# DETAIL OF CRASHWALL EXTENSION

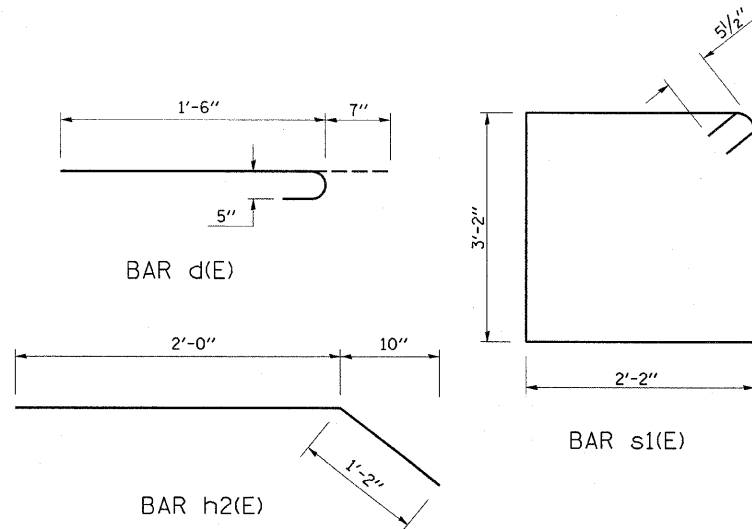


BAR TABLE

BAR	QTY.	SIZE	LENGTH	SHAPE
d(E)	32	#5	2'-1"	
s1(E)	26	#5	11'-7"	
h(E)	22	#5	13'-2"	
h2(E)	24	#5	3'-2"	

BILL OF MATERIALS

ITEM	UNIT	QUANTITY
CONCRETE STRUCTURES	CU.YD.	8.9
REINFORCEMENT BARS, EPOXY COATED	LB.	770



*David Carl Puzey*  
Expires 11/30/2012

## GENERAL NOTES

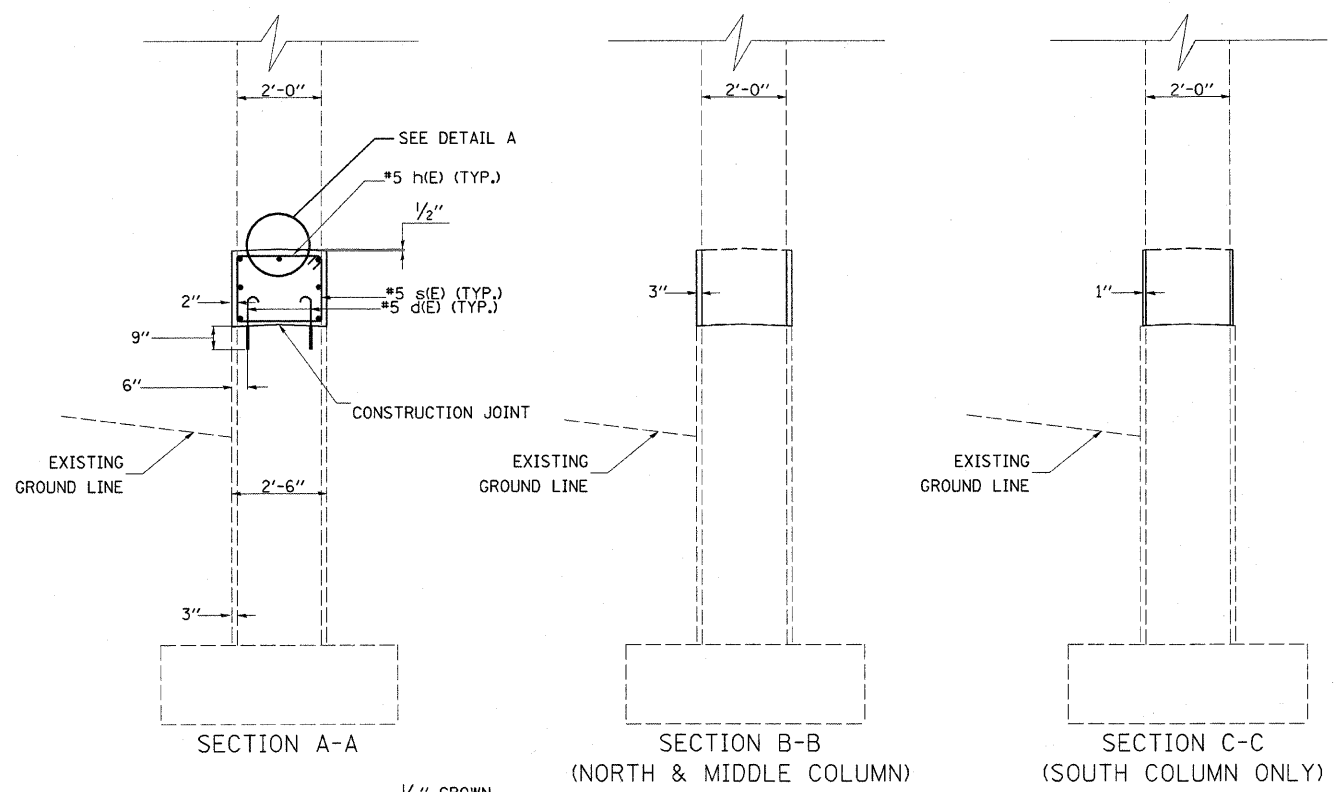
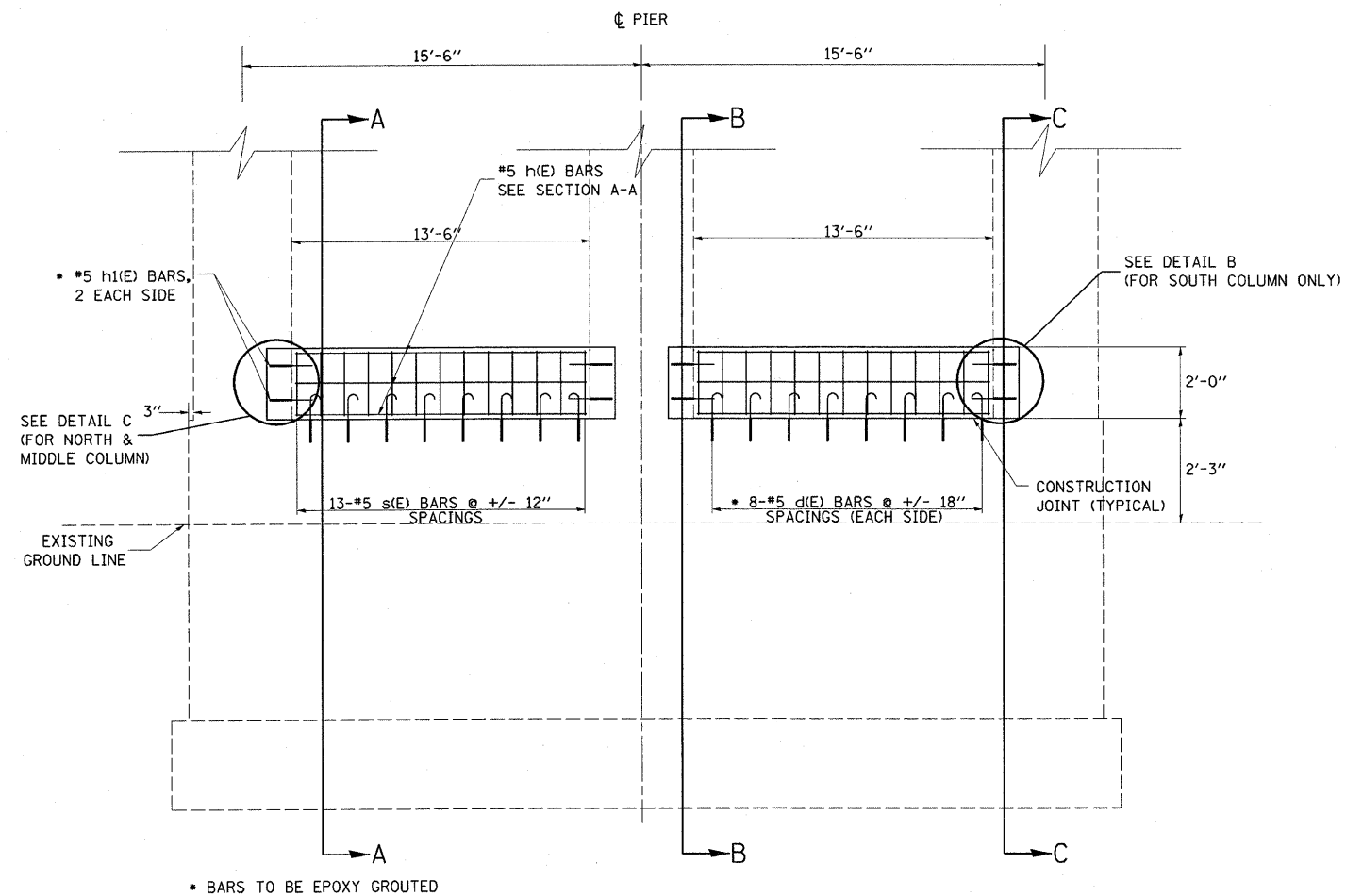
EPOXY GROUTING SHALL BE DONE IN ACCORDANCE WITH ARTICLE 584 OF THE STANDARD SPECIFICATIONS. THE DRILLED HOLES FOR THE BARS SHALL BE 1/4" LARGER THAN THE DIAMETER OF THE BAR. THE COST OF THE EPOXY GROUTING AND DRILLING SHALL BE INCLUDED IN THE COST OF REINFORCEMENT BARS, EPOXY COATED.

REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A 706 Gr 60, SEE SPECIAL PROVISIONS

PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE FOR THE WORK.

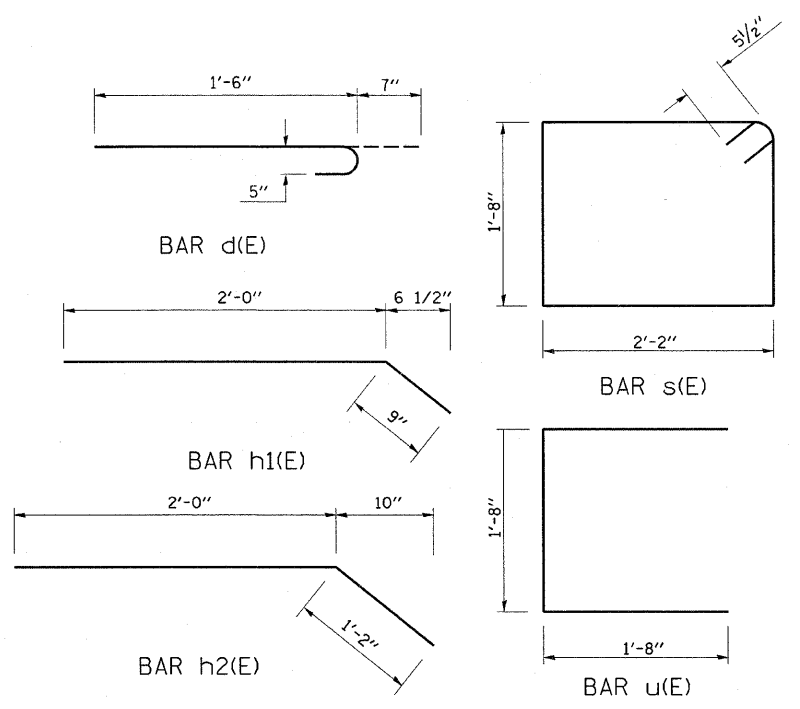
REINFORCEMENT BARS LABELED (E) ARE EPOXY COATED BARS

# DETAIL OF CRASHWALL EXTENSION



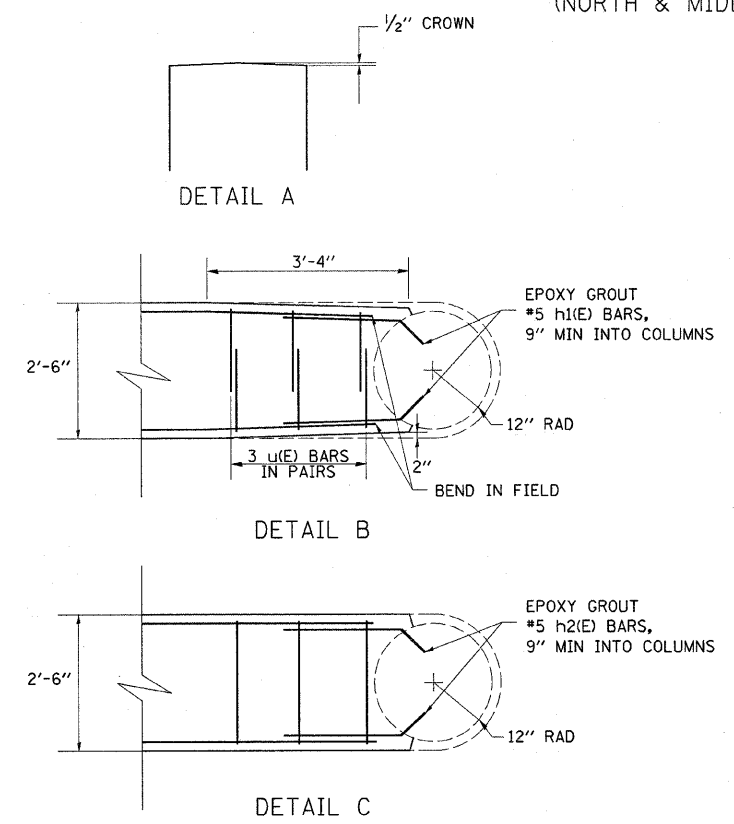
**BAR TABLE**

BAR	QTY.	SIZE	LENGTH	SHAPE
d(E)	32	#5	2'-1"	
s(E)	23	#5	8'-7"	
h(E)	14	#5	13'-2"	
h1(E)	4	#5	2'-9"	
h2(E)	12	#5	3'-2"	
u(E)	6	#5	5'-0"	



**BILL OF MATERIALS**

ITEM	UNIT	QUANTITY
CONCRETE STRUCTURES	CU.YD.	5.1
REINFORCEMENT BARS, EPOXY COATED	LB.	550



**GENERAL NOTES**

EPOXY GROUTING SHALL BE DONE IN ACCORDANCE WITH ARTICLE 584 OF THE STANDARD SPECIFICATIONS. THE DRILLED HOLES FOR THE #5 h(E) BARS SHALL BE 1/4" LARGER THAN THE DIAMETER OF THE BAR. THE COST OF THE EPOXY GROUTING AND DRILLING SHALL BE INCLUDED IN THE COST OF REINFORCEMENT BARS, EPOXY COATED.

REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A 706 Gr 60, SEE SPECIAL PROVISIONS

PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE FOR THE WORK.

REINFORCEMENT BARS LABELED (E) ARE EPOXY COATED BARS