

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	(18Z,J)RS-3	EFFINGHAM	38	1
FED. ROAD DIST. NO.		ILLINOIS	CONTRACT NO. 74254	

D-97-044-07

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

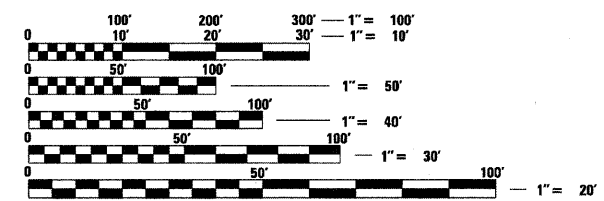
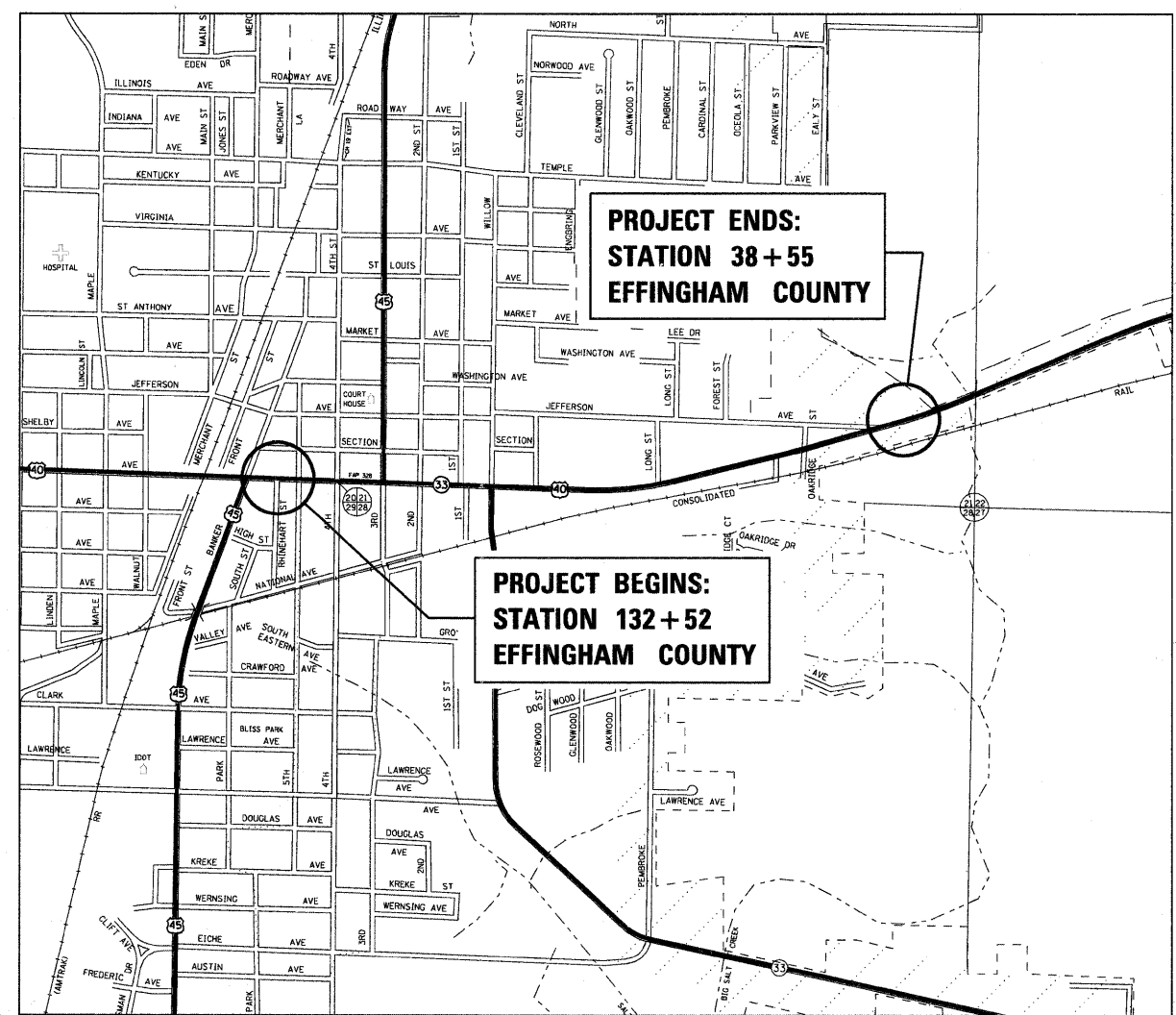
**PROPOSED  
HIGHWAY PLANS**

FAP ROUTE 95 (US 40)  
SECTION (18Z,J)RS-3  
PROJECT F-0095(053)  
EFFINGHAM COUNTY  
C-97-084-07

FOR INDEX OF SHEETS, SEE SHEET NO. 2

2007 ADT = 10,300

**STATION EQUATIONS:**  
STA. 134 + 96.09 (BK) = STA. 34 + 92.62 (AH)  
STA. 88 + 97.98 (BK) = STA. 35 + 93.74 (AH)



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: MARK DAUGHERTY  
SQUAD LEADER: MYRA OLTMAN

CONTRACT NO. 74254

**PROJECT ENDS:  
STATION 38 + 55  
EFFINGHAM COUNTY**

**PROJECT BEGINS:  
STATION 132 + 52  
EFFINGHAM COUNTY**

GROSS LENGTH OF PROJECT = 5910 FT. = 1.10 MILE  
NET LENGTH OF PROJECT = 5910 FT. = 1.10 MILE

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED March 19 2009

*Ron L. Swindle*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 8, 2009  
*Charles S. Ingessoll*  
ENGINEER OF DESIGN AND ENVIRONMENT

May 8, 2009  
*Christine M. Reed*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

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36	DETECTOR LOOP DETAIL AT WILLOW STREET
37	TYPICAL APPLICATION OF DETECTOR LOOPS
38	SURVEY MONUMENT COVER ASSEMBLY

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED AFTER SHEET NO. 38.

STD. NO.	DESCRIPTION
000001-05	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
420701-02	PAVEMENT FABRIC
442201-03	CLASS C AND D PATCHES
602301-02	INLET, TYPE A
604006-04	FRAME AND GRATE, TYPE 3
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
667101-01	PERMANENT SURVEY MARKERS
701301-03	LANE CLOSURE, 2L, 2W SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS, DAY ONLY
701426-03	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATIONS FOR SPEEDS OF > 45 MPH
701501-05	URBAN LANE CLOSURE, 2L 2W, UNDIVIDED
701606-06	URBAN LANE CLOSURE, 2W WITH MOUNTABLE MEDIAN
701701-06	URBAN LANE CLOSURE MULTILANE INTERSECTION
701801-04	LANE CLOSURE MULTILANE 1 W OR 2 WAY CROSSWALK OR SIDE CLOSURE
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUT FOR DETECTION LOOPS

## GENERAL NOTES

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

THIS PROJECT IS LOCATED ON US ROUTE 40 IN EFFINGHAM COUNTY BEGINNING AT RINEHART STREET AND EXTENDING EAST FOR 1.1 MILES TO SALT CREEK. THE WORK INCLUDED IN SECTION (18Z, J)RS-3 CONSISTS OF PAVEMENT PATCHING, HOT-MIX ASPHALT SURFACE REMOVAL, HOT-MIX ASPHALT RESURFACING, DETECTOR LOOPS, INLET ADJUSTMENT, PAVEMENT MARKING, AND ANY OTHER WORK NECESSARY TO COMPLETE THE SECTION. THE CONCRETE RIGHT TURN LANE AT WILLOW STREET LOCATED FROM STATION 49+38 TO STATION 51+49 WILL BE OMITTED FROM THIS PROJECT.

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 ONLY. THE FINAL LOCATIONS AND QUANTITY SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD.

WHERE INLETS AND GRATES ARE NOT DESIGNATED TO BE ADJUSTED W/ NEW TY3 F&G, THE HOT-MIX ASPHALT RESURFACING SHALL BE TAPERED TO MEET THE EDGE OF THE GRATE.

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, AND HOT-MIX ASPHALT SURFACE COURSE AS SPECIFIED IN SECTION 703 OF THE STANDARD SPECIFICATIONS. WET REFLECTIVE TEMPORARY TAPE SHALL BE USED ON THE SURFACE COURSE AND PAINT SHALL BE USED ON MILLED SURFACES.

THE TOTAL QUANTITY OF THERMOPLASTIC PAVEMENT MARKING TYPE II - LINE 4" CONSISTS OF 2048 FEET OF YELLOW AND 17846 FEET OF WHITE.

THE TOTAL QUANTITY OF THERMOPLASTIC PAVEMENT MARKING TYPE II - LINE 6" CONSISTS OF 2790 FEET OF WHITE.

THE TOTAL QUANTITY OF THERMOPLASTIC PAVEMENT MARKING TYPE II - LINE 12" CONSISTS OF 272 FEET OF YELLOW.

THE TOTAL QUANTITY OF THERMOPLASTIC PAVEMENT MARKING TYPE II - LINE 24" CONSISTS OF 292 FEET OF WHITE

THE TOTAL QUANTITY OF THERMOPLASTIC PAVEMENT MARKING TYPE II - LETTERS AND SYMBOLS CONSISTS OF 352 SQUARE FEET OF WHITE.

THE TOTAL QUANTITY OF RAISED REFLECTIVE PAVEMENT MARKERS IS 216 TWO-WAY AMBER AND 51 OF ONE -WAY CRYSTAL.

THE CONTRACTOR SHALL USE EITHER RC-70 OR AN EMULSIFIED POLYMER PRIME SS-1HP FOR THE PAY ITEM BITUMINOUS MATERIALS (PRIME COAT).

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.

VIBRATORY ROLLERS IN DYNAMIC MODE WILL NOT BE PERMITTED.

THE PAY ITEMS TEMPORARY RAMP & TEMPORARY RAMP, SPECIAL HAVE BEEN INCLUDED FOR THE CONSTRUCTION OF TEMPORARY RAMPS IN ACCORDANCE WITH ARTICLE 406.08 OF THE STANDARD SPECIFICATIONS AND AS SPECIFIED IN THE SPECIAL PROVISIONS. THE COST SHALL INCLUDE BOTH THE INSTALLATION AND THE REMOVAL OF THE TEMPORARY RAMPS.

TEMPORARY HMA TAPERS WILL BE REQUIRED IMMEDIATELY AFTER THE HOT-MIX ASPHALT SURFACE REMOVAL OPERATION HAS BEEN PREFORMED AND ANY SUBSEQUENT RESURFACING OPERATION NEEDING TEMPORARY TAPERS. THE CONTRACTOR SHALL CONSTRUCT TEMPORARY TAPERS (MIN. 2 FEET IN LENGTH) AT MANHOLES AND VALVE VAULTS. THIS WORK WILL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT ITEMS INVOLVED AND NO EXTRA COMPENSATION WILL BE ALLOWED.

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 THE SAME DEPTH AS THE HOT-MIX ASPHALT SURFACE REMOVAL. THIS WORK WILL BE CONSIDERED INCLUDED IN THE COST OF THE CONTRACT ITEMS INVOLVED AND NO EXTRA COMPENSATION WILL BE ALLOWED.

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

THE RESIDENT ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE CURING TIME FOR THE HOT-MIX ASPHALT LEVELING BINDER AND SURFACE COURSE.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

SURFACE MIX (1 1/2")

APPLICATION: HOT MIX ASPHALT SURFACE COURSE, MIX "D" N90  
 PG GRADE: PG 64-22  
 DESIGN AIR VOIDS: 4.0% @ NDESIGN = 90  
 MIXTURE COMPOSITION: IL-9.5  
 FRICTION AGGREGATE: MIXTURE D

LEVEL BINDER (3/4")

APPLICATION: LEVELING BINDER (MACHINE METHOD) N90  
 PG GRADE: PG 64-22  
 DESIGN AIR VOIDS: 4.0% @ NDESIGN = 90  
 MIXTURE COMPOSITION: IL- 9.5  
 FRICTION AGGREGATE: N/A

BITUMINOUS SHOULDERS (2 1/4")

APPLICATION: HOT MIX ASPHALT SHOULDERS  
 PG GRADE: PG 58-22  
 DESIGN AIR VOIDS: 4.0% @ NDESIGN = 30  
 MIXTURE COMPOSITION: IL- 9.5L  
 FRICTION AGGREGATE: MIXTURE C

INCIDENTAL SURFACING, (2 1/4")

APPLICATION: LEVELING BINDER (MACHINE METHOD) N90, (3/4")  
 PG GRADE: PG 64-22  
 DESIGN AIR VOIDS: 4.0% @ NDESIGN = 90  
 MIXTURE COMPOSITION: IL- 9.5  
 FRICTION AGGREGATE: N/A

APPLICATION: HOT MIX ASPHALT SURFACE COURSE, MIX "D" N90, (1 1/2")  
 PG GRADE: PG 64-22  
 DESIGN AIR VOIDS: 4.0% @ NDESIGN = 90  
 MIXTURE COMPOSITION: IL-9.5  
 FRICTION AGGREGATE: MIXTURE D

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

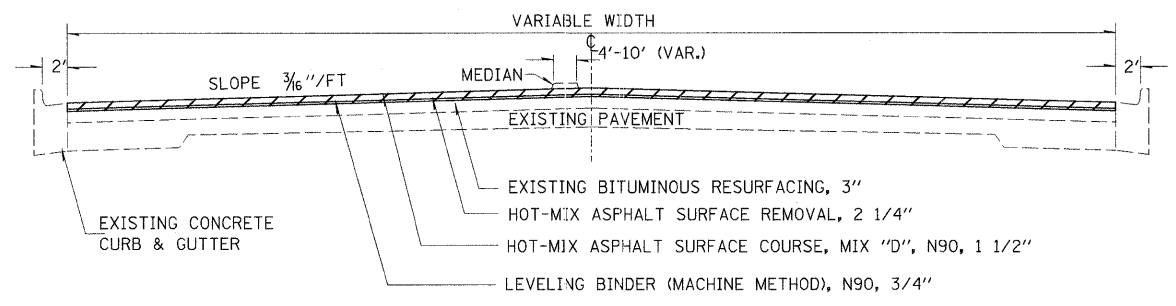
BITUMINOUS MATERIALS (PRIME COAT)	0.10 GAL/SQ YD
AGGREGATE (PRIME COAT)	4 LBS/SQ YD
HOT-MIX ASPHALT	112 LBS/SQ YD/INCH
AGGREGATE SURFACE COURSE	2.05 TONS/CU. YD.

FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES</b>	F.A.P	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct\pwork\pwork\swartzw\dms51160\shtr	dex.74254.dgn	DRAWN -	REVISED -			95	(18Z, J)RS-3	EFFINGHAM	38	3	
PLOT SCALE = 100.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 74254					
PLOT DATE = 3/19/2009		DATE -	REVISED -			SCALE: NA	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	

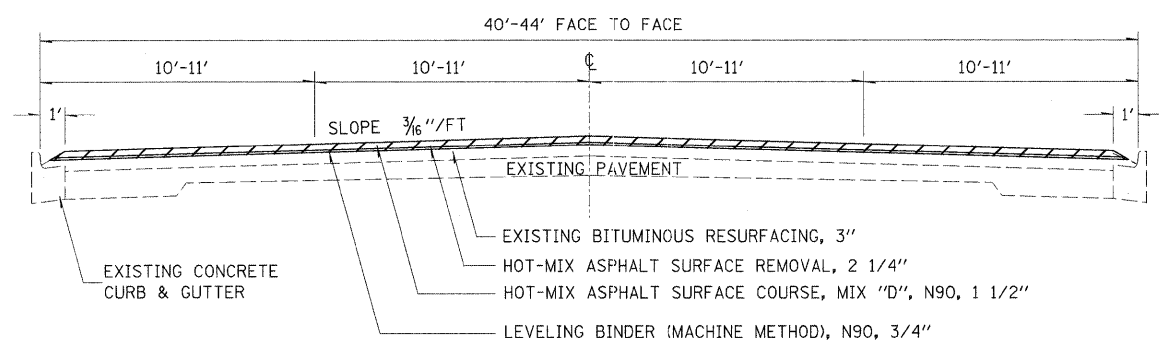
SUMMARY OF QUANTITIES			URBAN	CONSTRUCTION TYPE CODE	
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	STATE	FED
				20%	80%
I000					
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	14	14	
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	2511	2511	
40600300	AGGREGATE (PRIME COAT)	TON	50	50	
40600645	LEVELING BINDER (MACHINE METHOD), N90	TON	1036	1036	
40600990	TEMPORARY RAMP	SQ YD	123	123	
40600995	TEMPORARY RAMP, SPECIAL	SQ YD	614	614	
40603345	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	2072	2072	
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	54	54	
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SQ YD	443	443	
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	25966	25966	
44001700	COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT	FOOT	130	130	
44200152	PAVEMENT PATCHING, TYPE I, 13 INCH	SQ YD	121	121	
44200156	PAVEMENT PATCHING, TYPE II, 13 INCH	SQ YD	314	314	
44200160	PAVEMENT PATCHING, TYPE III, 13 INCH	SQ YD	75	75	
44200162	PAVEMENT PATCHING, TYPE IV, 13 INCH	SQ YD	60	60	
48203100	HOT-MIX ASPHALT SHOULDERS	TON	56	56	
60260500	INLETS TO BE ADJUSTED WITH NEW TYPE 3 FRAME AND GRATE	EACH	13	13	
60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	1	1	
66700205	PERMANENT SURVEY MARKERS, TYPE I	EACH	12	12	
67100100	MOBILIZATION	L SUM	1	1	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	
70102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	L SUM	1	1	
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1	

SUMMARY OF QUANTITIES			URBAN	CONSTRUCTION TYPE CODE	
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	STATE	FED
				20%	80%
I000					
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1	
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	352	352	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	19894	19894	
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	2790	2790	
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	272	272	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	292	292	
* 70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	11349	11349	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	352	352	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	19894	19894	
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2790	2790	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	272	272	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	292	292	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	267	267	
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	18	18	
* 88600100	DETECTOR LOOP, TYPE I	FOOT	1058	1058	
X0325702	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1	
X7030300	WET REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE, TYPE III	FOOT	6343	6343	
Z0025500	FURNISHING AND INSTALLING PROPERTY MARKERS	EACH	1	1	
Z0070100	SURVEY MONUMENT COVER ASSEMBLY	EACH	1	1	

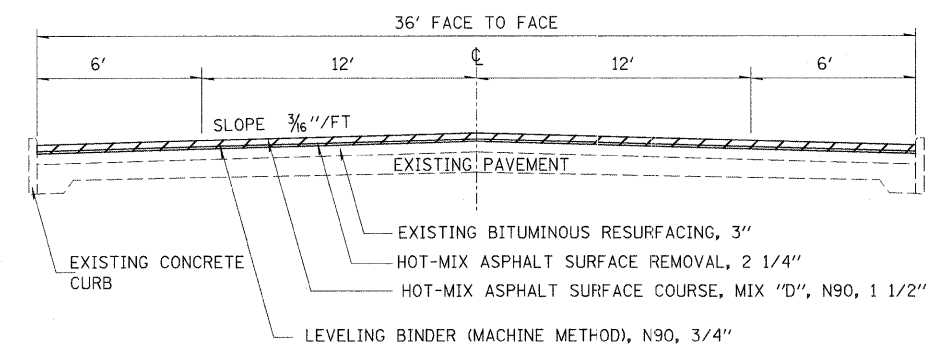
\* SPECIALTY ITEMS



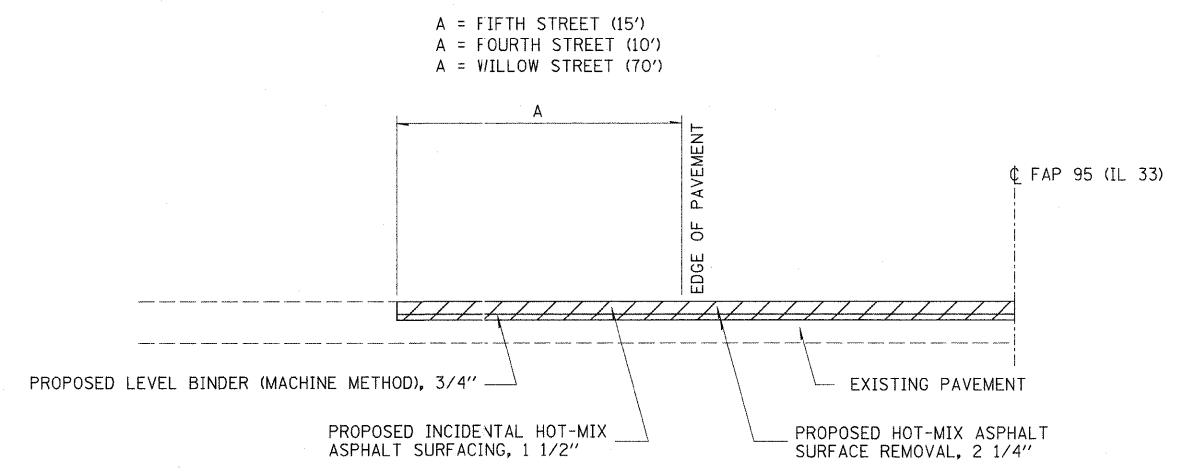
**TYPICAL SECTION**  
 STA 132+52 TO STA 134+96.09 VARIES 64' - 44' (NO MEDIAN)  
 STA 134+96.09 (BK) = STA 34+92.63 (AH)  
 STA 34+92.63 TO STA 35+68.00



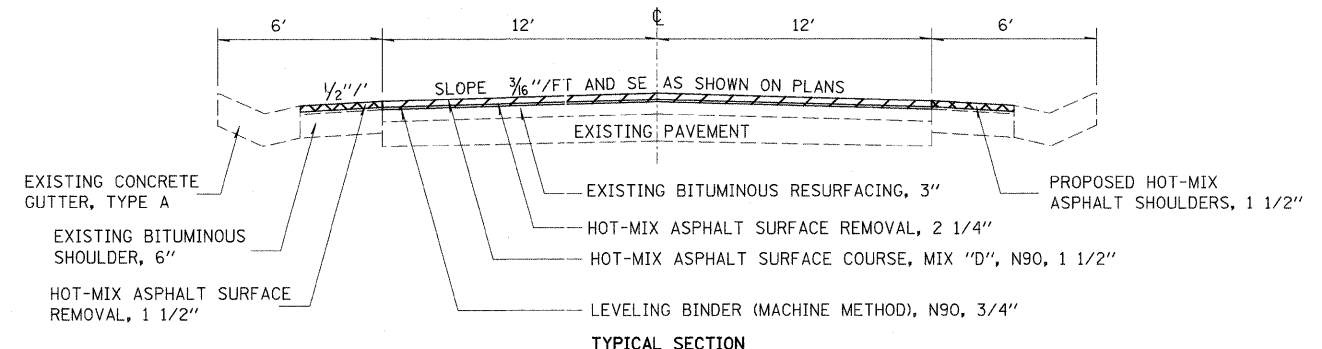
**TYPICAL SECTION**  
 STA 35+68 TO STA 53+13



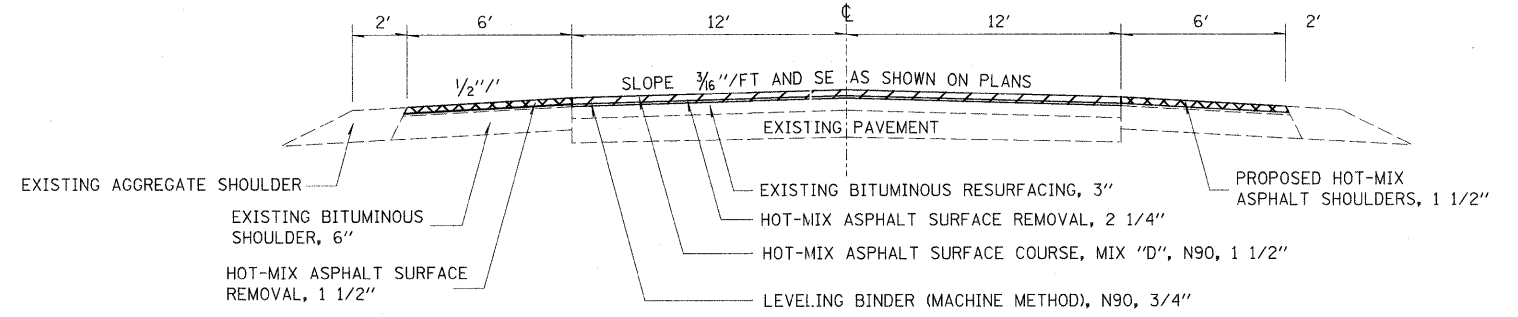
**TYPICAL SECTION**  
 STA 53+13 TO STA 79+70



**SIDE STREET APPROACH DETAIL**  
 LT. FIFTH STREET STATION 35+00.00  
 LT. FOURTH STREET STATION 38+95.19  
 LT. WILLOW STREET STATION 57+74.00



**TYPICAL SECTION**  
 STA 79+70 TO STA 88+27.5  
 TRANSITION BEGINS AT STA 82+26.6



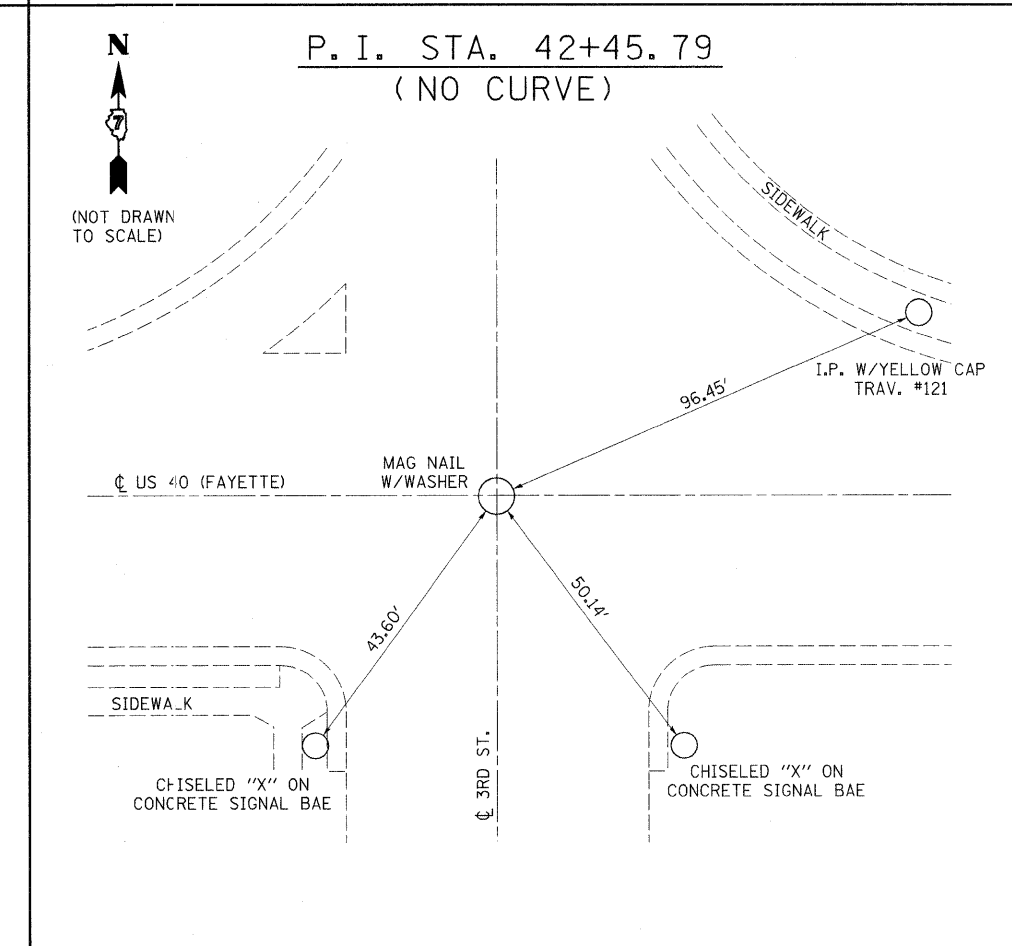
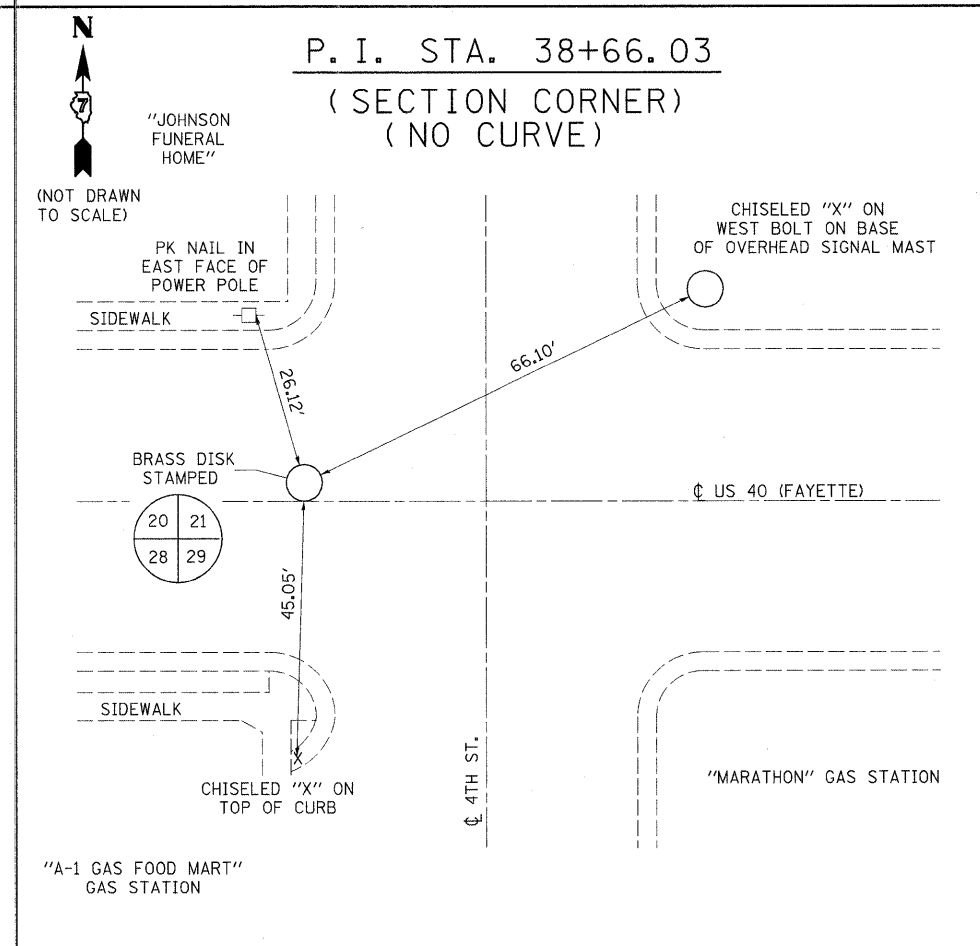
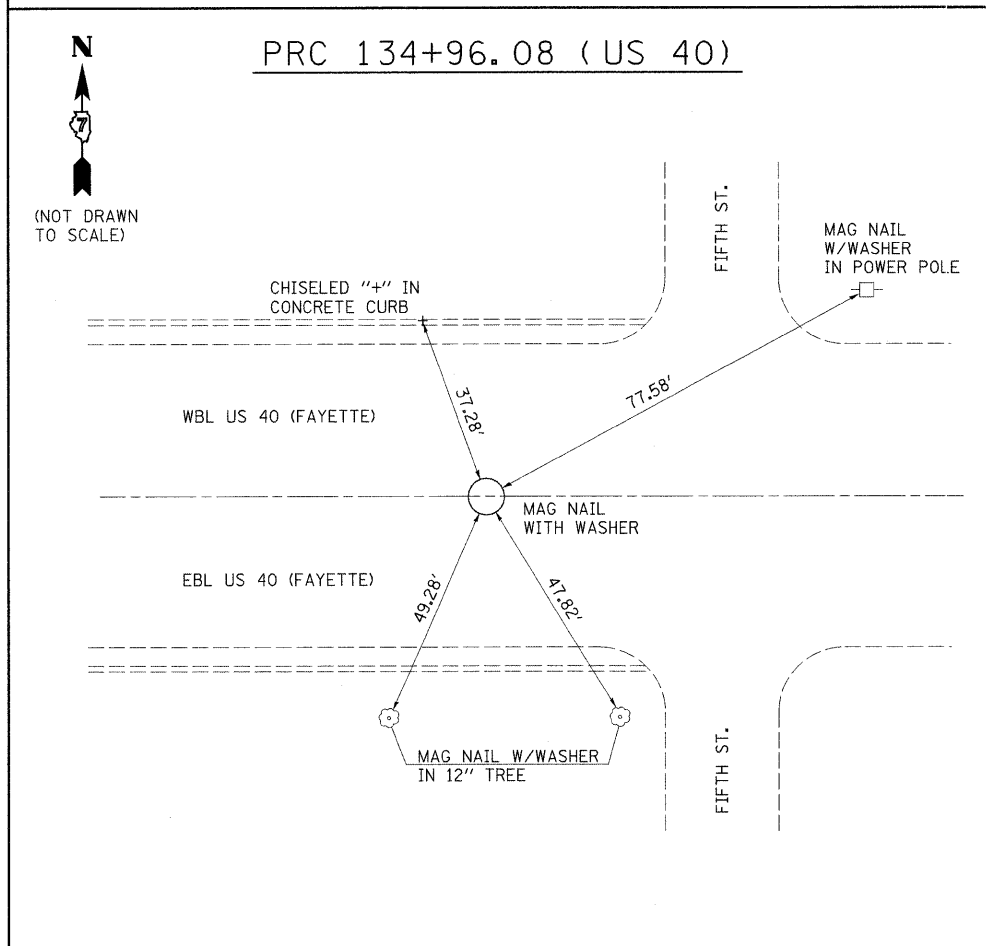
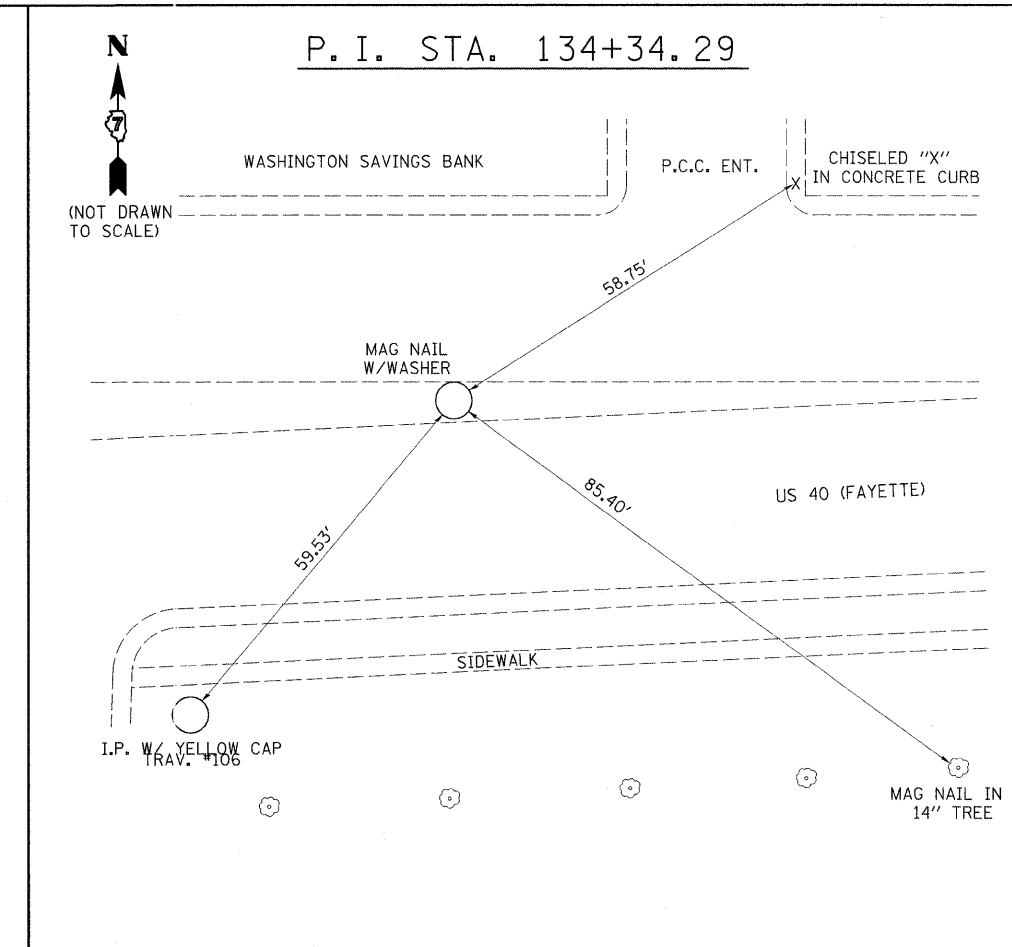
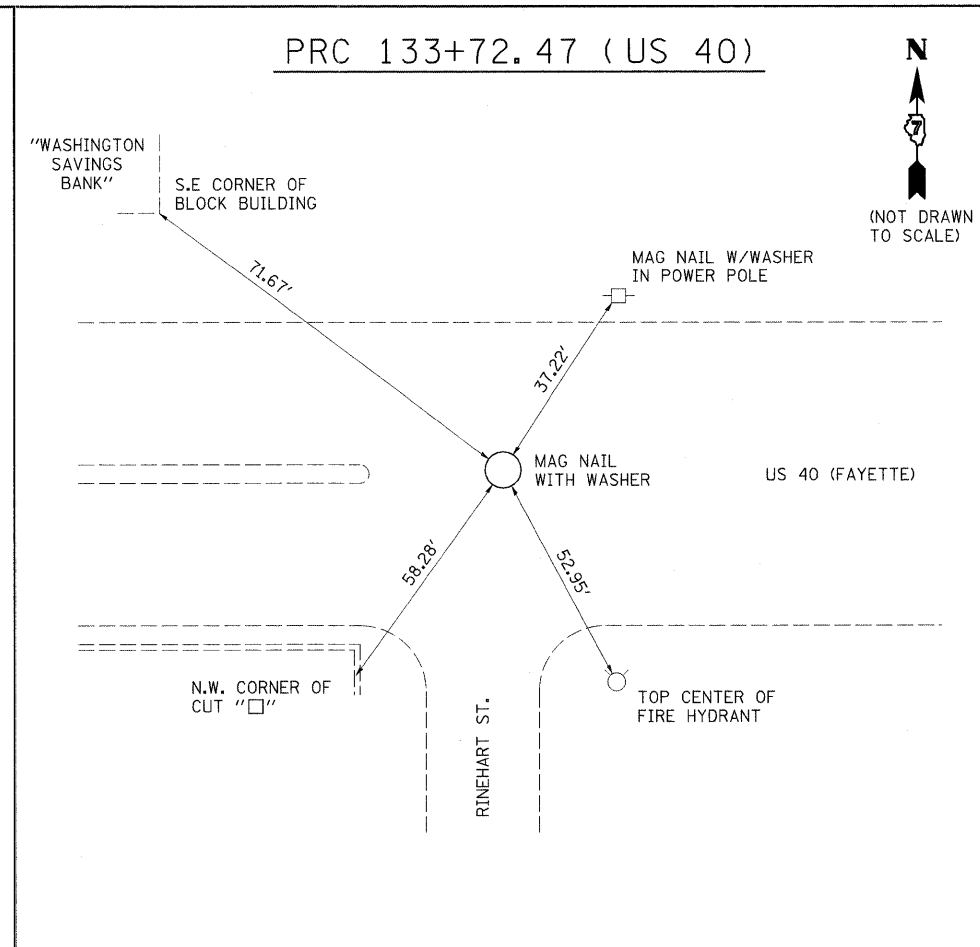
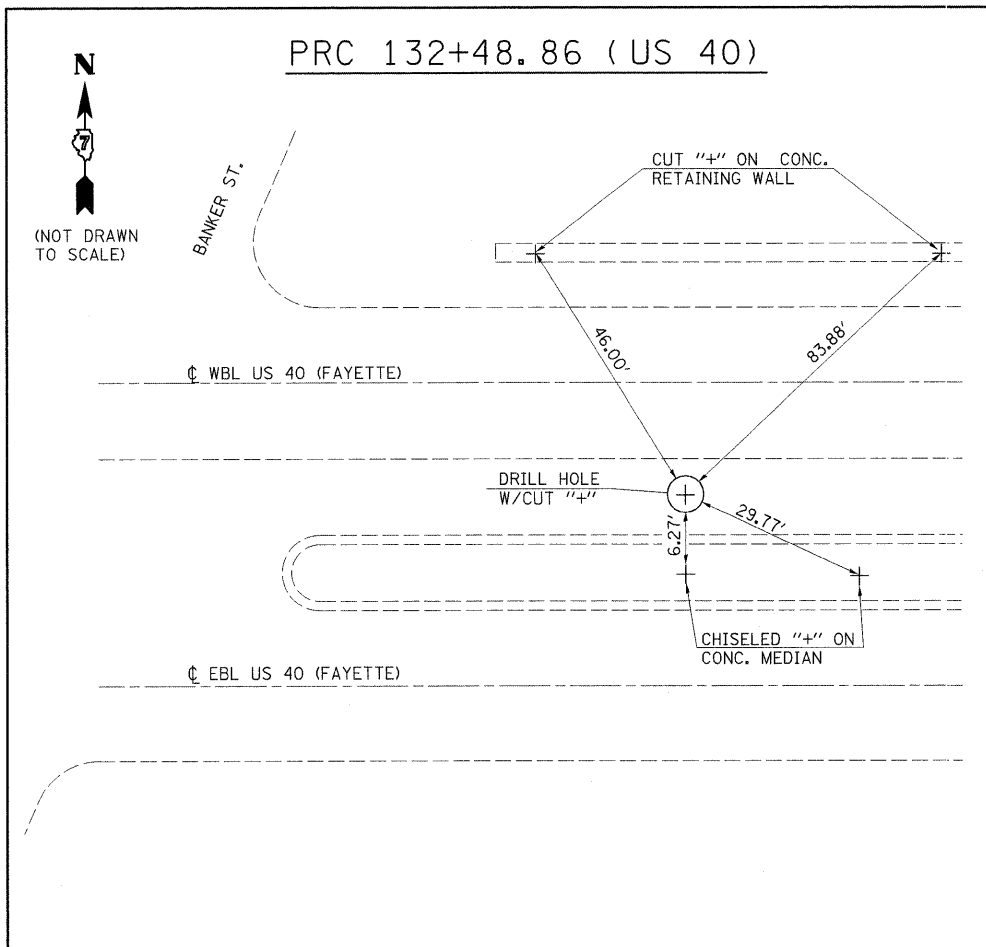
**TYPICAL SECTION**  
 STA 88+27.5 TO STA 88+97.98  
 TRANSITION ENDS AT STA 90+56.7  
 STA 88+97.98 (BK) = STA 35+93.74 (AH)  
 STA 35+93.74 TO STA 38+55.00

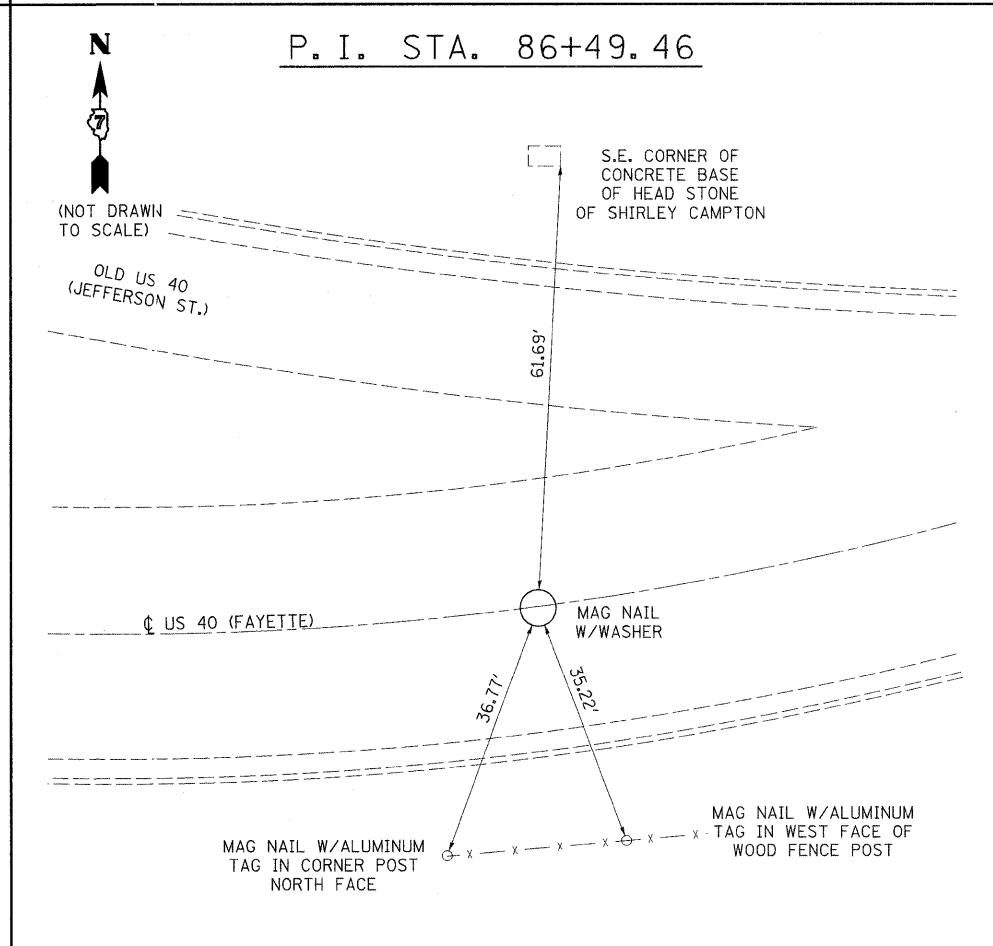
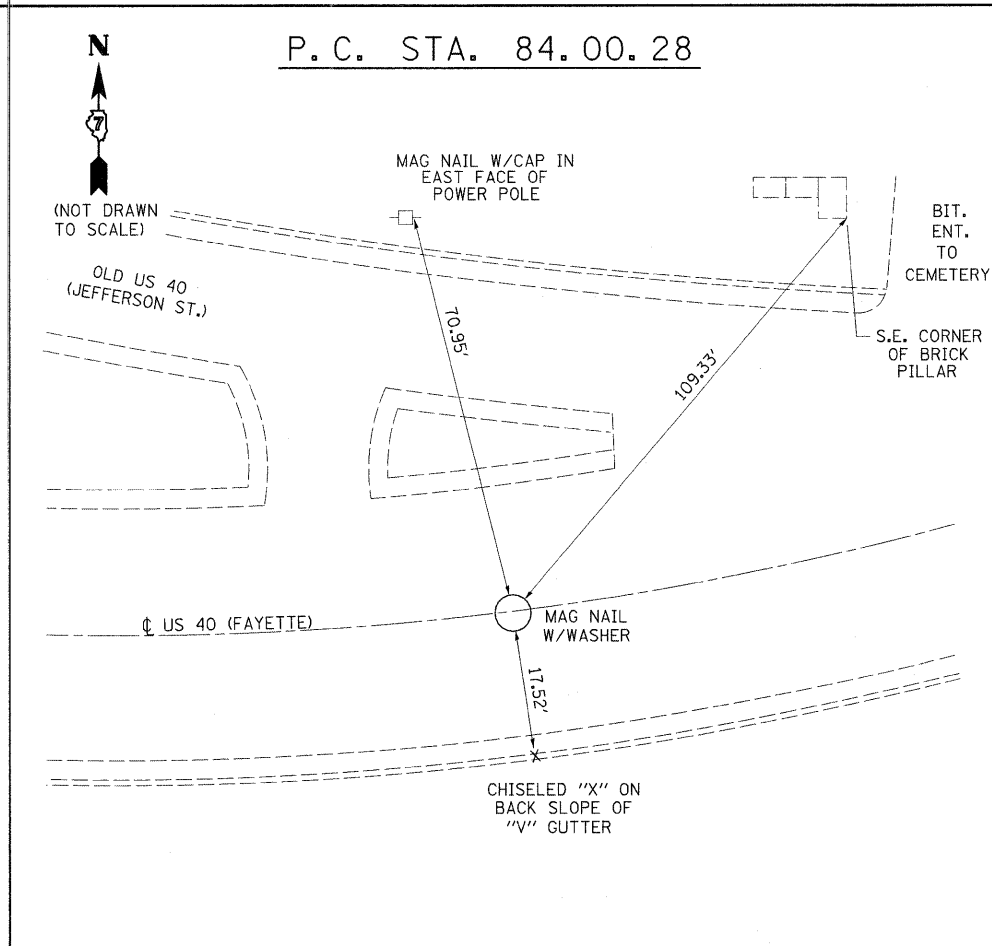
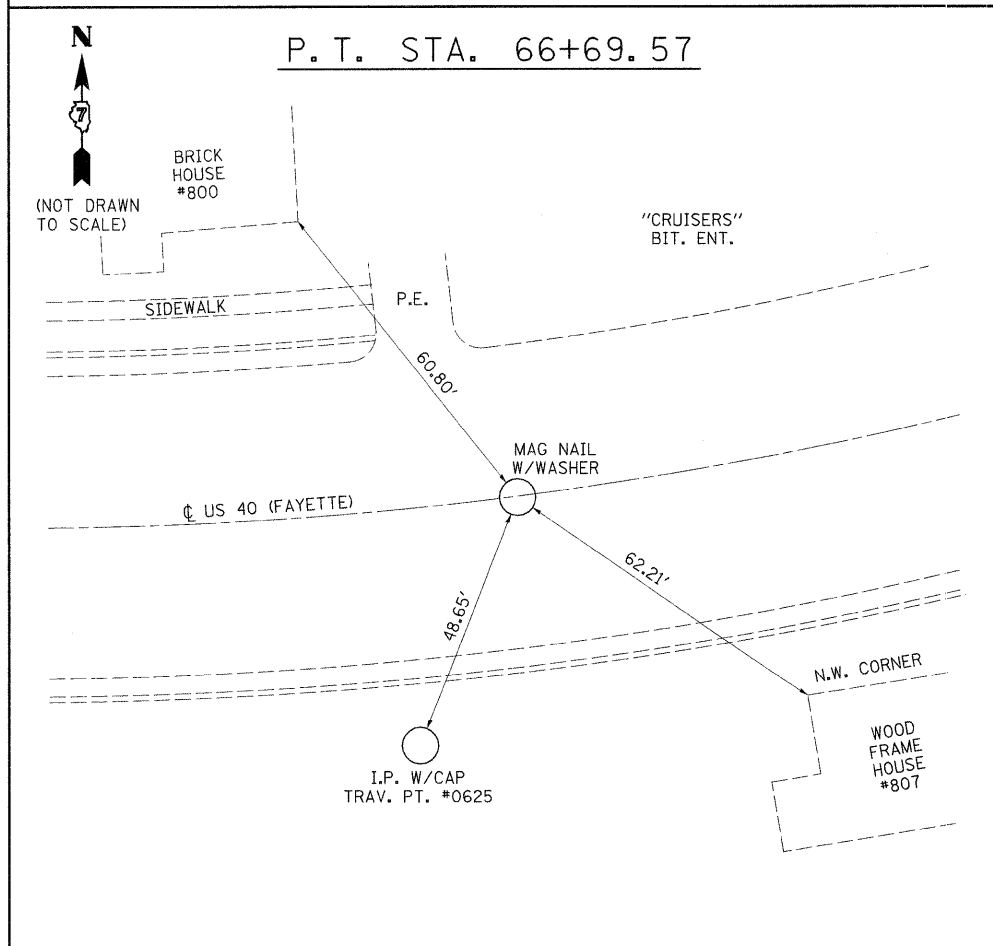
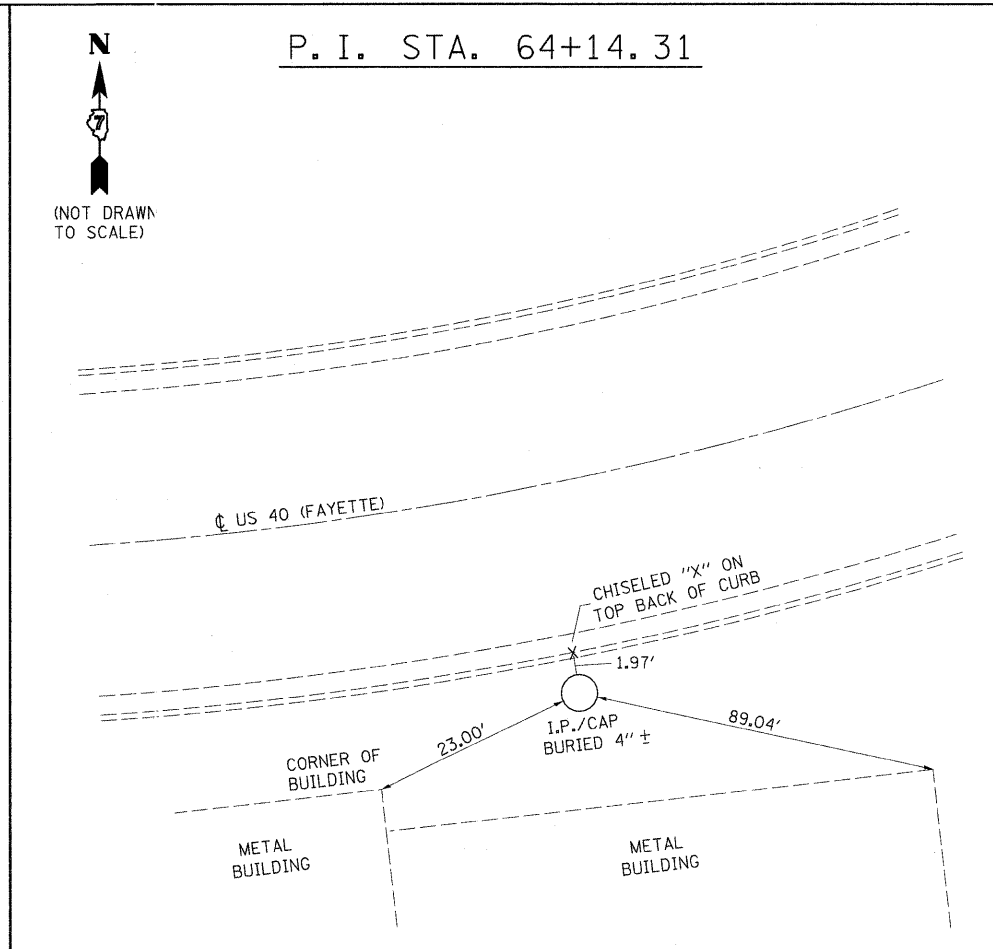
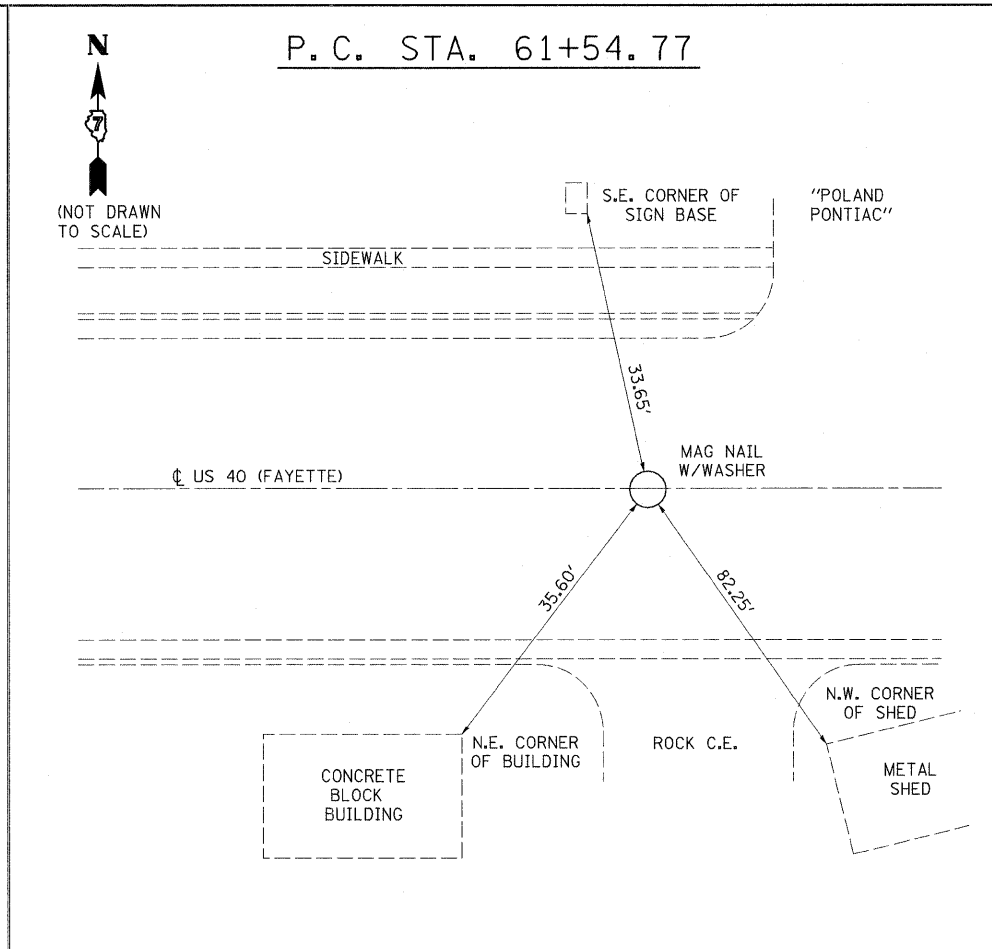
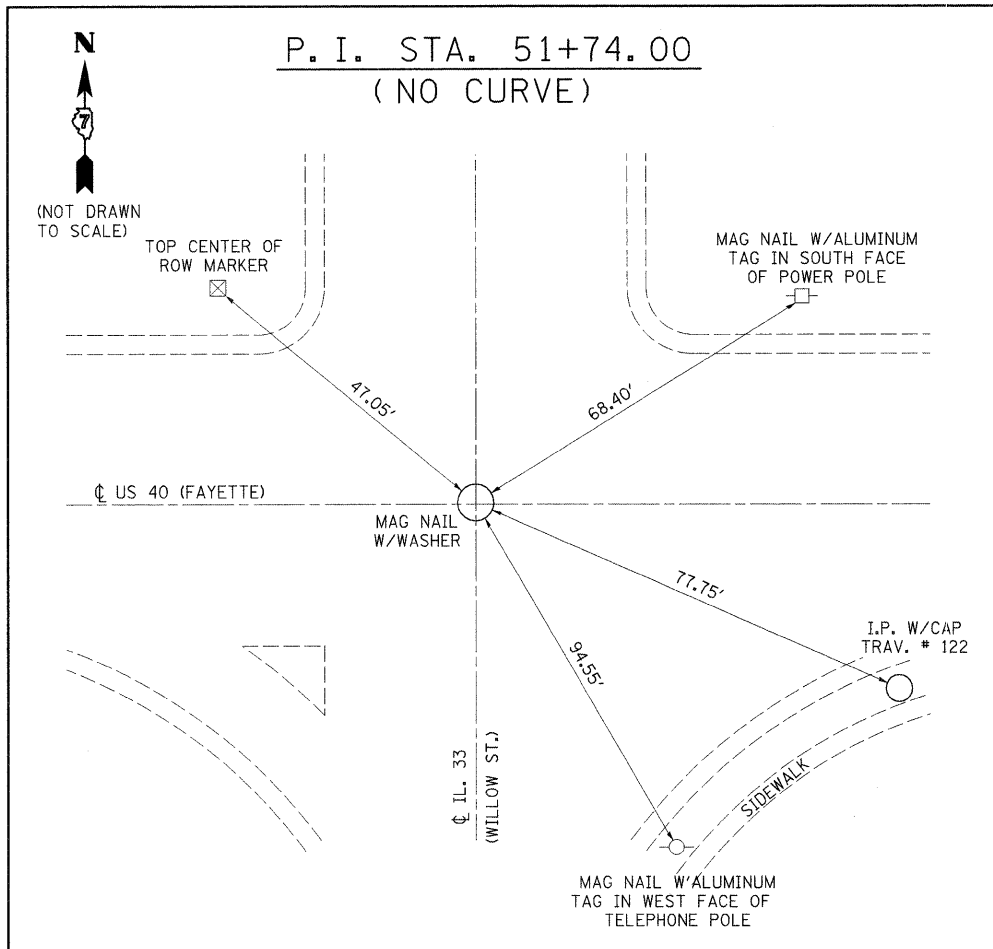
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	PLOT DATE = 3/19/2009	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

<b>TYPICAL CROSS SECTIONS</b>			
SCALE: NA	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	(18Z,JRS-3	EFFINGHAM	38	5
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 74254	



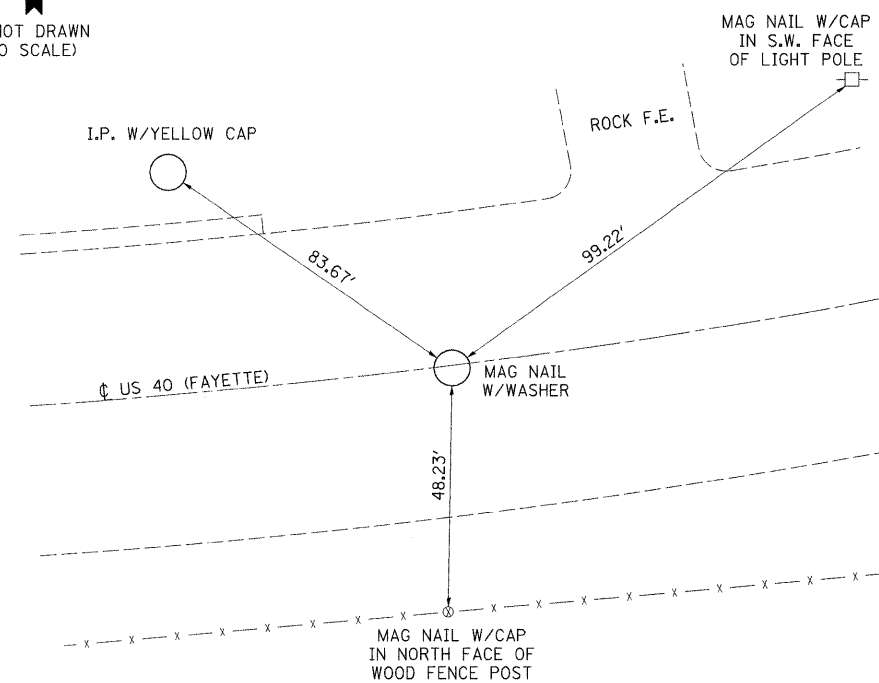




P. T. STA. EQUATION:

88+97.98 (BK) =  
35+93.74 AH)

(NOT DRAWN TO SCALE)



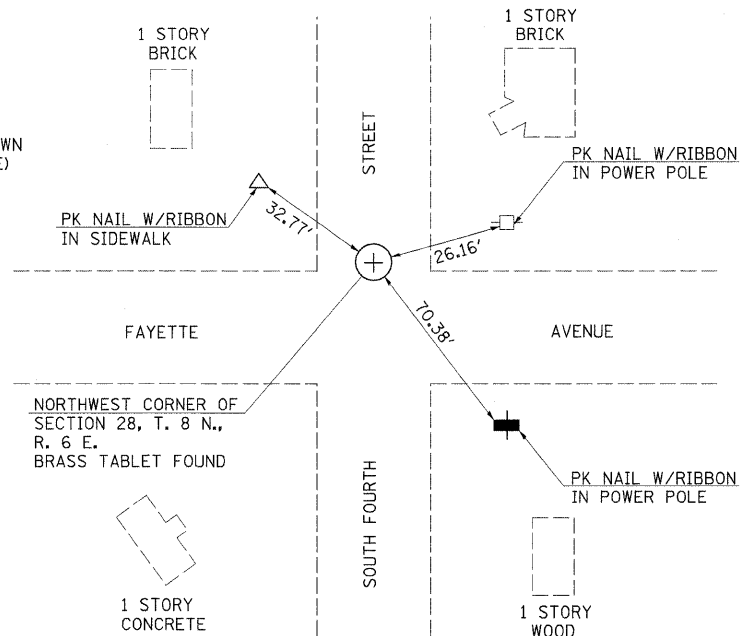
MONUMENT RECORD

LAND SURVEY MONUMENTS SITUATED IN SECTION 28, TOWNSHIP 8 NORTH, RANGE 6 EAST, OF THE 3RD PRINCIPLE MERIDIAN, EFFINGHAM COUNTY, ILLINOIS.

MONUMENT DESCRIPTION AND REMARKS: BRASS TABLET FOUND NORTHWEST CORNER OF SECTION 28, TOWNSHIP 8 NORTH, RANGE 6 EAST, 3RD PRINCIPLE MERIDIAN.



(NOT DRAWN TO SCALE)



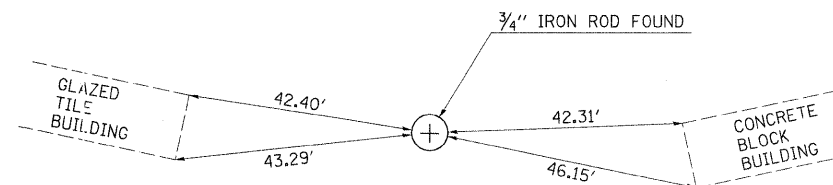
MONUMENT RECORD

LAND SURVEY MONUMENTS SITUATED IN SECTION 28, TOWNSHIP 8 NORTH, RANGE 6 EAST, OF THE 3RD PRINCIPLE MERIDIAN, EFFINGHAM COUNTY, ILLINOIS.

MONUMENT DESCRIPTION AND REMARKS: 3/4" IRON ROD FOUND N. W. COR., NE 1/4, SECTION 28,



(NOT DRAWN TO SCALE)



FILE NAME =	USER NAME = swartzrw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MONUMENT TIE POINTS &amp; CENTERLINE CROSS TIES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\swartzrw\dms51160\shd	tails.74254.dgn	DRAWN -	REVISED -			95	(18Z,JRS-3	EFFINGHAM	38	8
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 74254							
PLOT DATE = 3/19/2009	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							
				SCALE: NA	SHEET NO. 3 OF 3 SHEETS	STA.	TO STA.			



**RESURFACING SCHEDULE**

STATION TO STATION	LENGTH FEET	PAVEMENT WIDTH FEET	AREA SQ YD	BITUMINOUS MATERIALS (PRIME COAT) GALLON	AGGREGATE (PRIME COAT) TON	LEVELING BINDER (MACHINE IL-9.5FG, N90 METHOD), TON	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90 TON	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2" SQ YD	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4" SQ YD	TEMPORARY RAMP SQ YD	HOT-MIX ASPHALT SHOULDERS TON	INCIDENTAL HOT-MIX ASPHALT SURFACING TON
132+52.00 TO 133+20.00	68.00	64.00	484	48	1.00	20.3	40.6		483.6	53.3		
133+20.00 TO 134+96.09	176.09	VAR	1152	115	2.30	48.4	96.8		1152.1			
134+96.09 = 34+92.62 STATION EQUATION												
34+92.62 TO 35+73.00	80.38	VAR	398	40	0.80	16.7	33.4		546.5			9
35+73.00 TO 42+06.00	633.00	40.30	2834	283	5.70	119.0	238.1		2951.3			7
42+06.00 TO 44+05.00	199.00	37.50	829	83	1.70	34.8	69.7		829.2			
44+05.00 TO 52+74.00	869.00	VAR	3909	391	7.80	164.2	328.3		4501.1	31.7		37
52+74.00 TO 79+30.00	2656.00	36.00	10624	1062	21.20	446.2	892.4		10624.0			
79+30.00 TO 80+15.00	85.00	32.00	302	30	0.60	12.7	25.4		302.2			
80+15.00 TO 87+24.00	709.00	28.00	2206	221	4.40	92.6	185.3		2205.8			
87+24.00 TO 87+43.00	19.00	24.00	51	5	0.10	2.1	4.3		50.7			
87+43.00 TO 88+97.98	154.98	24.00	413	52	1.00	17.4	34.7	103	516.6		13	
88+97.98 = 35+93.74 STATION EQUATION												
35+93.74 TO 36+00.00	6.26	24.00	17	2		0.7	1.4		16.7			
36+00.00 TO 38+55.00	255.00	24.00	680	102	2.00	28.6	57.1	340	1020.0	20.0	43	
Jefferson Street		VAR	766	77	1.50	32.2	64.3		766.0	18.3		
<b>TOTALS</b>	<b>5911</b>		<b>24664</b>	<b>2511</b>	<b>50</b>	<b>1036</b>	<b>2072</b>	<b>443</b>	<b>25966</b>	<b>123</b>	<b>56</b>	<b>54</b>

**INLET TO BE ADJUSTED WITH NEW TY3 F&G**

STATION	LT/RT	EACH
35+64	RT	1
37+08	RT	1
44+37	RT	1
44+38	LT	1
46+34	RT	1
49+89	LT	1
51+39	LT	0
52+03	LT	1
59+00	LT	0
60+98	RT	0
62+47	LT	0
65+00	RT	1
72+51	RT	1
<b>TOTAL</b>		<b>13</b>

**COMBINATION CURB & GUTTER REMOVAL AND REPLACEMENT**

STATION	TO	STATION	LENGTH
35+59	TO	35+69	10
37+03	TO	37+13	10
44+32	TO	44+42	10
46+29	TO	46+39	10
60+93	TO	61+03	10
72+46	TO	72+56	10
65+45	TO	65+55	10
62+42	TO	62+52	10
58+95	TO	59+05	10
62+42	TO	62+52	10
51+34	TO	51+44	10
49+84	TO	49+94	10
44+33	TO	44+43	10
<b>TOTAL</b>			<b>130</b>

**PERMANENT SURVEY MARKERS**

TYPE	STATION	NORTHING	EASTING	EACH
PI	133+10.68	893,445.7967	924,441.4772	1
PRC	133+72.48	893,445.4793	924,503.2864	1
PT	134+96.09	893,442.8466	924,626.8642	1
PI	38+66.03	893,428.8596	925,000.0073	1
PI	42+45.79	893,411.4528	925,379.3759	1
PI	51+74.00	893,366.7491	926,306.5088	1
PC	61+54.77	893,319.2972	927,286.1253	1
PT	66+69.57	893,374.9630	927,795.7769	1
PC	84+00.28	893,829.8979	929,465.6258	1
PI	86+49.46	893,895.3975	929,706.0438	1
PT	88+97.98	893,990.6323	929,936.3075	1
PI	36+85.26	894,025.6102	930,020.8789	1
<b>TOTAL</b>				<b>12</b>

**SURVEY MONUMENT COVER ASSEMBLY FURNISHING AND INSTALLING PROPERTY MARKERS**

TYPE	STATION	EACH
PI	38+66.03	1
<b>TOTAL</b>		<b>1</b>

**FRAMES AND GRATES TO BE ADJUSTED**

STATION	SIDE	EACH
62+57	LT	1

PAVEMENT MARKING SCHEDULE

			WET REFLECTIVE TEMPORARY PAVEMENT MARKING TAPE, TYPE III	WORK ZONE PAVEMENT MARKING REMOVAL	THERMOPLASTIC PAVEMENT MARKING TYPE II LETTERS AND SYMBOLS	THERMOPLASTIC PAVEMENT MARKING TYPE II - LINE 4"	THERMOPLASTIC PAVEMENT MARKING TYPE II - LINE 6"	THERMOPLASTIC PAVEMENT MARKING TYPE II - LINE 12"	THERMOPLASTIC PAVEMENT MARKING TYPE II - LINE 24"	RAISED REFLECTIVE PAVEMENT MARKER	TEMPORARY PAINT PAVEMENT MARKING, LETTERS AND SYMBOLS	TEMPORARY PAINT PAVEMENT MARKING, LINE 4"	TEMPORARY PAINT PAVEMENT MARKING, LINE 6"	TEMPORARY PAINT PAVEMENT MARKING, LINE 12"	TEMPORARY PAINT PAVEMENT MARKING, LINE 24"
STATION TO STATION	LENGTH	FOOT	SQ FT	SQ FT	FOOT	FOOT	FOOT	FOOT	EACH	SQ FT	FOOT	FOOT	FOOT	FOOT	
132+52 TO 133+25	73	117	176	9	0	86	86	0	5	9	0	86	86	0	
133+25 TO 134+80	155	248	328	0	620	78	0	0	12	0	620	78	0	0	
134+80 TO 134+96	16	26	34	0	64	8	0	0	1	0	64	8	0	0	
134+96 TO 34+93	STATION EQUATION														
34+93 TO 38+57	364	583	680	0	788	349	0	24	18	0	788	349	0	24	
38+57 TO 39+40	83	133	462	47	0	453	0	72	4	47	0	453	0	72	
39+40 TO 42+06	266	426	386	0	532	133	0	0	13	0	532	133	0	0	
42+06 TO 43+64	158	253	702	0	219	667	36	88	8	0	219	667	36	88	
43+64 TO 49+98	634	1014	950	0	1268	317	31	0	32	0	1268	317	31	0	
49+98 TO 53+98	400	639	1027	120	583	614	0	96	10	120	583	614	0	96	
53+98 TO 76+53	2256	1805	4161	176	10151	0	0	0	113	176	10151	0	0	0	
76+53 TO 78+97	244	195	521	0	1097	0	90	0	12	0	1097	0	90	0	
78+97 TO 88+98	1001	801	1486	0	3528	86	0	0	25	0	3528	86	0	0	
88+98 TO 35+94	STATION EQUATION														
35+94 TO 38+55	261	105	437	0	1045	0	30	0	14	0	1045	0	30	12	
TOTAL	5911	6343	11349	352	19894	2790	272	280	267	352	19894	2790	272	292	



EXIST. CURVE FAY8  
 PI STA. = 131+02.30  
 $\Delta = 2^\circ 55' 55''$  (RT)  
 $D = 1^\circ 00' 00''$   
 $R = 5,729.57'$   
 $T = 146.63'$   
 $L = 293.19'$   
 $E = 1.88'$   
 $e = \text{---}$   
 $T.R. = \text{---}$   
 $S.E. \text{ RUN} = \text{---}$   
 $P.C. \text{ STA.} = 129+55.68$   
 $P.T. \text{ STA.} = 132+48.87$


EXIST. CURVE FAY9  
 PI STA. = 133+10.68  
 $\Delta = 1^\circ 51' 15''$  (LT)  
 $D = 1^\circ 30' 00''$   
 $R = 3,819.66'$   
 $T = 61.81'$   
 $L = 123.61'$   
 $E = 0.50'$   
 $e = \text{---}$   
 $T.R. = \text{---}$   
 $S.E. \text{ RUN} = \text{---}$   
 $P.C. \text{ STA.} = 132+48.87$   
 $P.T. \text{ STA.} = 133+72.48$


FAP ROUTE 95  
 SECTION (18Z,JRS-3)  
 PROJECT BEGINS  
 STATION 132+52

EXIST. CURVE FAY10  
 PI STA. = 134+34.29  
 $\Delta = 1^\circ 51' 09''$  (RT)  
 $D = 1^\circ 29' 55''$   
 $R = 3,823.20'$   
 $T = 61.81'$   
 $L = 123.61'$   
 $E = 0.50'$   
 $e = \text{---}$   
 $T.R. = \text{---}$   
 $S.E. \text{ RUN} = \text{---}$   
 $P.C. \text{ STA.} = 133+72.48$   
 $P.T. \text{ STA.} = 134+96.09$

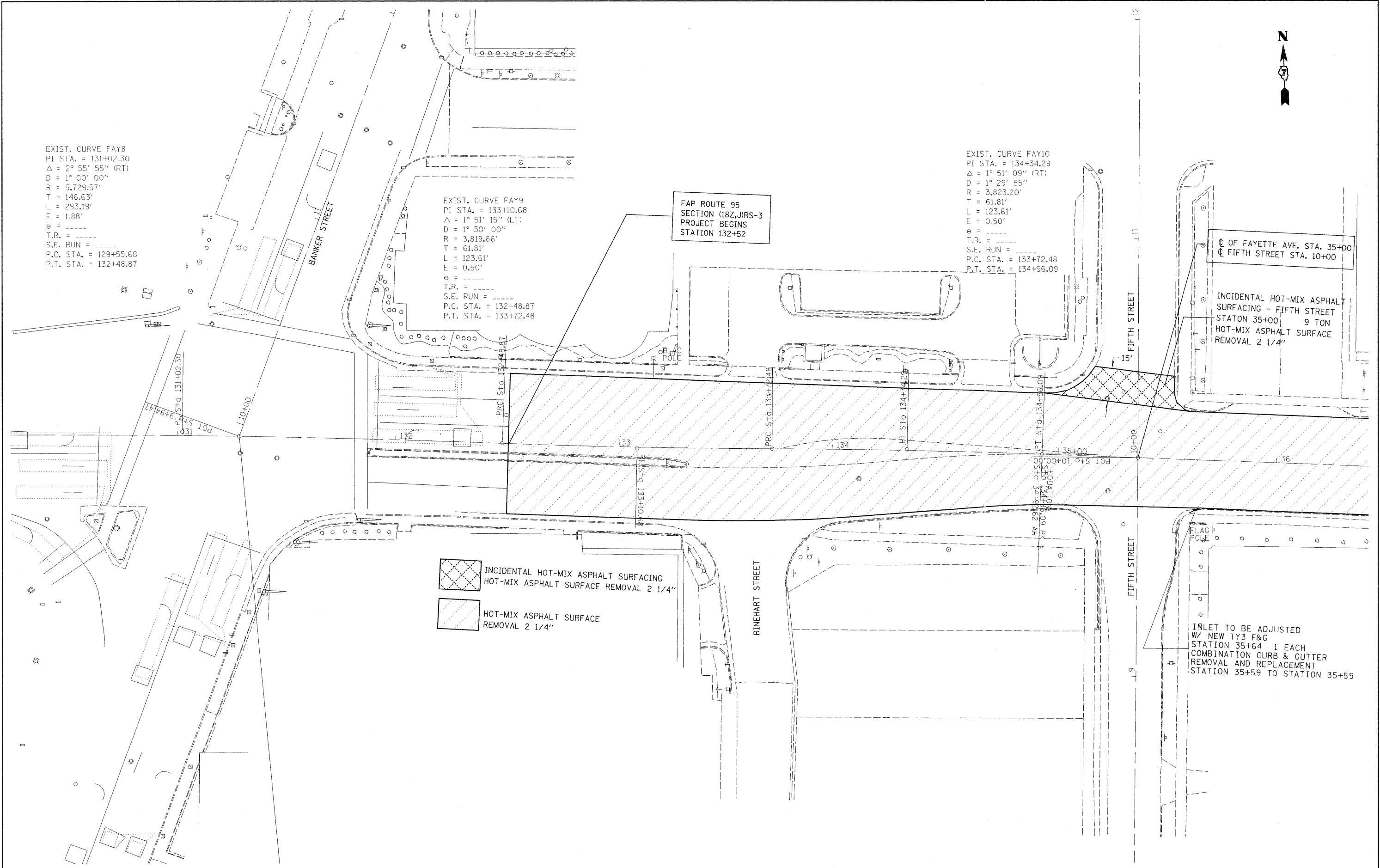
☉ OF FAYETTE AVE. STA. 35+00  
 ☉ FIFTH STREET STA. 10+00

INCIDENTAL HOT-MIX ASPHALT  
 SURFACING - FIFTH STREET  
 STATION 35+00  
 9 TON  
 HOT-MIX ASPHALT SURFACE  
 REMOVAL 2 1/4"

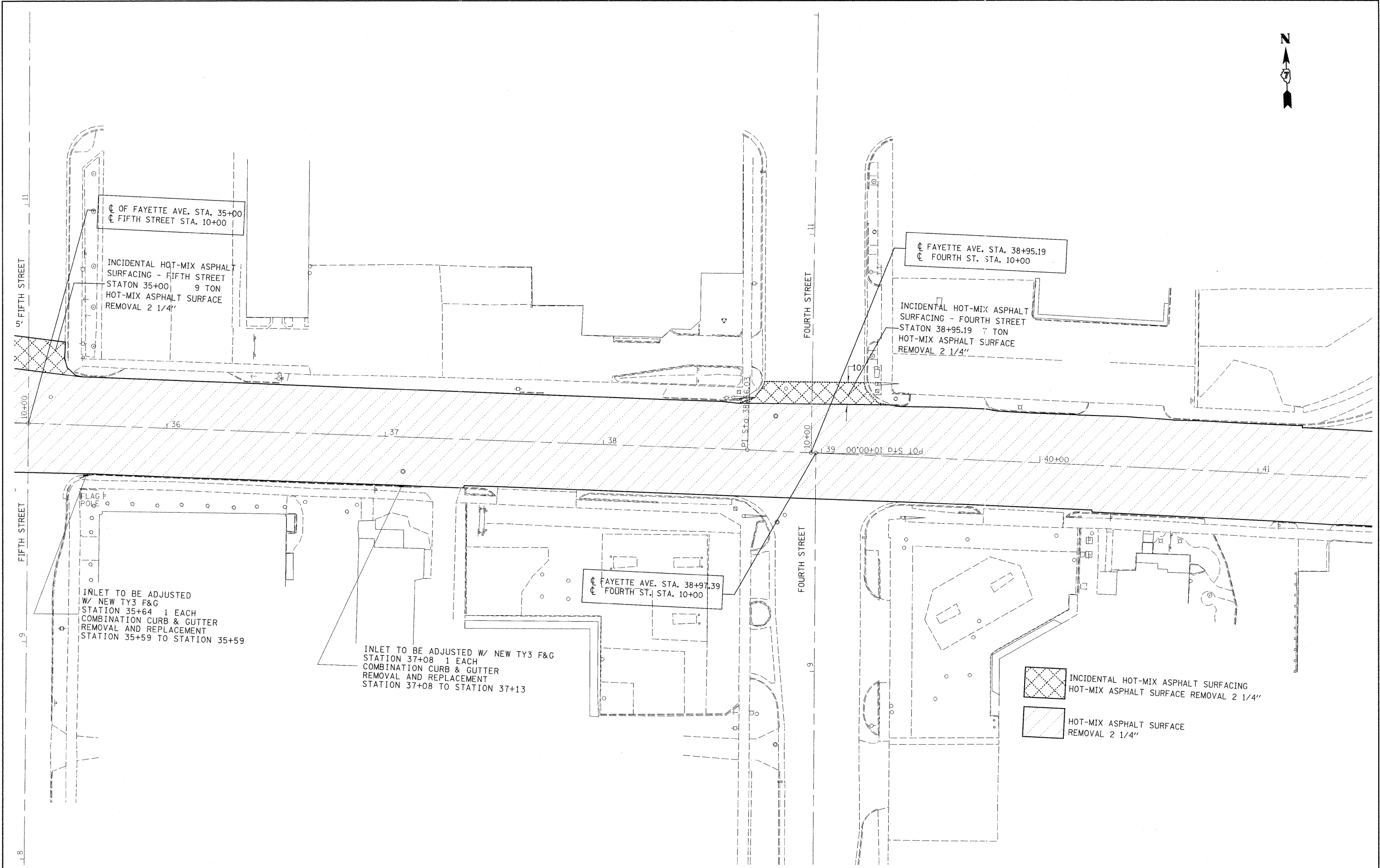
 INCIDENTAL HOT-MIX ASPHALT SURFACING  
 HOT-MIX ASPHALT SURFACE REMOVAL 2 1/4"

 HOT-MIX ASPHALT SURFACE  
 REMOVAL 2 1/4"

INLET TO BE ADJUSTED  
 W/ NEW TY3 F&G  
 STATION 35+64 1 EACH  
 COMBINATION CURB & GUTTER  
 REMOVAL AND REPLACEMENT  
 STATION 35+59 TO STATION 35+59



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.	
ct\pw_work\pwsdot\swartzw\dms51160\shp	an20_74254.dgn	DRAWN -	REVISED -			95	(18Z,JRS-3)	EFFINGHAM	38	11	
	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 74254					
	PLOT DATE = 3/19/2009	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
				SCALE: 20	SHEET NO. 1 OF 11 SHEETS	STA. 132+52	TO STA. 36+00				

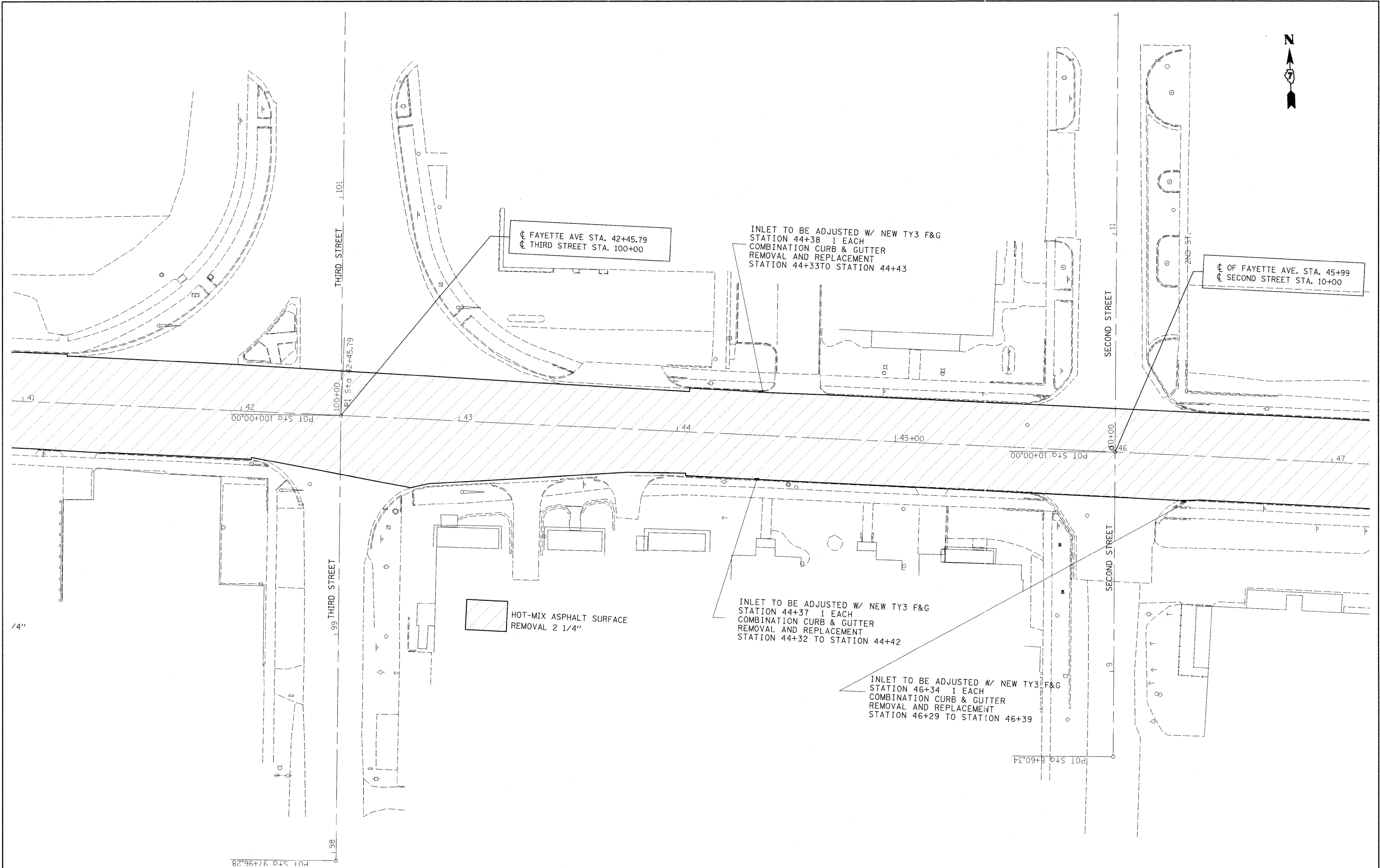


FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -
ca\pw\work\p\dot\swartzw\dms51160\shp	an20_74254.dgn	DRAWN -	REVISED -
	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 3/19/2009	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PLAN SHEET</b>	
SCALE: 20	SHEET NO. 2 OF 11 SHEETS
STA. 36+00	TO STA. 41+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	(18Z,JRS-3	EFFINGHAM	38	12
CONTRACT NO. 74254				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -
c:\pw\work\p\dot\swartzw\dms51160\shp	an20_74254.dgn	DRAWN -	REVISED -
	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 3/19/2009	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET**

SCALE: 20 SHEET NO. 3 OF 11 SHEETS STA. 41+00 TO STA. 47+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	(18Z,JRS-3	EFFINGHAM	38	13
CONTRACT NO. 74254				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				




C OF FAYETTE AVE. STA. 49+56.46  
 C FIRST STREET STA. 10+00


INCIDENTAL HOT-MIX ASPHALT  
 SURFACING - WILLOW STREET  
 STATION 51+74 37 TON  
 HOT-MIX ASPHALT SURFACE  
 REMOVAL 2 1/4"

PI STA 51+74.00 US 40 - FAYETTE AVE.  
 POT STA 95+85.31 IL 33 - WILLOW ST.  
 POT STA 10+00.00 WILLOW ST. (NORTH)

INLET TO BE ADJUSTED  
 W/ NEW TY3 F&G  
 STATION 51+39 1 EACH  
 COMBINATION CURB & GUTTER  
 REMOVAL AND REPLACEMENT  
 STATION 51+34 TO STATION 51+44  
 INLET TO BE ADJUSTED  
 W/ NEW TY3 F&G  
 STATION 49+89 1 EACH  
 COMBINATION CURB & GUTTER  
 REMOVAL AND REPLACEMENT  
 STATION 49+84 TO STATION 49+94

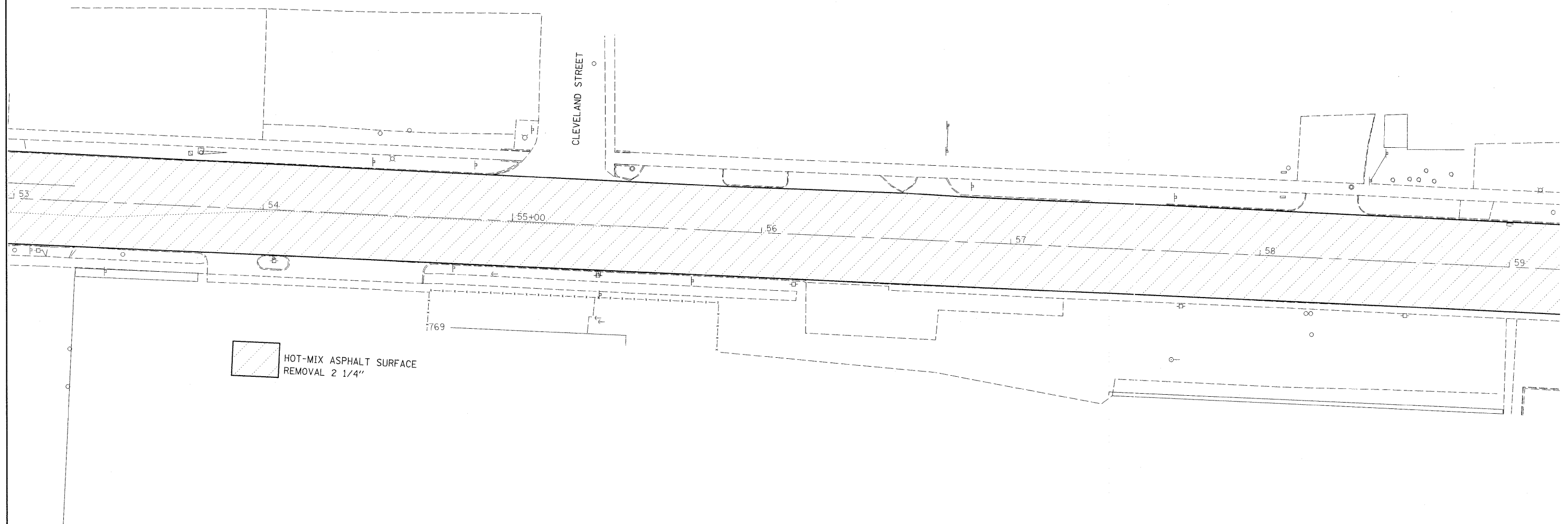
INLET TO BE ADJUSTED  
 W/ NEW TY3 F&G  
 STATION 52+03 1 EACH  
 COMBINATION CURB & GUTTER  
 REMOVAL AND REPLACEMENT  
 STATION 51+98 TO STATION 52+08

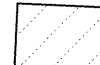
 INCIDENTAL HOT-MIX ASPHALT SURFACING  
 HOT-MIX ASPHALT SURFACE REMOVAL 2 1/4"

 HOT-MIX ASPHALT SURFACE  
 REMOVAL 2 1/4"

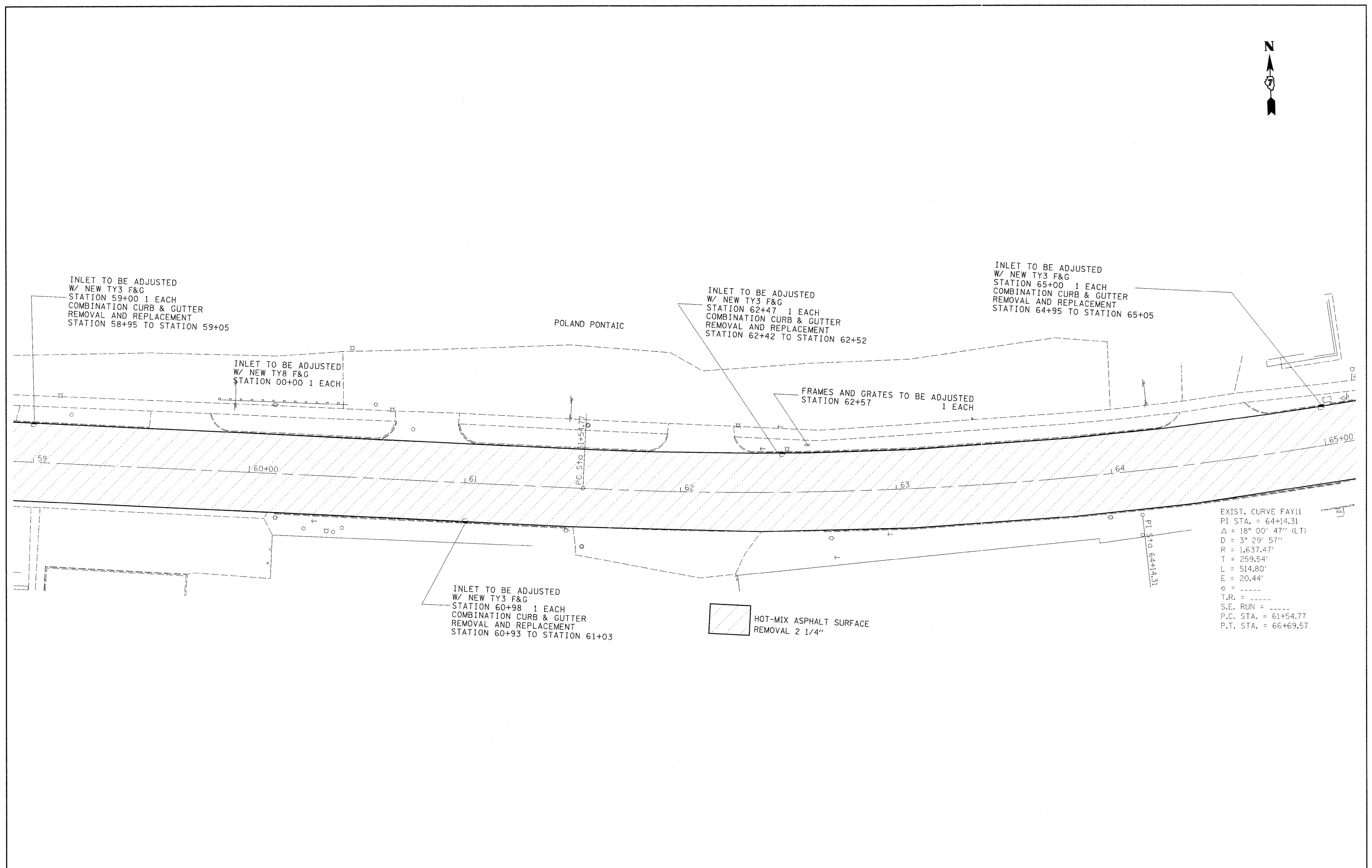
EXIST. CURVE 331  
 PI STA. = 98+54.83  
 $\Delta = 10^{\circ} 33' 39''$  (LT)  
 $D = 5^{\circ} 01' 15''$   
 $R = 1,141.16'$   
 $T = 105.47'$

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.	
ci:\pw\work\p\dot\swartzrw\dms51160\shp	on20_74254.dgn	DRAWN -	REVISED -		95	(18Z,JRS-3)	EFFINGHAM	38	14			
	PLT SCALE = 20.0000' / IN.	CHECKED -	REVISED -		SCALE: 20		SHEET NO. 4 OF 11 SHEETS		STA. 47+00 TO STA. 53+00		CONTRACT NO. 74254	
	PLT DATE = 3/19/2009	DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							




 HOT-MIX ASPHALT SURFACE  
 REMOVAL 2 1/4"

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\pwsdot\swartzw\dms51160\shp	an20_74254.dgn	DRAWN -	REVISED -		SCALE: 20	SHEET NO. 5 OF 11 SHEETS	STA. 53+00 TO STA. 59+00	95	(18Z,JRS-3	EFFINGHAM	38	15
	PLOT SCALE = 20,000' / IN.	CHECKED -	REVISED -					CONTRACT NO. 74254				
	PLOT DATE = 3/19/2009	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				



EXIST. CURVE FAY11  
 PI STA. = 64+14.31  
 $\Delta = 18^\circ 00' 47''$  (LT)  
 $D = 3^\circ 29' 57''$   
 $R = 1,637.47'$   
 $T = 259.54'$   
 $L = 514.80'$   
 $E = 20.44'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. \text{ RUN} = \text{-----}$   
 $P.C. \text{ STA.} = 61+54.77$   
 $P.T. \text{ STA.} = 66+69.57$

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.
cs:\pw\work\p\dot\swartzrw\dms51160\shp	en28_74254.dgn	DRAWN -	REVISED -		95	(18Z,JRS-3	EFFINGHAM	38	16		
	PLOT SCALE = 28,0000' / IN.	CHECKED -	REVISED -		CONTRACT NO. 74254						
	PLOT DATE = 3/19/2009	DATE -	REVISED -		SCALE: 20	SHEET NO. 6 OF 11 SHEETS	STA. 59+00 TO STA. 65+00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		



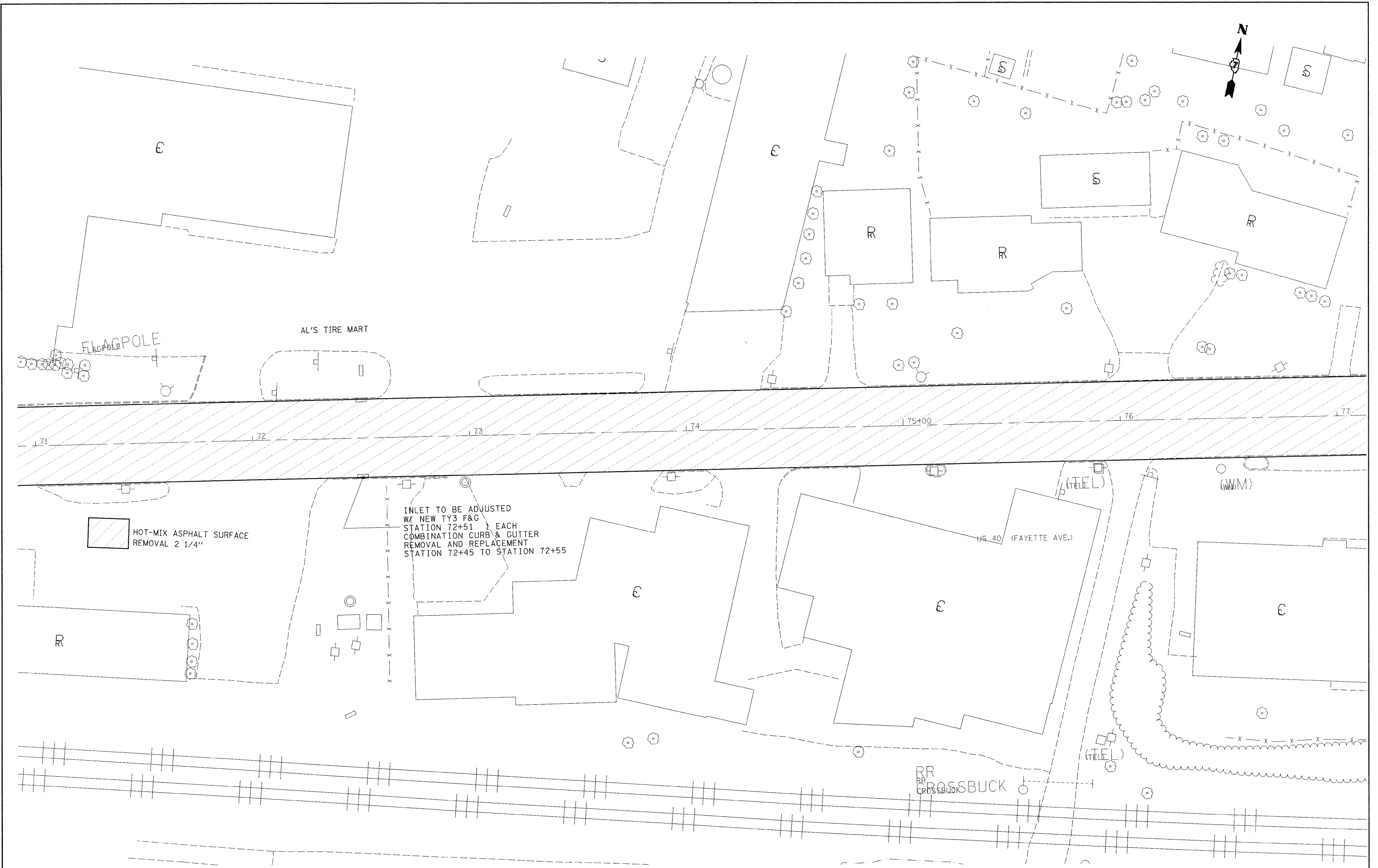


FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -
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	PLOT SCALE = 20,0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 3/19/2009	DATE -	REVISED -


**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PLAN SHEET</b>			
SCALE: 20	SHEET NO. 7 OF 11 SHEETS	STA. 65+00	TO STA. 71+00

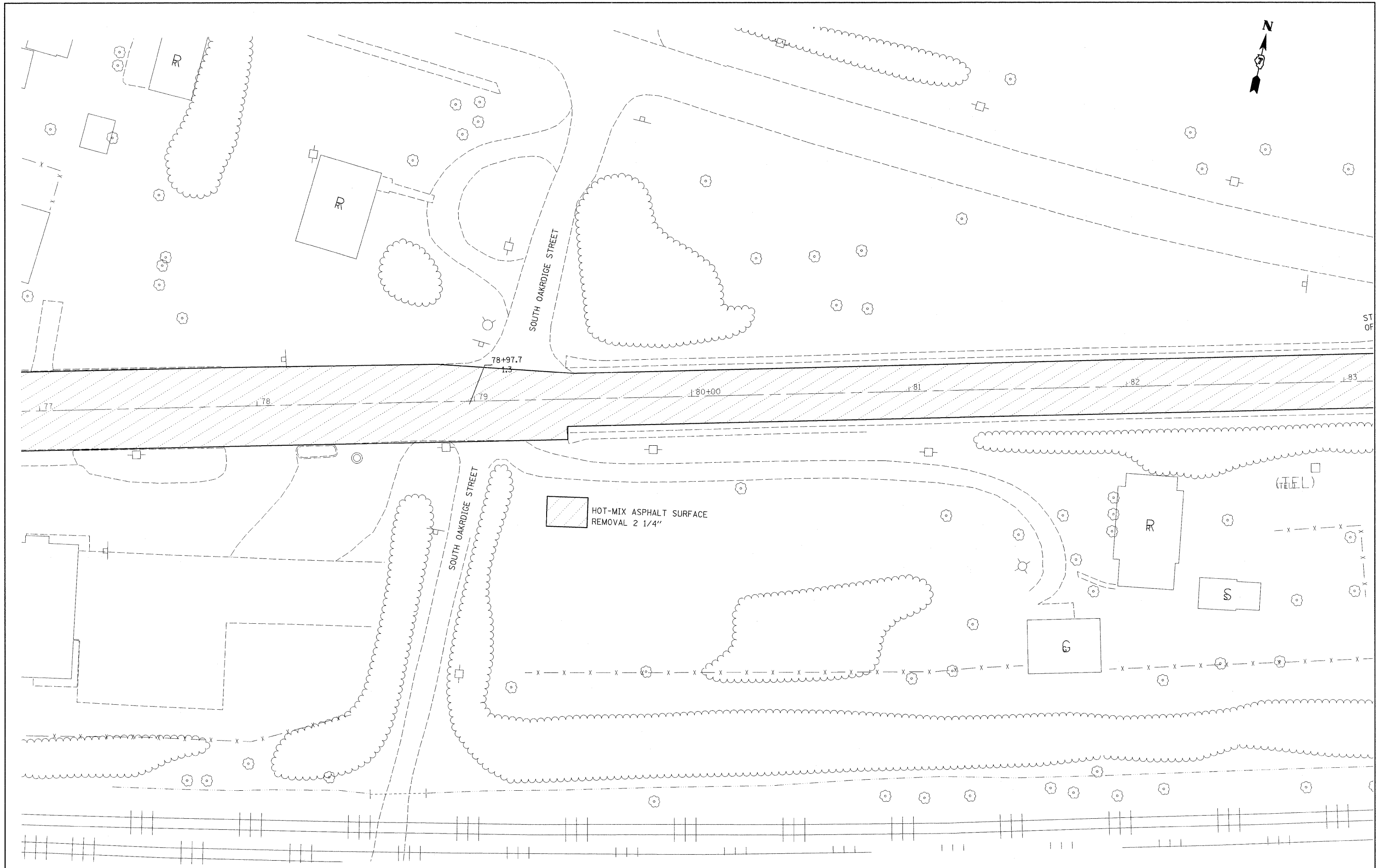
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	(18Z,JRS-3	EFFINGHAM	38	17
CONTRACT NO. 74254				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			




INLET TO BE ADJUSTED  
 W/ NEW TY3 F&G  
 STATION 72+51 1 EACH  
 COMBINATION CURB & GUTTER  
 REMOVAL AND REPLACEMENT  
 STATION 72+45 TO STATION 72+55

 HOT-MIX ASPHALT SURFACE  
 REMOVAL 2 1/4"

FILE NAME = e:\pwk\work\p1dot\swartzrw\dms51160\shp	USER NAME = swartzrw on20_74254.dgn	DESIGNED - DRAWN -	REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEET</b>		F.A.P. RTE. 95	SECTION (18Z,JRS-3)	COUNTY EFFINGHAM	TOTAL SHEETS 38	SHEET NO. 18	
PLOT SCALE = 20,0000' / IN.		CHECKED -	REVISED -		SCALE: 20	SHEET NO. 8 OF 11 SHEETS	STA. 71+00 TO STA. 77+00	CONTRACT NO. 74254				
PLOT DATE = 3/19/2009		DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							



 HOT-MIX ASPHALT SURFACE  
REMOVAL 2 1/4"

FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -
cr:\pw\work\p\dot\swartzw\dms51160\shp	on20_74254.dgn	DRAWN -	REVISED -
	PLOT SCALE = 20,0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 3/19/2009	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEET**

SCALE: 20 SHEET NO. 9 OF 11 SHEETS STA. 77+00 TO STA. 83+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	(18Z)JRS-3	EFFINGHAM	38	19
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
		CONTRACT NO. 74254		



PROJECT LIMITS  
JEFFERSON STREET SPUR

HOT-MIX ASPHALT SURFACE  
REMOVAL 2 1/4"


STATION 83+37  
OFFSET 40'

EXIST. CURVE FAY12  
 PI STA. = 86+49.46  
 $\Delta = 7^\circ 13' 47''$  (LT)  
 $D = 1^\circ 27' 09''$   
 $R = 3,944.32'$   
 $T = 249.18'$   
 $L = 497.70'$   
 $E = 7.86'$   
 $e = \text{---}$   
 $T.R. = \text{---}$   
 $S.E. RUN = \text{---}$   
 $P.C. STA. = 84+00.28$   
 $P.T. STA. = 88+97.98$

EQ. STA. 88+97.98  
 ST. 1d  
 S.F. 88+97.98 BK. 1 =  
 ST. 5+93.74 AN

FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEET</b>		F.A.P. RTE. 95	SECTION (18Z,JRS-3)	COUNTY EFFINGHAM	TOTAL SHEETS 38	SHEET NO. 20	
c:\pw\work\p\dot\swartzw\dms51160\ahtp	en20.74254.dgn	DRAWN -	REVISED -		SCALE: 20	SHEET NO. 10 OF 11 SHEETS	STA. 83+00 TO STA. 36+00	CONTRACT NO. 74254				
	PLOT SCALE = 20.0000 "/td> <td>CHECKED -</td> <td>REVISED -</td> <td colspan="8">FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT</td>	CHECKED -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
	PLOT DATE = 3/19/2009	DATE -	REVISED -									

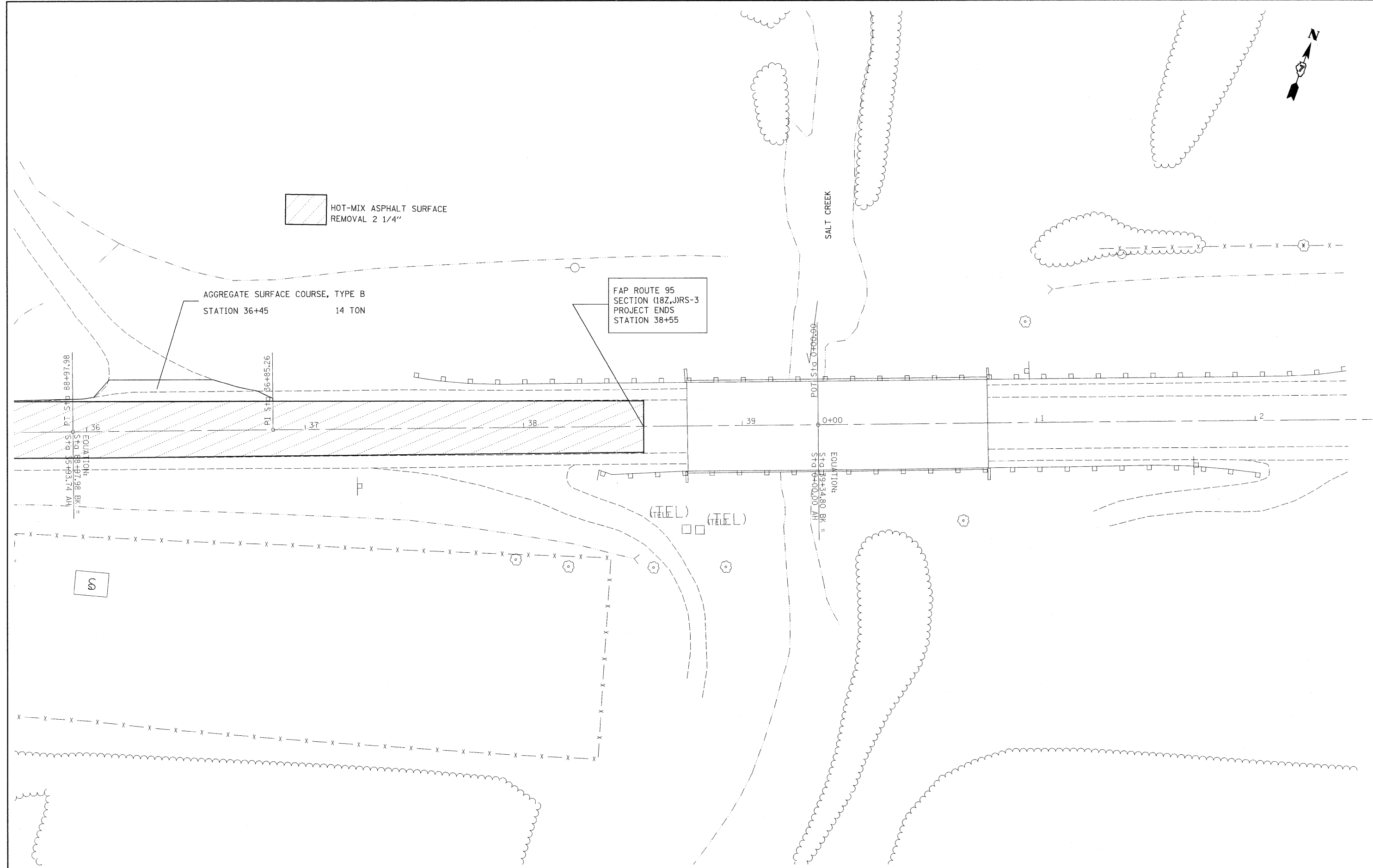


 HOT-MIX ASPHALT SURFACE  
REMOVAL 2 1/4"

AGGREGATE SURFACE COURSE, TYPE B  
STATION 36+45                      14 TON

FAP ROUTE 95  
SECTION (18Z,JRS-3)  
PROJECT ENDS  
STATION 38+55

SALT CREEK



FILE NAME =	USER NAME = swartzrw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEET</b>			F.A.P. RTE. 95	SECTION (18Z,JRS-3)	COUNTY EFFINGHAM	TOTAL SHEETS 38	SHEET NO. 21
es:\pw\work\p\dot\swartzrw\dms51160\shp	on20_74254.dgn	DRAWN -	REVISED -		SCALE: 20	SHEET NO. 11 OF 11 SHEETS	STA. 36+00	TO STA. 38+55	CONTRACT NO. 74254			
	PLOT SCALE = 20,0000 ' / IN.	CHECKED -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
	PLOT DATE = 3/19/2009	DATE -	REVISED -									



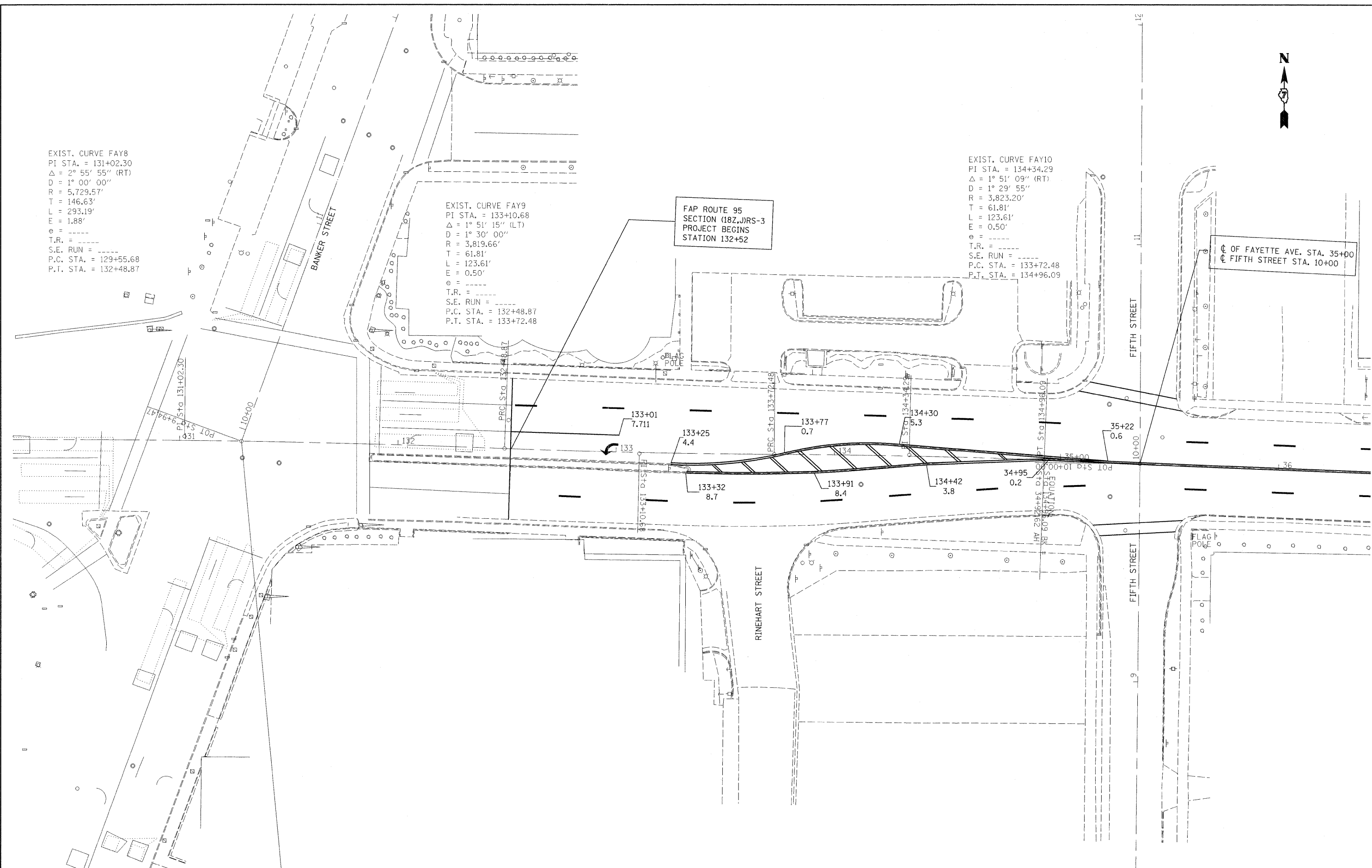
EXIST. CURVE FAY8  
 PI STA. = 131+02.30  
 $\Delta = 2^\circ 55' 55''$  (RT)  
 $D = 1^\circ 00' 00''$   
 $R = 5,729.57'$   
 $T = 146.63'$   
 $L = 293.19'$   
 $E = 1.88'$   
 $e =$   
 $T.R. =$   
 $S.E. RUN =$   
 $P.C. STA. = 129+55.68$   
 $P.T. STA. = 132+48.87$

EXIST. CURVE FAY9  
 PI STA. = 133+10.68  
 $\Delta = 1^\circ 51' 15''$  (LT)  
 $D = 1^\circ 30' 00''$   
 $R = 3,819.66'$   
 $T = 61.81'$   
 $L = 123.61'$   
 $E = 0.50'$   
 $e =$   
 $T.R. =$   
 $S.E. RUN =$   
 $P.C. STA. = 132+48.87$   
 $P.T. STA. = 133+72.48$

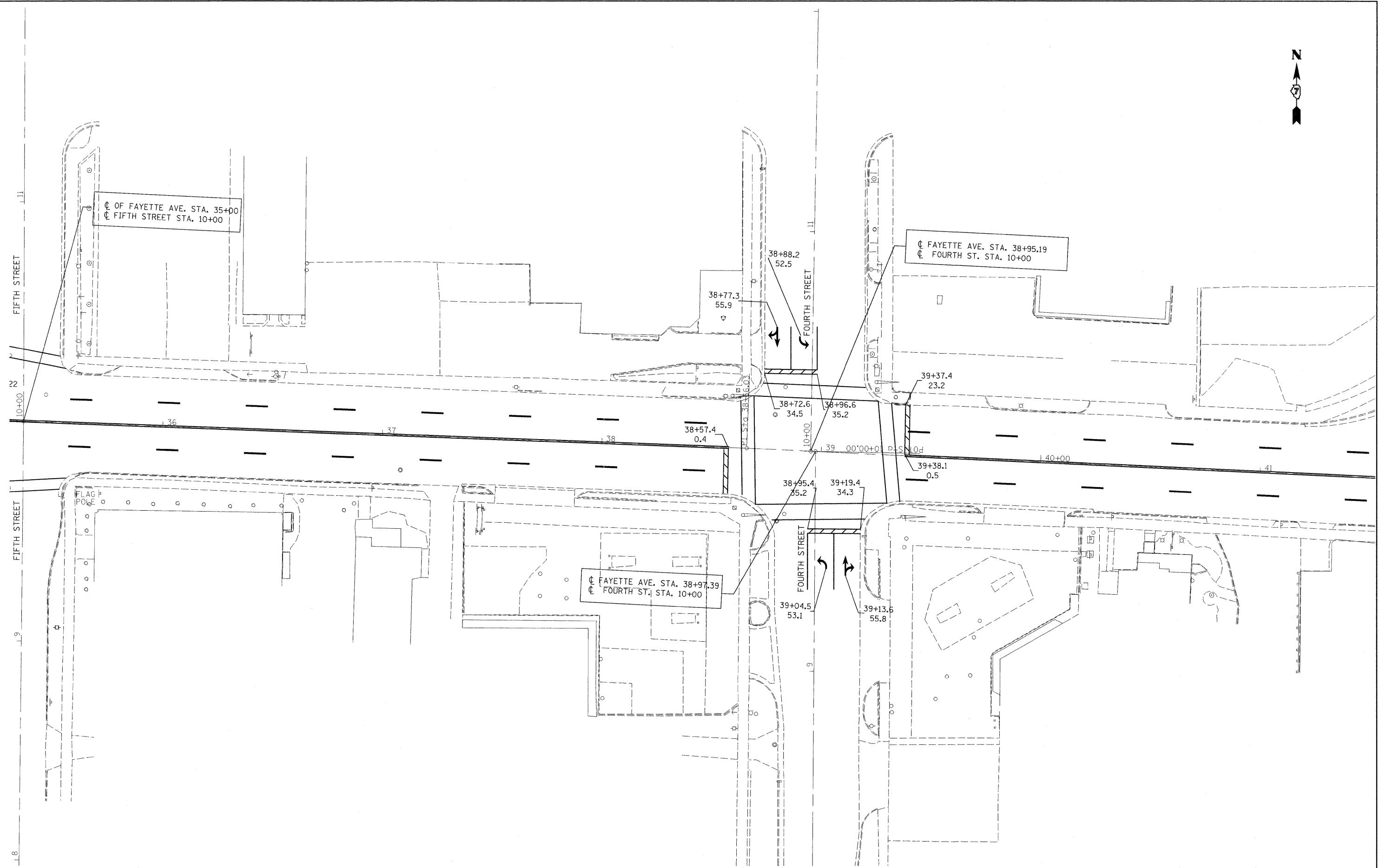
FAP ROUTE 95  
 SECTION (18Z,JRS-3)  
 PROJECT BEGINS  
 STATION 132+52

EXIST. CURVE FAY10  
 PI STA. = 134+34.29  
 $\Delta = 1^\circ 51' 09''$  (RT)  
 $D = 1^\circ 29' 55''$   
 $R = 3,823.20'$   
 $T = 61.81'$   
 $L = 123.61'$   
 $E = 0.50'$   
 $e =$   
 $T.R. =$   
 $S.E. RUN =$   
 $P.C. STA. = 133+72.48$   
 $P.T. STA. = 134+96.09$

☉ OF FAYETTE AVE. STA. 35+00  
 ☉ FIFTH STREET STA. 10+00



FILE NAME =	USER NAME = swartzrw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING</b>		F.A.P. RTE. 95	SECTION (18Z,JRS-3)	COUNTY EFFINGHAM	TOTAL SHEETS 38	SHEET NO. 22
c:\pwork\pwork\swartzrw\dms51160\shp\pavementmarking_74254.dgn	PLOT SCALE = 20,0000' / IN.	DRAWN -	REVISED -		SCALE: 20	SHEET NO. 1 OF 11 SHEETS	STA. 132+52 TO STA. 36+00	CONTRACT NO. 74254		ILLINOIS FED. AID PROJECT	
	PLOT DATE = 3/19/2009	CHECKED -	REVISED -								
		DATE -	REVISED -								



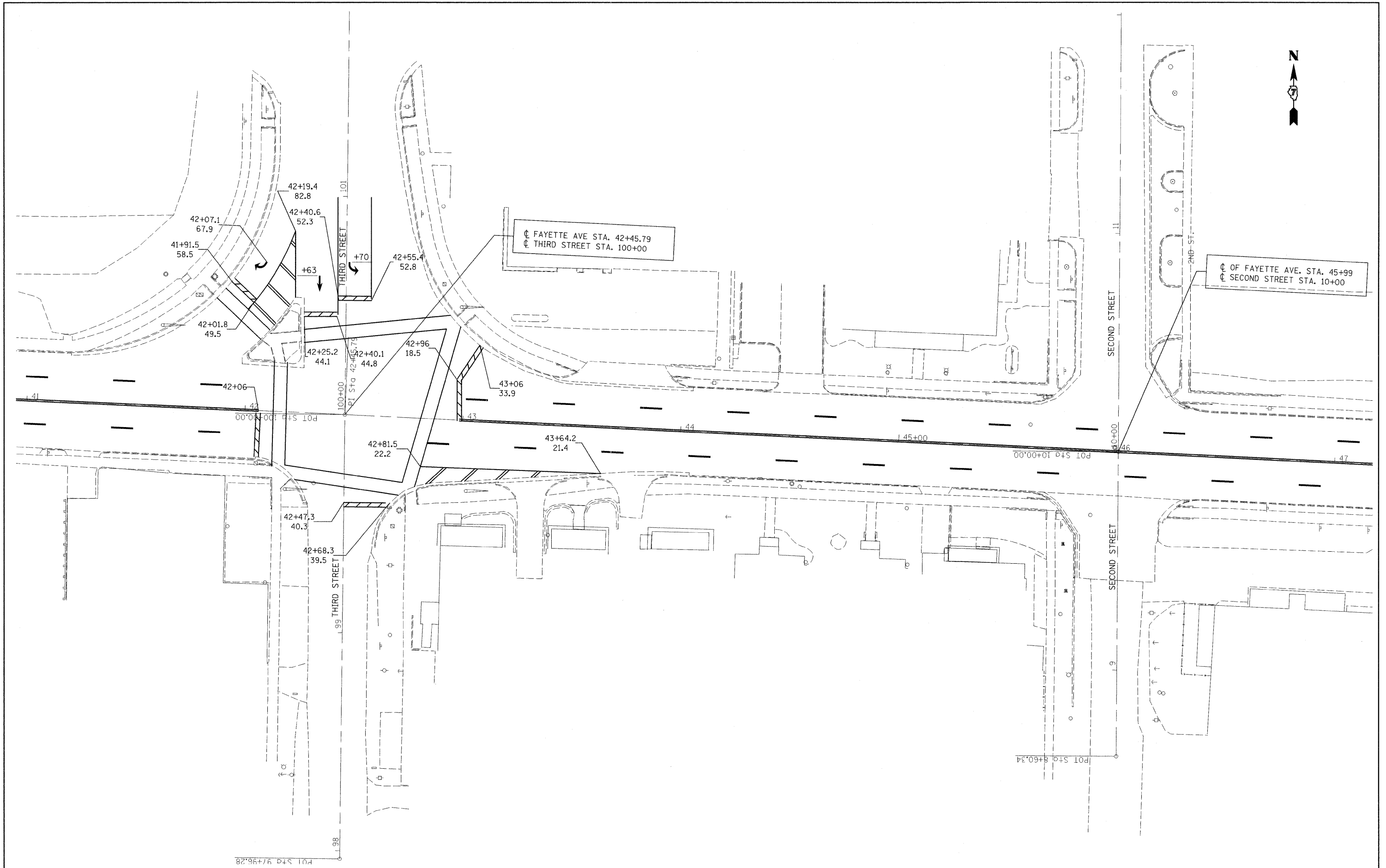
FILE NAME =	USER NAME = swartzrw	DESIGNED -	REVISED -
c:\pwork\pwork\swartzrw\dms51168\shp\pavementmar-king-74254.dgn		DRAWN -	REVISED -
PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 3/19/2009		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING**

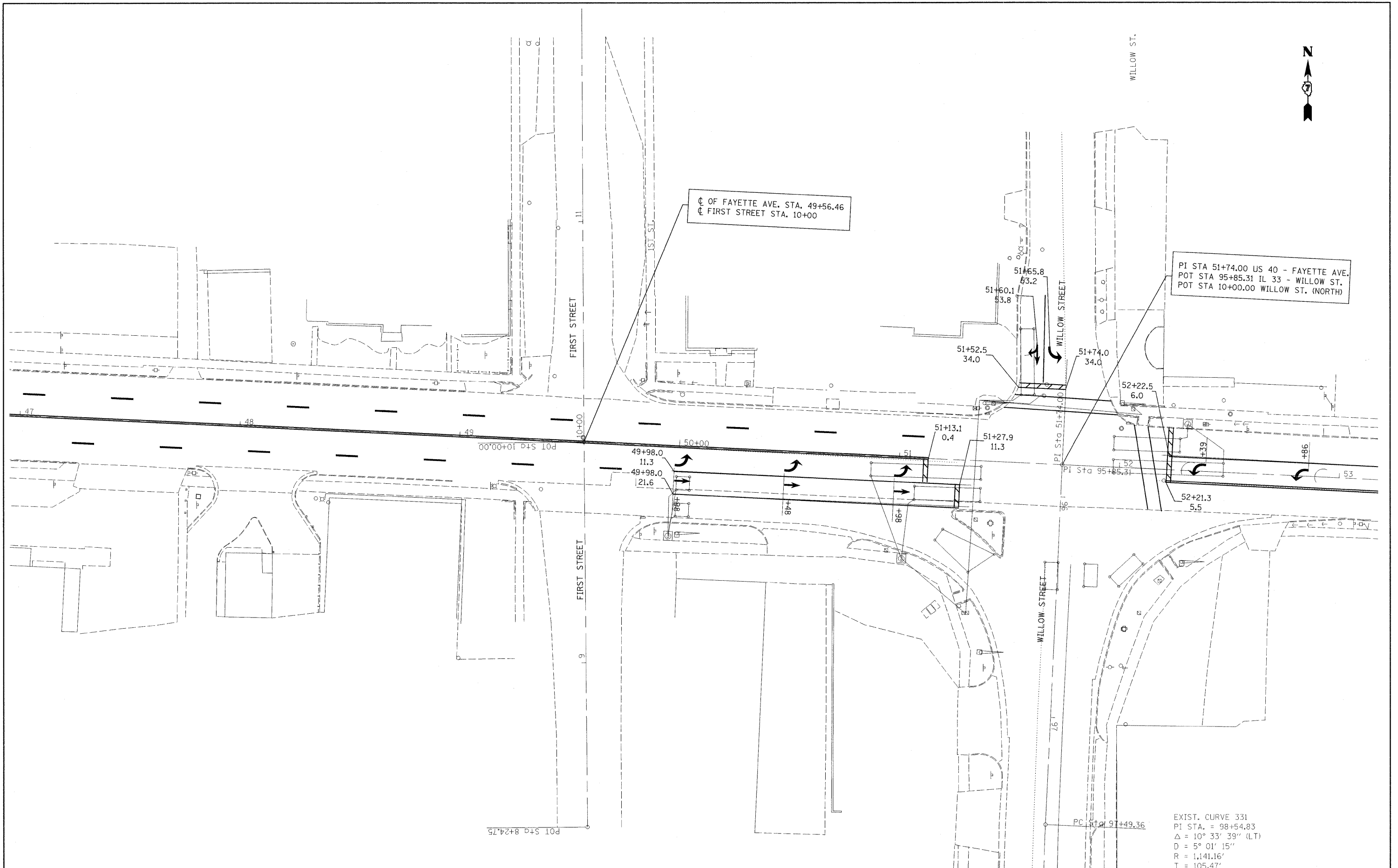
SCALE: 20      SHEET NO. 2 OF 11 SHEETS      STA. 36+00      TO STA. 41+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	(18Z,JRS-3	EFFINGHAM	38	23
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 74254	



FILE NAME = c:\pw\work\p\dot\swar\trw\dms51160\shp\pavementmarking_74254.dgn	USER NAME = swartrw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 20.0000' / 1" /	CHECKED -	REVISED -				95	(18Z,JRS-3	EFFINGHAM	38	24	
PLOT DATE = 3/19/2009	DATE -	REVISED -	REVISED -		SCALE: 20	SHEET NO. 3 OF 11 SHEETS	STA. 41+00 TO STA. 47+00	CONTRACT NO. 74254				
							FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



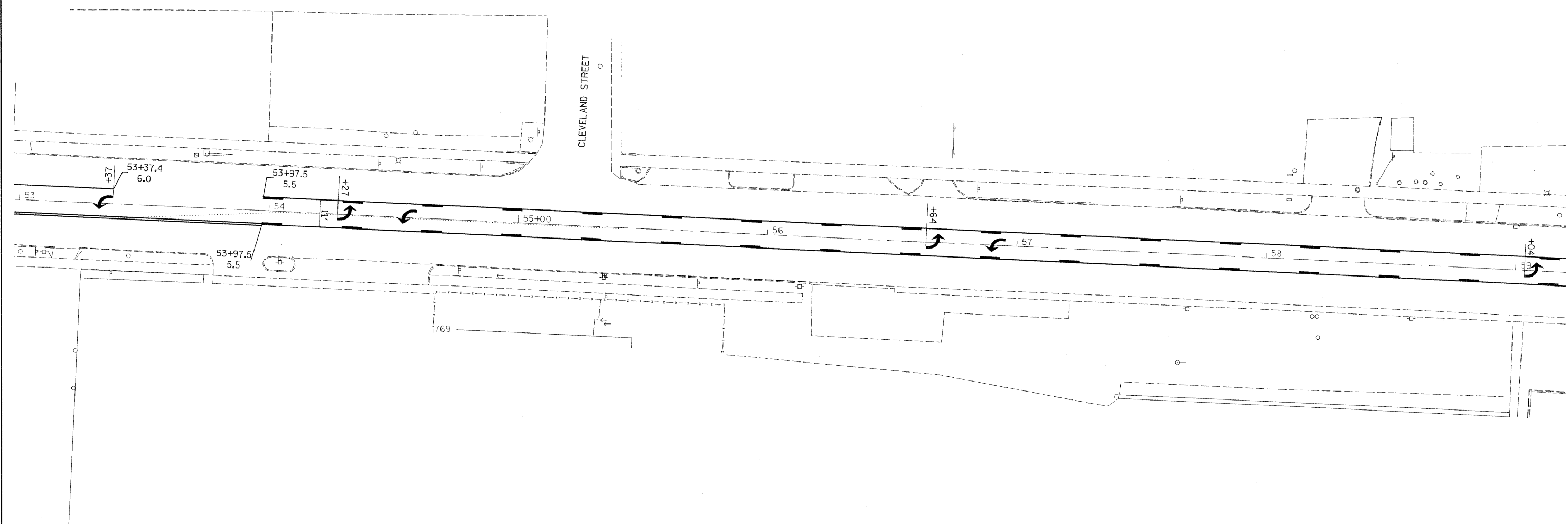


FILE NAME =	USER NAME = swartzrw	DESIGNED -	REVISED -
c:\pwork\pwork\swartzrw\dms51160\shp\pavementmarking_74254.dgn		DRAWN -	REVISED -
PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 3/19/2009		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PAVEMENT MARKING</b>	
SCALE: 20	SHEET NO. 4 OF 11 SHEETS
STA. 47+00	TO STA. 53+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	(18Z)JRS-3	EFFINGHAM	38	25
CONTRACT NO. 74254				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



FILE NAME =	USER NAME = swartzrw	DESIGNED -	REVISED -
c:\pw_work\pw\dot\swartzrw\dms51160\sh-tp	ementmarking_74254.dgn	DRAWN -	REVISED -
	PLOT SCALE = 20,0000 1 / IN.	CHECKED -	REVISED -
	PLOT DATE = 3/19/2009	DATE -	REVISED -

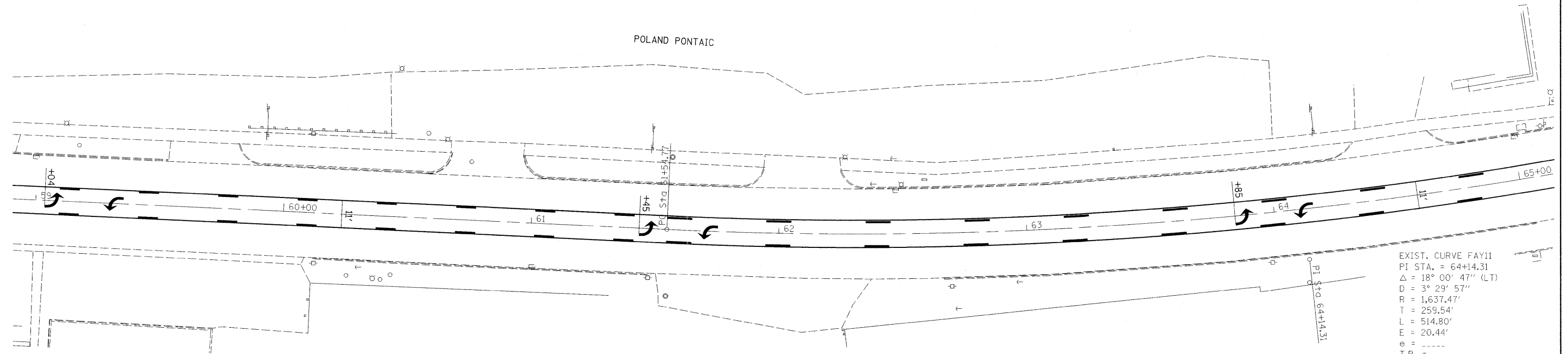
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PAVEMENT MARKING</b>			
SCALE: 20	SHEET NO. 5 OF 11 SHEETS	STA. 53+00	TO STA. 59+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	(18Z,JRS-3	EFFINGHAM	38	26
CONTRACT NO. 74254			ILLINOIS FED. AID PROJECT	

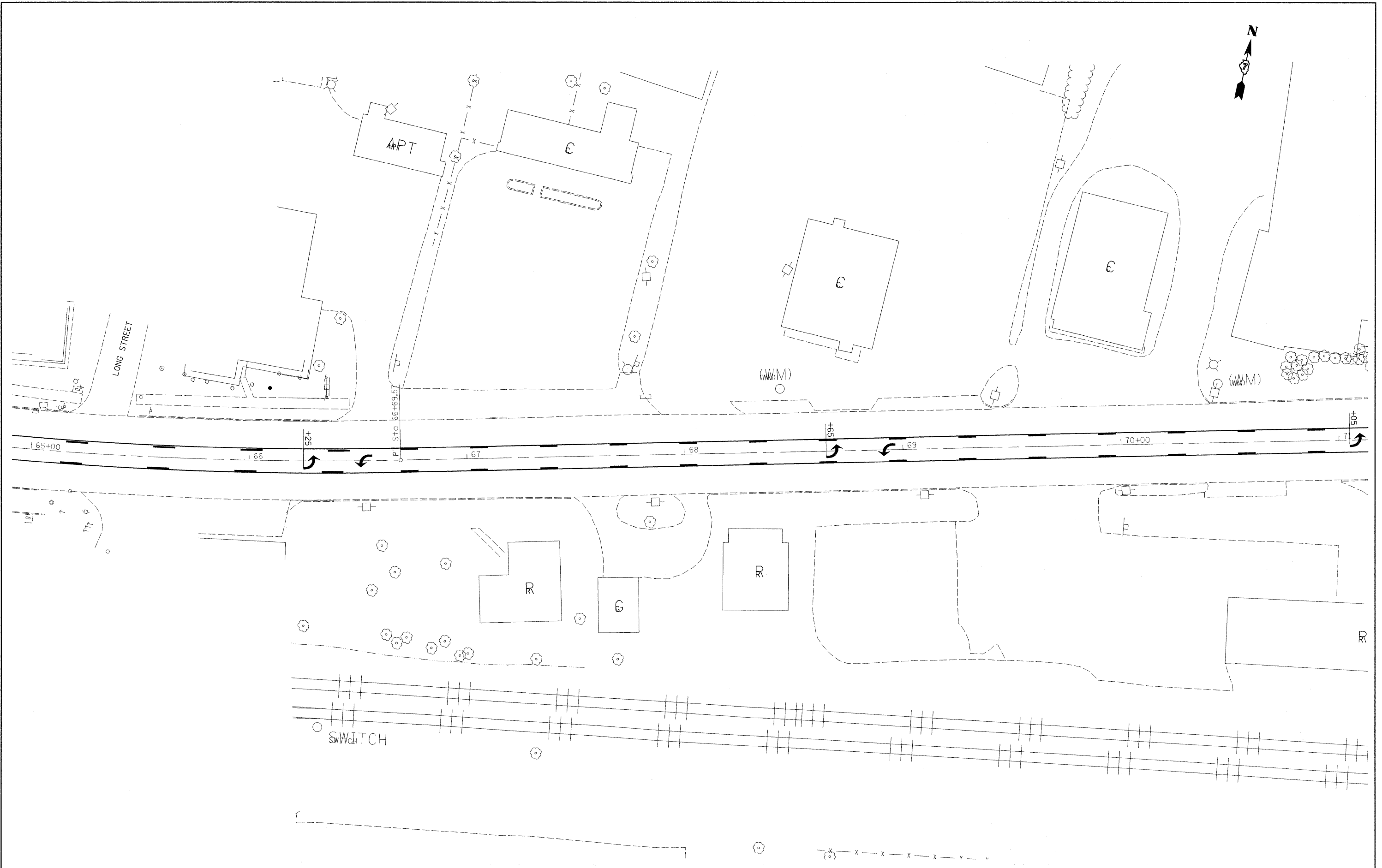


POLAND PONTAIC

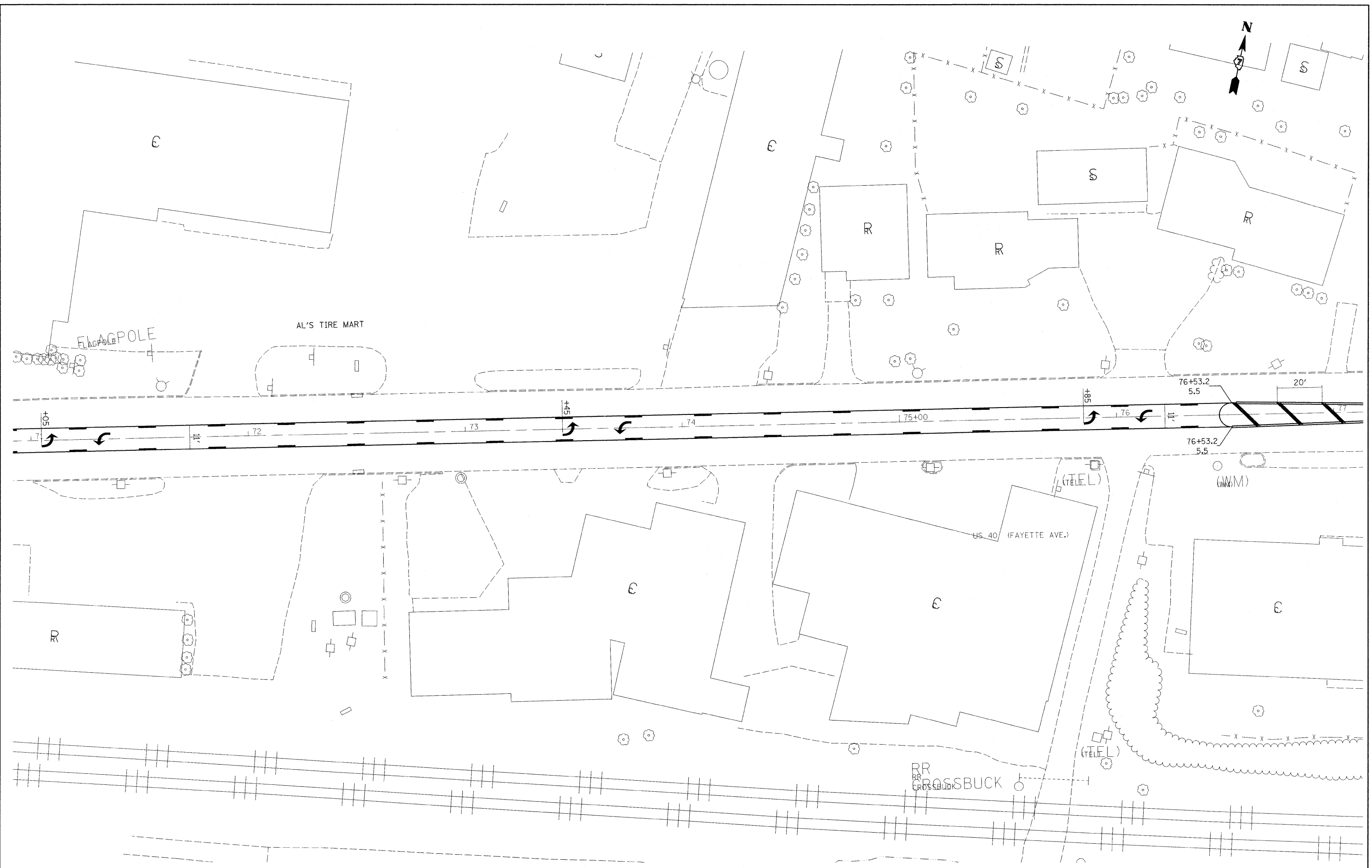


EXIST. CURVE FAY11  
 PI STA. = 64+14.31  
 $\Delta = 18^\circ 00' 47''$  (LT)  
 $D = 3^\circ 29' 57''$   
 $R = 1,637.47'$   
 $T = 259.54'$   
 $L = 514.80'$   
 $E = 20.44'$   
 $e =$  -----  
 $T.R. =$  -----  
 $S.E. RUN =$  -----  
 $P.C. STA. = 61+54.77$   
 $P.T. STA. = 66+69.57$

FILE NAME =	USER NAME = swortzrw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw\work\p\dot\swortzrw\adms51160\shp\pavementmarking_74254.dgn		DRAWN -	REVISED -		95	(18Z,JRS-3	EFFINGHAM	38	27			
PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 74254							
PLOT DATE = 3/19/2009		DATE -	REVISED -		SCALE: 20	SHEET NO. 6 OF 11 SHEETS	STA. 59+00 TO STA. 65+00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



FILE NAME = c:\pw_work\pwi\dot\swortzrk\dms51160\shp\pavementmarking-74254.dgn	USER NAME = swortzrk	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING</b>			F.A.P. RTE. 95	SECTION (18Z,JRS-3)	COUNTY EFFINGHAM	TOTAL SHEETS 38	SHEET NO. 28
	PLOT SCALE = 20,0000' / IN.	CHECKED -	REVISED -		SCALE: 20	SHEET NO. 7 OF 11 SHEETS	STA. 65+00	TO STA. 71+00	CONTRACT NO. 74254			
PLOT DATE = 3/19/2009	DATE -	REVISED -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

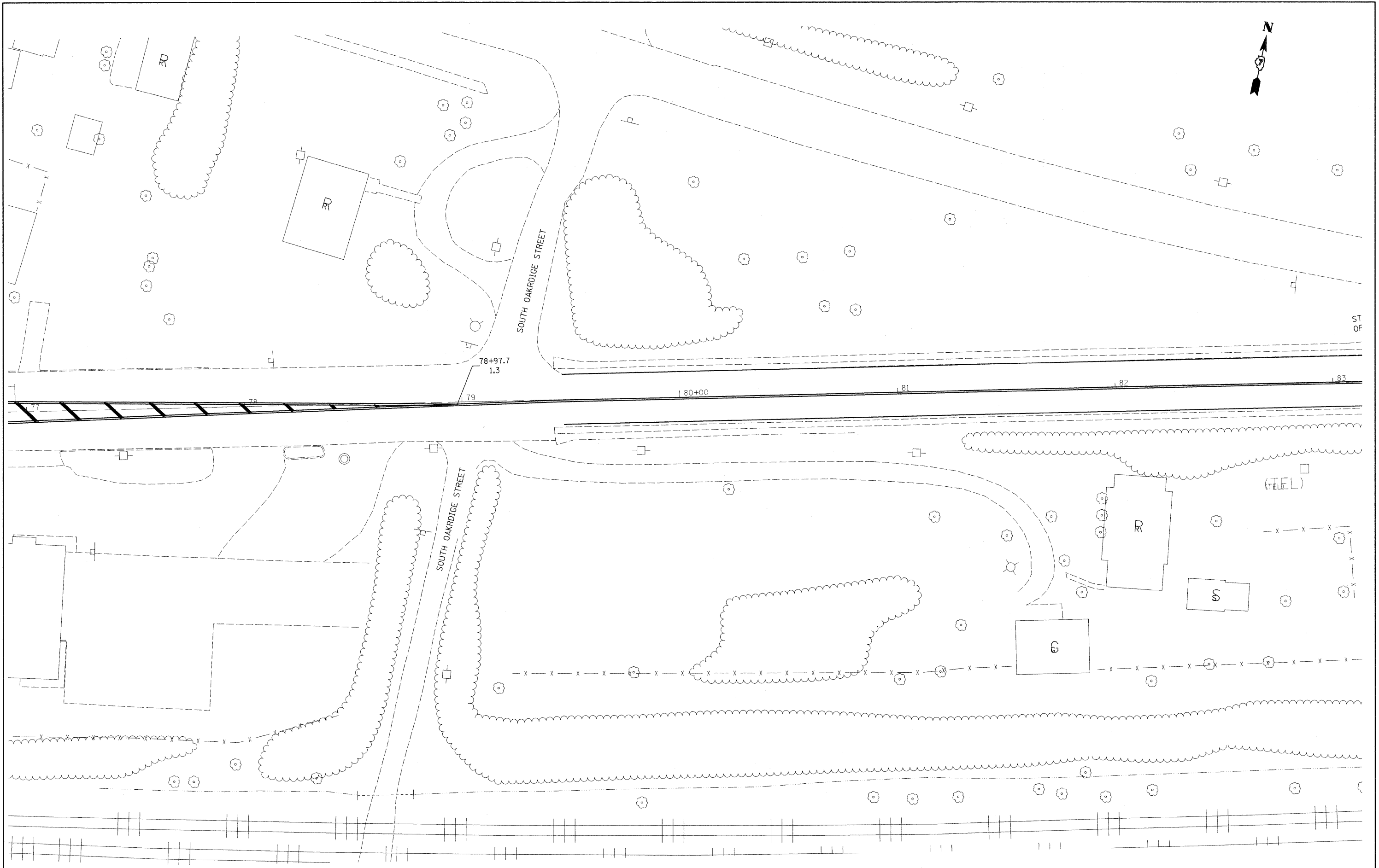


FILE NAME =	USER NAME = swartzrw	DESIGNED -	REVISED -
ca:\pw_work\p1dot\swartzrw\dms51160\shp\pavementmarking_74254.dgn		DRAWN -	REVISED -
	PLOT SCALE = 20,0000 1/ IN.	CHECKED -	REVISED -
	PLOT DATE = 3/19/2009	DATE -	REVISED -

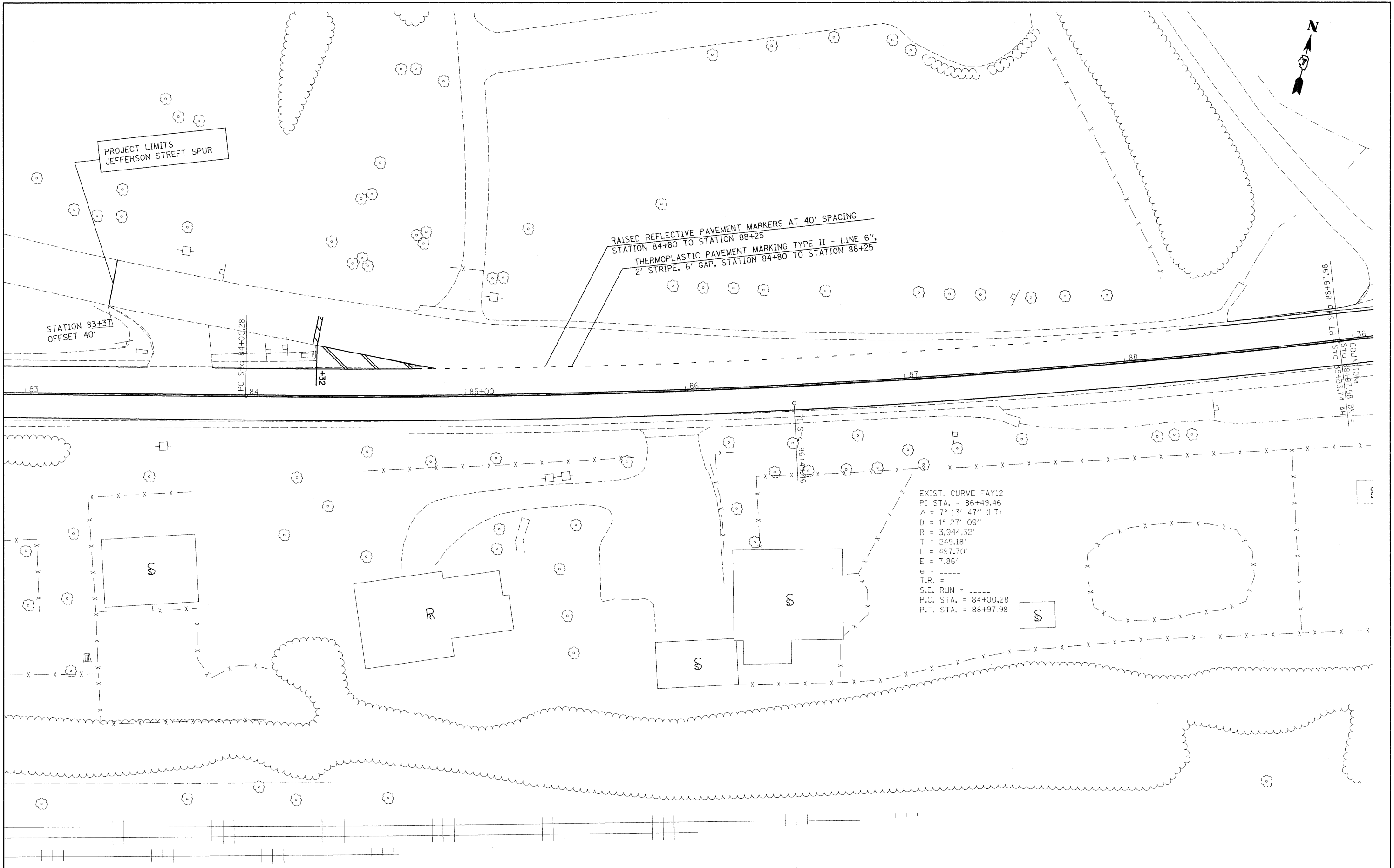
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PAVEMENT MARKING</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		95	(18Z,JRS-3)	EFFINGHAM	38	29
SCALE: 20		SHEET NO. 8 OF 11 SHEETS		STA. 71+00 TO STA. 77+00		CONTRACT NO. 74254

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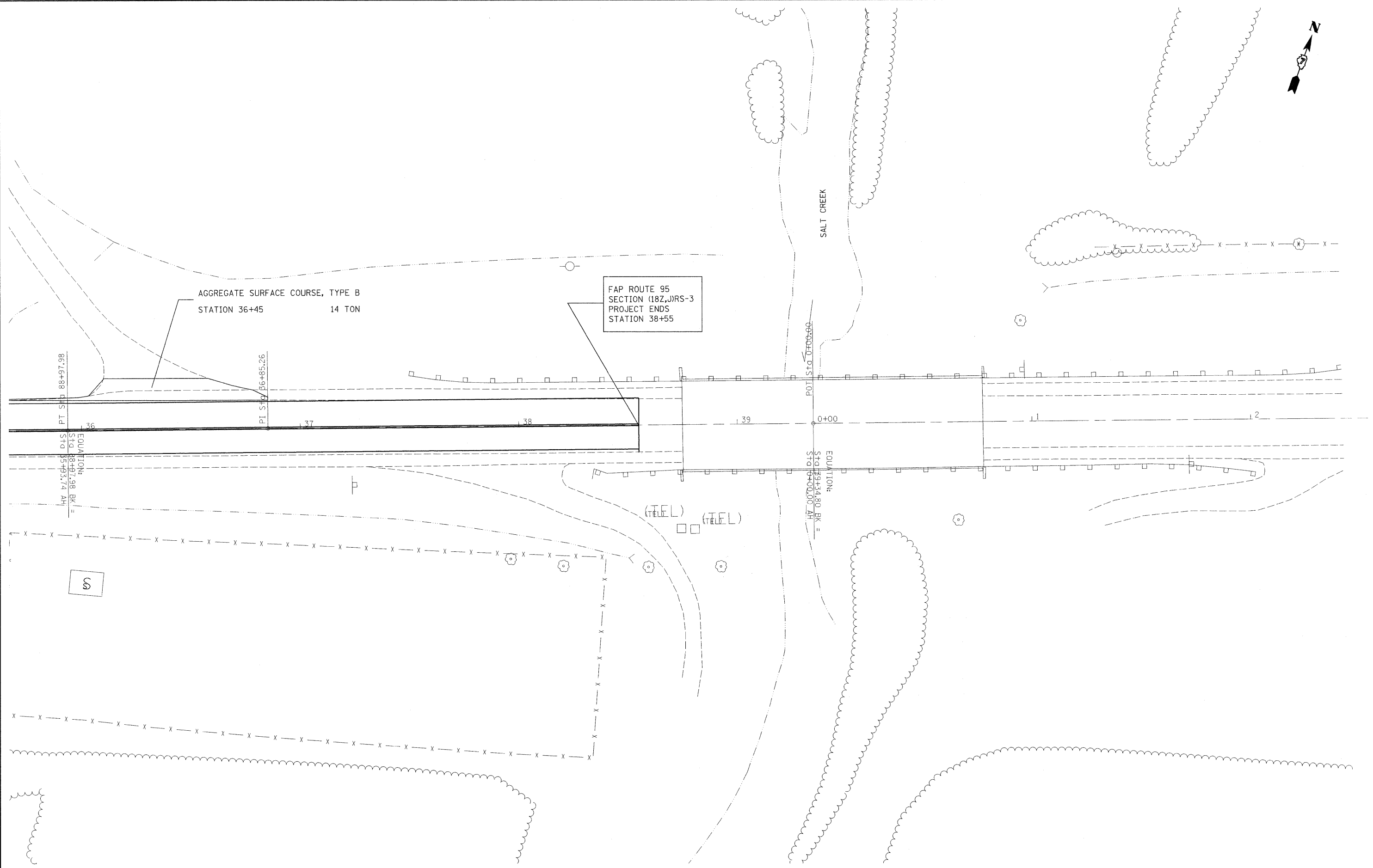


FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\psidot\swartzw\dms5160\shp\pavementmarking_74254.dgn		DRAWN -	REVISED -		SCALE: 20	SHEET NO. 9 OF 11 SHEETS	STA. 77+00 TO STA. 83+00	95	(18Z,JRS-3	EFFINGHAM	38	30
	PLOT SCALE = 20,0000 1/ IN.	CHECKED -	REVISED -					CONTRACT NO. 74254				
	PLOT DATE = 3/19/2009	DATE -	REVISED -					FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



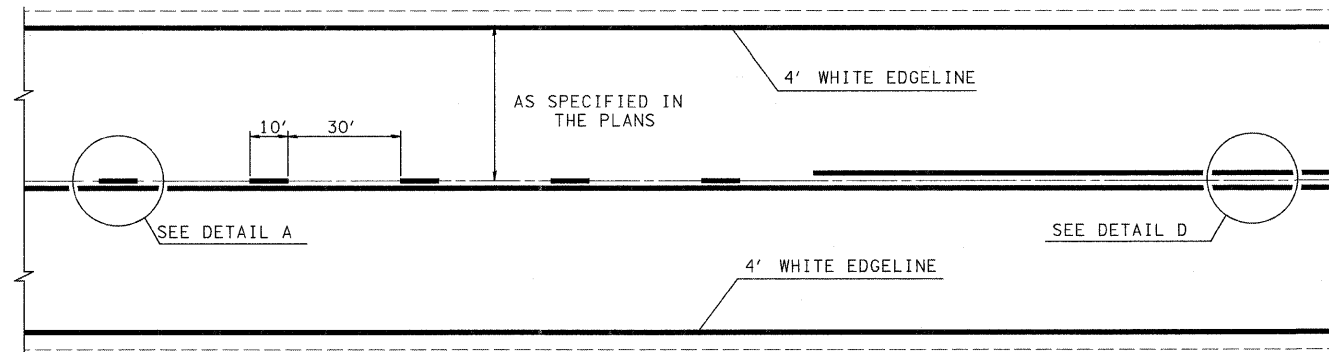
EXIST. CURVE FAY12  
 PI STA. = 86+49.46  
 $\Delta = 7^\circ 13' 47''$  (LT)  
 $D = 1^\circ 27' 09''$   
 $R = 3,944.32'$   
 $T = 249.18'$   
 $L = 497.70'$   
 $E = 7.86'$   
 $\theta = \text{---}$   
 $T.R. = \text{---}$   
 $S.E. \text{ RUN} = \text{---}$   
 $P.C. \text{ STA.} = 84+00.28$   
 $P.T. \text{ STA.} = 88+97.98$

FILE NAME =	USER NAME = swartzrw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwork\pwork\swartzrw\dms51160\shp\pavementmarking_74254.dgn		DRAWN -	REVISED -		SCALE: 20	SHEET NO. 10 OF 11 SHEETS	STA. 83+00	TO STA. 36+00	95	(18Z)JRS-3	EFFINGHAM	38 31
	PLOT SCALE = 20,0000' / IN.	CHECKED -	REVISED -		CONTRACT NO. 74254							
	PLOT DATE = 3/19/2009	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

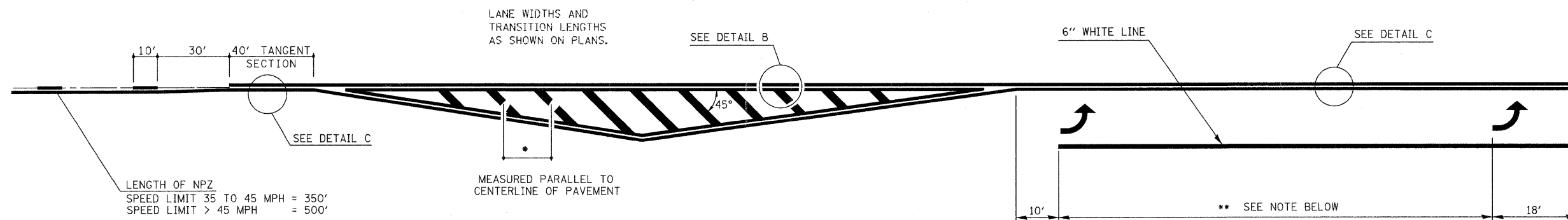


FILE NAME = c:\pwork\pwork\swartzw\dms51160\shp\pavementmarking_74254.dgn	USER NAME = swartzw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING</b>			F.A.P. RTE. 95	SECTION (18Z,JRS-3)	COUNTY EFFINGHAM	TOTAL SHEETS 38	SHEET NO. 32
	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -		SCALE: 20	SHEET NO. 11 OF 11 SHEETS	STA. 36+00	TO STA. 38+55	CONTRACT NO. 74254			
PLOT DATE = 3/19/2009	DATE -	REVISED -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							





TYPICAL CENTERLINE, NO PASSING ZONE LINE (NPZ) & EDGELINE MARKINGS  
2-LANE PAVEMENT



LENGTH OF NPZ  
SPEED LIMIT 35 TO 45 MPH = 350'  
SPEED LIMIT > 45 MPH = 500'

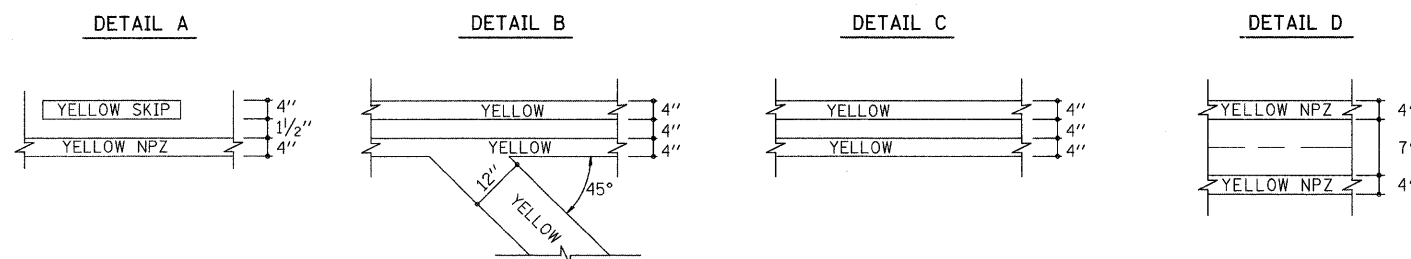
**\*DIAGONAL SPACING**

SPEED LIMIT	< 30 MPH	= 15'
SPEED LIMIT	30 TO 45 MPH	= 20'
SPEED LIMIT	> 45 MPH	= 30'

\*\* PLACE THE FIRST ARROW EVEN WITH THE BEGINNING OF THE TURN BAY.  
PLACE ANOTHER ARROW 18' BACK FROM THE STOP BAR. IF REQUIRED,  
ADD ADDITIONAL ARROWS TO MAINTAIN A MAXIMUM OF 80' SPACING.

**NOTES:**

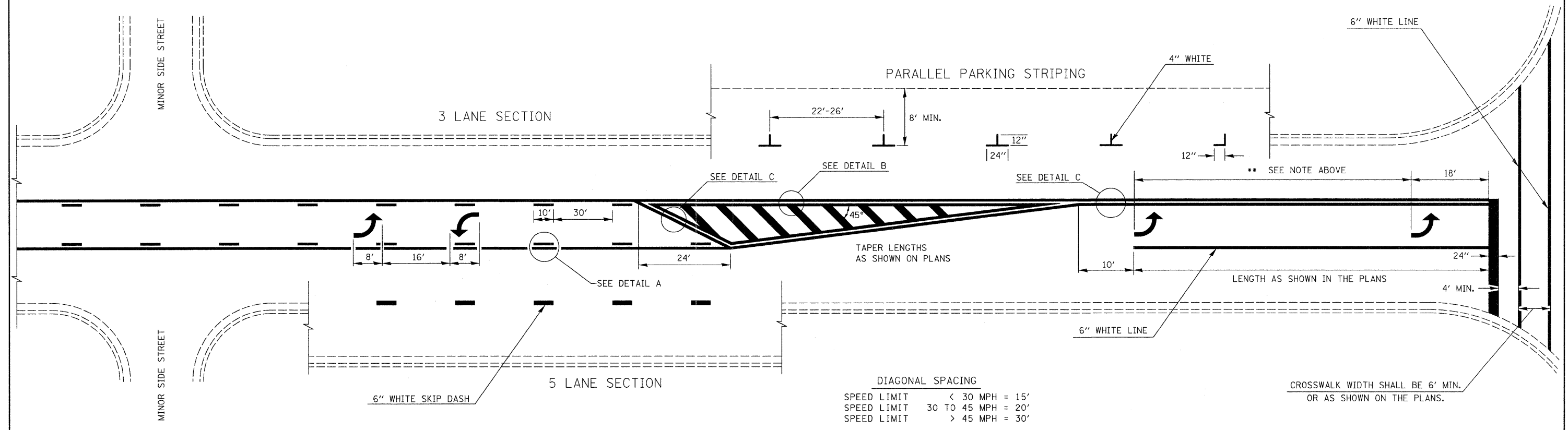
1. OMIT EDGELINE THRU SIDE ROADS.
2. TAPER RATES, LANE WIDTHS, AND STORAGE LENGTHS AS SHOWN ON THE PLANS.
3. WHEN MEDIANS ARE PRESENT, PLACE A SINGLE YELLOW STRIPE AROUND ITS PERIMETER.



NOT TO SCALE

FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED - MKS 4-08	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL APPLICATIONS OF PAVEMENT MARKINGS</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\swartzw\dms51160\shdtdetails_74254.dgn		DRAWN -	REVISED -		95	(18Z,JRS-3	EFFINGHAM	38	33				
	PLOT SCALE = 50,0000' / IN.	CHECKED -	REVISED -		CONTRACT NO. 74254				FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			
	PLOT DATE = 3/19/2009	DATE -	REVISED -		SCALE: NA	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.					

\*\* PLACE THE FIRST ARROW EVEN WITH THE BEGINNING OF THE TURN BAY.  
 PLACE ANOTHER ARROW 18' BACK FROM THE STOP BAR, IF REQUIRED,  
 ADD ADDITIONAL ARROWS TO MAINTAIN A MAXIMUM OF 80' SPACING.



DIAGONAL SPACING

SPEED LIMIT	< 30 MPH	= 15'
SPEED LIMIT	30 TO 45 MPH	= 20'
SPEED LIMIT	> 45 MPH	= 30'

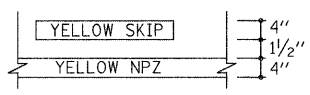
CROSSWALK WIDTH SHALL BE 6' MIN.  
 OR AS SHOWN ON THE PLANS.

**TYPICAL BI-DIRECTIONAL TURN LANE MARKINGS**  
 (SHOWING TRANSITION TO EXCLUSIVE LEFT TURN LANE)

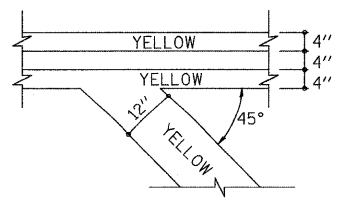
NOTES:

1. NO LESS THAN 2 ARROWS SHALL BE USED.
2. TAPER RATES, LANE WIDTHS, AND STORAGE LENGTHS AS SHOWN ON THE PLANS.
3. AVOID PLACING BI-DIRECTIONAL ARROWS IN INTERSECTIONS.
4. BI-DIRECTIONAL ARROWS SHALL BE SPACED A MAXIMUM OF 250'.

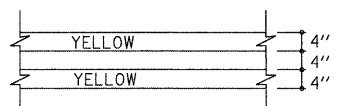
DETAIL A



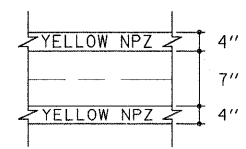
DETAIL B



DETAIL C

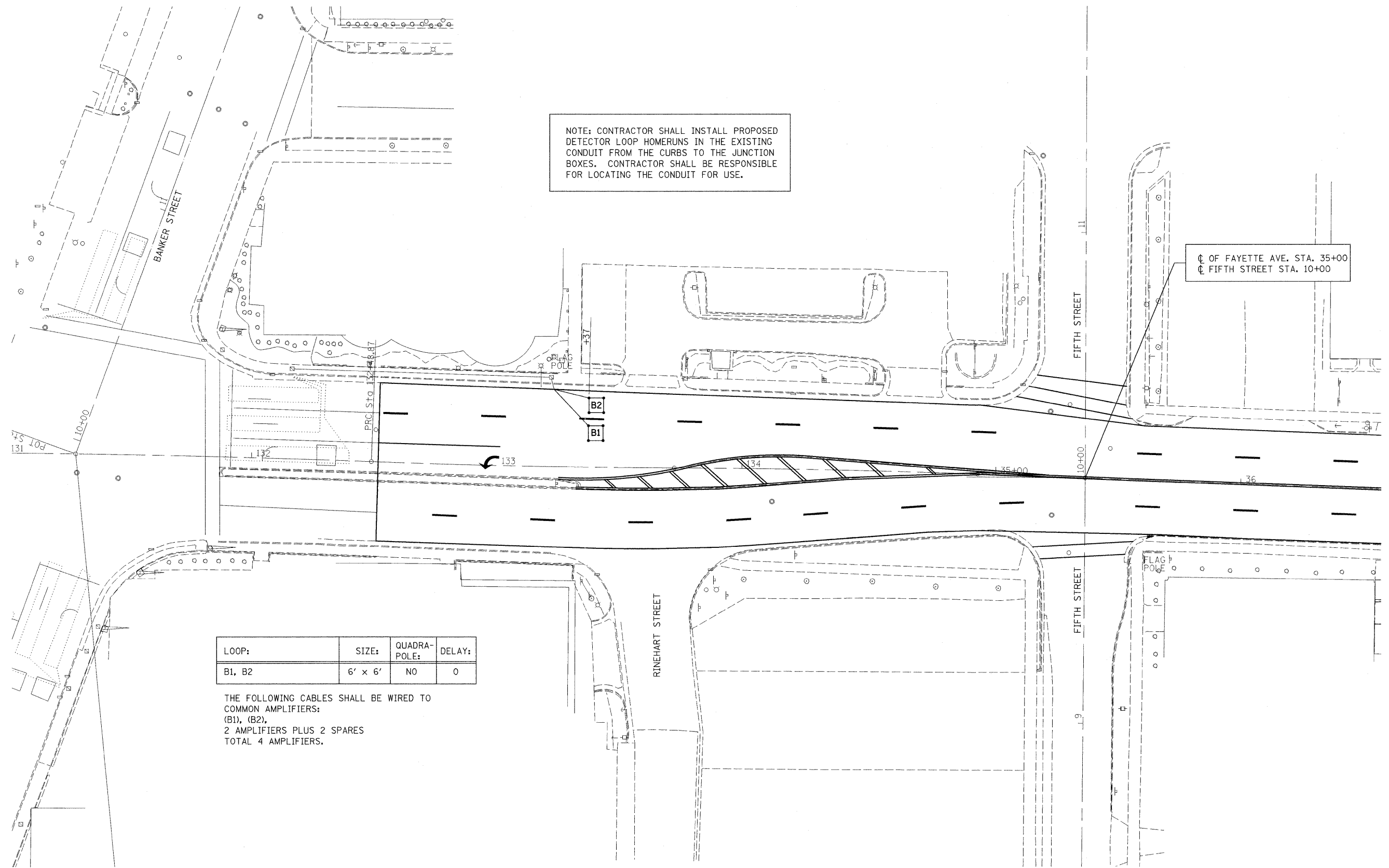


DETAIL D



NOT TO SCALE

FILE NAME =	USER NAME = swartzrw	DESIGNED -	REVISED - MKS 4-08	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL APPLICATIONS OF PAVEMENT MARKINGS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\swartzrw\dms51160\shdtdetails.74254.dgn	DRAWN -	REVISED -	95					(18Z)RS-3	EFFINGHAM	38	34	
PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 74254									
PLOT DATE = 3/19/2009	DATE -	REVISED -	SCALE: NA		SHEET NO. 2 OF 2 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT				

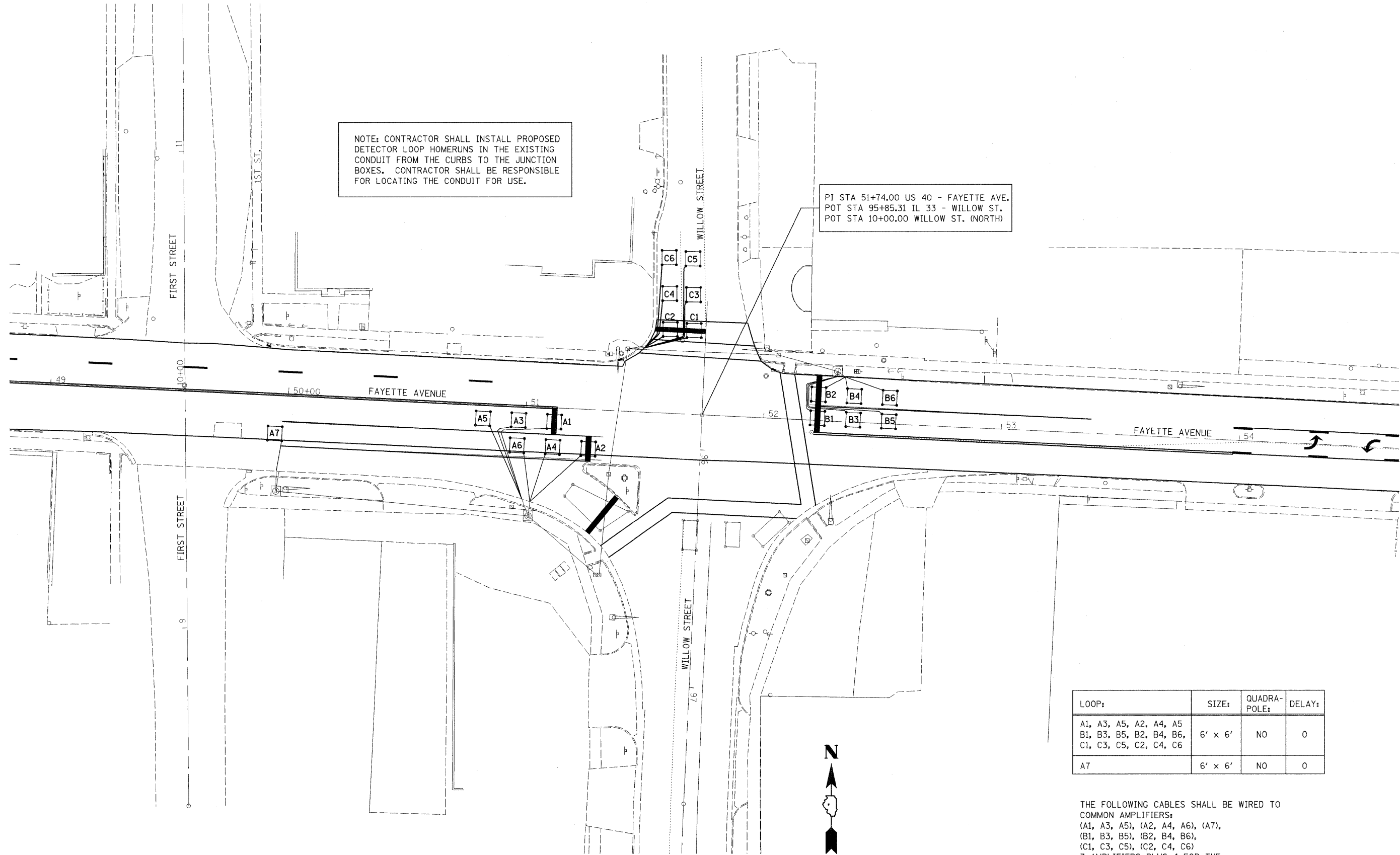


NOTE: CONTRACTOR SHALL INSTALL PROPOSED DETECTOR LOOP HOMERUNS IN THE EXISTING CONDUIT FROM THE CURBS TO THE JUNCTION BOXES. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING THE CONDUIT FOR USE.

CL OF FAYETTE AVE. STA. 35+00  
CL FIFTH STREET STA. 10+00

LOOP:	SIZE:	QUADRA-POLE:	DELAY:
B1, B2	6' x 6'	NO	0

THE FOLLOWING CABLES SHALL BE WIRED TO COMMON AMPLIFIERS:  
(B1), (B2),  
2 AMPLIFIERS PLUS 2 SPARES  
TOTAL 4 AMPLIFIERS.



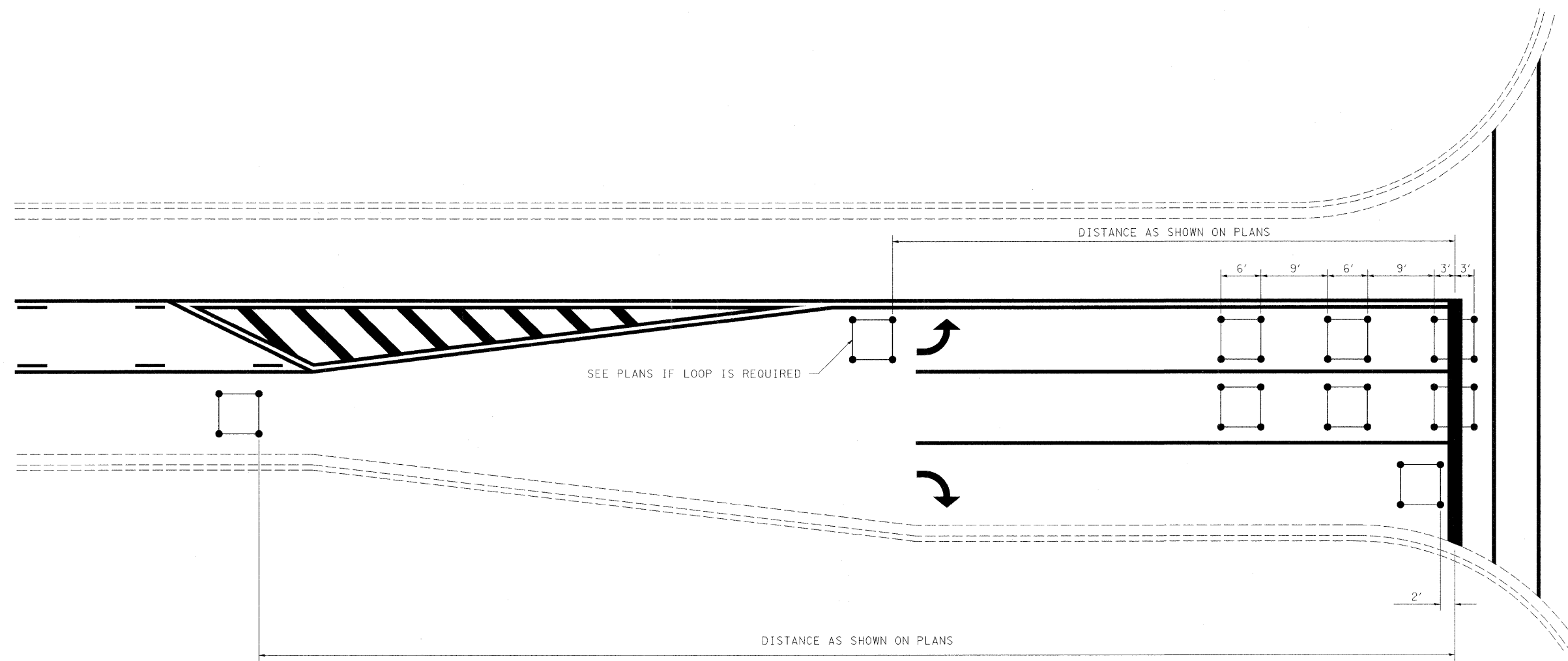
NOTE: CONTRACTOR SHALL INSTALL PROPOSED DETECTOR LOOP HOMERUNS IN THE EXISTING CONDUIT FROM THE CURBS TO THE JUNCTION BOXES. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING THE CONDUIT FOR USE.

PI STA 51+74.00 US 40 - FAYETTE AVE.  
 POT STA 95+85.31 IL 33 - WILLOW ST.  
 POT STA 10+00.00 WILLOW ST. (NORTH)

LOOP:	SIZE:	QUADRA-POLE:	DELAY:
A1, A3, A5, A2, A4, A5 B1, B3, B5, B2, B4, B6, C1, C3, C5, C2, C4, C6	6' x 6'	NO	0
A7	6' x 6'	NO	0

THE FOLLOWING CABLES SHALL BE WIRED TO COMMON AMPLIFIERS:  
 (A1, A3, A5), (A2, A4, A6), (A7),  
 (B1, B3, B5), (B2, B4, B6),  
 (C1, C3, C5), (C2, C4, C6)  
 7 AMPLIFIERS PLUS 4 FOR THE EXISTING LOOPS ON SOUTH WILLOW  
 PLUS 3 SPARES  
 TOTAL 14 AMPLIFIERS.

## TYPICAL APPLICATION OF DETECTOR LOOPS



**NOTE:**

1. EACH LOOP SHALL HAVE ITS OWN HOMERUN TO THE GULFBOX/HANDHOLE.
2. LOOPS SHOULD BE CENTERED IN EACH LANE.
3. USE 6' BY 6' LOOPS FOR LANE WIDTHS OF 11' OR GREATER.
4. USE 5' BY 5' LOOPS IF LANE WIDTH IS LESS THAN 11'.

NOT TO SCALE

FILE NAME =	USER NAME = swartzrw	DESIGNED -	REVISED - MKS 4-08	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL APPLICATIONS OF DETECTOR LOOPS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw_work\pwidot\swartzrw\dms51160\shdt	tails.74254.dgn	DRAWN -	REVISED -		95	(18Z,JRS-3	EFFINGHAM	38	37			
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -		CONTRACT NO. 74254							
	PLOT DATE = 3/19/2009	DATE -	REVISED -		SCALE: NA	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

