

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	18-Z RS-2	EFFINGHAM	32	1
		ILLINOIS	CONTRACT NO. 74454	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

**PROPOSED  
HIGHWAY PLANS**

F.A.P. ROUTE 95 (U.S. 40)  
SECTION 18-Z RS-2  
PROJECT F-0095(056)  
RESURFACING (3P)  
EFFINGHAM COUNTY

C-97-096-10

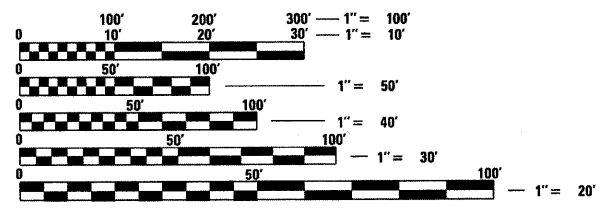
R 6 E

PROJECT ENDS:  
STA. 133 + 64.20

FOR INDEX OF SHEETS, SEE SHEET NO. 2

ADT = 17,100 (2009)

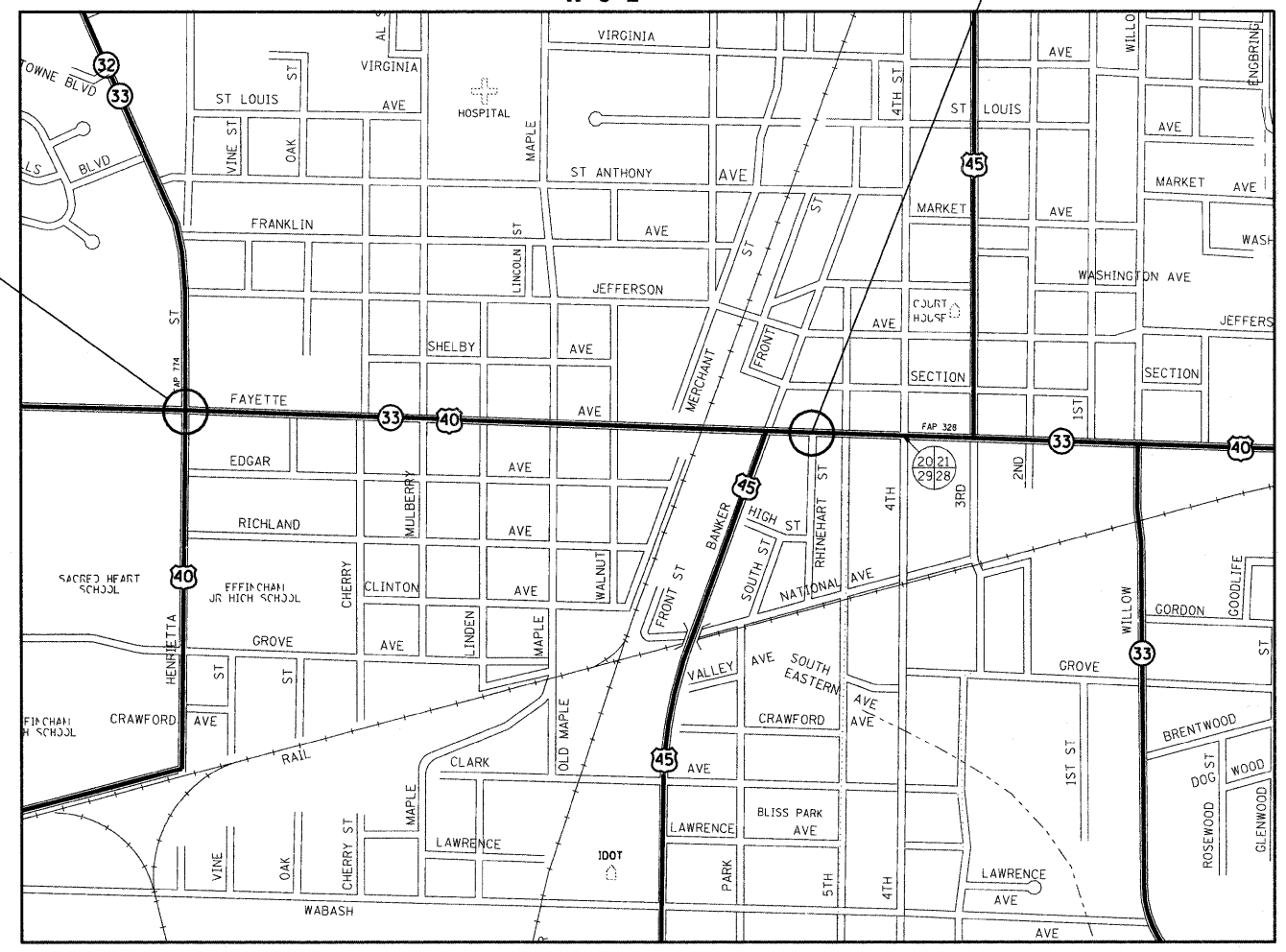
PROJECT BEGINS:  
STA. 99 + 22.71



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: JEFF DAVISON  
PHONE 217-342-8320  
CONTRACT NO. 74454



GROSS LENGTH = 3,441.49 FT. = 0.65 MILE  
NET LENGTH = 3,328.97 FT. = 0.63 MILE



LOCATION OF SECTION INDICATED THUS: — ■ —

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED Dec 13 2010  
Roman J. Dardell  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

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

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

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OF THE STATE OF ILLINOIS

## 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 U.S. ROUTE 40 IN EFFINGHAM BEGINNING AT HENRIETTA STREET AND EXTENDING EAST FOR 0.69 MILES TO RHINEHART STREET. THE WORK INCLUDED IN SECTION 18-Z RS-2 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 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.

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. PAINT SHALL BE USED ON MILLED SURFACES.

THE CONTRACTOR SHALL USE EITHER, RC-70, SS-1HP, OR SSIH APPLIED AT THE RATE DIRECTED BY THE ENGINEER, 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. DENSITY REQUIREMENTS MUST STILL BE MET.

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.

MILLING OF UTILITY PATCHES, EITHER HMA OR CONCRETE, SHALL BE CONSIDERED INCLUDED IN THE PAY ITEM HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4".

LANE DIFFERENTIALS OF 2" OR GREATER WILL NOT BE ALLOWED TO BE OPENED TO TRAFFIC.

TEMPORARY HMA TAPERS WILL BE REQUIRED IMMEDIATELY AFTER THE HOT-MIX ASPHALT SURFACE REMOVAL OPERATION HAS BEEN PERFORMED 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 RESIDENT ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE CURING TIME FOR THE HOT-MIX ASPHALT LEVELING BINDER AND SURFACE COURSE.

## GENERAL NOTES (Cont'd)

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

### SURFACE MIX (1 1/2")

APPLICATION: POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX •D•, N90  
 PG GRADE: PG 70-22  
 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

### INCIDENTAL SURFACING, (2 1/4")

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

### CLASS D PATCHING, 13"

APPLICATION: HOT-MIX ASPHALT BINDER COURSE, IL-19, N70  
 PG GRADE: PG 64-22  
 DESIGN AIR VOIDS: 4.0% @ NDESIGN = 70  
 MIXTURE COMPOSITION: IL-19  
 FRICTION AGGREGATE: N/A

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

## INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS, LIST OF STANDARDS AND GENERAL NOTES
3	SUMMARY OF QUANTITIES
4-7	TYPICAL SECTIONS
8-10	SCHEDULES
11-16	PLAN SHEETS
17-22	PAVEMENT STRIPING SHEETS
23-25	TRAFFIC SIGNAL SHEETS
26-29	PAVEMENT MARKING DETAILS
30	TRAFFIC COUNTER LOOP DETAIL
31-32	DETECTOR LOOP DETAILS

## STANDARDS IN THE PLANS

000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
420701-02	PAVEMENT FABRIC
442201-03	CLASS C AND D PATCHES
701426-04	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS > 45 MPH
701606-07	URBAN LANE CLOSURE, MULTILANE, 2W, WITH MOUNTABLE MEDIAN
701701-07	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-04	LANE CLOSURE, MULTILANE 1W OR 2W CROSSWALK OR SIDEWALK CLOSURE
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKINGS

FILE NAME =	USER NAME = swar-tzrw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES AND INDEX OF SHEETS</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ci:\pw\work\pwidot\swar-tzrw\d0185396\d77454-shr-index.dgn		DRAWN -	REVISED -		95	18-Z RS-2	EFFINGHAM	32	2		
PLOT SCALE = 100,0000 ' / IN.		CHECKED -	REVISED -		SCALE: NA SHEET NO. 1 OF 1 SHEETS STA. TO STA.		CONTRACT NO. 74454				
PLOT DATE = 12/13/2010		DATE -	REVISED -		ILLINOIS FED. AID PROJECT						

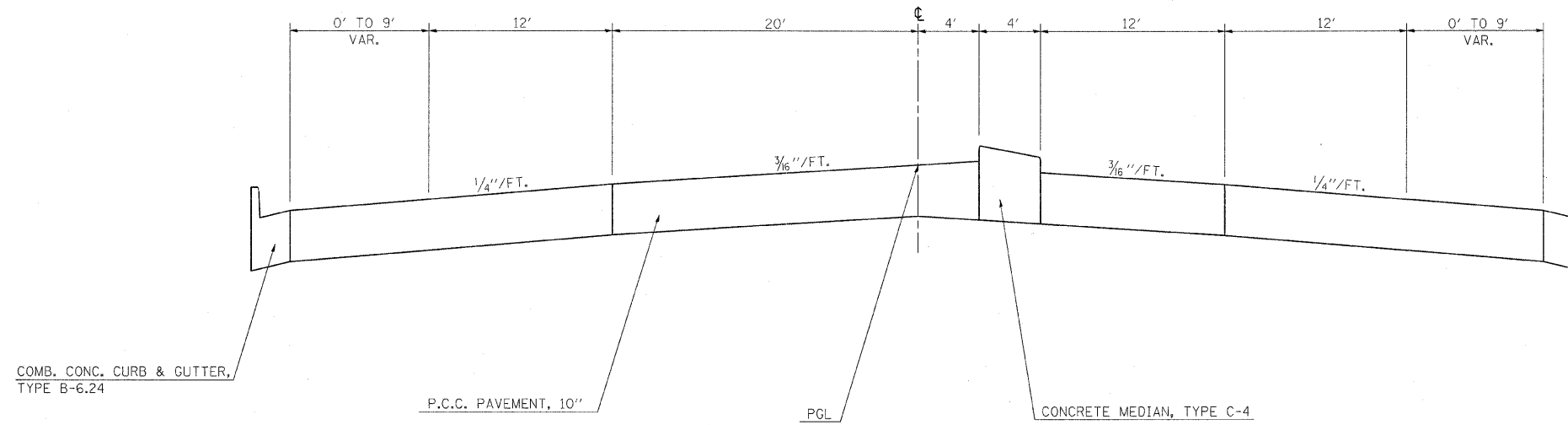
SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 80% FED. 20% STATE 0005
CODE NO	ITEM	UNIT		
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	1052	1052
40600300	AGGREGATE (PRIME COAT)	TON	21	21
40600645	LEVELING BINDER (MACHINE METHOD), N90	TON	419	419
40600990	TEMPORARY RAMP	SQ YD	343	343
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	13	13
40603545	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	851	851
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	49	49
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	10369	10369
44000161	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	SQ YD	151	151
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	18	18
44201769	CLASS D PATCHES, TYPE III, 10 INCH	SQ YD	72	72
44201798	CLASS D PATCHES, TYPE I, 13 INCH	SQ YD	28	28
44201803	CLASS D PATCHES, TYPE II, 13 INCH	SQ YD	160	160
44201807	CLASS D PATCHES, TYPE III, 13 INCH	SQ YD	178	178
44201809	CLASS D PATCHES, TYPE IV, 13 INCH	SQ YD	427	427
60605100	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 (ABUTTING EXISTING PAVEMENT)	FOOT	18	18
67100100	MOBILIZATION	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
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	4330	4330
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	62	62
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	4739	4739
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	1426	1426
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	64	64

SUMMARY OF QUANTITIES (Cont'd)			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 80% FED. 20% STATE 0005
CODE NO	ITEM	UNIT		
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	42	42
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1380	1380
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	160	160
78300100	PAVEMENT MARKING REMOVAL	SQ FT	2375	2375
81012200	CONDUIT IN TRENCH, 3/4" DIA., PVC	FOOT	6	6
81500100	GULFBOX JUNCTION	EACH	1	1
81500130	GULFBOX JUNCTION REMOVAL	EACH	1	1
* 81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	6	6
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	341	341
* 88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1	1
* 88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1	1
* 88200400	TRAFFIC SIGNAL BACKPLATE, FORMED PLASTIC	EACH	2	2
* 88600100	DETECTOR LOOP, TYPE I	FOOT	280	280
* 88800100	PEDESTRIAN PUSH-BUTTON	EACH	2	2
* 89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1
* X0323016	ELECTRIC CABLE IN CONDUIT * 14-7STRAND XHHW XLP-600V	FOOT	24	24
X4060995	TEMPORARY RAMP, SPECIAL	SQ YD	161	161
* X7800605	URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	265	265
* X7800610	URETHANE PAVEMENT MARKING - LINE 4"	FOOT	7097	7097
* X7800630	URETHANE PAVEMENT MARKING - LINE 6"	FOOT	2431	2431
* X7800640	URETHANE PAVEMENT MARKING - LINE 8"	FOOT	297	297
* X7800650	URETHANE PAVEMENT MARKING - LINE 12"	FOOT	163	163
* X7800680	URETHANE PAVEMENT MARKING - LINE 24"	FOOT	235	235
Z0026346	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1
Z0048900	RAILROAD TRACK REMOVAL	FOOT	62	62
89502210	MODIFY EXISTING CONTROLLER CABINET	EACH	1	1

\*SPECIALTY ITEM

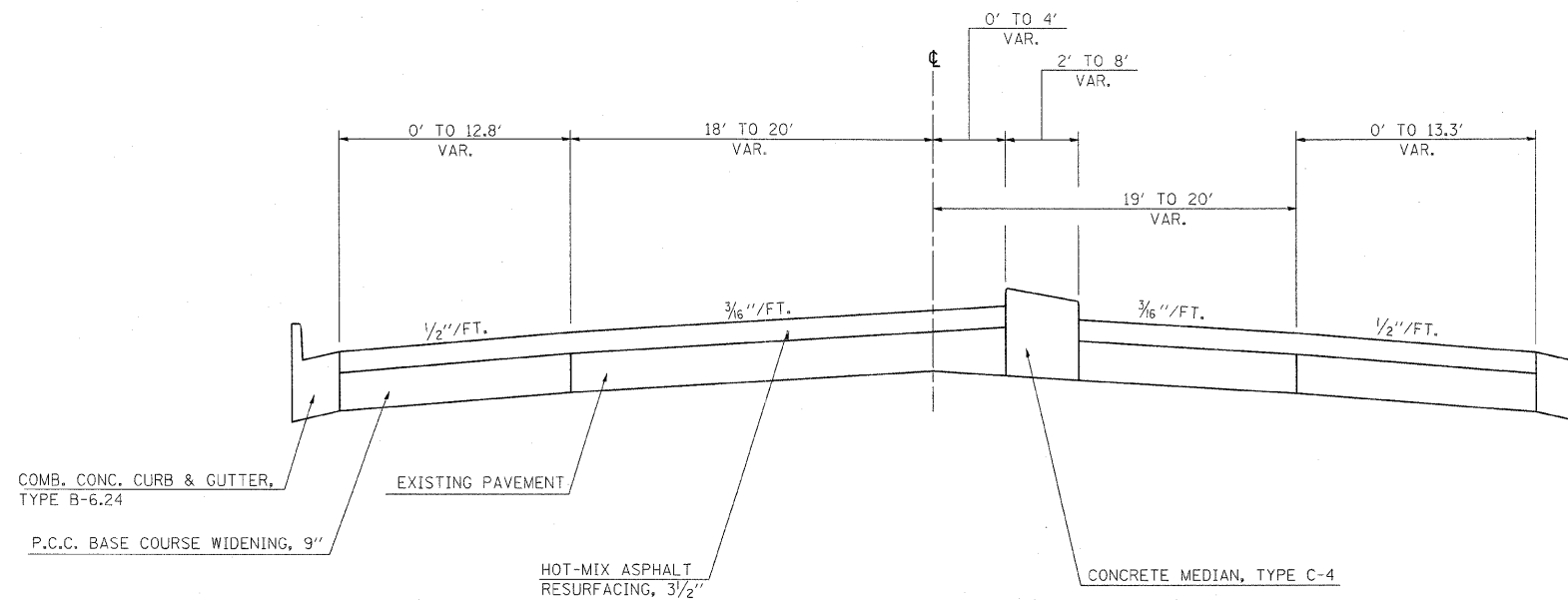
① EXISTING TYPICAL CROSS SECTION

STA. 99+22.71 TO STA. 100+22.27  
(PAVING OMISSION)



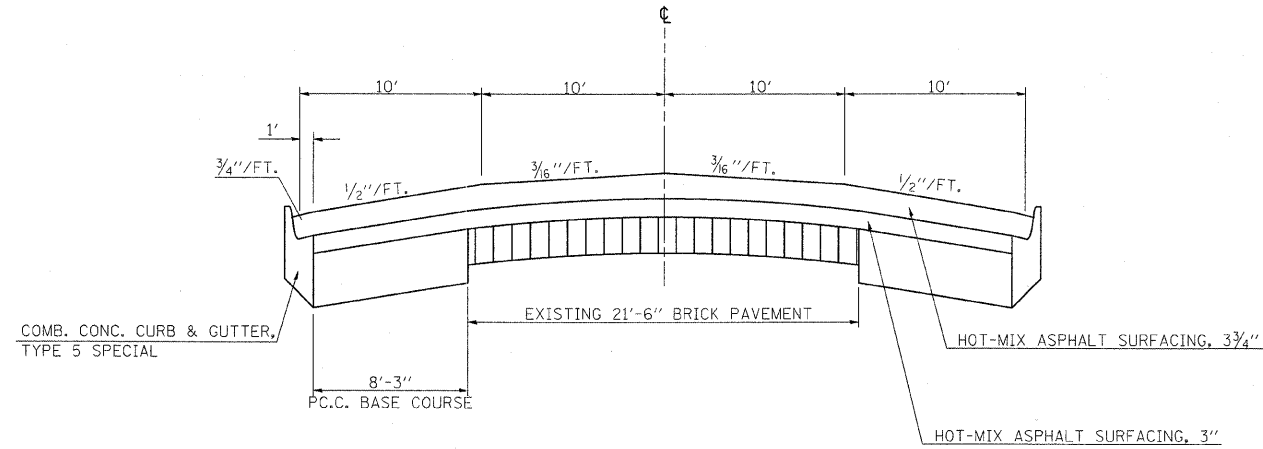
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STA. 100+22.27 TO STA. 101+83.12

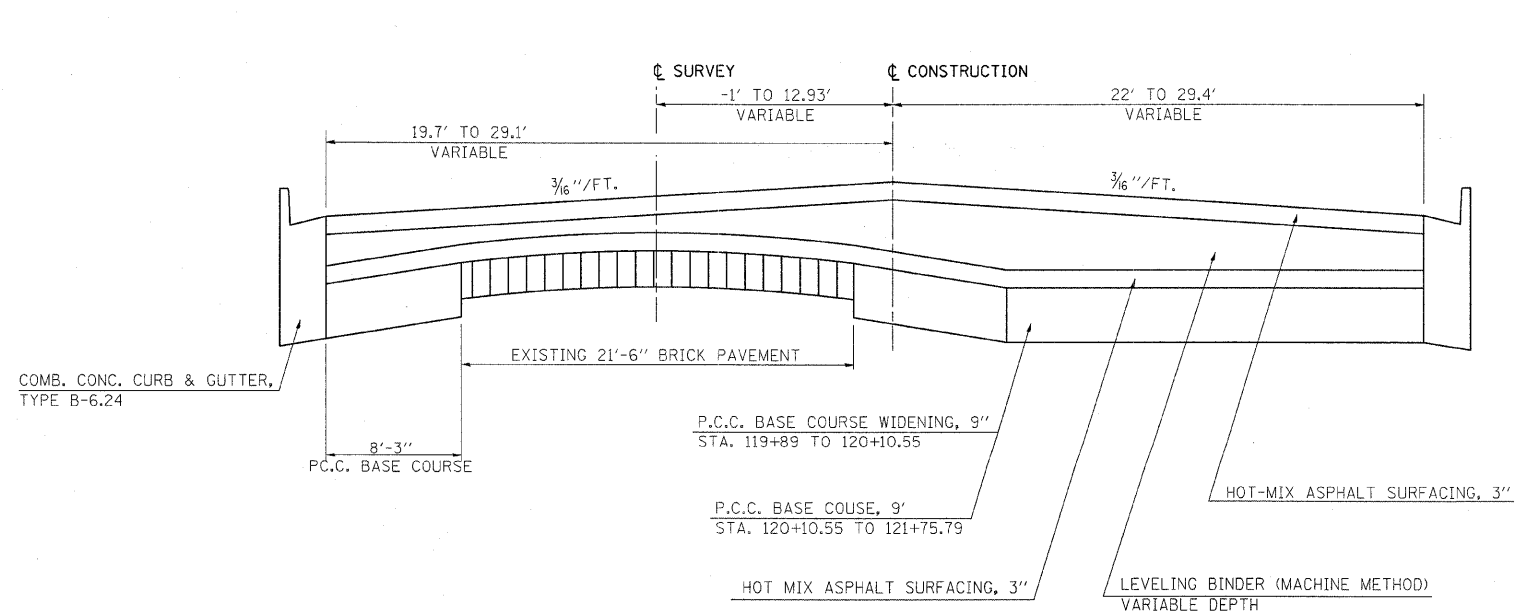


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PLOT SCALE = 50.0000 "/td> <td></td> <td>CHECKED -</td> <td>REVISED -</td> <td colspan="4" style="text-align: center;">CONTRACT NO. 74454</td>		CHECKED -	REVISED -		CONTRACT NO. 74454							
PLOT DATE = 12/13/2010		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							
				SCALE: NA	SHEET NO. 1 OF 4 SHEETS	STA.	TO STA.					

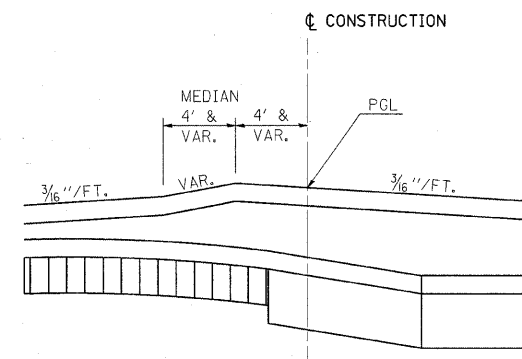
③ EXISTING TYPICAL CROSS SECTION  
 STA. 101+83.12 TO STA. 119+50.00



④ EXISTING TYPICAL CROSS SECTION  
 STA. 119+50.00 TO STA. 121+75.79

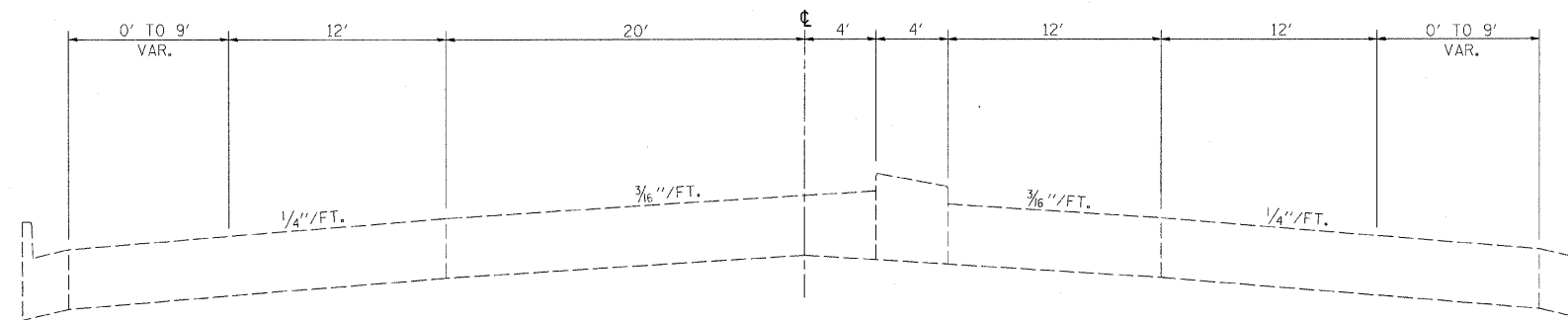


STA. 121+48.78 TO STA. 121+75.79

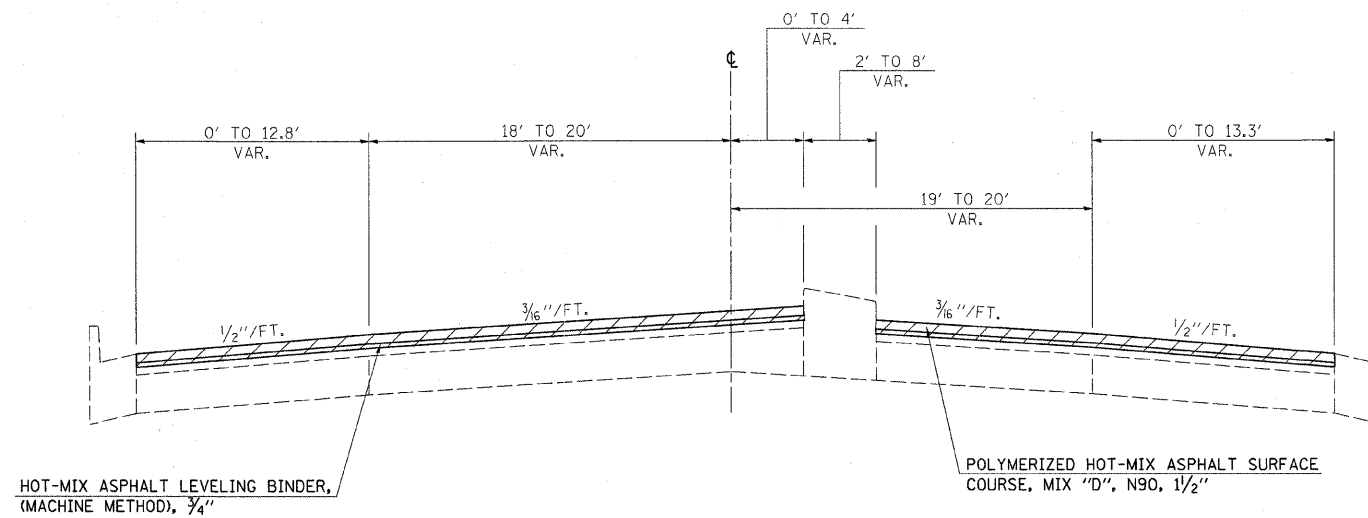



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	PLOT SCALE = 50,0000 / / IN.	CHECKED -	REVISED -										
	PLOT DATE = 12/13/2010	DATE -	REVISED -										
ILLINOIS FED. AID PROJECT													

① PROPOSED TYPICAL CROSS SECTION  
 STA. 99+22.71 TO STA. 100+22.27  
 (PAVING OMISSION)



② PROPOSED TYPICAL CROSS SECTION  
 STA. 100+22.27 TO STA. 101+83.12

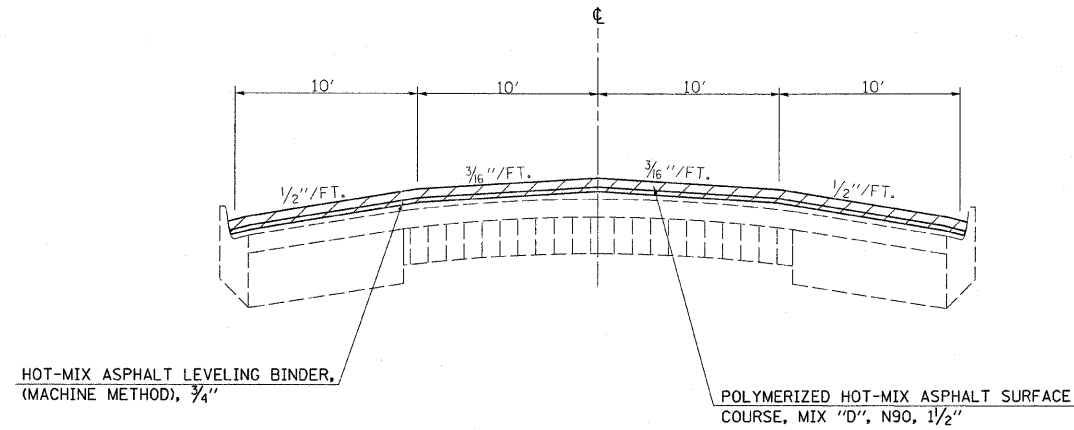



 HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"

FILE NAME =	USER NAME = skw-tzrw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED CROSS SECTIONS</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT DATE = 12/13/2010	DATE -	REVISED -	REVISED -									

③ PROPOSED TYPICAL CROSS SECTION

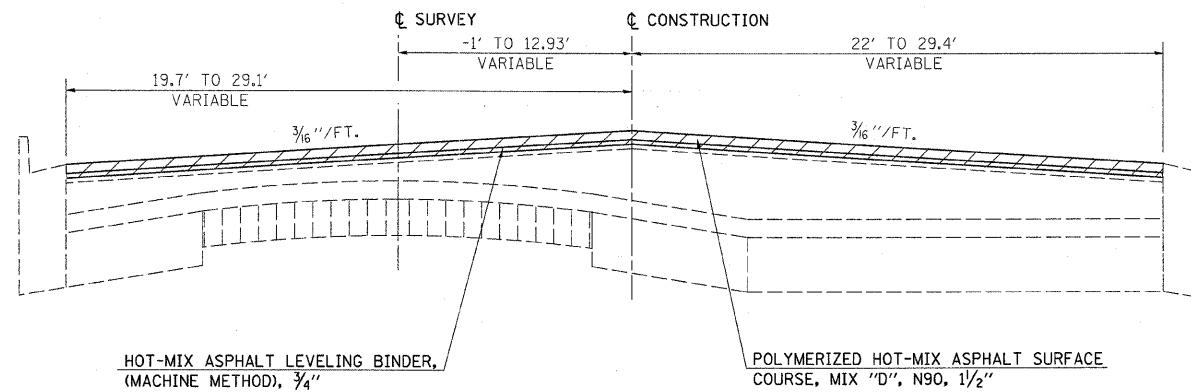
STA. 101+83.12 TO STA. 119+50.00



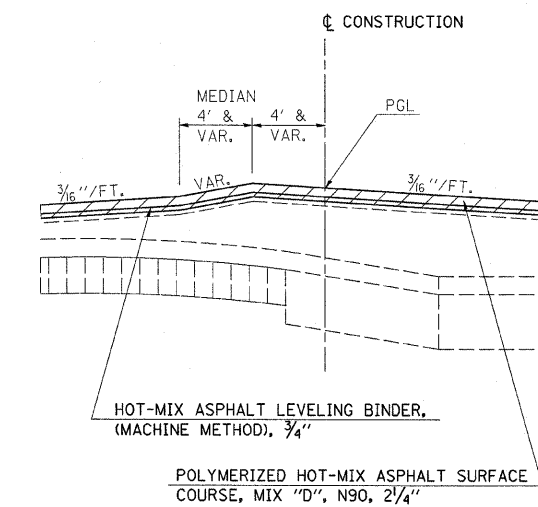
 HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"

④ PROPOSED TYPICAL CROSS SECTION

STA. 119+50.00 TO STA. 121+75.79



STA. 121+48.78 TO STA. 121+75.79



 HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"

FILE NAME =	USER NAME = swartzr	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED CROSS SECTIONS</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 74454								
PLOT DATE = 12/13/2010	DATE -	REVISED -	ILLINOIS FED. AID PROJECT								
				SCALE: NA	SHEET NO. 4 OF 4 SHEETS	STA. TO STA.					

PAVING SCHEDULE			LENGTH	PAVEMENT WIDTH	SHOULDER WIDTH	AREA	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	HOT-MIX ASPHALT SURFACE REMOVAL, 3"	LEVELING BINDER (MACHINE METHOD), N90	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	POLYMERIZED HOT MIX ASPHALT SURFACE COURSE, MIX "D", N90	INCIDENTAL HOT-MIX ASPHALT SURFACING
STATION	TO	STATION	FEET	FEET	FEET	SQ YD	GALLON	TON	SQ. YD.	SQ. YD.	TON	TON	TON	TON
US 40 (FAYETTE AVE.)														
99+22.71	TO	100+22.24	99.5	VARIABLE	NA	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
100+22.24	TO	101+93.50	171.3	VARIABLE	NA	925.1	92.5	1.9	925.1	0.0	38.9	0.0	77.7	0.0
101+93.50	TO	102+73.51	80.0	VARIABLE	NA	336.4	33.6	0.7	336.4	0.0	14.1	0.0	28.3	0.0
102+73.51	TO	104+96.89	223.4	40.0	NA	992.8	99.3	2.0	992.8	0.0	41.7	0.0	83.4	0.0
104+96.89	TO	108+57.12	360.2	40.0	NA	1,601.0	160.1	3.2	1601.0	0.0	67.2	0.0	134.5	0.0
108+57.12	TO	108+67.30	10.2	40.0	NA	45.2	4.5	0.1	45.2	0.0	1.9	0.0	3.8	0.0
108+67.30	TO	112+15.85	348.6	40.0	NA	1,549.1	154.9	3.1	1549.1	0.0	65.1	0.0	130.1	0.0
112+15.85	TO	115+77.09	361.2	40.0	NA	1,605.5	160.6	3.2	1605.5	0.0	67.4	0.0	134.9	0.0
115+77.09	TO	119+00.00	322.9	40.0	NA	1,435.2	143.5	2.9	1435.2	0.0	60.3	0.0	120.6	0.0
119+00.00	TO	121+75.59	275.6	VARIABLE	NA	1,489.4	148.9	3.0	1489.4	0.0	62.6	0.0	125.1	0.0
121+75.59	TO	123+01.42	125.8	VARIABLE	NA	NA	0.0	0.0	NA	0.0	0.0	0.0	0.0	0.0
123+01.42	TO	131+28.35	826.9	VARIABLE	NA	NA	0.0	0.0	NA	0.0	0.0	0.0	0.0	0.0
131+28.35	TO	132+51.68	123.3	VARIABLE	NA	NA	0.0	0.0	NA	0.0	0.0	0.0	0.0	0.0
132+51.68	TO	133+64.20	112.5	VARIABLE	NA	151.1	15.1	0.3	NA	151	0.0	13	12.7	0.0
S. LEG OAK ST.														
9+70.14	TO	9+81.00	10.9	VARIABLE	NA	56.2	5.6	0.1	56.2	0.0	0.0	0.0	0.0	7.1
N. LEG CHERRY ST.														
10+20.58	TO	10+30.37	9.8	VARIABLE	NA	35.5	3.6	0.1	35.5	0.0	0.0	0.0	0.0	4.5
S. LEG MULBERRY ST.														
9+70.21	TO	9+79.32	9.1	VARIABLE	NA	55.3	5.5	0.1	55.3	0.0	0.0	0.0	0.0	7.0
N. LEG MULBERRY ST.														
10+20.12	TO	10+38.84	18.7	VARIABLE	NA	104.3	10.4	0.2	104.3	0.0	0.0	0.0	0.0	13.1
S. LEG LINDEN ST.														
9+70.84	TO	9+79.53	8.7	VARIABLE	NA	51.8	5.2	0.1	51.8	0.0	0.0	0.0	0.0	6.5
N. LEG LINDEN ST.														
10+20.40	TO	10+36.34	15.9	VARIABLE	NA	86.2	8.6	0.2	86.2	0.0	0.0	0.0	0.0	10.9
SHEET TOTALS			3,441			10,520	1,052	21	10,369	151	419	13	851	49



PAVEMENT MARKING SCHEDULE			LENGTH	SHORT-TERM PAVEMENT MARKING	TEMPORARY PAVEMENT MARKING- LETTER AND SYMBOLS	TEMPORARY PAVEMENT MARKING-LINE 4" (YELLOW)	TEMPORARY PAVEMENT MARKING-LINE 4" (WHITE)	TEMPORARY PAVEMENT MARKING-LINE 6"	TEMPORARY PAVEMENT MARKING-LINE 12"	TEMPORARY PAVEMENT MARKING-LINE 24"	WORK ZONE PAVEMENT MARKING REMOVAL	PAVEMENT MARKING REMOVAL	URETHANE PAVEMENT MARKING-LETTERS & SYMBOLS, SPECIAL	URETHANE PAVEMENT MARKING-LINE 4" (YELLOW)	URETHANE PAVEMENT MARKING-LINE 4" (WHITE)	URETHANE PAVEMENT MARKING-LINE 6"	URETHANE PAVEMENT MARKING-LINE 8"	URETHANE PAVEMENT MARKING-LINE 12"	URETHANE PAVEMENT MARKING-LINE 24"	RAISED REFLECTIVE PAVEMENT MARKER, MONO-DIRECTIONAL (CRYSTAL)	RAISED REFLECTIVE PAVEMENT MARKER, MONO-DIRECTIONAL (AMBER)	RAISED REFLECTIVE PAVEMENT MARKER, BI-DIRECTIONAL (AMBER)
STATION TO	STATION	FOOT	FOOT	SQ FT	FOOT	FT	FT	FOOT	FOOT	SQ FT	FOOT	SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	EACH	FOOT	FOOT
US 40																						
99+56.17	TO 100+22.24	66.1	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	299.9	46.8	0.0	107.8	216.0	57.0	15.4	48.2	0	0	0
100+22.24	TO 103+34.69	312.5	1,407	62.4	420.3	365.8	91.8	0.0	0.0	300.6	0.0	62.4	419.1	258.0	91.8	0.0	0.0	0.0	0.0	12	0	5
103+34.69	TO 119+00.44	1,565.8	2,505.2	0.0	3,131.5	0.0	782.9	0.0	0.0	693.8	0.0	0.0	3,131.5	0.0	782.9	0.0	0.0	0.0	0.0	78	0	39
119+00.44	TO 119+70.75	70.3	0.0	0.0	0.0	0.0	392.5	0.0	42.4	196.2	0.0	0.0	0.0	0.0	392.5	0.0	0.0	42.4	0	0	0	
119+70.75	TO 120+10.76	40.0	64.0	0.0	821.6	0.0	102.5	0.0	0.0	118.7	0.0	0.0	821.6	0.0	102.5	0.0	63.7	0.0	0.0	2	0	4
120+10.76	TO 121+75.59	164.8	263.6	0.0	0.0	0.0	0.0	63.7	0.0	71.0	0.0	0.0	190.5	75.0	82.0	0.0	0.0	0.0	0.0	8	8	0
121+75.59	TO 123+39.58	164.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	114.2	31.2	1,376.2	402.9	219.6	0.0	0.0	0.0	0.0	0	0	0
123+39.58	TO 130+25.41	685.8	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	886.6	93.6	130.5	184.4	543.7	0.0	0.0	12.5	0	0	0	
130+25.41	TO 132+51.68	226.3	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	1,074.4	31.2	0.0	0.0	28.1	239.5	83.7	64.3	3	0	0	
132+51.68	TO 133+64.20	112.5	90.0	0.0	0.0	0.0	56.3	0.0	0.0													
N. BANKER ST.																						
100+66.16	LT.																					26.6
100+90.93	RT.																					12.9
S. BANKER ST.																						
10+52.38	LT.																					27.9
SHEET TOTALS			3,408	4,330	62.4	4,373	366	1,426	64	42	1,380	2,375	265	6,069	1,028	2,459	297	163	235	104	8	48

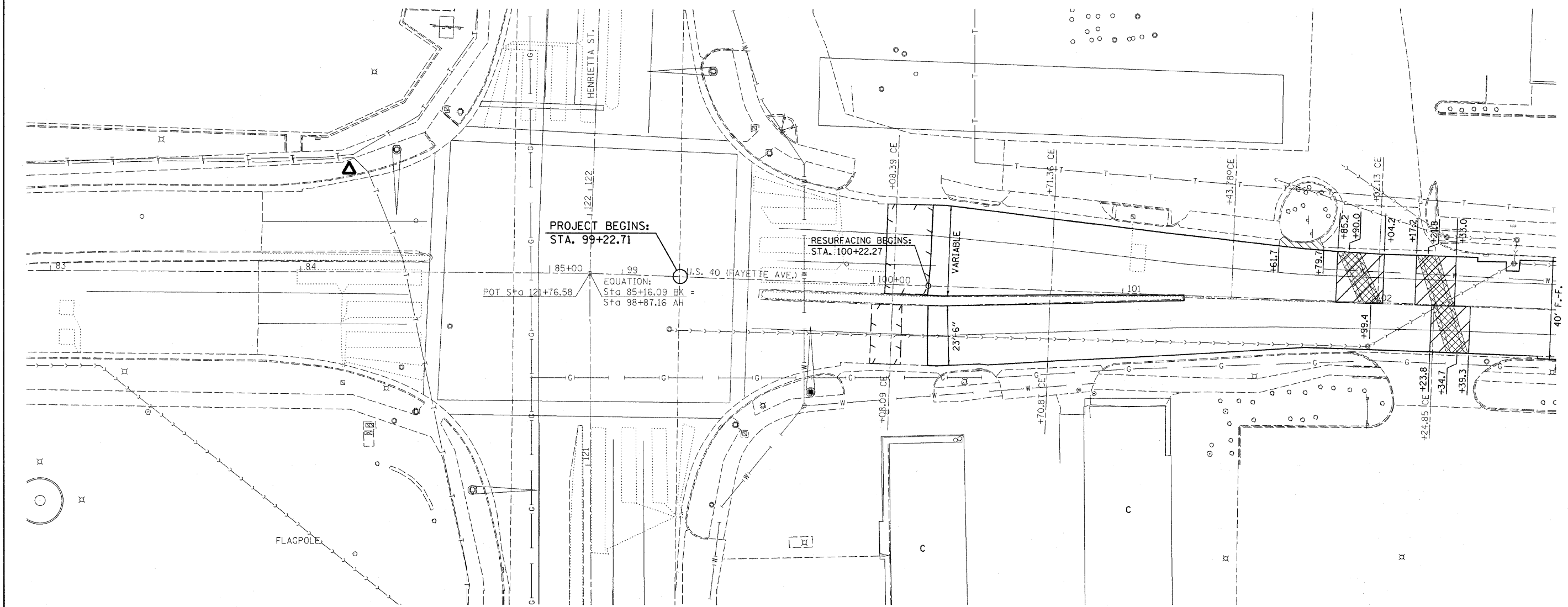
PATCHING SCHEDULE				
LOCATION	CLASS D PATCHES, TYPE I, 13"	CLASS D PATCHES, TYPE II, 13"	CLASS D PATCHES, TYPE III, 13"	CLASS D PATCHES, TYPE IV, 13"
	SQ YD	SQ YD	SQ YD	SQ YD
US 40 (FAYETTE AVE)	28.0	160.0	178.0	427.0

TEMPORARY RAMP, SPECIAL

LOCATION				WIDTH FEET	LENGTH FEET	AREA SQ YD
US 40 (FAYETTE AVE.)						
100+70.87	RT.	CE		42.4	1.5	7.1
100+71.36	LT.	CE		44.6	1.5	7.4
101+43.78	LT.	CE		42.3	1.5	7.0
102+02.31	LT.	CE		46.0	1.5	7.7
102+24.85	RT.	CE		47.9	1.5	8.0
103+47.87	LT.	CE		26.1	1.5	4.4
103+99.45	RT.	CE		47.2	1.5	7.9
104+07.26	LT.	CE		28.1	1.5	4.7
104+91.56	LT.	CE		44.0	1.5	7.3
106+07.39	LT.	CE		41.5	1.5	6.9
106+98.64	LT.	CE		38.2	1.5	6.4
107+57.32	LT.	CE		37.0	1.5	6.2
108+17.28	LT.	CE		37.5	1.5	6.2
109+80.41	RT.	CE		16.0	1.5	2.7
110+02.73	LT.	PE		25.5	1.5	4.3
110+33.26	RT.	CE		46.2	1.5	7.7
110+80.32	LT.	PE		17.0	1.5	2.8
110+89.78	RT.	CE		39.0	1.5	6.5
111+29.75	LT.	PE		26.5	1.5	4.4
113+20.42	RT.	CE		47.3	1.5	7.9
113+87.08	LT.	PE		15.9	1.5	2.7
114+52.96	LT.	PE		15.3	1.5	2.6
114+62.37	RT.	PE		35.8	1.5	6.0
116+97.86	RT.	PE		16.8	1.5	2.8
117+49.24	RT.	PE		16.7	1.5	2.8
117+49.33	LT.	PE		20.9	1.5	3.5
118+22.40	LT.	CE		23.5	1.5	3.9
118+24.33	RT.	PE		16.6	1.5	2.8
121+21.18	LT.	CE		32.3	1.5	5.4
121+85.88	LT.	CE		32.6	1.5	5.4
TOTAL=						161.1

TEMPORARY RAMPS





LOCATION				LENGTH FEET	WIDTH FEET	AREA SQ YD
US 40 (FAYETTE AVE.)						
100+22.24	TO	100+32.24	WB	10.0	36.0	40.0
100+22.24	TO	100+32.24	EB	10.0	23.6	26.2
121+65.59	TO	121+75.59	WB	10.0	22.5	25.0
121+65.59	TO	121+75.59	EB	10.0	34.3	38.1
S. LEG OAK ST.						
9+70.14	TO	9+77.64		7.5	42.2	35.1
N. LEG CHERRY ST.						
10+22.87	TO	10+30.37		7.5	30.2	25.2
S. LEG MULBERRY ST.						
9+70.21	TO	9+77.71		7.5	49.2	41.0
N. LEG MULBERRY ST.						
10+31.34	TO	10+38.84		7.5	42.6	35.5
S. LEG LINDEN ST.						
9+70.84	TO	9+78.34		7.5	50.0	41.7
N. LEG LINDEN ST.						
10+28.84	TO	10+36.34		7.5	42.4	35.3
TOTAL=						343.1



PROJECT BEGINS:  
STA. 99+22.71

RESURFACING BEGINS:  
STA. 100+22.27

POT Sta 121+76.58  
EQUATION:  
Sta 85+16.09 BK =  
Sta 98+87.16 AH

-  PATCHES, CLASS D, TYPE IV
-  RAILROAD TRACK REMOVAL
-  COMBINATION CURB AND GUTTER REMOVAL AND REPLACEMENT
-  APPROXIMATE AREA OF CLASS A PATCHES

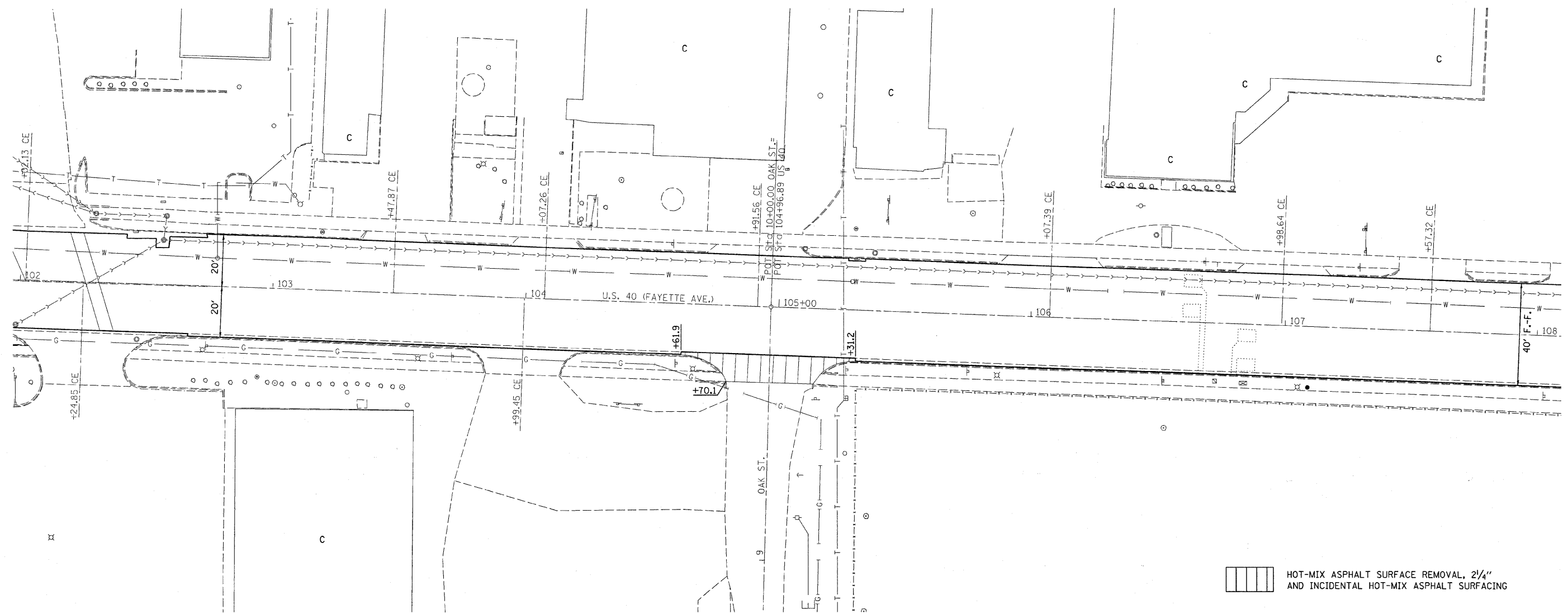
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	PLOT DATE = 12/13/2010	DATE -	REVISED -


**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS**

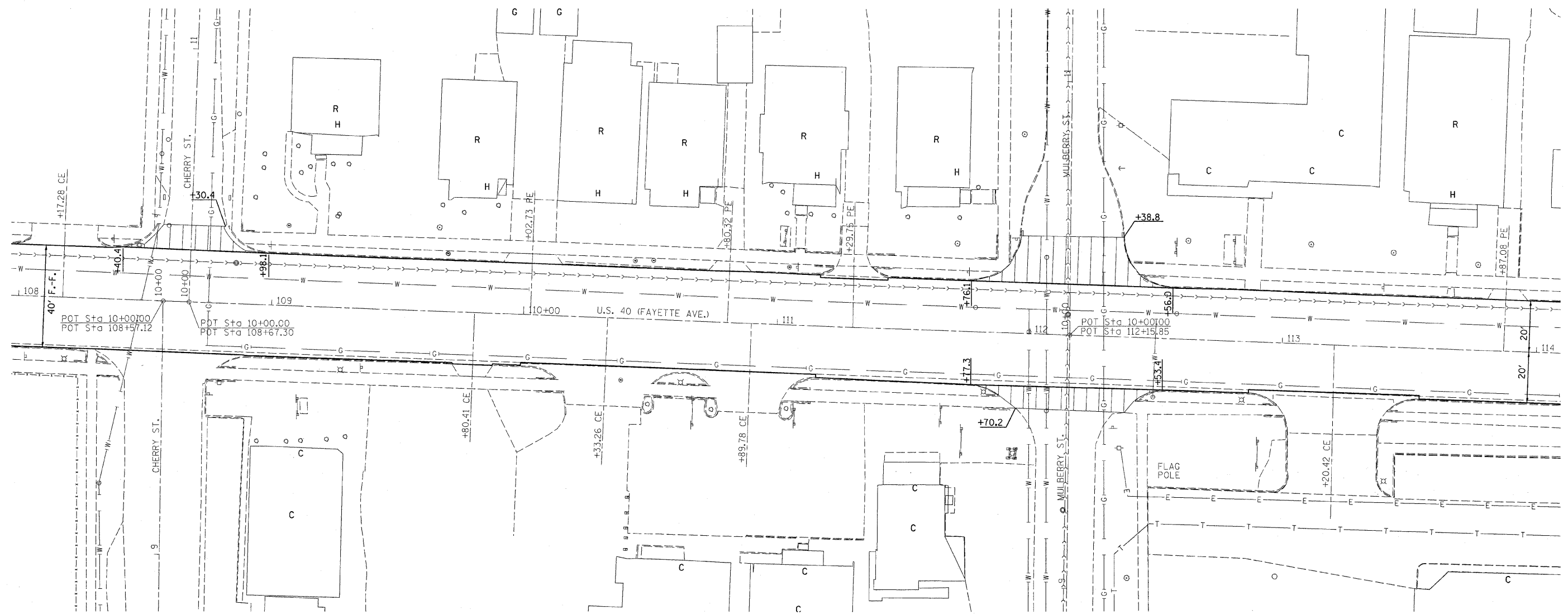
SCALE: 20 SHEET NO. 1 OF 6 SHEETS STA. 83+00 TO STA. 102+00


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	18-2 RS-2	EFFINGHAM	32	11
CONTRACT NO. 74454				
ILLINOIS FED. AID PROJECT				



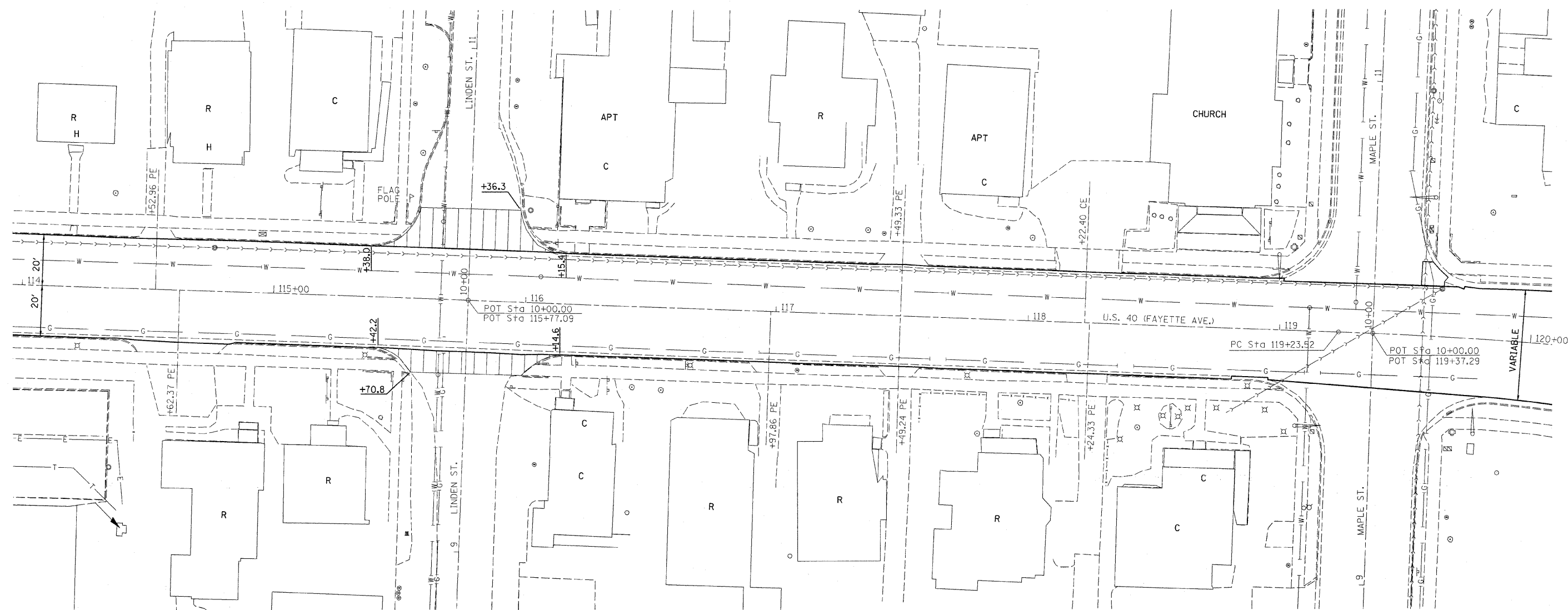

 HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4" AND INCIDENTAL HOT-MIX ASPHALT SURFACING


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es:\pw_work\pwwidot\swartzw\0185396\j77	454-sht-plan.dgn	DRAWN -	REVISED -		95	18-Z RS-2	EFFINGHAM	32	12			
PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -	REVISED -		CONTRACT NO. 74454			ILLINOIS FED. AID PROJECT				
PLOT DATE = 12/13/2010	DATE -	REVISED -	REVISED -		SCALE: 20	SHEET NO. 2 OF 6 SHEETS	STA. 102+00 TO STA. 108+00					



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

FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEETS</b>			F.A.P. RTE. 95	SECTION 18-Z RS-2	COUNTY EFFINGHAM	TOTAL SHEETS 32	SHEET NO. 13
ca:\pw_work\pavdot\swartzw\108185396\10774454-shr-plant.dgn	PLOT SCALE = 20.0000' / 1" IN.	DRAWN -	REVISED -		SCALE: 20	SHEET NO. 3 OF 6 SHEETS	STA. 108+00 TO STA. 114+00	CONTRACT NO. 74454		ILLINOIS FED. AID PROJECT		
	PLOT DATE = 12/13/2010	CHECKED -	REVISED -									
		DATE -	REVISED -									



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

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PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -		SCALE: 20	SHEET NO. 4 OF 6 SHEETS	STA. 114+00 TO STA. 120+00	CONTRACT NO. 74454		ILLINOIS FED. AID PROJECT		
PLOT DATE = 12/13/2010		DATE -	REVISED -									

EXIST. CURVE FAY6  
 PI STA. = 122+22.15  
 $\Delta = 5^\circ 28' 48''$  (LT)  
 $D = 2^\circ 45' 12''$   
 $R = 2,081.03'$   
 $T = 99.60'$   
 $L = 199.04'$   
 $E = 2.38'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 $P.C. STA. = 121+22.56$   
 $P.T. STA. = 123+21.60$



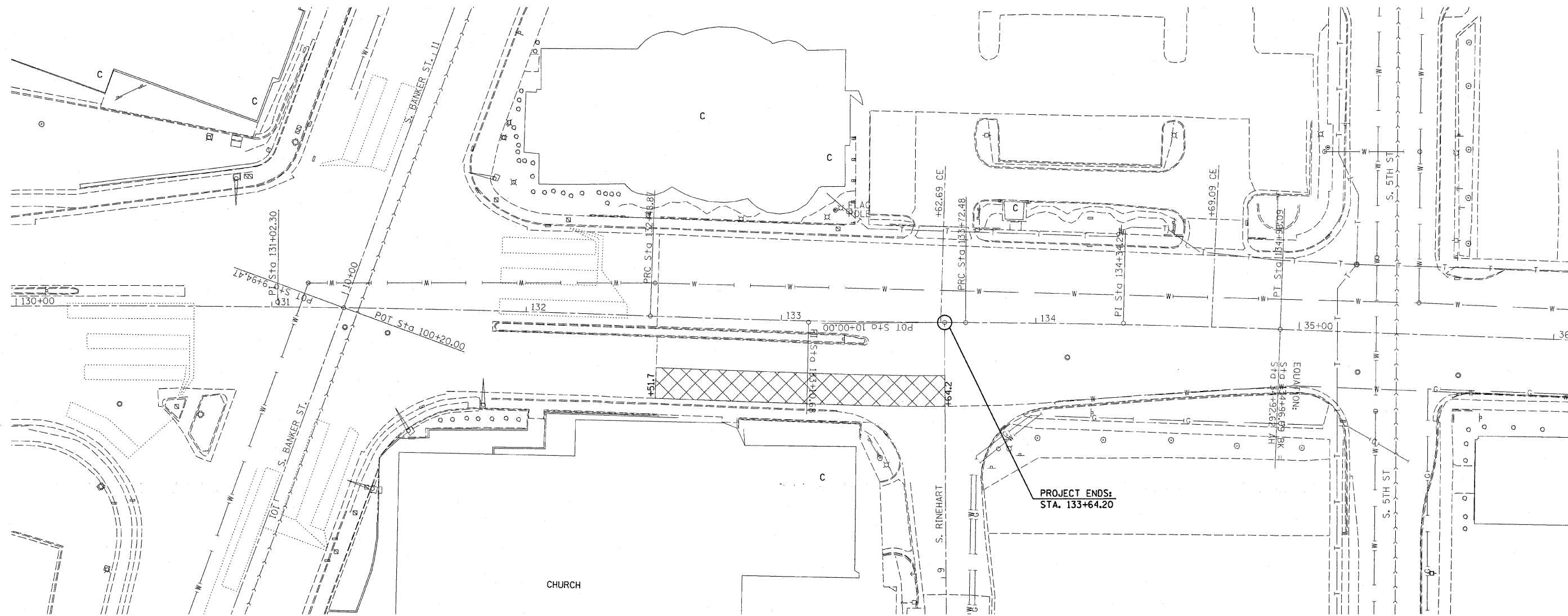
EXIST. CURVE FAY5  
 PI STA. = 120+23.11  
 $\Delta = 5^\circ 28' 37''$  (RT)  
 $D = 2^\circ 45' 06''$   
 $R = 2,082.23'$   
 $T = 99.60'$   
 $L = 199.04'$   
 $E = 2.38'$   
 $e = \text{-----}$   
 $T.R. = \text{-----}$   
 $S.E. RUN = \text{-----}$   
 $P.C. STA. = 119+23.52$   
 $P.T. STA. = 121+22.56$

FILE NAME =	USER NAME = swartzrw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEETS</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = 12/13/2010	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

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. = -----  
 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)  
 $D = 1^\circ 30' 00''$   
 $R = 3,819.66'$   
 $T = 61.81'$   
 $L = 123.61'$   
 $E = 0.50'$   
 $e = \text{-----}$   
 T.R. = -----  
 S.E. RUN = -----  
 P.C. STA. = 132+48.87  
 P.T. STA. = 133+72.48

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. = -----  
 S.E. RUN = -----  
 P.C. STA. = 133+72.48  
 P.T. STA. = 134+96.09

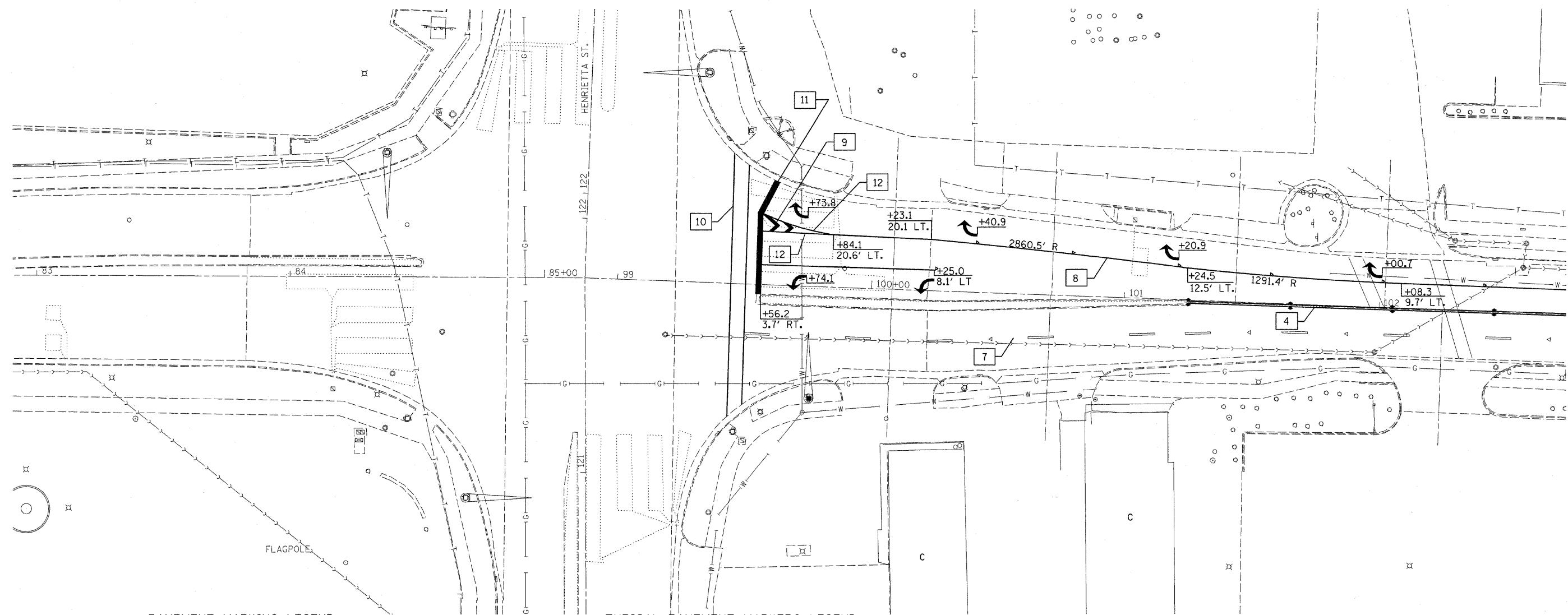


 HOT-MIX ASPHALT SURFACE REMOVAL, 3'

PROJECT ENDS:  
 STA. 133+64.20

FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PLAN SHEETS</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw_work\pwwork\swartzw\d0185396\d77454-shr-plan.dgn		DRAWN -	REVISED -		95	18-Z RS-2	EFFINGHAM	32	16		
PLOT SCALE = 20,0000' / IN.		CHECKED -	REVISED -		CONTRACT NO. 74454						
PLOT DATE = 12/13/2010		DATE -	REVISED -		ILLINOIS FED. AID PROJECT						
				SCALE: 20	SHEET NO. 6 OF 6 SHEETS	STA. 130+00 TO STA. 36+00					





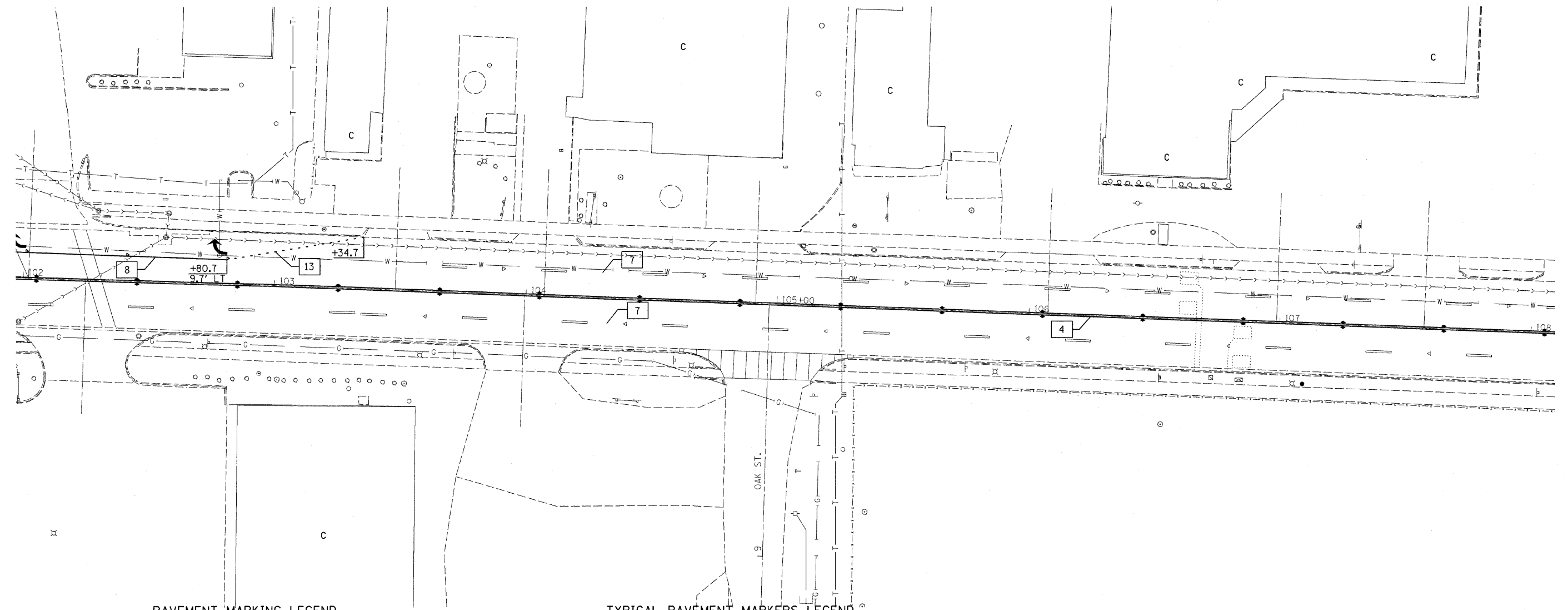
**PAVEMENT MARKING LEGEND**

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

**TYPICAL PAVEMENT MARKERS LEGEND**

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

FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STRIPING DETAILS</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pw_work\pido\swartzw\185396\477454-shr-striping.dgn		DRAWN -	REVISED -		95	18-Z RS-2	EFFINGHAM	32	17		
PLOT SCALE = 20,0000 "/ IN.		CHECKED -	REVISED -		CONTRACT NO. 74454						
PLOT DATE = 12/13/2010		DATE -	REVISED -		ILLINOIS FED. AID PROJECT						
				SCALE: 20	SHEET NO. 1 OF 6 SHEETS	STA. 83+00 TO STA. 102+00					



PAVEMENT MARKING LEGEND

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

TYPICAL PAVEMENT MARKERS LEGEND

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

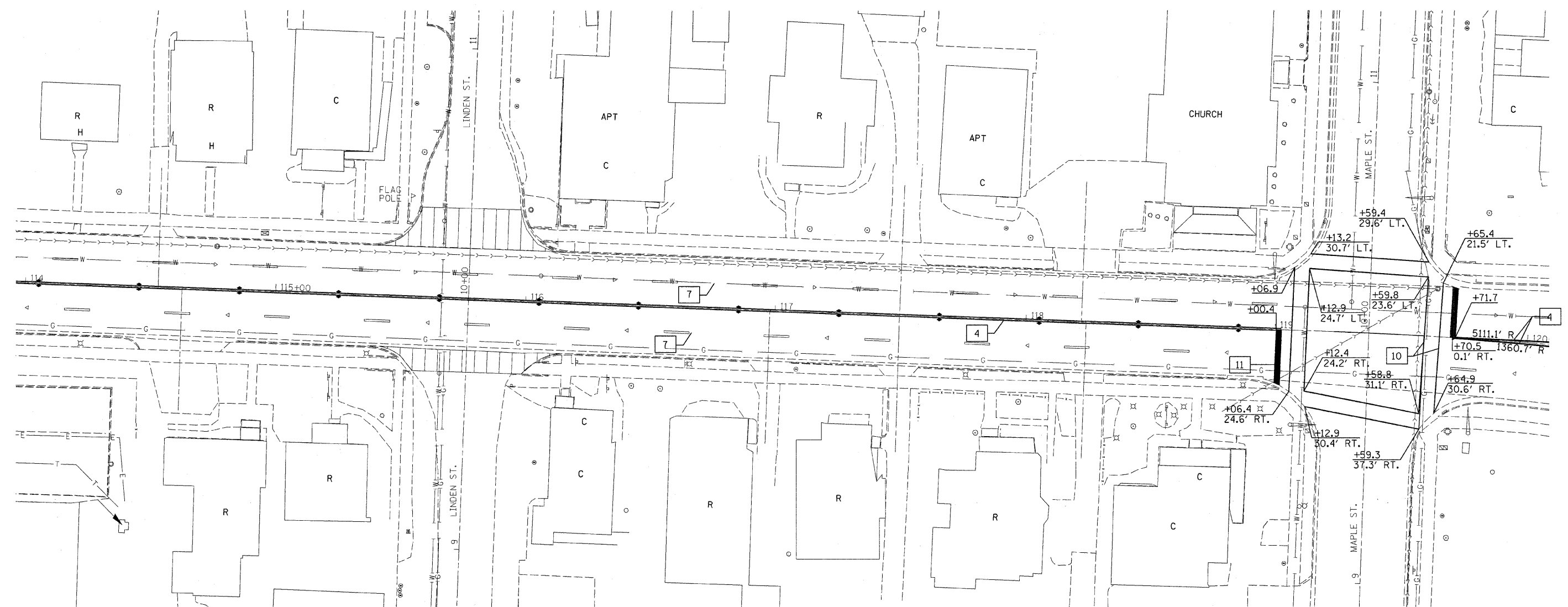
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	PLOT SCALE = 20,0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 12/13/2010	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STRIPING DETAILS**

SCALE: 20 SHEET NO. 2 OF 6 SHEETS STA. 102+00 TO STA. 108+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	18-Z RS-2	EFFINGHAM	32	18
CONTRACT NO. 74454				
ILLINOIS FED. AID PROJECT				



**PAVEMENT MARKING LEGEND**

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

**TYPICAL PAVEMENT MARKERS LEGEND**

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

FILE NAME =	USER NAME = swartzw
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PLOT DATE = 12/13/2010	

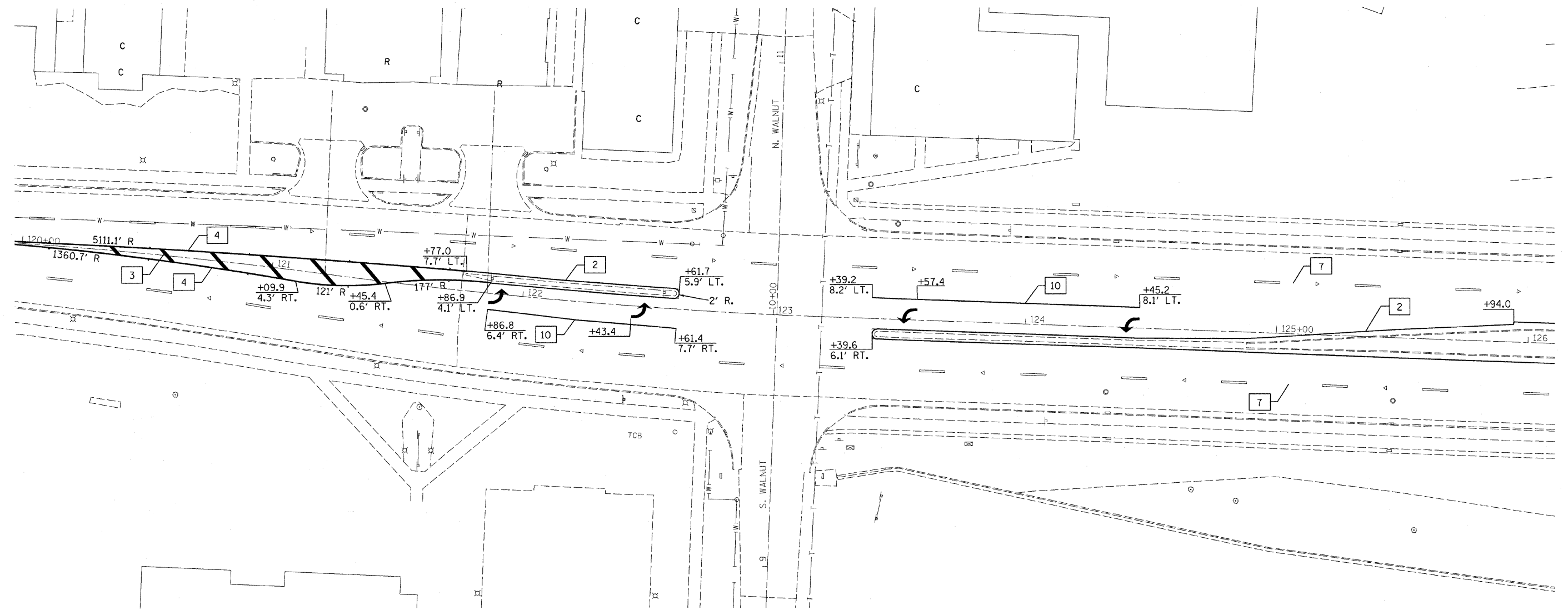
DESIGNED -	REVISED -
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DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STRIPING DETAILS**

SCALE: 20 SHEET NO. 3 OF 6 SHEETS STA. 114+00 TO STA. 120+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	18-Z RS-2	EFFINGHAM	32	19
CONTRACT NO. 74454				
ILLINOIS FED. AID PROJECT				



**PAVEMENT MARKING LEGEND**

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

**TYPICAL PAVEMENT MARKERS LEGEND**

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

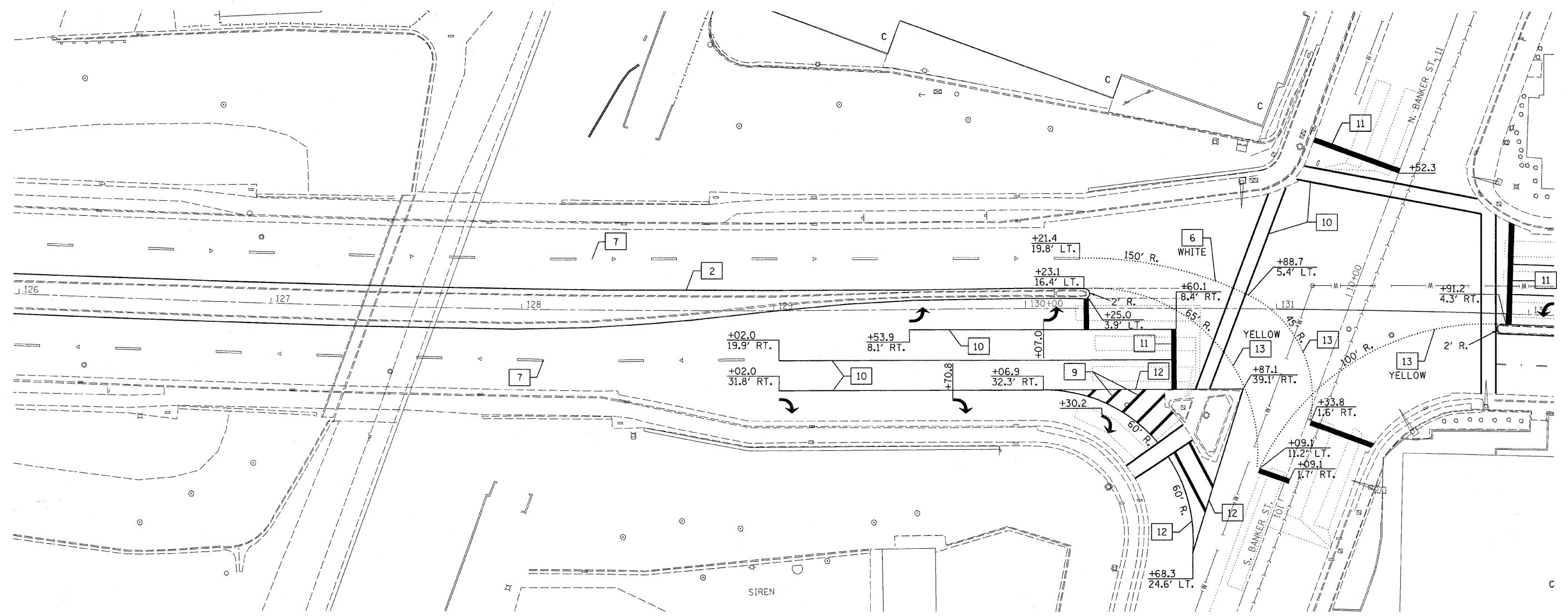
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PLOT DATE = 12/13/2010		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STRIPING DETAILS**

SCALE: 20 SHEET NO. 4 OF 6 SHEETS STA. 120+00 TO STA. 126+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	18-Z RS-2	EFFINGHAM	32	20
CONTRACT NO. 74454				
ILLINOIS FED. AID PROJECT				



**PAVEMENT MARKING LEGEND**

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

**TYPICAL PAVEMENT MARKERS LEGEND**

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

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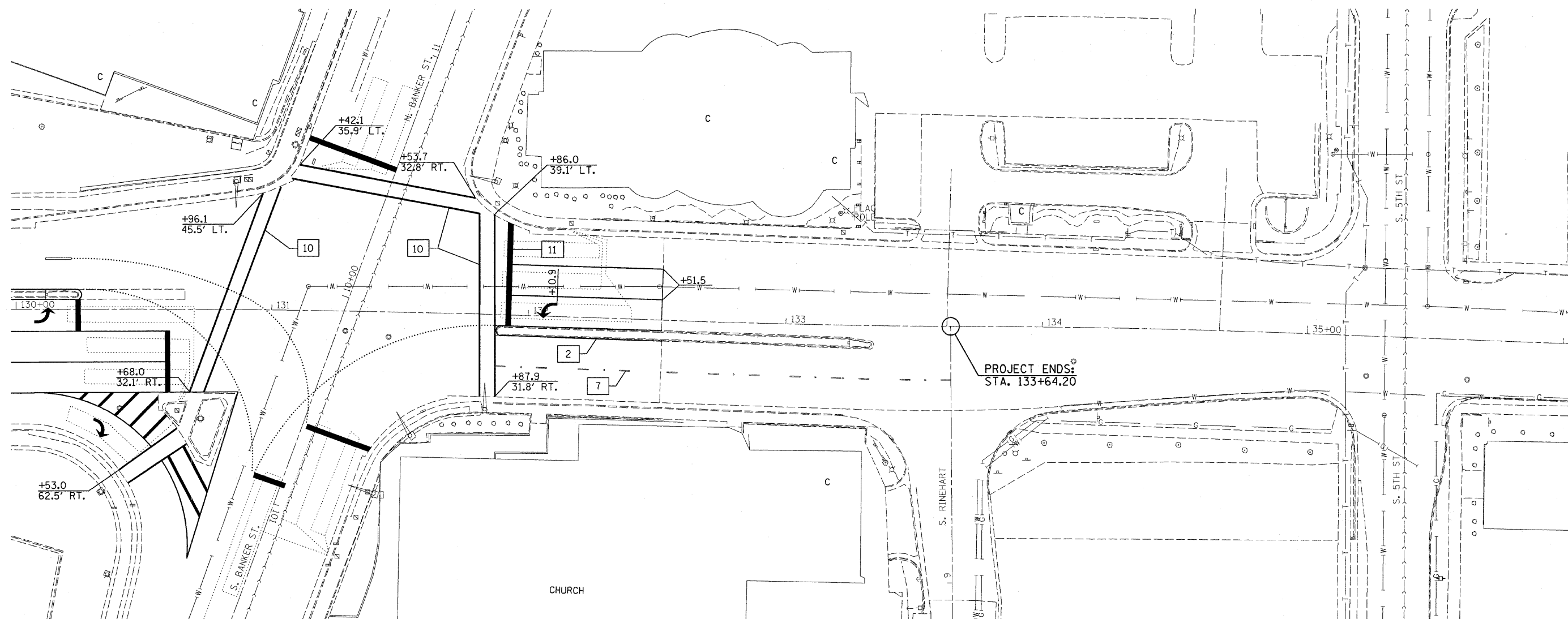
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CHECKED -	REVISED -
DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STRIPING DETAILS**

SCALE: 20     SHEET NO. 5 OF 6 SHEETS     STA. 126+00 TO STA. 132+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	18-Z RS-2	EFFINGHAM	32	21
CONTRACT NO. 74454				
ILLINOIS FED. AID PROJECT				



**PAVEMENT MARKING LEGEND**

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

**TYPICAL PAVEMENT MARKERS LEGEND**

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

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PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 12/13/2010		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**STRIPING DETAILS**

SCALE: 20 SHEET NO. 6 OF 6 SHEETS STA. 130+00 TO STA. 36+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	18-Z RS-2	EFFINGHAM	32	22
CONTRACT NO. 74454				
ILLINOIS FED. AID PROJECT				

GENERAL NOTES

THE TRAFFIC SIGNAL ENGINEER (JOSH PORTER) AT THE ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE NOTIFIED AT 217-342-8382 AT LEAST 72 HOURS PRIOR TO TURNING ON ANY FLASHER OR CONTROLLER UNIT.

ALL HARDWARE SHALL BE TIGHTENED AND WELL SECURED. CABLES SHALL BE NEATLY WOUND IN HANDHOLES. CABLES SHALL BE NEATLY TRAINED IN THE CONTROLLER CABINET.

ALL THREADS OF BOLTS USED IN ASSEMBLY OF TRAFFIC SIGNAL COMPONENTS SHALL BE COATED WITH A NON-LEAD BASED ANTI-SEIZE COMPOUND, SIMILAR TO LEAD PASTE, PRIOR TO ASSEMBLY.

NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 2 FOOT MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.

THE CONTRACTOR IS RESPONSIBLE FOR UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THE COST OF THIS WORK IS TO BE INCLUDED WITH THE TRENCH AND BACKFILL FOR ELECTRICAL WORK PAY ITEM.

THE NUMBER OF CONDUCTORS FOR ELECTRIC CABLES AS SHOWN ON THE PLANS SHALL BE THE MINIMUM NUMBER OF CONDUCTORS FURNISHED FOR EACH LOCATION. THE CONTRACTOR MAY SUBSTITUTE AN ELECTRIC CABLE WITH MORE CONDUCTORS THAN SPECIFIED BUT NO ADDITIONAL COMPENSATION WILL BE MADE FOR THE EXTRA CONDUCTORS.

ALL NEW TRAFFIC SIGNAL WIRING SHALL EXTEND FROM CONTROLLER TO SIGNAL. SPLICES IN HANDHOLES WILL NOT BE ALLOWED.

ALL MAST ARM MOUNTED SIGNAL HEADS ON AN INDIVIDUAL MAST ARM SHALL BE MOUNTED SO THAT THE RED INDICATIONS ARE LEVEL WITH EACH OTHER.

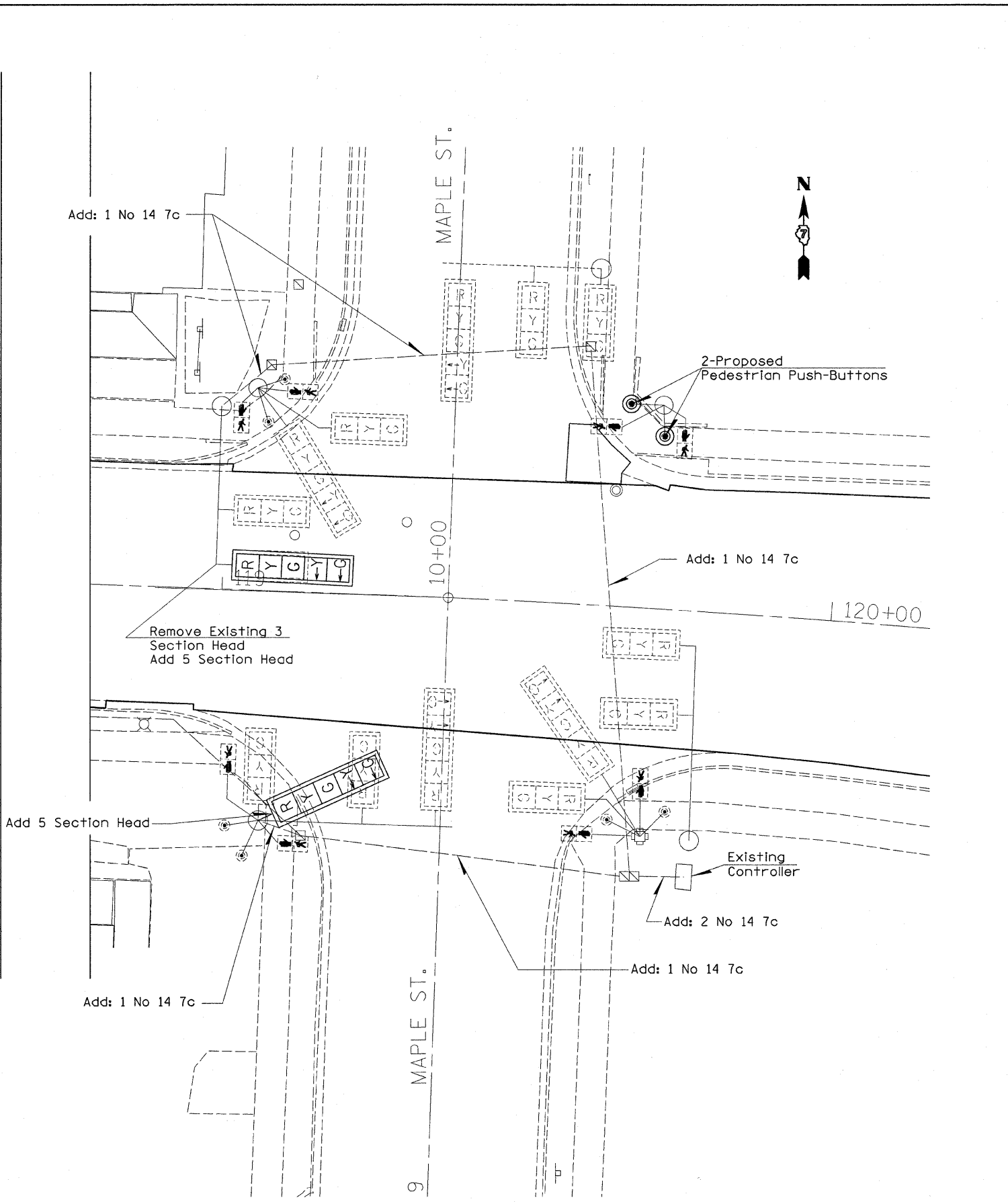
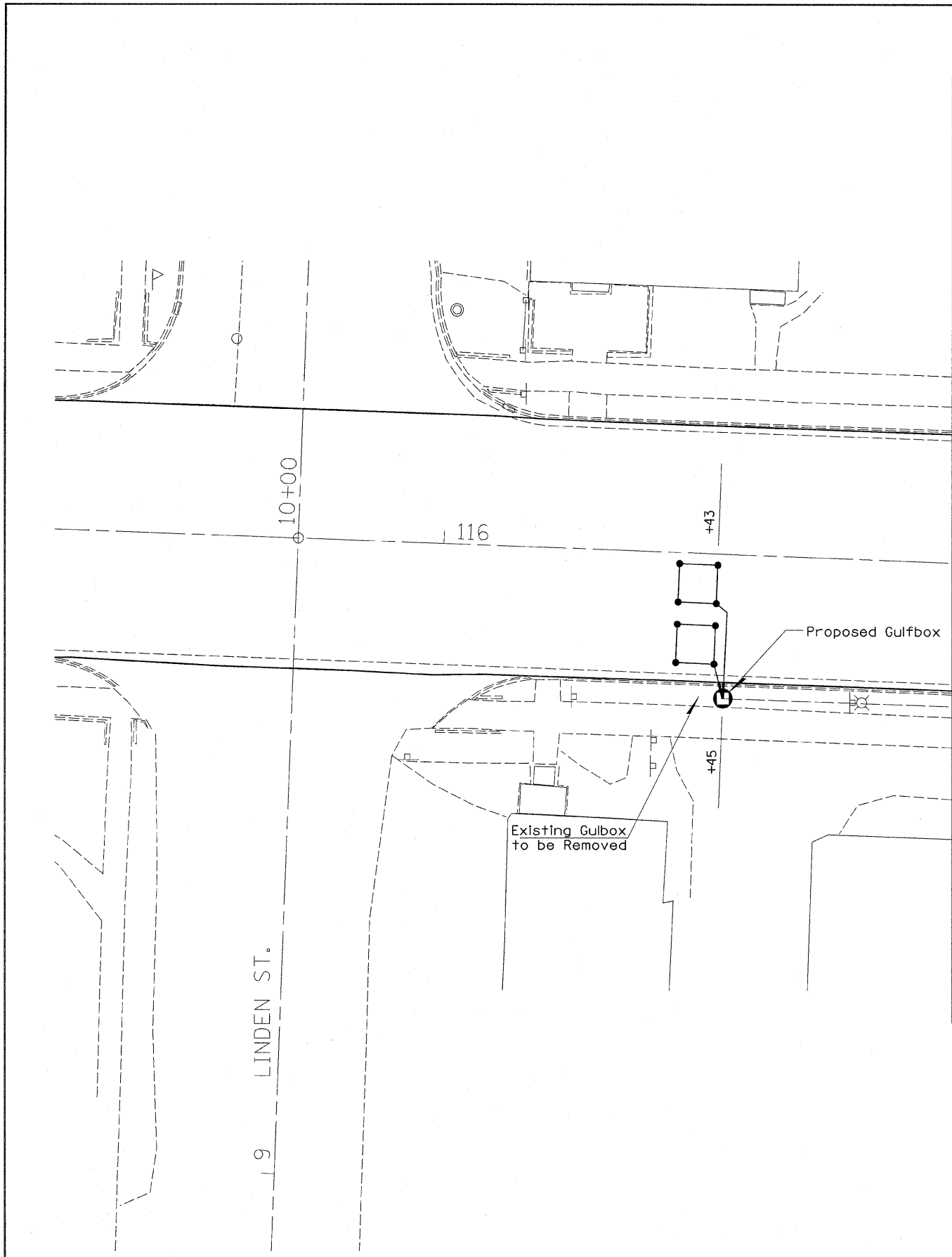
BILL OF MATERIALS FOR TRAFFIC SIGNALS AND DETECTOR LOOPS  
AT HENRIETTA AND MAPLE STS.

CONDUIT IN TRENCH, 3/4" DIA., PVC	FOOT	6.0
GULFBOX JUNCTION	EACH	1.0
GULFBOX JUNCTION REMOVAL	EACH	1.0
TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	6.0
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	341.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	1.0
SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	1.0
TRAFFIC SIGNAL BACKPLATE, FORMED PLASTIC	EACH	2.0
DETECTOR LOOP, TYPE 1	FOOT	105.0
PEDESTRIAN PUSH-BUTTON	EACH	2.0
REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1.0

FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>GENERAL NOTES &amp; BILL OF MATERIALS HENRIETTA ST &amp; MAPLE ST INTERSECTIONS</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
o:\pw_work\pwidot\swartzw\0185381\0774	84-shr-Loops.dgn	DRAWN -	REVISED -			95	18-Z RS-2	EFFINGHAM	32	23
PLOT SCALE = 10,0000 ' / IN.	CHECKED -	REVISED -	REVISED -			CONTRACT NO. 74454				
PLOT DATE = 12/13/2010	DATE -	REVISED -	REVISED -			ILLINOIS FED. AID PROJECT				
				SCALE: NA	SHEET NO. 1 OF 3 SHEETS	STA.	TO STA.			





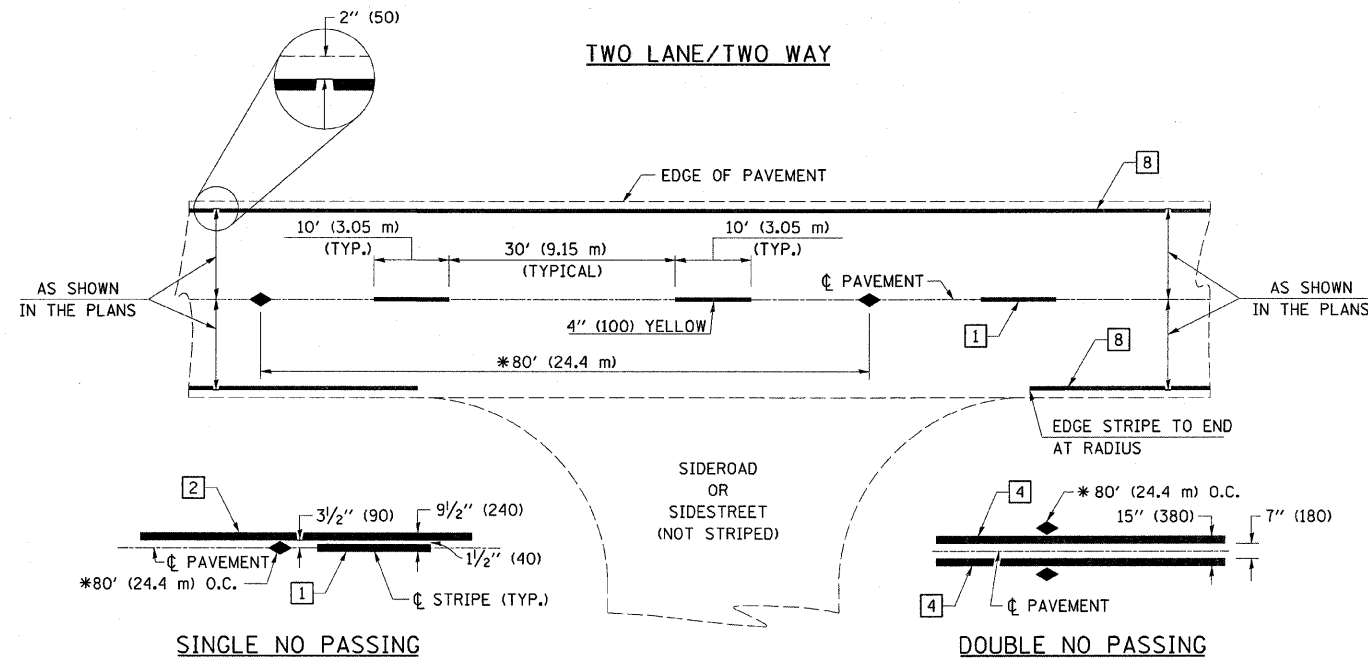


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PLOT DATE = 12/13/2010		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

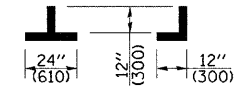
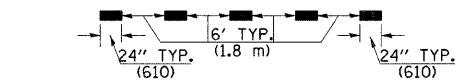
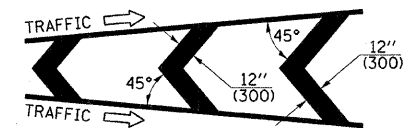
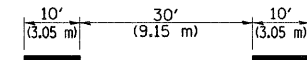
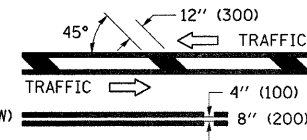
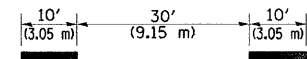
<b>DETECTOR LOOP/TRAFFIC SIGNALS</b>	
<b>MAPLE STREET INTERSECTION</b>	
SCALE: 10	SHEET NO. 3 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	18-Z RS-2	EFFINGHAM	32	25
CONTRACT NO. 74454				
ILLINOIS FED. AID PROJECT				



**PAVEMENT MARKING LEGEND**

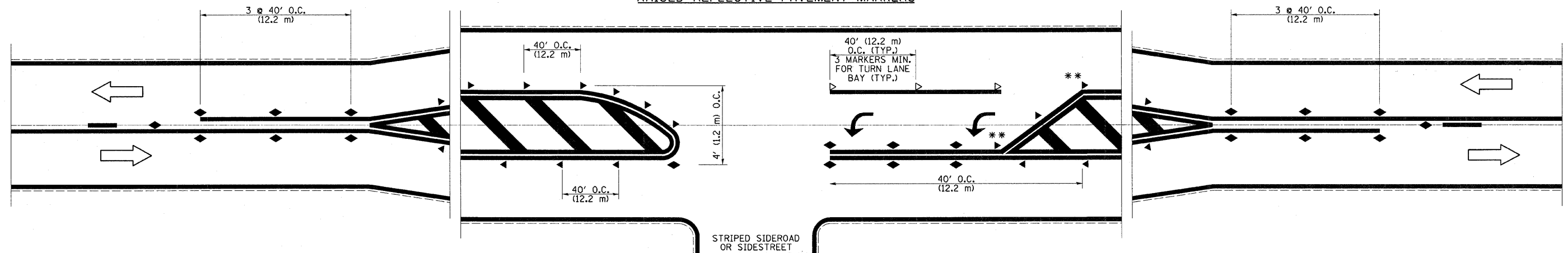
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 6" (150) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)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

**DISTRICT 7 DETAIL NO. 7800001**

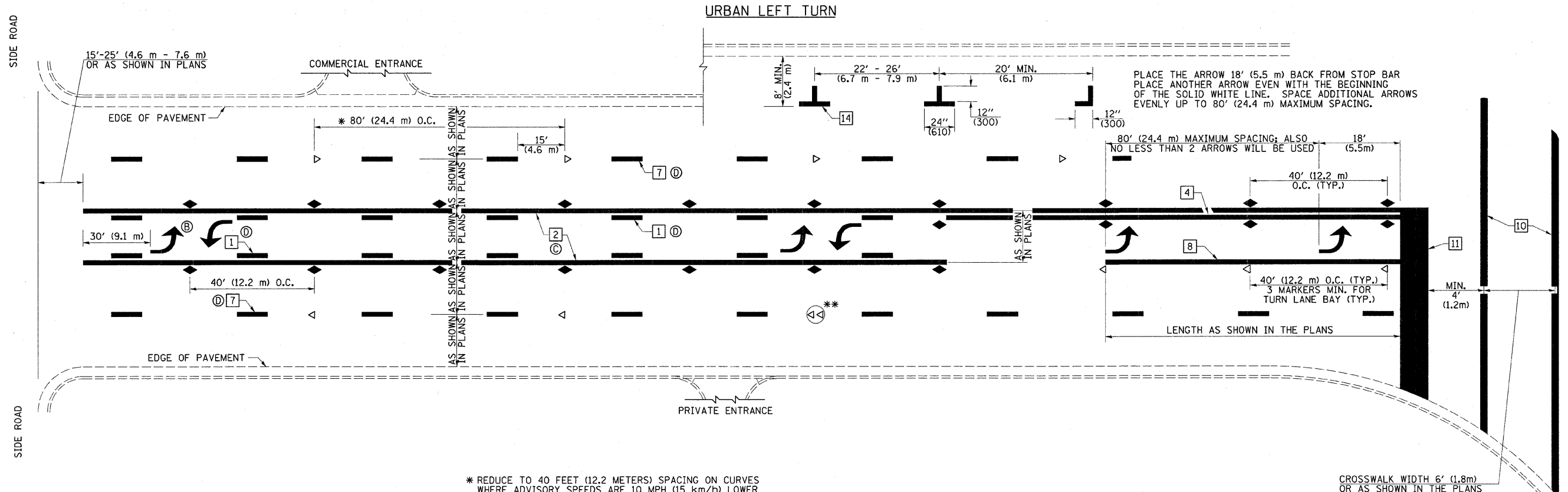
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PLOT SCALE = 50,000 ' / IN.		CHECKED -	REVISED -
PLOT DATE = 12/13/2010		DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

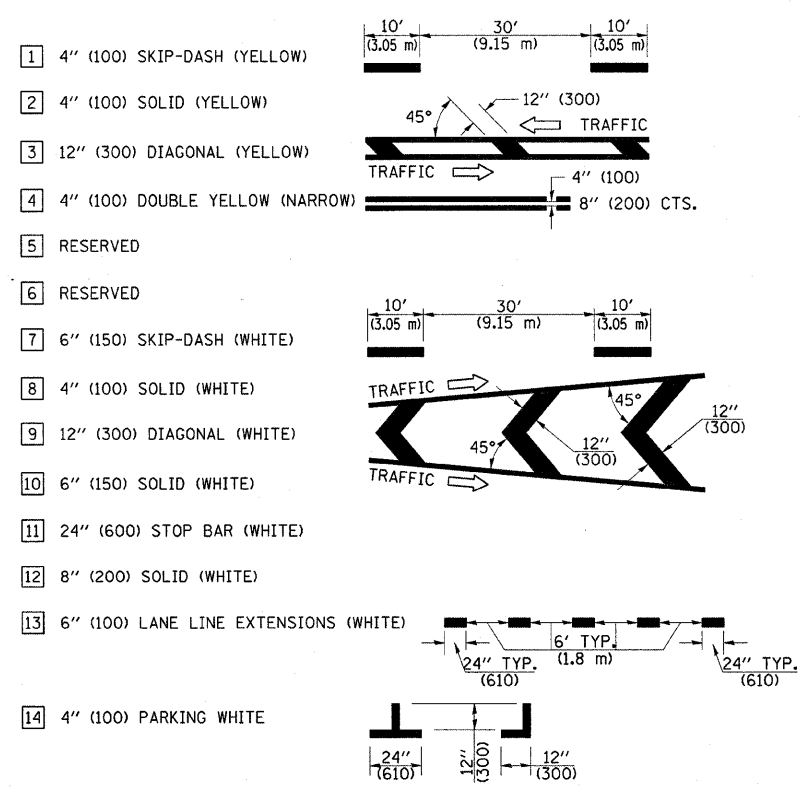
**PAVEMENT MARKING AND RAISED REFLECTIVE PAVEMENT MARKERS  
(RURAL & URBAN APPLICATIONS)**

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
95	18-2 RS-2	EFFINGHAM	32	26
CONTRACT NO. 74454				
ILLINOIS FED. AID PROJECT				

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



**PAVEMENT MARKING LEGEND**

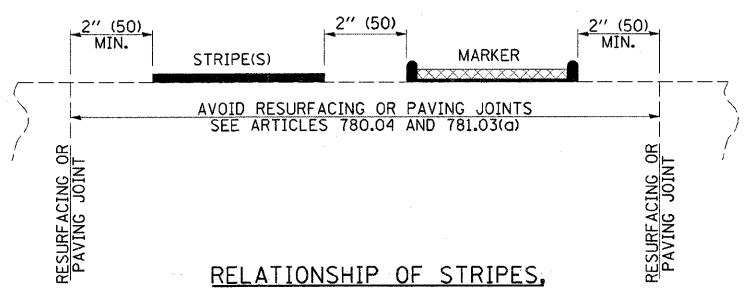


\* REDUCE TO 40 FEET (12.2 METERS) SPACING ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

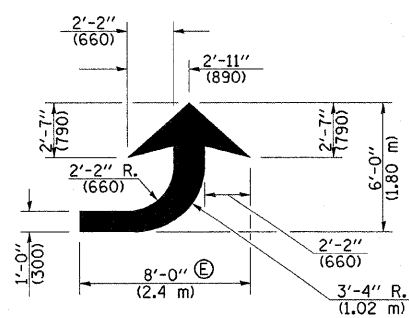
\*\* DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

**GENERAL NOTES**

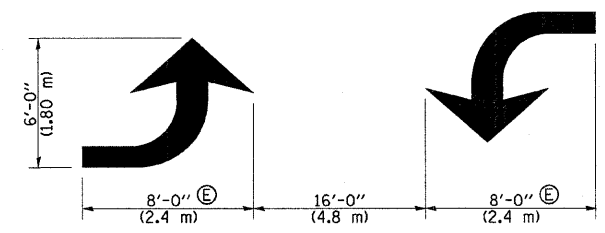
- (B) TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE. USE A MINIMUM OF TWO PAIRS PER BLOCK.
- (C) THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN 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)



**RELATIONSHIP OF STRIPES, MARKERS AND JOINTS**



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



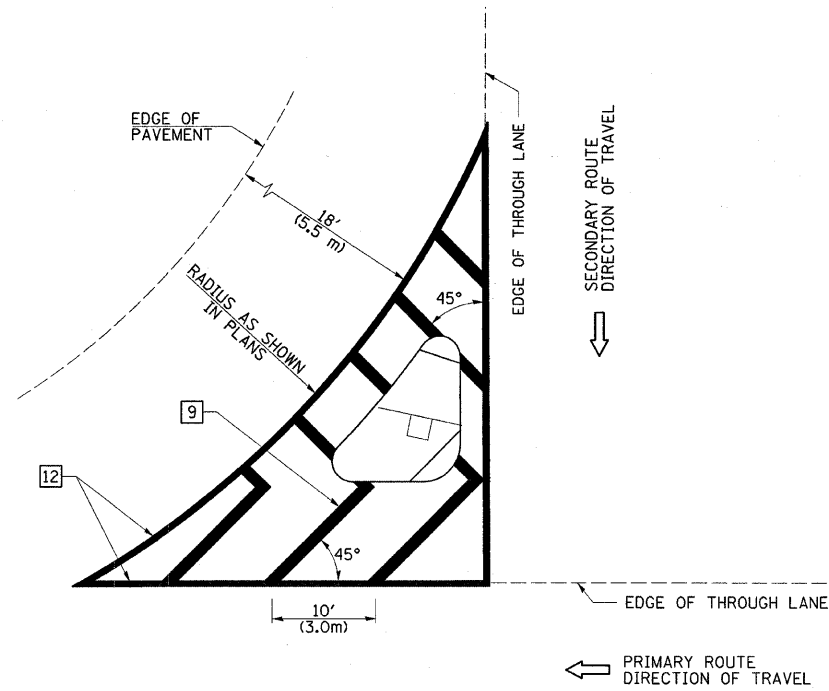
**TYPICAL DOUBLE TURN ARROWS (WHITE)**

NOT TO SCALE

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

FILE NAME =	USER NAME = swartzrw	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:\p\work\p\sdot\swartzrw\d0185396\d774	454-shd-details.dgn	DRAWN -	REVISED -			95	18-Z RS-2	EFFINGHAM	32	27	
	PLOT SCALE = 50,0000 / / IN.	CHECKED -	REVISED -			CONTRACT NO. 74454					
	PLOT DATE = 12/13/2010	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

**ISLAND**



**GENERAL NOTES**

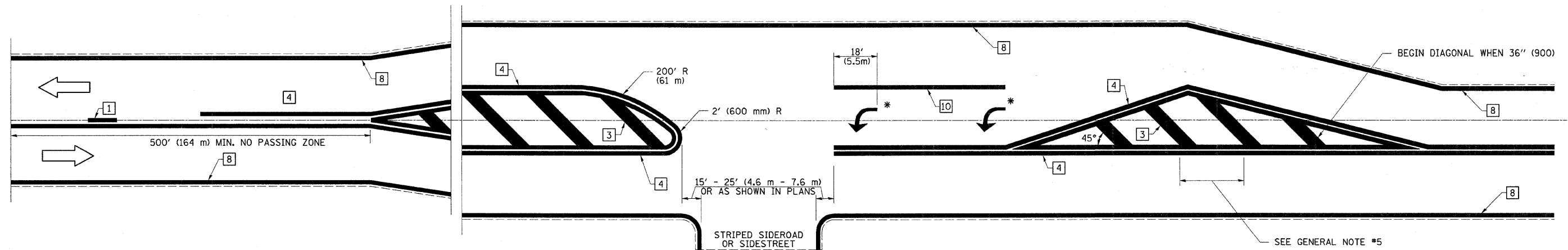
1. RAISED AND CORRUGATED MEDIANS SHALL BE OUTLINED WITH [2] IF PRESENT.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING 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.

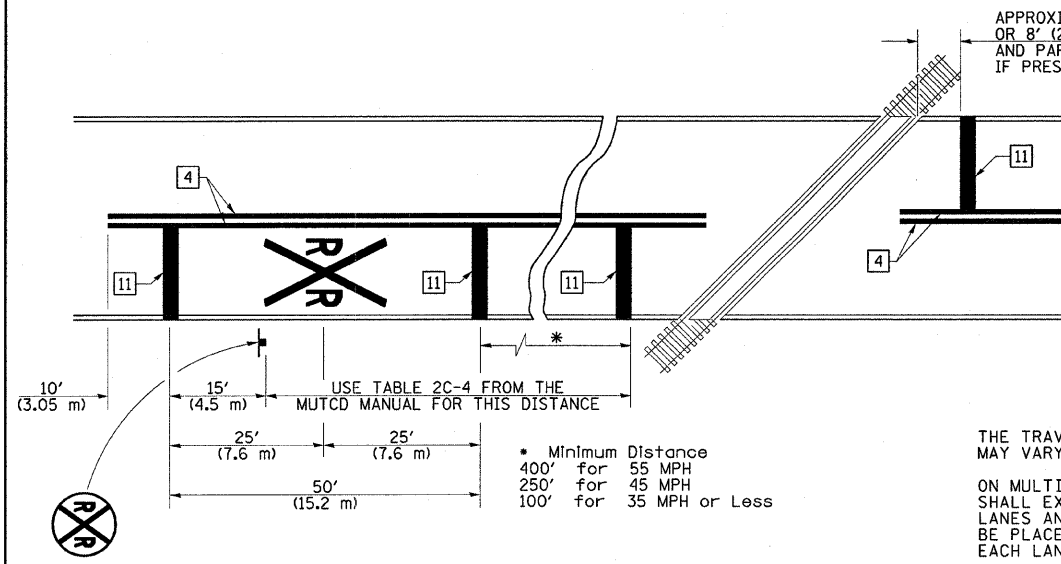
NOT TO SCALE

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

**DISTRICT 7 DETAIL NO. 7800001**

FILE NAME =	USER NAME = swartzrw	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:\pwork\pwork\swartzrw\d0185396\d77	454-ahd-details.dgn	DRAWN -	REVISED -			95	18-Z RS-2	EFFINGHAM	32	28
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 74454				
PLOT DATE = 12/13/2010		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING

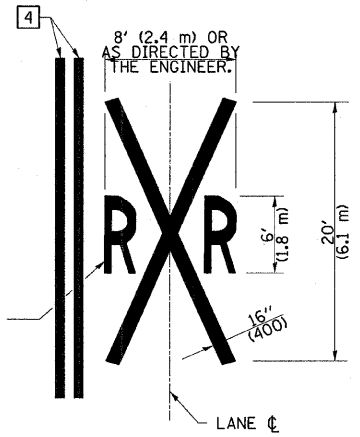


NOTES

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 R X R SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

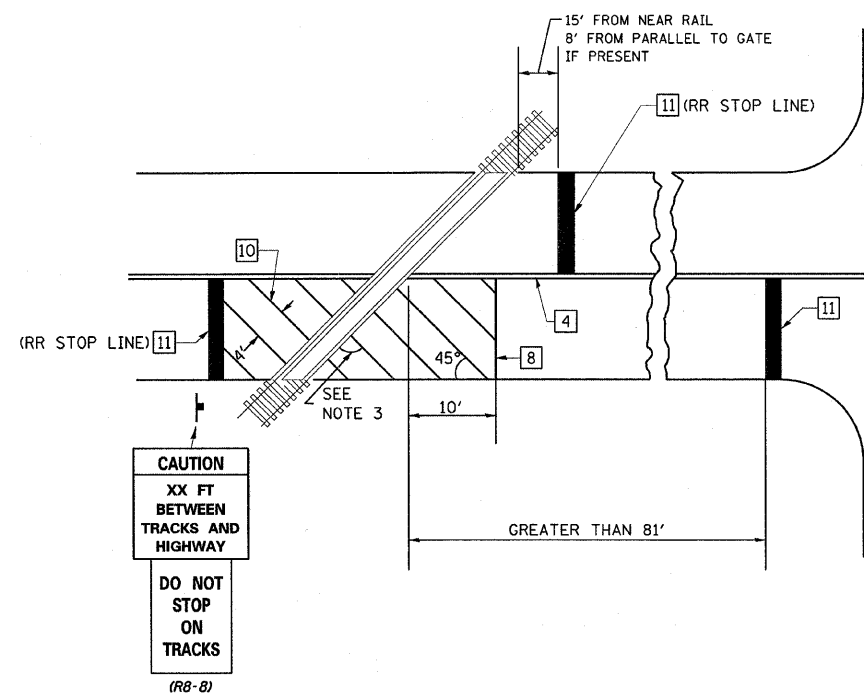
WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.



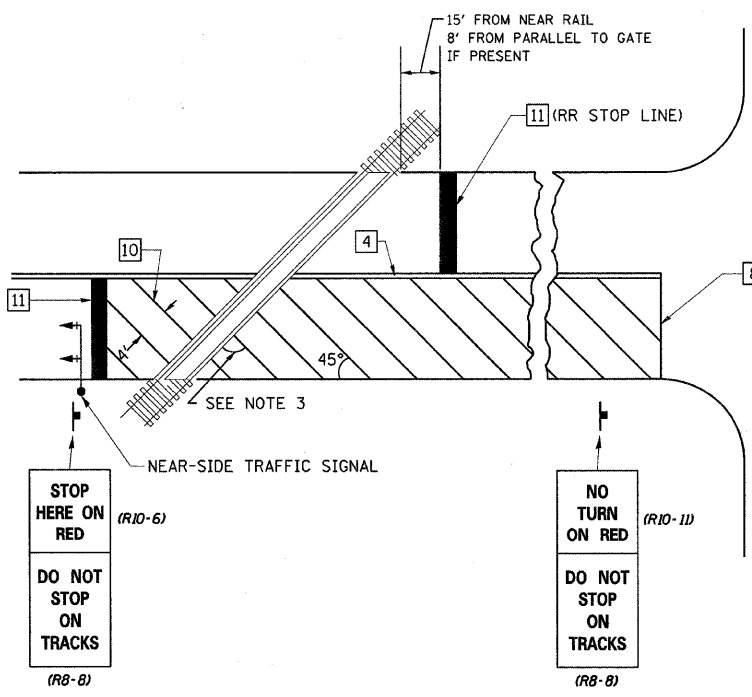
PAVEMENT MARKING LEGEND

- 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



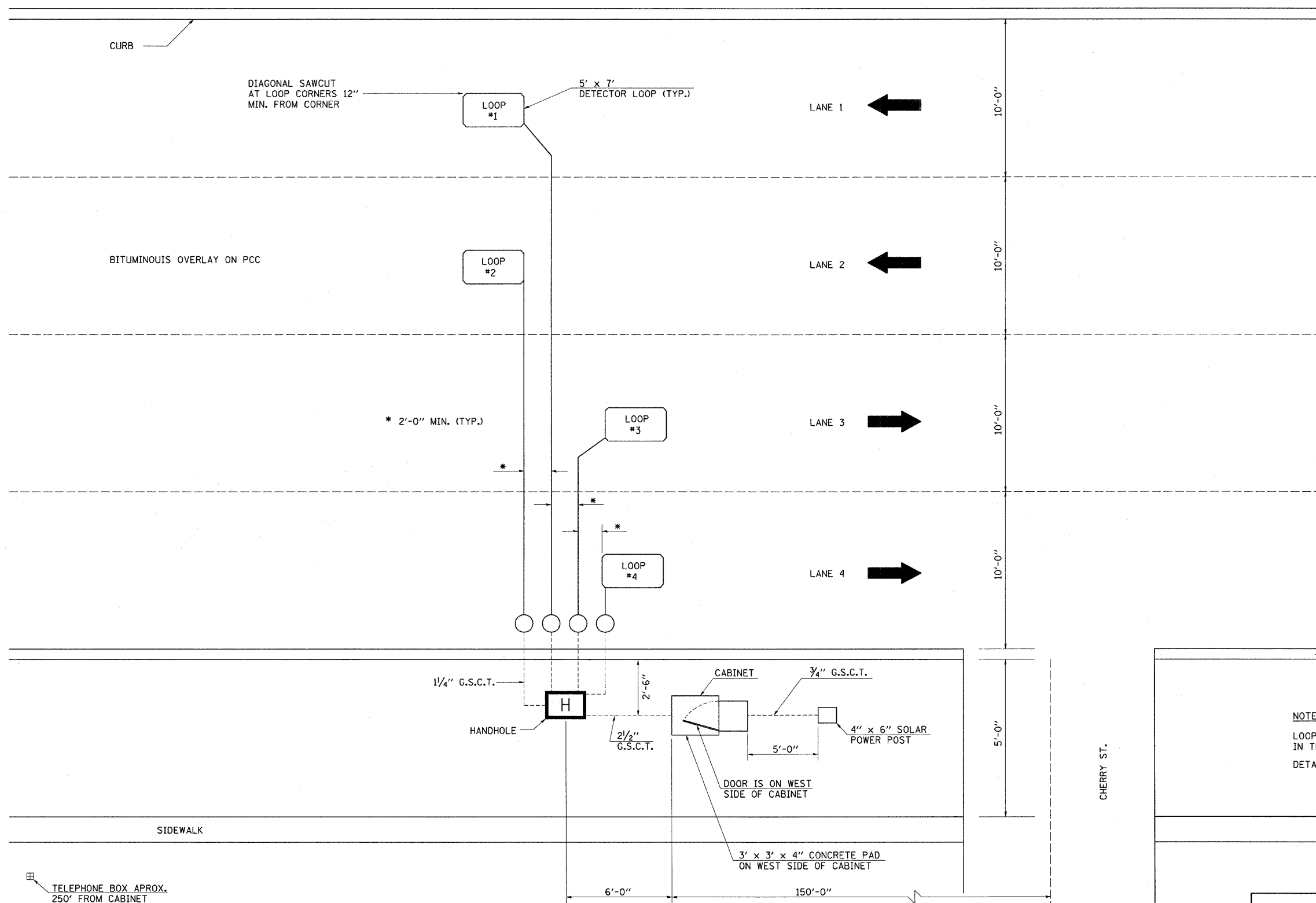
GENERAL NOTES

1. SUPPLEMENTAL PAVEMENT MARKINGS TO BE INSTALLED ONLY ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
2. EXTEND PAVEMENT MARKINGS TO THE INTERSECTION ONLY WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED.
3. 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.

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.	
0:\pw\work\pwidot\swartzw\d0185396\d774	454-sht-details.dgn	DRAWN -	REVISED -			95	18-Z RS-2	EFFINGHAM	32	29	
	PLOT SCALE = 5/8" = 1' / IN.	CHECKED -	REVISED -			CONTRACT NO. 74445					
	PLOT DATE = 12/13/2010	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

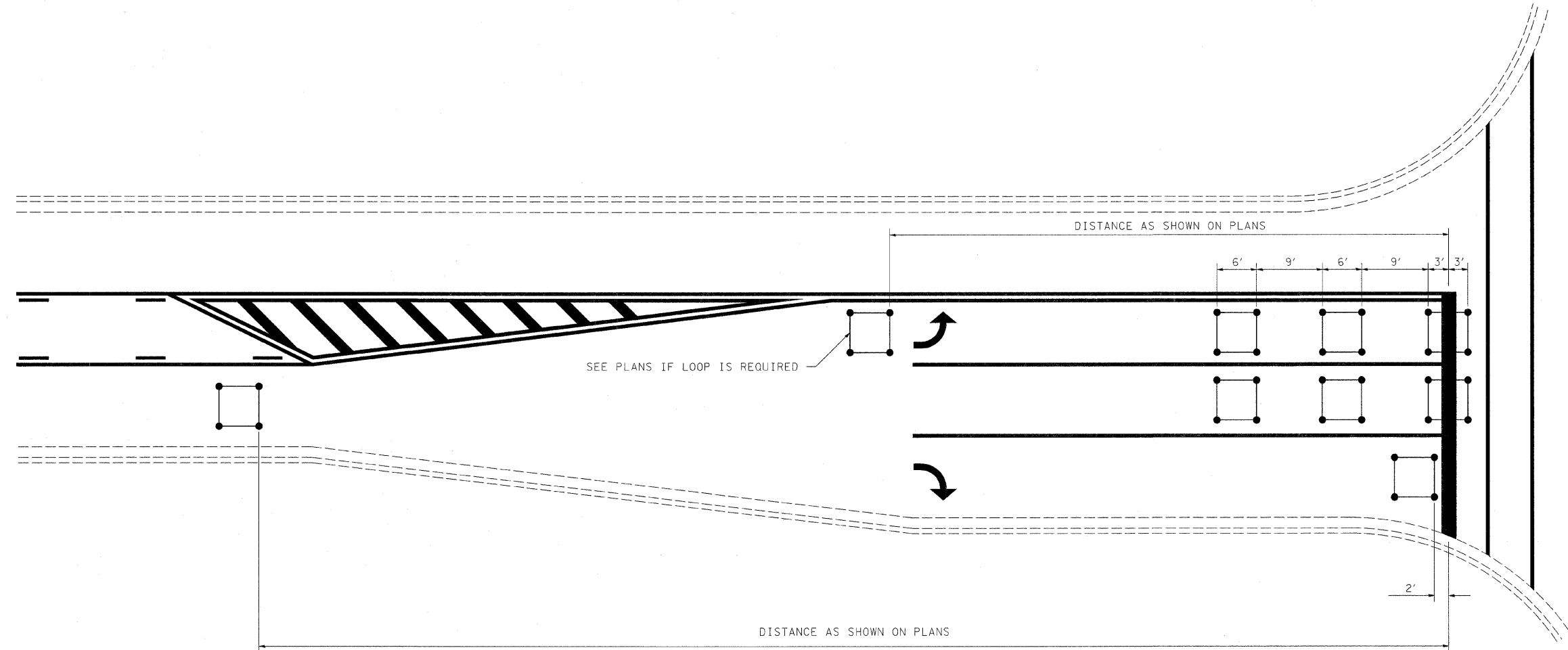


**NOTES:**  
 LOOPS MUST BE CENTERED  
 IN THE TRAFFIC LANES  
 DETAIL NOTE DRAWN TO SCALE

DIST. 7 STATION #708  
 US 40 / IL 33 (FAYETTE  
 AVE W. OF CHERRY ST)  
 EFFINGHAM  
 EFFINGHAM COUNTY

FILE NAME =	USER NAME = swartzrw	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TRAFFIC COUNTER LOOP DETAILS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ca:\pwork\pwork\swartzrw\d8185396\d774	454-shr-details.dgn	DRAWN -	REVISED -		95	18-Z RS-2	EFFINGHAM	32	30			
PLOT SCALE = 50,0000 ' / IN.	CHECKED -	REVISED -	REVISED -		CONTRACT NO. 74454			ILLINOIS FED. AID PROJECT				
PLOT DATE = 12/13/2010	DATE -	REVISED -	REVISED -		SCALE: NA	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.					

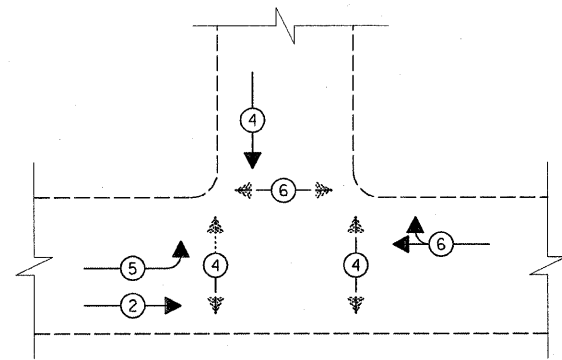
# TYPICAL APPLICATION OF DETECTOR LOOPS



- 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'.

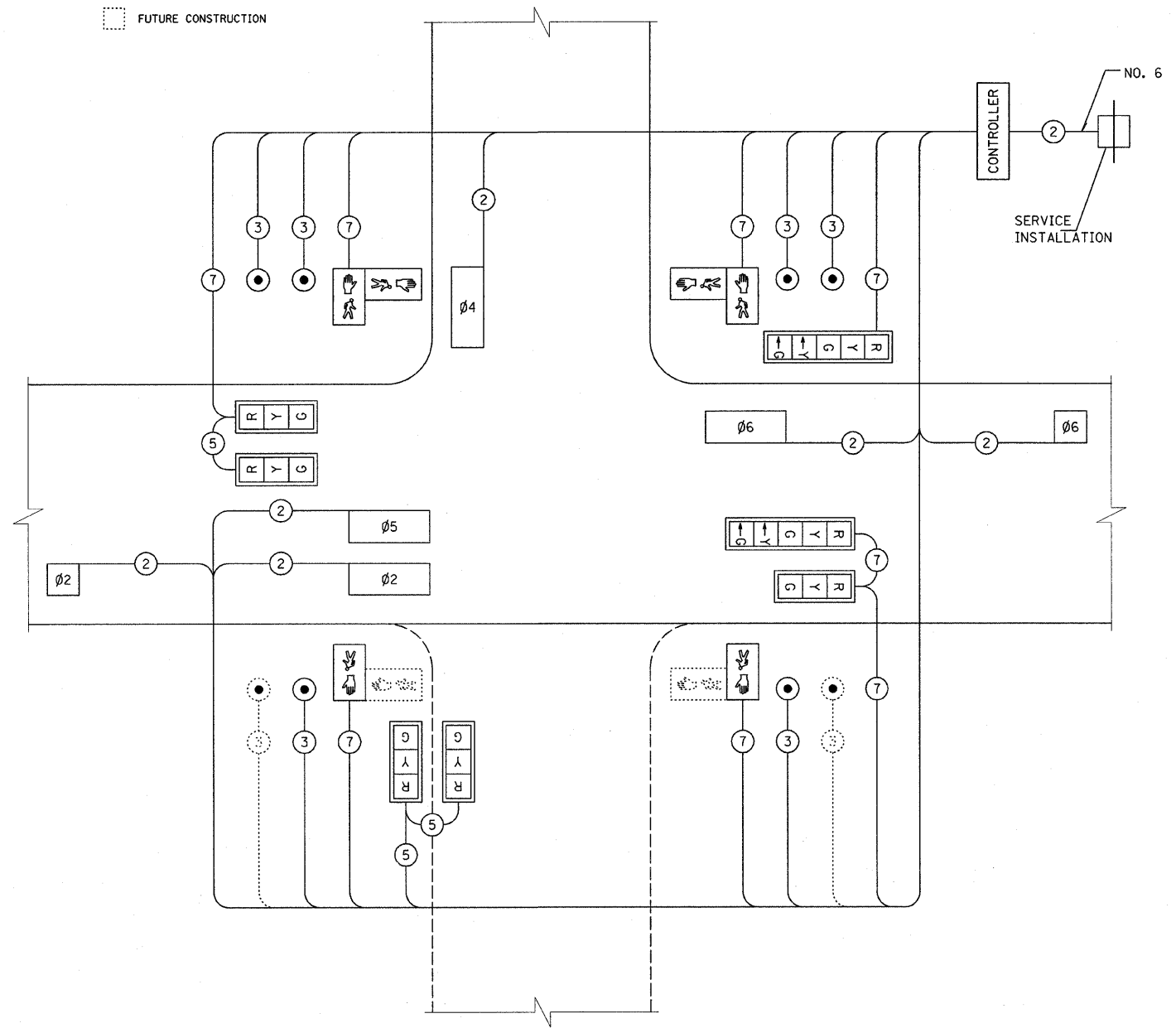
NOT TO SCALE

FILE NAME =	USER NAME = swartzw	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\pwsdot\swartzw\d0185381\0774	184-shft-Loops.dgn	DRAWN -	REVISED -			95	18-Z RS-2	EFFINGHAM	32	31	
	PLOT SCALE = 10,0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 74454					
	PLOT DATE = 12/13/2010	DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
				SCALE: NA	SHEET NO. 1 OF 2 SHEETS	STA.	TO STA.				



**PHASE DESIGNATION DIAGRAM**

- PROPOSED VEHICULAR PHASE
- ↔○↔ PROPOSED PEDESTRIAN PHASE



**TRAFFIC SIGNAL SCHEMATIC**

NOT TO SCALE

FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED - MKS 03-07	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>DETECTOR LOOP DETAILS</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca:\pw_work\pwidot\swartzw\d0185381\077464-shit-Loopsdgn		DRAWN -	REVISED -		SCALE: NA	SHEET NO. 2 OF 2 SHEETS	STA.	95	18-Z RS-2	EFFINGHAM	32	32
PLOT SCALE = 10.0000" / IN.		CHECKED -	REVISED -				TO STA.	CONTRACT NO. 74454				
PLOT DATE = 12/13/2010		DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							