

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

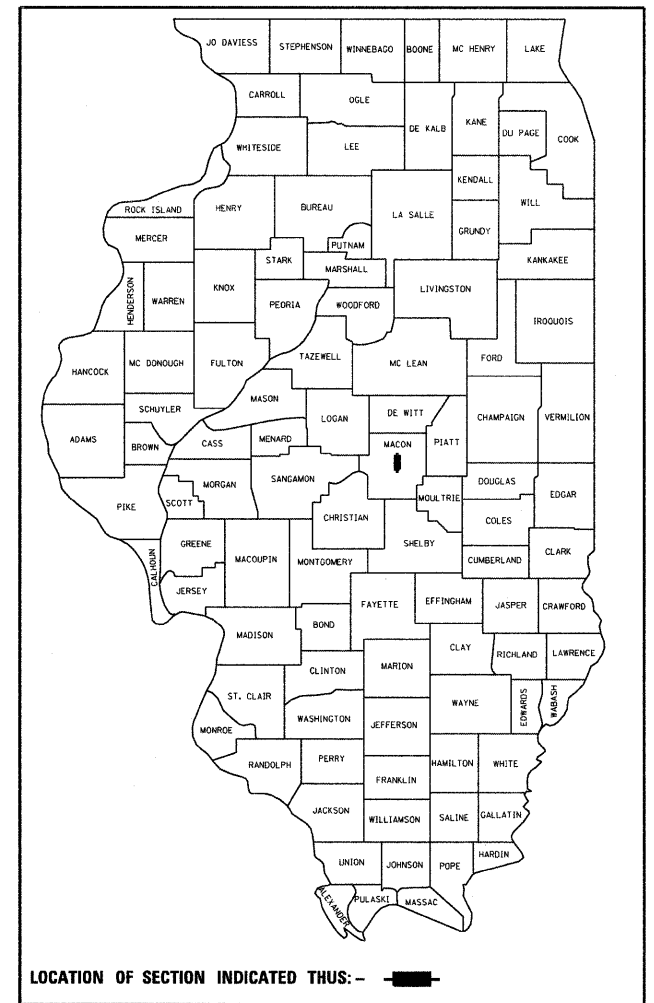
**PROPOSED
HIGHWAY PLANS**

FAP ROUTE 714 (IL ROUTE 105)
SECTION (58-20)(48X-2)RS-1 & 128RS-3
PROJECT --
RESURFACING
MACON COUNTY
C-97-119-09

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714		MACON	100	1
		ILLINOIS	CONTRACT NO. 74405	

(58-20)(48X-2)RS-1 & 128RS-3

D-97-063-09



FOR INDEX OF SHEETS, SEE SHEET NO. 2

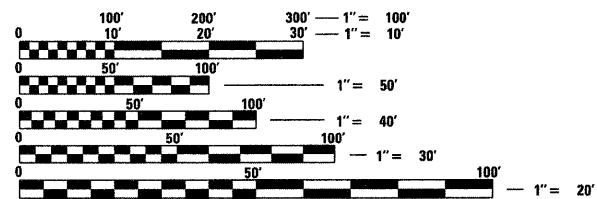
STATION EQUATION:
STA. 724 + 50.00 (BK) =
STA. 784 + 04.00 (AH)

ADT (2009)
IL 48 - 10,300
IL 105 - 13,700

IL 48 ENDS: STA. 889 + 21.97
IL 105 BEGINS: STA. 102 + 15.81

PROJECT BEGINS:
STA. 784 + 04.00

PROJECT ENDS:
STA. 151 + 01.73

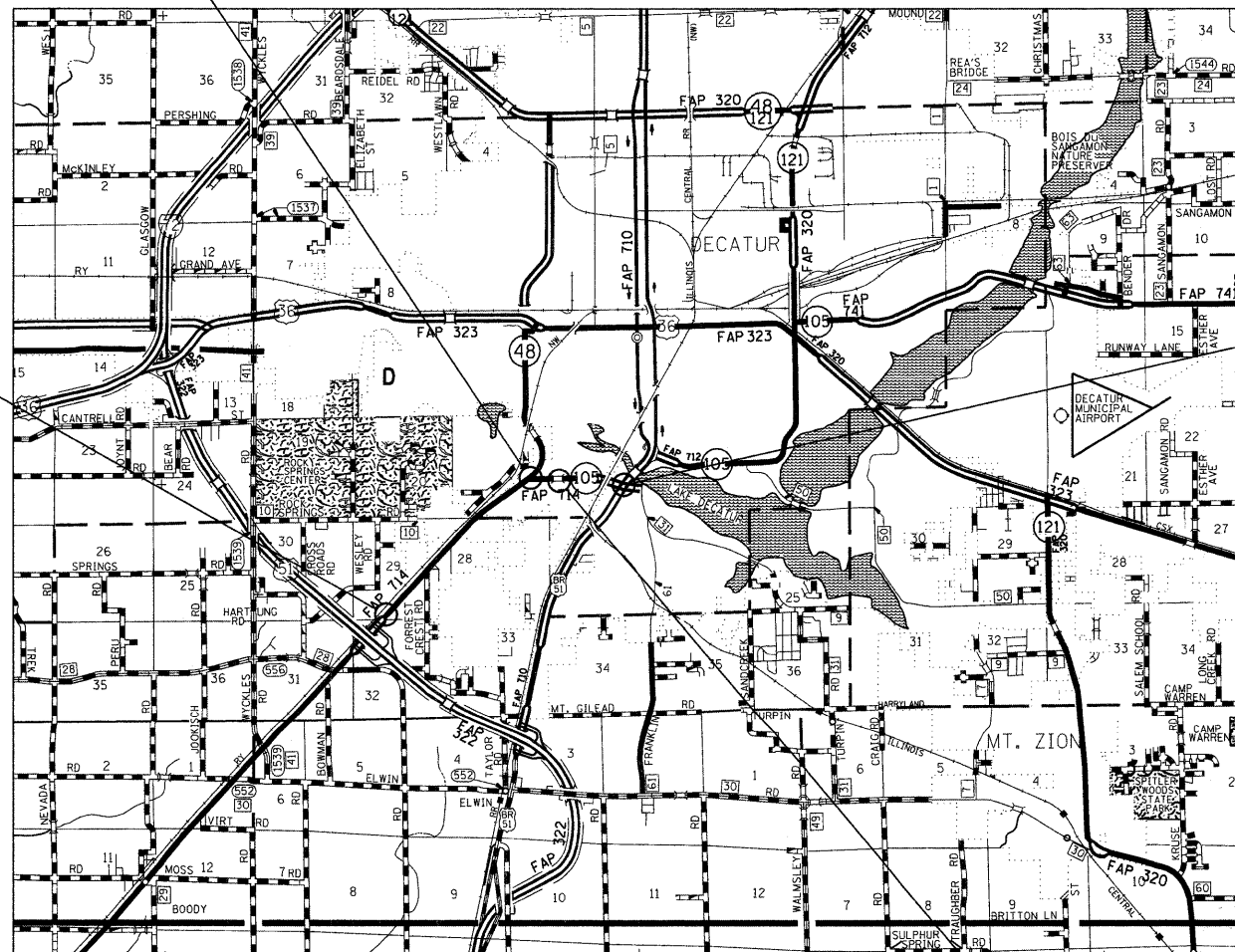


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

CONTRACT NO. 74405



GROSS LENGTH = 16,996.4 FT. = 3.22 MILE
NET LENGTH = 16,863.8 FT. = 3.19 MILE

S.N. 058-0112

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED January 25 20 10

Rose L. Dinkell
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 19, 2010
Scott E. Still, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

March 19, 2010
Christie M. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

INDEX OF SHEETS

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000001-05	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND OF A FOOT
442201-03	CLASS C AND D PATCHES
701101-02	OFF-ROAD OPERATIONS, MULTILANE, 15' TO 24' FROM PAVEMENT EDGE
701421-02	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS > 45 MPH TO 55 MPH
701422-02	LANE CLOSURE, MULTILANE, FOR SPEEDS > 45 MPH TO 55 MPH
701423-03	LANE CLOSURE, MULTILANE, WITH BARRIER, FOR SPEEDS > 45 MPH TO 55 MPH
701426-03	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS > 45 MPH TO 55 MPH
701501-05	URBAN LANE CLOSURE, 2L, 2W UNDIVIDED
701502-03	URBAN LANE CLOSURE, 2L, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701602-06	URBAN LANE CLOSURE, MULTILANE, 2W WITH BIDIRECTIONAL LEFT TURN LANE
701901-01	TRAFFIC CONTROL DEVICES
780001-02	TYPICAL PAVEMENT MARKINGS
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886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUT FOR DETECTOR 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" ADOPTED JANUARY 1, 2007 ; AND THE SPECIAL PROVISIONS INCLUDED IN THE PROPOSAL.

THIS PROJECT IS LOCATED ON ILLINOIS ROUTE 48 AND IL 105 IN MACON COUNTY, BEGINNING JUST NORTH OF THE US 51 INTERCHANGE, NORTH TO THE IL 105 INTERSECTION, THEN EAST ON IL 105 TO THE INTERSECTION OF US (BUSINESS) 51. THE WORK INCLUDED IN SECTION (58-20)(48X-2)RS-1&128RS-3 CONSISTS OF PAVEMENT PATCHING, MILLING, 1 1/2" OF HOT MIX ASPHALT RESURFACING, 3/4" LEVELING BINDER, AGGREGATE SHOULDER WEDGE AND ANY OTHER WORK NECESSARY TO COMPLETE THIS SECTION. STAGE CONSTRUCTION WILL BE UTILIZED.

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

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

THE TOTAL QUANTITY OF THERMOPLASTIC PAVEMENT LETTERS AND SYMBOLS CONSISTS OF 1,451 SQ. FT.

THE TOTAL QUANTITY OF THERMOPLASTIC PAVEMENT MARKING-LINE 4" CONSISTS OF 6,100 FEET OF YELLOW AND 14,427 OF WHITE.

THE TOTAL QUANTITY OF THERMOPLASTIC PAVEMENT MARKING-LINE 6" CONSISTS OF 182 FEET OF WHITE.

THE TOTAL QUANTITY OF THERMOPLASTIC PAVEMENT MARKING-LINE 12" CONSISTS OF 182 FEET OF WHITE.

THE TOTAL QUANTITY OF THERMOPLASTIC PAVEMENT MARKING-LINE 24" CONSISTS OF 27 FEET OF WHITE.

THE TOTAL QUANTITY OF RAISED REFLECTIVE PAVEMENT MARKERS IS 610, 418 TWO-WAY AMBER AND 192 MONODIRECTIONAL CRYSTAL

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

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

TEMPORARY TAPERS WILL BE REQUIRED AFTER THE BITUMINOUS SURFACE REMOVAL OPERATION HAS BEEN PREFORMED AND ANY SUBSEQUENT RESURFACING OPERATION NEEDING TEMPORARY TAPERS. THE CONTRACTOR SHALL CONSTRUCT TEMPORARY TAPERS (MAX. 2 FEET IN LENGTH) AT ENTRANCES IN CURB AND GUTTER, GUTTER AREAS, AND AREAS THAT HAVE BEEN MILLED 2 1/2". THIS WORK SHALL PAID FOR AS TEMPORARY RAMP PER SQ YD.

GENERAL NOTES (Cont'd)

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

THE PAY ITEM TEMPORARY RAMP HAS BEEN INCLUDED FOR THE CONSTRUCTION OF TEMPORARY RAMPS IN ACCORDANCE WITH ARTICLE 406.18 OF THE STANDARD SPECIFICATIONS (EXCEPT WHERE NOTED IN THE PLANS). THE COST SHALL INCLUDE BOTH THE INSTALLATION AND THE REMOVAL OF THE TEMPORARY RAMPS.

THE RESIDENT ENGINEER SHALL BE THE SOLE JUDGE CONCERNING THE CURING TIME FOR THE VARIOUS BITUMINOUS LIFTS.

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

MIXTURE USE:	SURFACE COURSE
APPLICATION:	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX D, N90
PG GRADE:	SBS 70-22
DESIGN AIR VOIDS:	4.0% @ N=90
MIXTURE COMPOSITION:	IL-9.5
FRICITION AGGREGATE:	MIX D
MIXTURE USE:	LEVEL BINDER
APPLICATION:	LEVELING BINDER (MACHINE METHOD), N90
PG GRADE:	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N=90
MIXTURE COMPOSITION:	IL-9.5
FRICITION AGGREGATE:	NA
MIXTURE USE:	PAVEMENT PATCHING
APPLICATION:	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70
PG GRADE:	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N=70
MIXTURE COMPOSITION:	IL-19.0
FRICITION AGGREGATE:	N/A

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

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

PERMANENT SURVEY MARKERS ON THIS PROJECT SHALL BE PROTECTED AND PRESERVED. IF ANY PERMANENT SURVEY MARKERS ARE DISTURBED OR DESTROYED, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO HIRE A REGISTERED LAND SURVEYOR TO RE-ESTABLISH THE PERMANENT SURVEY MARKER AND TO RECONSTRUCT THE SURVEY MARKER VAULT TO THE SATISFACTION OF THE ENGINEER.

• (58-20)(48X-2)RS-1 & 128RS-3

FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS AND GENERAL NOTES				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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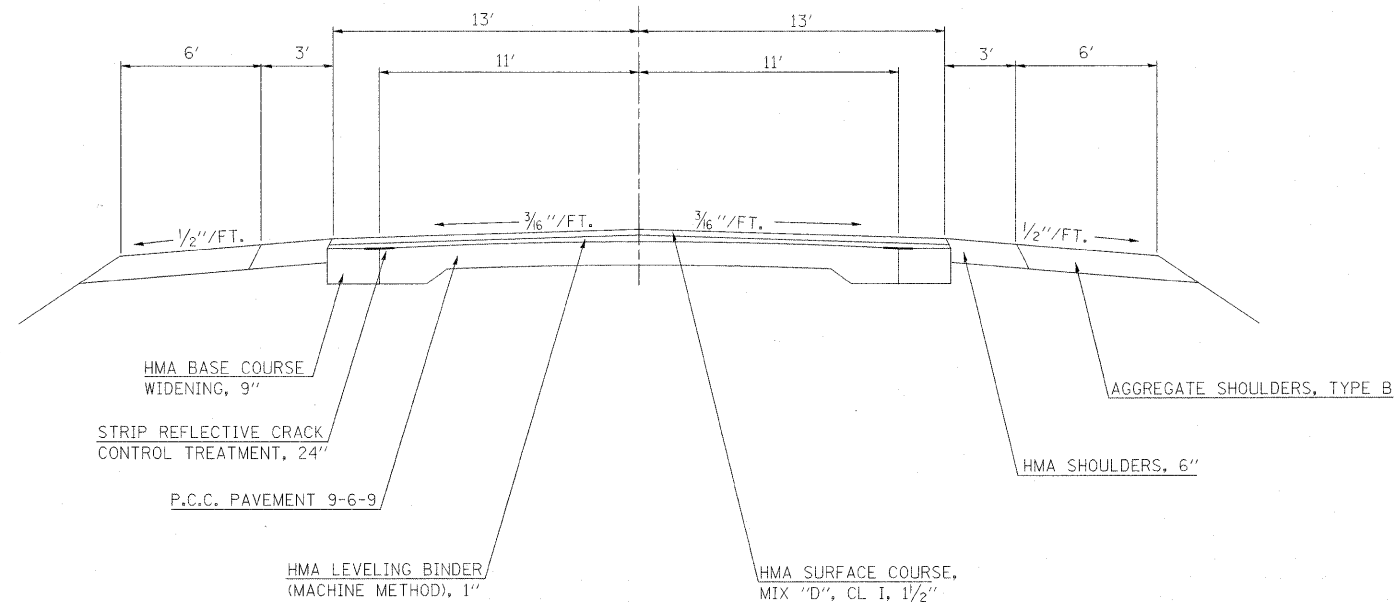
SUMMARY OF QUANTITIES			100% STATE	CONSTRUCTION TYPE CODE	
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	URBAN 1000	URBAN S.N. 058-0112 X031-2A
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	8246	8246	
40600300	AGGREGATE (PRIME COAT)	TON	142	142	
40600645	LEVELING BINDER (MACHINE METHOD), N90	TON	8520	8520	
40600895	CONSTRUCTING TEST STRIP	EACH	1	1	
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1314	1314	
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	247	247	
40600990	TEMPORARY RAMP	SQ YD	881	881	
40603545	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	13141	13141	
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	75313	75313	
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SQ YD	1506	1506	
48101200	AGGREGATE SHOULDERS, TYPE B	TON	994	994	
50102400	CONCRETE REMOVAL	CU YD	20.7		20.7
50300255	CONCRETE SUPERSTRUCTURE	CU YD	20.7		20.7
50500405	FURNISHING AND ERECTING STRUCTURAL STEEL	POUND	2320		2320
50500715	JACK AND REMOVE EXISTING BEARINGS	EACH	20		20
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	2800		2800
50800515	BAR SPLICERS	EACH	48		48
51500200	RELOCATING NAME PLATES	EACH	1		1
52000110	PREFORMED JOINT STRIP SEAL	FOOT	153		153
52100010	ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	20		20
52100520	ANCHOR BOLTS, 1"	EACH	40		40
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6	
67100100	MOBILIZATION	L SUM	1	1	
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1	
70100325	TRAFFIC CONTROL AND PROTECTION, STANDARD 701423	EACH	2		2
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1	
70102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	L SUM	1	1	

SUMMARY OF QUANTITIES (Cont'd)			100% STATE	CONSTRUCTION TYPE CODE	
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	URBAN 1000	URBAN S.N. 058-0112 X031-2A
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	94481	94481	
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1451	1451	
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	38766	38766	
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	6643	6643	
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	763	763	
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	828	828	
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	309	309	
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	24677	24677	
70400100	TEMPORARY CONCRETE BARRIER	FOOT	600	600	
70400200	RELOCATE TEMPORARY CONCRETE BARRIER	FOOT	600	600	
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	1451	1451	
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	38766	38766	
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	6643	6643	
* 78000500	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	763	763	
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	828	828	
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	309	309	
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	612	612	
* 78200300	PRISMATIC CURB REFLECTOR	EACH	201	201	
* 88500100	INDUCTIVE LOOP DETECTOR	EACH	38	38	
* 88600100	DETECTOR LOOP, TYPE I	FOOT	3811	3811	
X0325702	NIGHTTIME WORK ZONE LIGHTING	L SUM	1	1	
X4400220	CURB REMOVAL AND REPLACEMENT	FOOT	431	431	
Z0030240	IMPACT ATTENUATORS, TEMPORARY (NON-REDIRECTIVE), TEST LEVEL 2	EACH	2	2	
Z0030340	IMPACT ATTENUATORS, RELOCATE (NON-REDIRECTIVE), TEST LEVEL 2	EACH	2	2	
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1	

* SPECIALTY ITEMS

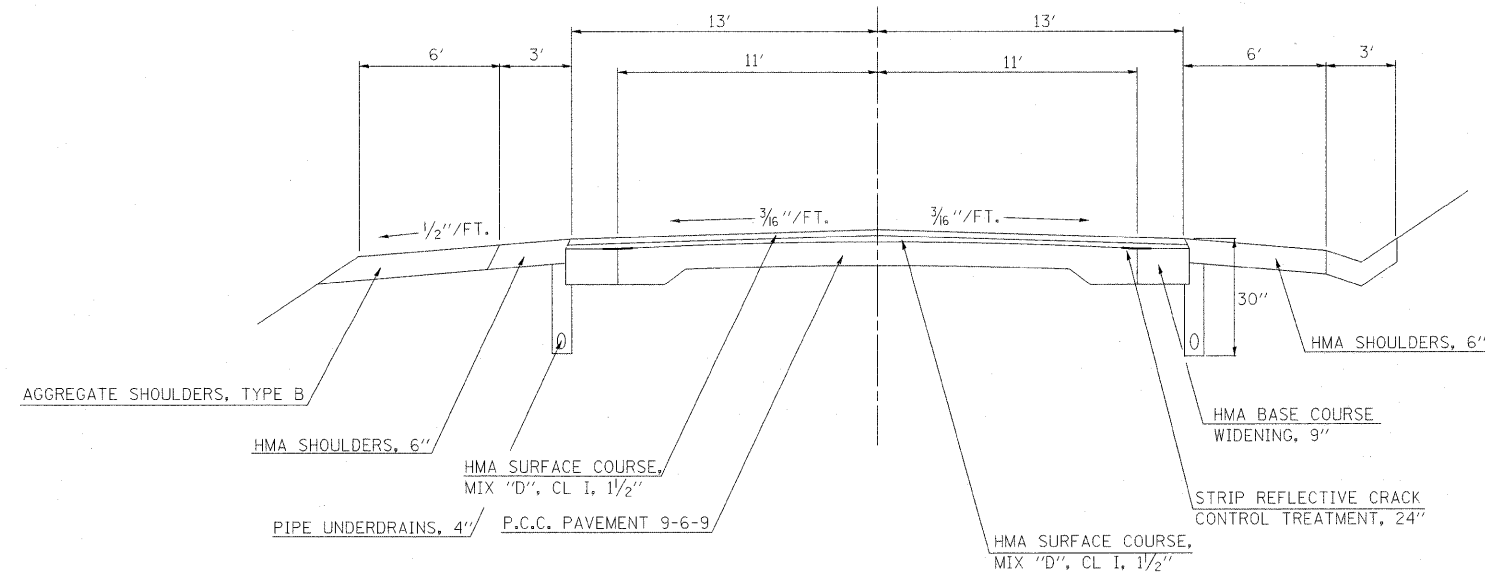
EXISTING TYPICAL/IL 48

STA. 784+04 TO STA. 813+33
 STA. 819+18 TO STA. 824+70
 STA. 834+75 TO STA. 841+30



EXISTING TYPICAL/IL 48

STA. 813+33 TO STA. 819+18
 STA. 824+70 TO STA. 834+75

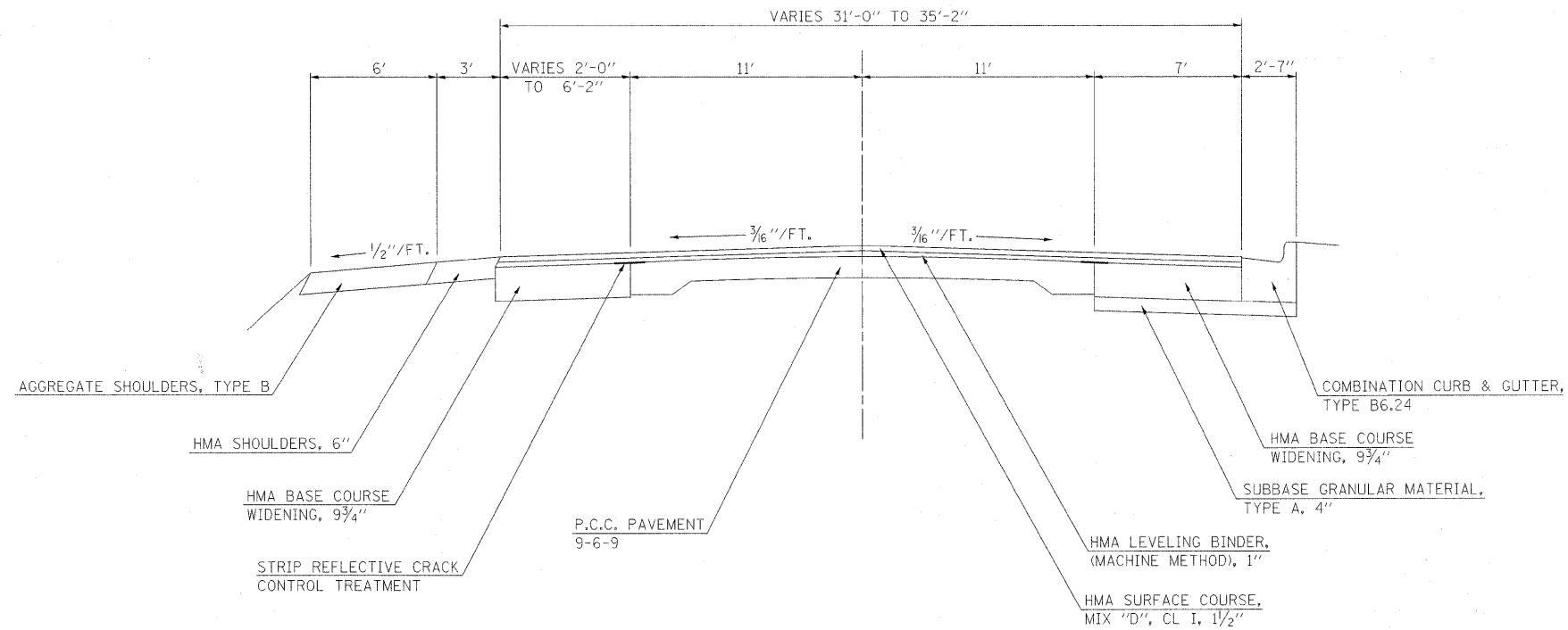


• (58-20)(48X-2)RS-1 & 128RS-3

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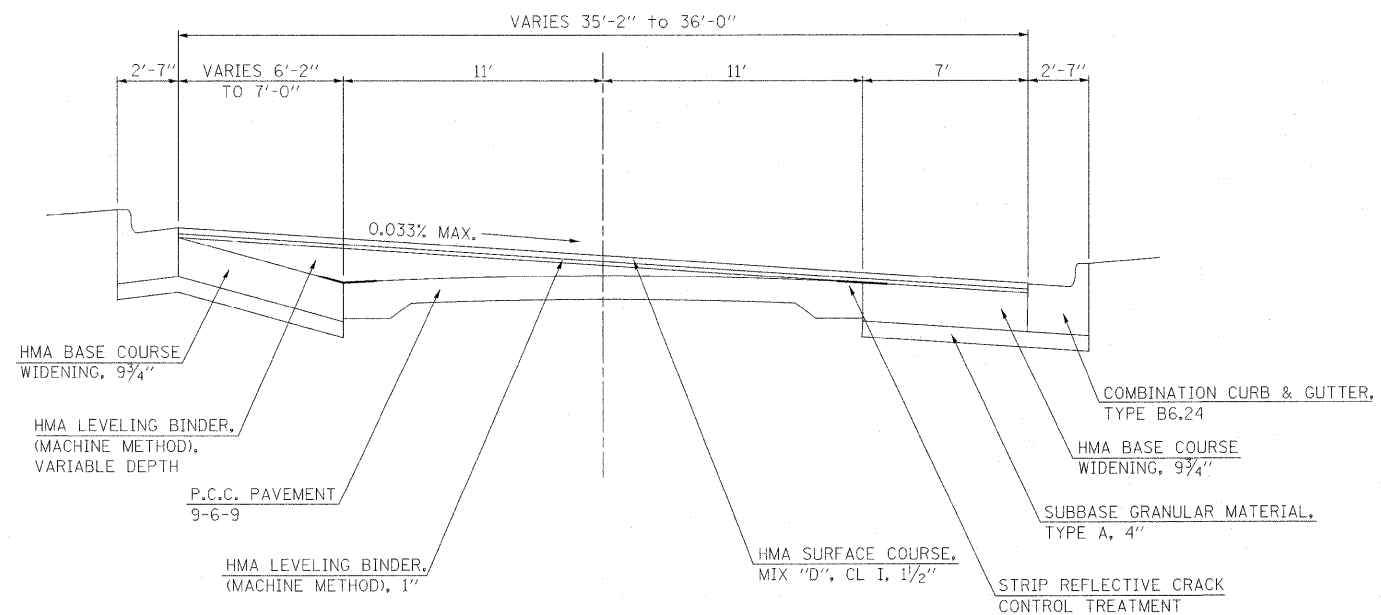
EXISTING TYPICAL/IL 48

STA. 841+30 TO STA. 843+28.58



EXISTING TYPICAL/IL 48

STA. 843+28.58 TO STA. 846+51.91

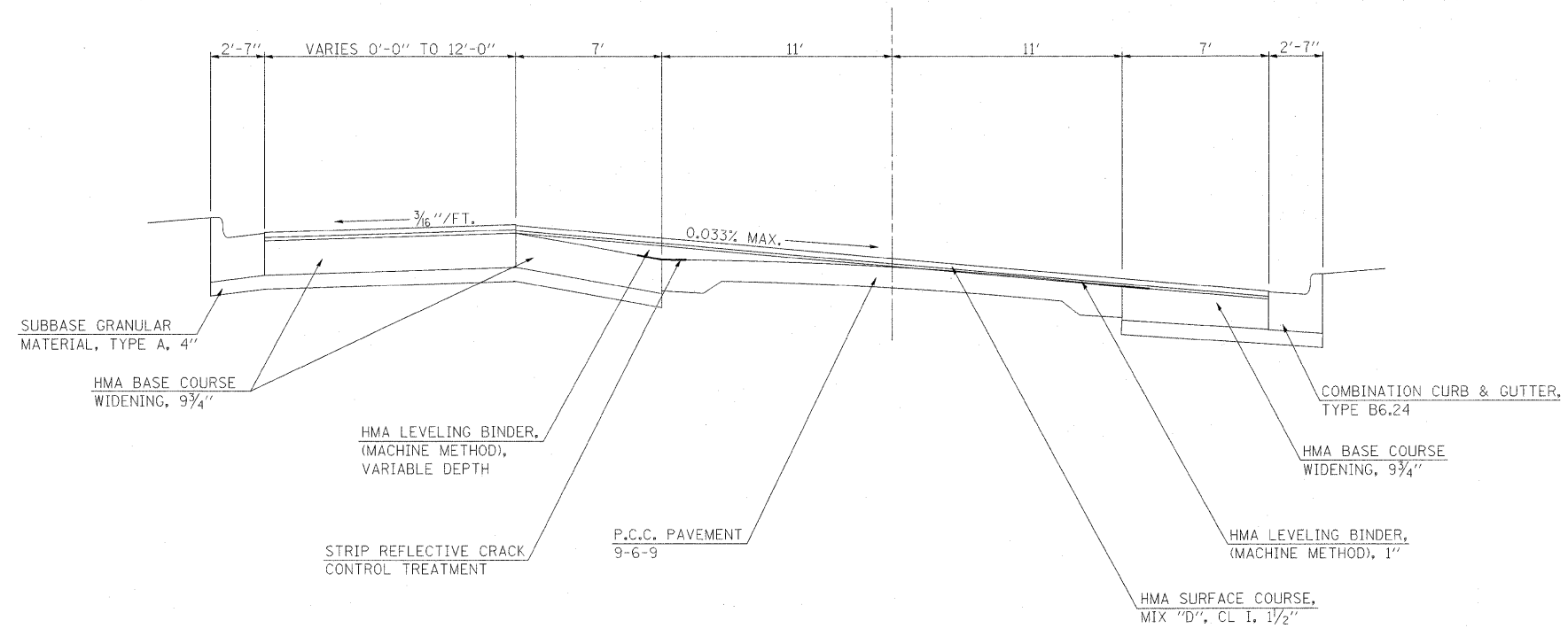


• (58-20)(48X-2)RS-1 & 128RS-3

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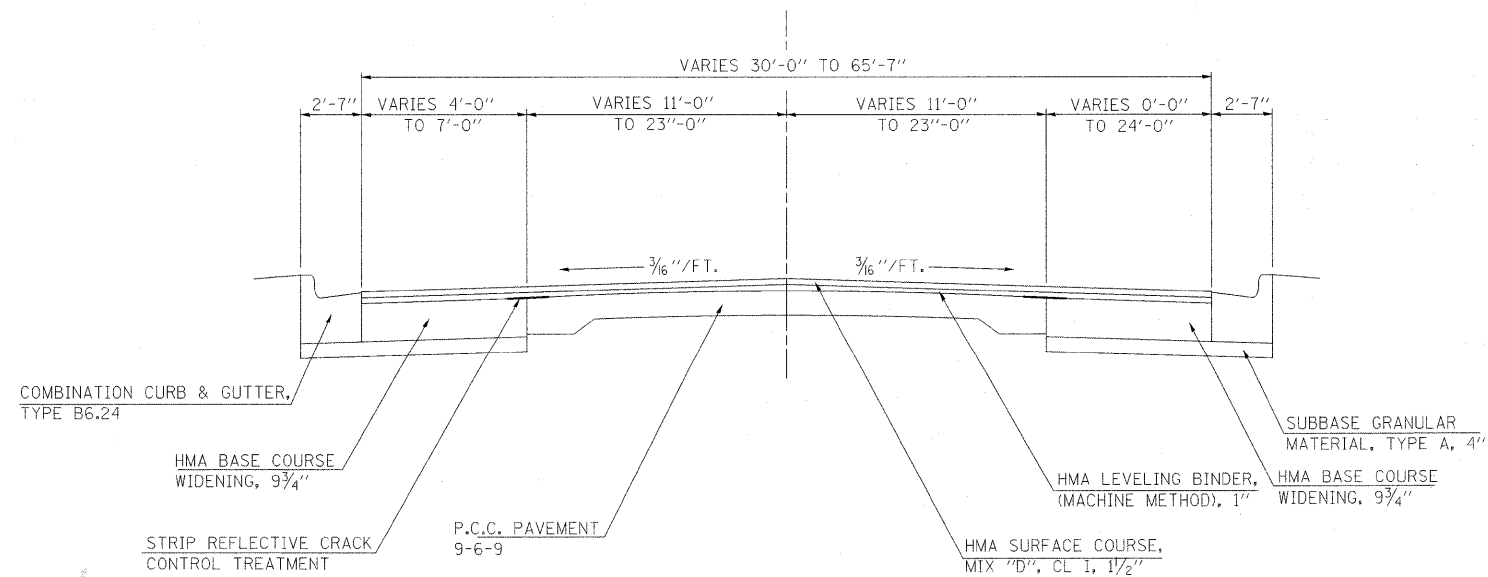
EXISTING TYPICAL/IL 48

STA. 846+51.91 TO STA. 855+59.05



EXISTING TYPICAL/IL48

STA. 855+59.05 TO STA. 884+12.97

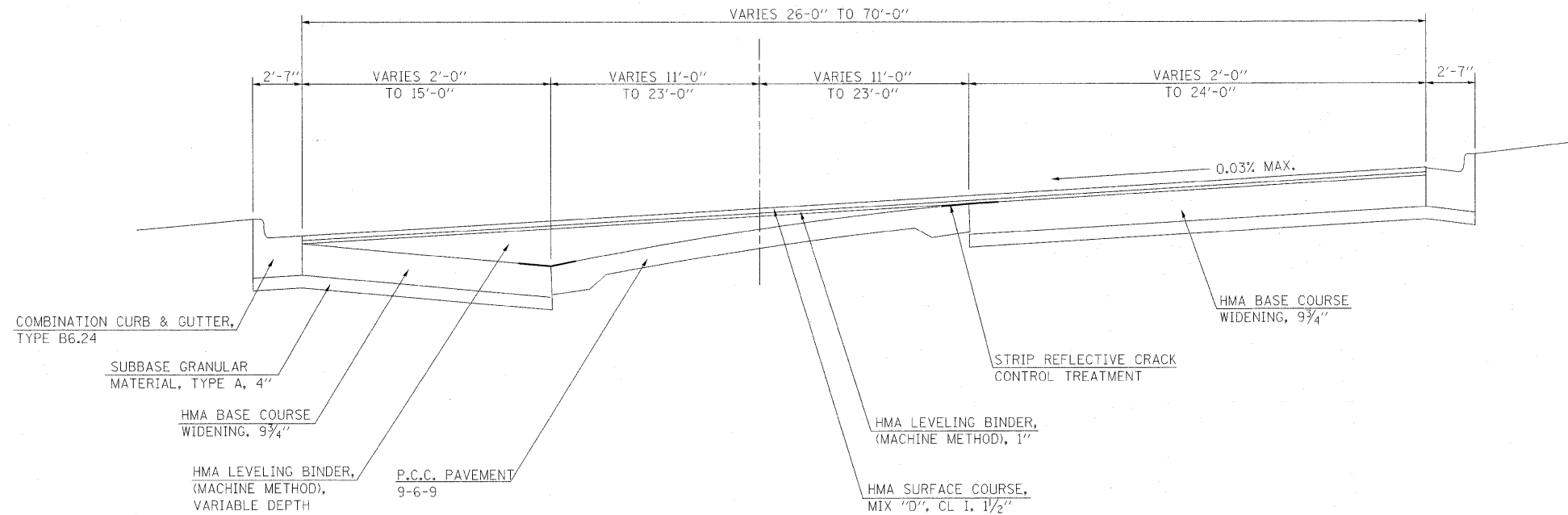


• (58-20)(48X-2)RS-1 & 128RS-3

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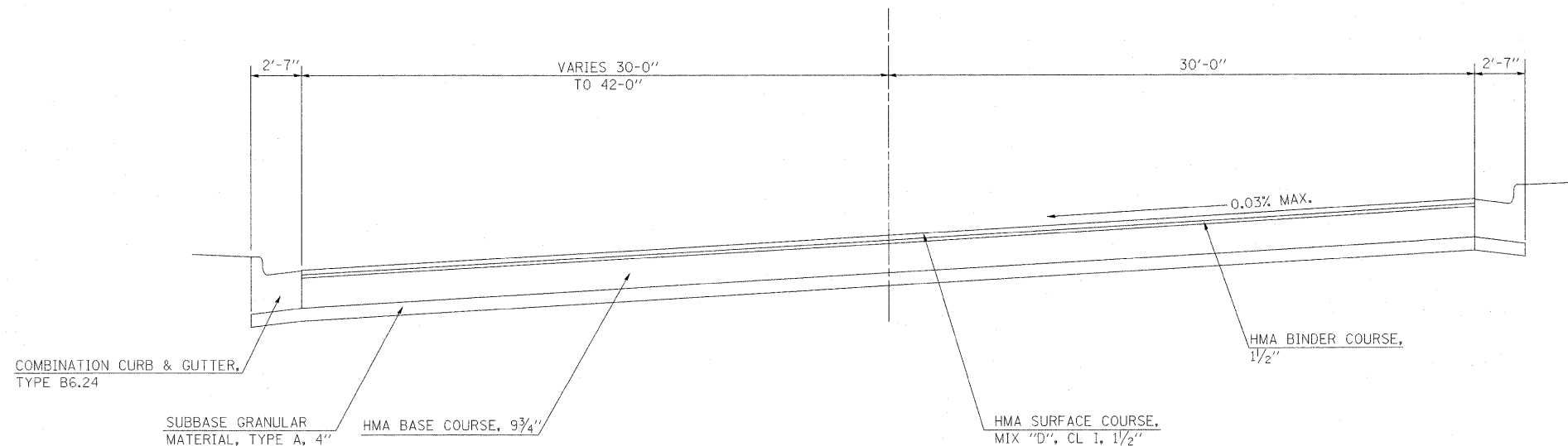
EXISTING TYPICAL/IL 48

STA. 884+12.97 TO STA. 889+21.97



EXISTING TYPICAL/IL 105

STA. 102+15.81 TO STA. 110+46.63



• (58-20)(48X-2)RS-1 & 128RS-3

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

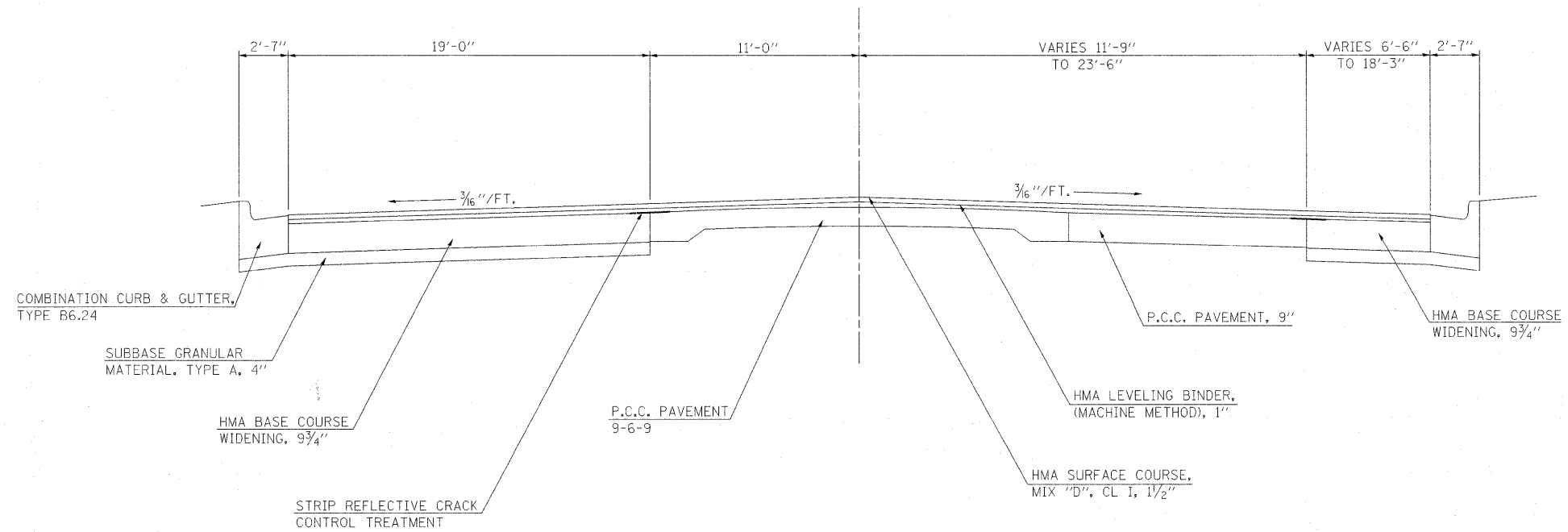
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 74405				
ILLINOIS FED. AID PROJECT				

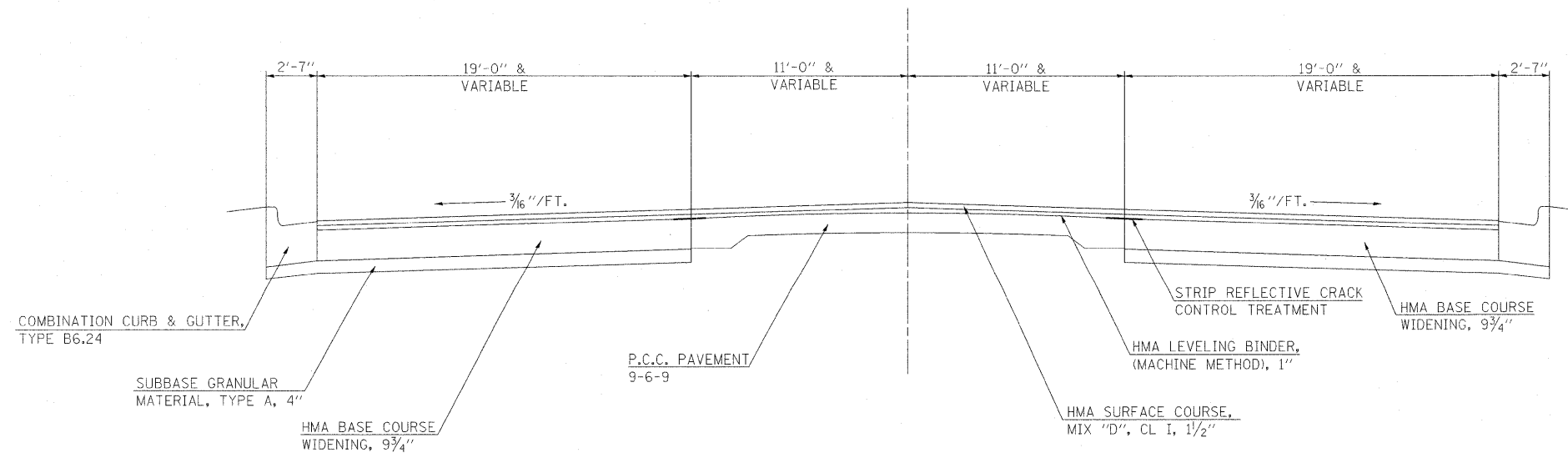
EXISTING TYPICAL/IL 105

STA. 110+46.63 TO STA. 114+88.00



EXISTING TYPICAL/IL 105

STA. 114+88.00 TO STA. 128+80.00



• (58-20)(48X-2)RS-1 & 128RS-3

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DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

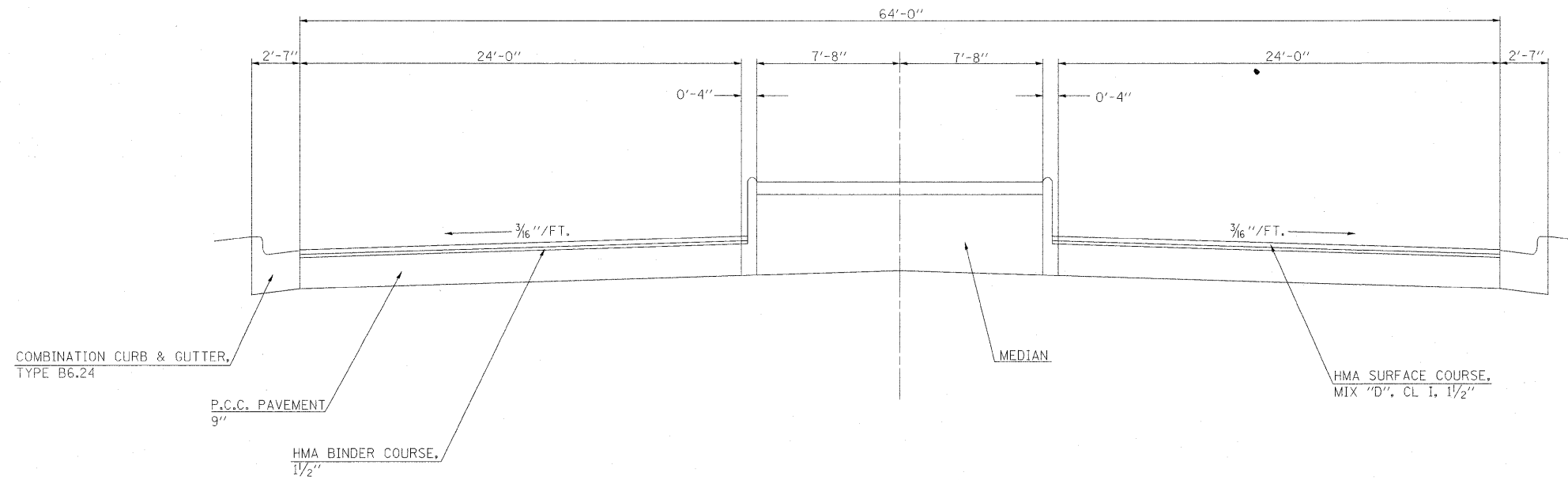
EXISTING TYPICAL
SECTIONS

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CONTRACT NO. 74405			ILLINOIS FED. AID PROJECT	

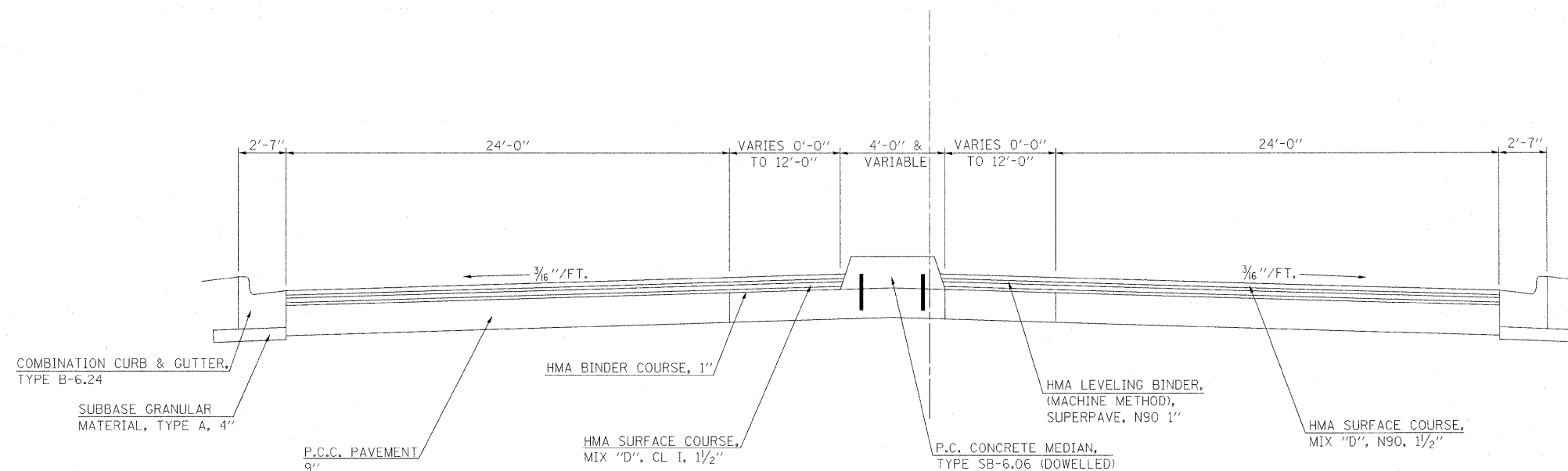
EXISTING TYPICAL/IL 105

STA. 128+80.00 TO STA. 135+75.00



EXISTING TYPICAL/IL 105

STA. 135+75.00 TO STA. 140+53.95

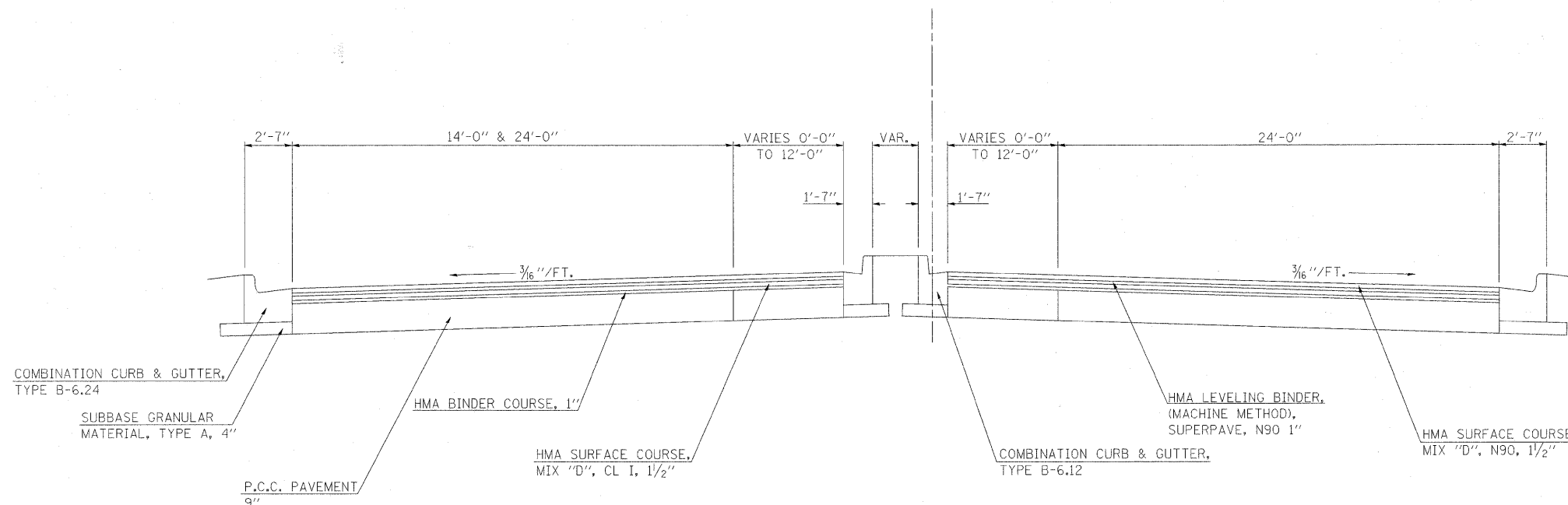


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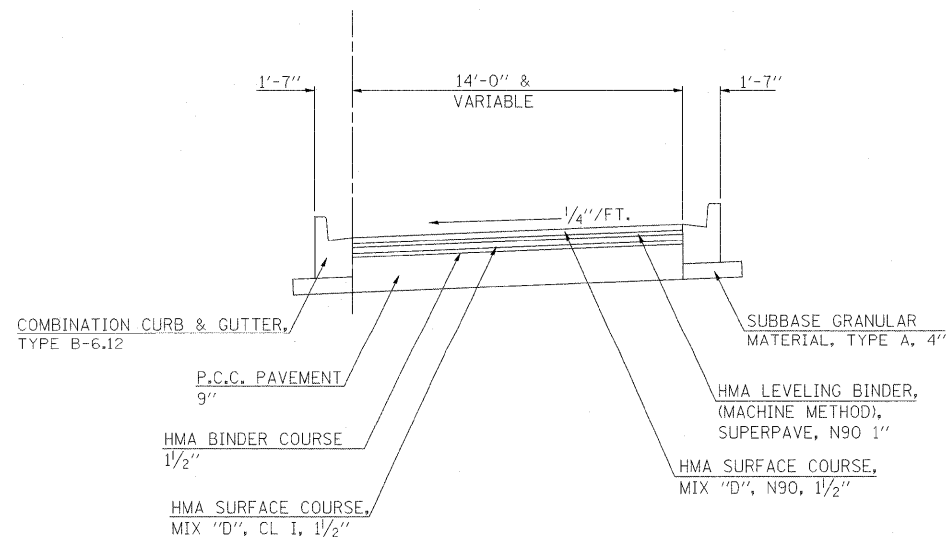
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ct:\pw_work\puidot\swartzw\d0146320\077405-sht-typical.dgn	PLOT SCALE = 20.0000' / IN.	DRAWN -	REVISED -			714	*	MACON	100	9	
PLOT DATE = 1/19/2010	DATE -	CHECKED -	REVISED -			CONTRACT NO. 74405			ILLINOIS FED. AID PROJECT		
		DATE -	REVISED -			SCALE:	SHEET NO. 6 OF 7 SHEETS	STA.	TO STA.		

EXISTING TYPICAL/IL 105

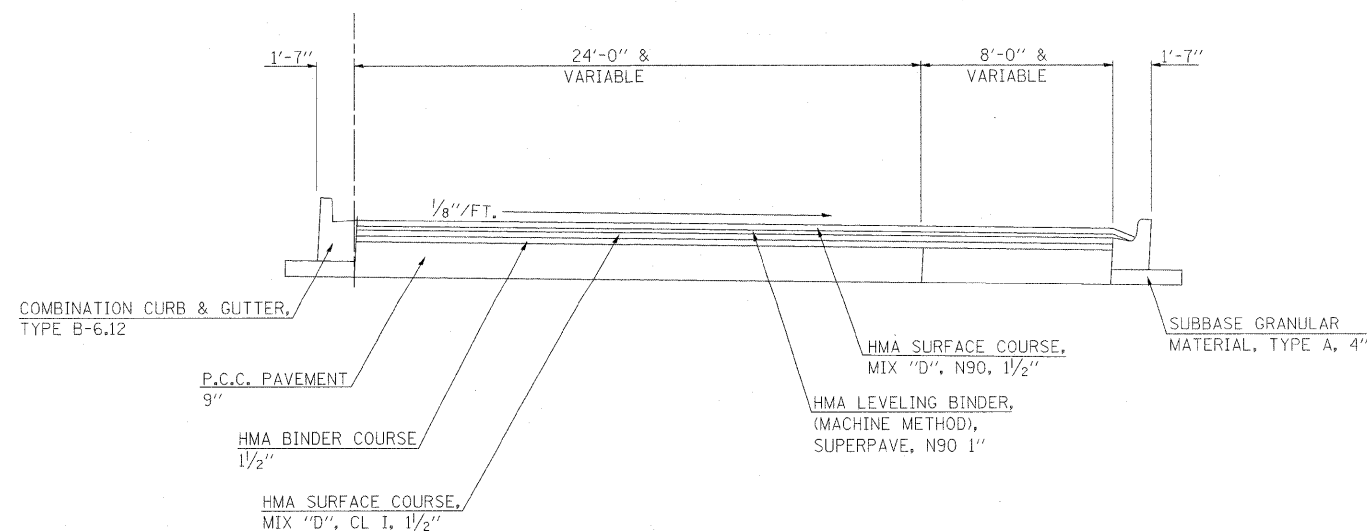
STA. 140+53.95 TO STA. 151+01.73



EXISTING TYPICAL/RAMP "M"



EXISTING TYPICAL/RAMP "N"



FILE NAME =	USER NAME = swartzrw	DESIGNED -	REVISED -
ct:\pw_work\pwt\dot\swartzrw\d0146320\0774	405-sh-typical.dgn	DRAWN -	REVISED -
	PLOT SCALE = 20,0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/19/2010	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING TYPICAL
SECTIONS

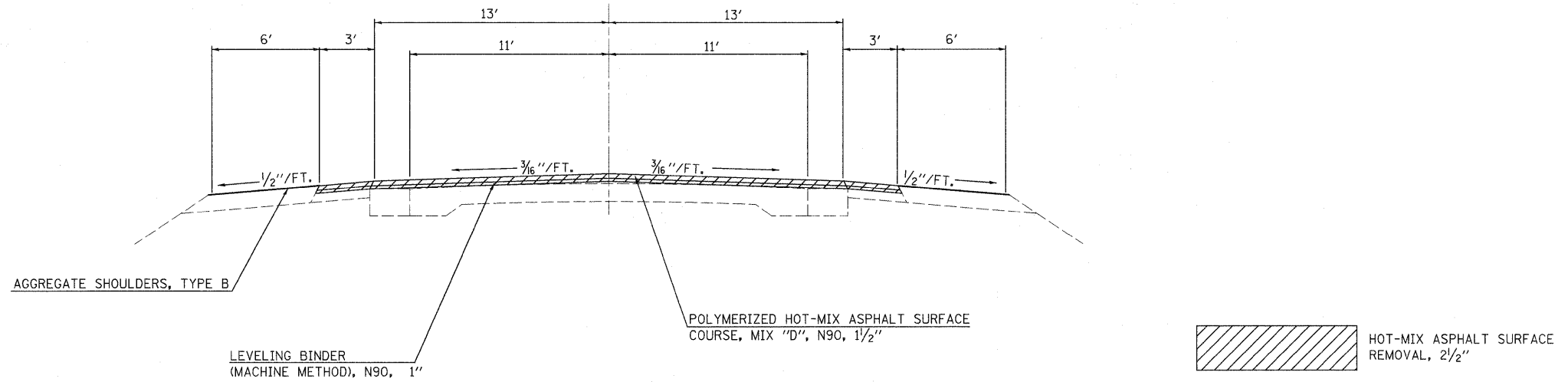
SCALE: SHEET NO. 7 OF 7 SHEETS STA. TO STA.

• (58-20)(48X-2)RS-1 & 128RS-3

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	*	MACON	100	10
			CONTRACT NO. 74405	
ILLINOIS FED. AID PROJECT				

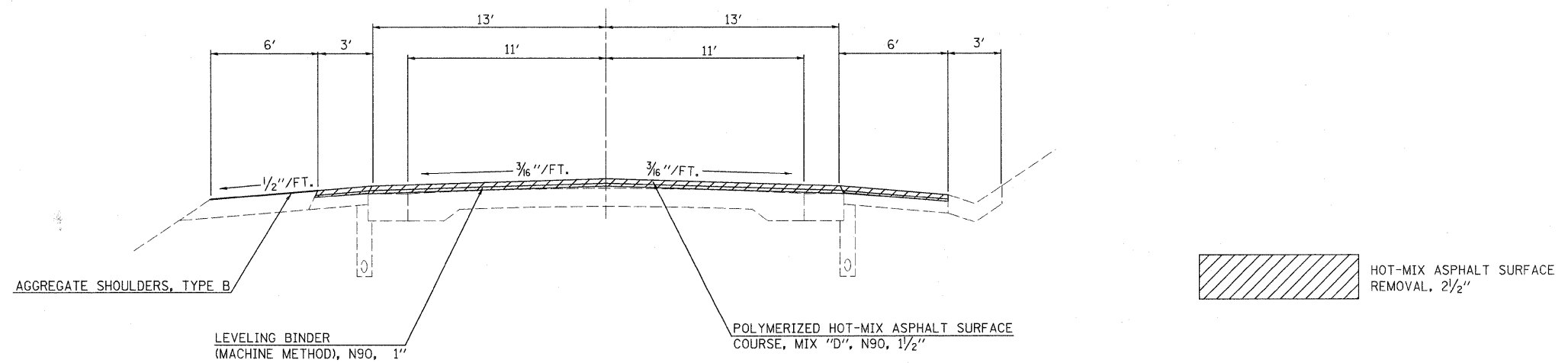
① PROPOSED TYPICAL/IL 48

STA. 784+04 TO STA. 813+33
 STA. 819+18 TO STA. 824+70
 STA. 834+75 TO STA. 841+30



② PROPOSED TYPICAL/IL 48

STA. 813+33 TO STA. 819+18
 STA. 824+70 TO STA. 834+75



• (58-20X48X-2IRS-1 & 128RS-3

FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -
c:\pwork\pwork\swartzw\d0146320\0774	495-shr-typical.dgn	DRAWN -	REVISED -
PLOT SCALE = 20,0000 ' / IN.	CHECKED -	REVISED -	REVISED -
PLOT DATE = 1/19/2010	DATE -	REVISED -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

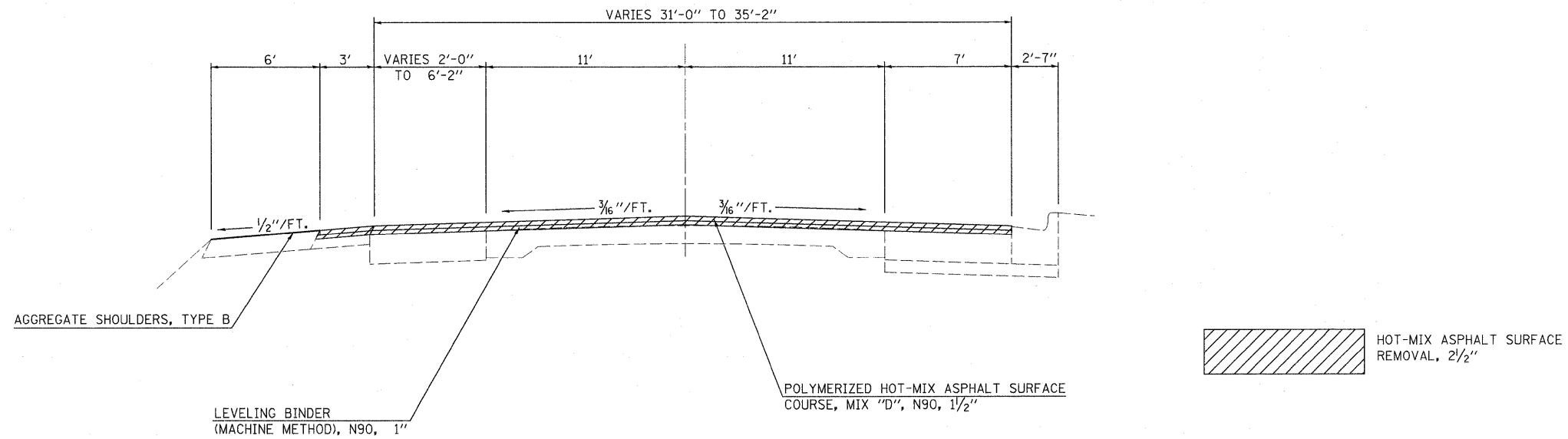
PROPOSED TYPICAL
 SECTIONS

SCALE: SHEET NO. 1 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	•	MACON	100	11
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74405	

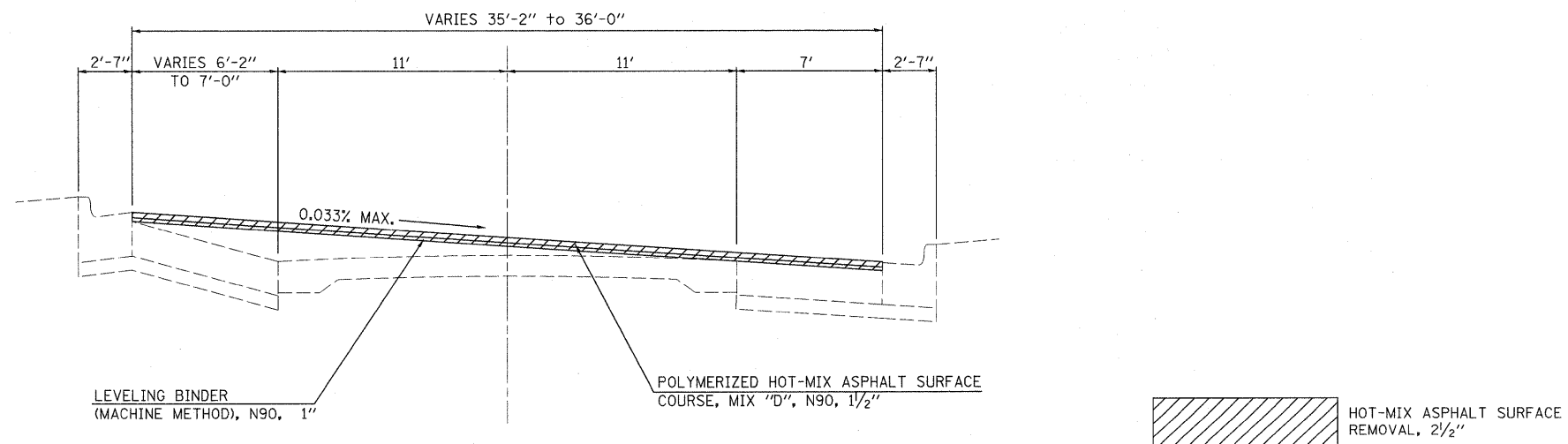
③ PROPOSED TYPICAL/IL 48

STA. 841+30 TO STA. 843+28.58



④ PROPOSED TYPICAL/IL 48

STA. 843+28.58 TO STA. 846+51.91

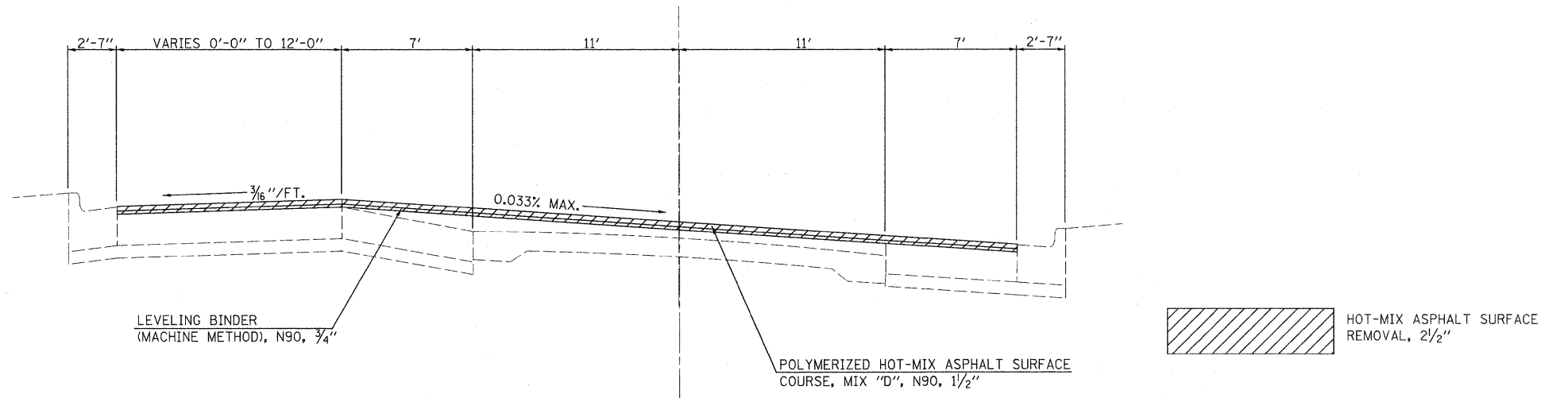


• (58-20)(48X-2)RS-1 & 128RS-3

FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
cs:\pw\work\pw\dot\swartzw\d\8146328\077	485-shr-typical.dgn	DRAWN -	REVISED -				714	•	MACON	100	12
	PLOT SCALE = 20,0000' / IN.	CHECKED -	REVISED -		CONTRACT NO. 74405			ILLINOIS FED. AID PROJECT			
	PLOT DATE = 1/19/2010	DATE -	REVISED -		SCALE:	SHEET NO. 2 OF 7 SHEETS	STA. TO STA.				

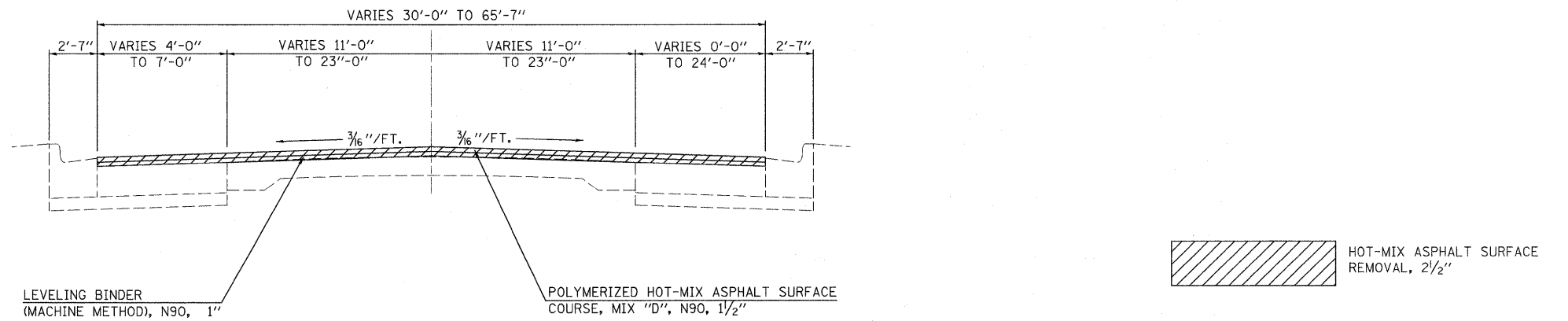
⑤ PROPOSED TYPICAL/IL 48

STA. 846+51.91 TO STA. 855+59.05



⑥ PROPOSED TYPICAL/IL48

STA. 855+59.05 TO STA. 884+12.97

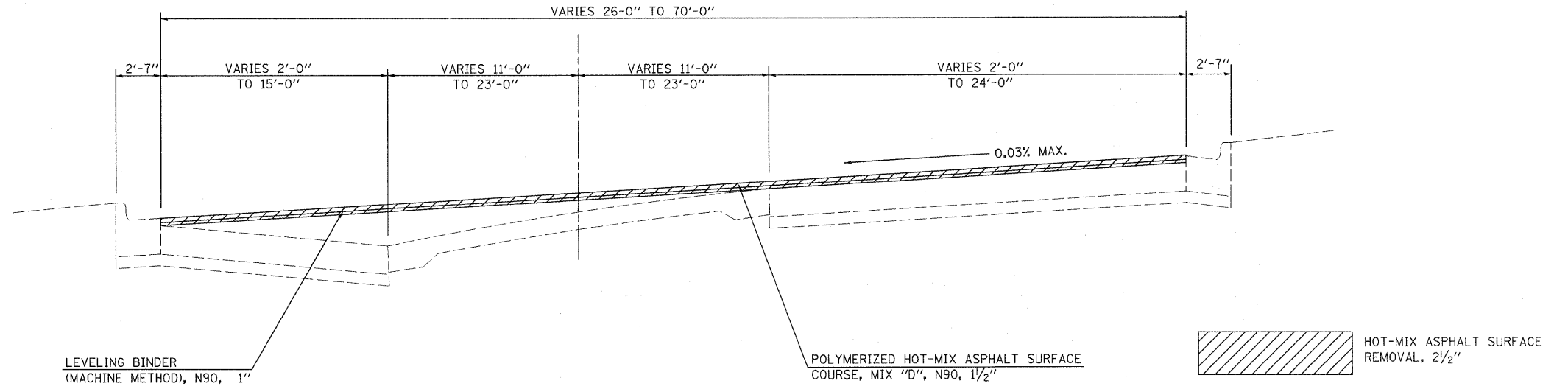


• (58-20)(48X-2)RS-1 & 12BRS-3

FILE NAME =	USER NAME = swartzrw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ci:\pw_work\pwidot\swartzrw\d0146320\0774405-sht-typical.dgn		DRAWN -	REVISED -		714	*	MACON	100	13			
PLOT SCALE = 20,0000 "/ IN.		CHECKED -	REVISED -		CONTRACT NO. 74405			ILLINOIS FED. AID PROJECT				
PLOT DATE = 1/19/2010		DATE -	REVISED -		SCALE:	SHEET NO. 3 OF 7 SHEETS	STA.	TO STA.				

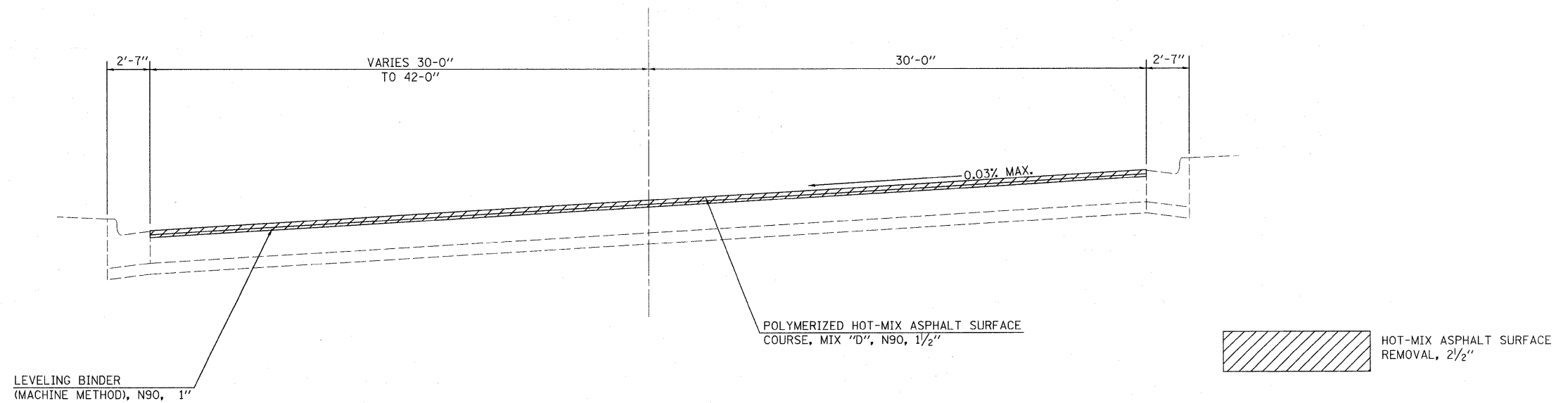
⑦ PROPOSED TYPICAL/IL 48

STA. 884+12.97 TO STA. 889+21.97



⑧ PROPOSED TYPICAL/IL 105

STA. 102+15.81 TO STA. 110+46.63

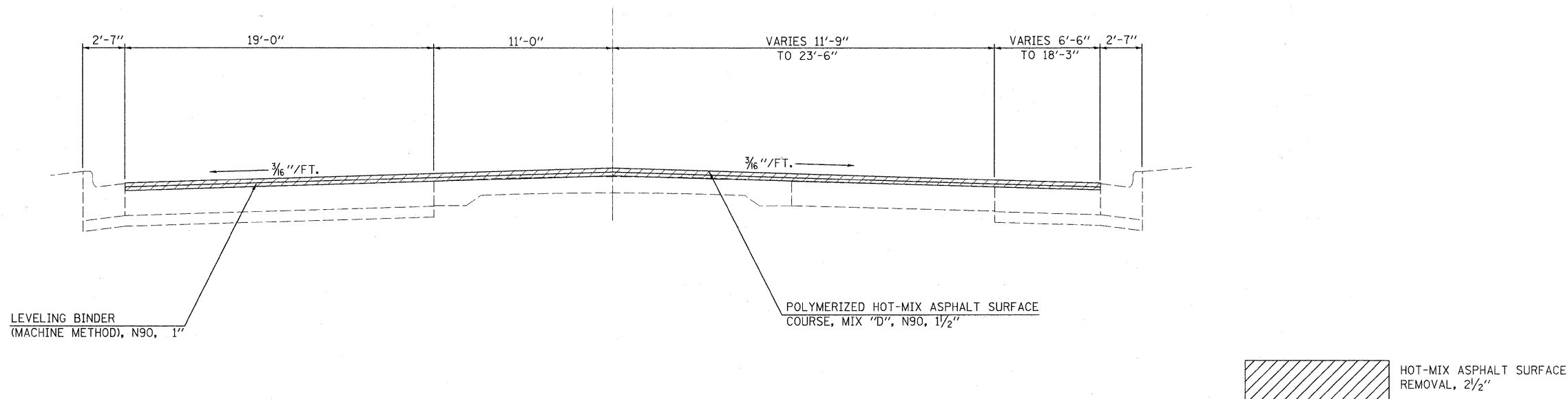


• (58-20)(48X-2)RS-1 & 128RS-3

FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
c:\pwwork\pwwork\swartzw\d0146320\0774	405-shr-typical.dgn	DRAWN -	REVISED -		SCALE:	SHEET NO. 4 OF 7 SHEETS	STA.	TO STA.	714	*	MACON	100	14
	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -		CONTRACT NO. 74405								
	PLOT DATE = 1/19/2010	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

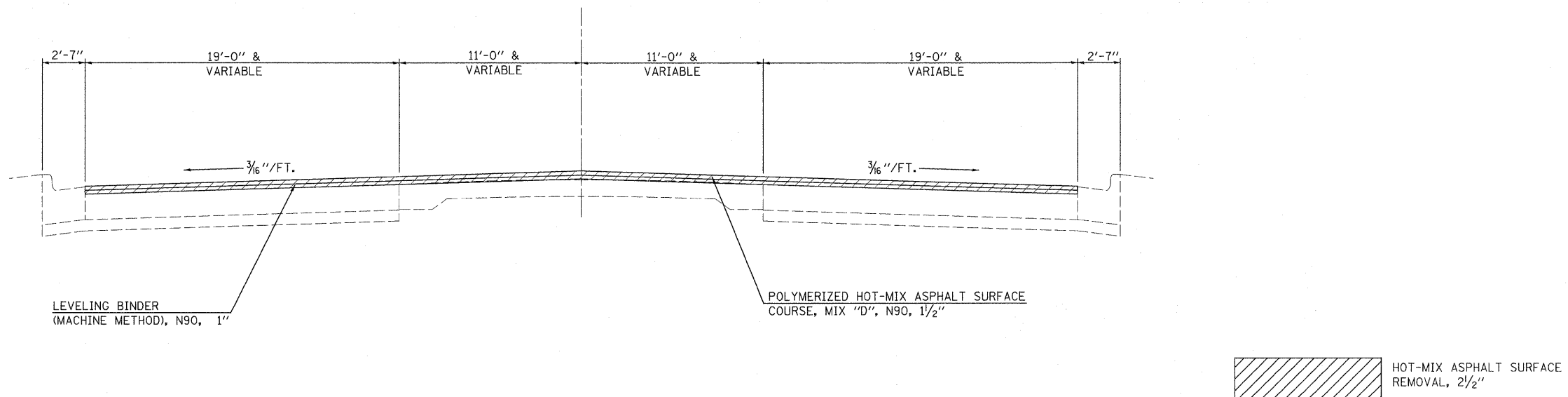
⑨ PROPOSED TYPICAL/IL 105

STA. 110+46.63 TO STA. 114+88.00



⑩ PROPOSED TYPICAL/IL 105

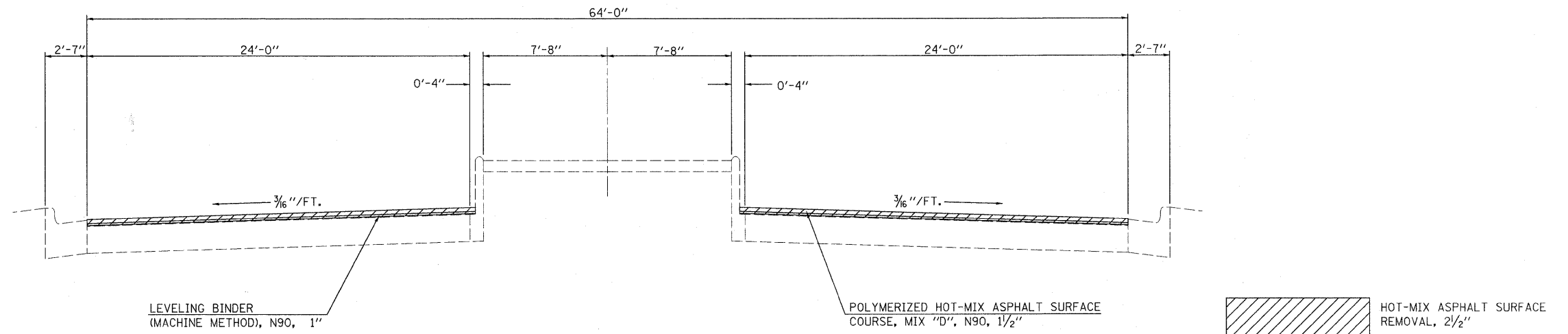
STA. 114+88.00 TO STA. 128+80.00



FILE NAME =	USER NAME = swartzrw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pw\work\pwidot\swartzrw\d0146320\0774	405-shr-typical.dgn	DRAWN -	REVISED -		SCALE:	SHEET NO. 5 OF 7 SHEETS	STA.	714	*	MACON	100	15
	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -				TO STA.					
	PLOT DATE = 1/19/2010	DATE -	REVISED -									
• (58-20)(48X-2)RS-1 & 128RS-3												
ILLINOIS FED. AID PROJECT												

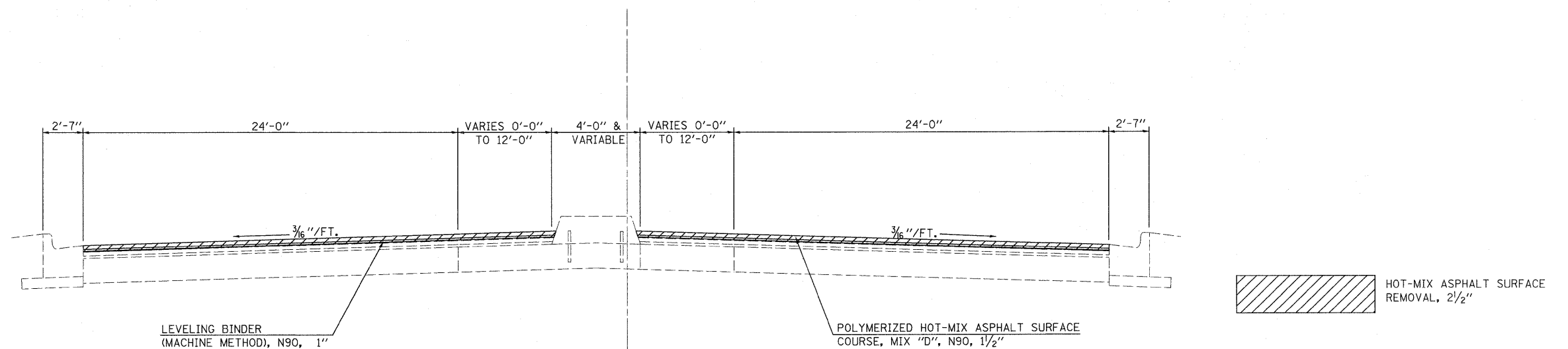
⑪ PROPOSED TYPICAL/IL 105

STA. 128+80.00 TO STA. 135+75.00



⑫ PROPOSED TYPICAL/IL 105

STA. 135+75.00 TO STA. 140+53.95

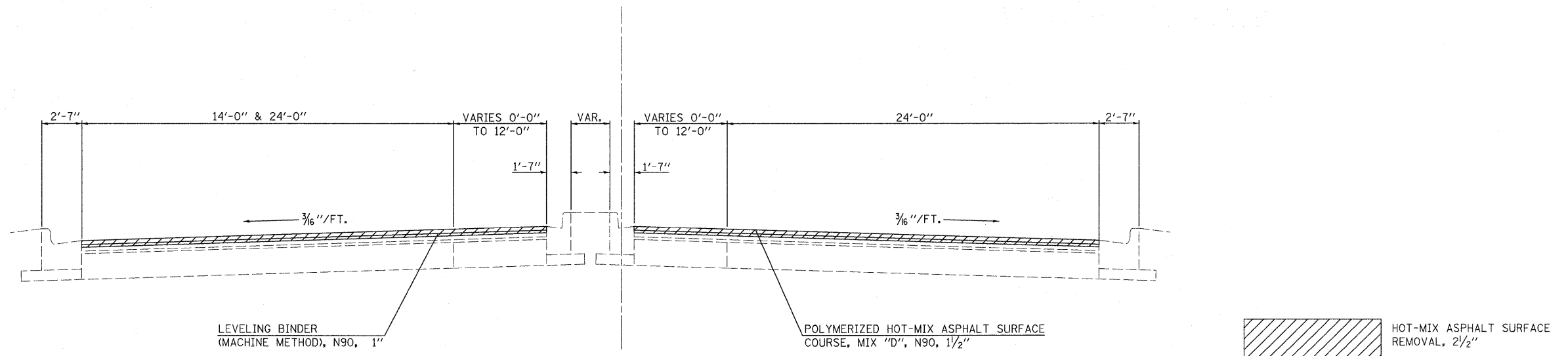


• (58-20)(48X-2)RS-1 & 128RS-3

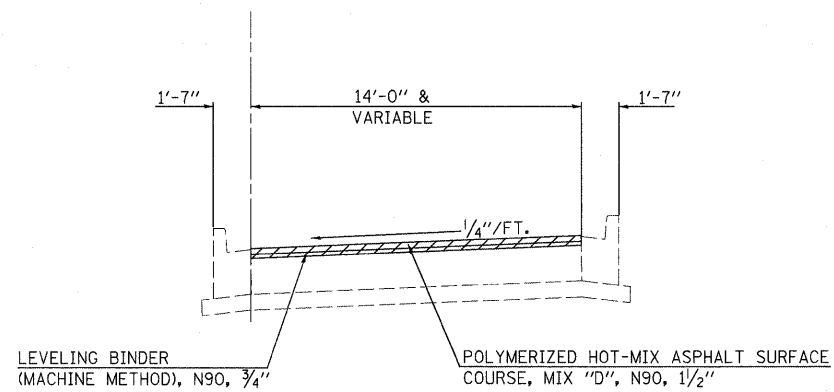
FILE NAME =	USER NAME = swartzrw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ci:\pw_work\pwsdot\swartzrw\d0146320\077405-sh-typical.dgn	PLOT SCALE = 20.0000' / IN.	DRAWN -	REVISED -				714		MACON	100	16
PLOT DATE = 1/19/2010	DATE -	CHECKED -	REVISED -		SCALE: SHEET NO. 6 OF 7 SHEETS STA. TO STA.		CONTRACT NO. 74405				
					ILLINOIS FED. AID PROJECT						

13 PROPOSED TYPICAL/IL 105

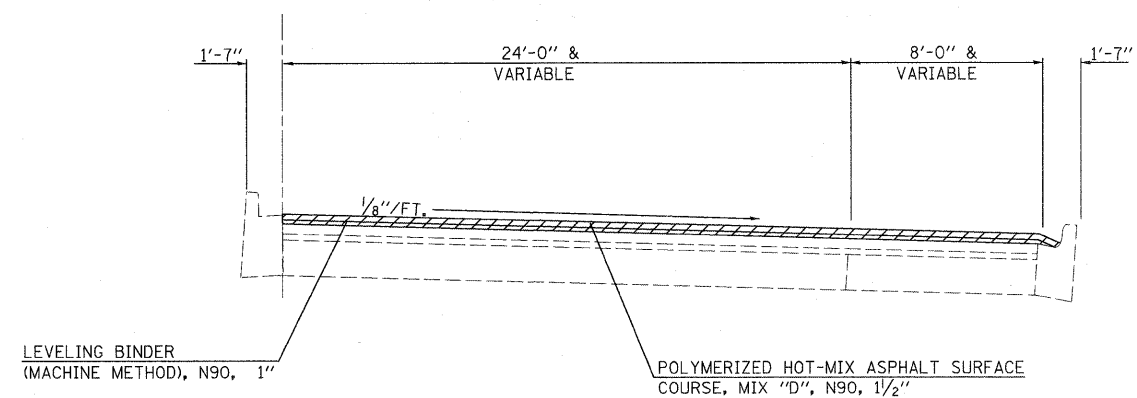
STA. 140+53.95 TO STA. 151+01.73



PROPOSED TYPICAL/RAMP "M"



PROPOSED TYPICAL/RAMP "N"



• (58-20)(48X-2)RS-1 & 128RS-3

FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pw_work\pwidot\swartzw\d0146320\0774	405-shr-typical.dgn	DRAWN -	REVISED -			714	•	MACON	100	17	
	PLOT SCALE = 20,0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 74405					
	PLOT DATE = 1/19/2010	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

PAVING SCHEDULE		LENGTH	PAVEMENT WIDTH	SHOULDER WIDTH	AREA	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	LEVELING BINDER (MACHINE METHOD), N90	TEMPORARY RAMP	AGGREGATE SHOULDERS, TYPE B	
STATION	TO STATION	FEET	FEET	FEET	SQ YD	GALLON	TON	TON	TON	SQ YD	TON	
IL 48												
784+04.00		784+19.00	15.0	24.7	15.1	41.2	6.6	0.1	5.6	2.3	43.0	3.4
784+19.00	TO	810+02.14	2583.1	26.0	6.0	7,462.4	913.4	0.0	771.5	417.9		572.0
810+02.14	TO	812+08.33	206.2	26.0	6.0	595.7	70.8	1.4	61.6	33.4		38.5
812+08.33	TO	813+28.00	119.7	26.0	6.0	345.7	39.3	0.8	35.7	19.4		16.0
813+28.00	TO	819+18.00	590.0	26.0	9.0	1,704.4	229.4	0.0	192.7	95.4	15.4	22.4
819+18.00	TO	824+70.00	552.0	26.0	6.0	1,594.7	196.3	3.9	164.9	89.3		125.7
824+70.00	TO	834+75.00	1005.0	26.0	9.0	2,933.3	390.8	7.8	328.3	162.6	20.0	38.1
834+75.00	TO	841+30.00	655.0	26.9	6.0	1,957.7	238.4	4.8	201.1	109.6	3.9	148.0
841+30.00	TO	841+42.71	12.7	28.3	6.0	40.0	4.4	0.1	4.1	2.2		0.5
841+42.71	TO	843+70.00	227.3	32.4	3.0	818.2	89.4	1.8	75.1	45.8	5.8	8.6
843+70.00	TO	846+51.90	281.9	36.0	3.0	1,127.6	122.2	2.4	102.6	63.1	5.8	10.7
846+51.90	TO	848+35.57	183.7	42.0	0.0	857.1	85.7	1.7	72.0	48.0		
848+35.57	TO	854+42.05	606.5	48.0	0.0	3,234.6	323.5	6.5	271.7	181.1	54.6	
854+42.05	TO	855+72.05	130.0	42.0	0.0	606.7	60.7	1.2	51.0	34.0	26.3	
855+72.05	TO	865+69.98	997.9	36.0	0.0	3,991.7	399.2	8.0	335.3	223.5	57.0	
865+69.98	TO	869+89.66	419.7	36.0	0.0	1,678.7	167.9	3.4	141.0	94.0	16.7	
869+89.66	TO	880+90.78	1101.1	36.0	0.0	4,404.5	440.4	8.8	370.0	246.7	146.6	
880+90.78	TO	881+59.50	68.7	36.0	0.0	274.9	27.5	0.5	23.1	15.4		
881+59.50	TO	885+00.00	340.5	52.3	0.0	1,978.7	197.9	4.0	166.2	110.8	9.6	
885+00.00	TO	888+32.78	332.8	58.6	0.0	2,166.8	216.7	4.3	182.0	121.3	16.4	
888+32.78	TO	889+21.97	89.2	42.3	0.0	419.2	41.9	0.8	35.2	23.5	7.1	
IL 105												
102+46.92	TO	104+26.15	179.2	*Variable	0.0	1,166.2	154.3	3.1	1166.2	777.5	19.7	
104+26.15	TO	105+81.15	155.0	66.0	0.0	1,136.7	113.7	2.3	95.5	63.7		
105+81.15	TO	115+64.21	983.1	60.0	0.0	6,553.7	655.4	13.1	550.5	367.0	50.8	
115+64.21	TO	116+96.80	132.6	Bridge	0.0	0.0	0.0	0.0	0.0	0.0		
116+96.80	TO	127+29.07	1032.3	60.0	0.0	6,881.8	688.2	13.8	578.1	385.4	38.5	
127+29.07	TO	131+03.00	373.9	*Variable	0.0	1,771.3	234.3	4.7	1771.3	1180.9	11.7	
131+03.00	TO	133+00.08	197.1	49.7	0.0	1,088.3	108.8	2.2	91.4	60.9		
133+00.08	TO	134+30.16	130.1	50.0	0.0	722.7	72.3	1.4	60.7	40.5		
134+30.16	TO	134+78.20	48.0	50.0	0.0	266.9	26.7	0.5	22.4	14.9		
134+78.20	TO	135+08.06	29.9	62.0	0.0	205.7	20.6	0.4	17.3	11.5		
135+08.06	TO	135+29.62	21.6	62.0	0.0	148.5	14.9	0.3	12.5	8.3		
135+29.62	TO	136+10.60	81.0	66.0	0.0	593.9	59.4	1.2	49.9	33.3		
136+10.60	TO	140+54.23	443.6	63.0	0.0	3,105.4	310.5	6.2	260.9	173.9		
140+54.23	TO	141+00.00	45.8	69.0	0.0	350.9	35.1	0.7	29.5	19.7		
141+00.00	TO	143+14.10	214.1	*Variable	0.0	983.6	130.1	2.6	983.6	655.7		
143+14.10	TO	144+55.27	141.2	62.0	0.0	972.5	97.3	1.9	81.7	54.5		
144+55.27	TO	145+93.98	138.7	51.5	0.0	793.7	79.4	1.6	66.7	44.4		
145+93.98	TO	146+30.26	36.3	51.5	0.0	207.6	20.8	0.4	17.4	11.6		
SHEET TOTALS			14,901			65,153	7,084	119	9,446	6,043	549	984

*AREA MEASURED IN MICROSTATION

PAVING SCHEDULE (Cont'd)		LENGTH	PAVEMENT WIDTH	SHOULDER WIDTH	AREA	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	LEVELING BINDER (MACHINE METHOD), N90	TEMPORARY RAMP	AGGREGATE SHOULDERS, TYPE B	
STATION	TO STATION	FEET	FEET	FEET	SQ YD	GALLON	TON	TON	TON	SQ YD	TON	
146+30.26 TO 146+75.86												
146+30.26	TO	146+75.86	45.6	*Variable	0.0	211.2	27.9	0.6	211.2	140.8		
146+75.86 TO 146+82.74												
146+75.86	TO	146+82.74	6.9	64.5	0.0	49.3	4.9	0.1	4.1	2.8		
146+82.74 TO 147+15.61												
146+82.74	TO	147+15.61	32.9	*Variable	0.0	130.5	17.3	0.3	130.5	87.0		
147+15.61 TO 149+13.01												
147+15.61	TO	149+13.01	197.4	*Variable	0.0	748.6	99.0	2.0	748.6	499.1		
149+13.01 TO 151+01.73												
149+13.01	TO	151+01.73	188.7	*Variable	0.0	939.8	124.3	2.5	939.8	626.5	66.7	
Ramp "M"												
637+12.40 TO 638+17.35												
637+12.40	TO	638+17.35	104.9	*Variable	0.0	121.6	16.1	0.3	121.6	81.1		
638+17.35 TO 646+10.75												
638+17.35	TO	646+10.75	793.4	14.4	0.0	1269.4	126.9	2.5	106.6	71.1		
646+10.75 TO 646+93.56												
646+10.75	TO	646+93.56	82.8	*Variable	0.0	106.5	14.1	0.3	106.5	71.0	9.4	
Ramp "N"												
639+51.44 TO 641+28.08												
639+51.44	TO	641+28.08	176.6	*Variable	0.0	259.0	34.3	0.7	259.0	172.6		
641+28.08 TO 642+91.08												
641+28.08	TO	642+91.08	163.0	20.8	0.0	376.5	37.7	0.8	31.6	21.1		
642+91.08 TO 645+93.85												
642+91.08	TO	645+93.85	302.8	*Variable	0.0	563.7	74.6	1.5	563.7	375.8	30.6	
Forest Crest Rd.												
20+19.14 TO 21+42.22												
20+19.14	TO	21+42.22	123.1	*Variable	Variable	643.6	64.4	1.3	54.1	36.0	13.3	5.0
Hulett Dr.												
30+15.01 TO 30+99.37												
30+15.01	TO	30+99.37	84.4	*Variable	Variable	426.8	42.7	0.9	35.9	23.9	13.3	4.0
Rock Dr.												
40+15.63 TO 41+03.88												
40+15.63	TO	41+03.88	88.3	*Variable	Variable	312.8	31.3	0.6	26.3	17.5	14.4	0.8
Granite Rd.												
50+18.00 TO 51+10.00												
50+18.00	TO	51+10.00	92.0	*Variable	0.0	304.1	30.4	0.6	25.5	17.0	13.3	
Rock Springs Rd. (West)												
58+85.69 TO 59+79.59												
58+85.69	TO	59+79.59	93.9	*Variable	0.0	693.8	69.4	1.4	38.9	38.9	26.5	
Rock Springs Rd. (East)												
60+43.85 TO 61+68.99												
60+43.85	TO	61+68.99	125.1	*Variable	0.0	968.3	96.8	1.9	81.3	54.2	17.2	
Taylor Rd.												
70+22.12 TO 71+15.78												
70+22.12	TO	71+15.78	93.7	*Variable	0.0	419.8	42.0	0.8	35.3	23.5	14.4	
Sesom Dr.												
80+18.00 TO 81+08.00												
80+18.00	TO	81+08.00	90.0	*Variable	0.0	296.1	29.6	0.6	24.9	16.6	13.3	
Fairview Ave. (North)												
88+24.20 TO 89+75.65												
88+24.20	TO	89+75.65	151.4	*Variable	0.0	803.5	80.3	1.6	67.5	45.0	24.2	
Fairview Ave. (South)												
90+24.89 TO 91+31.64												
90+24.89	TO	91+31.64	106.8	*Variable	0.0	514.8	51.5	1.0	43.2	28.8	22.6	
IMBODEN CT.												
0+32.54 TO 0+66.04												
0+32.54	TO	0+66.04	33.5	*Variable	0.0	219.4	21.9	0.4	18.4	12.3	15.1	
C.E. @ 135+75.84 LT.												
0+32.11 TO 0+43.62												
0+32.11	TO	0+43.62	11.5	*Variable	0.0	102.3	10.1	0.2	8.5	5.7	24.9	
MONROE ST.												
0+33.36 TO 0+63.38												
0+33.36	TO	0+63.38	30.0	*Variable	0.0	145.1	14.5	0.3	12.2	8.1	12.4	0.0
SHEET TOTALS			3,219			10,627	1,162	23	3,695	2,476	332	10
PROJECT TOTALS			18,120			75,780	8,246	142	13,141	8,520	881	994

*AREA MEASURED IN MICROSTATION

• (58-20)(48X-2)RS-1 & 128RS-3

FILE NAME =	USER NAME = smartzrw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				SCHEDULE OF QUANTITIES				F.A.P. RTE. 714	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\KPI\DOT\SMARTZRW\2146337\1074405-sht-sch.dgn		DRAWN -	REVISED -									714	*	MACON	100	18
PLOT SCALE = 50.0000' / IN.		CHECKED -	REVISED -									CONTRACT NO. 74405				
PLOT DATE = 1/19/2010		DATE -	REVISED -	SCALE: NA				SHEET NO. 1 OF 4 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT					

PAVEMENT MARKING SCHEDULE			LENGTH	SHORT-TERM PAVEMENT MARKING	TEMPORARY PAVEMENT MARKING-LETTERS AND SYMBOLS	TEMPORARY PAVEMENT MARKING-LINE 4"	TEMPORARY PAVEMENT MARKING-LINE 6"	TEMPORARY PAVEMENT MARKING-LINE 8"	TEMPORARY PAVEMENT MARKING-LINE 12"	TEMPORARY PAVEMENT MARKING-LINE 24"	WORK ZONE PAVEMENT MARKING REMOVAL	HERMOPLASTIC PAVEMENT MARKING-LETTERS AND SYMBOLS	HERMOPLASTIC PAVEMENT MARKING-LINE 4"	HERMOPLASTIC PAVEMENT MARKING-LINE 6"	HERMOPLASTIC PAVEMENT MARKING-LINE 8"	HERMOPLASTIC PAVEMENT MARKING-LINE 12"	HERMOPLASTIC PAVEMENT MARKING-LINE 24"	RAISED REFLECTIVE PAVEMENT MARKERS	PRISMATIC CURB REFLECTORS
STATION	TO	STATION	FOOT	FOOT	SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	EACH	EACH
IL 48																			
784+04.00	TO	813+28.00	2,924.0	10,526.4		6,264.4					2,670.3		6,264.4					37	
813+28.00	TO	819+18.00	590.0	2,265.6		1,327.5					567.8		1,327.5					7	
819+18.00	TO	824+70.00	552.0	1,987.2		1,242.0					523.9		1,242.0					7	
824+70.00	TO	834+75.00	1,005.0	3,859.2		2,261.3					967.2		2,261.3					13	
834+75.00	TO	836+50.00	175.0	630.0		393.8					166.1		393.8					2	
836+50.00	TO	841+00.00	450.0	4,320.0		1,462.5					726.8		1,462.5					6	
841+00.00	TO	841+83.00	83.0	298.8		20.8					23.5		20.8					1	
841+83.00	TO	847+58.50	575.5	8,250.6	46.8	2,310.1	119.9	144.1	24.0	1,526.0	46.8	2,310.1	119.9		144.1	24.0	36		
ROCK SPRINGS RD (WEST)						119.8	335.6	138.7	103.5	30.8	442.2		119.8	335.6	138.7	103.5	30.8		
ROCK SPRINGS RD (EAST)						140.4	287.4	177.8	149.8	29.9	488.9		140.4	287.4	177.8	149.8	29.9		
847+58.50	TO	848+80.40	121.9			121.6					60.8		121.6						
848+80.40	TO	851+44.00	263.6	4,502.8	109.2	467.1	473.1			36.0	823.2	109.2	467.1	473.1			36.0	26	
851+44.00	TO	880+87.00	2,943.0	5,327.6	436.8	7,357.5	299.3				3,332.2	436.8	7,357.5	299.3				155	
880+87.00	TO	881+16.82	29.8																
881+16.82	TO	885+77.60	460.8	6,763.7	140.4	1,397.1	781.5	213.6	50.6	1,686.5	140.4	1,397.1	781.5		213.6	50.6	35		
885+77.60	TO	886+08.90	31.3																
886+08.90	TO	888+49.00	240.1	3,585.5	78.0	323.7	254.0			36.4	584.7	78.0	323.7	254.0			36.4	16	
888+49.00	TO	889+21.97	73.0	87.6	31.2	182.4	83.5				138.6	31.2	182.4	83.5				4	
IL 105																			
102+51.09	TO	103+98.00	146.9	1,955.1	62.4	239.1	469.4	156.5	114.8	42.0	762.2	62.4	239.1	469.4	156.5	114.8	42.0	17	14.0
103+98.00	TO	127+07.00	2,309.0	19,701.6	312.0	5,772.5	1,205.3				3,930.2	312.0	5,772.5	1,205.3				175	
127+07.00	TO	135+31.00	824.0	6,537.6		1,448.6	612.8				1,151.6		1,448.6	612.8				27	55.0
135+31.00	TO	136+09.10	78.1	562.3	62.4		39.1				113.1	62.4		39.1				2	
136+09.10	TO	140+55.40	446.3	5,000.2	93.6	896.5	521.0				930.1	93.6	896.5	521.0				21	43.0
140+55.40	TO	143+11.40	256.0	1,843.2		494.7	128.0				331.0		494.7	128.0				6	18.0
143+11.40	TO	144+97.00	185.6	2,449.3	46.8	371.3	278.3				445.5	46.8	371.3	278.3				7	13.0
144+97.00	TO	146+31.40	134.4	1,122.8	31.2	269.3	226.0	96.4		10.7	335.7	31.2	269.3	226.0	96.4		10.7	6	11.0
146+31.40	TO	151+82.00	550.6	2,904.4		932.8	248.1	193.3	78.0	55.5	856.8		932.8	248.1	193.3	78.0	55.5	7	47.0
RAMP "M"																			
637+53.60	TO	646+93.50	939.9			939.9	63.7				344.8		939.9	63.7					
638+17.30	TO	646+93.50	876.2			876.2					291.8		876.2						
RAMP "N"																			
639+38.90	TO	645+88.70	649.8			649.8					216.4		649.8						
639+71.30	TO	645+45.70	574.4			574.4			24.0	239.3			574.4				24.0		
PROJECT TOTALS			18,489	94,482	1,451	38,735	6,548	763	804	340	24,677	1,451	38,735	6,548	763	804	340	612	201

• (58-20)(48X-2)RS-1 & 128RS-3

FILE NAME =	USER NAME = swartzrw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw\work\PIWIDOT\SWARTZRW\0146337\07	4405-sht-sch.dgn	DRAWN -	REVISED -					714	*	MACON	100	19
	PLOT SCALE = 50,0000' / IN.	CHECKED -	REVISED -		SCALE: NA			SHEET NO. 2 OF 4 SHEETS		STA.	TO STA.	CONTRACT NO. 74405
	PLOT DATE = 1/19/2010	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

REMOVAL SCHEDULE						REMOVAL SCHEDULE (Cont' d)							
			LENGTH	HOT MIX ASPHALT SURFACE REMOVAL, 2'-25"	HOT MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	PCC SURFACE REMOVAL - BUTT JOINT				LENGTH	HOT MIX ASPHALT SURFACE REMOVAL, 2'-25"	HOT MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	PCC SURFACE REMOVAL - BUTT JOINT
STATION	TO	STATION	FEET	SQ YD	SQ YD	SQ YD	STATION	TO	STATION	FEET	SQ YD	SQ YD	SQ YD
IL 48							143+14.10	TO	144+55.27	141.2	972.5		
784+04.00	TO	784+19.00	15.0	41.2	66.3		144+55.27	TO	145+93.98	138.7	793.7		
784+19.00	TO	810+02.14	2,583.1	7462.4			145+93.98	TO	146+30.26	36.3	207.6		
810+02.14	TO	812+08.33	206.2	595.7			146+30.26	TO	146+75.86	45.6	211.2		
812+08.33	TO	813+28.00	119.7	345.7			146+75.86	TO	146+82.74	6.9	49.3		
813+28.00	TO	819+18.00	590.0	1704.4			146+82.74	TO	147+15.61	32.9	130.5		
819+18.00	TO	824+70.00	552.0	1594.7			147+15.61	TO	149+13.01	197.4	748.6		
824+70.00	TO	834+75.00	1,005.0	2903.3			149+13.01	TO	151+01.73	188.7	939.8	174.3	
834+75.00	TO	841+30.00	655.0	1957.7			Ramp "M"						
841+30.00	TO	841+42.71	12.7	40.0			637+12.40	TO	638+17.35	104.9	121.6		
841+42.71	TO	843+70.00	227.3	818.2			638+17.35	TO	646+10.75	793.4	1269.4		
843+70.00	TO	846+51.90	281.9	1127.6			646+10.75	TO	646+93.56	82.8	106.5	27.9	
846+51.90	TO	848+35.57	183.7	857.1			Ramp "N"						
848+35.57	TO	854+42.05	606.5	3234.6			639+51.44	TO	641+28.08	176.6	259.0		
854+42.05	TO	855+72.05	130.0	606.7			641+28.08	TO	642+91.08	163.0	376.5		
855+72.05	TO	865+69.98	997.9	3991.7			642+91.08	TO	645+93.85	302.8	563.7	86.0	
865+69.98	TO	869+89.66	419.7	1678.7			Forest Crest Rd.						
869+89.66	TO	880+90.78	1,101.1	4404.5			20+19.14	TO	21+42.22	123.1	643.6	39.0	
880+90.78	TO	881+59.50	68.7	274.9			Hulett Dr.						
881+59.50	TO	885+00.00	340.5	1978.7			30+15.01	TO	30+99.37	84.4	426.8	40.9	
885+00.00	TO	888+32.78	332.8	2166.8			Rock Dr.						
888+32.78	TO	889+21.97	89.2	419.2	61.9		40+15.63	TO	41+03.88	88.3	312.8	43.3	
IL 105							Granite Rd.						
102+46.92	TO	104+26.15	179.2	1166.2			50+18.00	TO	51+10.00	92.0	304.1	40.0	
104+26.15	TO	105+81.15	155.0	1136.7			Rock Springs Rd. (West)						
105+81.15	TO	115+64.21	983.1	6553.7	100.0		58+85.69	TO	59+79.59	93.9	693.8	84.9	
115+64.21	TO	116+95.79	131.6				Rock Springs Rd. (East)						
116+95.79	TO	127+29.07	1,033.3	6888.5	100.0		60+43.85	TO	61+68.99	125.1	968.3	58.5	
127+29.07	TO	131+03.00	373.9	1771.3			Taylor Rd.						
131+03.00	TO	133+00.08	197.1	1088.3			70+22.12	TO	71+15.78	93.7	419.8	44.3	
133+00.08	TO	134+30.16	130.1	722.7			Sesom Dr.						
134+30.16	TO	134+78.20	48.0	266.9			80+18.00	TO	81+08.00	90.0	296.1	40.0	
134+78.20	TO	135+08.06	29.9	205.7			Fairview Ave. (North)						
135+08.06	TO	135+29.62	21.6	148.5			88+24.20	TO	89+75.65	151.4	803.5	43.3	
135+29.62	TO	136+10.60	81.0	593.9			Fairview Ave. (South)						
136+10.60	TO	140+54.23	443.6	3105.4			90+24.89	TO	91+31.64	106.8	514.8	43.3	
140+54.23	TO	141+00.00	45.8	350.9			IMBODEN CT.						
141+00.00	TO	143+14.10	214.1	983.6			0+32.53	TO	0+66.03	33.5		220.2	
SHEET TOTALS						14,585	63,186	328					
							C.E. @135+75.84						
							0+32.11	TO	0+43.62	11.5			102.3
							MONROE ST.						
							0+33.36	TO	0+63.38	30.0			145.1
							SHEET TOTALS						
										3,460	12,134	986	247
							PROJECT TOTALS						
										18,045	75,320	1,314	247

TEMPORARY CONCRETE BARRIER SCHEDULE				TEMPORARY CONCRETE BARRIER	RELOCATE TEMPORARY CONCRETE BARRIER
LOCATION				FOOT	FOOT
113+95.00	TO	116+95.00	RT. D. L.	300	
115+64.00	TO	118+64.00	LT. D. L.	300	
113+95.00	TO	116+95.00	RT. P. L.		300
115+64.00	TO	118+64.00	LT. P. L.		300
TOTALS				600.0	600.0

CURB REMOVAL AND REPLACEMENT SCHEDULE

			QUANTITY
LOCATION			(FOOT)
IL 105 (LT.)			
131+00.00	TO	135+31.00	B6.12 431.0
TOTAL =			431.00

CLASS D PATCHES, TYPE IV, 12" SCHEDULE

1506 SQ. YD

(58-20K48X-2)RS-1 & 128RS-3

TEMPORARY RAMP SCHEDULE

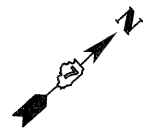
LOCATION		LENGTH FEET	WIDTH FEET	AREA SQ YD
IL 48				
784+04.00		9.0	43.0	43.0
813+39.00	RT.	2.0	25.0	5.6
817+22.00	RT.	2.0	23.0	5.1
819+03.00	RT.	2.0	21.0	4.7
825+18.00	RT.	2.0	18.0	4.0
827+82.00	RT.	2.0	18.0	4.0
829+32.50	RT.	2.0	18.0	4.0
831+32.00	RT.	2.0	18.0	4.0
834+16.00	RT.	2.0	18.0	4.0
838+70.00	RT.	2.0	17.5	3.9
843+41.00	RT.	2.0	26.0	5.8
843+92.00	RT.	2.0	26.0	5.8
850+45.00	RT.	2.0	44.0	9.8
851+85.00	LT.	2.0	43.0	9.6
852+15.00	RT.	2.0	32.0	7.1
853+43.00	RT.	2.0	43.0	9.6
853+43.00	LT.	2.0	51.5	11.4
854+32.00	RT.	2.0	32.0	7.1
854+93.00	RT.	2.0	32.0	7.1
855+32.00	LT.	2.0	43.0	9.6
855+52.00	RT.	2.0	43.0	9.6
855+95.00	RT.	2.0	24.0	5.3
856+06.00	LT.	2.0	43.0	9.6
857+13.00	LT.	2.0	21.0	4.7
857+17.00	RT.	2.0	24.0	5.3
859+76.00	LT.	2.0	50.0	11.1
861+97.00	LT.	2.0	32.0	7.1
862+67.00	RT.	2.0	22.0	4.9
863+05.00	LT.	2.0	20.0	4.4
863+66.00	LT.	2.0	20.5	4.6
866+02.00	LT.	2.0	32.0	7.1
867+07.00	LT.	2.0	43.0	9.6
869+98.00	LT.	2.0	43.0	9.6
870+80.00	LT.	2.0	46.5	10.3
871+85.00	LT.	2.0	39.0	8.7
872+47.00	RT.	2.0	39.0	8.7
873+25.00	RT.	2.0	50.0	11.1
876+00.00	RT.	2.0	61.0	13.6
877+30.00	LT.	2.0	50.0	11.1
877+46.00	RT.	2.0	45.0	10.0
878+35.00	RT.	2.0	55.0	12.2
878+50.00	LT.	2.0	50.0	11.1
879+43.00	LT.	2.0	50.0	11.1
879+60.00	RT.	2.0	81.0	18.0
880+25.00	LT.	2.0	50.0	11.1
883+80.20	LT.	2.0	43.0	9.6
886+12.85	LT.	2.0	74.0	16.4
889+10.10	RT.	2.0	32.0	7.1
IL 105				
104+12.00	RT.	2.0	88.5	19.7
106+14.00	LT.	2.0	49.5	11.0
109+36.50	RT.	2.0	88.0	19.6
110+35.00	LT.	2.0	35.5	7.9
			SUBTOTAL	486.0

TEMPORARY RAMP SCHEDULE (Cont'd)

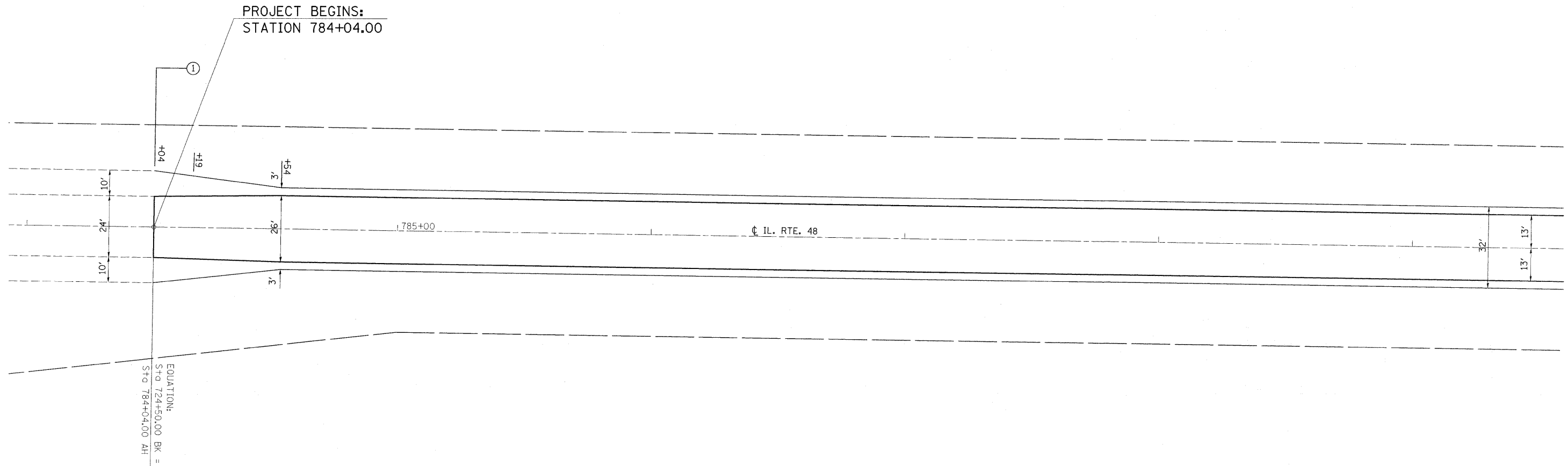
LOCATION		LENGTH FEET	WIDTH FEET	AREA SQ YD
111+42.00	LT.	2.0	35.5	7.9
115+14.00	LT.	2.0	20.0	4.4
117+81.00	LT.	2.0	36.0	8.0
119+11.00	LT.	2.0	36.0	8.0
119+89.00	LT.	2.0	36.0	8.0
124+90.00	LT.	2.0	33.0	7.3
126+58.00	LT.	2.0	32.5	7.2
127+64.00	RT.	2.0	52.5	11.7
151+01.73		5.0	120.0	66.7
FOREST CREST RD.				
21+42.22		5.0	24.0	13.3
HULETT DR.				
30+99.37		5.0	24.0	13.3
ROCK DR.				
40+03.88		5.0	26.0	14.4
GRANITE RD.				
51+10.00		5.0	24.0	13.3
ROCK SPRINGS RD.				
58+85.76		5.0	47.8	26.5
61+68.99		5.0	31.0	17.2
TAYLOR RD.				
71+15.78		5.0	26.0	14.4
SESOM DR.				
81+08.00		5.0	24.0	13.3
FAIRVIEW AVE.				
88+24.20		5.0	26.0	14.4
88+67.00		2.0	22.0	4.9
89+50.00		2.0	22.0	4.9
90+99.00		2.0	37.0	8.2
91+31.64		5.0	26.0	14.4
IMBODEN CT.				
0+66.04		4.0	34.0	15.1
C.E. @ 135+75.84 LT.				
0+43.78		4.0	56.0	24.9
MONROE ST.				
0+63.38		4.0	28.0	12.4
RAMP "M"				
646+93.56		5.0	17.0	9.4
RAMP "N"				
645+93.85		5.0	55.0	30.6
			SUBTOTAL =	395
			PROJECT TOTAL	881

• (58-20)(48X-2)RS-1 & 128RS-3

FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\PMIDOT\SWARTZRW\0146337\07	4485-sht-sch.dgn	DRAWN -	REVISED -					714	*	MACON	100	21
	PLOT SCALE = 50.0000' / IN.	CHECKED -	REVISED -		SCALE: NA			SHEET NO. 4 OF 4 SHEETS			STA.	TO STA.
	PLOT DATE = 1/19/2018	DATE -	REVISED -					ILLINOIS FED. AID PROJECT			CONTRACT NO. 74405	

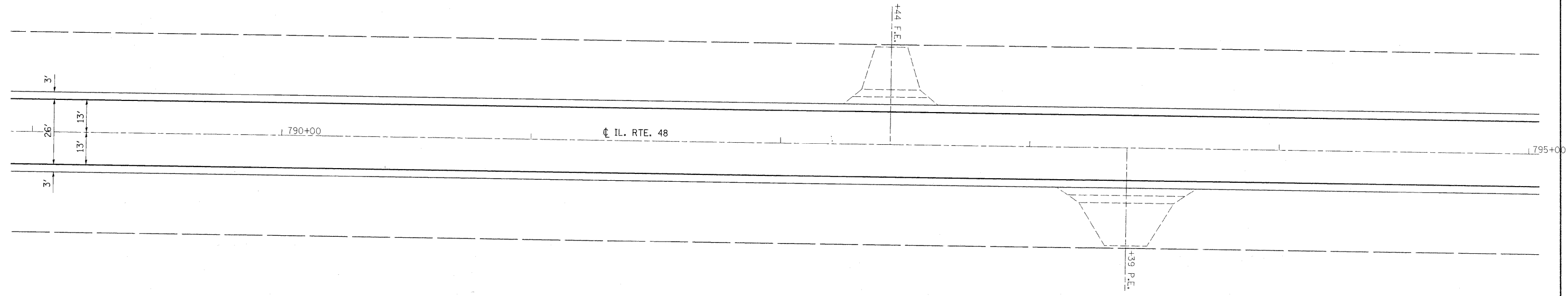
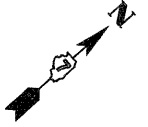


PROJECT BEGINS:
STATION 784+04.00



• (58-20)(48X-2)RS-1 & 128RS-3

FILE NAME = c:\pw_work\NPWIDOT\SWARTZRW\0146320\07	USER NAME = swartzrw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEETS IL. ROUTE 48		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	4405-sh1-plan48.dgn	DRAWN -	REVISED -				714	.	MACON	100	22
PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -	CONTRACT NO. 74405								
PLOT DATE = 1/19/2010	DATE -	REVISED -	SCALE: 20		SHEET NO. 1 OF 19 SHEETS	STA. 724+00 TO STA. 789+00	ILLINOIS FED. AID PROJECT				



• (58-20)(48X-2)RS-1 & 128RS-3

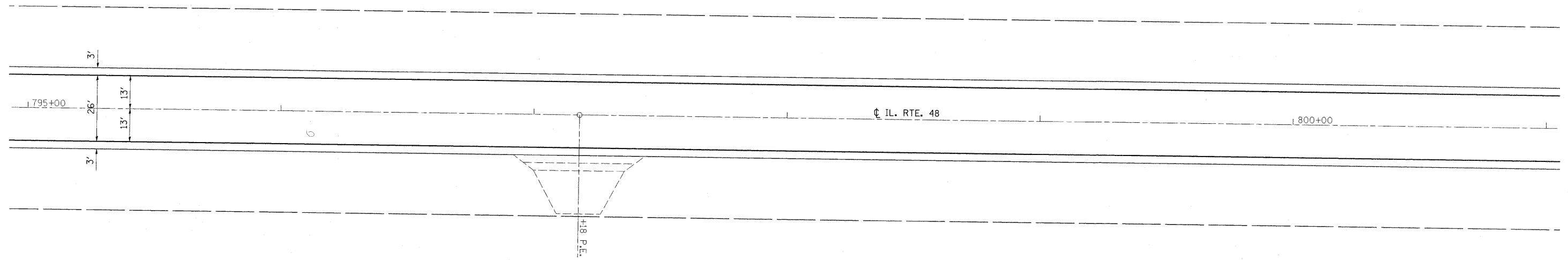
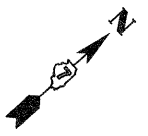
FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -
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	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/19/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS
IL. ROUTE 48**

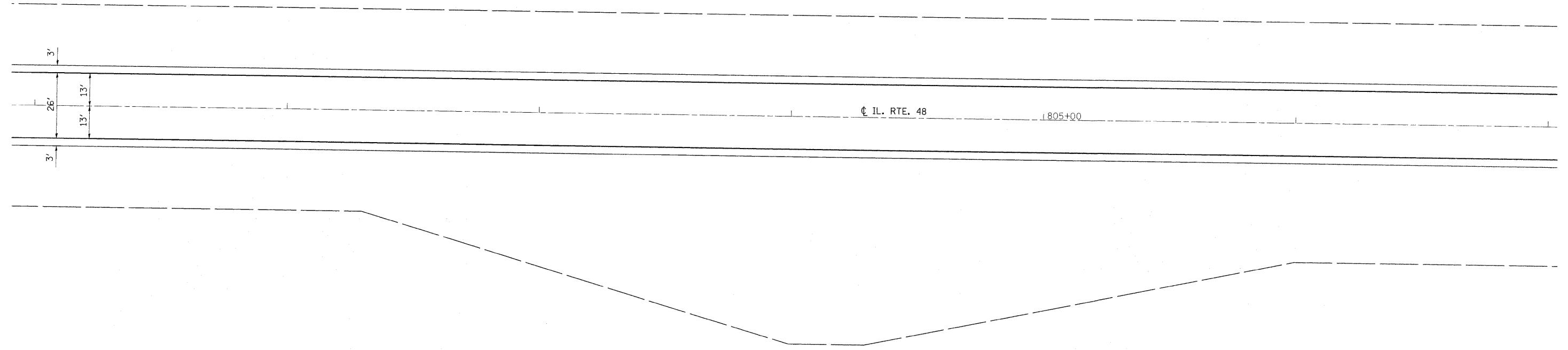
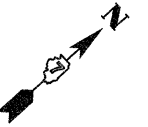
SCALE: 20 SHEET NO. 2 OF 19 SHEETS STA. 789+00 TO STA. 795+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	*	MACON	100	23
CONTRACT NO. 74405				
ILLINOIS FED. AID PROJECT				



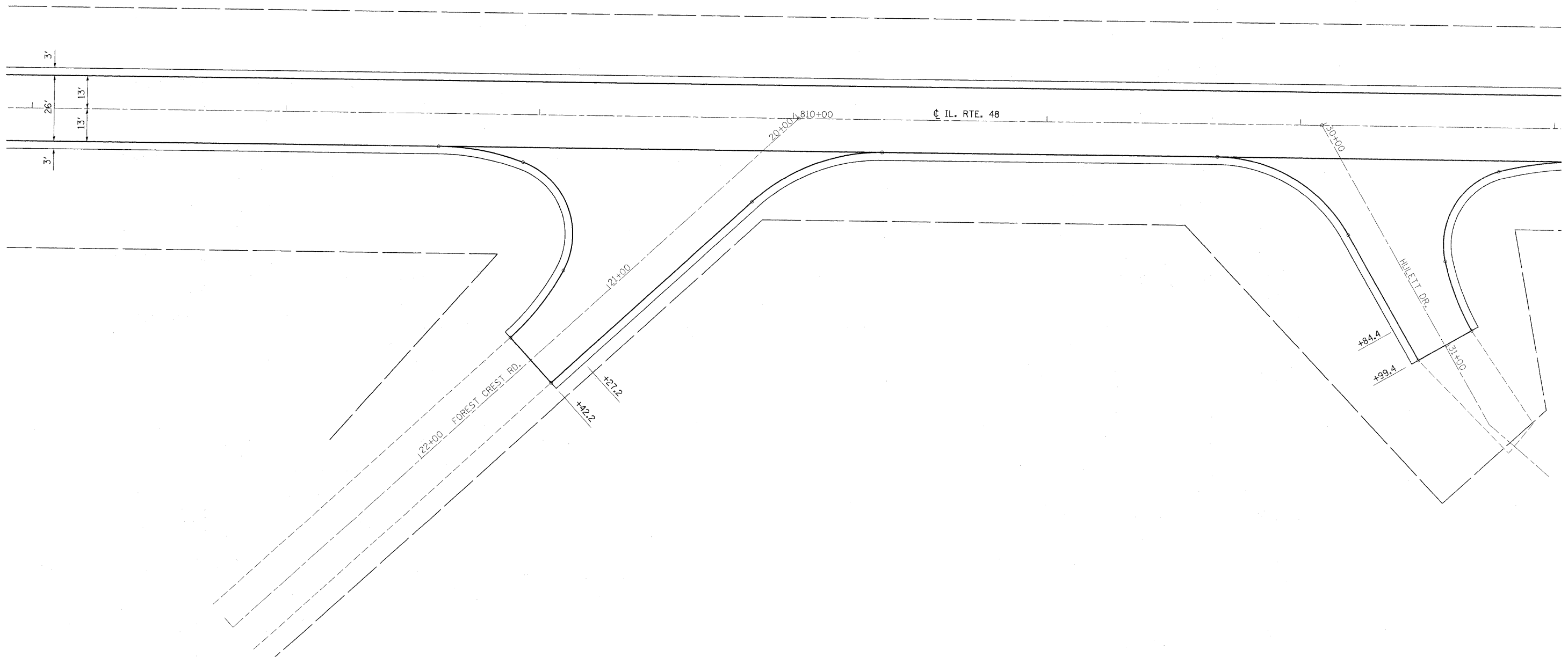
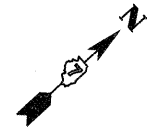
• (58-20)(48X-2)RS-1 & 128RS-3

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	PLOT SCALE = 20,0000 ' / IN.	CHECKED -	REVISED -		SCALE: 20	SHEET NO. 3 OF 19 SHEETS	STA. 795+00 TO STA. 801+00	ILLINOIS FED. AID PROJECT				
PLOT DATE = 1/19/2010	DATE -	REVISED -	REVISED -									



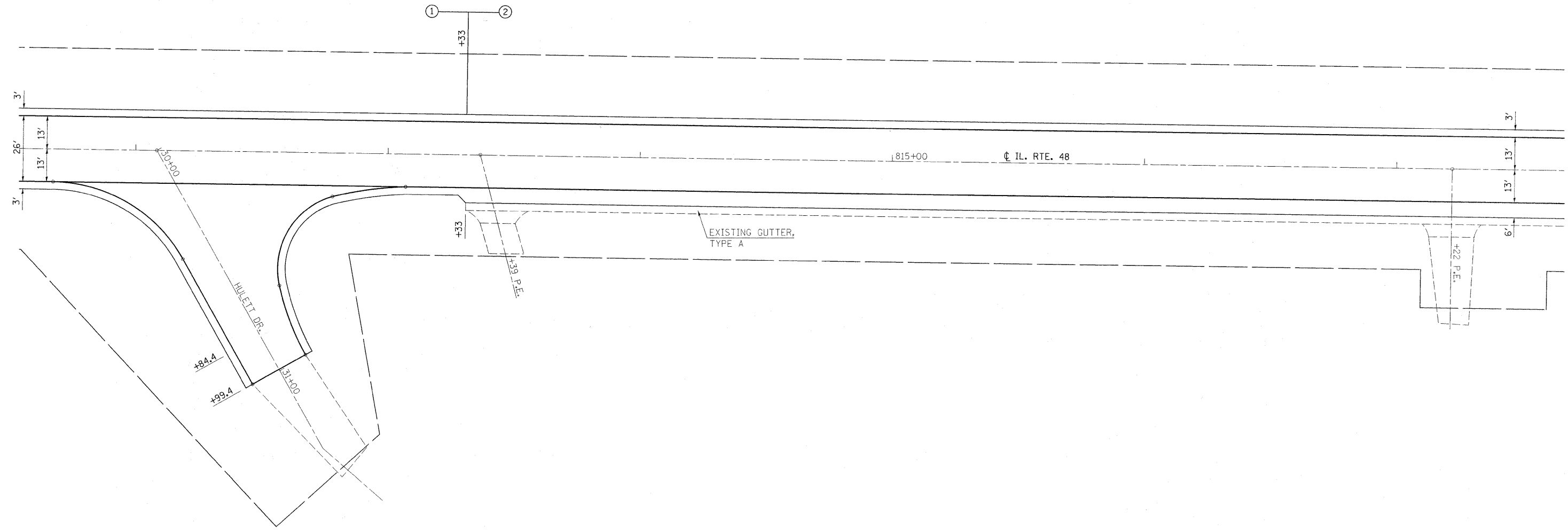
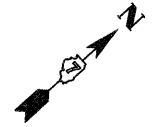
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c:\pw\work\pwidot\SWARTZRW\0146320\07		4405-eh-plan48.dgn	DRAWN -	REVISED -		SCALE: 20	SHEET NO. 4 OF 19 SHEETS	STA. 801+00	TO STA. 807+00	714	MACON	100	25
		PLOT SCALE = 20.0000 / IN.	CHECKED -	REVISED -							CONTRACT NO. 74405		
		PLOT DATE = 1/19/2010	DATE -	REVISED -							ILLINOIS FED. AID PROJECT		

• (58-20)(48X-2)RS-1 & 128RS-3



* (58-20)(48X-2)RS-1 & 128RS-3

FILE NAME = c:\pw\work\VPWIDOT\SWARTZR\0146320\07	USER NAME = swartzw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEETS IL. ROUTE 48		F.A.P. RTE. 714	SECTION .	COUNTY MACON	TOTAL SHEETS 100	SHEET NO. 26
	4405-sht-plan48.dgn	DRAWN -	REVISED -				CONTRACT NO. 74405				
	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -				ILLINOIS FED. AID PROJECT				
	PLOT DATE = 1/19/2010	DATE -	REVISED -				SCALE: 20	SHEET NO. 5 OF 19 SHEETS	STA. 807+00 TO STA. 813+00		



• (58-20)(48X-2)RS-1 & 128RS-3

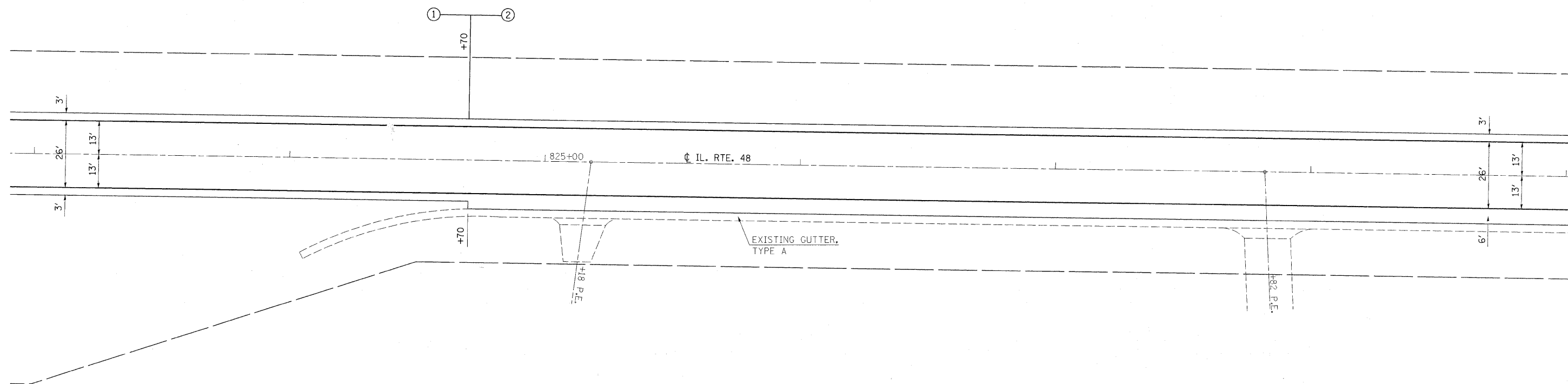
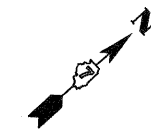
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PLOT SCALE = 20.0000' / IN.		CHECKED -	REVISED -
PLOT DATE = 1/19/2010		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS
IL. ROUTE 48**

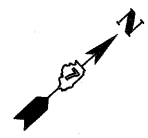
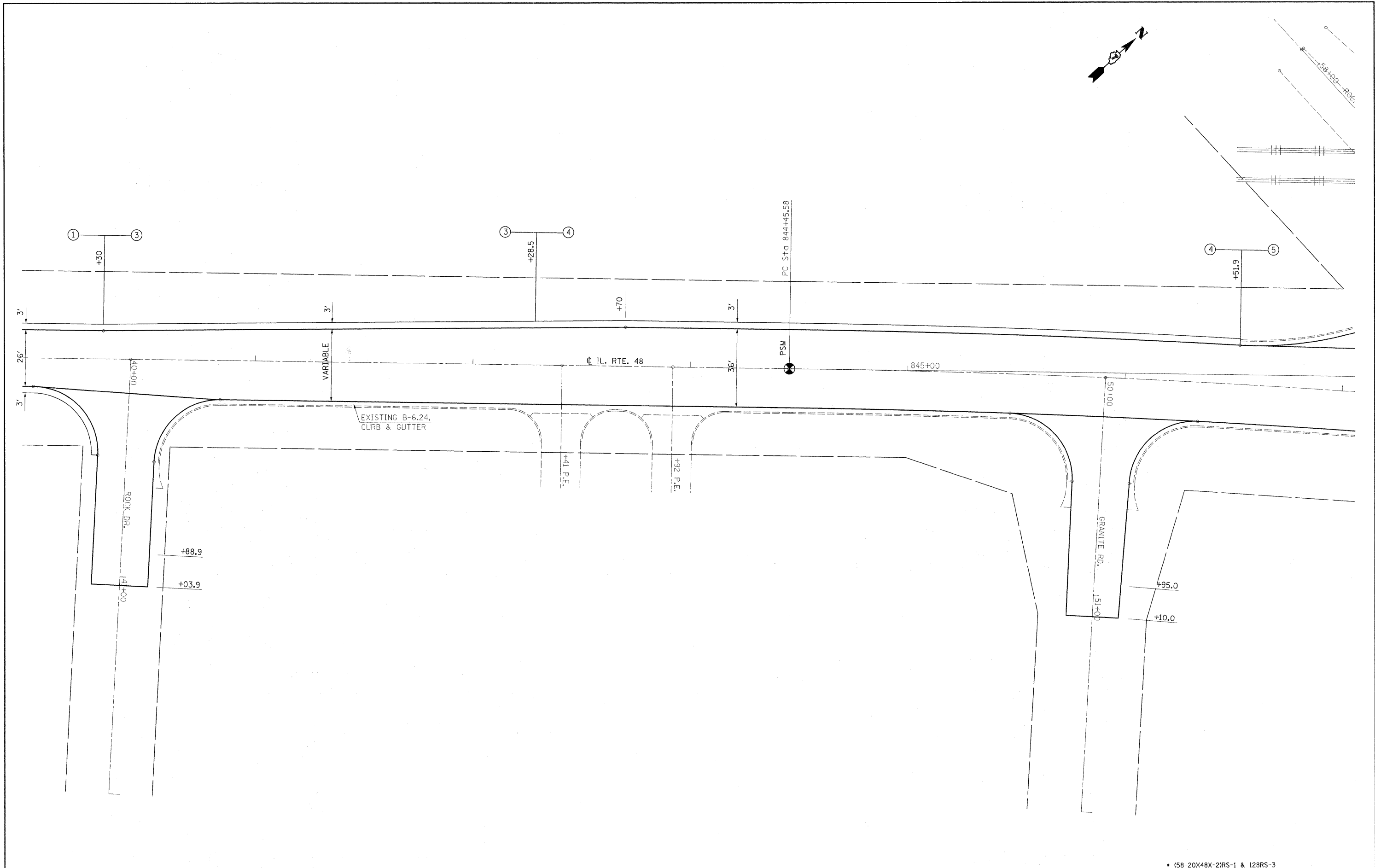
SCALE: 20 SHEET NO. 6 OF 19 SHEETS STA. 812+00 TO STA. 817+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	*	MACON	100	27
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74405	



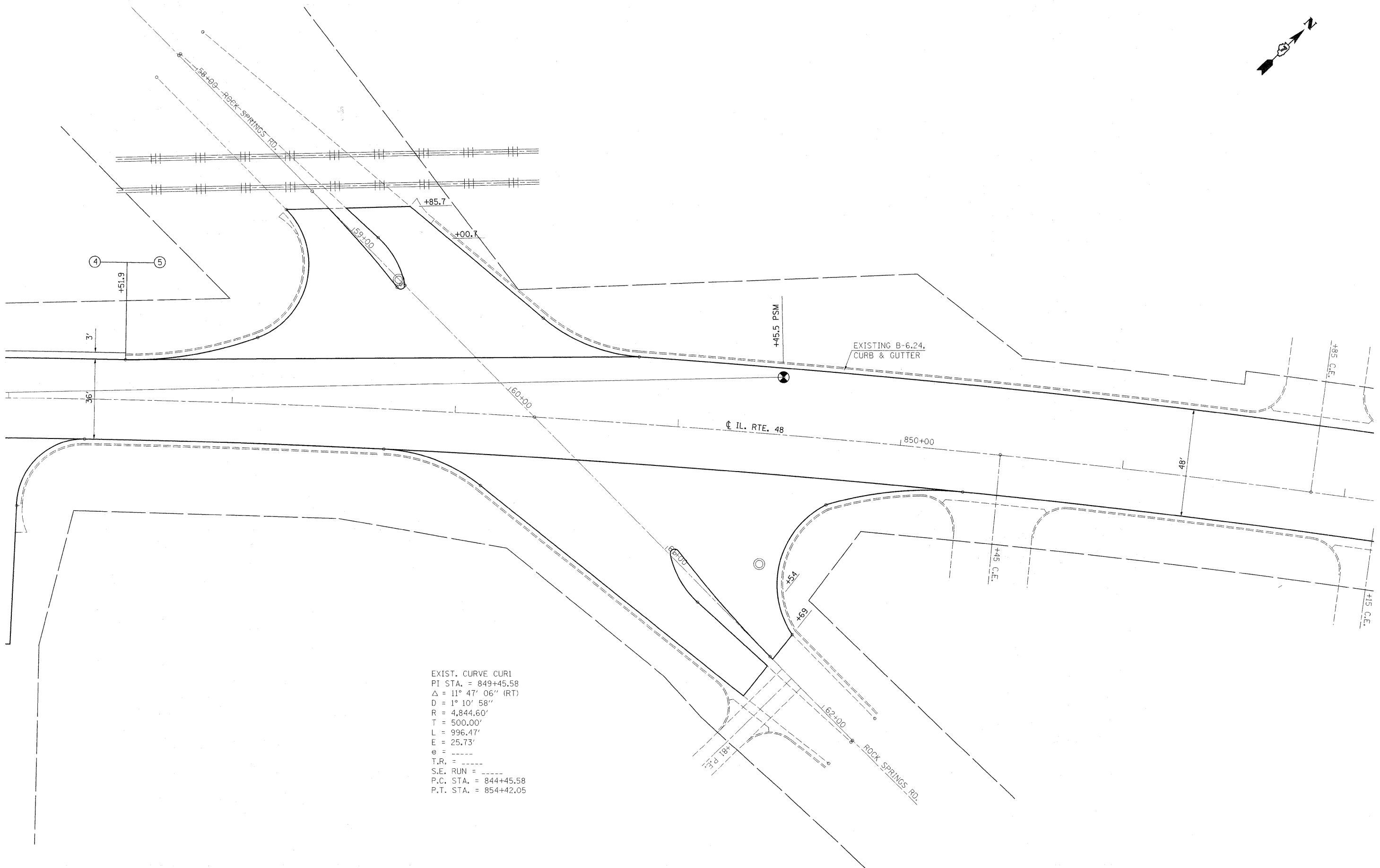
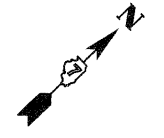
• (58-20)(48X-2)RS-1 & 128RS-3

FILE NAME =	USER NAME = swartzrw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEETS IL. ROUTE 48			F.A.P. RTE. 714	SECTION *	COUNTY MACON	TOTAL SHEETS 100	SHEET NO. 29
ci:\pwork\pwidot\SWARTZRW\d8146320\07	4405-sht-plan48.dgn	DRAWN -	REVISED -		SCALE: 20	SHEET NO. 8	OF 19 SHEETS	STA. 823+00	TO STA. 829+00	CONTRACT NO. 74405		
	PLOT SCALE = 20,0000 "/ IN.	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
	PLOT DATE = 1/19/2010	DATE -	REVISED -									



• (58-20)(48X-2)RS-1 & 128RS-3

FILE NAME = c:\pw\work\PIWIDOT\SWARTZRW\0146320\07	USER NAME = swartzrw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEETS IL. ROUTE 48		F.A.P. RTE. 714	SECTION •	COUNTY MACON	TOTAL SHEETS 100	SHEET NO. 32	
	PLOT SCALE = 20,0000' / IN.	CHECKED -	REVISED -				CONTRACT NO. 74405					
PLOT DATE = 1/19/2010	DATE -	REVISED -	REVISED -		SCALE: 20	SHEET NO. 11 OF 19 SHEETS	STA. 841+00 TO STA. 847+00	ILLINOIS FED. AID PROJECT				



EXIST. CURVE CUR1
 PI STA. = 849+45.58
 Δ = 11° 47' 06" (RT)
 D = 1° 10' 58"
 R = 4,844.60'
 T = 500.00'
 L = 996.47'
 E = 25.73'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 844+45.58
 P.T. STA. = 854+42.05

• (58-20)(48X-2)RS-1 & 128RS-3

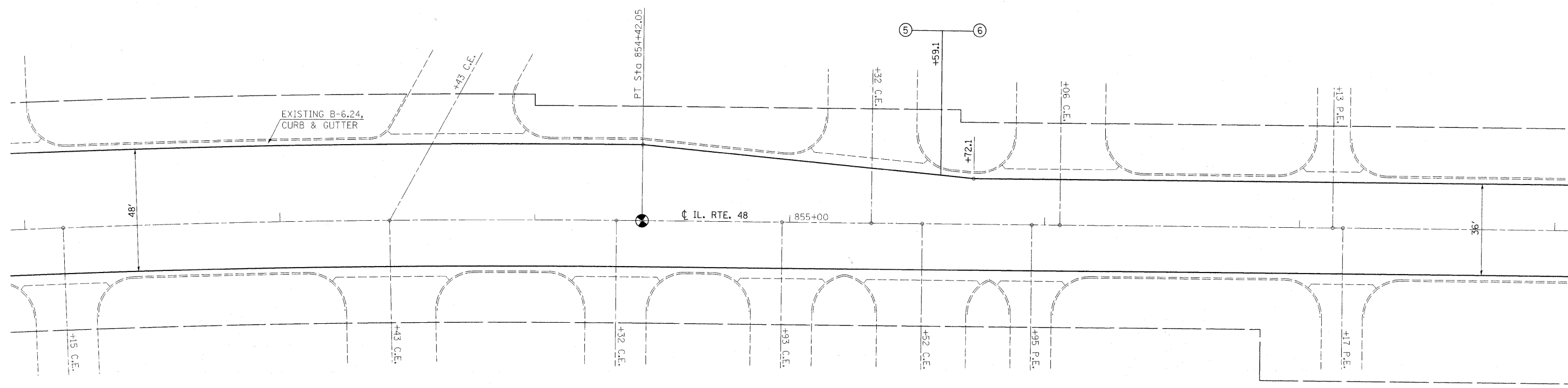
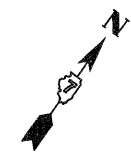
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	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/19/2010	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS
 IL. ROUTE 48**

SCALE: 20 SHEET NO. 12 OF 19 SHEETS STA. 846+00 TO STA. 852+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	•	MACON	100	33
CONTRACT NO. 74405				
[ILLINOIS] FED. AID PROJECT				



• (58-20)(48X-2)RS-1 & 128RS-3

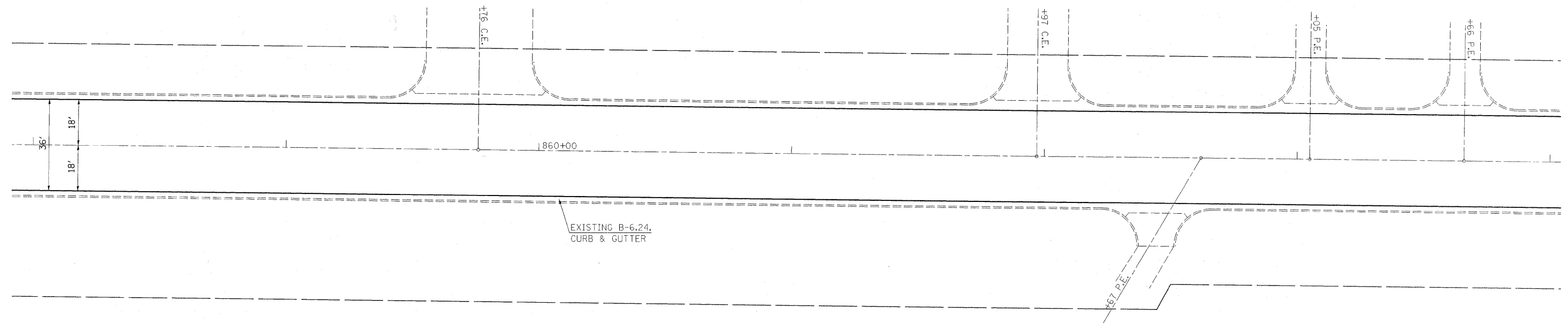
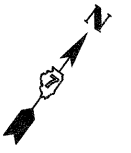
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	PLOT DATE = 1/19/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS
IL. ROUTE 48**

SCALE: 20 SHEET NO. 13 OF 19 SHEETS STA. 852+00 TO STA. 858+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	*	MACON	100	34
			CONTRACT NO. 74405	
ILLINOIS FED. AID PROJECT				



• (58-20)(48X-2)RS-1 & 128RS-3

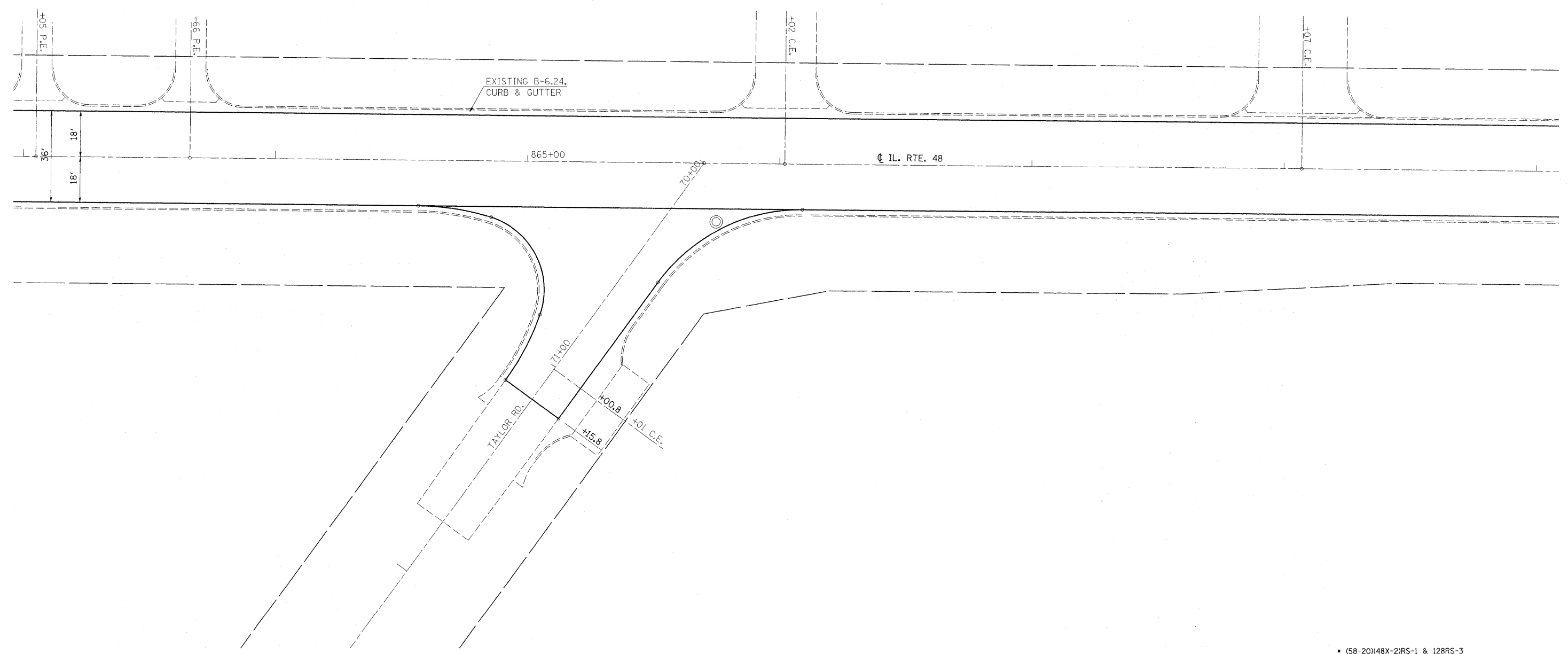
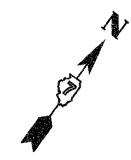
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	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/19/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS
IL. ROUTE 48**

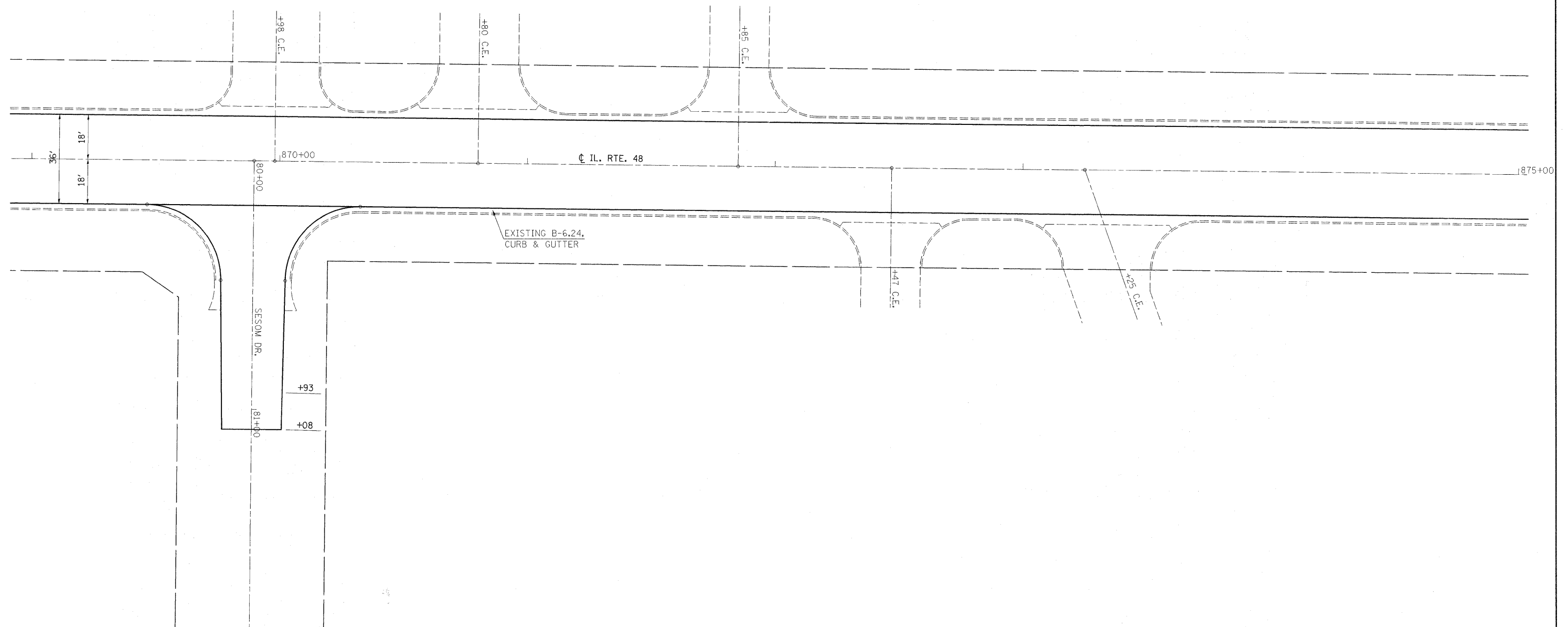
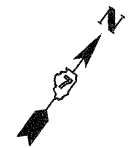
SCALE: 20 SHEET NO. 14 OF 19 SHEETS STA. 858+00 TO STA. 864+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	*	MACON	100	35
				CONTRACT NO. 74405
ILLINOIS FED. AID PROJECT				



FILE NAME = c:\pwork\pwork\SWARTZRW\d0146328\107	USER NAME = swartzrw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEETS IL. ROUTE 48		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 20,0000' / IN.	CHECKED -	REVISED -				714	.	MACON	100	36	
PLOT DATE = 1/19/2010	DATE -	REVISED -	REVISED -		SCALE: 20	SHEET NO. 15 OF 19 SHEETS	STA. 863+00 TO STA. 869+00	CONTRACT NO. 74405				
							ILLINOIS FED. AID PROJECT					

• (58-20)(48X-2)RS-1 & 128RS-3



* (58-20)(48X-2)RS-1 & 128RS-3

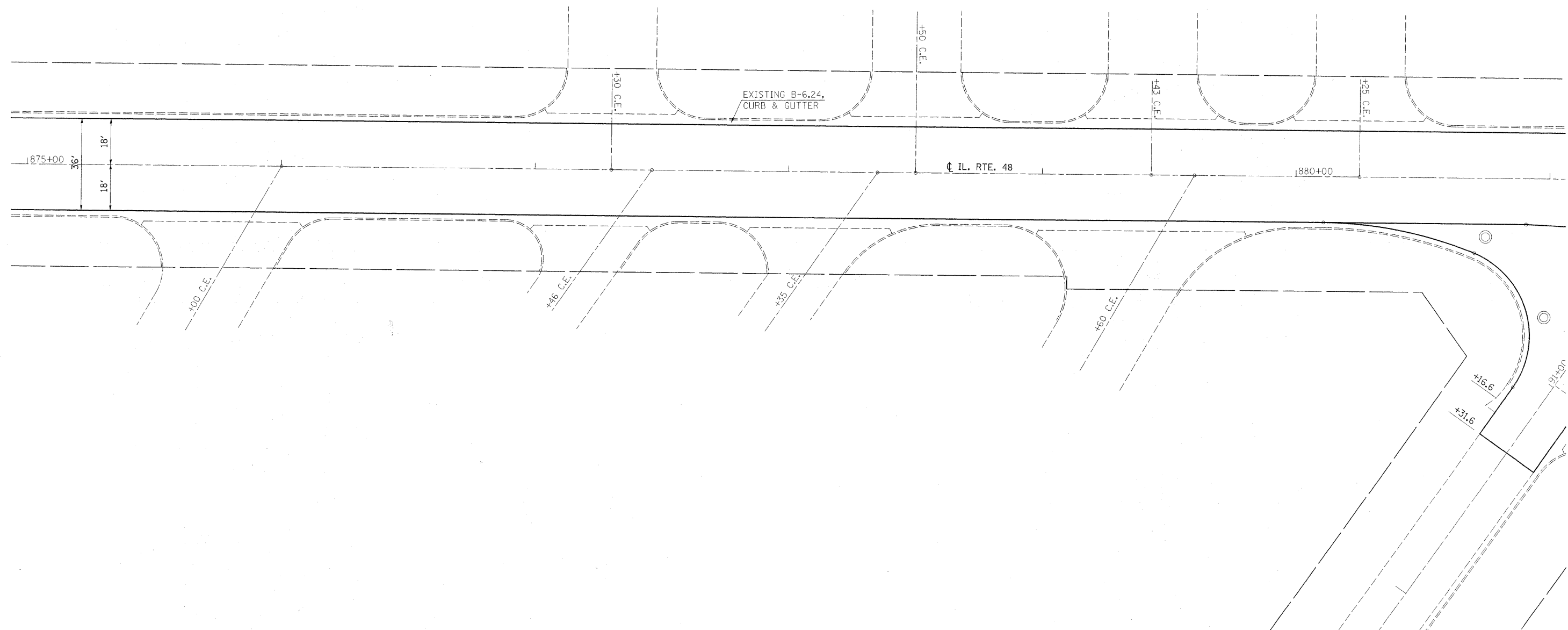
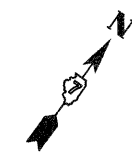
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	PLOT DATE = 1/19/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS
IL. ROUTE 48**

SCALE: 20 SHEET NO. 16 OF 19 SHEETS STA. 869+00 TO STA. 875+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	*	MACON	100	37
			CONTRACT NO. 74405	
ILLINOIS FED. AID PROJECT				



• (58-20)(48X-2)RS-1 & 128RS-3

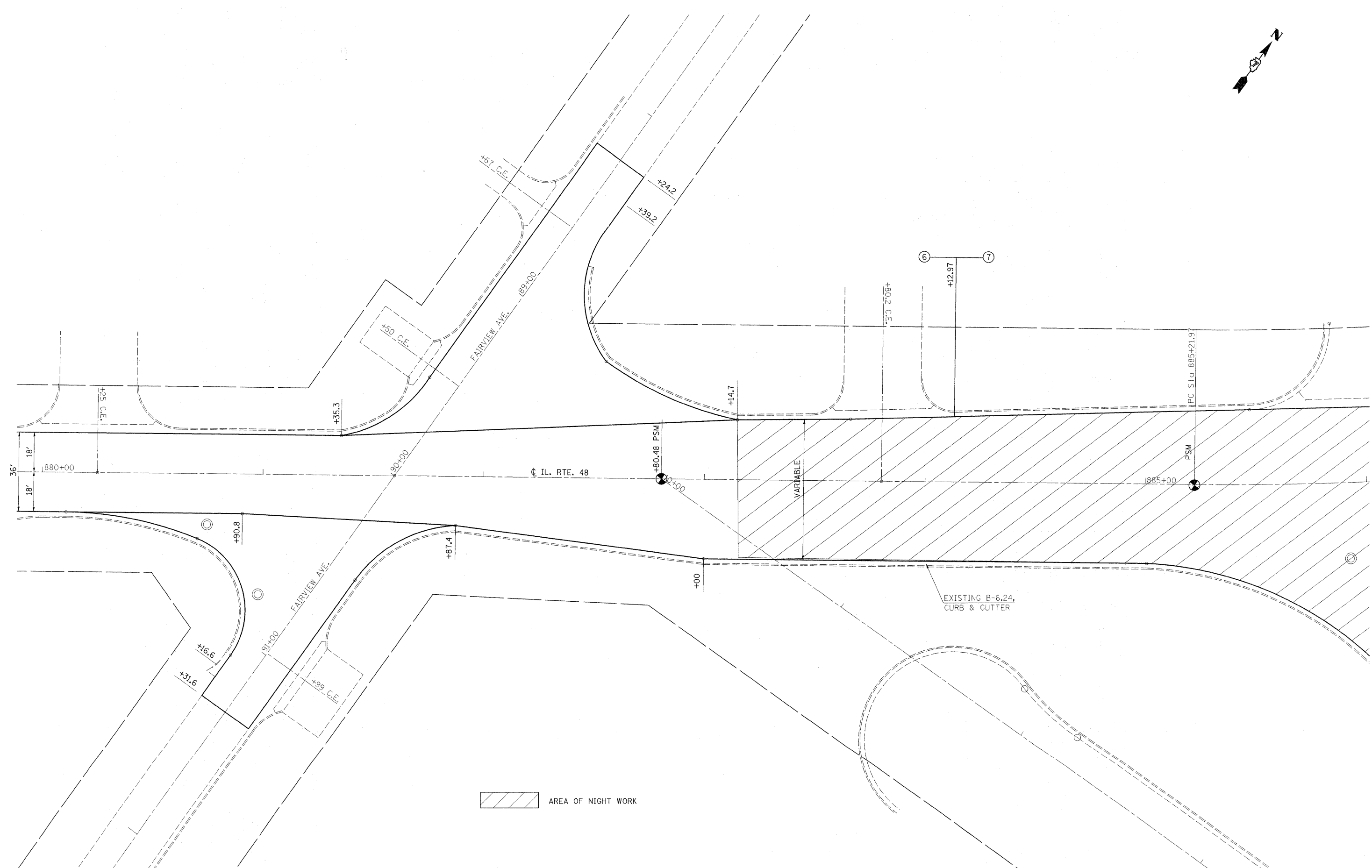
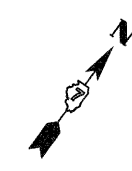
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	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/19/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS
IL. ROUTE 48**

SCALE: 20 SHEET NO. 17 OF 19 SHEETS STA. 875+00 TO STA. 881+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	•	MACON	100	38
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74405	



AREA OF NIGHT WORK

• (58-20)(48X-2)RS-1 & 128RS-3

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	PLOT DATE = 1/19/2010	DATE -	REVISED -

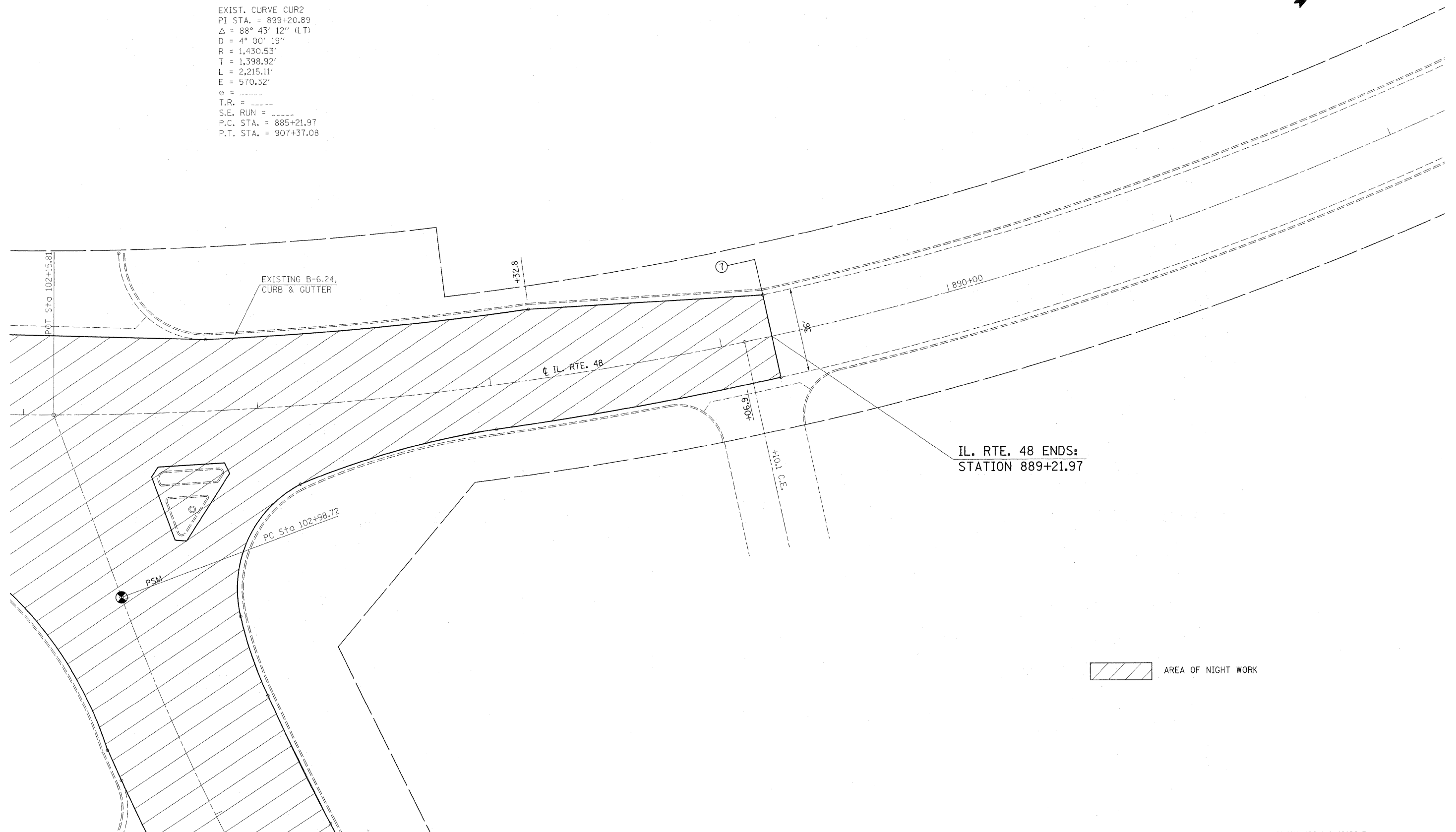
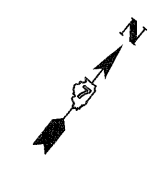
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS
IL. ROUTE 48**

SCALE: 20 SHEET NO. 18 OF 19 SHEETS STA. 880+00 TO STA. 886+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	*	MACON	100	39
CONTRACT NO. 74405			ILLINOIS FED. AID PROJECT	

EXIST. CURVE CUR2
 PI STA. = 899+20.89
 $\Delta = 88^\circ 43' 12''$ (LT)
 D = 4° 00' 19"
 R = 1,430.53'
 T = 1,398.92'
 L = 2,215.11'
 E = 570.32'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 885+21.97
 P.T. STA. = 907+37.08



AREA OF NIGHT WORK

• (58-20)(48X-2)RS-1 & 128RS-3

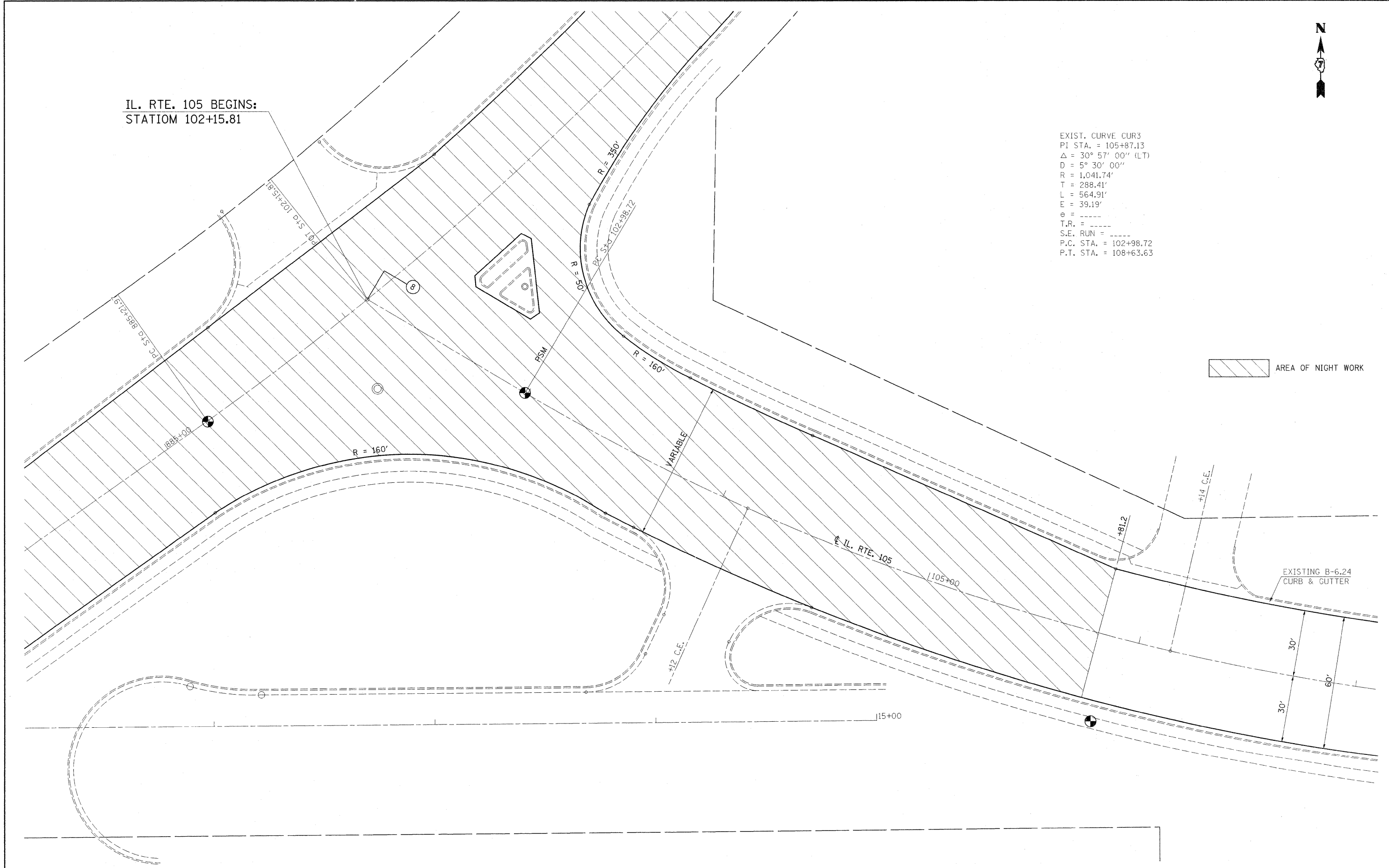
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PLOT SCALE = 20,000' / IN.		CHECKED -	REVISED -												
PLOT DATE = 1/19/2010		DATE -	REVISED -												



IL. RTE. 105 BEGINS:
STATION 102+15.81

EXIST. CURVE CUR3
 PI STA. = 105+87.13
 $\Delta = 30^\circ 57' 00''$ (LT)
 $D = 5^\circ 30' 00''$
 $R = 1,041.74'$
 $T = 288.41'$
 $L = 564.91'$
 $E = 39.19'$
 $e = \text{-----}$
 $T.R. = \text{-----}$
 $S.E. \text{ RUN} = \text{-----}$
 $P.C. \text{ STA.} = 102+98.72$
 $P.T. \text{ STA.} = 108+63.63$

AREA OF NIGHT WORK



• (58-20X48X-2)RS-1 & 128RS-3

FILE NAME =
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USER NAME = swartzrw
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 PLOT DATE = 1/19/2010

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

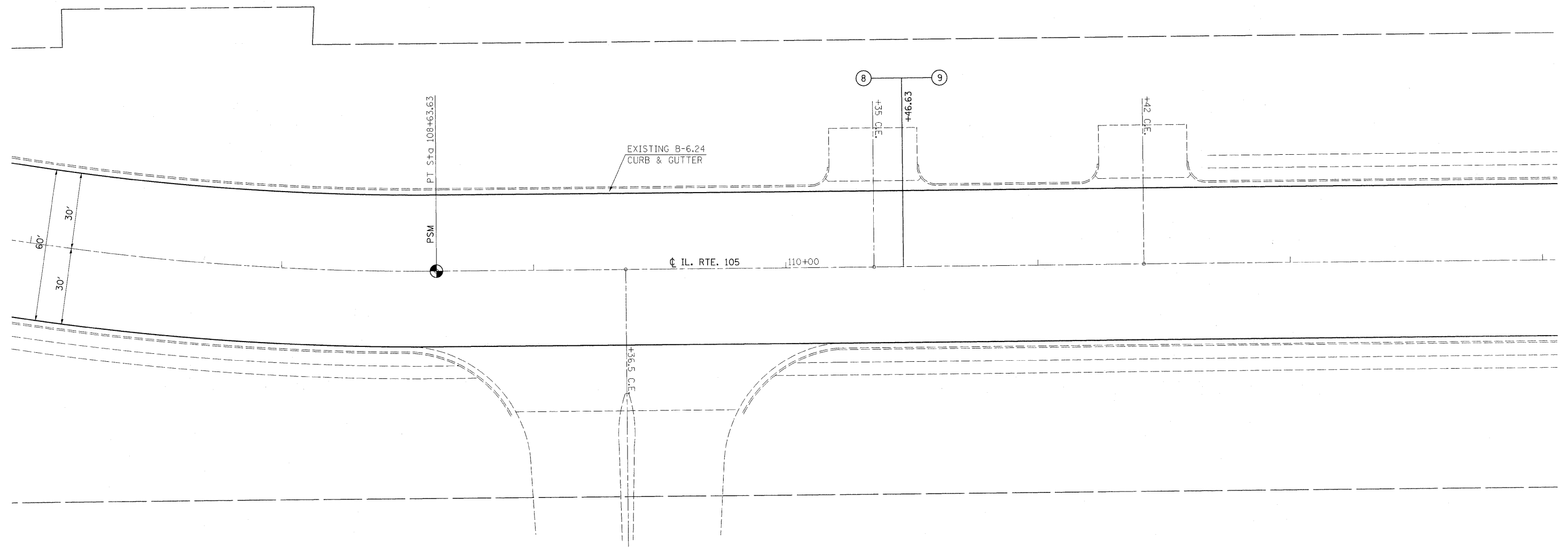
REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS
 IL. ROUTE 105**

SCALE: 20 SHEET NO. 1 OF 10 SHEETS STA. 102+15.81 TO STA. 107+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	*	MACON	100	41
CONTRACT NO. 74405				
ILLINOIS FED. AID PROJECT				



• (58-20)(48X-2)RS-1 & 128RS-3

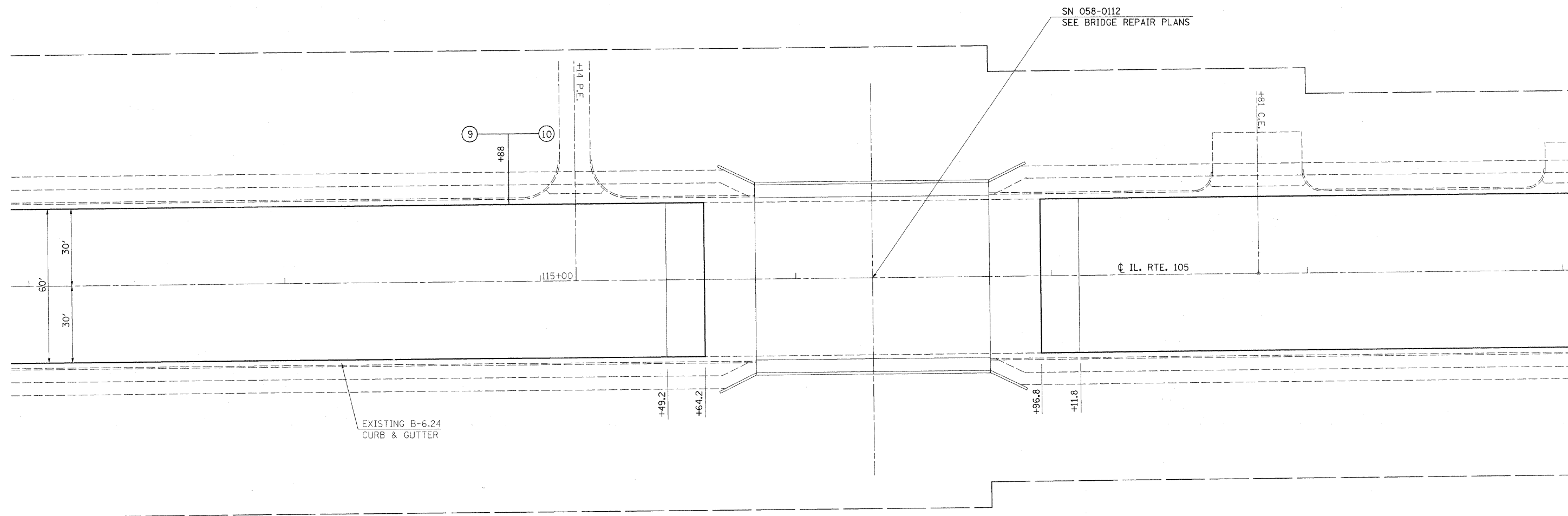
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	PLOT DATE = 1/19/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS
IL. ROUTE 105**

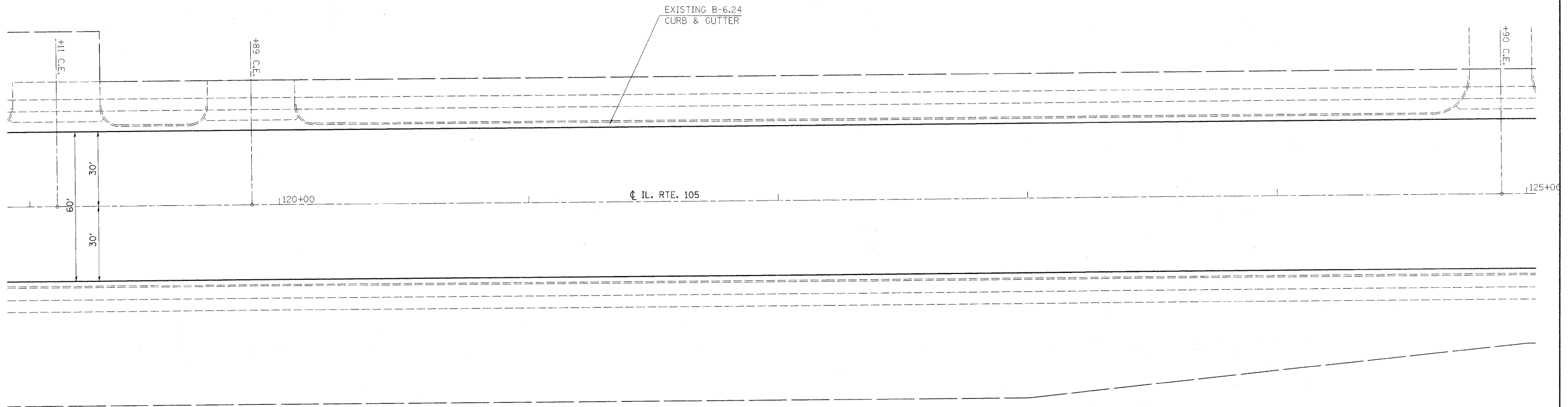
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	*	MACON	100	42
			CONTRACT NO. 74405	
ILLINOIS FED. AID PROJECT				

SCALE: 20 SHEET NO. 2 OF 10 SHEETS STA. 107+00 TO STA. 113+00



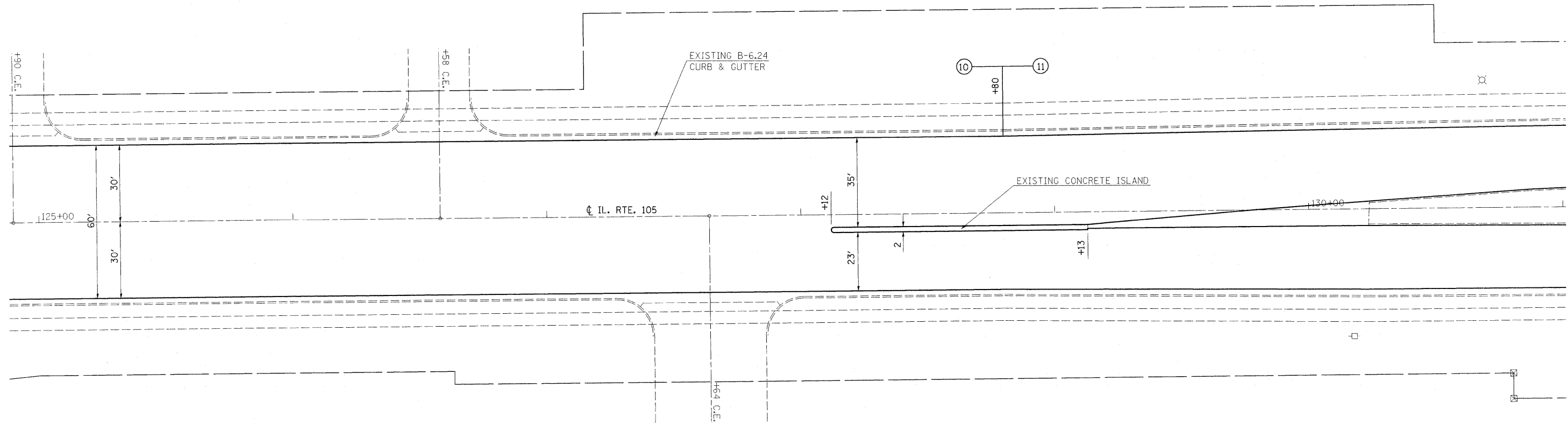
• (58-20)(48X-2)RS-1 & 128RS-3

FILE NAME =	USER NAME = swartzrw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEETS IL. ROUTE 105			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw_work\PWIDOT\SWARTZRW\10146320\107	4405-sht-plan105.dgn	DRAWN -	REVISED -		SCALE: 20	SHEET NO. 3 OF 10 SHEETS	STA. 113+00 TO STA. 119+00	714	*	MACON	100	43
	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -					CONTRACT NO. 74405			ILLINOIS FED. AID PROJECT	
	PLOT DATE = 1/19/2010	DATE -	REVISED -									



FILE NAME =		USER NAME = swartzw		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEETS IL. ROUTE 105		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw\work\NPWIDOT\SWARTZRW\0146320\07		4405-sht-plan105.dgn		DRAWN -	REVISED -		714	.	MACON	100	44		
PLOT SCALE = 20.0000' / IN.		CHECKED -		REVISED -	REVISED -		CONTRACT NO. 74405		ILLINOIS FED. AID PROJECT				
PLOT DATE = 1/19/2010		DATE -		REVISED -	REVISED -		SCALE: 20	SHEET NO. 4 OF 10 SHEETS	STA. 119+00	TO STA. 125+00			

• (58-20X48X-2)RS-1 & 128RS-3



FILE NAME =
 c:\pwork\pwork\SWARTZR\0146320\07

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 PLOT SCALE = 20.0000' / IN.
 PLOT DATE = 1/19/2010

DESIGNED -
 DRAWN -
 CHECKED -
 DATE -

REVISED -
 REVISED -
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 REVISED -

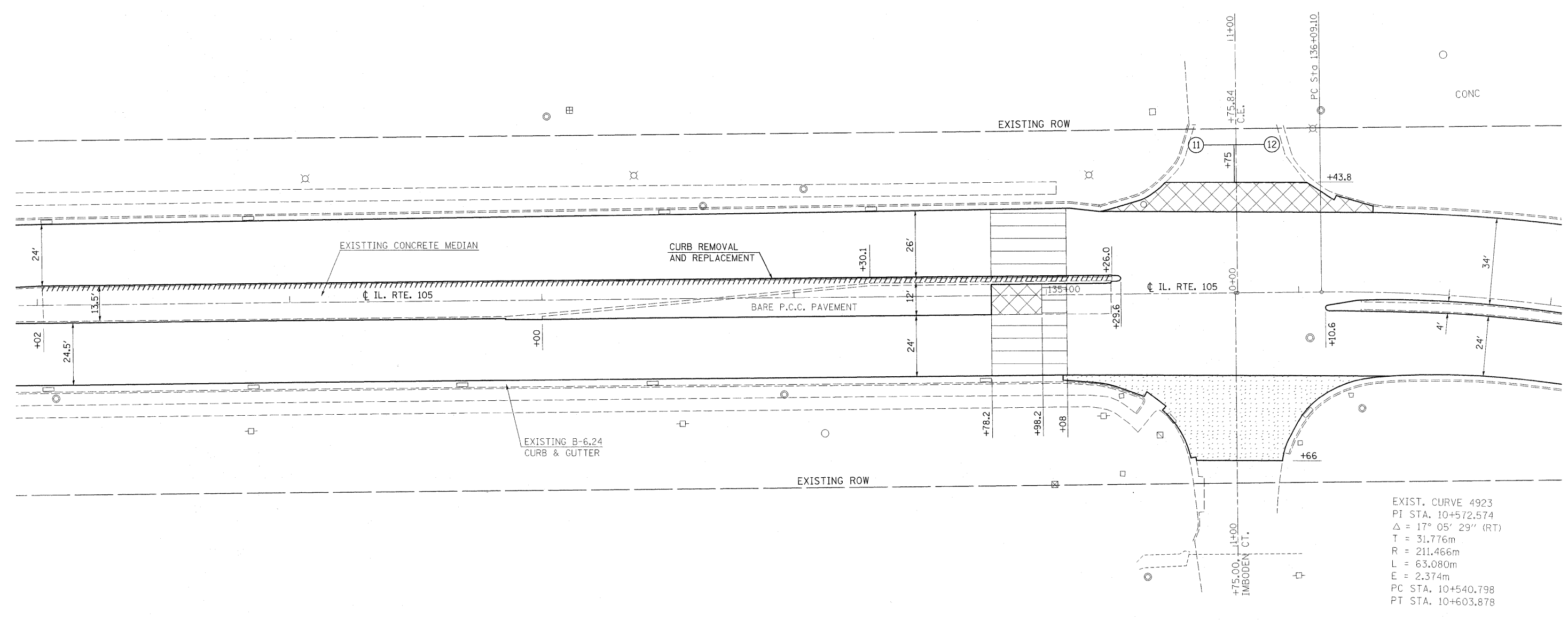
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**




**PLAN SHEETS
 IL. ROUTE 105**

SCALE: 20 SHEET NO. 5 OF 10 SHEETS STA. 125+00 TO STA. 131+00

• (58-20)(48X-2)RS-1 & 128RS-3

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	*	MACON	100	45
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74405	



-  HMA SURF REM. (BUTT JOINT)
-  PCC SURF. REM. (BUTT JOINT)
-  PAVEMENT TRANSITION

FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -
ct:\pw_work\NPWIDOT\SWARTZRW\08146320\07	4405-sht-plan105.dgn	DRAWN -	REVISED -
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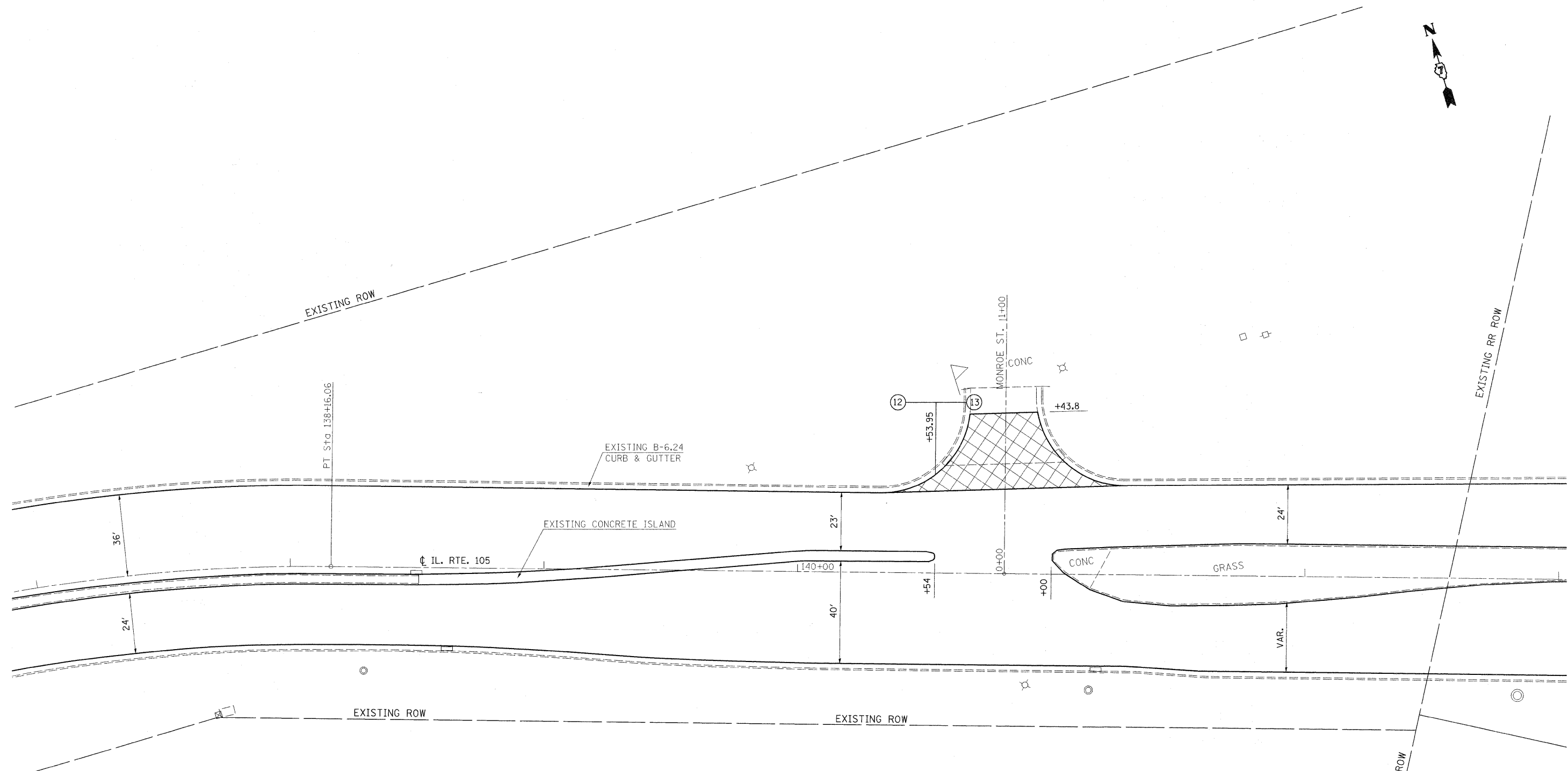
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS
IL. ROUTE 105**


SCALE: 20 SHEET NO. 6 OF 10 SHEETS STA. 131+00 TO STA. 137+00

• (58-20)(48X-2)RS-1 & 128RS-3

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	*	MACON	100	46
CONTRACT NO. 74405				
ILLINOIS FED. AID PROJECT				



EXIST. CURVE 4923
 PI STA. 10+572.574
 $\Delta = 17^\circ 05' 29''$ (RT)
 T = 31.776m
 R = 211.466m
 L = 63.080m
 E = 2.374m
 PC STA. 10+540.798
 PT STA. 10+603.878

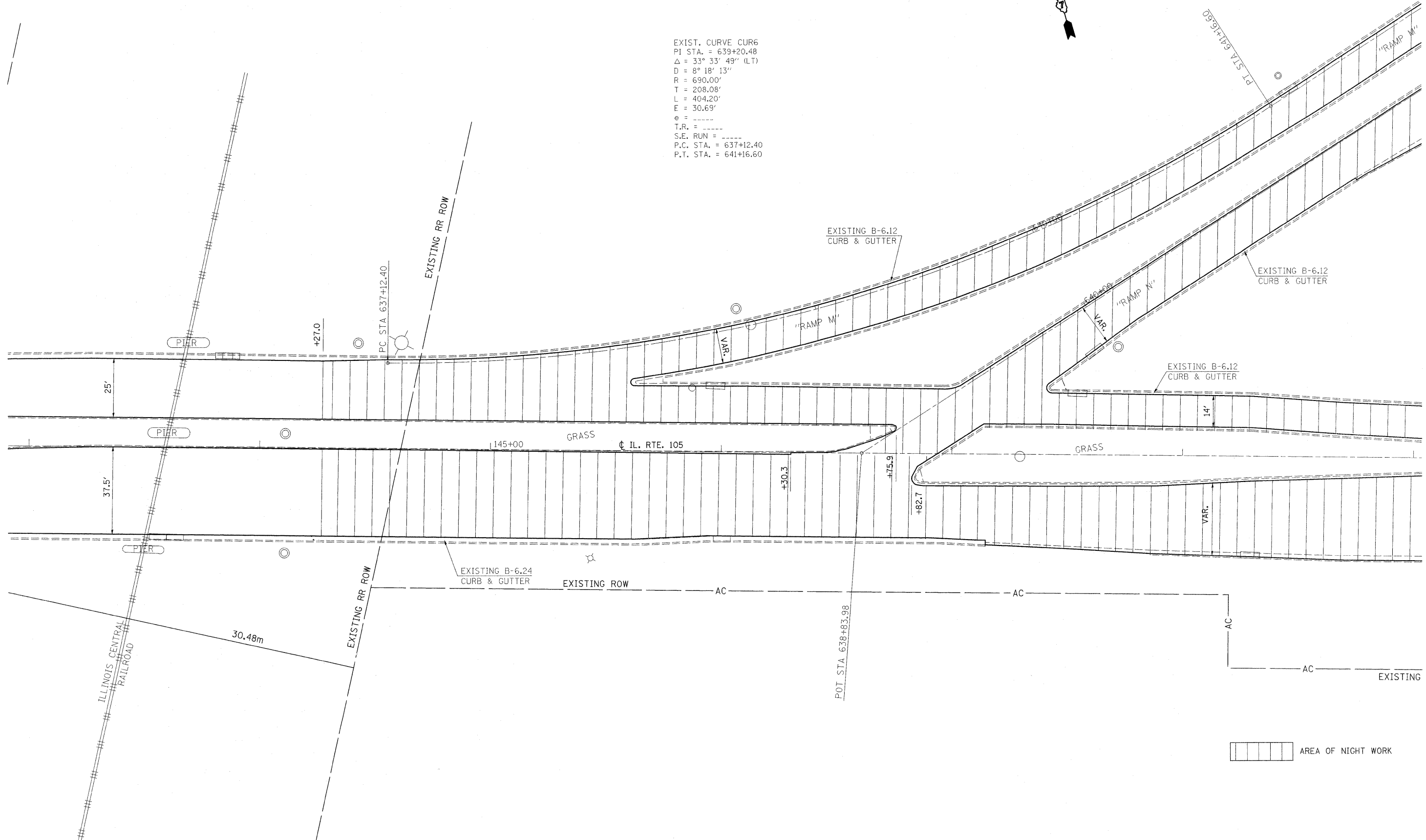
 PCC SURF. REM.
 (BUTT JOINT)

• (58-20)48X-2)RS-1 & 128RS-3

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	4485-sht-plan105.dgn	DRAWN -	REVISED -		714	*	MACON	100	47			
PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -	REVISED -		SCALE: 20			SHEET NO. 7 OF 10 SHEETS		STA. 137+00 TO STA. 143+00		CONTRACT NO. 74405
PLOT DATE = 1/19/2010	DATE -	REVISED -	REVISED -		ILLINOIS FED. AID PROJECT							



EXIST. CURVE CUR6
 PI STA. = 639+20.48
 $\Delta = 33^\circ 33' 49''$ (LT)
 $D = 8^\circ 18' 13''$
 $R = 690.00'$
 $T = 208.08'$
 $L = 404.20'$
 $E = 30.69'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 637+12.40$
 $P.T. STA. = 641+16.60$



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	PLOT SCALE = 20.0000' / IN.
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DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

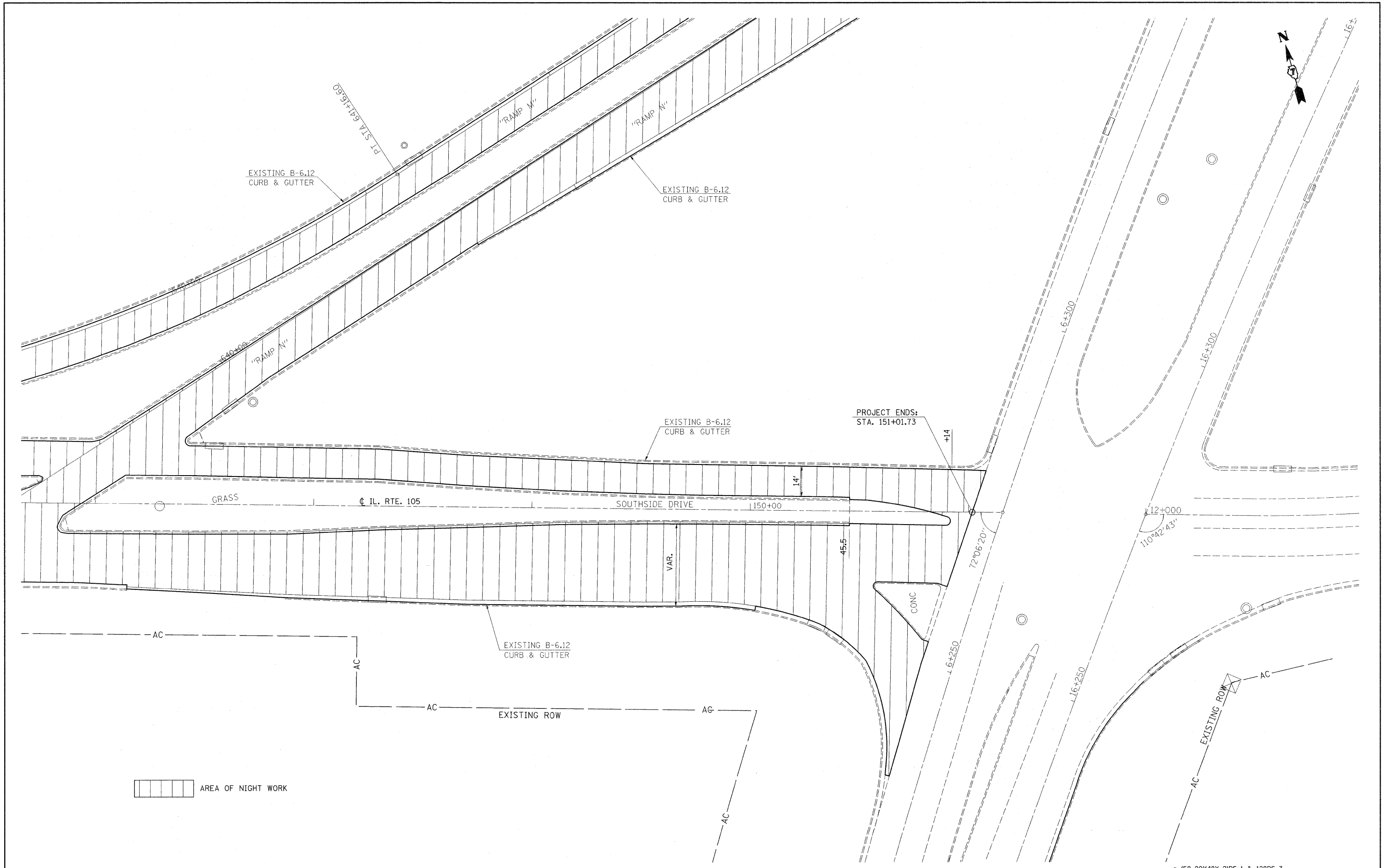
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PLAN SHEETS
 IL. ROUTE 105**

SCALE: 20 SHEET NO. 8 OF 10 SHEETS STA. 143+00 TO STA. 149+00

F.A.P. RTE. 714	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		MACON	100	48
CONTRACT NO. 74405				
ILLINOIS FED. AID PROJECT				

• (58-20)(48X-2)RS-1 & 128RS-3



• (58-20)(48X-2)RS-1 & 128RS-3

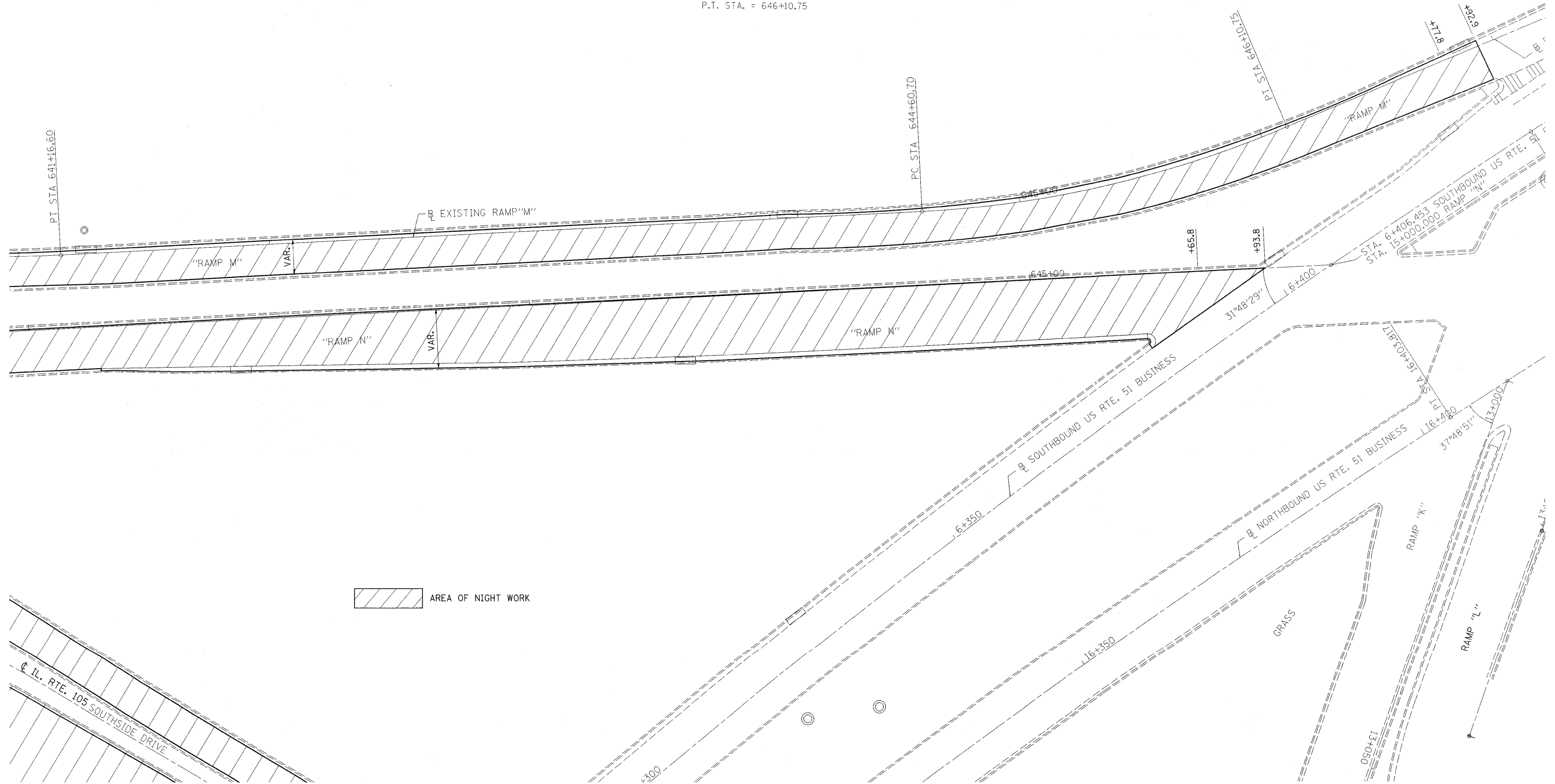
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	PLOT DATE = 1/19/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS		TOTAL SHEETS		SHEET NO.	
IL. ROUTE 105		100		49	
SCALE: 20	SHEET NO. 9 OF 10 SHEETS	STA. 146+50	TO STA. 150+99.88	ILLINOIS FED. AID PROJECT	

F.A.P. RTE. 714	SECTION *	COUNTY MACON	TOTAL SHEETS 100	SHEET NO. 49
			CONTRACT NO. 74405	

EXIST. CURVE CUR7
 PI STA. = 645+35.72
 Δ = 19° 59' 13" (LT)
 D = 13° 19' 29"
 R = 428.60'
 T = 75.77'
 L = 150.00'
 E = 6.62'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 644+60.70
 P.T. STA. = 646+10.75



 AREA OF NIGHT WORK

IL. RTE. 105 SOUTHSIDE DRIVE

• (58-20)(48X-2)RS-1 & 128RS-3

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	PLOT DATE = 1/19/2010	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

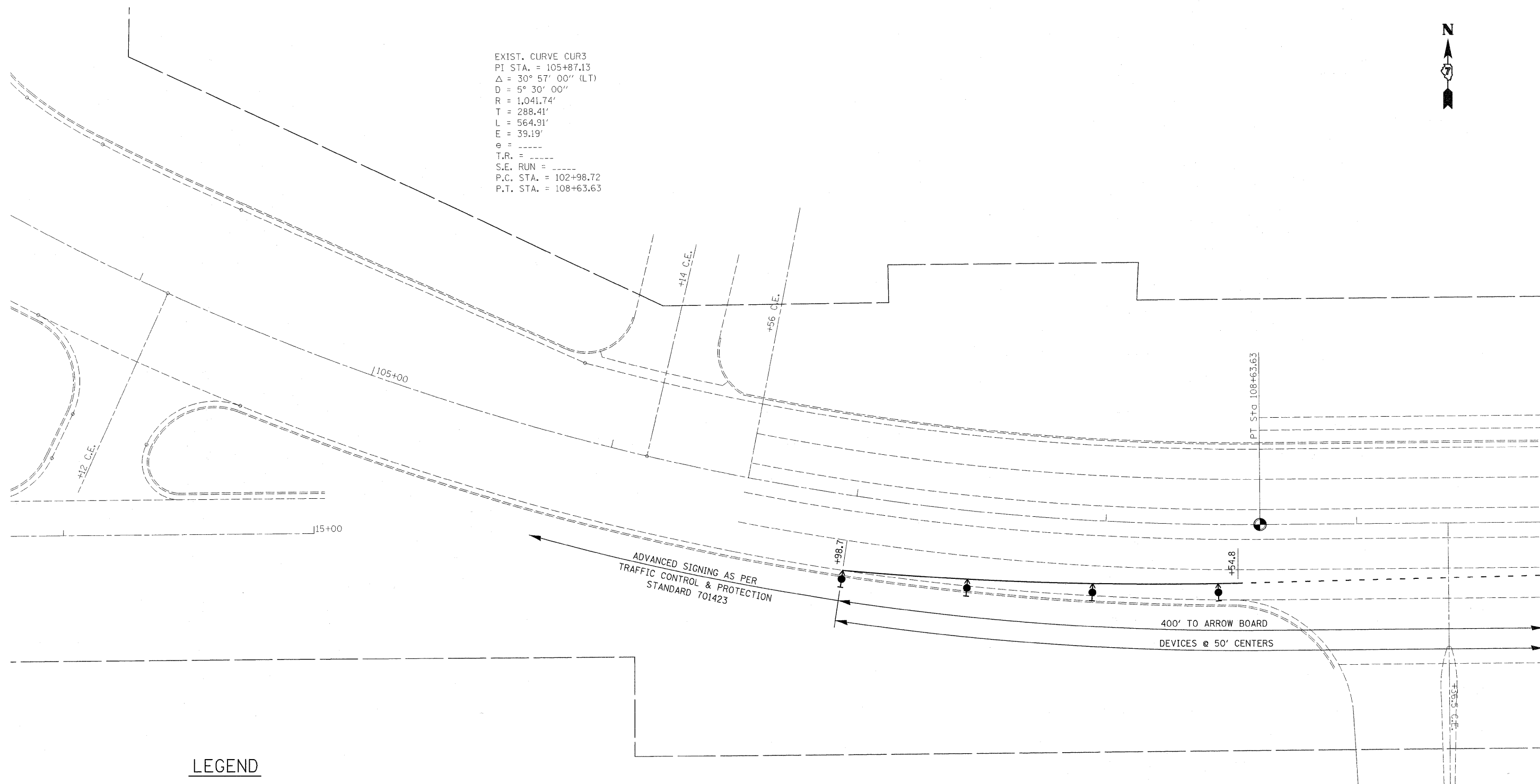
**PLAN SHEETS
 IL. ROUTE 105**

SCALE: 20 SHEET NO. 10 OF 10 SHEETS STA. 641+00 TO STA. 647+00




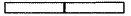



F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	*	MACON	100	50
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74405	



EXIST. CURVE CUR3
 PI STA. = 105+87.13
 Δ = 30° 57' 00" (LT)
 D = 5° 30' 00"
 R = 1,041.74'
 T = 288.41'
 L = 564.91'
 E = 39.19'
 θ = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 102+98.72
 P.T. STA. = 108+63.63



LEGEND

-  DIRECTION INDICATOR BARRICADE
W/STEADY BURN MONO-DIRECTIONAL LIGHT
-  FLEXIBLE DELINEATOR
-  ARROW BOARD
-  TEMPORARY CONCRETE BARRIER
-  4" TEMPORARY DASHED LINE (WHITE)
-  IMPACT ATTENUATOR
-  TYPE III BARRICADE

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	PLOT DATE = 1/19/2010	DATE -	REVISED -

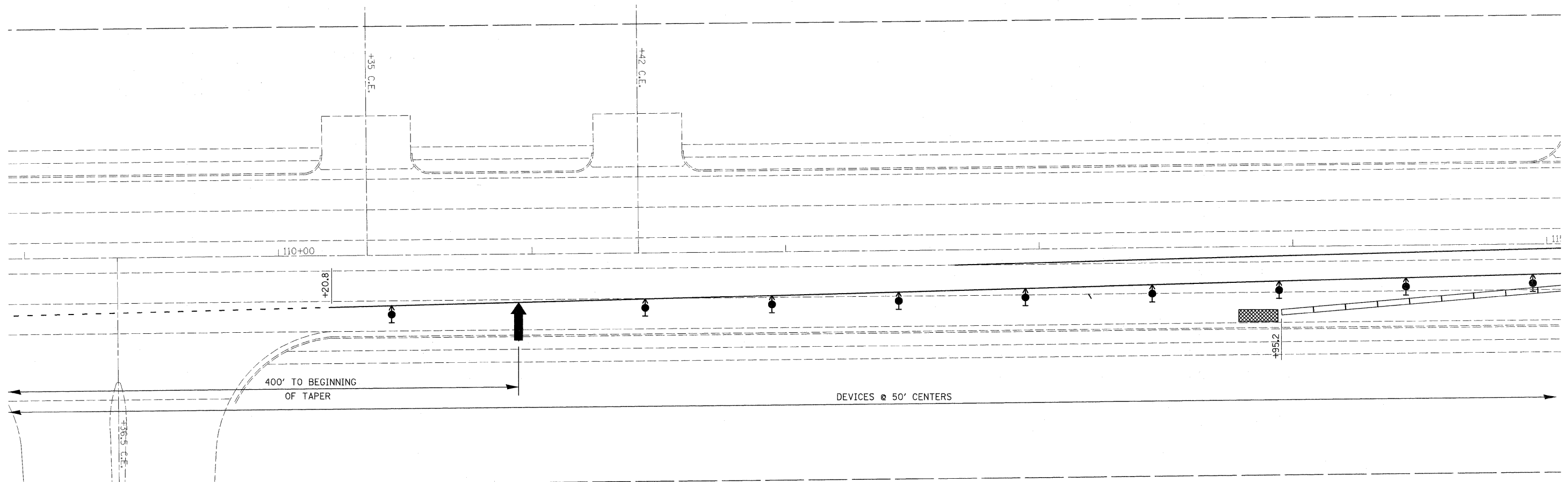
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**




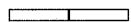



**STAGE I TRAFFIC CONTROL
 STANDARD 701423**

SCALE: 20 SHEET NO. 1 OF 4 SHEETS STA. 107+00 TO STA. 113+00

F.A.P. RTE.		SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714		*	MACON	100	51
				CONTRACT NO. 74405	
ILLINOIS FED. AID PROJECT					

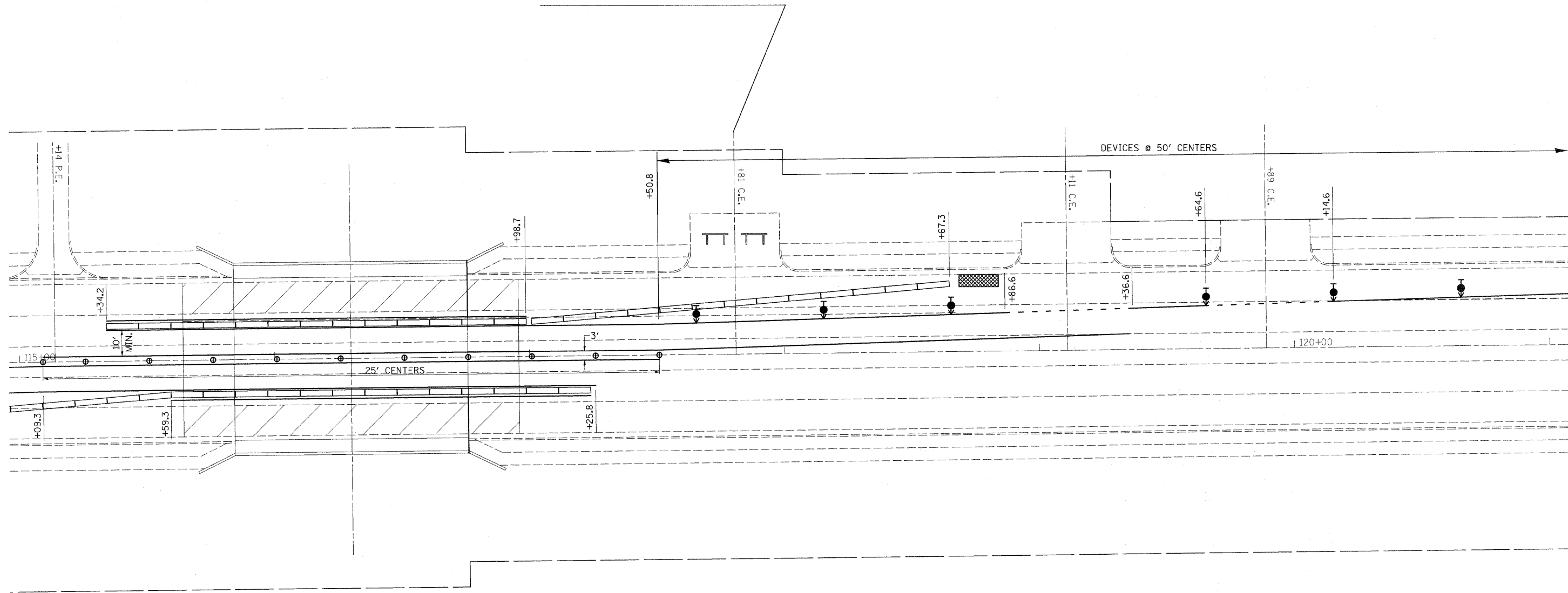
• (58-20)(48X-2)RS-1 & 128RS-3






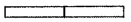
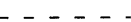


-  DIRECTION INDICATOR BARRICADE
W/STEADY BURN MONO-DIRECTIONAL LIGHT
-  FLEXIBLE DELINEATOR
-  ARROW BOARD
-  TEMPORARY CONCRETE BARRIER
-  4" TEMPORARY DASHED LINE (WHITE)
-  IMPACT ATTENUATOR
-  TYPE III BARRICADE

• (58-20)(48X-2)RS-1 & 128RS-3

FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE I TRAFFIC CONTROL STANDARD 701423			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = 1/19/2010	DATE -	REVISED -		ILLINOIS FED. AID PROJECT								



LEGEND

-  DIRECTION INDICATOR BARRICADE
W/STEADY BURN MONO-DIRECTIONAL LIGHT
-  FLEXIBLE DELINEATOR
-  ARROW BOARD
-  TEMPORY CONCRETE BARRIER
-  4" TEMPORY DASHED LINE (WHITE)
-  IMPACT ATTENUATOR
-  TYPE III BARRICADE

• (58-20)(48X-2)RS-1 & 128RS-3

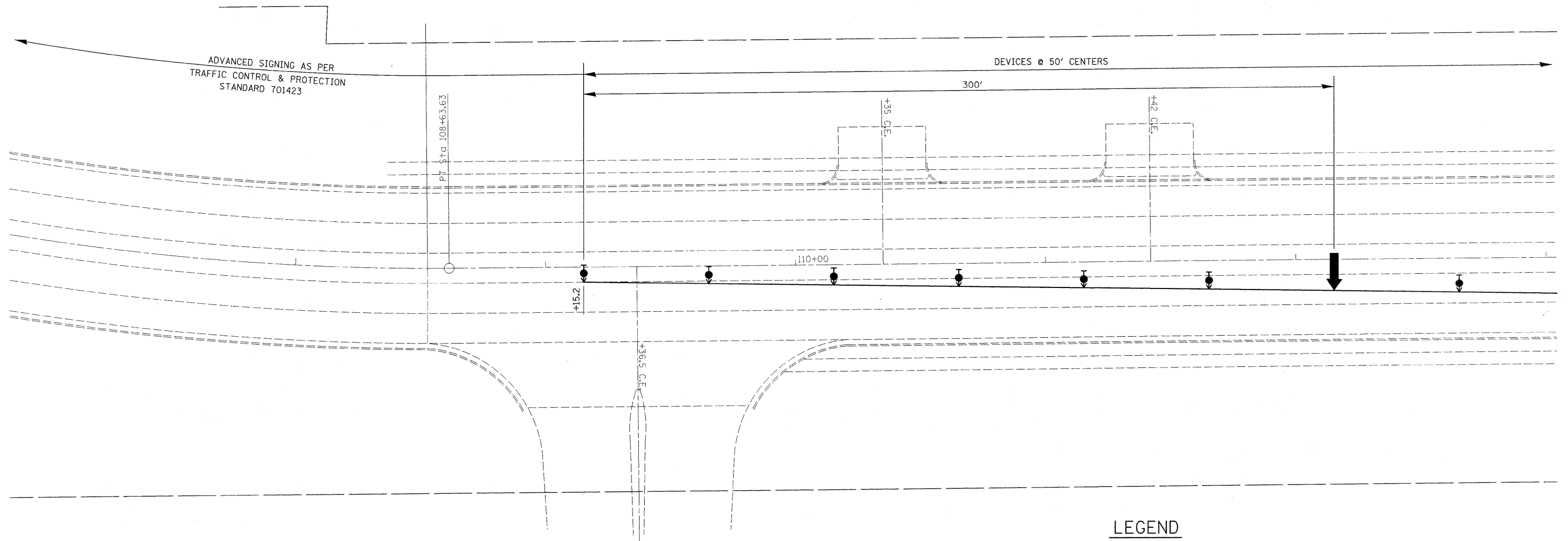
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	PLOT DATE = 1/19/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**




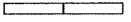



**STAGE I TRAFFIC CONTROL
STANDARD 701423**

SCALE: 20 SHEET NO. 3 OF 4 SHEETS STA. 119+00 TO STA. 125+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	•	MACON	100	53
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74405	

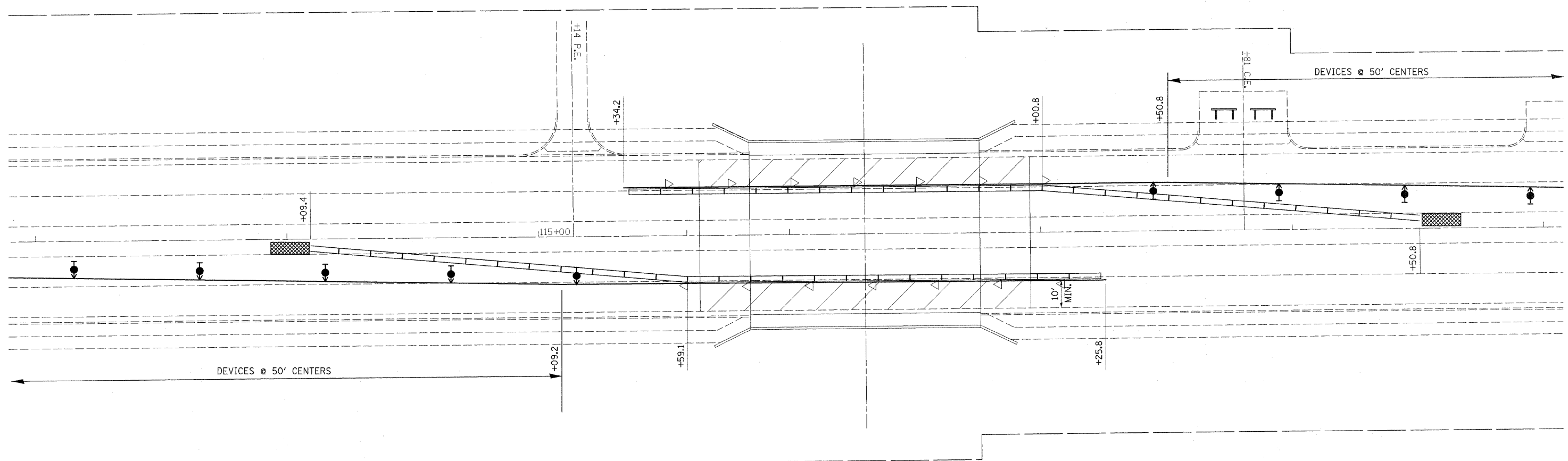


LEGEND




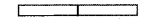



-  DIRECTION INDICATOR BARRICADE
W/STEADY BURN MONO-DIRECTIONAL LIGHT
-  FLEXIBLE DELINEATOR
-  ARROW BOARD
-  TEMPORARY CONCRETE BARRIER
-  4" TEMPORARY DASHED LINE (WHITE)
-  IMPACT ATTENUATOR
-  TYPE III BARRICADE

• (58-20)(48X-2)RS-1 & 128RS-3

FILE NAME = c:\pw_work\PMWIDOT\SWARTZRWA\0146320\D7	USER NAME = swartzw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STAGE II TRAFFIC CONTROL STANDARD 701423		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE = 20,0000' / IN.	CHECKED -	REVISED -				714	.	MACON	100	55	
PLOT DATE = 1/19/2010	DATE -	REVISED -	REVISED -		SCALE: 20	SHEET NO. 1 OF 3 SHEETS	STA. 107+00 TO STA. 113+00	CONTRACT NO. 74405				
							ILLINOIS FED. AID PROJECT					



LEGEND

-  DIRECTION INDICATOR BARRICADE
W/STEADY BURN MONO-DIRECTIONAL LIGHT
-  FLEXIBLE DELINEATOR
-  ARROW BOARD
-  TEMPORARY CONCRETE BARRIER
-  4" TEMPORARY DASHED LINE (WHITE)
-  IMPACT ATTENUATOR
-  TYPE III BARRICADE

• (58-20X48X-2)RS-1 & 128RS-3

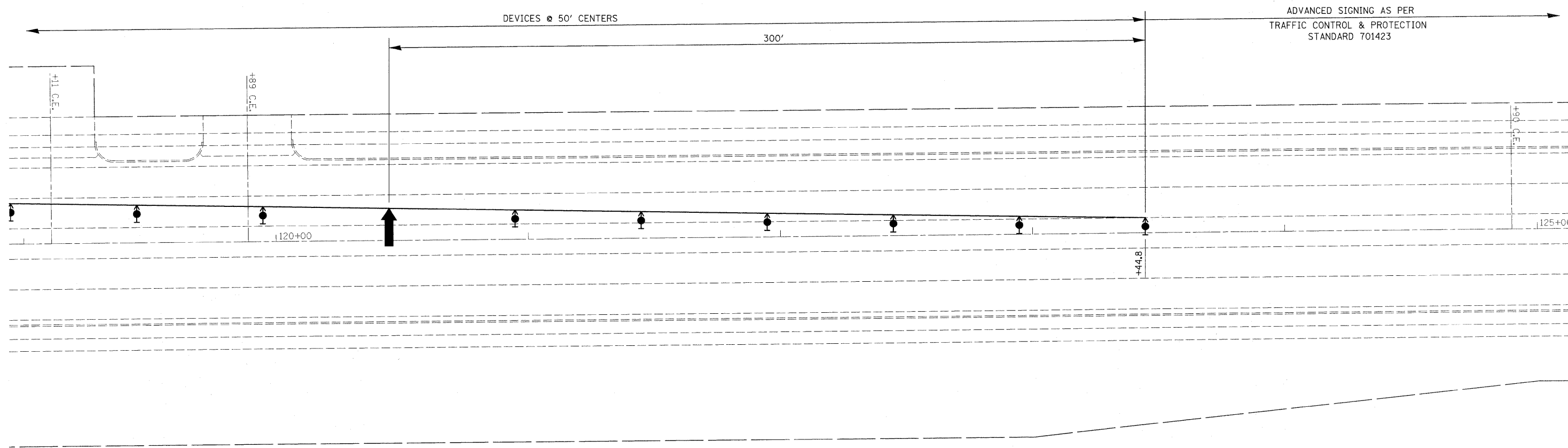
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	PLOT DATE = 1/19/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**




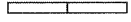



**STAGE II TRAFFIC CONTROL
STANDARD 701423**

SCALE: 20 SHEET NO. 2 OF 3 SHEETS STA. 113+00 TO STA. 119+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	*	MACON	100	56
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74405	

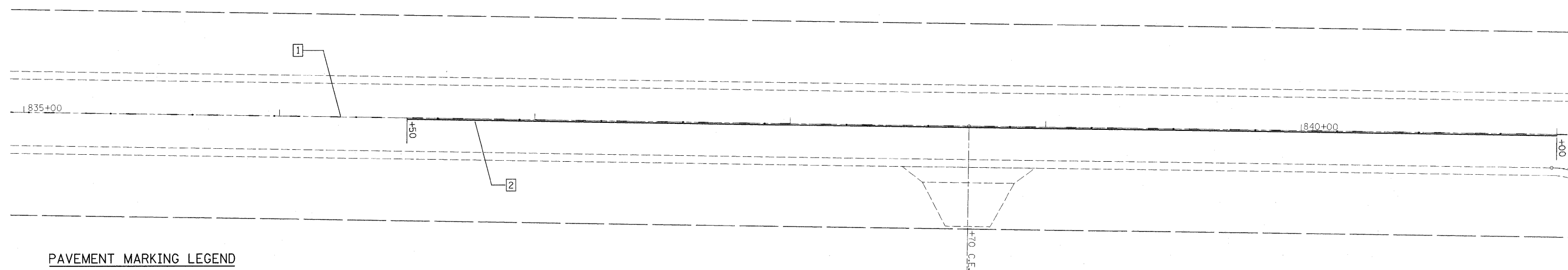
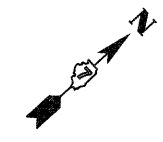


LEGEND

-  DIRECTION INDICATOR BARRICADE
W/STEADY BURN MONO-DIRECTIONAL LIGHT
-  FLEXIBLE DELINEATOR
-  ARROW BOARD
-  TEMPORARY CONCRETE BARRIER
-  4" TEMPORARY DASHED LINE (WHITE)
-  IMPACT ATTENUATOR
-  TYPE III BARRICADE

• (58-20)(48X-2)RS-1 & 128RS-3

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	4485-sht-trafficcontrol.dgn	DRAWN -	REVISED -					714	*	MACON	100	57
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	PLOT DATE = 1/19/2010	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
				SCALE: 20	SHEET NO. 3	OF 3	SHEETS	STA. 119+00	TO STA. 125+00			



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" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 6" (150) LANE LINE EXTENSIONS (WHITE)

TYPICAL PAVEMENT MARKERS LEGEND

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

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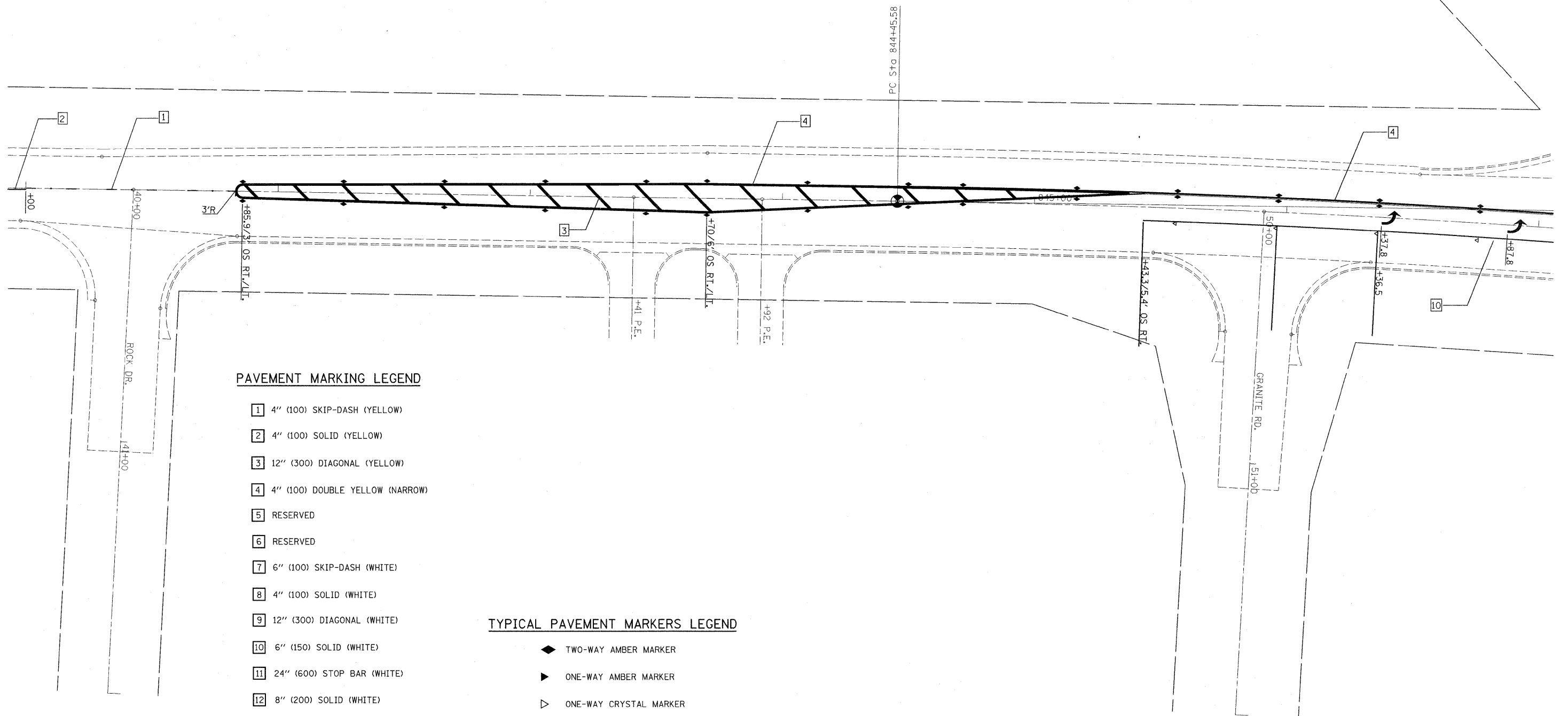
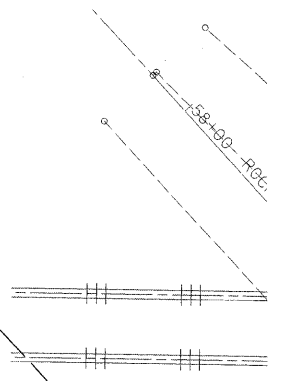
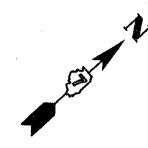
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL. RTE. 48 STRIPING DETAILS

SCALE: 20 SHEET NO. 1 OF 10 SHEETS STA. 835+00 TO STA. 841+00

• (58-20)(48X-2)RS-1 & 128RS-3

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	•	MACON	100	58
CONTRACT NO. 74405				
ILLINOIS FED. AID PROJECT				



- 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" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 6" (150) LANE LINE EXTENSIONS (WHITE)

TYPICAL PAVEMENT MARKERS LEGEND

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

• (58-20)(48X-2)RS-1 & 128RS-3

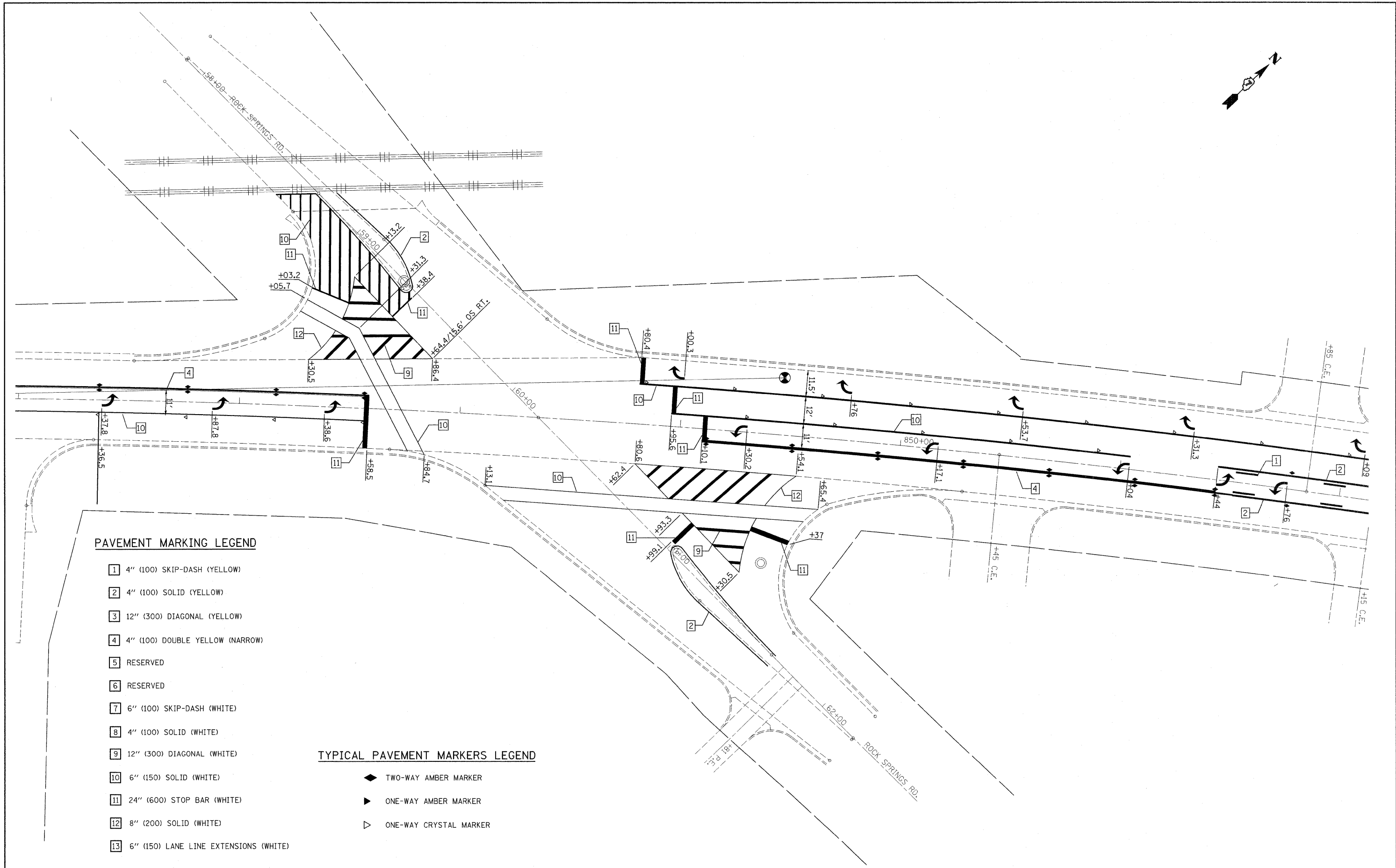
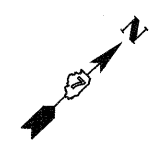
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	PLOT DATE = 1/19/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL RTE. 48 STRIPING DETAILS

SCALE: 20 SHEET NO. 2 OF 10 SHEETS STA. 841+00 TO STA. 847+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	*	MACON	100	59
CONTRACT NO. 74405			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" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 6" (150) LANE LINE EXTENSIONS (WHITE)

TYPICAL PAVEMENT MARKERS LEGEND

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

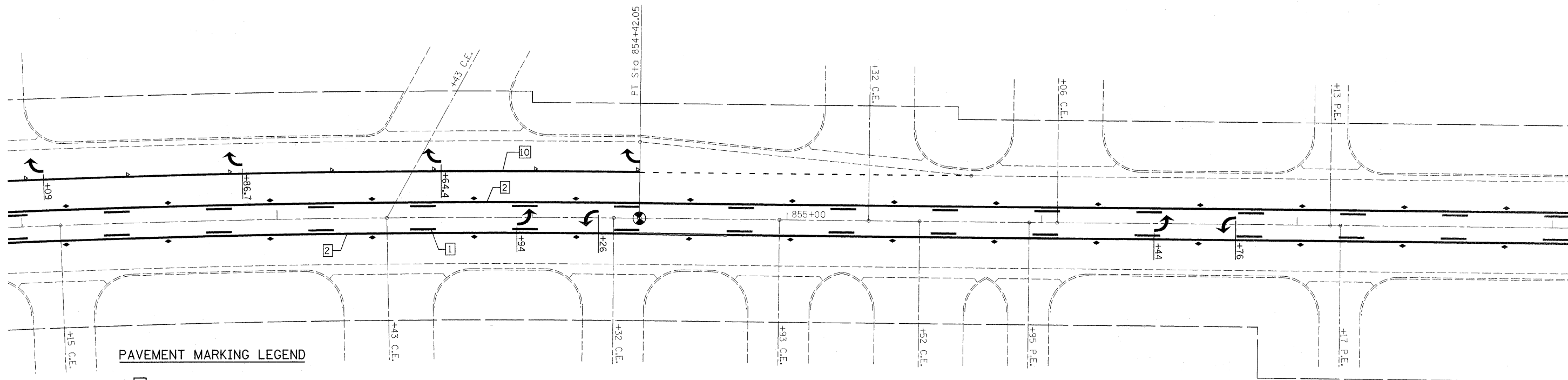
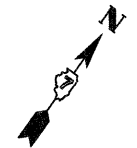
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	PLOT SCALE = 20,0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/19/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL. RTE. 48 STRIPING DETAILS

SCALE: 20 SHEET NO. 3 OF 10 SHEETS STA. 846+00 TO STA. 852+00

* (58-20)(48X-2)RS-1 & 128RS-3				
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	*	MACON	100	60
			CONTRACT NO. 74405	
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" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 6" (150) LANE LINE EXTENSIONS (WHITE)

TYPICAL PAVEMENT MARKERS LEGEND

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

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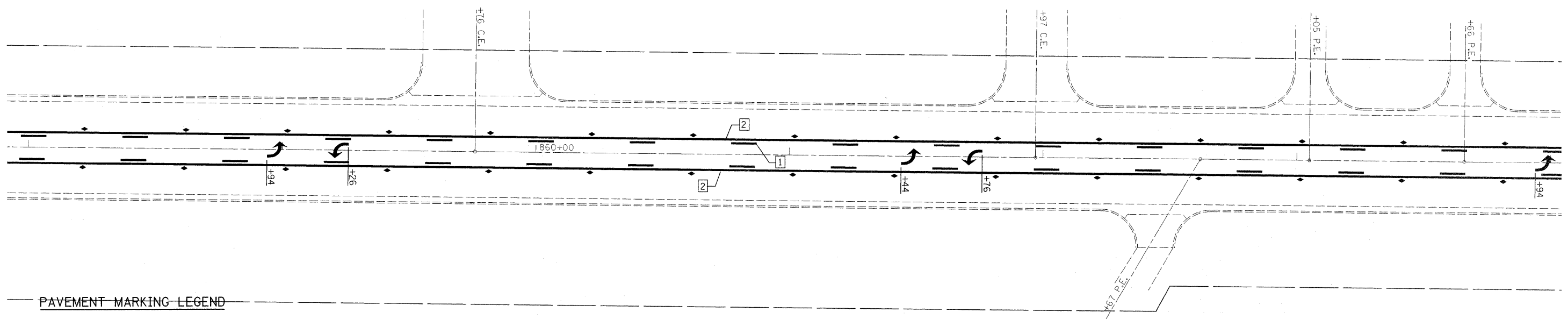
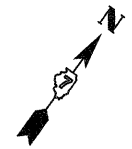
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL. RE. 48 STRIPING DETAILS

SCALE: 20 SHEET NO. 4 OF 10 SHEETS STA. 852+00 TO STA. 858+00

• (58-20)(48X-2)RS-1 & 128RS-3

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	.	MACON	100	61
CONTRACT NO. 74405			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" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 6" (150) LANE LINE EXTENSIONS (WHITE)

TYPICAL PAVEMENT MARKERS LEGEND

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

FILE NAME =	USER NAME = swartzrw	DESIGNED -	REVISED -
ca:\pwork\PIWIDOT\SWARTZRW\08146320\07	4405-ahs-striping.dgn	DRAWN -	REVISED -
	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/19/2010	DATE -	REVISED -

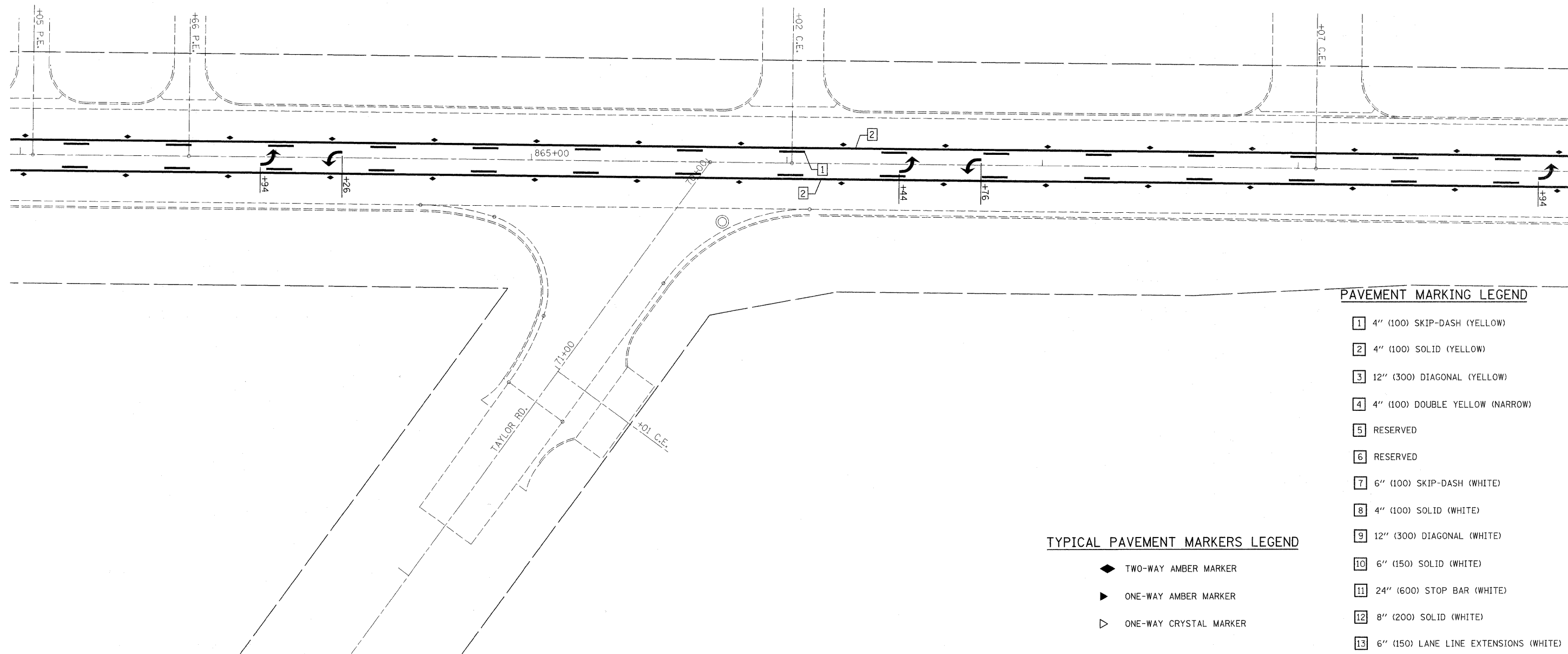
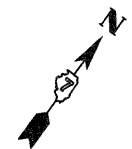
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL. RTE. 48 STRIPING DETAILS

SCALE: 20 SHEET NO. 5 OF 10 SHEETS STA. 858+00 TO STA. 864+00

* (58-20)(48X-2)RS-1 & 128RS-3

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	.	MACON	100	62
CONTRACT NO. 74405			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" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 6" (150) LANE LINE EXTENSIONS (WHITE)

• (58-20)(48X-2)RS-1 & 128RS-3

TYPICAL PAVEMENT MARKERS LEGEND

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

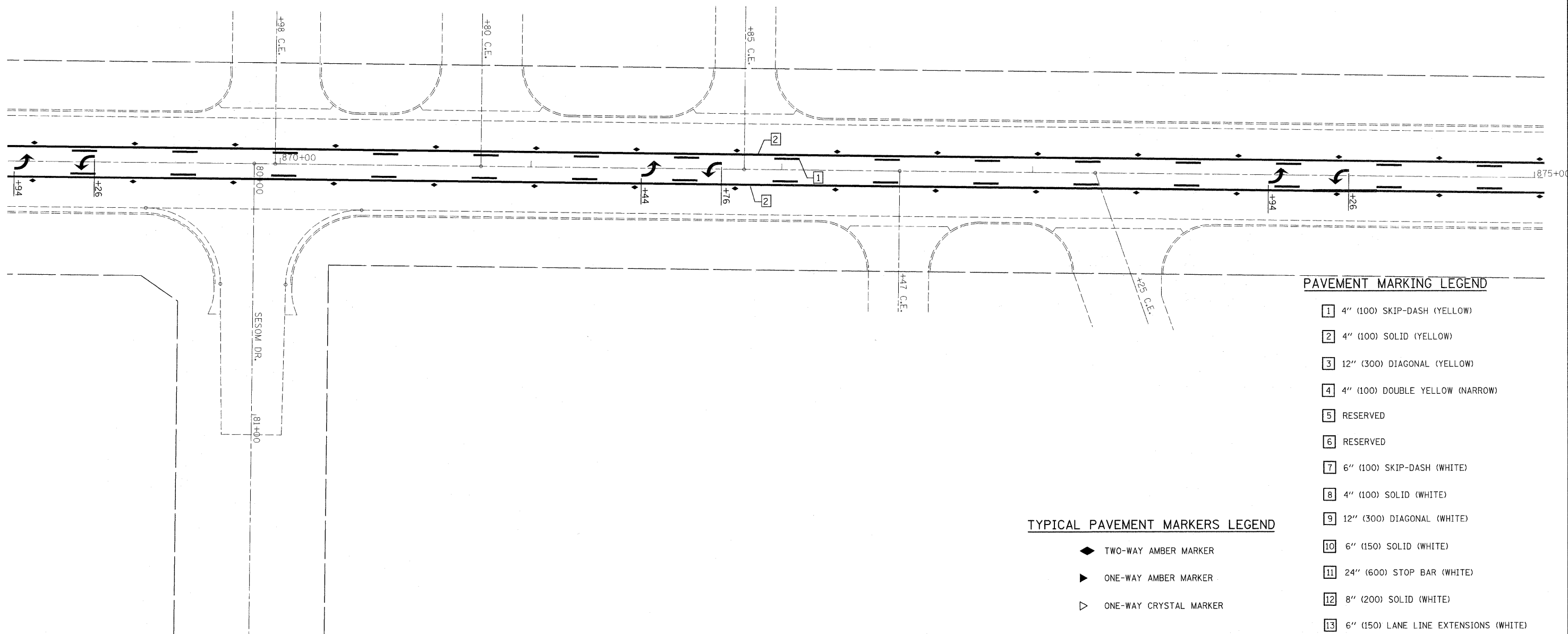
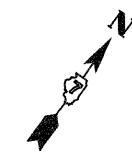
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	PLOT DATE = 1/19/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL. RTE. 48 STRIPING DETAILS

SCALE: 20 SHEET NO. 6 OF 10 SHEETS STA. 863+00 TO STA. 869+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	.	MACON	100	63
			CONTRACT NO. 74405	
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" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 6" (150) LANE LINE EXTENSIONS (WHITE)

TYPICAL PAVEMENT MARKERS LEGEND

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

• (58-20)(48X-2)RS-1 & 128RS-3

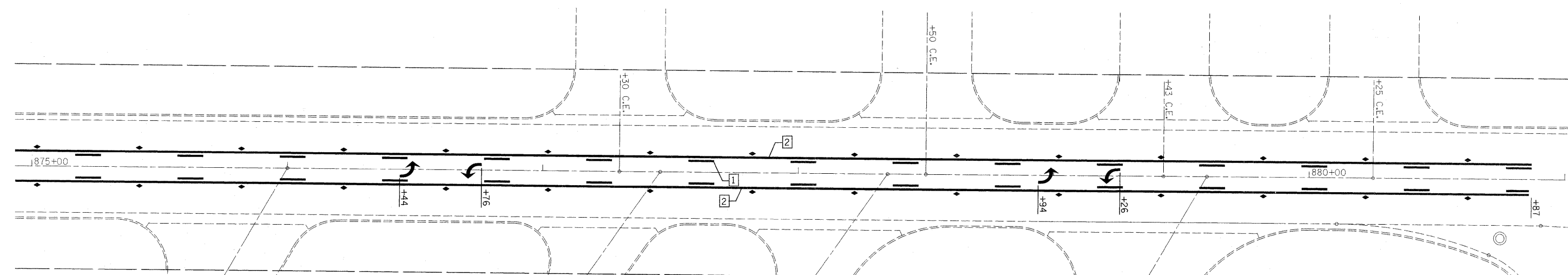
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	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/19/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL. RTE. 48 STRIPING DETAILS

SCALE: 20 SHEET NO. 7 OF 10 SHEETS STA. 869+00 TO STA. 875+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	*	MACON	100	64
			CONTRACT NO. 74405	
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" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 6" (150) LANE LINE EXTENSIONS (WHITE)

TYPICAL PAVEMENT MARKERS LEGEND

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

FILE NAME =	USER NAME = swartzrw	DESIGNED -	REVISED -
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	PLOT DATE = 1/19/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL. RTE. 48 STRIPING DETAILS

SCALE: 20 SHEET NO. 8 OF 10 SHEETS STA. 875+00 TO STA. 881+00

• (58-20)(48X-2)RS-1 & 128RS-3

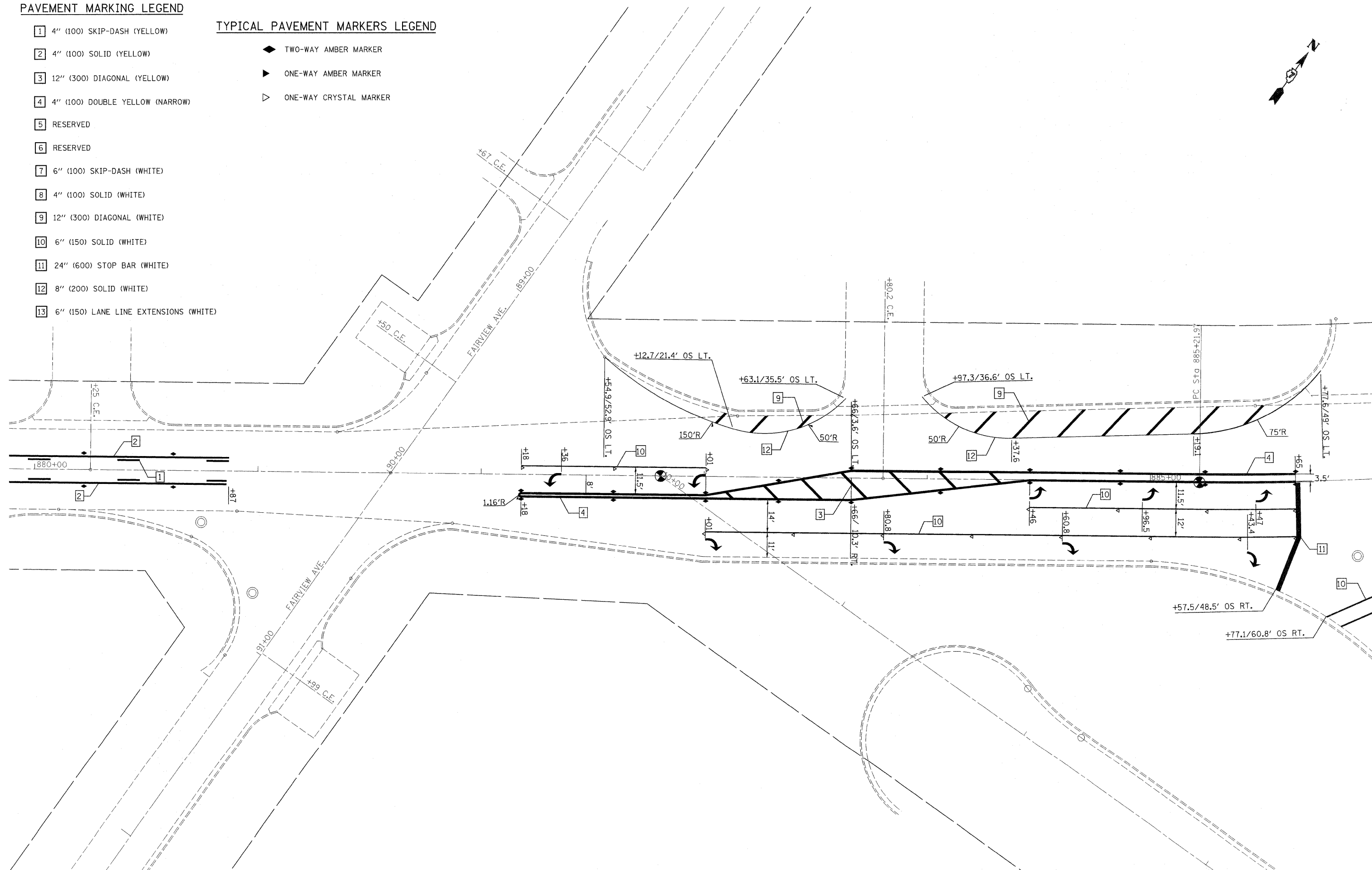
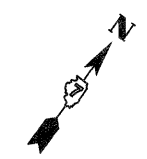
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	*	MACON	100	65
			CONTRACT NO. 74405	
ILLINOIS FED. AID PROJECT				

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" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 6" (150) LANE LINE EXTENSIONS (WHITE)

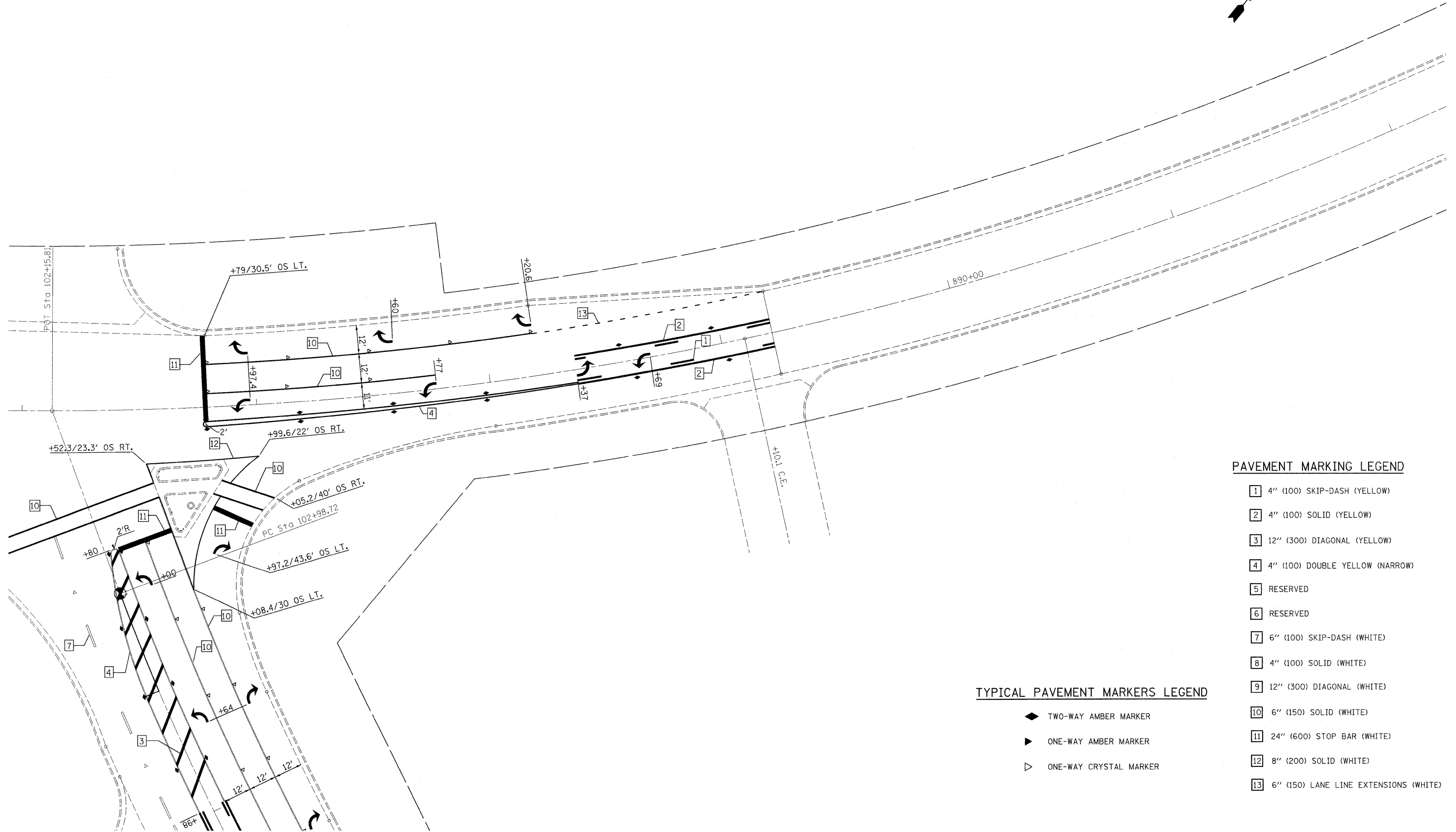
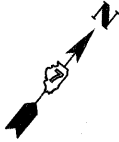
TYPICAL PAVEMENT MARKERS LEGEND

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



* (58-20)(48X-2)RS-1 & 128RS-3

FILE NAME =	USER NAME = swartzrw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. RTE. 48 STRIPING DETAILS		F.A.P. RTE. 714	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -		CONTRACT NO. 74405						
	PLOT DATE = 1/19/2010	DATE -	REVISED -		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" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 6" (150) LANE LINE EXTENSIONS (WHITE)

TYPICAL PAVEMENT MARKERS LEGEND

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

• (58-20)(48X-2)RS-1 & 128RS-3

FILE NAME =	USER NAME = swartzrw	DESIGNED -	REVISED -
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	PLOT DATE = 1/19/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL. RTE. 48 STRIPING DETAILS

SCALE: 20 SHEET NO. 10 OF 10 SHEETS STA. 886+00 TO STA. 892+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	*	MACON	100	67
			CONTRACT NO. 74405	
ILLINOIS FED. AID PROJECT				

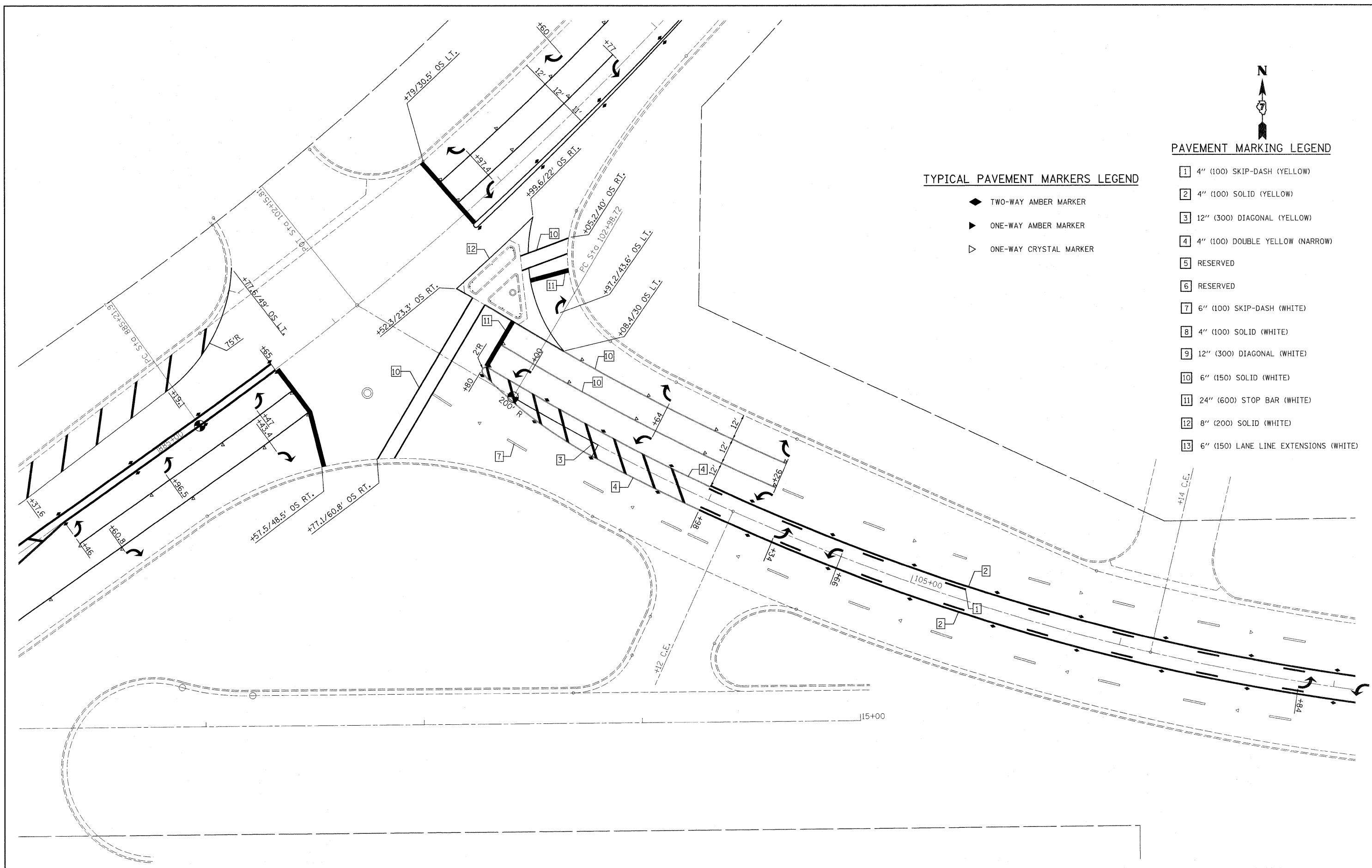


PAVEMENT MARKING LEGEND

- 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" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 6" (150) LANE LINE EXTENSIONS (WHITE)

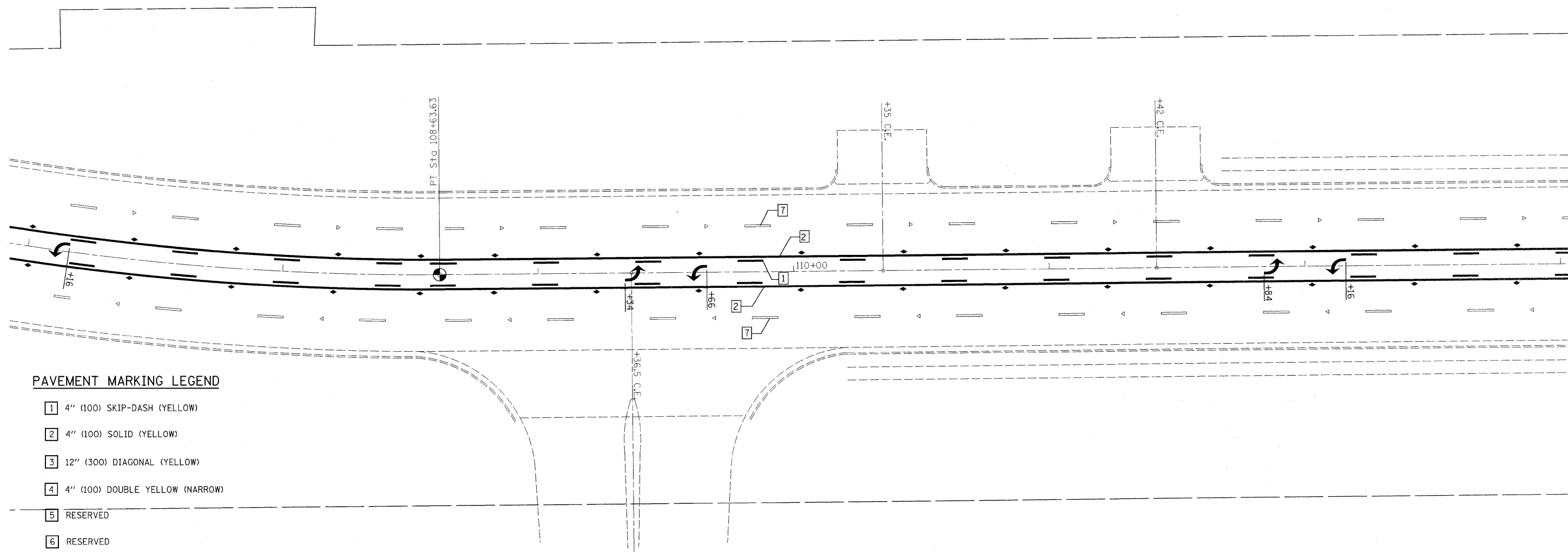
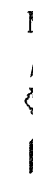
TYPICAL PAVEMENT MARKERS LEGEND

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



FILE NAME =	USER NAME = swartzrw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. RTE. 105 STRIPING DETAILS			F.A.P. RTE. 714	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT SCALE = 20,000 / IN.	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
	PLOT DATE = 1/19/2010	DATE -	REVISED -									

• (58-20)(48X-2)RS-1 & 128RS-3



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)

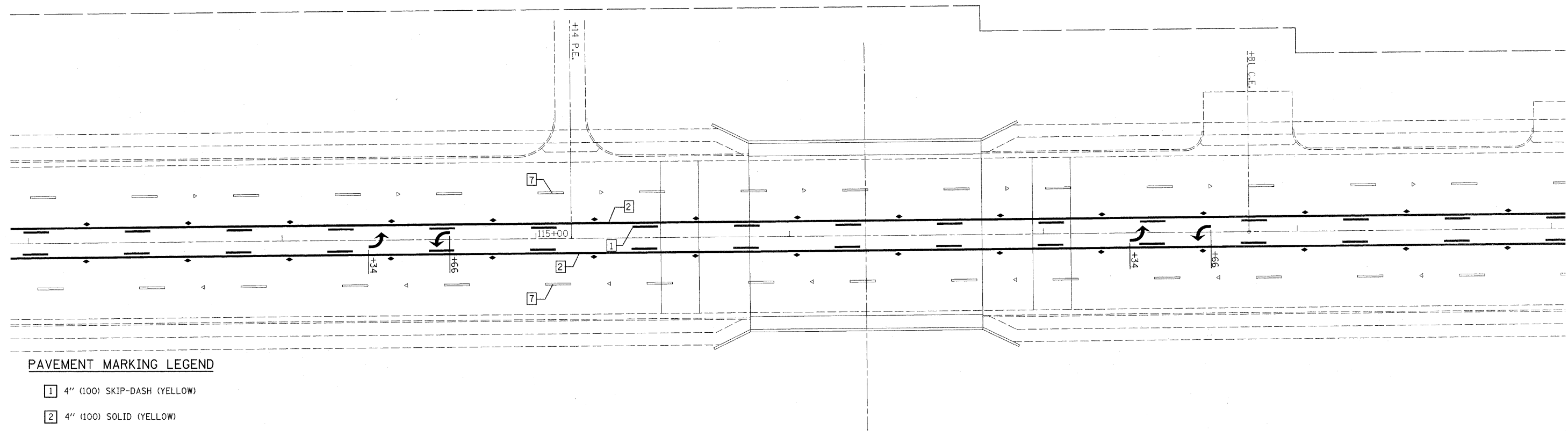
- 5 RESERVED
- 6 RESERVED

- 7 6" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)

TYPICAL PAVEMENT MARKERS LEGEND

- 10 6" (150) SOLID (WHITE) ◆ TWO-WAY AMBER MARKER
- 11 24" (600) STOP BAR (WHITE) ► ONE-WAY AMBER MARKER
- 12 8" (200) SOLID (WHITE) ▷ ONE-WAY CRYSTAL MARKER
- 13 6" (150) LANE LINE EXTENSIONS (WHITE)

FILE NAME =	USER NAME = swartzrw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. RTE. 105 STRIPING DETAILS			F.A.P. RTE. 714	SECTION *	COUNTY MACON	TOTAL SHEETS 100	SHEET NO. 69
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	PLOT DATE = 1/19/2010	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							
* (58-20)(48X-2)RS-1 & 128RS-3												



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" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 6" (150) LANE LINE EXTENSIONS (WHITE)

TYPICAL PAVEMENT MARKERS LEGEND

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

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

IL. RTE. 105 STRIPING DETAILS

SCALE: 20 SHEET NO. 3 OF 10 SHEETS STA. 113+00 TO STA. 119+00

• (58-20)(48X-2)RS-1 & 128RS-3

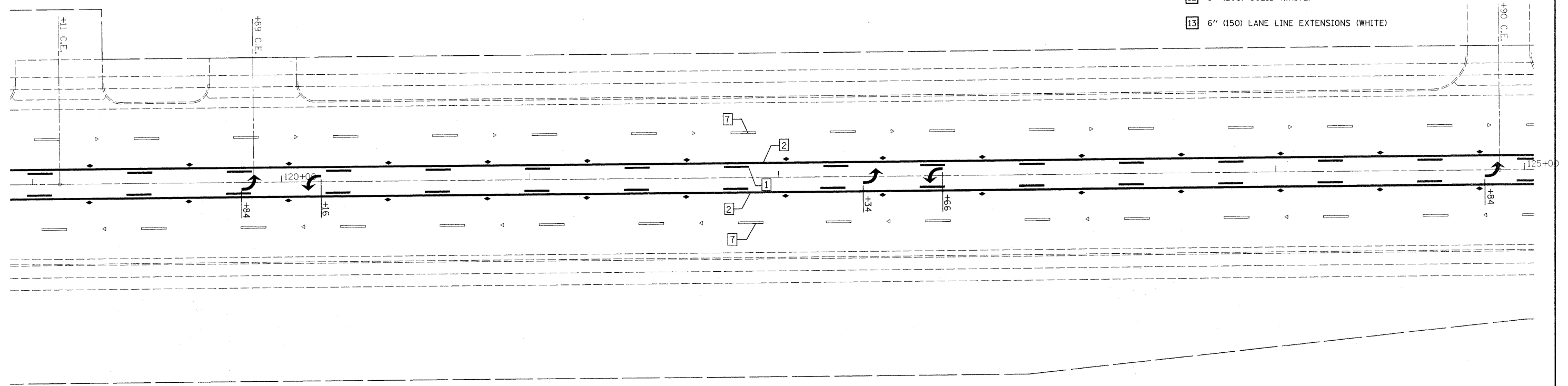
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	*	MACON	100	70
			CONTRACT NO. 74405	
ILLINOIS FED. AID PROJECT				

TYPICAL PAVEMENT MARKERS LEGEND

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

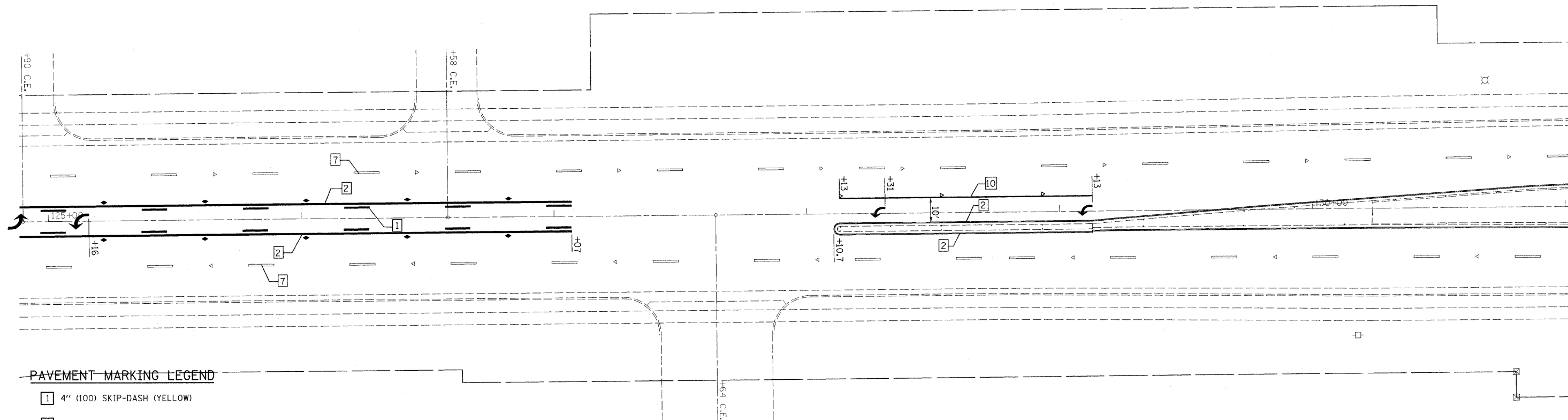
PAVEMENT MARKING LEGEND

- 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" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 6" (150) LANE LINE EXTENSIONS (WHITE)



• (58-20X48X-2)RS-1 & 128RS-3

FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. RTE. 105 STRIPING DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 1/19/2010	DATE -	REVISED -		STA. 119+00 TO STA. 125+00			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" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 6" (150) LANE LINE EXTENSIONS (WHITE)

TYPICAL PAVEMENT MARKERS LEGEND

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

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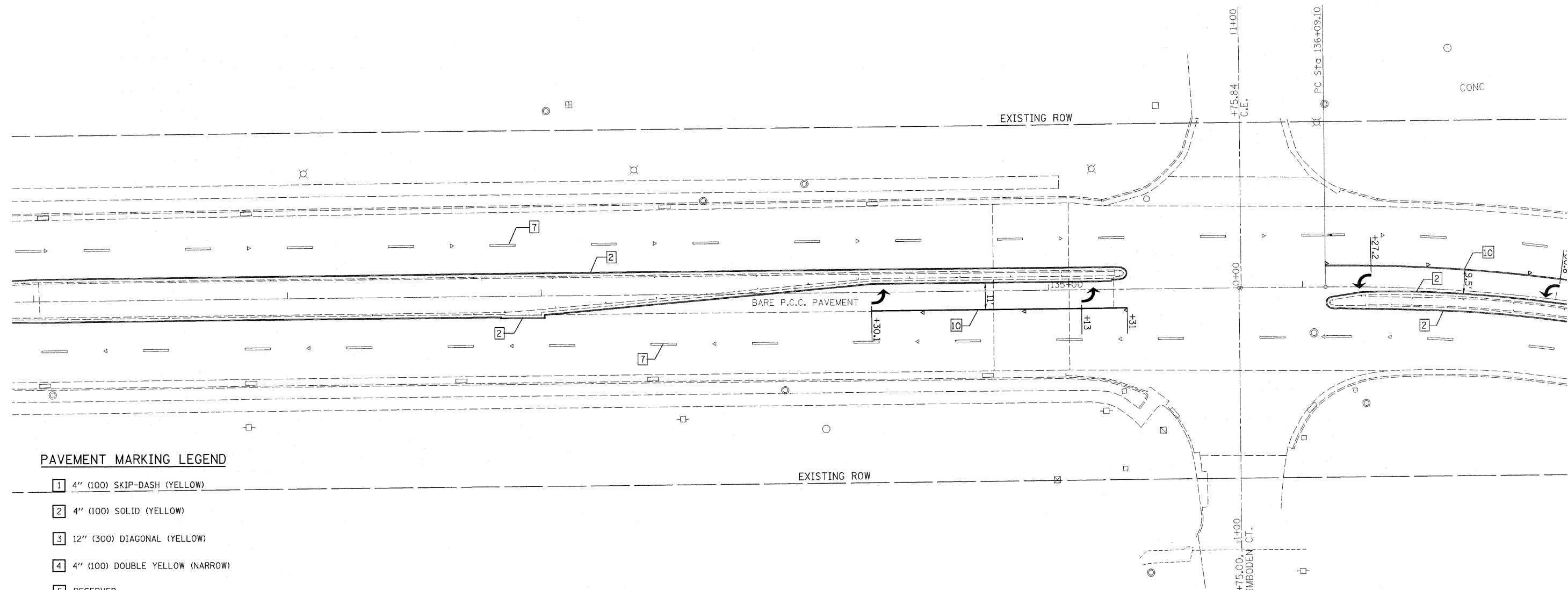
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL. RTE. 105 STRIPING DETAILS

SCALE: 20 SHEET NO. 5 OF 10 SHEETS STA. 125+00 TO STA. 131+00

• (58-20X48X-2)RS-1 & 128RS-3

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	•	MACON	100	72
CONTRACT NO. 74405				
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" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 6" (150) LANE LINE EXTENSIONS (WHITE)

TYPICAL PAVEMENT MARKERS LEGEND

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

EXIST. CURVE 4923
 PI STA. 10+572.574
 $\Delta = 17^\circ 05' 29''$ (RT)
 T = 31.776m
 R = 211.466m
 L = 63.080m
 E = 2.374m
 PC STA. 10+540.798
 PT STA. 10+603.878

FILE NAME =	USER NAME = swartzrw	DESIGNED -	REVISED -
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	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/19/2010	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL. RTE. 105 STRIPING DETAILS

SCALE: 20 SHEET NO. 6 OF 10 SHEETS STA. 131+00 TO STA. 137+00

• (58-20)(48X-2)RS-1 & 128RS-3

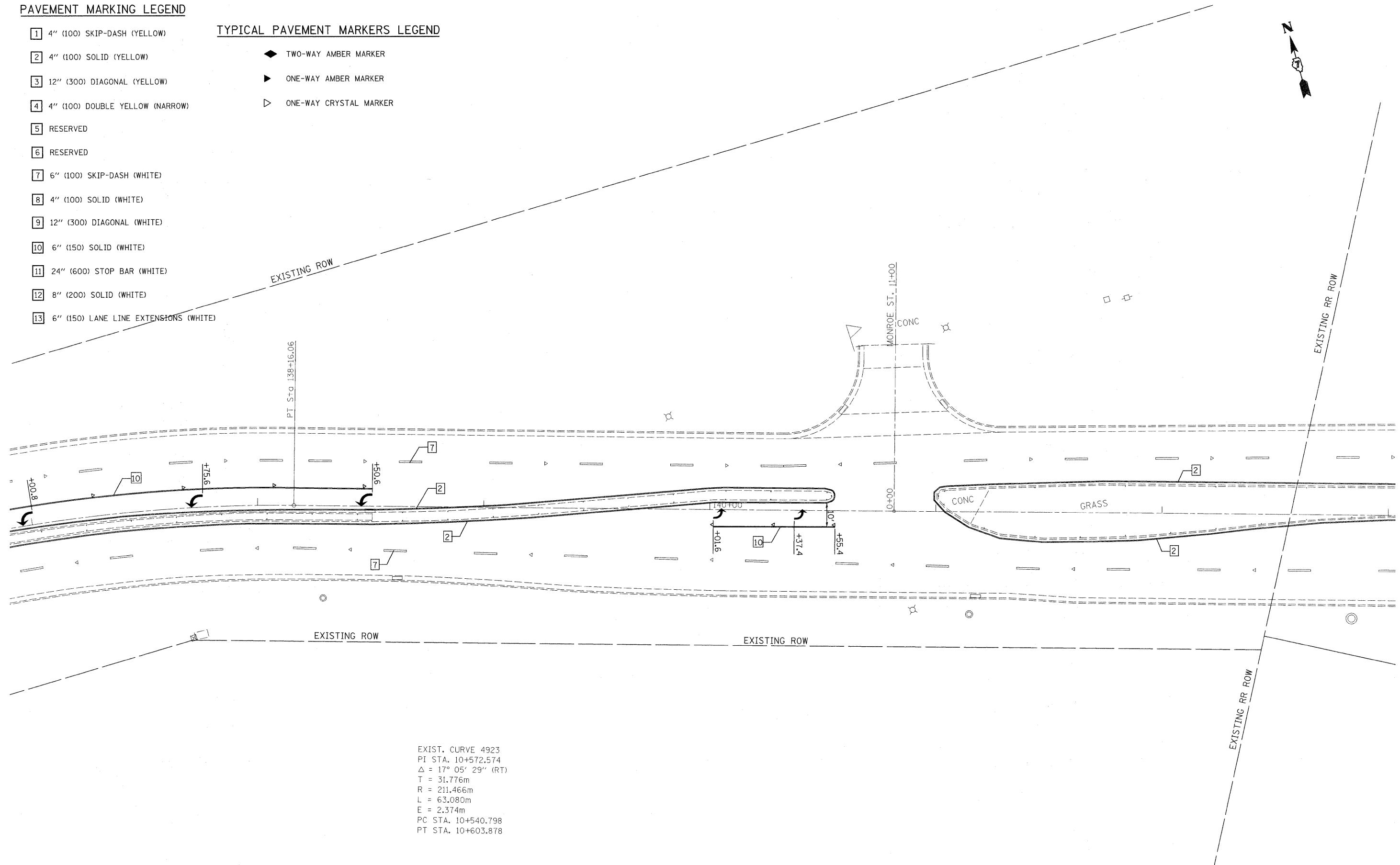
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	•	MACON	100	73
CONTRACT NO. 74405			ILLINOIS FED. AID PROJECT	

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" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 6" (150) LANE LINE EXTENSIONS (WHITE)

TYPICAL PAVEMENT MARKERS LEGEND

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



FILE NAME =	USER NAME = swartzrw	DESIGNED -	REVISED -
c:\pw_work\PWIDOT\SWARTZRW\d0146320\07	4405-shr-striping.dgn	DRAWN -	REVISED -
	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/19/2010	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL. RTE. 105 STRIPING DETAILS

SCALE: 20 SHEET NO. 7 OF 10 SHEETS STA. 137+00 TO STA. 143+00

• (58-20)(48X-2)RS-1 & 128RS-3

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714		MACON	100	74
CONTRACT NO. 74405			ILLINOIS FED. AID PROJECT	

PAVEMENT MARKING LEGEND

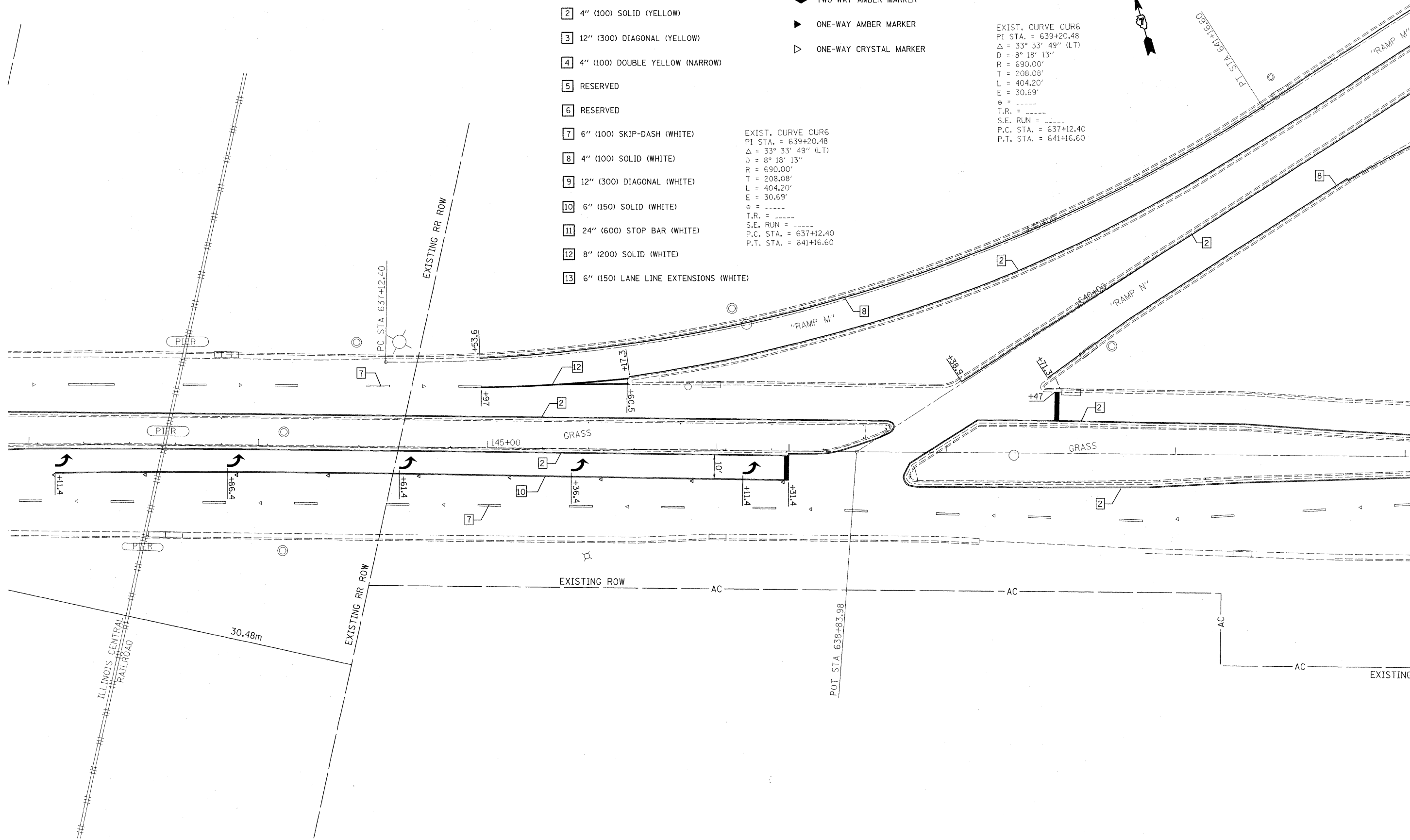
- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 RESERVED
- 6 RESERVED
- 7 6" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)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

TYPICAL PAVEMENT MARKERS LEGEND

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

EXIST. CURVE CUR6
 PI STA. = 639+20.48
 $\Delta = 33^\circ 33' 49''$ (LT)
 D = 8° 18' 13"
 R = 690.00'
 T = 208.08'
 L = 404.20'
 E = 30.69'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 637+12.40
 P.T. STA. = 641+16.60

EXIST. CURVE CUR6
 PI STA. = 639+20.48
 $\Delta = 33^\circ 33' 49''$ (LT)
 D = 8° 18' 13"
 R = 690.00'
 T = 208.08'
 L = 404.20'
 E = 30.69'
 e = -----
 T.R. = -----
 S.E. RUN = -----
 P.C. STA. = 637+12.40
 P.T. STA. = 641+16.60



FILE NAME =	USER NAME = swortzrw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. RTE. 105 STRIPING DETAILS			F.A.P. RTE. 714	SECTION *	COUNTY MACON	TOTAL SHEETS 100	SHEET NO. 75
ct:\pw\work\PIWIDOT\SMARTZRW\d8146320\D74405-sht-striping.dgn	PLOT SCALE = 20,0000' / IN.	CHECKED -	REVISED -		SCALE: 20	SHEET NO. 8 OF 10 SHEETS	STA. 143+00 TO STA. 149+00	CONTRACT NO. 74405		ILLINOIS FED. AID PROJECT		
PLOT DATE = 1/19/2010	DATE -	REVISED -	REVISED -									

• (58-20)(48X-2)RS-1 & 128RS-3

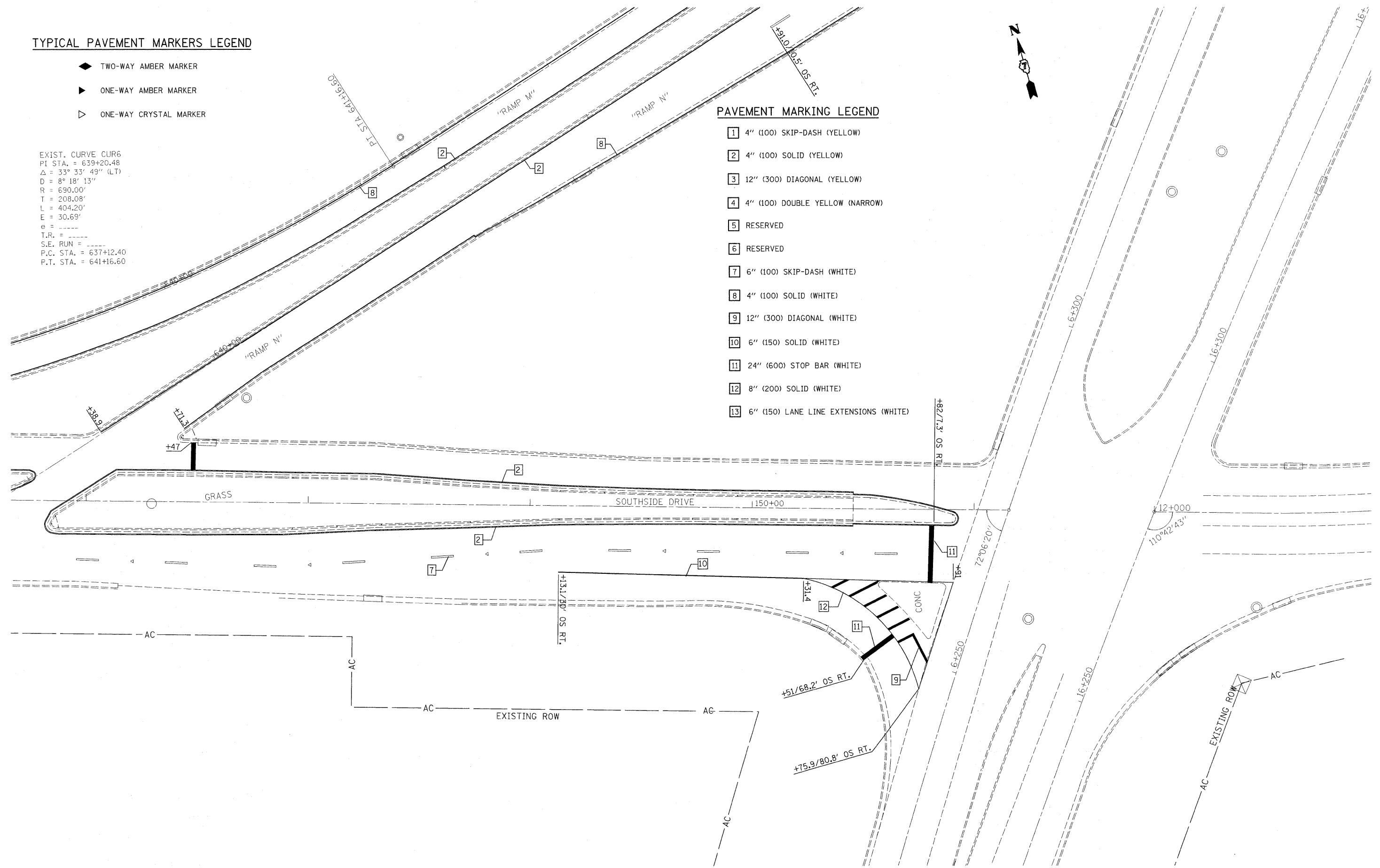
TYPICAL PAVEMENT MARKERS LEGEND

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

EXIST. CURVE CUR6
 PI STA. = 639+20.48
 $\Delta = 33^\circ 33' 49''$ (LT)
 $D = 8^\circ 18' 13''$
 $R = 690.00'$
 $T = 208.08'$
 $L = 404.20'$
 $E = 30.69'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 637+12.40$
 $P.T. STA. = 641+16.60$

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" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 6" (150) LANE LINE EXTENSIONS (WHITE)



FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -
ct:\pw_work\PIWIDOT\SWARTZRW\4405-sht-stripping.dgn	4405-sht-stripping.dgn	DRAWN -	REVISED -
	PLOT SCALE = 20,000.0' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/19/2010	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

IL. RTE. 105 STRIPING DETAILS

SCALE: 20 SHEET NO. 9 OF 10 SHEETS STA. 147+00 TO STA. 151+01.73

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	.	MACON	100	76
CONTRACT NO. 74405				
ILLINOIS FED. AID PROJECT				

• (58-20X48X-2)RS-1 & 128RS-3

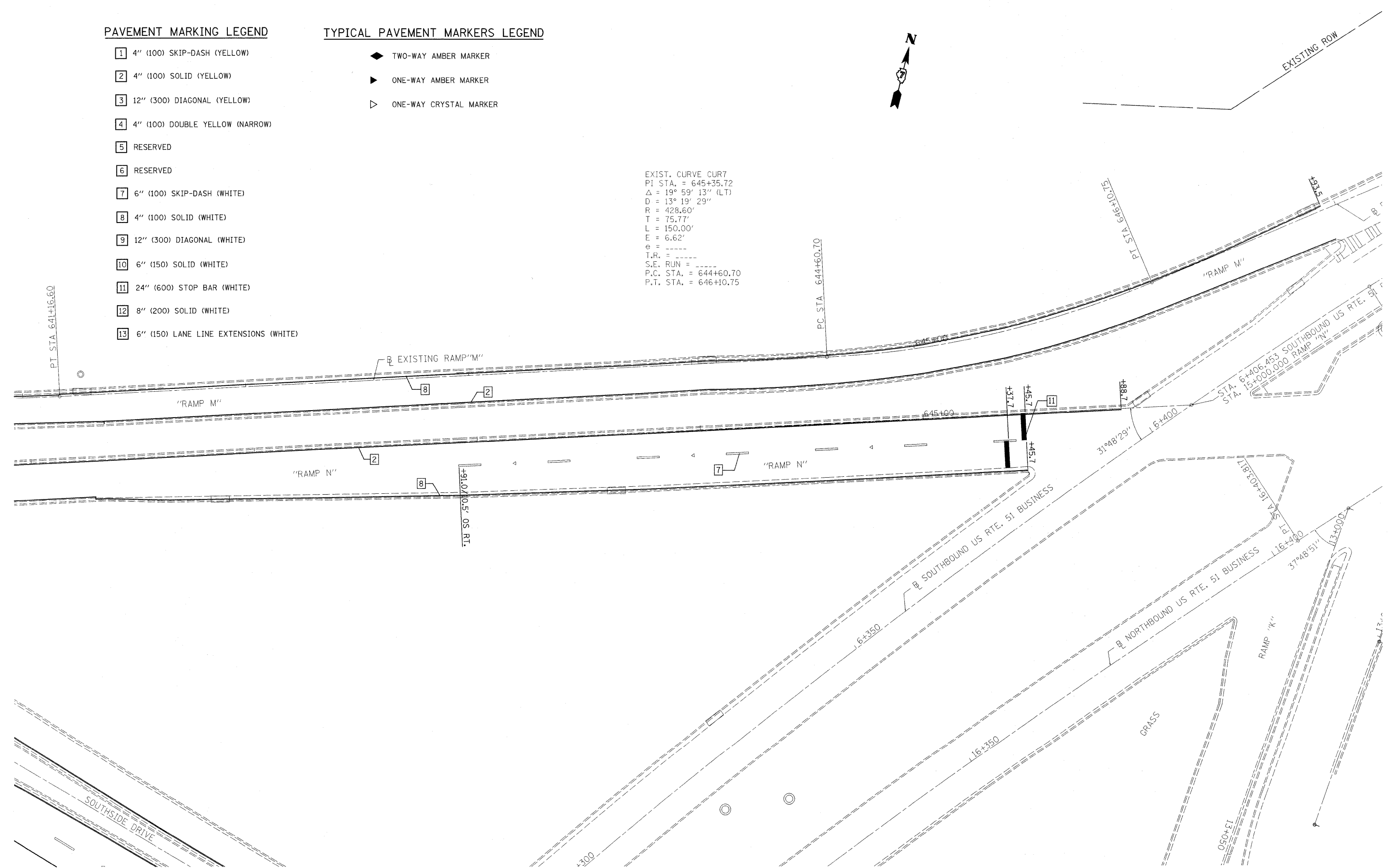
PAVEMENT MARKING LEGEND

- 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" (100) SKIP-DASH (WHITE)
- 8 4" (100) SOLID (WHITE)
- 9 12" (300) DIAGONAL (WHITE)
- 10 6" (150) SOLID (WHITE)
- 11 24" (600) STOP BAR (WHITE)
- 12 8" (200) SOLID (WHITE)
- 13 6" (150) LANE LINE EXTENSIONS (WHITE)

TYPICAL PAVEMENT MARKERS LEGEND

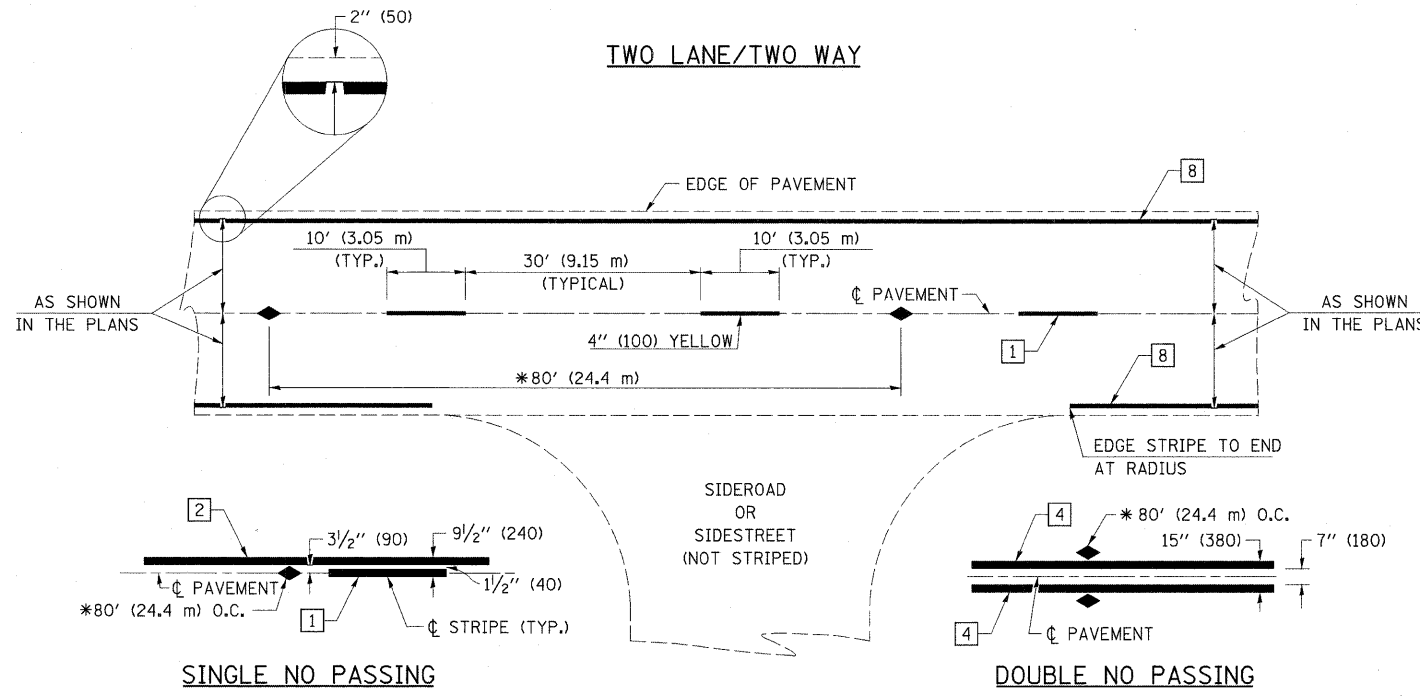
- ◆ TWO-WAY AMBER MARKER
- ▶ ONE-WAY AMBER MARKER
- ▷ ONE-WAY CRYSTAL MARKER

EXIST. CURVE CUR7
 PI STA. = 645+35.72
 $\Delta = 19^\circ 59' 13''$ (LT)
 $D = 13^\circ 19' 29''$
 $R = 428.60'$
 $T = 75.77'$
 $L = 150.00'$
 $E = 6.62'$
 $e = \text{---}$
 $T.R. = \text{---}$
 $S.E. \text{ RUN} = \text{---}$
 $P.C. \text{ STA.} = 644+60.70$
 $P.T. \text{ STA.} = 646+10.75$



• (58-20)(48X-2)RS-1 & 12BR5-3

FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL. RTE. 105 STRIPING DETAILS		F.A.P. RTE. 714	SECTION .	COUNTY MACON	TOTAL SHEETS 100	SHEET NO. 77	
ct:\pw_work\PMIDOT\SMARTZRW\d8146320\07	4485-shr-striping.dgn	DRAWN -	REVISED -		SCALE: 20		SHEET NO. 10 OF 10 SHEETS	STA. 641+00	TO STA. 646+00	CONTRACT NO. 74405		
	PLOT SCALE = 28,0000 1/1 IN.	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT							
	PLOT DATE = 1/19/2010	DATE -	REVISED -									



* REDUCE TO 40' (12.2 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEEDS OF 45 mph (70 km/h) OR LESS.

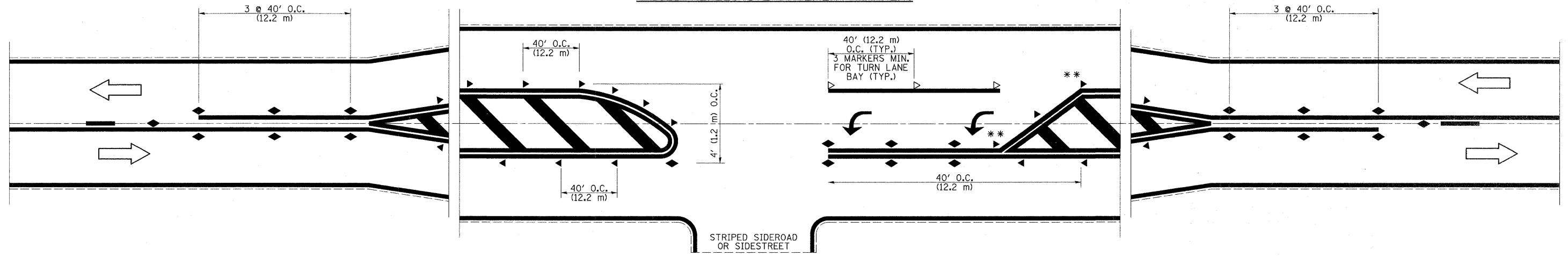
PAVEMENT MARKING LEGEND

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

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.

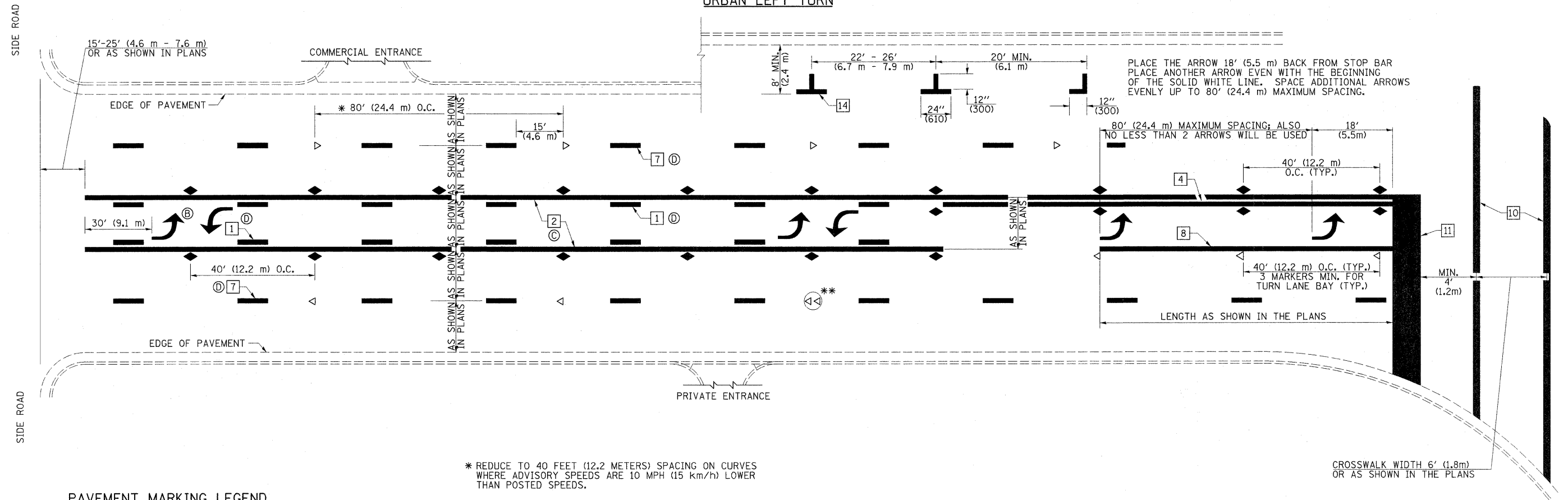
NOT TO SCALE
 Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

• (58-20)(48-X-2)RS-1 & 128RS-3

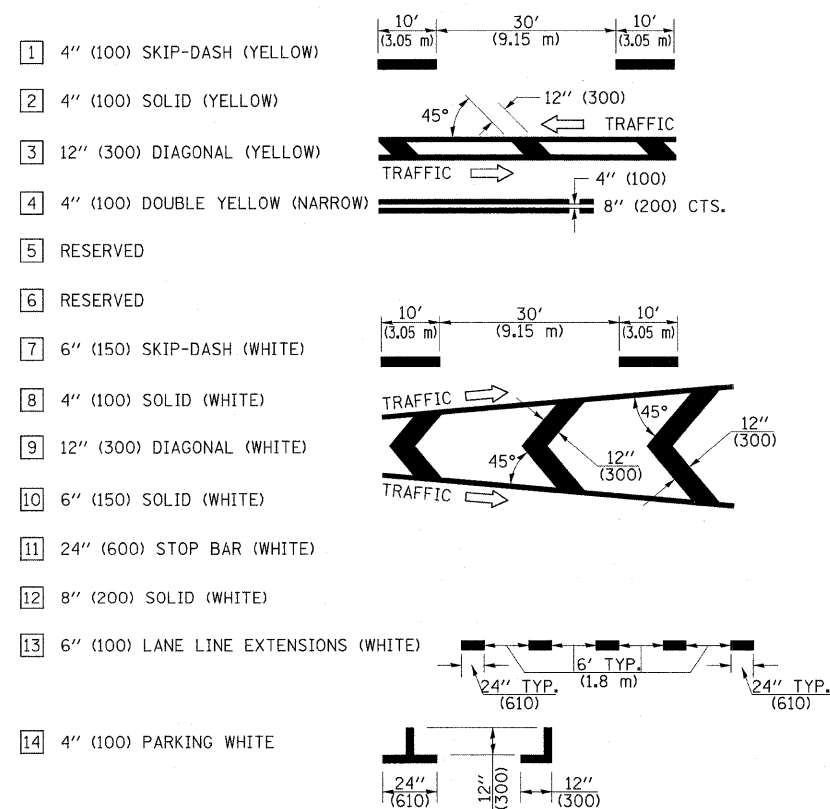
DISTRICT 7 DETAIL NO. 7800001

FILE NAME =	USER NAME = swartzrw	DESIGNED -	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.
ct:\pw_work\NPWIDOT\SWARTZRW\20146322\07	4425-sht-details.dgn	DRAWN -	REVISED -				714	.	MACON	100	78
	PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISED -				CONTRACT NO. 74405				
	PLOT DATE = 1/19/2010	DATE -	REVISED -				ILLINOIS FED. AID PROJECT				
					SCALE: NA	SHEET NO. 1 OF 5 SHEETS	STA.	TO STA.			

URBAN LEFT TURN



PAVEMENT MARKING LEGEND

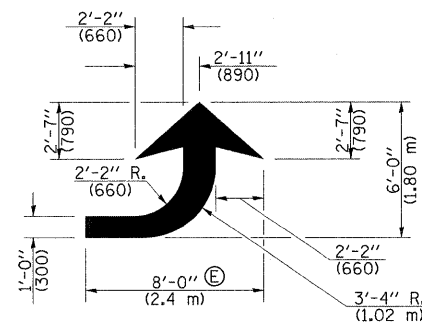
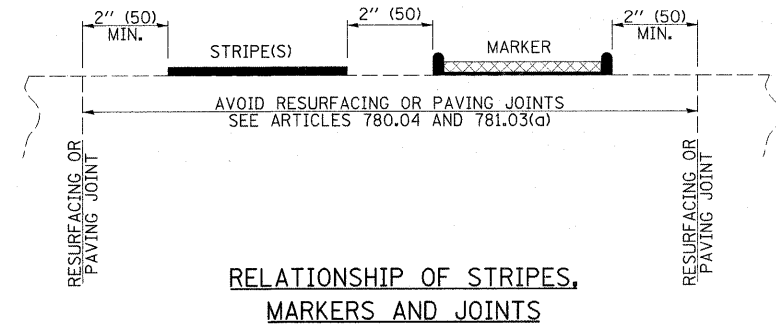


* REDUCE TO 40 FEET (12.2 METERS) SPACING ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.

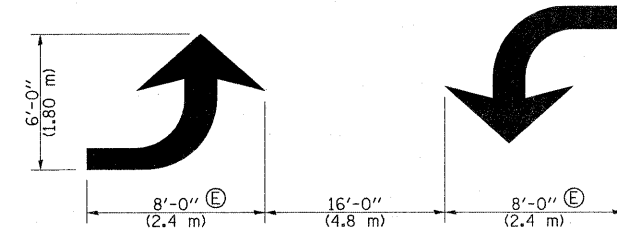
** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

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)



LEFT ARROW
REVERSE FOR RIGHT ARROW
AREA = 15.6 SQ. FT. (1.47 m²)
(WHITE)



TYPICAL DOUBLE
TURN ARROWS (WHITE)

NOT TO SCALE

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

• (58-20)(48-X-2)RS-1 & 128RS-3

DISTRICT 7 DETAIL NO. 7800001

FILE NAME =	USER NAME = swartzrw	DESIGNED -	REVISED -
ct:\pw\work\FWIDOT\SWARTZRW\d0146328\07	4405-shd-detail.dgn	DRAWN -	REVISED -
	PLOT SCALE = 20,0000' / IN.	CHECKED -	REVISED -
	PLOT DATE = 1/19/2010	DATE -	REVISED -

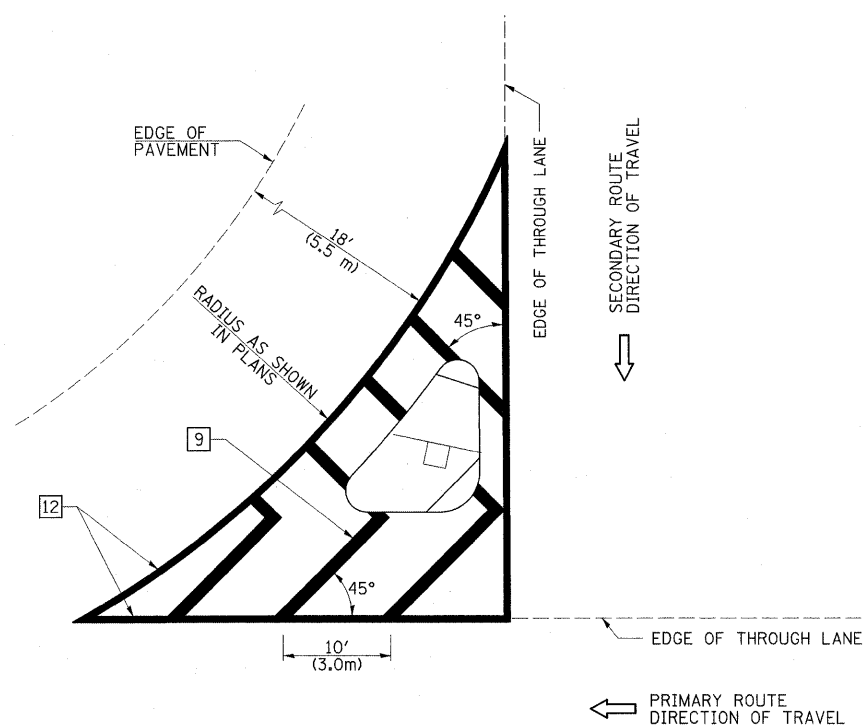
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

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

SCALE: NA SHEET NO. 2 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714		MACON	100	79
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74405	

ISLAND

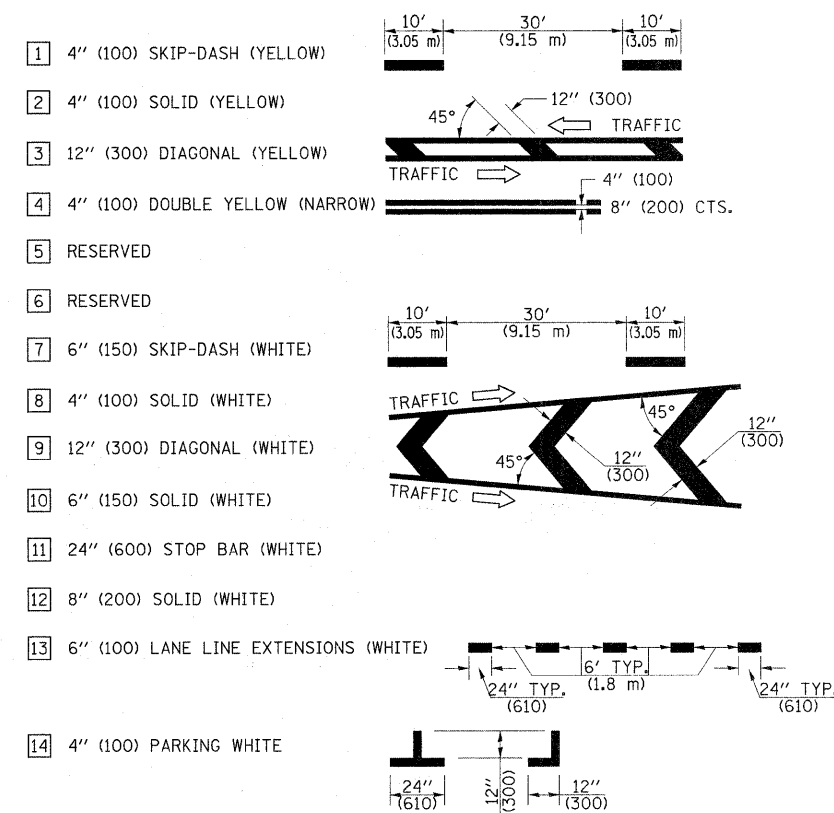


GENERAL NOTES

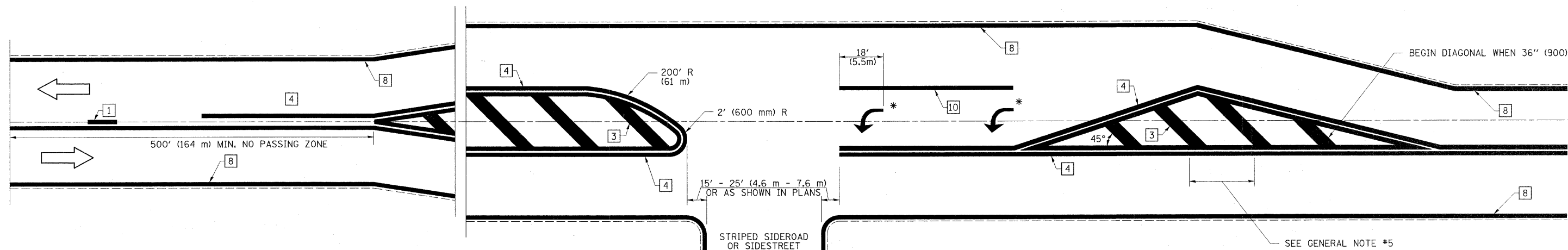
1. RAISED AND CORRUGATED MEDIANS SHALL BE OUTLINED WITH [2] IF PRESENT.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING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



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

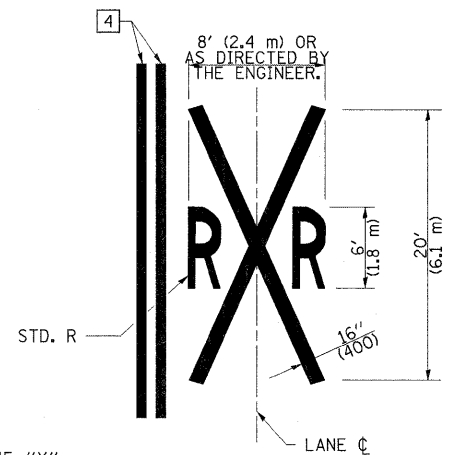
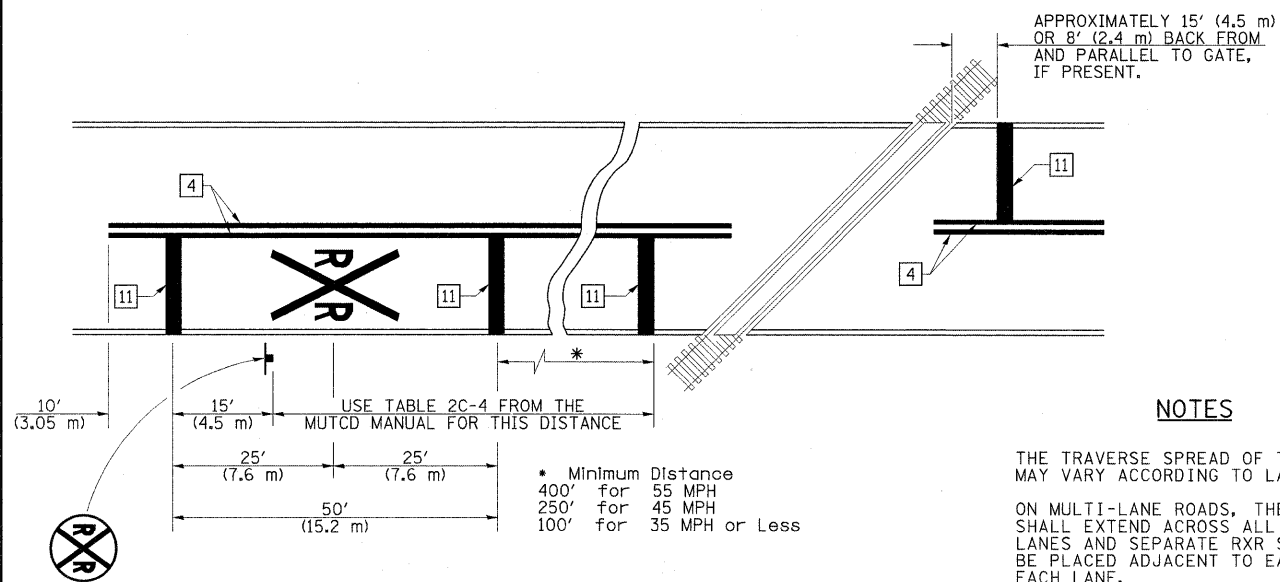
Note: All dimensions are in INCHES (millimeters) unless otherwise shown.

• (58-20)(48-X-2)RS-1 & 128RS-3

DISTRICT 7 DETAIL NO. 78000001

FILE NAME =	USER NAME = swartzrw	DESIGNED -	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.
ct:\pw\work\XPWIDOT\SWARTZRW\0146320\07	4405-sht-details.dgn	DRAWN -	REVISED -				714	.	MACON	100	80
	PLOT SCALE = 20,0000 "/ IN.	CHECKED -	REVISED -				CONTRACT NO. 74405				
	PLOT DATE = 1/19/2010	DATE -	REVISED -				ILLINOIS FED. AID PROJECT				
					SCALE: NA	SHEET NO. 3 OF 5 SHEETS	STA.	TO STA.			

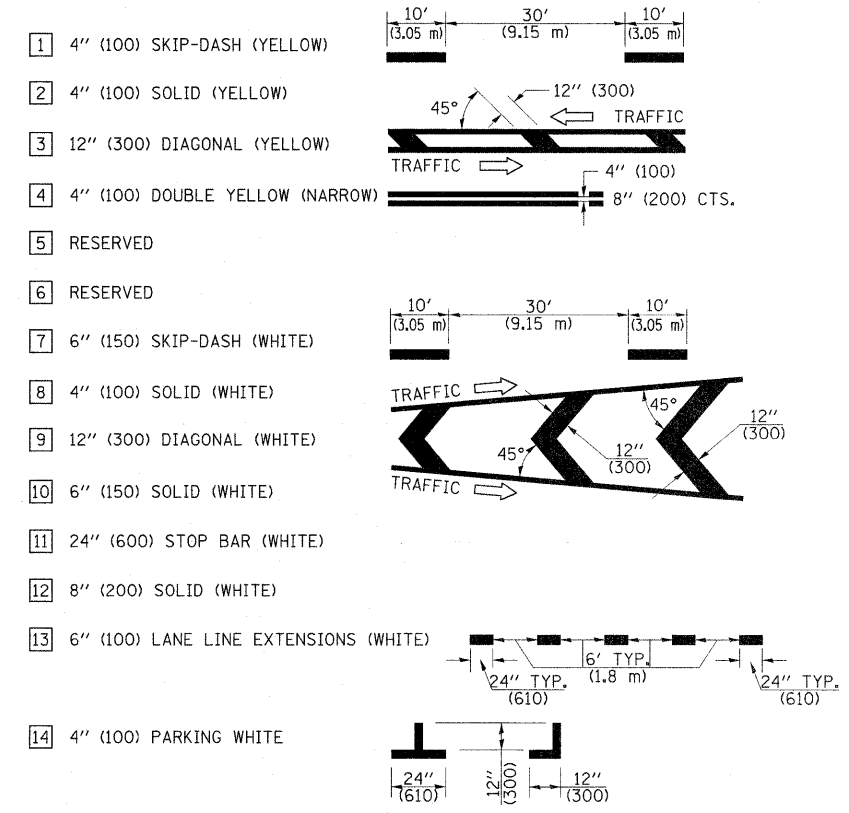
PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING



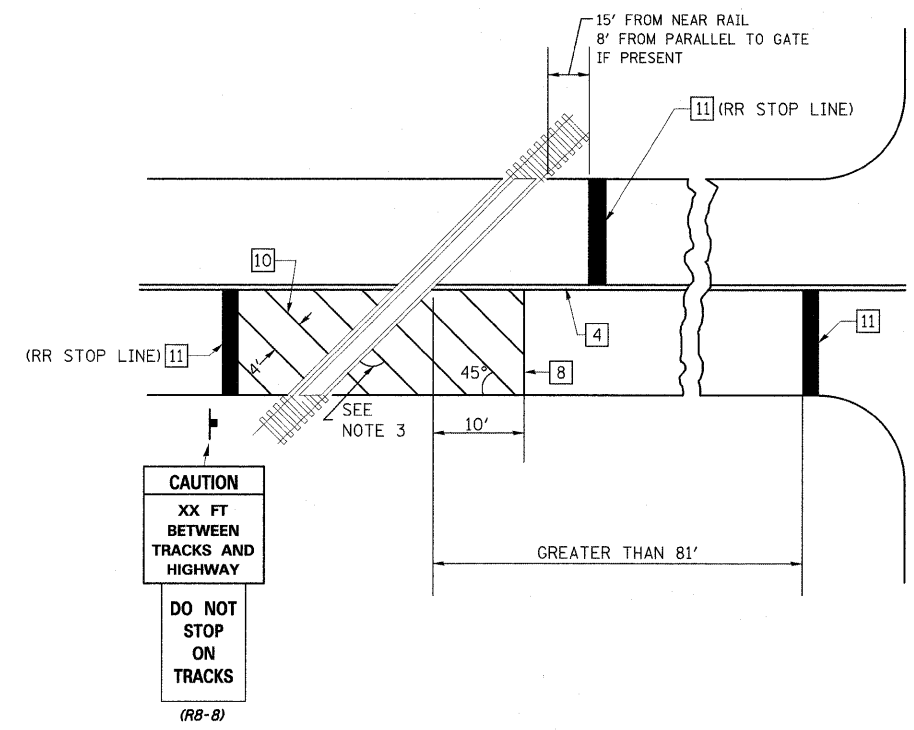
NOTES

THE TRAVERSE SPREAD OF THE "X" MAY VARY ACCORDING TO LANE WIDTH.
 ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LINES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.
 WHEN THE PAVEMENT MARKING SYMBOL IS USED, A PORTION OF THE SYMBOL SHOULD BE LOCATED DIRECTLY ADJACENT TO THE ADVANCE WARNING SIGN (W10-1) AS PLACED BY TABLE II-1, CONDITION B OF THE MUTCD.

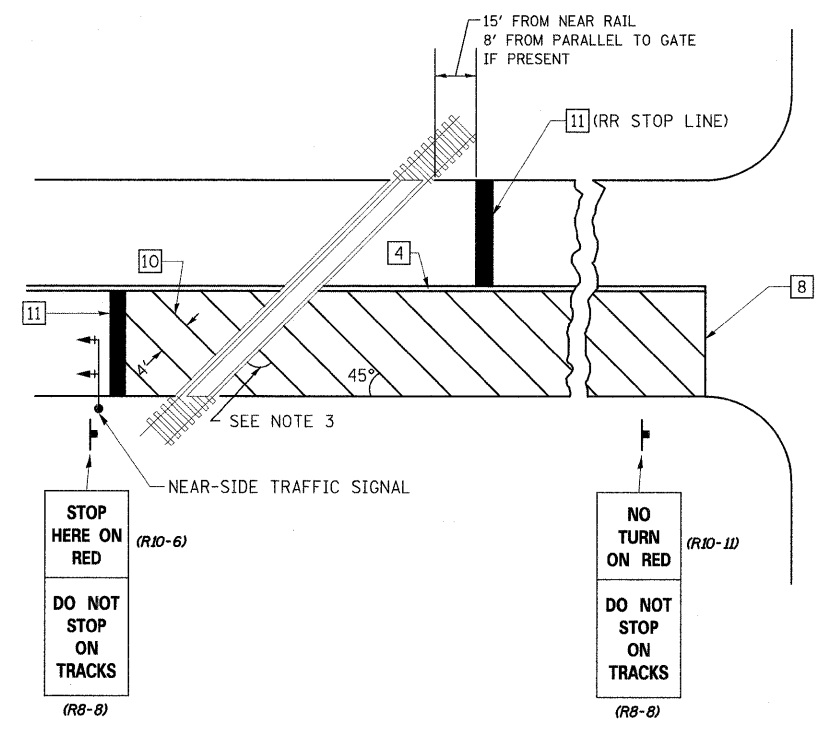
PAVEMENT MARKING LEGEND



RAILROAD CROSSING WITH INTERCONNECT ONLY



RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



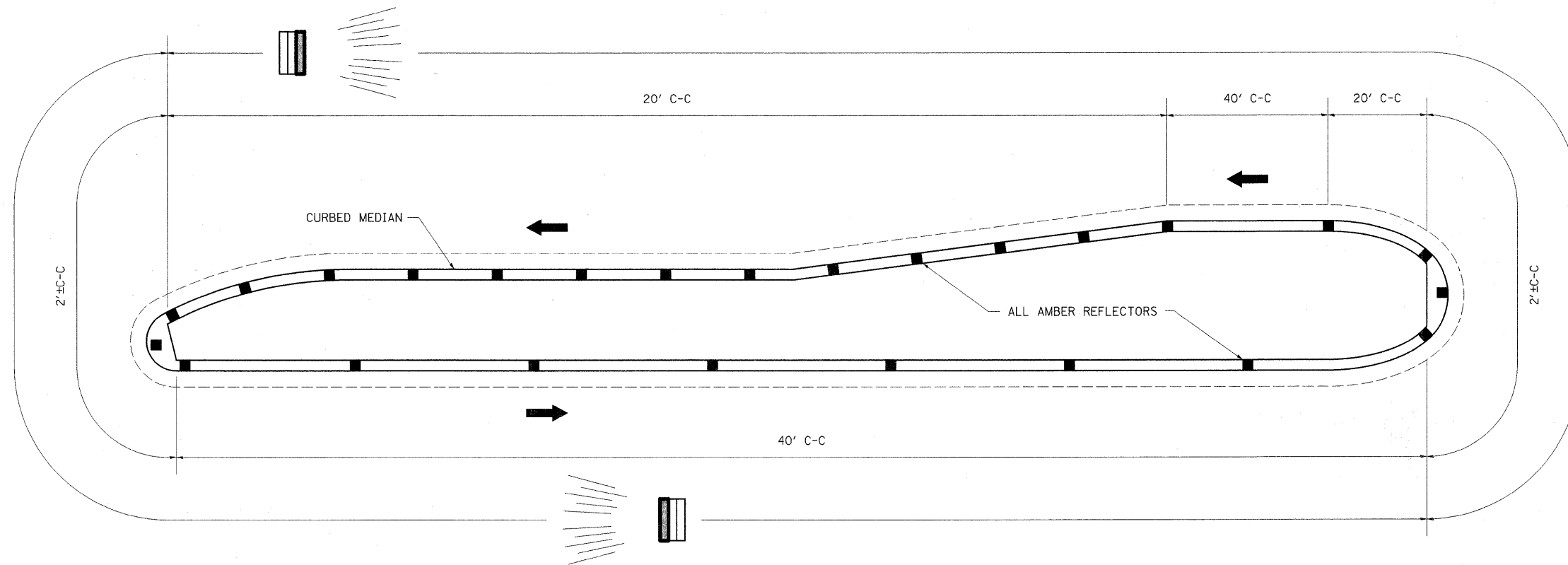
GENERAL NOTES

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

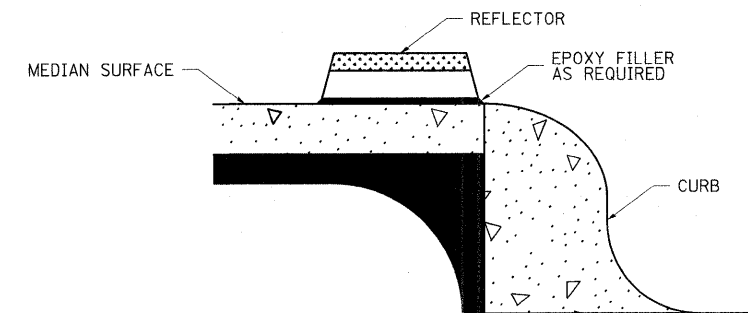
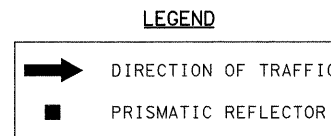
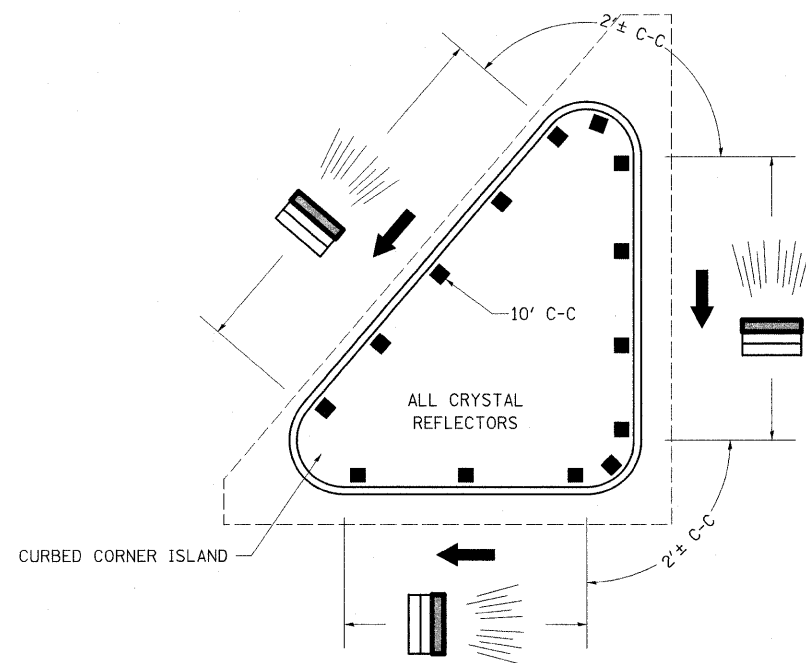
SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

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

TYPICAL PLACEMENT OF PRISMATIC CURB REFLECTORS



1. PRISMATIC REFLECTORS SHALL BE MONO-DIRECTIONAL AND POSITIONED SO THAT THE REFLECTIVE FACE IS FACING THE APPROACHING TRAFFIC.
2. PRISMATIC REFLECTORS SHALL BE SECURED IN PLACE WITH AN EPOXY ADHESIVE.
3. PRISMATIC REFLECTORS SHALL BE EITHER AMBER OR CRYSTAL IN COLOR.
4. REFER TO SCHEDULES FOR PRISMATIC REFLECTOR QUANTITIES.
5. USE A MINIMUM OF 3 REFLECTORS ON ISLAND NOSES.



SECTION VIEW

NOT TO SCALE

• (58-20)(48-X-2)RS-1 & 128RS-3

DISTRICT 7 DETAIL NO. 78200300

FILE NAME =	USER NAME = swartzrw
cs:\pwork\pwork\DOT\SWARTZRW\08146320\0774405-sht-details.dgn	
PLOT SCALE = 20.0000' / 1"	
PLOT DATE = 1/19/2010	

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

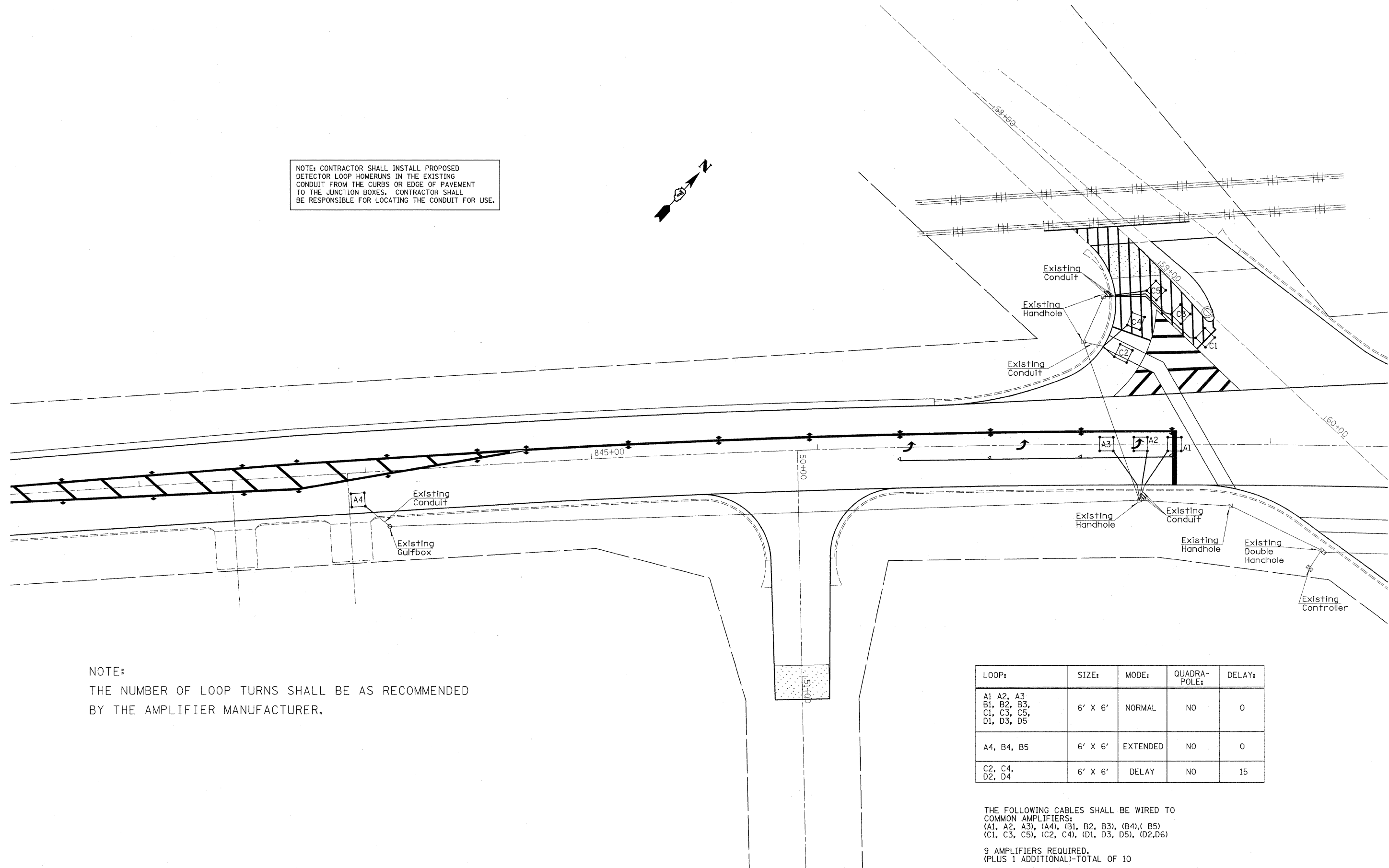
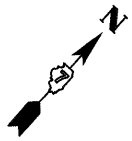
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PRISMATIC CURB REFLECTOR

SCALE: NA SHEET NO. 5 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714		MACON	100	82
CONTRACT NO. 74405				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

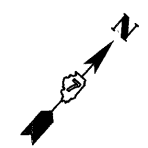
NOTE: CONTRACTOR SHALL INSTALL PROPOSED DETECTOR LOOP HOMERUNS IN THE EXISTING CONDUIT FROM THE CURBS OR EDGE OF PAVEMENT TO THE JUNCTION BOXES. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING THE CONDUIT FOR USE.



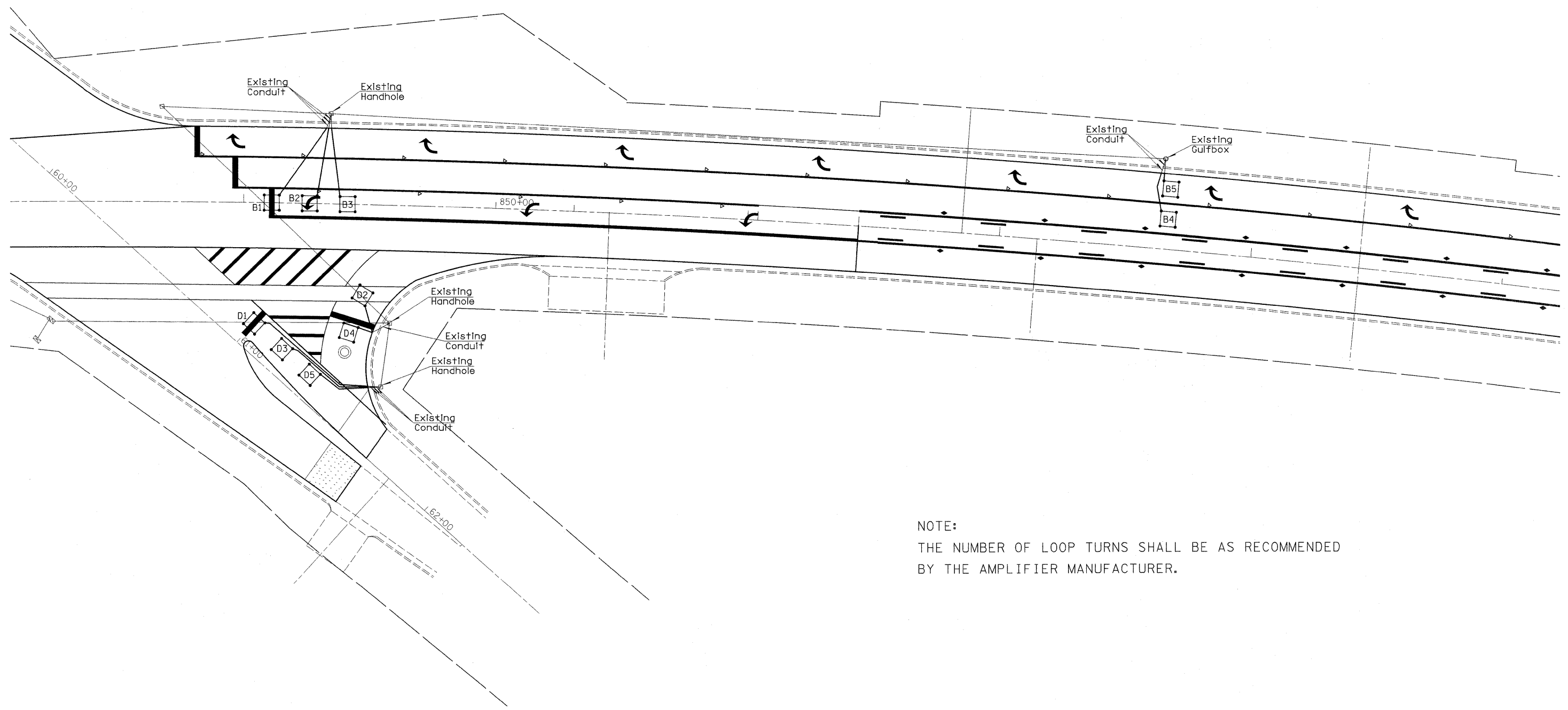
NOTE:
THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER.

LOOP:	SIZE:	MODE:	QUADRA-POLE:	DELAY:
A1, A2, A3 B1, B2, B3, C1, C3, C5, D1, D3, D5	6' X 6'	NORMAL	NO	0
A4, B4, B5	6' X 6'	EXTENDED	NO	0
C2, C4, D2, D4	6' X 6'	DELAY	NO	15

THE FOLLOWING CABLES SHALL BE WIRED TO COMMON AMPLIFIERS:
(A1, A2, A3), (A4), (B1, B2, B3), (B4), (B5), (C1, C3, C5), (C2, C4), (D1, D3, D5), (D2, D6)
9 AMPLIFIERS REQUIRED.
(PLUS 1 ADDITIONAL)-TOTAL OF 10



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



NOTE:
THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER.

FILE NAME = c:\pw_work\PWIDOT\SWARTZRW\d0146337\07	USER NAME = swartzrw 4405-shr-TS.dgn	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL RTE 48 & ROCK SPRINGS DRIVE DETECTOR LOOP PROPOSED LAYOUT		F.A.P. RTE. 714	SECTION .	COUNTY MACON	TOTAL SHEETS 100	SHEET NO. 84	
PLOT SCALE = 20,0000' / IN.		CHECKED -	REVISED -		SCALE: 1"=20'	SHEET NO. 2 OF 8 SHEETS	STA. TO STA.	CONTRACT NO. 74405		ILLINOIS FED. AID PROJECT		
PLOT DATE = 1/19/2010		DATE -	REVISED -									
* (58-20)(48X-2)RS-1 & 128 RS-3												

LOOP:	SIZE:	MODE:	QUADRA-POLE:	DELAY:
A1, A2, A4, A5, A6, A7 B1, B2, B4, B5, B6, B7 C1, C3, C4, C5, C6, C7	6' X 6'	NORMAL	NO	0
A8, A9, A10, A11 B8, B9, C8, C9, C10, C11, C12, C13	6' X 6'	EXTENDED	NO	0
A3	14' X 6'	DELAY	NO	15
B3	6' X 6'	DELAY	NO	15
C3	10' X 6'	DELAY	NO </tr	

THE FOLLOWING CABLES SHALL BE WIRED TO COMMON AMPLIFIERS:
 (A1, A4, A6), (A2, A5, A7), (A3), (A8), (A9), (A10), (A11),
 (B1, B4, B6), (B2, B5, B7), (B3), (B8), (B9),
 (C1, C4, C6), (C2, C5, C7), (C3), (C8), (C9), (C10), (C11), (C12), (C13),
 21 AMPLIFIERS REQUIRED.
 (PLUS 1 ADDITIONAL)-TOTAL OF 22

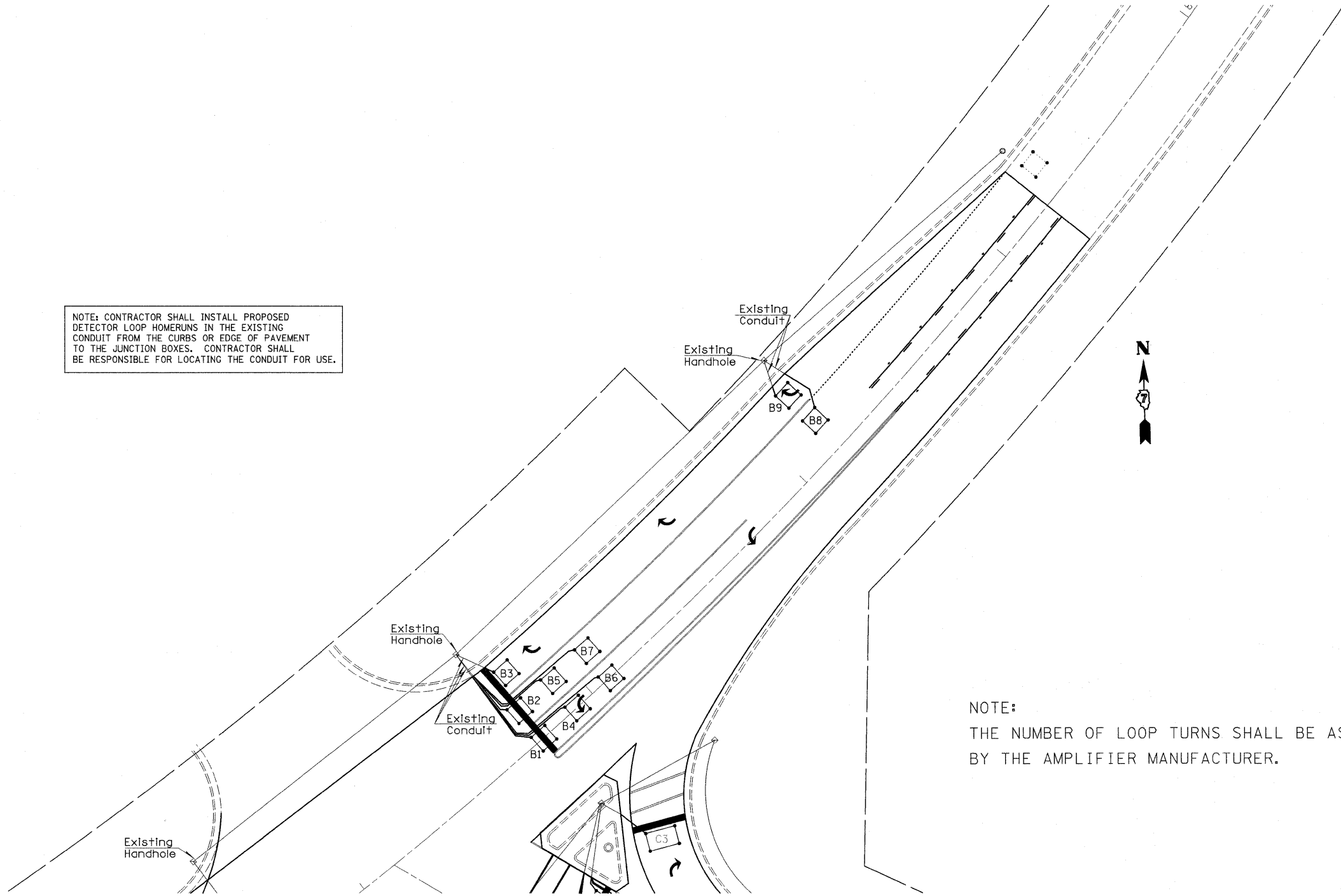
NOTE: CONTRACTOR SHALL INSTALL PROPOSED DETECTOR LOOP HOMERUNS IN THE EXISTING CONDUIT FROM THE CURBS OR EDGE OF PAVEMENT TO THE JUNCTION BOXES. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING THE CONDUIT FOR USE.

NOTE:
 * LOOP A3-14' X 6'
 ** LOOP C3-10' X 6'

NOTE:
 THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER.

FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL RTE 48 & IL RTE 105 DETECTOR LOOP PROPOSED LAYOUT	F.A.P. RTE. 714	SECTION *	COUNTY MACON	TOTAL SHEETS 100	SHEET NO. 85		
c:\pwwork\NPWIDOT\SWARTZRW\d0146337\074405-shd-TS.dgn	PLOT SCALE = 20.0000' / IN.	DRAWN -	REVISED -			SCALE: 1"=20'	SHEET NO. 3 OF 8 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT			
PLOT DATE = 1/19/2010	DATE -	CHECKED -	REVISED -			CONTRACT NO. 74405						
* (58-20)(48X-2)RS-1 & 128 RS-3												

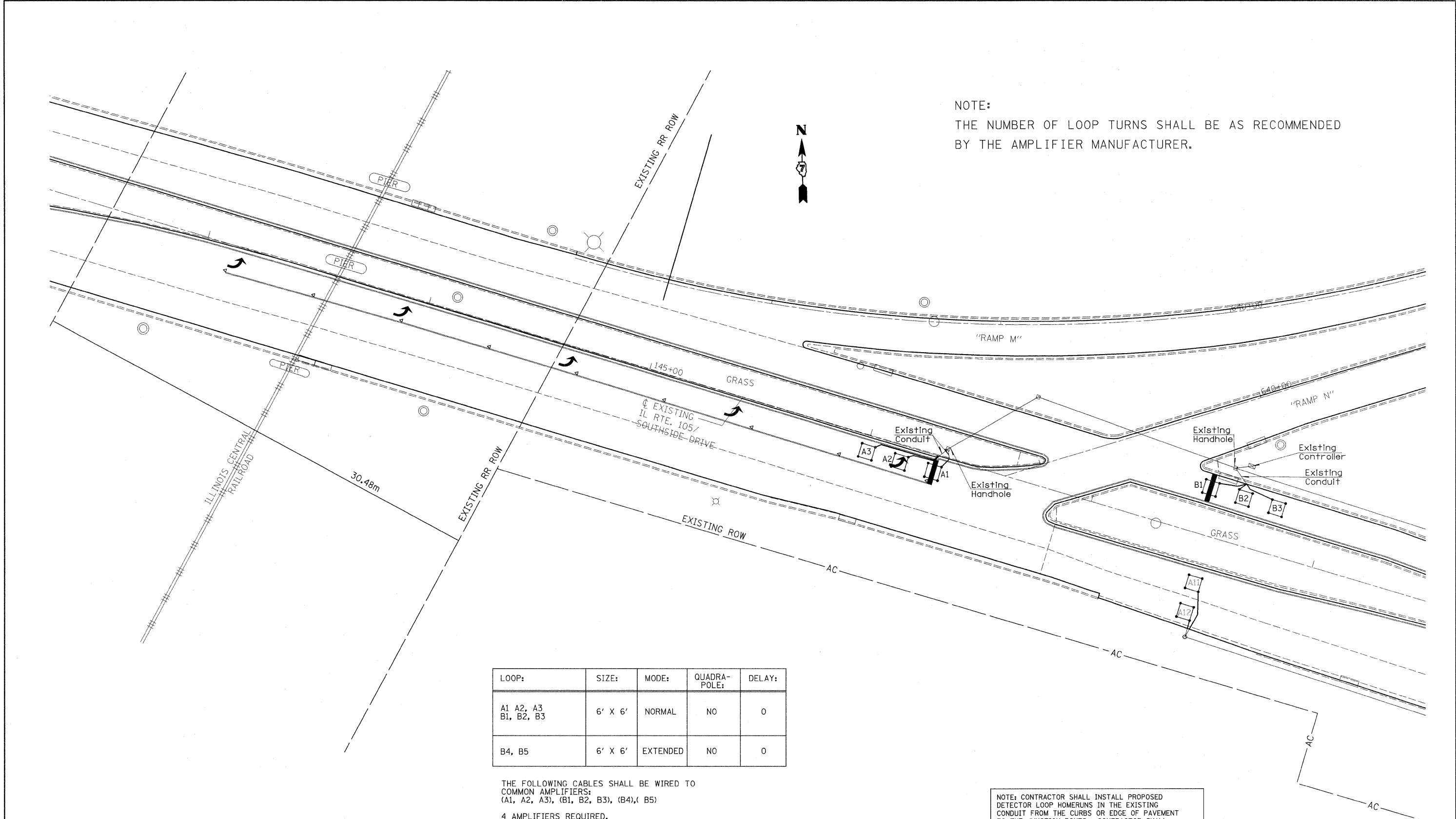
NOTE: CONTRACTOR SHALL INSTALL PROPOSED DETECTOR LOOP HOMERUNS IN THE EXISTING CONDUIT FROM THE CURBS OR EDGE OF PAVEMENT TO THE JUNCTION BOXES. CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING THE CONDUIT FOR USE.



NOTE:
THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER.

FILE NAME =	USER NAME = swartzrw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL RTE 48 & IL RTE 105 DETECTOR LOOP PROPOSED LAYOUT	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pw_work\PIWIDOT\SWARTZRW\d0146337\074405-shd-TS.dgn		DRAWN -	REVISED -			714	*	MACON	100	86	
PLOT SCALE = 20,0000' / IN.		CHECKED -	REVISED -			CONTRACT NO. 74405		ILLINOIS FED. AID PROJECT			
PLOT DATE = 1/19/2010		DATE -	REVISED -			SCALE: 1"=20'	SHEET NO. 4 OF 8 SHEETS	STA.	TO STA.		

• (58-20)(48X-2)RS-1 & 128 RS-3

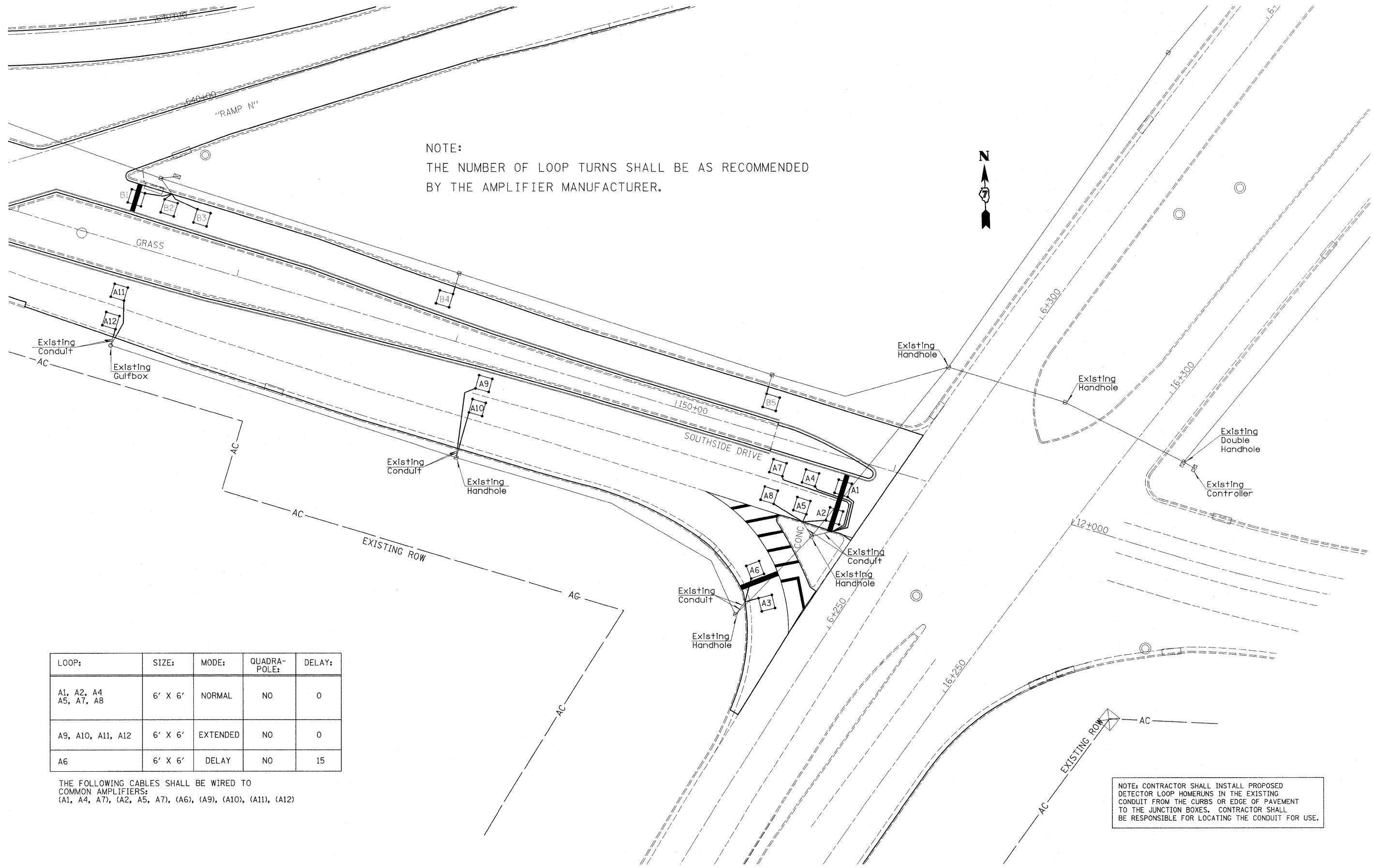


NOTE:
THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED
BY THE AMPLIFIER MANUFACTURER.

LOOP:	SIZE:	MODE:	QUADRA- POLE:	DELAY:
A1, A2, A3 B1, B2, B3	6' X 6'	NORMAL	NO	0
B4, B5	6' X 6'	EXTENDED	NO	0

THE FOLLOWING CABLES SHALL BE WIRED TO
COMMON AMPLIFIERS:
(A1, A2, A3), (B1, B2, B3), (B4), (B5)
4 AMPLIFIERS REQUIRED.
(PLUS 2 ADDITIONAL)-TOTAL OF 6

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



NOTE:
THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED
BY THE AMPLIFIER MANUFACTURER.



LOOP:	SIZE:	MODE:	QUADRA- POLE:	DELAY:
A1, A2, A4 A5, A7, A8	6' X 6'	NORMAL	NO	0
A9, A10, A11, A12	6' X 6'	EXTENDED	NO	0
A6	6' X 6'	DELAY	NO	15

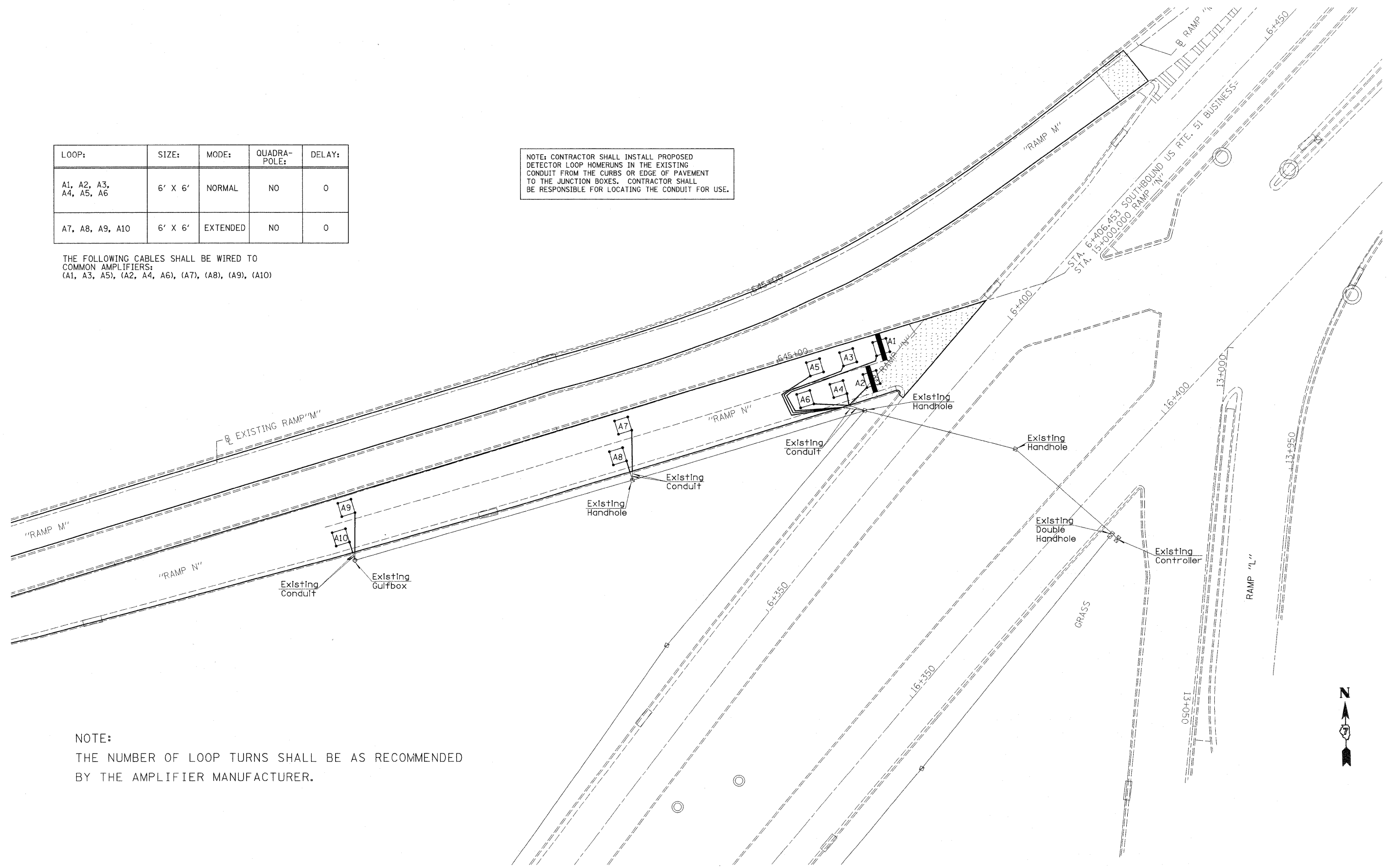
THE FOLLOWING CABLES SHALL BE WIRED TO
COMMON AMPLIFIERS:
(A1, A4, A7), (A2, A5, A7), (A6), (A9), (A10), (A11), (A12)

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

LOOP:	SIZE:	MODE:	QUADRA-POLE:	DELAY:
A1, A2, A3, A4, A5, A6	6' X 6'	NORMAL	NO	0
A7, A8, A9, A10	6' X 6'	EXTENDED	NO	0

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

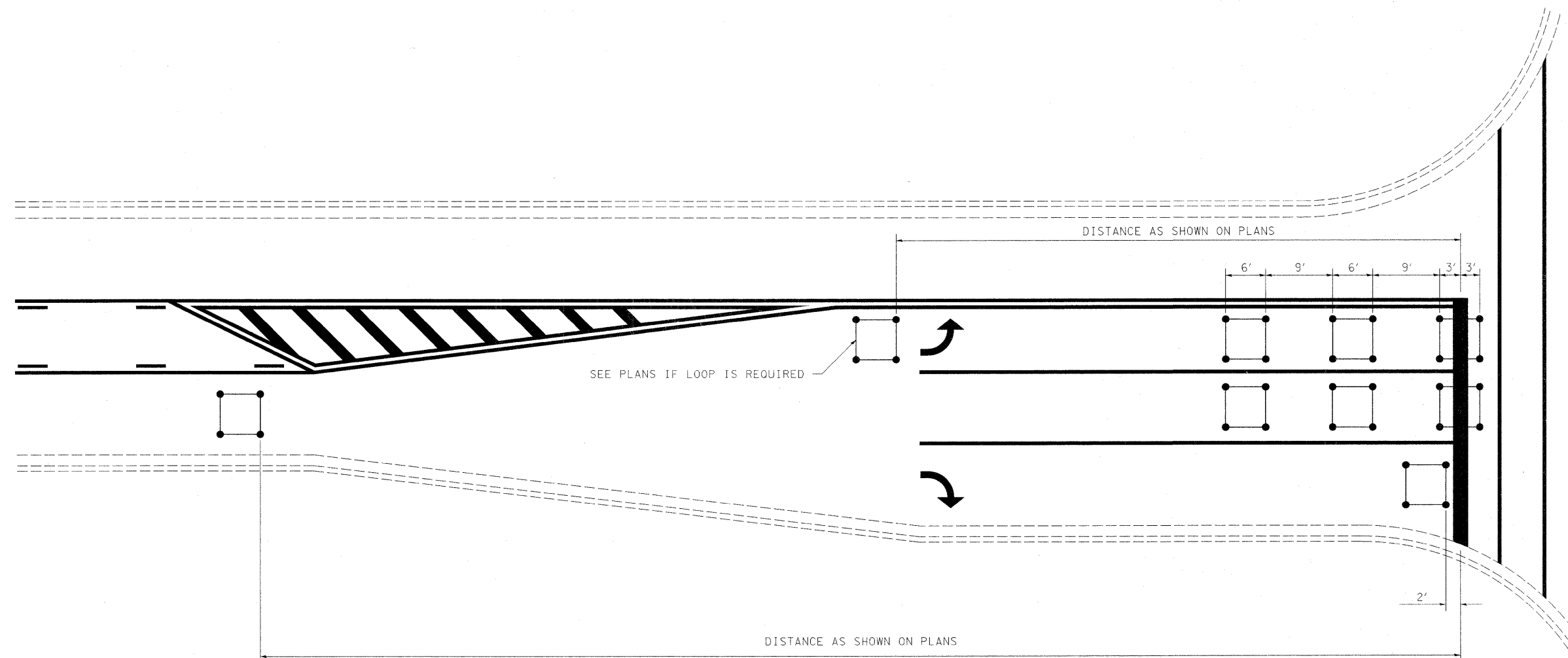
THE FOLLOWING CABLES SHALL BE WIRED TO COMMON AMPLIFIERS:
(A1, A3, A5), (A2, A4, A6), (A7), (A8), (A9), (A10)



NOTE:
THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER.

FILE NAME =	USER NAME = swartzw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US BUS 51 & IL RTE 105 RAMPS DETECTOR LOOP PROPOSED LAYOUT	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pw\work\PMIDOT\SWARTZRW\0146337\07	4485-sht-TS.dgn	DRAWN -	REVISED -			714	.	MACON	100	89	
	PLOT SCALE = 20,0000' / IN.	CHECKED -	REVISED -			CONTRACT NO. 74405					
	PLOT DATE = 1/19/2010	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE: 1"=20'	SHEET NO. 7 OF 8 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 = swartzrw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL APPLICATION OF DETECTOR LOOPS			F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct\pw_work\PMIDOT\SWARTZRW\0146337\07	4405-shr-TS.dgn	DRAWN -	REVISED -		SCALE: NA	SHEET NO. 8	OF 8	SHEETS	STA.	TO STA.	MACON	100	90
	PLOT SCALE = 20,000' / IN.	CHECKED -	REVISED -								CONTRACT NO. 74405		
	PLOT DATE = 1/19/2010	DATE -	REVISED -								ILLINOIS FED. AID PROJECT		

GENERAL NOTES

Reinforcement bars shall conform to the requirements of ASTM A 706 Grade 60. See Special Provisions.

Reinforcement bars designated (E) shall be epoxy coated.

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

Existing reinforcement bars extending into the removal area shall be cleaned, straightened and incorporated into the new construction. Any reinforcement bars that are damaged during concrete removal operations shall be repaired or replaced using an approved bar splicer or anchorage system. Cost included in concrete removal.

Joint openings shall be adjusted according to Article 520.04 of the Standard Specifications when the deck is poured at an ambient temperature other than 50°F.

Removal and reinstallation of the existing name plate on the structure will be necessary for construction of the expansion joint. This work and all materials shall be included in the contract unit price for Relocating Name Plates.

Removal and replacement of the end handrail sections and support posts at both abutments will be necessary for construction at the expansion joints. The existing handrail sections and support posts shall be reused. New bolts, shim plates, and post support anchor assemblies as detailed in the plans are to be provided and installed for the replacement of the handrail and supports. This work and all materials shall be included in the contract unit price for Concrete Superstructure.

It will be the responsibility of AT&T to provide support and protection of their facilities during construction. The Contractor shall notify AT&T two weeks prior to beginning construction. Following is the contact information:

AT&T
2250 N. Jasper
Decatur, IL 62521

Contact: Tom Long
Business: (217) 429-8596
Mobile: (217) 358-0711
Pager: (217) 252-3541
Fax: (217) 429-8393

TOTAL BILL OF MATERIALS

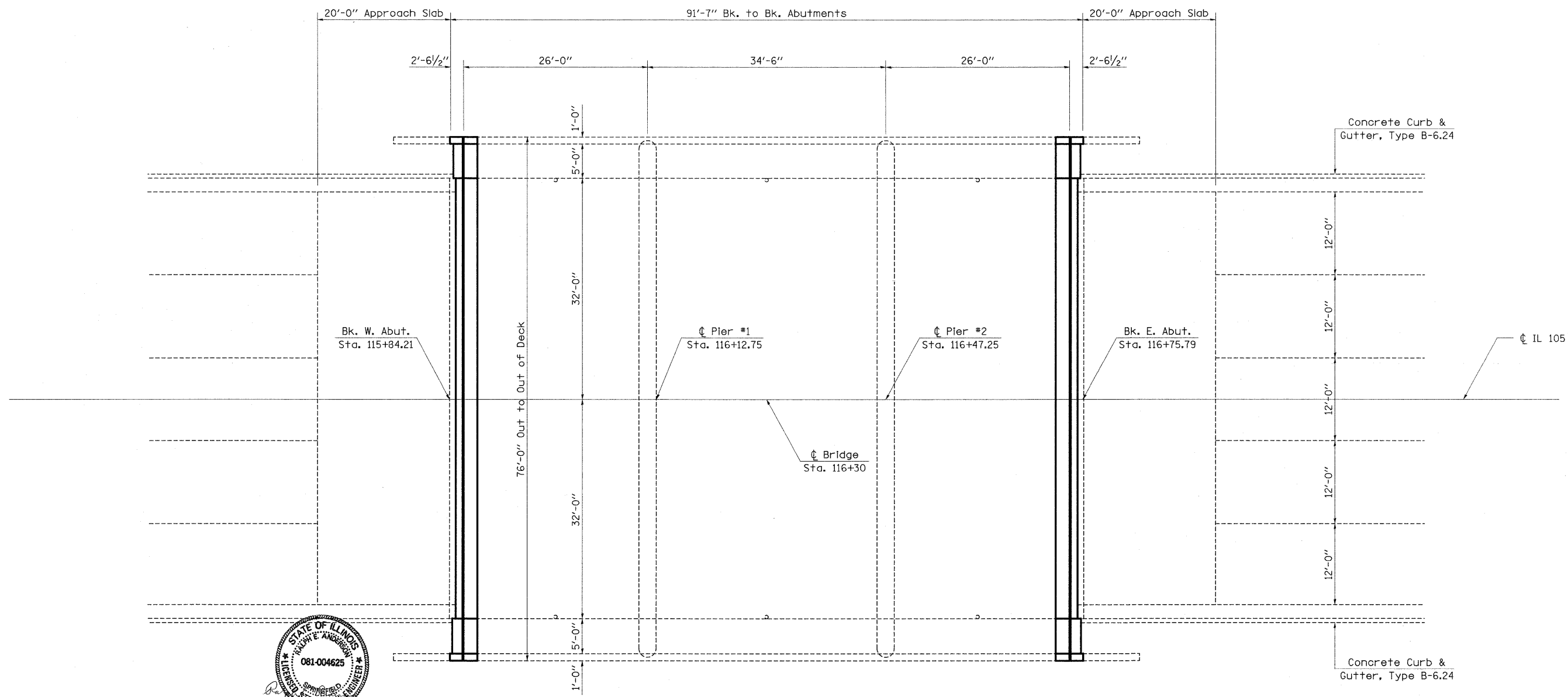
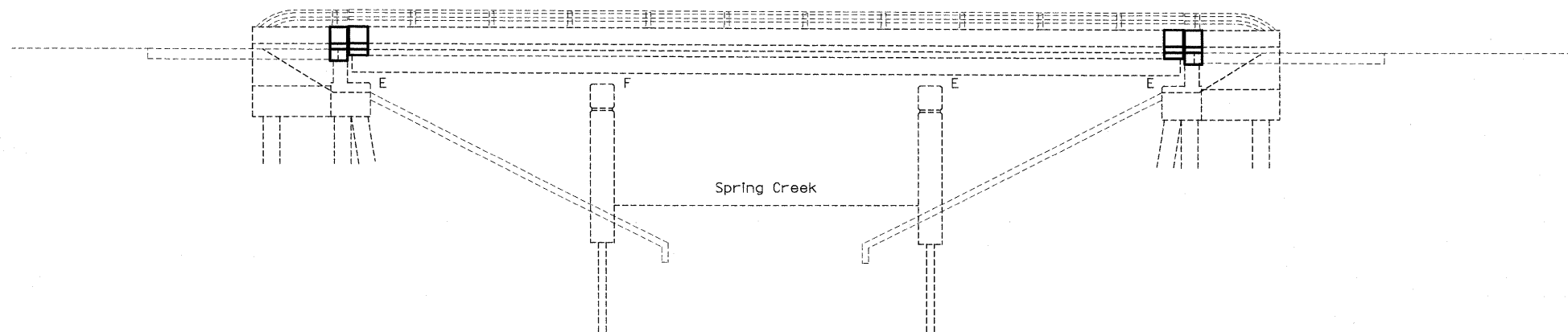
SN 058-0112

DESCRIPTION		QUANTITY
CONCRETE REMOVAL	CU YD	20.7
CONCRETE SUPERSTRUCTURE	CU YD	20.7
REINFORCEMENT BARS, EPOXY COATED	POUND	2800
BAR SPLICERS	EACH	48
PREFORMED JOINT STRIP SEAL	FOOT	153.0
RELOCATING NAME PLATES	EACH	1
FURNISHING & ERECTING STRUCTURAL STEEL	POUND	2320
ANCHOR BOLTS, 1"Ø	EACH	40
ELASTOMERIC BEARING ASSEMBLY, TYPE I	EACH	20
JACK AND REMOVE EXISTING BEARINGS	EACH	20

• (58-20)(48X-2)RS-1 & 128RS-3

FILE NAME =	USER NAME = swartzrw	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES & BILL OF MATERIALS S.N. 058-0112	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ci:\pw_work\PIWIDOT\SWARTZRW\0146337\07405-shr-brgenote.dgn		DRAWN - KLB	REVISED -			714	*	MACON	100	91	
	PLOT SCALE = 20.0000' / IN.	CHECKED - MEA	REVISED -			CONTRACT NO. 74405					
	PLOT DATE = 1/19/2010	DATE - 12/29/09	REVISED -			SCALE: NA	SHEET NO. 1 OF 9 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT	

The existing 3 span multi-beam structure was constructed in 1980 as section 128BR at Sta. 116+30 and widened in 1989 as section 128BY. SN. 058-0112 carries IL 105 over Spring Creek. The proposed project consists of new expansion joints and replacement of the abutment bearings.



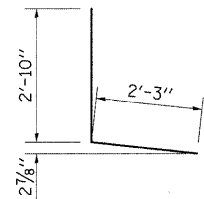
FILE NAME =	USER NAME = swartzr	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL PLAN & ELEVATION SN. 058-0112		F.A.P. RTE. 714	SECTION *	COUNTY MACON	TOTAL SHEETS 100	SHEET NO. 92	
es:\pw_work\PMWIDOT\SWARTZR\08146337.D7	4485-sht-brplnprfdgn	DRAWN - KLB	REVISED -		SCALE: NA	SHEET NO. 2 OF 9 SHEETS	STA.	TO STA.	CONTRACT NO. 74405			
	PLOT SCALE = 20.0000' / IN.	CHECKED - MEA	REVISED -		ILLINOIS FED. AID PROJECT							
	PLOT DATE = 1/19/2010	DATE - 12/29/09	REVISED -									

• (58-20X48X-2)RS-1 & 128RS-3

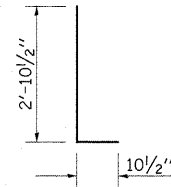
BILL OF MATERIAL

(ONE ABUTMENT ONLY)

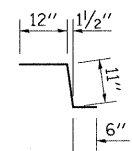
BAR	NUMBER OF BARS		TOTAL	SIZE	LENGTH	SHAPE
	STAGE I	STAGE II				
a(E)	16		16	#5	19'-6"	
a1(E)		8	8	#5	35'-8"	
c(E)	6		6	#5	2'-5"	
c1(E)	6		6	#5	5'-8"	
d(E)	6		6	#4	5'-1"	
d1(E)	6		6	#6	3'-9"	
d2(E)	4		4	#4	2'-0"	
h(E)	8		8	#6	18'-8"	
h1(E)		4	4	#6	35'-8"	
h2(E)	12		12	#5	3'-6"	
x(E)	30	37	67	#5	2'-7"	
CONCRETE REMOVAL					CU. YD.	10.35
REINFORCEMENT BARS (EPOXY COATED)					POUND	1400
CONCRETE SUPERSTRUCTURE					CU. YD.	10.35



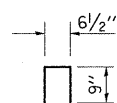
Bar d(E)



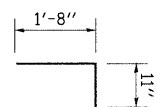
Bar d1(E)



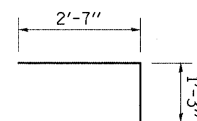
Bar c(E)



Bar d2(E)



Bar x(E)



Bar h2(E)

EXISTING PARTIAL PLAN

(West Abutment shown; East Abutment similar)

* Based on actual field measurements to construction joint:

NW Corner - 16"
NE Corner - 17"
SW Corner - 18"
SE Corner - 18"

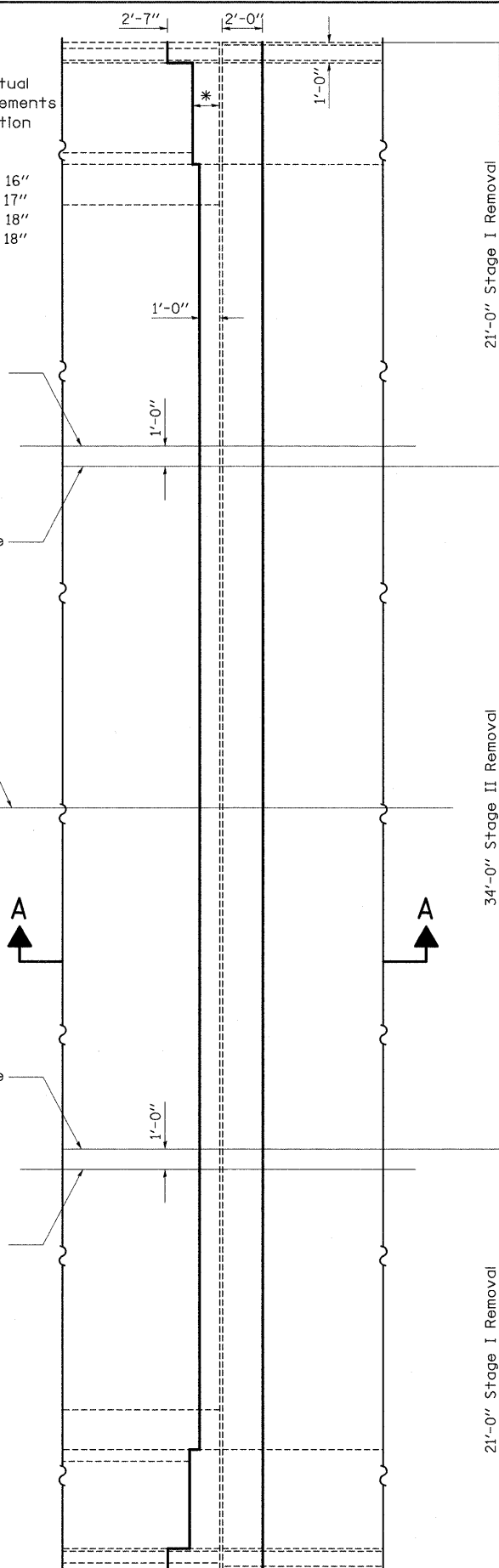
☉ Westbound

Stage Removal Line

☉ Roadway

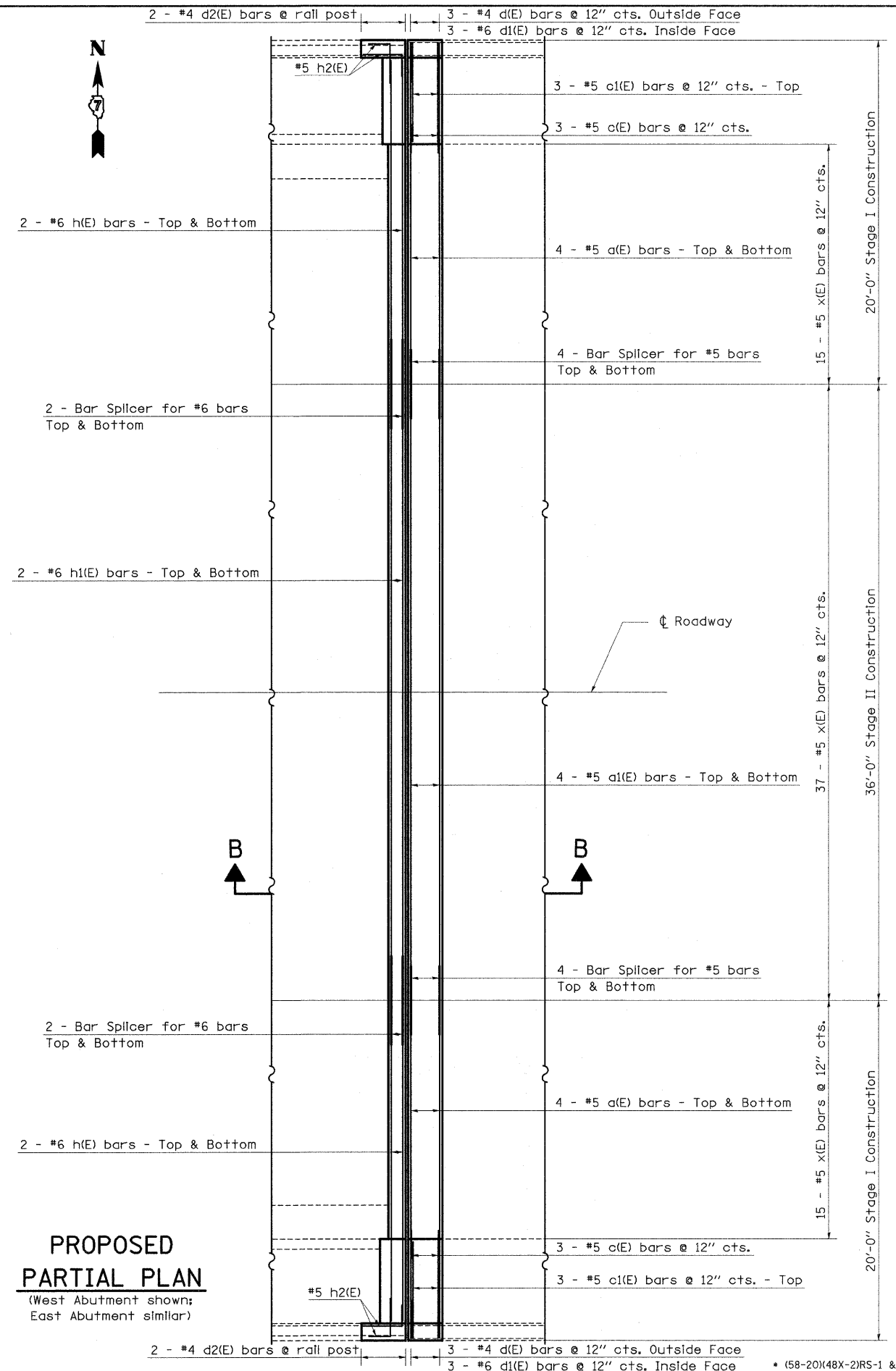
Stage Removal Line

☉ Eastbound



PROPOSED PARTIAL PLAN

(West Abutment shown; East Abutment similar)



FILE NAME =	USER NAME = swartzw	DESIGNED - KLB	REVISED -
ct:\pw\work\PIWIDOT\SWARTZRW\d0146337\07	4405-sht-brdetail.dgn	DRAWN - KLB	REVISED -
	PLOT SCALE = 20,0000' / 1"	CHECKED - MEA	REVISED -
	PLOT DATE = 1/19/2010	DATE - 12/29/09	REVISED -

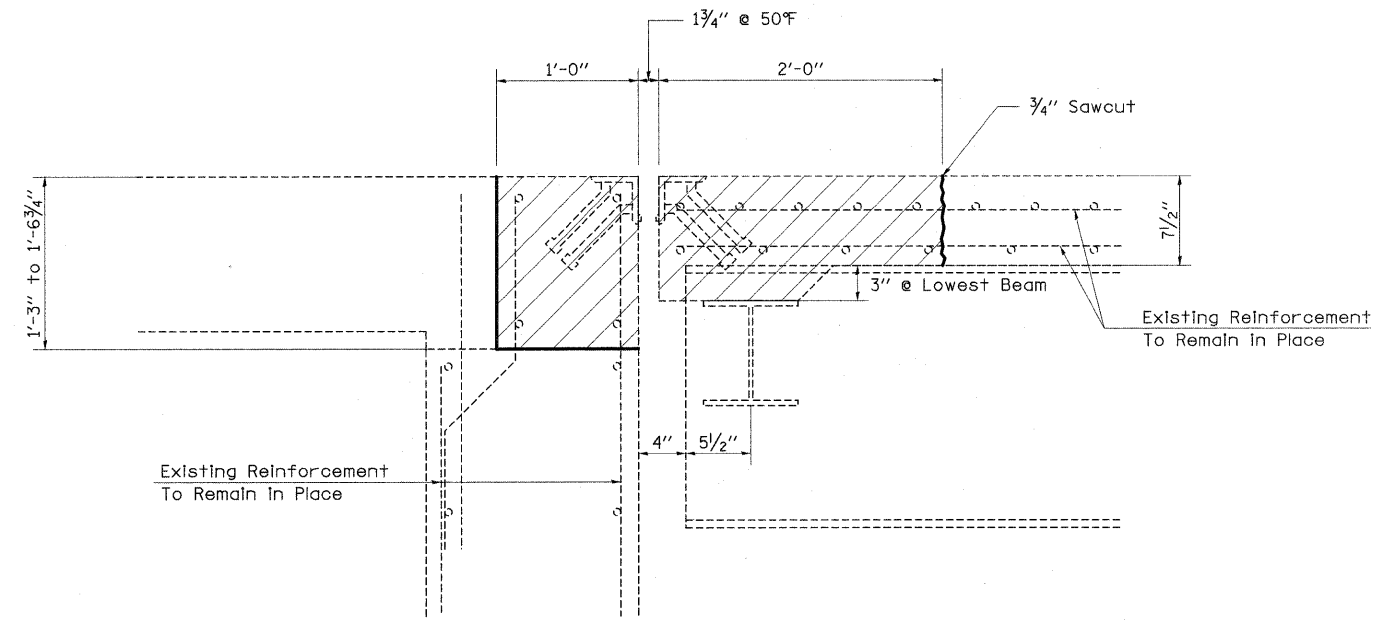
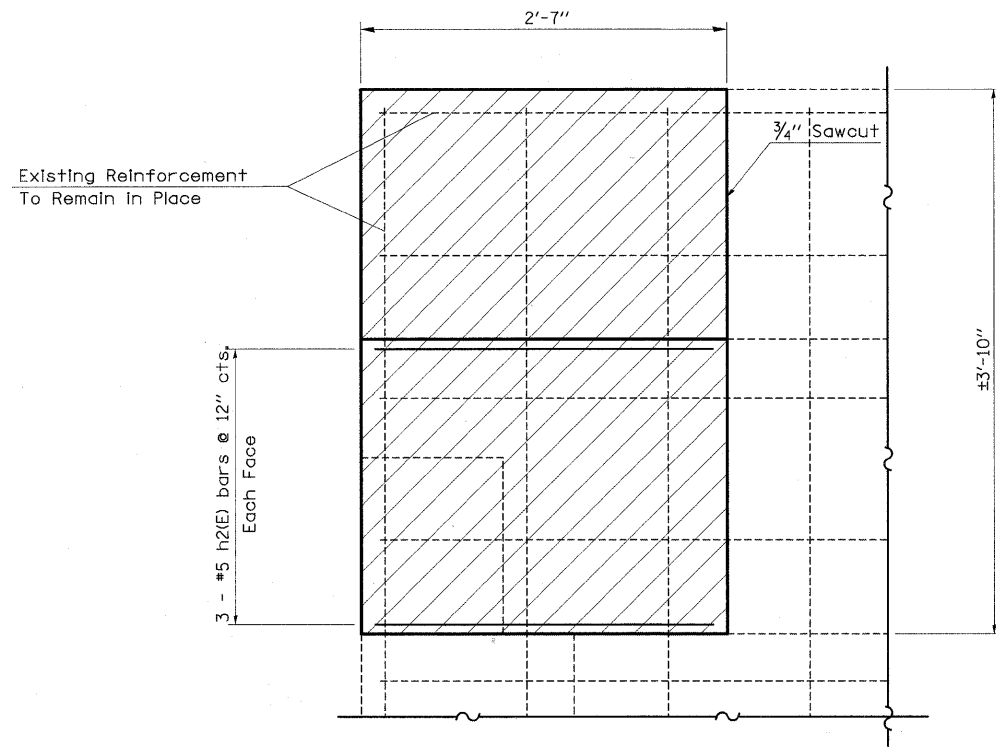
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXPANSION JOINT REPLACEMENT DETAIL
S.N. 058-0112

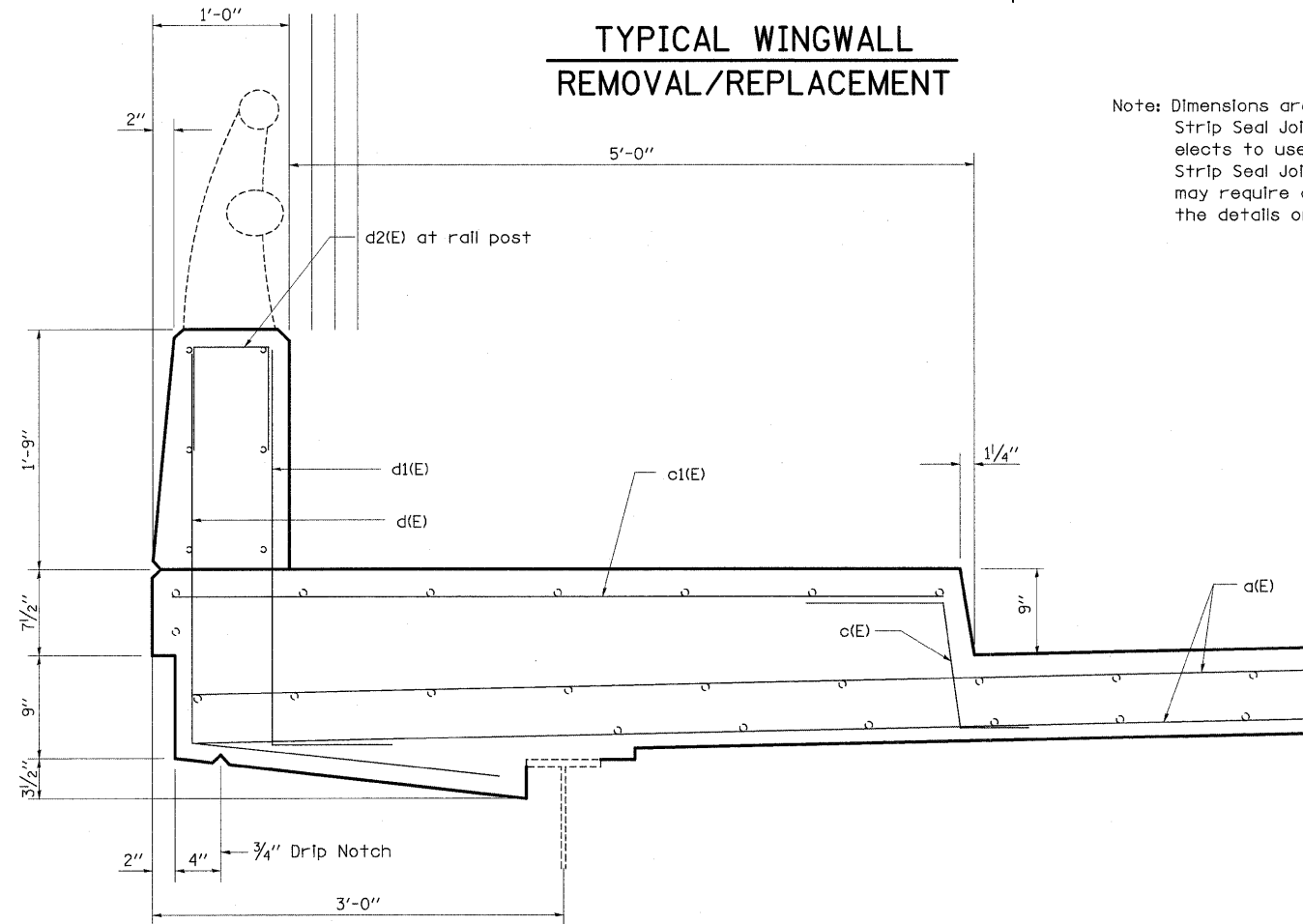
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	*	MACON	100	93
CONTRACT NO. 74405				
ILLINOIS FED. AID PROJECT				

SCALE: NA SHEET NO. 3 OF 9 SHEETS STA. TO STA.

(58-20)(48X-2)RS-1 & 128RS-3



**TYPICAL WINGWALL
REMOVAL/REPLACEMENT**



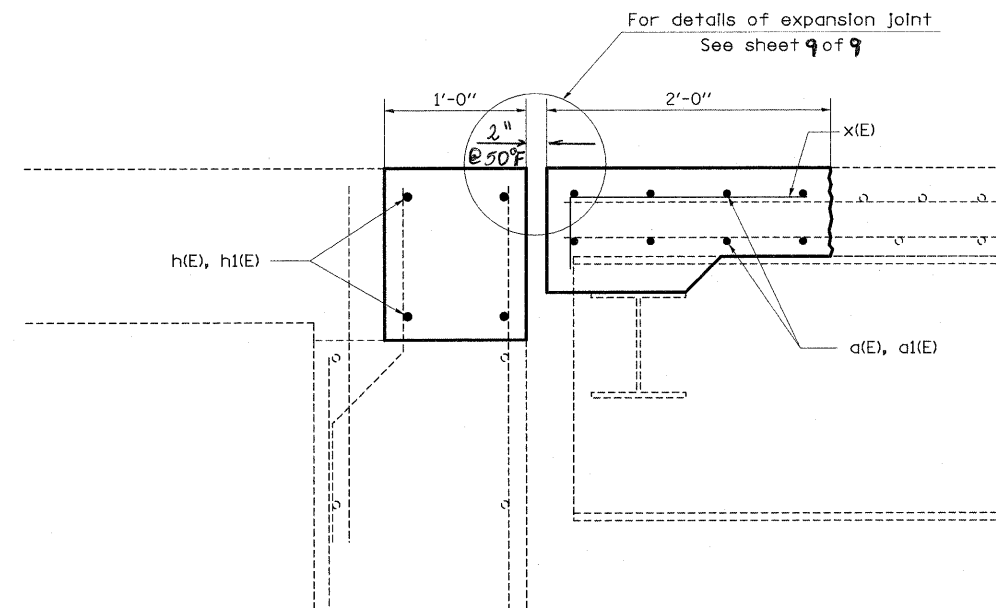
SECTION THRU PARAPET

Note: Dimensions are based on a Rolled Rail Strip Seal Joint. If the Contractor elects to use the Welded Rail Strip Seal Joint, deck dimensions may require adjustments to satisfy the details on Base Sheet EJ-SSJ.

SECTION A-A

(Dimensions at RT L's to end of deck)

- Existing Reinforcement
- Proposed Reinforcement



SECTION B-B

(Dimensions at RT L's to end of deck)

FILE NAME =	USER NAME = swartzrw	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXPANSION JOINT REPLACEMENT DETAILS		F.A.P. RTE. 714	SECTION *	COUNTY MACON	TOTAL SHEETS 100	SHEET NO. 94
c:\pwwork\pwwid01\SWARTZR\dwg\0146337.DWG	4485-shr-brdetails.dgn	DRAWN - KLB	REVISED -		S.N. 058-0112		SCALE: NA	SHEET NO. 4 OF 9 SHEETS	STA. TO STA.	CONTRACT NO. 74405	
	PLOT SCALE = 20.0000 / IN.	CHECKED - MEA	REVISED -				ILLINOIS FED. AID PROJECT				
	PLOT DATE = 1/19/2010	DATE - 12/29/09	REVISED -								

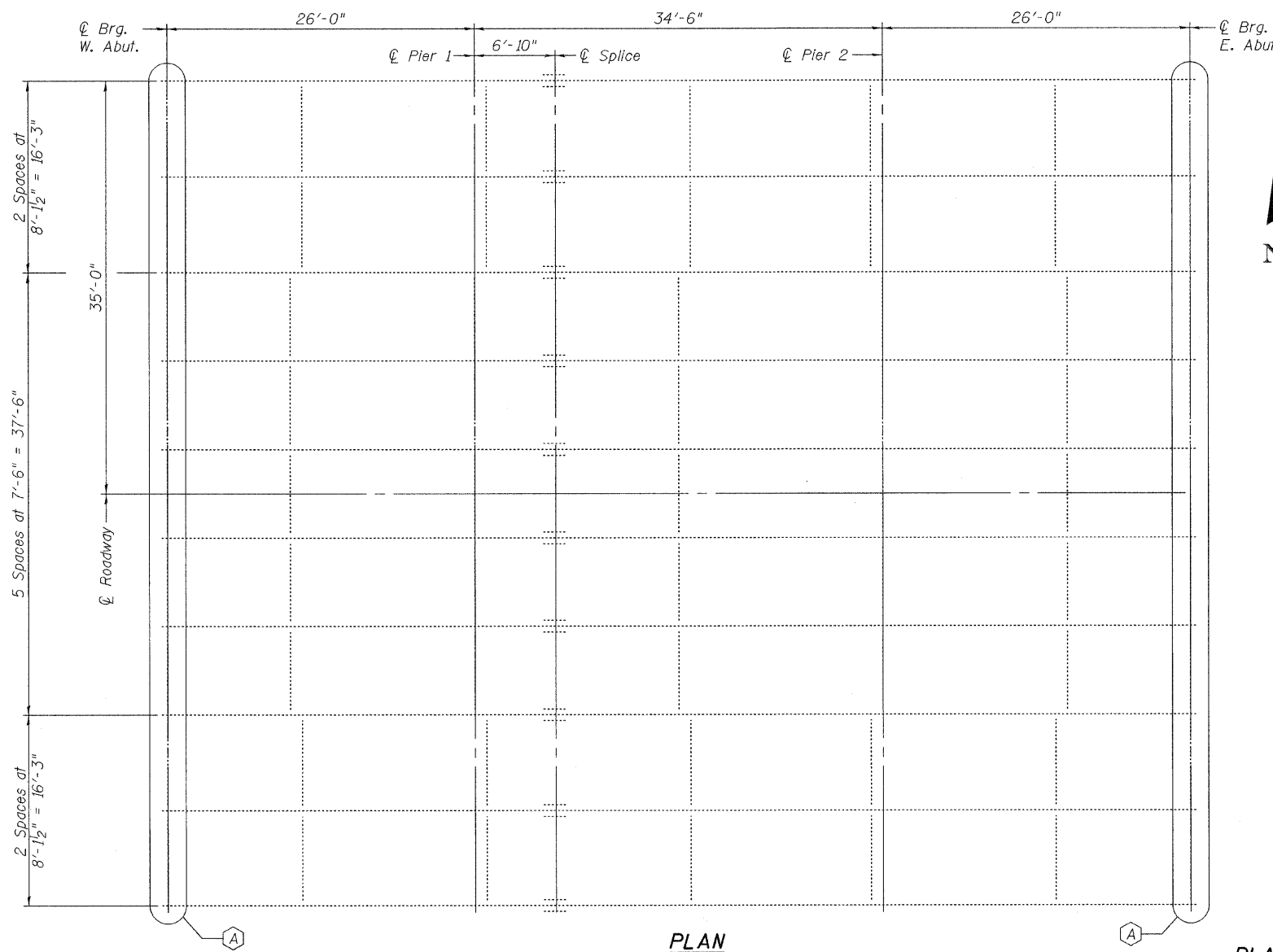
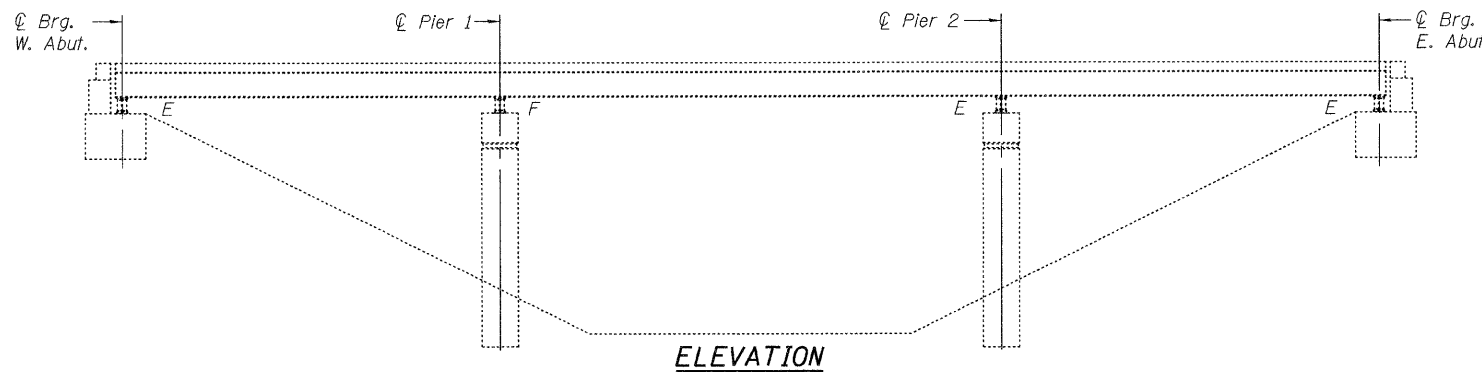
• (58-20)(48X-2)RS-1 & 128RS-3

GENERAL NOTES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

All structural steel shall conform to AASHTO Classification M-270 Gr. 36, unless otherwise noted.
Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.
Cost of removal and re-installation of all members necessary to complete the work as detailed on the plans and as specified in the Special Provisions shall be included with Furnishing and Erecting Structural Steel.

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



TOTAL BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly, Type I	Each	20
Jack and Remove Existing Bearings	Each	20
Furnishing and Erecting Structural Steel	Pound	2,320
Anchor Bolts 1"	Each	40

DESIGNED *Victor H. Voliz*
CHECKED *John B. ...*
DRAWN *...*
CHECKED *VHV JAB*

March 4, 2010
EXAMINED *R. Cal ...*
PASSED *Ralph E. Anderson*



Expires: November 30, 2010

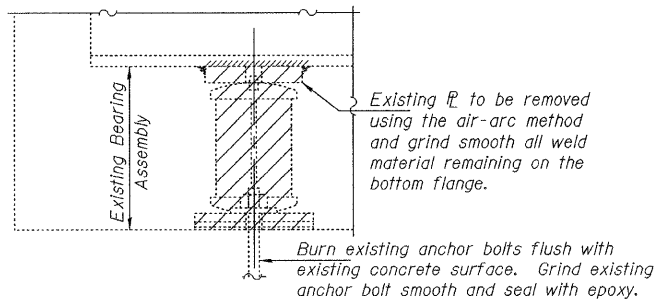
PLAN

(A) Existing bearings to be removed and replaced

PLAN AND ELEVATION
SN 058-0112

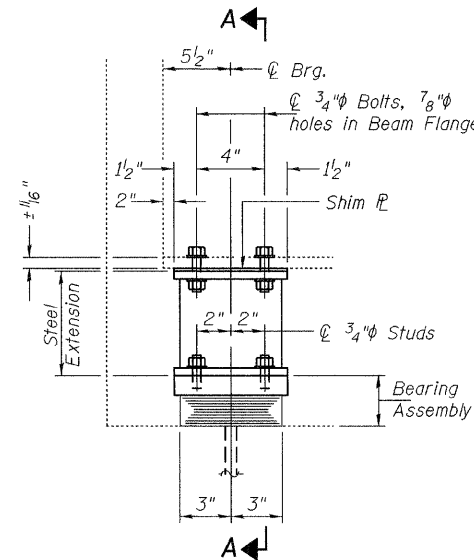
SHEET NO. 1 2 SHEETS	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	714	48X-2(W,RS), 128(W-1,RS-2) & 128BY	Macon	100	95
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT		
			CONTRACT NO. 74405		

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

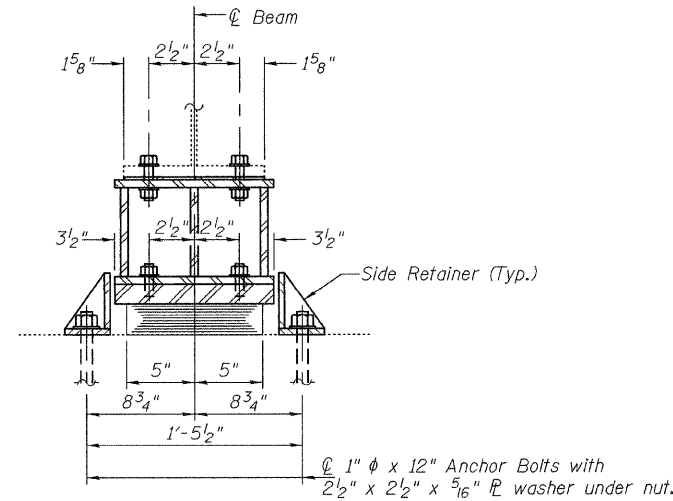


EXISTING BEARING REMOVAL DETAIL

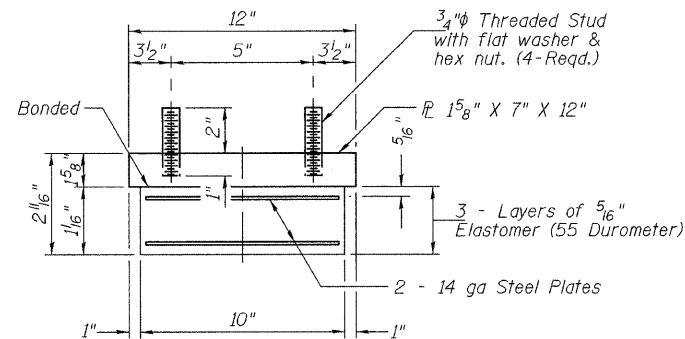
Cost included with Jack and Remove Existing Bearings.



ELEVATION AT EAST AND WEST ABUTMENT



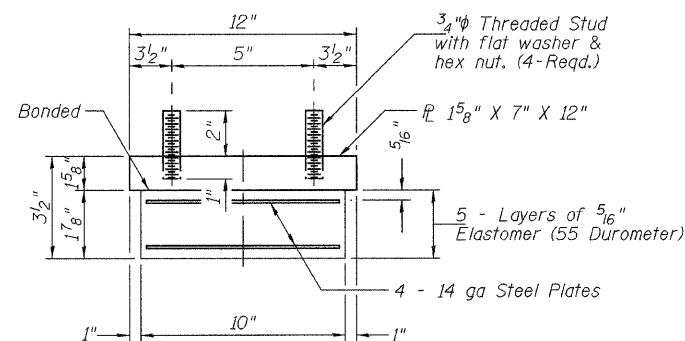
SECTION A-A



WEST ABUTMENT BEARING ASSEMBLY

(10 Req'd)

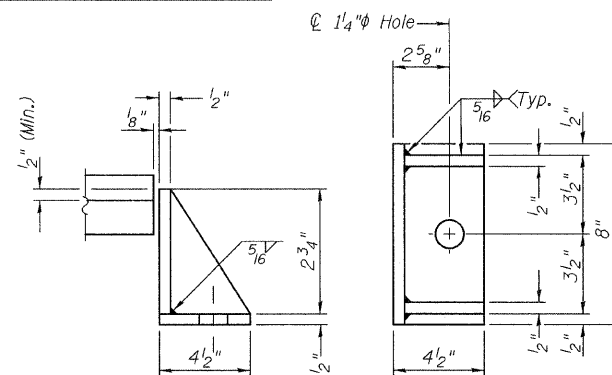
Note: Shim plates shall not be placed under Bearing Assembly.



EAST ABUTMENT BEARING ASSEMBLY

(10 Req'd)

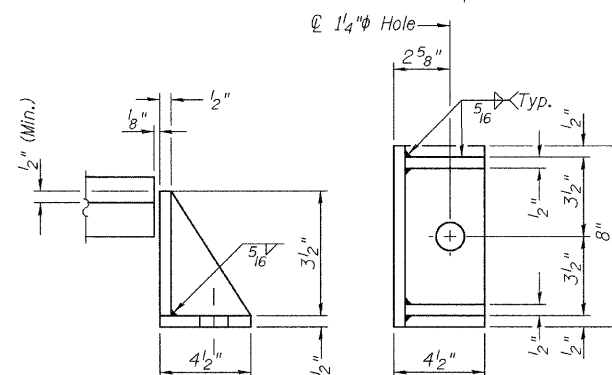
Note: Shim plates shall not be placed under Bearing Assembly.



WEST ABUTMENT SIDE RETAINER

(20 Req'd)

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



EAST ABUTMENT SIDE RETAINER

(20 Req'd)

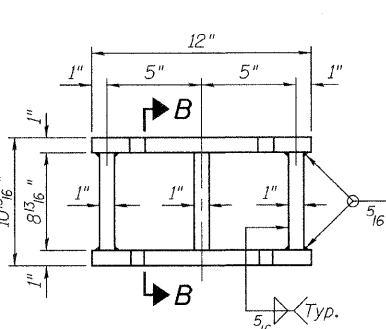
Equivalent rolled angle with stiffeners will be allowed in lieu of welded plates.

WEST ABUTMENT BEAM REACTIONS

R \bar{r}	(K)	10.7
R \bar{r}	(K)	32.4
Imp.	(K)	9.7
R (Total)	(K)	52.8

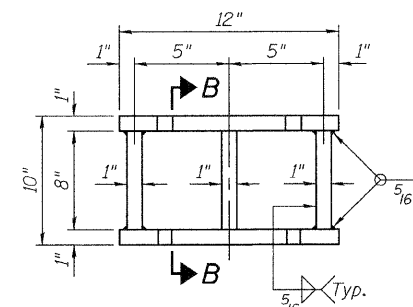
EAST ABUTMENT BEAM REACTIONS

R \bar{r}	(K)	10.7
R \bar{r}	(K)	32.4
Imp.	(K)	9.7
R (Total)	(K)	52.8



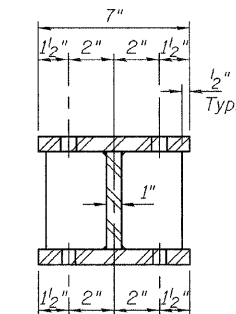
WEST ABUTMENT STEEL EXTENSION DETAIL

(10 Req'd)

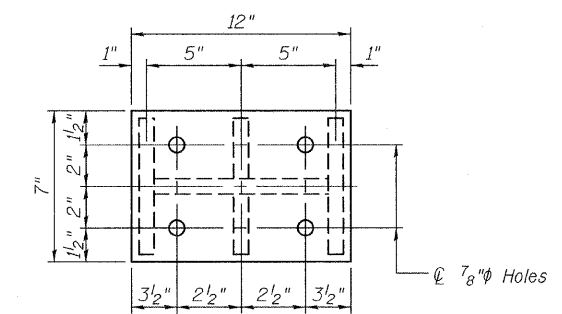


EAST ABUTMENT STEEL EXTENSION DETAIL

(10 Req'd)



SECTION B-B



PLAN TOP AND BOTTOM PLATE

BILL OF MATERIAL

Item	Unit	Total
Elastomeric Bearing Assembly, Type I	Each	20
Jack and Remove Existing Bearings	Each	20
Furnishing and Erecting Structural Steel	Pound	2,320
Anchor Bolts 1" \bar{r}	Each	40

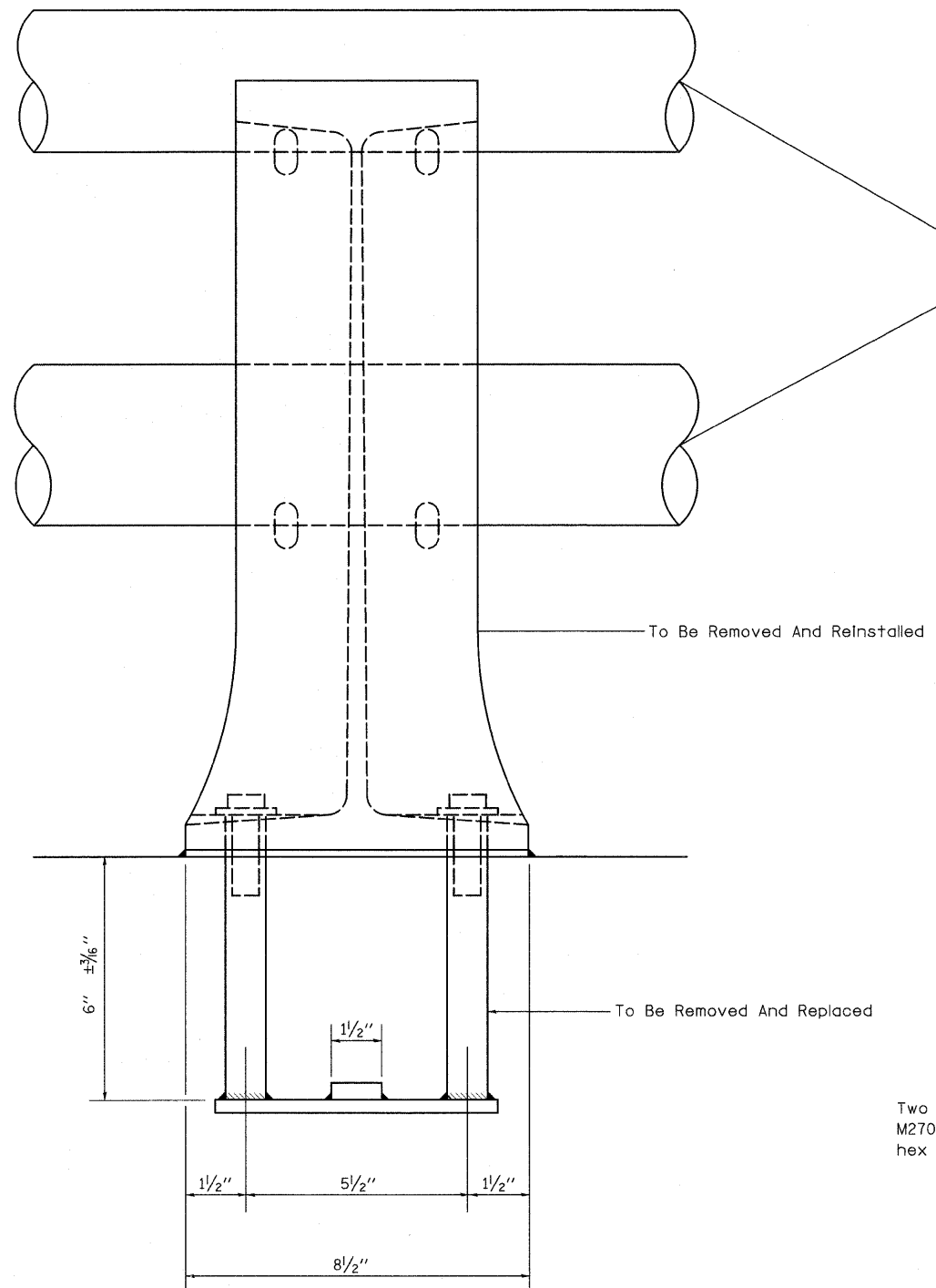
BEARING DETAILS SN 058-0112

SHEET NO. 2	F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	714	48X-2(W,RS), 128(W-1,RS-2) & 128BY	Macon	100	96
2 SHEETS	CONTRACT NO. 74405		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		

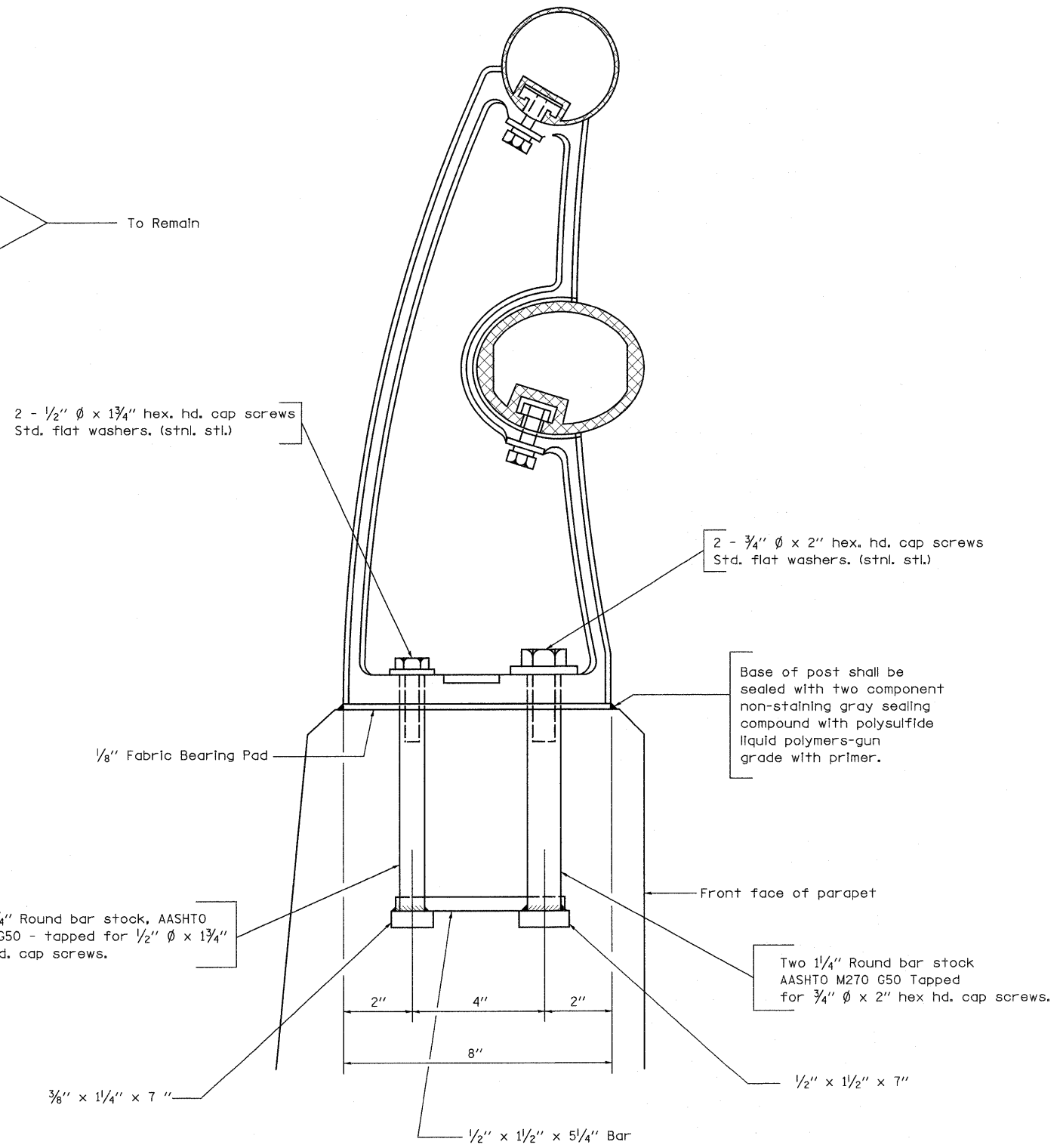
DESIGNED	V.H.V.
CHECKED	D.A.B.
DRAWN	Drew Christopher
CHECKED	V.H.V. D.A.B.

March 4, 2010
EXAMINED *Carl Proyer*
ENGINEER OF STRUCTURAL SERVICES
PASSED *Ralph E. Anderson*
ENGINEER OF BRIDGES AND STRUCTURES

TYI/REPS 12-03-2008

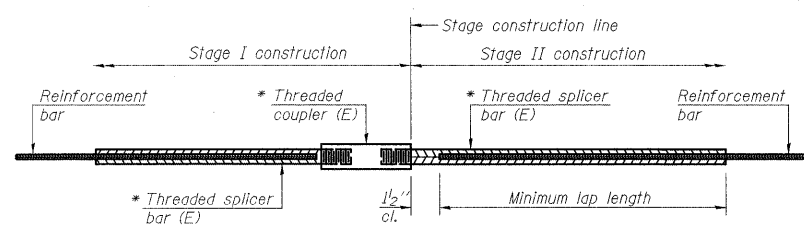


Note: New Rail Post anchorage devices will be required at each location where posts are connected to new construction. Cost shall be included with Concrete Superstructure.



FILE NAME =	USER NAME = swartzrw	DESIGNED - KLB	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RAIL SUPPORT ANCHOR DETAILS S.N. 058-0112		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw_work\XPWIDOT\SWARTZRW\08146337\07	4405-sht-brdetails.dgn	DRAWN - KLB	REVISED -				714	.	MACON	100	97
	PLOT SCALE = 20,0000' / IN.	CHECKED - MEA	REVISED -				CONTRACT NO. 74405				
	PLOT DATE = 1/19/2010	DATE - 12/29/09	REVISED -				ILLINOIS FED. AID PROJECT				
				SCALE: NA	SHEET NO. 7 OF 9 SHEETS	STA. TO STA.					

• (58-20)(48X-2)RS-1 & 128RS-3



STANDARD BAR SPLICER ASSEMBLY

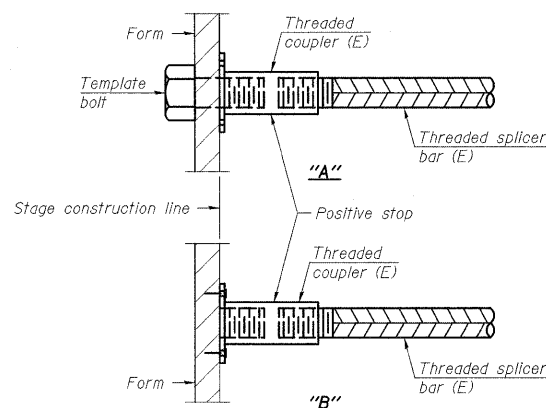
Bar size to be spliced	Minimum Lap Lengths			
	Table 1	Table 2	Table 3	Table 4
3, 4	1'-5"	1'-11"	2'-1"	2'-4"
5	1'-9"	2'-5"	2'-7"	2'-11"
6	2'-1"	2'-11"	3'-1"	3'-6"
7	2'-9"	3'-10"	4'-2"	4'-8"
8	3'-8"	5'-1"	5'-5"	6'-2"
9	4'-7"	6'-5"	6'-10"	7'-9"

Table 1: Black bar, 0.8 Class C
 Table 2: Black bar, Top bar lap, 0.8 Class C
 Table 3: Epoxy bar, 0.8 Class C
 Table 4: Epoxy bar, Top bar lap, 0.8 Class C

Threaded splicer bar length = min. lap length + 1 1/2" + thread length

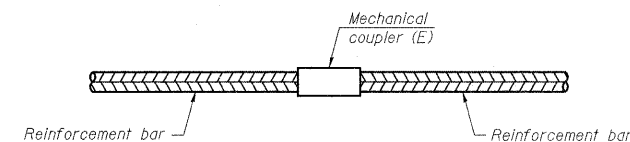
* Epoxy not required on Bar Splicer Assembly components used in conjunction with black bars.

Location	Bar size	No. assemblies required	Table for minimum lap length
058-0112	#5	32	
058-0112	#6	16	



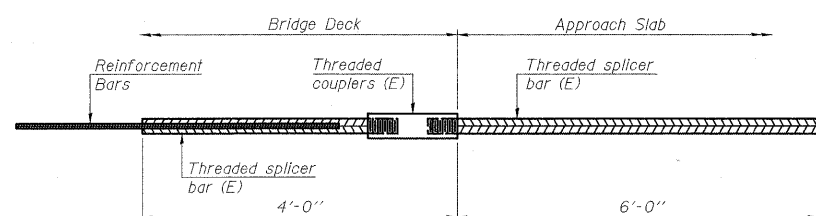
INSTALLATION AND SETTING METHODS

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



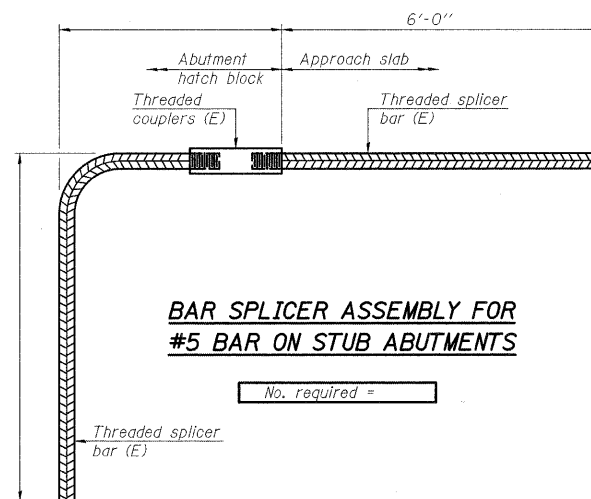
STANDARD MECHANICAL SPLICER

Location	Bar size	No. assemblies required



BAR SPLICER ASSEMBLY FOR #5 BAR ON INTEGRAL OR SEMI-INTEGRAL ABUTMENTS

No. required =



BAR SPLICER ASSEMBLY FOR #5 BAR ON STUB ABUTMENTS

No. required =

NOTES

Splicer bars shall be deformed with Threaded ends and have a minimum 60 ksi yield strength.
 All reinforcement shall be lapped and tied to the splicer bars.
 Bar splicer assemblies shall be epoxy coated according to the requirements for reinforcement bars. See Section 508 of the Standard Specifications.
 See special provision for Mechanical Splicers.
 See approved list of bar splicer assemblies and mechanical splicers for alternatives.

BAR SPLICER ASSEMBLY AND MECHANICAL SPLICER DETAILS
STRUCTURE NO.
058-0112

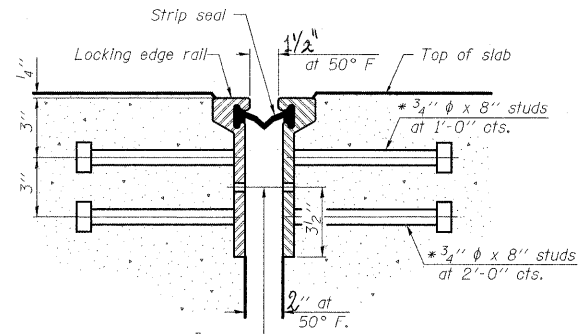
BSD-1

11-1-09

• (58-20)(48X-2)RS-1 & 128RS-3

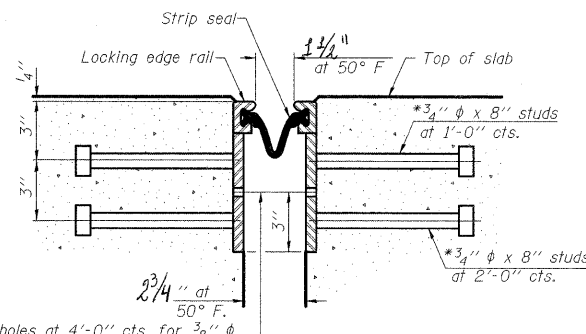
FILE NAME = c:\pwk\work\PWIDOT\SWARTZRW\d0146337\07	USER NAME = swartzrw 44825-sht-brdetails.dgn	DESIGNED - KLB DRAWN - KLB	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BAR SPLICER ASSEMBLY DETAILS S.N. 058-0112			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 20,0000' / IN.	CHECKED - MEA	REVISED -		SCALE: NA	SHEET NO. 8 OF 9 SHEETS	STA.	TO STA.	MACON	100	98	
	PLOT DATE = 1/19/2010	DATE - 12/29/09	REVISED -					CONTRACT NO. 74405				
								ILLINOIS FED. AID PROJECT				

* Granular or solid flux filled headed studs conforming to Article 1006.32 of the Std. Specs., automatically end welded.



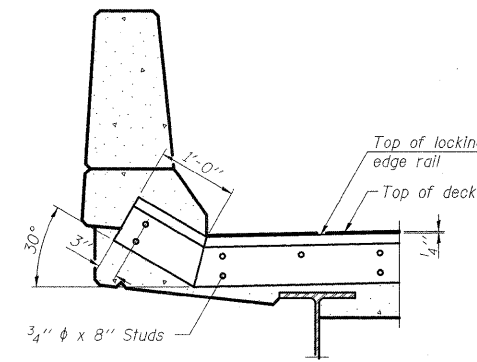
$\frac{7}{16}$ " ϕ holes at 4'-0" cts. for $\frac{3}{8}$ " ϕ bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

SECTION THRU ROLLED RAIL JOINT



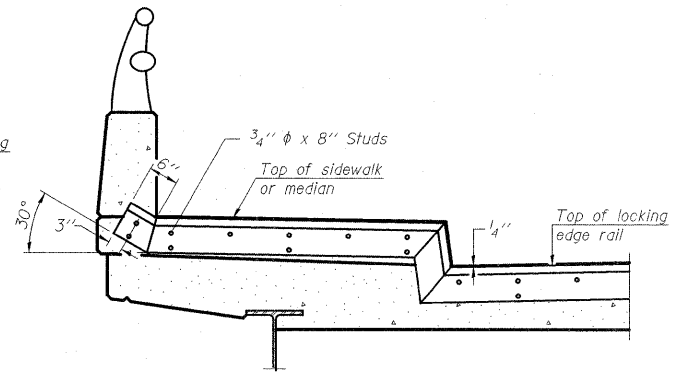
$\frac{7}{16}$ " ϕ holes at 4'-0" cts. for $\frac{3}{8}$ " ϕ bolts. All bolts shall be burned, sawed, or chipped off flush with the plates after forms are removed, typ.

SECTION THRU WELDED RAIL JOINT



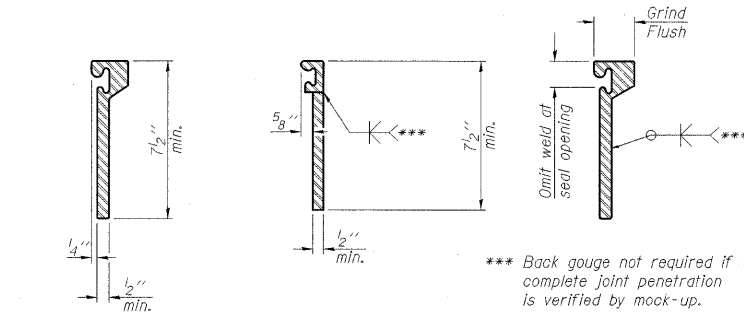
AT PARAPET

See Section A-A for end treatment of skews > 30°.



AT SIDEWALK OR MEDIAN

Shorter plates with a single row of studs at 12" cts. may be necessary on medians which are shallower than 9". See manufacturer's recommendation.



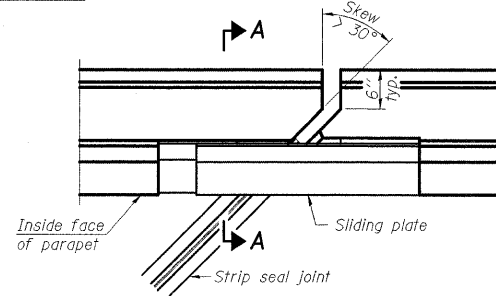
ROLLED EXTRUDED RAIL

WELDED RAIL

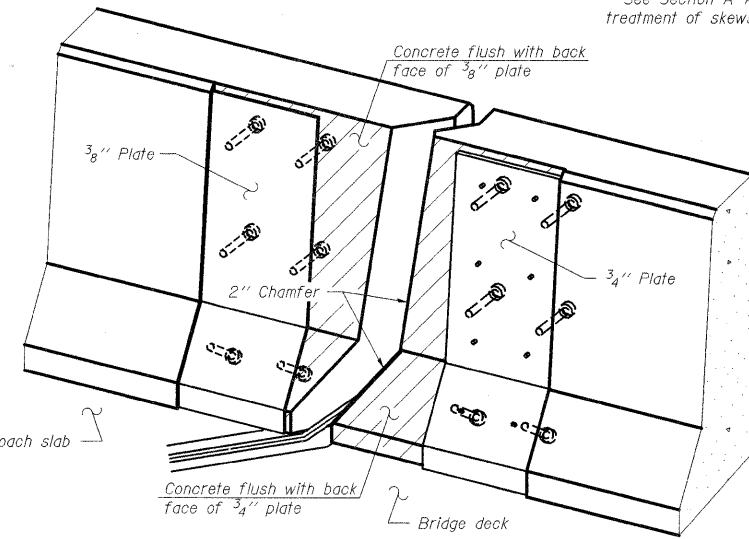
LOCKING EDGE RAIL SPLICE

The inside of the locking edge rail groove shall be free of weld residue. Rolled rail shown, welded rail similar.

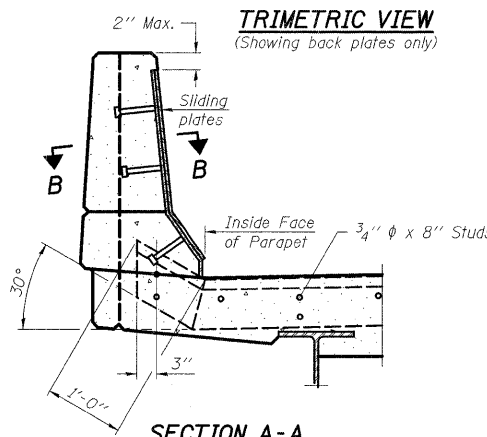
LOCKING EDGE RAILS



PLAN

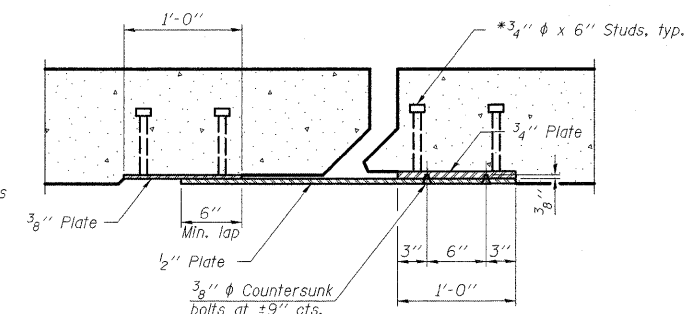


TRIMETRIC VIEW (Showing back plates only)



SECTION A-A

POINT BLOCK DETAILS (for skews > 30°)



SECTION B-B

TYPICAL END TREATMENTS

Notes:
The strip seal shall be made continuous and shall have a minimum thickness of 1/4". The configuration of the strip seal shall match the configuration of the Locking Edge Rails. Open or "webbed" strip seal gland configurations are not permitted. The gland shall be sized for a maximum rated movement of 4 inches. The Locking Edge Rails depicted are conceptual only, except for the minimum dimensions shown. The actual configuration of the Locking Edge Rails and matching strip seal may vary from manufacturer to manufacturer. Flanged edge rails will not be allowed. Locking Edge Rails may be spliced at slope discontinuities. The manufacturer's recommended installation methods shall be followed. The joint opening and deck dimensions detailed on the superstructure are based on a rolled rail expansion joint. If the Contractor elects to use the welded rail expansion joint, the opening and deck dimensions shall be modified according to the dimensions detailed on this sheet. Required modifications shall be made at no additional cost to the State. All steel components shall be galvanized after fabrication according to Article 520.03 of the Standard Specifications. Maximum space between rail segments at stage lines shall be 3/16", sealed with a suitable sealant.

BILL OF MATERIAL

Item	Unit	Total
Preformed Joint Strip Seal	Foot	153

PREFORMED JOINT STRIP SEAL STRUCTURE NO. 058-0112

EJ-SSJ

11-1-09

FILE NAME = USER NAME = swartzrw
 c:\pwwork\VPWIDOT\SWARTZRW\d0146337.dgn 4405-shr-brdetails.dgn
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 PLOT DATE = 1/19/2010

DESIGNED - KLB
 DRAWN - KLB
 CHECKED - MEA
 DATE - 12/29/09
 REVISED -
 REVISED -
 REVISED -
 REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PREFORMED JOINT STRIP SEAL S.N. 058-0112

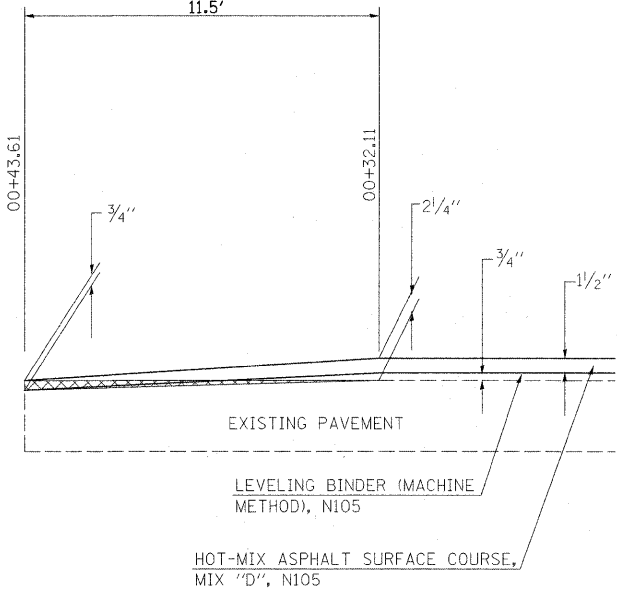
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(58-20)(48X-2)RS-1 & 128RS-3

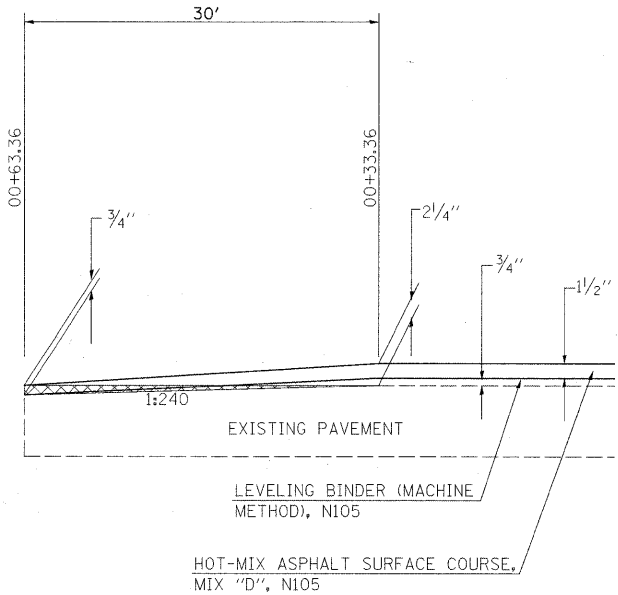
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	*	MACON	100	99

CONTRACT NO. 74405
 ILLINOIS FED. AID PROJECT

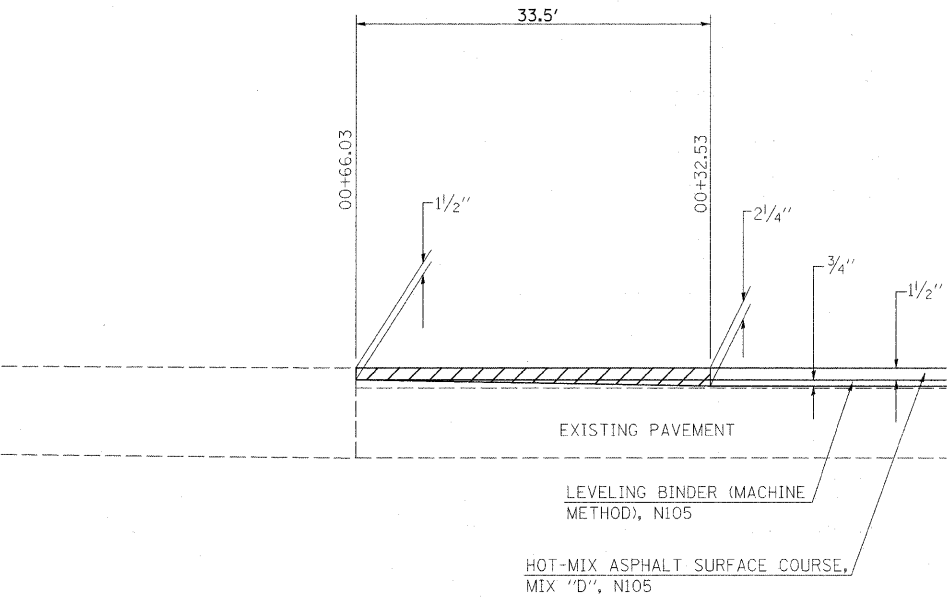
PCC BUTT JOINT DETAIL
CE. STATION 135+75.84 LT.



PCC BUT JOINT DETAIL
MONROE STREET



HMA BUTT JOINT DETAIL
IMBODEN COURT



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PLOT DATE = 1/19/2010	DATE -	REVISED -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAILS

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

• (58-20)(48-X-2)RS-1 & 128RS-3

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	*	MACON	100	100
			CONTRACT NO. 74405	
ILLINOIS FED. AID PROJECT				