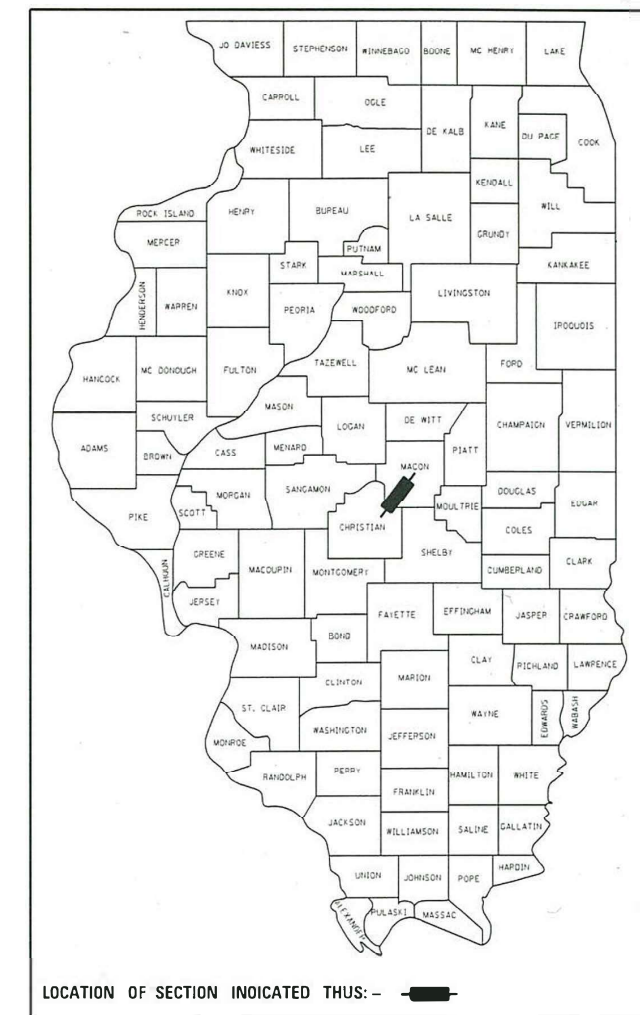


STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128,129)RS-4	MACON	59*	1
		ILLINOIS	CONTRACT NO. 74813	

* 59 + 4 = 63 TOTAL SHEETS

D-97-034-17



PROPOSED HIGHWAY PLANS

FAP 714 (ILL 48)
SECTION (128,129)RS-4
PROJECT STP-HBFP-78CN(569)
DESIGNED OVERLAY
MACON COUNTY

C-97-067-17

FOR INDEX OF SHEETS, SEE SHEET NO. 2

ADT = 2600 (2021)

STATION EQUATIONS:

360 + 42 BK = 360 + 68 AH

614 + 64 BK = 614 + 70 AH

724 + 37 BK = 665 + 00 AH

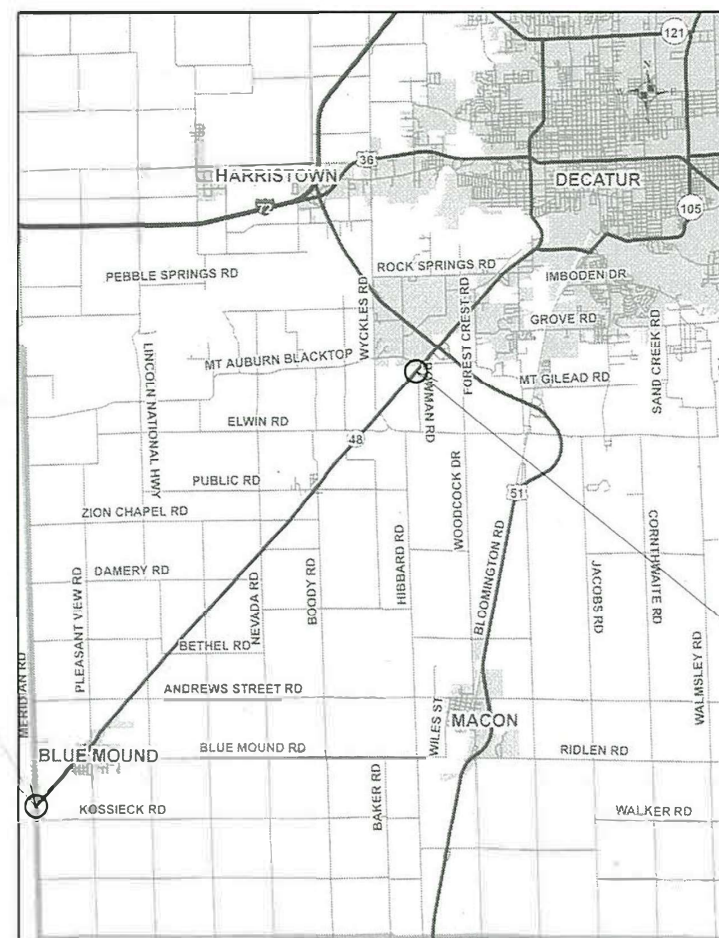
BRIDGE OMISSIONS:

STA 349 + 27 TO STA 349 + 53

STA 381 + 34 TO STA 282 + 97

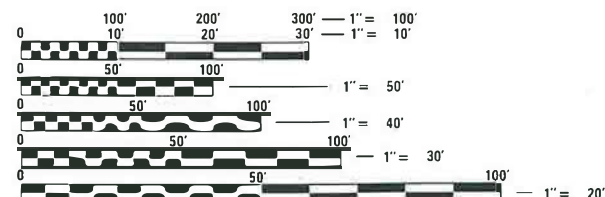
OMISSIONS:

STA 668 + 24 TO STA 692 + 00



PROJECT BEGINS:
MACON COUNTY LINE,
STATION 206 + 47

PROJECT ENDS:
STATION 668 + 29



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

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

PROJECT ENGINEER: MARK DAUGHERTY
PROJECT MANAGER: HANNAH DAVIDSON & BRYAN HARRINGTON
PHONE NUMBER: (217)-342-8320
CONTRACT NO. 74813

GROSS LENGTH = 52,087.0 FT. = 9.86 MILES
NET LENGTH = 49,522.0 FT. = 9.4 MILES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED October 20 20 22
Jeffrey P. Myerly
REGIONAL ENGINEER

December 9, 2022
Steph M. Janda
ENGINEER OF DESIGN AND ENVIRONMENT

December 9, 2022
Steph M. Janda
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

SHEET NO.	ITEM
1	COVER SHEET
2	INDEX OF SHEETS & GENERAL NOTES
3 - 5A	SUMMARY OF QUANTITIES
6 - 10	TYPICAL SECTIONS
11 - 14	SCHEDULE OF QUANTITIES
15 - 26	PLAN SHEETS
27 - 37	ADA DETAILS
38 - 44	STRIPING DETAILS
45	BRIDGE APPROACH DETAIL
46	SURVEY MARKER VAULT
47	ENTRANCE DETAIL
48 - 49	BOX CULVERT STAGING DETAILS
50 - 53	BOX CULVERT DETAIL
54	MEMBRANE WATERPROOFING SYSTEM DETAIL
54A	MISCELLANEOUS DETAIL
55 - 59	PAVMENT MARKING DETAILS

GENERAL NOTES

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

WHEN APPLYING SHORT TERM PAVEMENT MARKINGS, TEMPORARY TAPE SHALL BE USED ON THE SURFACE COURSE AND PAINT SHALL BE USED ON MILLED SURFACES AND BINDER COURSE.

THE MILLING WILL BE 1.5" THROUGH THE APPROACH PAVEMENT BUT SHALL NOT TOUCH THE ANY PART OF THE BOX CULVERT OR BRIDGE PAVEMENTS. THE SURFACE COURSE SHALL BE LAID UP TO THE BRIDGE/BOX CULVERT, BUT NO ASPHALT WILL BE PERMITTED ON ANY BRIDGE DECK.

THE PAY ITEM HOT-MIX ASPHALT SURFACE REMOVAL 3 3/4" SHALL BE USED FOR THE MILLING TRANSITION AREAS GOING FROM 3 3/4" TO 1 1/2", AS SHOWN IN THE PLANS.

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

HOT MIX ASPHALT	112 LBS/SQ YD/IN
GRANULAR MATERIAL	2.05 TONS/CU YD

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED AFTER SHEET NO. 59 :

STD. NO.	DESCRIPTION
00001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
406201-01	MAILBOX TURNOUT
442201-03	CLASS C AND D PATCHES
667101-02	PERMANENT SURVEY MARKERS
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' FROM PAVEMENT EDGE
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L,2W, DAY ONLY
701201-05	LANE CLOSURE 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE 2L2W- SHORT TIME OPERATION
701306-04	LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS ≥ 45 MPH
701311-03	LANE CLOSURE 2L, 2W, MOVING OPERATIONS - DAY ONLY
701501-06	URBAN LANE CLOSURE 2L2W-UNDIVIDED
701502-09	URBAN LANE CLOSURE 2L2W WITH BI DIRECT LEFT TURN LANE
701801-06	SIDEWALK CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
781001-04	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE TO THIS PROJECT:

LOCATION(S)	MIXTURE USE(S)	PG	DESIGN AIR VOIDS	MIXTURE COMPOSITION	FRICTION AGGREGATE	MIXTURE WEIGHT	QUALITY MANAGEMENT PROGRAM	SUBLOT SIZE	MATERIAL TRANSFER DEVICE (REQUIRED?)
MAINLINE	HMA SURFACE COURSE, IL-9.5, MIX "C", N70 (2")	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	N70	PFP	1000	N/A
MAINLINE	HMA BINDER COURSE, IL-9.5FG, N70 (1 3/4")	PG 64-22	4.0% @ N=70	IL - 9.5FG	N/A	N70	PFP	1000	N/A
INCIDENTAL	INCIDENTAL HMA SURFACING	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	N70	QC/QA	N/A	N/A
SHOULDER	HOT-MIX ASPHALT SHOULDERS - 3.75" (TOP 2" LIFT)	PG 64-22	4.0% @ N=70	IL - 9.5	MIXTURE C	N70	QC/QA	1000	N/A
SHOULDER	HOT-MIX ASPHALT SHOULDERS - 3.75" (BOTTOM 1 3/4" LIFT)	PG 64-22	4.0% @ N=70	IL - 9.5FG	N/A	N70	QC/QA	1000	N/A
MAINLINE PATCHING	CLASS "D" PAVEMENT PATCHING	PG 64-22	4.0% @ N=70	IL - 19.0	N/A	N70	QC/QA	N/A	N/A

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	DRAWN -	REVISED -
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PLOT DATE = 10/21/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INDEX OF SHEETS
AND GENERAL NOTES**

SCALE: N/A SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128, 129) RS-4	MACON	59	2
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74813	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE									
CODE NO	ITEM	UNIT		80% FEDERAL 20% STATE 0005	80% FEDERAL 10% STATE 10% VILLAGE (PARKING LANES) 0005	80% FEDERAL 20% VILLAGE (SIDE STREETS) 0005	80% FEDERAL 20% STATE SN 058-8638 0004						
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	10.6				10.6						
20900110	POROUS GRANULAR BACKFILL	CU YD	48.9				48.9						
28100105	STONE RIPRAP, CLASS A3	SQ YD	22.2				22.2						
28200200	FILTER FABRIC	SQ YD	22.2				22.2						
35400500	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 10"	SQ YD	42	42									
35650100	BASE COURSE WIDENING 6"	SQ YD	90				90						
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	6.9	6.9									
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	113516	113516									
40600370	LONGITUDINAL JOINT SEALANT	FOOT	52145	52145									
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	600	600									
40600990	TEMPORARY RAMP	SQ YD	300	300									
40602970	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N70	TON	16233	16233									
40604052	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N70	TON	18552	18552									

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USER NAME = Matthew.Bower	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES				F.A.P. RTE. 714	SECTION (128, 129) RS-4	COUNTY MACON	TOTAL SHEETS 62	SHEET NO. 3
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -		SCALE: N/A	SHEET 1	OF 6	SHEETS	STA.	TO STA.	CONTRACT NO. 74813		
PLOT DATE = 11/17/2022	CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT								
	DATE -	REVISED -										

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE									
CODE NO	ITEM	UNIT		80% FEDERAL 20% STATE	80% FEDERAL 10% STATE 10% VILLAGE (PARKING LANES)	80% FEDERAL 20% VILLAGE (SIDE STREETS)	80% FEDERAL 20% STATE SN 058-8638						
				0005	0005	0005	0004						
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	764.2	678.2		86							
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SO YD	47	47									
42400300	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	SO FT	1383.5	1383.5									
42400800	DETECTABLE WARNINGS	SO FT	108	108									
44000100	PAVEMENT REMOVAL	SO YD	59	59									
44000155	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	SO YD	149178	149178									
44000164	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	SO YD	18393.2	18393.2									
44000200	DRIVEWAY PAVEMENT REMOVAL	SO YD	48	48									
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	292	292									
44000600	SIDEWALK REMOVAL	SO FT	1656	1656									
44201796	CLASS D PATCHES, TYPE IV, 12 INCH	SO YD	50				50						
44201851	CLASS D PATCHES, TYPE II, 17 INCH	SO YD	944.5	944.5									
44201855	CLASS D PATCHES, TYPE III, 17 INCH	SO YD	228.4	228.4									
44201857	CLASS D PATCHES, TYPE IV, 17 INCH	SO YD	946.8	946.8									

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE								
CODE NO	ITEM	UNIT		80% FEDERAL 20% STATE 0005	80% FEDERAL 10% STATE 10% VILLAGE (PARKING LANES) 0005	80% FEDERAL 20% VILLAGE (SIDE STREETS) 0005	80% FEDERAL 20% STATE SN 058-8638 0004					
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	3497	3497								
48203100	HOT-MIX ASPHALT SHOULDERS	TON	551.1	395.7	155.4							
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1			1						
50200100	STRUCTURE EXCAVATION	CU YD	14.4			14.4						
52200020	TEMPORARY SOIL RETENTION SYSTEM	SQ FT	51			51						
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2			2						
54010502	PRECAST CONCRETE BOX CULVERTS 5' X 2'	FOOT	40			40						
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	36			36						
60260100	INLETS TO BE ADJUSTED	EACH	2	2								
60600605	CONCRETE CURB, TYPE B	FOOT	19	19								
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	63.5	63.5								
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	199.5	199.5								
* 66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	13	13								
* 66900530	SOIL DISPOSAL ANALYSIS	EACH	2	2								

REV. - MS

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*** SPECIALTY ITEM**

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	DRAWN -	REVISED -
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PLOT DATE = 11/17/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: N/A SHEET 3 OF 6 SHEETS STA. TO STA.

F.A.P. RTE. 714	SECTION (128, 129) RS-4	COUNTY MACON	TOTAL SHEETS 62	SHEET NO. 4
CONTRACT NO. 74813			ILLINOIS FED. AID PROJECT	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE									
CODE NO	ITEM	UNIT		80% FEDERAL 20% STATE 0005	80% FEDERAL 10% STATE 10% VILLAGE (PARKING LANES) 0005	80% FEDERAL 20% VILLAGE (SIDE STREETS) 0005	80% FEDERAL 20% STATE SN 058-8638 0004						
* 66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1	1									
* 66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1	1									
* 66901006	REGULATED SUBSTANCES MONITORING	CAL DA	2	2									
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	6	6									
67000600	ENGINEER'S FIELD LABORATORY	CAL MO	2	2									
67100100	MOBILIZATION	L SUM	1	1									
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1	1									
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1	1									
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1									
70102622	TRAFFIC CONTROL AND PROTECTION, STANDARD 701502	L SUM	1	1									
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1	1									

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*** SPECIALTY ITEM**

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PLOT DATE = 11/17/2022	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES
 SCALE: SHEET 4 OF 6 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128,129) RS-4	MACON	62	4A
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74813	

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE								
CODE NO	ITEM	UNIT		80% FEDERAL 20% STATE	80% FEDERAL 10% STATE 10% VILLAGE (PARKING LANES)	80% FEDERAL 20% VILLAGE (SIDE STREETS)	80% FEDERAL 20% STATE SN 058-8638					
				0005	0005	0005	0004					
70107025	CHANGEABLE MESSAGE SIGN	CAL DA	28	28								
70300100	SHORT TERM PAVEMENT MARKING	FOOT	6372	6372								
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SO FT	1707	1707								
* 78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SO FT	208	208								
* 78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	14805	14752.5	52.5							
* 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	593	516	77							
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	686	686								
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	50	25	25							
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	113452	113452								
* 78011000	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SO FT	672	672								
* 78011025	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	14805	14752.5	52.5							
* 78011035	GROOVING FOR RECESSED PAVEMENT MARKING 7"	FOOT	593	516	77							
* 78011065	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	686	686								

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE:	SHEET 5	OF 6	SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128, 129) RS-4	MACON	62	5
CONTRACT NO. 74813				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES				CONSTRUCTION TYPE CODE									
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	80% FEDERAL 20% STATE 0005	80% FEDERAL 10% STATE 10% VILLAGE (PARKING LANES) 0005	80% FEDERAL 20% VILLAGE (SIDE STREETS) 0005	80% FEDERAL 20% STATE SN 058-8638 0004						
* 78011125	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	50	25	25								
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	884	884									
X0326440	SURFACE REMOVAL, VARIABLE DEPTH (SPECIAL)	SO YD	5886.1	5203.2	682.9								
X0900064	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES	SO YD	36				36						
X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.25	0.25									
X4060995	TEMPORARY RAMP, SPECIAL	SO YD	995.3	995.3									
Z0049799	PROTECTING OR RESETTING SURVEY MARKERS	EACH	32	32									
* Z0054505	ROCK FILL - REPLACEMENT	TON	21				21						
Z0070202	SURVEY MARKER VAULT	EACH	2	2									

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES			
SCALE:	SHEET 6	OF 6	SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 74813				
ILLINOIS FED. AID PROJECT				

OMISSIONS

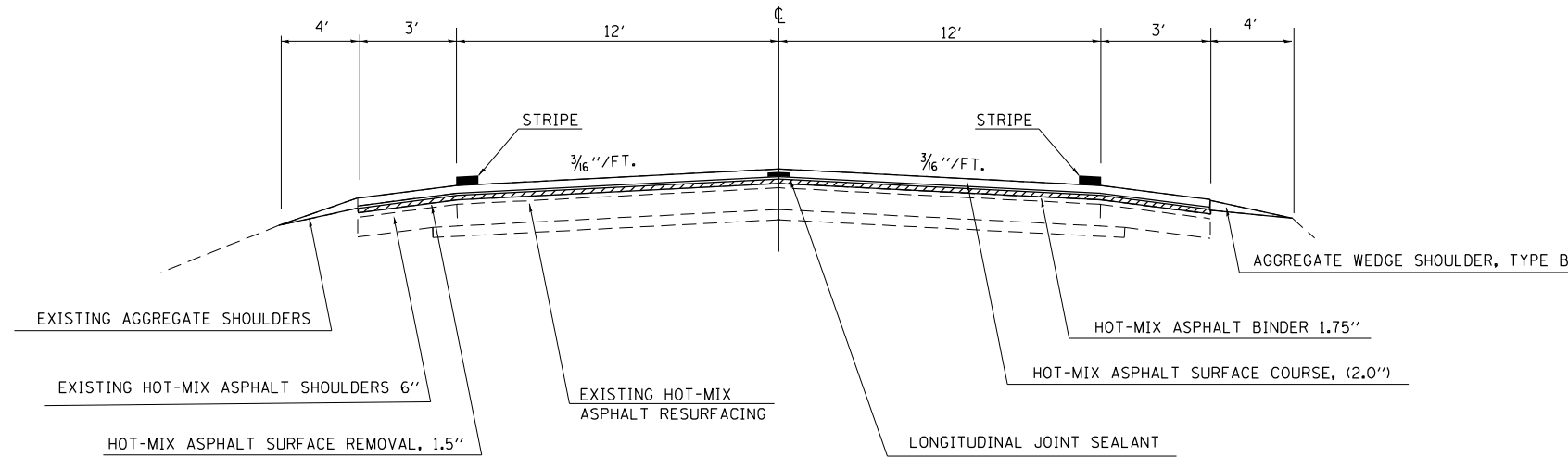
668+24 - 692+00
381+34 - 382+97

TYPICAL CROSS SECTION

STATION	TO STATION	STATION	TO STATION
206+47	TO 252+00	528+66	TO 553+67
293+50	TO 312+29	556+39	TO 668+29
318+64	TO 347+82		
350+61	TO 360+42		
360+68	TO 525+66		

STATION EQUATIONS

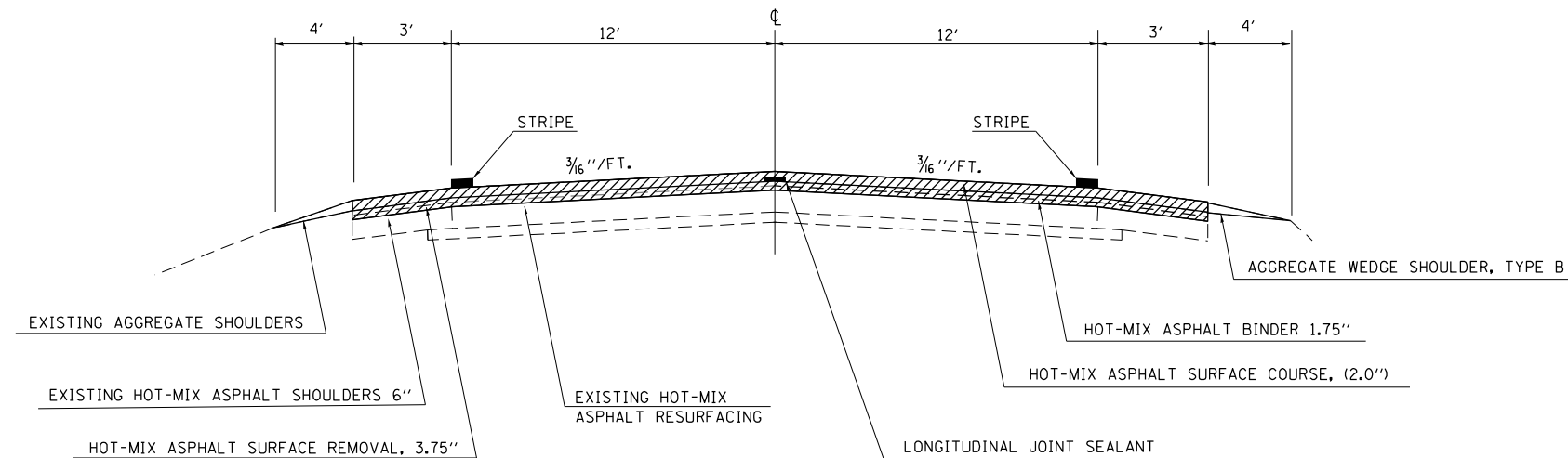
360+42 BK = 360+68 AH
614+64 BK = 614+70 AH
724+37 BK = 665+00 AH



** EXISTING IS 11 FOOT LANE 4' SHOULDER THAT IS TO BE CHANGED TO 12' LANE AND 3' SHOULDER

TYPICAL CROSS SECTION

STATION	TO STATION
252+00	TO 258+00
292+70	TO 293+50
312+29	TO 318+64



** EXISTING IS 11 FOOT LANE 4' SHOULDER THAT IS TO BE CHANGED TO 12' LANE AND 3' SHOULDER

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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

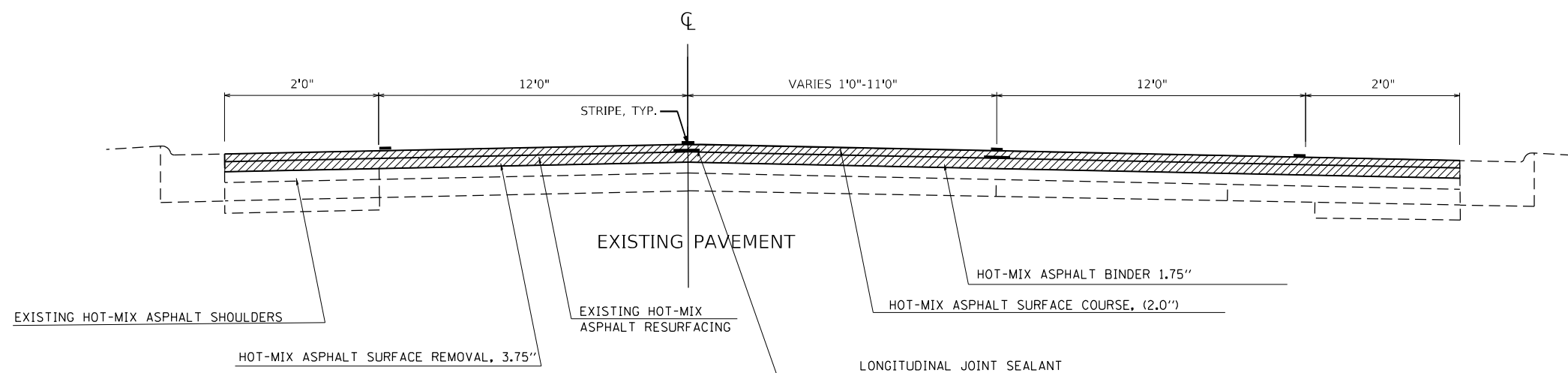
TYPICAL SECTIONS

SCALE: N/A SHEET NO. 1 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128, 129) RS-4	MACON	59	6
CONTRACT NO. 74813				
ILLINOIS FED. AID PROJECT				

TYPICAL CROSS SECTIONS

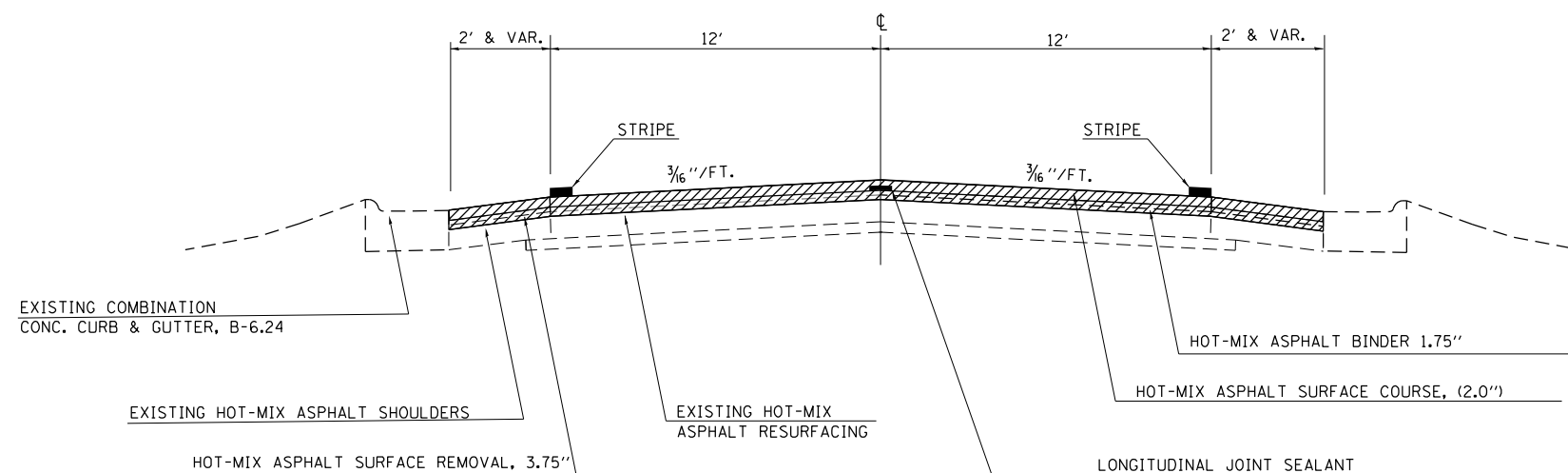
STATION TO STATION
258+00 - 269+40



** MATCH THE EXISTING SLOPES

TYPICAL CROSS SECTION

STATION TO STATION
269+40 TO 269+50
292+50 TO 292+70



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	PLOT DATE = 10/21/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

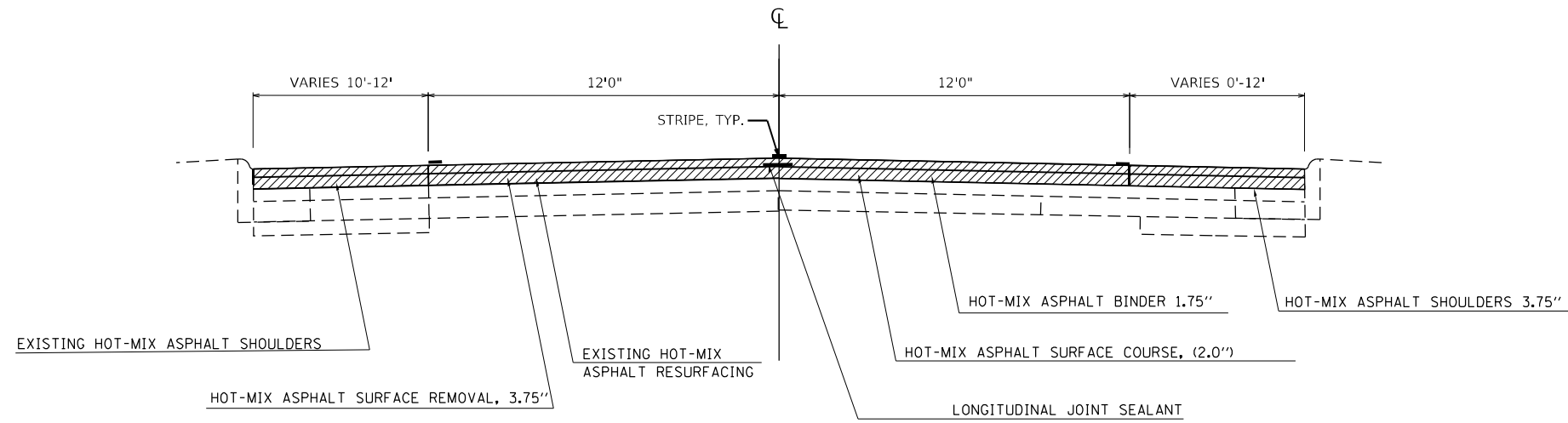
TYPICAL SECTIONS

SCALE: N/A SHEET NO. 2 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128, 129) RS-4	MACON	59	7
				CONTRACT NO. 74813
ILLINOIS FED. AID PROJECT				

TYPICAL CROSS SECTIONS

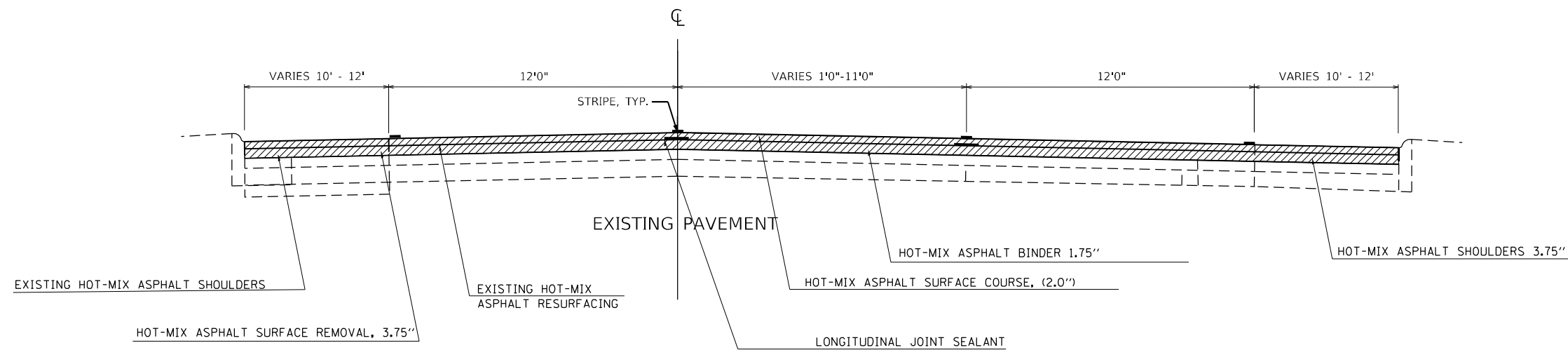
STATION TO STATION
269+50 - 277+67



** MATCH THE EXISTING SLOPES

TYPICAL CROSS SECTIONS

STATION TO STATION
277+67- 278+35

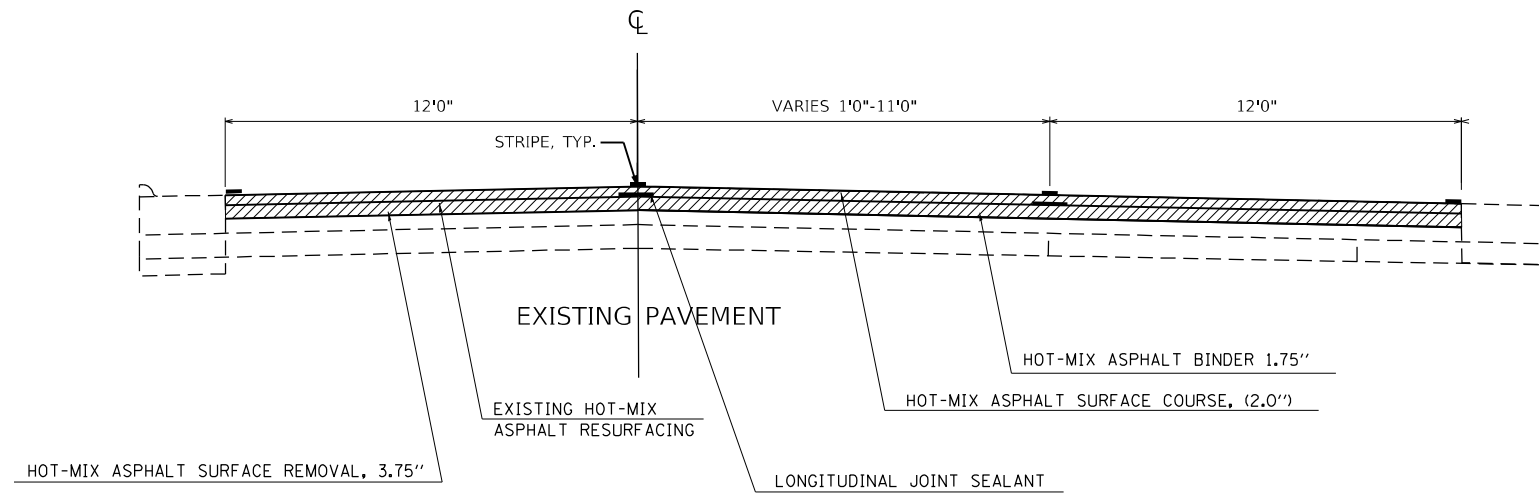


** MATCH THE EXISTING SLOPES

FILE NAME =	USER NAME = Mono.Steffen	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\idot-pw.bentley.com\PIDOT\Documents\IDOT Offices\District 7\Projects\74813\CADD\Drawings\74813-sht-typicals.dgn		REVISIONS	REVISIONS		714	(128, 129) RS-4	MACON	59	8			
PLOT SCALE = 40.0000' / in.	CHECKED -	REVISIONS	REVISIONS		CONTRACT NO. 74813							
PLOT DATE = 10/21/2022	DATE -	REVISIONS	REVISIONS		SCALE: N/A	SHEET NO. 3 OF 5 SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT			

TYPICAL CROSS SECTIONS

STATION TO STATION
278+35 - 292+50

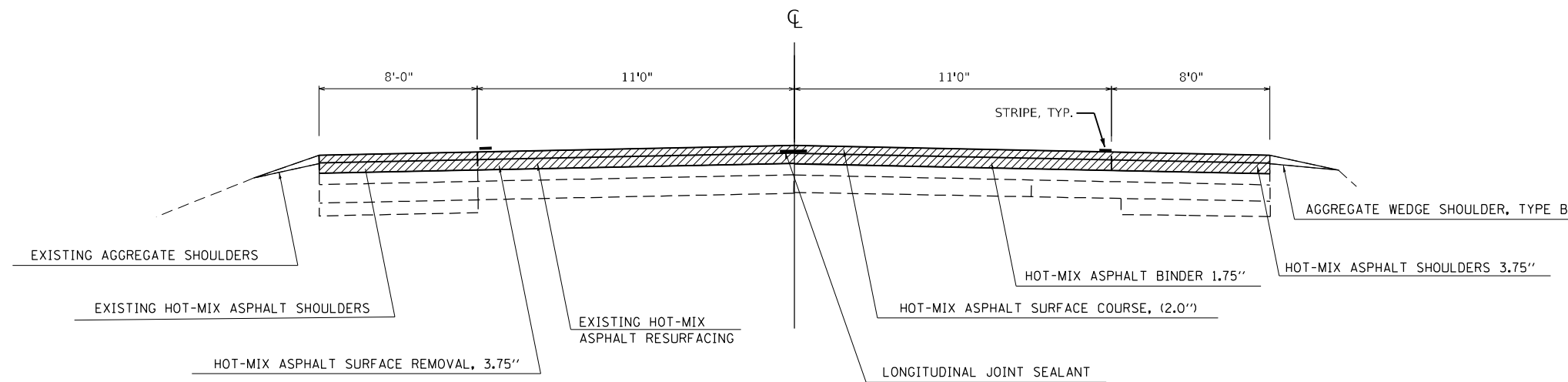


OMISSIONS

349+27 - 350+53

TYPICAL CROSS SECTIONS

STATION TO STATION
347+82 - 350+61

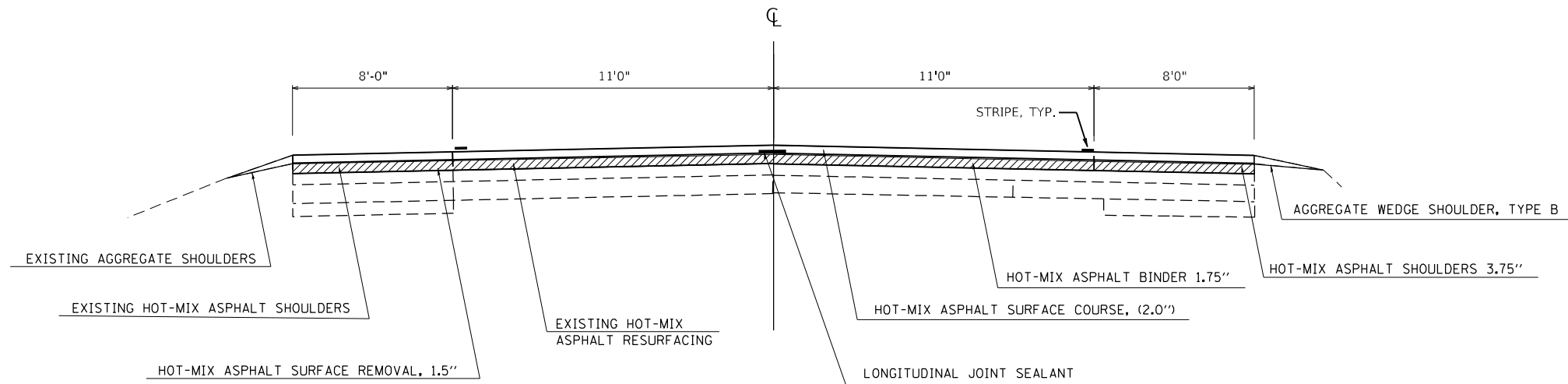


** EXISTING IS 11 FOOT LANE 8' SHOULDER
THAT IS TO BE CHANGED TO 12' LANE
AND 7' SHOULDER

FILE NAME :	USER NAME = Matthew.Bower	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\idot-pw.bentley.com\PWIDOT\Documents\IDOT Offices\District 7\Projects\74813\CAD\Drawings\74813-sht-typicals.dgn		CHECKED -	REVISED -		714	(128, 129) RS-4	MACON	59	9				
PLOT SCALE = 40.0000' / in.		DATE -	REVISED -		SCALE: N/A			SHEET NO. 4 OF 5 SHEETS		STA. TO STA.		CONTRACT NO. 74813	
PLOT DATE = 12/1/2022					ILLINOIS FED. AID PROJECT								

TYPICAL CROSS SECTIONS

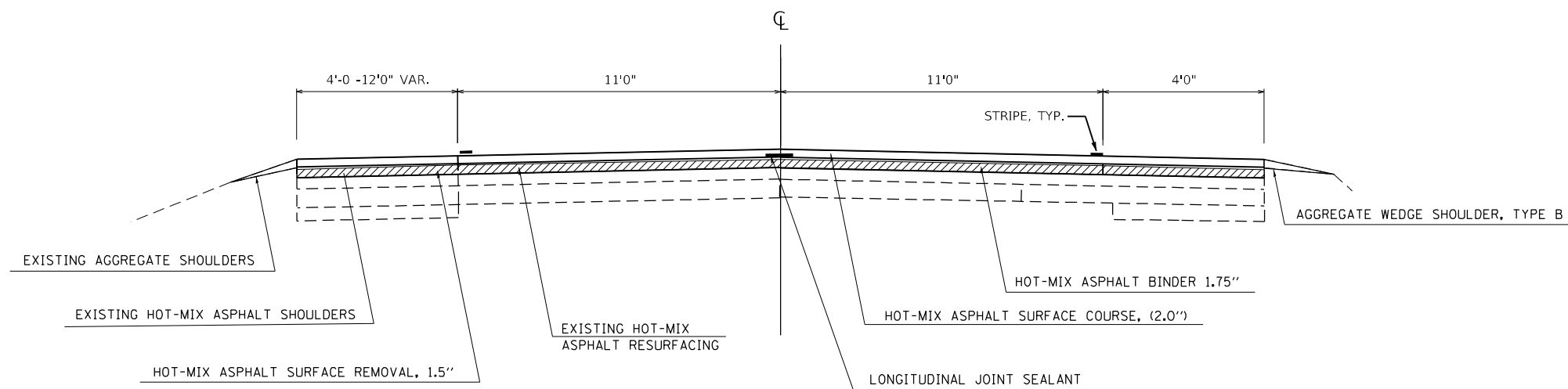
STATION TO STATION
525+66 - 528+66



** EXISTING IS 11 FOOT LANE 8' SHOULDER THAT IS TO BE CHANGED TO 12' LANE AND 7' SHOULDER

TYPICAL CROSS SECTIONS

STATION TO STATION
553+67 - 556+39



** EXISTING IS 11 FOOT LANE VARIABLE SHOULDER THAT IS TO BE CHANGED TO 12' LANE

FILE NAME =	USER NAME = Matthew Bower	DESIGNED -	REVISED -
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	PLOT DATE = 12/1/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: N/A SHEET NO. 5 OF 5 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128, 129) RS-4	MACON	59	10
CONTRACT NO. 74813				
ILLINOIS FED. AID PROJECT				

MAINLINE RESURFACING SCHEDULE

STATION	TO	STATION	LENGTH	AVERAGE PAVEMENT WIDTH	TURN LANES	AVERAGE SHOULDER WIDTH	HMA SURFACE REMOVAL - BUTT JOINT	HOT-MIX ASPHALT SURFACE REMOVAL, 1 1/2"	HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"	BITUMINOUS MATERIALS (TACK COAT)	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5 MIX "C", N70	HOT-MIX ASPHALT BINDER COURSE, IL-9.5FG, N70	HOT-MIX ASPHALT SHOULDERS	LONGITUDINAL JOINT SEALANT	AGGREGATE WEDGE SHOULDERS, TYPE B	TEMPORARY RAMP		
			FOOT	FOOT	FOOT	FOOT	SQ YD	SQ YD	SQ YD (SHLD)	POUND	TON	TON	TON	FOOT	TON	SQ YD		
206+47	TO	206+92	45.0	24.00	0.00	6.00	150.00			101.3	16.8	14.7		45.0	3.4	50.0		
206+92	TO	252+00	4508.0	24.00		6.00		12021.3	3005.3	10143.0	1683.0	1472.6		4508.0	342.3	0.0		
252+00	TO	258+00	600.0	24.00	0.00	6.00			1600.0	1350.0	224.0	196.0		600.0	45.6	0.0		
258+00	TO	260+32	232.0	24.00	6.00	4.00			773.3	591.6	98.2	85.9		464.0	0.0	0.0		
260+32	TO	268+08	776.0	24.00	11.00	4.00			3017.8	2269.8	376.6	329.5		1552.0	0.0	0.0		
268+08	TO	269+40	132.0	24.00	6.00	4.00			440.0	336.6	55.9	48.9		264.0	0.0	0.0		
269+40	TO	269+50	10.0	24.00	0.00	4.00			26.7	21.0	3.5	3.0		10.0	0.0	0.0		
269+50	TO	270+57	107.0	24.00	0.00	11.00			285.3	280.9	32.0	28.0	**27.5	107.0	0.0	0.0		
270+57	TO	273+15	258.0	24.00	0.00	22.00			688.0	890.1	77.1	67.4	**132.4	258.0	0.0	0.0		
273+15	TO	277+67	452.0	24.00	0.00	11.00			1205.3	1186.5	135.0	118.1	**116	452.0	0.0	0.0		
277+67	TO	278+35	68.0	24.00	6.00	22.00			226.7	265.2	25.4	22.2	**34.9	136.0	0.0	0.0		
278+35	TO	279+62	127.0	24.00	6.00	0.00			423.3	285.8	47.4	41.5		254.0	0.0	0.0		
279+62	TO	290+00	1038.0	24.00	11.00	0.00			4036.7	2724.8	452.1	395.6		2076.0	0.0	0.0		
290+00	TO	292+50	250.0	24.00	6.00	0.00			833.3	562.5	93.3	81.7		500.0	0.0	0.0		
292+50	TO	292+70	20.0	24.00	0.00	4.00			53.3	42.0	7.0	6.1		20.0	0.0	0.0		
292+70	TO	293+50	80.0	24.00	0.00	6.00			213.3	180.0	29.9	26.1		80.0	6.1	0.0		
293+50	TO	312+29	1879.0	24.00	0.00	6.00		5010.7	1253	4227.8	701.5	613.8		1879.0	142.7	0.0		
312+29	TO	318+64	635.0	24.00	0.00	6.00			1693.3	1428.8	237.1	207.4		635.0	48.2	0.0		
318+64	TO	347+82	2918.0	24.00	0.00	6.00		7781.3	1945	6565.5	1089.4	953.2		2918.0	221.5	0.0		
347+82	TO	349+27	145.0	24.00	0.00	14.00		386.7	226	413.3	43.3	37.9	47.4	145.0	11.0	0.0		
349+27	TO	349+53	26.0													100.0		
BRIDGE OMISSION																		
349+53	TO	350+61	108.0	24.00	0.00	14.00		288.0	168	307.8	32.3	28.2	35.3	108.0	8.2	0.0		
350+61	TO	360+42	981.0	24.00	0.00	6.00		2616.0	654	2207.3	366.2	320.5		981.0	74.5	0.0		
STATION EQUATION																		
360+42 BK = 360+68 AH																		
360+68	TO	380+89	2021.0	24.00	0.00	6.00		5389.3	1347.3	4547.3	754.5	660.2		2021.0	153.4	0.0		
380+89	TO	381+34	45.0	24.00	0.00	6.00	150.00			101.3	16.8	14.7	0.0	45.0	3.4	50.0		
381+34	TO	382+97	163.0													0.0		
BRIDGE OMISSION																		
382+97	TO	383+42	45.0	24.00	0.00	8.00	150.00			101.3	16.80	14.70	0.00	45.00	3.40	50.00		
383+42	TO	525+66	14224.0	24.00	0.00	6.00		37930.7	9482.7	32004.0	5310.3	4646.5		14224.0	1080.0	0.0		
525+66	TO	528+66	300.0	24.00	0.00	14.00		800.0	466.7	855.0	89.6	78.4	98.0	300.0	22.8	0.0		
528+66	TO	553+67	2501.0	24.00	0.00	6.00		6669.3	1667.3	5627.3	933.7	817.0		2501.0	189.9	0.0		
553+67	TO	555+21	154.0	24.00	11.00	3.00		410.7	239.6	438.9	51.7	45.3	39.5	154.0	11.7	0.0		
555+21	TO	556+39	118.0	24.00	5.00	3.00		380.2	39.3	283.2	47.0	41.1	13.8	118.0	9.0	0.0		
556+39	TO	614+64	5825.0	24.00	0.00	6.00		15533.3	3883.3	13106.3	2174.7	1902.8		5825.0	442.3	0.0		
STATION EQUATION																		
614+64 BK = 614+70 AH																		
614+70	TO	668+24	5354.0	24.00	0.00	6.00		14277.3	3569.3	12046.5	1998.8	1749.0		5354.0	406.5	0.0		
668+24	TO	692+00	2376.0													0.0		
WYCKLES INTERSECTION OMISSION																		
692+00	TO	724+37	3237.0	24.00	0.00	6.00		8632.0	2158.0	7283.3	1208.5	1057.4		3237.0	245.8	0.0		
STATION EQUATION																		
724+37 BK = 665+00 AH																		
665+00	TO	667+84	284.0	24.00	0.00	6.00		757.3	189.3	639.0	106.0	92.8		284.0	21.6	0.0		
667+84	TO	668+29	45.0	24.00	0.00	6.00	150.0			101.3	16.8	14.7		45.0	3.4	50.0		
TOTAL (CITY)																		
								110804.2	30293.8	15516.4	2876.8	113516.0	18552.0	16233.0	155.4	52145.0	3497.0	300.0
								600.0	149178.0	18393.2	113516.0	18552.0	16233.0	551.1	52145.0	3497.0	300.0	

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USER NAME = Mona.Steffen	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/21/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

SCALE: N/A SHEET 1 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128, 129)RS-4	MACON	59	11
CONTRACT NO. 74813				
ILLINOIS FED. AID PROJECT				

BOX CULVERT SCHEDULE	HEADWALL TO HEADWALL	PRECAST CONCRETE BOX CULVERTS 5'X 2' 540100502	BOX CULVERT END SECTIONS, CULVERT NO. 1 54001001	REMOVAL OF EXISTING STRUCTURES 50100100	REMOVAL & DISPOSAL OF UNSUITABLE MATERIAL 20201200	POROUS GRANULAR EMBANKM ENT 20900110	STONE RIPRAP, CLASS A3 28100105	FILTER FABRIC 28200200	STRUCTURE EXCAVATION 50200100	ROCK FILL-REPLACEMENT 20054505	GEOCOMPOSIT WALL DRAIN 59100100	MEMBRANE WATERPROOFING SYSTEM FOR BURIED STRUCTURES X0900064	CLASS D PATCHES, TYPE IV, 12 INCH 44201796	BASE COURSE WIDENING 6" 35650100
STATION	FOOT	EACH	EACH	CU YD	CU YD	SQ YD	SQ YD	CU YD	TON	SQ YD	SQ YD	SQ YD	SQ YD	
251+35	40.0	40.0	2.0	1.0	10.6	48.9	22.2	22.2	14.4	21.0	36.0	36.0	50.0	90.0

SURVEY MARKER SCHEDULE											
POINT	NORTHING	EASTING	STATION	OFFSET	DESCRIPTION	TIES	PROTECTING OR RESETTING SURVEY MARKERS Z0049799	SURVEY MARKER VAULT Z0070202			
							EACII	EACII			
2	1,101,519.0791	757,680.8391	212+00.00	0.0'	PI KINK - MAG AND WASH	YES	1				
4	1,104,854.9839	760,744.6447	257+29.37	0.0'	PC - MAG AND WASH	YES	1				
5	1,104,997.1590	760,875.2230	259+22.41	13.0' LT	PI - ALUMINUM DISK	YES	1				
6	1,105,099.6048	761,038.8363	261+13.13	0.0'	PT - ALUMINUM DISK	YES	1				
7	1,105,269.5533	761,310.2561	264+33.37	0.0'	PC - MAG AND WASH ON EDGE OF DISK	YES	1				
8	1,105,364.1183	761,461.2831	266+11.56	12.0' RT	PI - STEM OF DISK	YES	1				
9	1,105,495.2970	761,581.8808	267+87.61	0.0'	PT - ALUMINUM DISK	YES	1				
10	1,106,892.2808	762,866.1819	286+85.24	0.0'	PC - ALUMINUM DISK	YES	1				
11	1,107,044.9043	763,006.4946	288+92.56	14.7'	PI - ALUMINUM DISK	YES	1				
12	1,107,228.9746	763,101.8871	290+97.45	0.0'	PT - MAG AND WASH WITH DISK 1.0' TO SOUTH	YES	1				
13	1,107,482.4460	763,233.2461	293+82.93	0.0'	PC - MAG AND WASH WITH DISK 0.2' TO SOUTH	YES	1				
14	1,107,654.6190	763,322.4730	295+76.85	12.6' LT	PI - ALUMINUM DISK	YES	1				
15	1,107,797.4486	763,453.6396	297+68.50	0.0'	PT - MAG AND WASH WITH DISK 2.2' TO SOUTH	YES	1				
16	1,109,616.8680	765,124.4920	322+38.73	0.0'	PI KINK - MAG AND WASH	YES	1				
17	1,112,417.2890	767,698.3180	360+42.28 BK = 360+38.86 AH	0.0'	PI KINK / STA EQ - MAG AND WASH	YES	1				
19	1,115,848.7382	770,852.9179	407+00.01	0.0'	PC - MAG AND WASH	YES	1				
20	1,116,584.9481	771,529.7303	417+00.05	5.1' LT	PI - MAG AND WASH	YES	1				
21	1,117,306.7875	772,221.8488	427+00.02	0.0'	PT - MAG AND WASH	YES	1				
22	1,118,172.9511	773,052.3491	439+00.00	0.0'	PI KINK - MAG AND WASH	YES	1				
24	1,122,576.2752	777,273.8021	500+00.00	0.0'	PI KINK - MAG AND WASH	YES	1				
25	1,125,107.2972	779,702.4607	535+07.77	0.0'	PI KINK - MAG AND WASH	YES	1				
26	1,126,253.3452	780,801.4936	550+95.63	0.0'	PC - MAG AND WASH	YES	1				
27	1,126,614.2234	781,147.5672	555+95.63	8.9' RT	PI - MAG AND WASH	YES	1				
28	1,126,999.6594	781,466.0622	560+95.17	0	PT - MAG AND WASH	YES	1				
29	1,128,123.2173	782,394.4853	575+52.69	0	PC - MAG AND WASH	YES	1				
30	1,128,508.6533	782,712.9804	580+52.69	9.5' LT	PI - MAG AND WASH	YES	1				
31	1,128,868.8321	783,059.7818	585+52.21	0	PT - MAG AND WASH	YES	1				
32	1,129,215.0433	783,393.1343	590+32.82	0	PC - MAG AND WASH	YES	1				
34	1,130,031.5521	784,065.1055	600+91.35	0.0'	PT - MAG AND WASH	YES	1				
35	1,130,330.5204	784,279.9709	604+66.05	0.0'	PC - MAG AND WASH	YES	1				
37	1,131,116.1320	784,905.2046	614+64.58 BK = 614+70.60 AH	0.0'	PT/STA EQ - MAG AND WASH	YES	1				
39	1,134,560.2070	788,073.2390	661+50.14	0.0'	PI KINK - VAULT	YES		1			
40	1,137,600.7960	790,871.2790	702+82.24	0.0'	PI KINK - VAULT	YES			1		
41	1,139,185.3861	792,332.4193	724+37.66 BK = 665+00.00 AH	0.0'	PI KINK/STA EQ - MAG AND WASH	YES	1				
TOTAL							32.0	2.0			

ADA CONSTRUCTION SCHEDULE								
LOCATION	PORTLAND CEMENT CONCRETE SIDEWALK 6 INCH	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 10"	CONCRETE CURB, TYPE B	DETECTABLE WARNINGS	INLETS TO BE ADJUSTED
	(SQ FT)	(SQ YD)	(FOOT)	(FOOT)	(SQ YD)	(FOOT)	(SQ FT)	(EACH)
INTERSECTION OF PRAIRIE & SEIBERLING ST W/ IL 48								
SE QUADRANT	166.96	0.0	0.0	42.52	0.00	0.0	20.0	0.0
SW QUADRANT	124.42	46.89	0.0	24.14	44.52	18.2	10.0	0.0
INTERSECTION OF NILES ST W/ IL 48								
NE QUADRANT	213.74	0.0	25.59	0.0	52.90	0.0	14.5	0.0
SE QUADRANT	225.96	0.0	0.0	27.62	55.71	0.0	10.0	0.0
ISLAND	191.79	0.0	37.49	0.0	96.39	0.0	20.0	0.0
INTERSECTION OF MOUND ST W/ IL 48								
SE QUADRANT	251.50	0.0	0.0	27.47	54.93	0.0	13.2	1.0
SW QUADRANT	208.92	0.0	0.0	43.56	36.43	0.0	20.0	1.0
INTERSECTION OF BOLLS ST W/ IL 48								
SE QUADRANT	0.0	0.0	0.0	18.43	0.0	0.0	0.0	0.0
SW QUADRANT	0.0	0.0	0.0	15.55	31.27	0.0	0.0	0.0
TOTAL	1383.5	47.0	63.5	199.5	42.0	19.0	108.0	2.0

ADA REMOVAL SCHEDULE				
LOCATION	PAVEMENT REMOVAL	COMBINATION CURB AND GUTTER REMOVAL	SIDEWALK REMOVAL	DRIVEWAY PAVEMENT REMOVAL
	(SQ YD)	(FOOT)	(SQ FT)	(SQ YD)
INTERSECTION OF PRAIRIE & SEIBERLING ST W/ IL 48				
SE QUADRANT	0.0	44.63	131.72	0.0
SW QUADRANT	46.49	43.26	116.13	47.7
INTERSECTION OF NILES ST W/ IL 48				
NE QUADRANT	79.19	25.61	309.10	0.0
SE QUADRANT	55.65	36.27	231.55	0.0
ISLAND	120.30	38.94	194.05	0.0
INTERSECTION OF MOUND ST W/ IL 48				
SE QUADRANT	111.38	27.50	247.72	0.0
SW QUADRANT	79.39	41.77	198.27	0.0
INTERSECTION OF BOLLS ST W/ IL 48				
NW QUADRANT	0.00	18.39	141.85	0.0
SW QUADRANT	31.27	15.53	85.16	0.0
TOTAL	59.0	292.0	1656.0	48.0

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USER NAME = Mona.Steffen	DESIGNED -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/21/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES					
SCALE: N/A	SHEET 2	OF 4	SHEETS	STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128, 129)RS-4	MACON	59	12
CONTRACT NO. 74813				
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING SCHEDULE

STATION	TO	STATION	LENGTH	NO PASSING ZONE (RT / LT / DBL)	PAINT PAVEMENT MARKING - LINE 4" (WHITE) 78001110	PAINT PAVEMENT MARKING - LINE 4" (YELLOW) 78001110	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS 78000100	THERMOPLASTIC PAVEMENT MARKING - LINE 4" 78000200			THERMOPLASTIC PAVEMENT MARKING - LINE 6" 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 12" 78000600	GROOVING FOR RECESSED PAVEMENT MARKING - LETTERS AND SYMBOLS 7801100	GROOVING FOR RECESSED PAVEMENT MARKING 5" 78011025		GROOVING FOR RECESSED PAVEMENT MARKING 7" 78011035	GROOVING FOR RECESSED PAVEMENT MARKING 13" 78011065	SHORT TERM PAVEMENT MARKING 70300100	SHORT TERM PAVEMENT MARKING REMOVAL 70300150	THERMOPLASTIC PAVEMENT MARKING - 24" 78000650		GROOVING FOR RECESSED PAVEMENT MARKING 25" 78011125	
								(WHITE) - FOOT	(WHITE) - FOOT	(YELLOW) - FOOT				FOOT	FOOT					SQ FT	FOOT	FOOT	FOOT
206+47.00	TO	257+20.00	5073.0		10146.0	6341.3																	
257+20.00	TO	292+70.00	3550.0				208.0	**52.5	52.5	14700.0	593.0	686.0	672.0	**52.5	14752.5	593.0	686.0	1426.9	470.9	**25.0	25.0	**25.0	25.0
292+70.00	TO	360+42.00	6772.0		13544.0	1693.0												677.2	169.3				
STATION EQUATION																							
360+68.00	TO	543+69.00	18301.0		36602.0	4575.3												1830.1	457.5				
543+69.00	TO	555+03.00	1134.0	RT	2268.0	78.0																	
555+03.00	TO	557+07.00	204.0	DBL	408.0	408.0												20.4	5.1				
557+07.00	TO	561+72.00	465.0	LT	930.0	581.3												46.5	11.6				
561+72.00	TO	614+64.00	7345.0		14690.0	1836.3												734.5	183.6				
STATION EQUATION																							
614+70.00	TO	706+02.00	9132.0		18264.0	2283.0												913.2	228.3				
706+02.00	TO	715+23.00	921.0	RT	1842.0	1151.3												92.1	23.0				
715+23.00	TO	716+29.00	106.0		212.0	26.5												10.6	2.7				
716+29.00	TO	724+37.00	808.0	LT	1616.0	1010.0												80.8	20.2				
STATION EQUATION																							
665+00.00	TO	665+82.00	82	LT	164	103												8	2				
665+82.00	TO	668+29.00	247.0	RT	494.0	309												24.7	6.2				
					EDGELINE DEDUCTIONS	8123.0												0.0	0.0				
					TOTAL (CITY)			52.5		**77.0			52.5		**77.0					25.0		25.0	
					TOTAL (STATE)	101180.0	20395.0	208.0		14752.5	516.0	686.0	672.0	14752.5	516.0	686.0	6372.0	1707.0		25.0		25.0	25.0
					TOTAL	113452.0		208.0		14805.0	593.0	686.0	672.0	14805.0	593.0	686.0	6372.0	1707.0		50.0		50.0	

**Denoted locations shall be the city's responsibility, per the agreement and breakout on the summary of quantities.

STATION	TO	STATION	RAISED REFLECTIVE PAVEMENT MARKER 78100100	
			CRYSTAL	AMBER
206+47.00		668+29.00	15.0	869.0
TOTAL			884.0	

MODEL: Default
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PROJECT: 74813\CADD\Drawings\CAD\Drawings\DOT\Drawings\Drawings\74813\pht-sched.tbl.dgn

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	DRAWN -	REVISED -
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PLOT DATE = 10/21/2022	DATE -	REVISED -

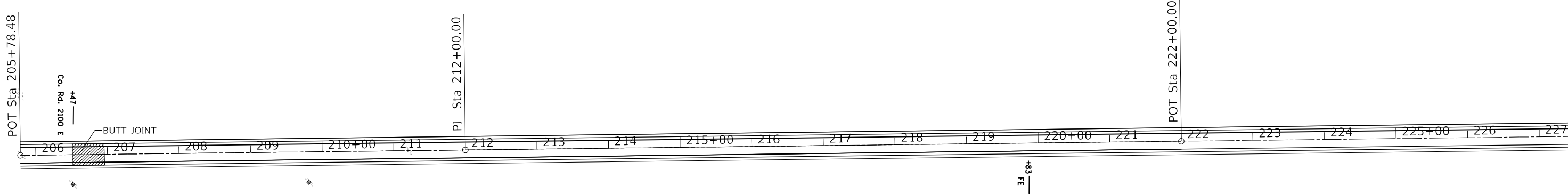
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

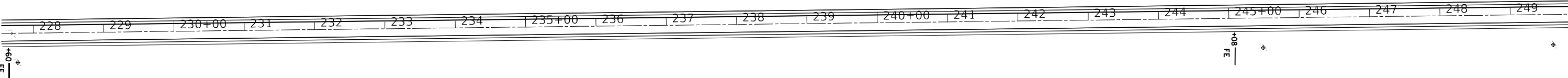
SCALE: N/A SHEET 3 OF 4 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128, 129)RS-4	MACON	59	13
CONTRACT NO. 74813				
		ILLINOIS	FED. AID PROJECT	

206+47 - 227+53



227+53 - 249+95



MODEL: Default
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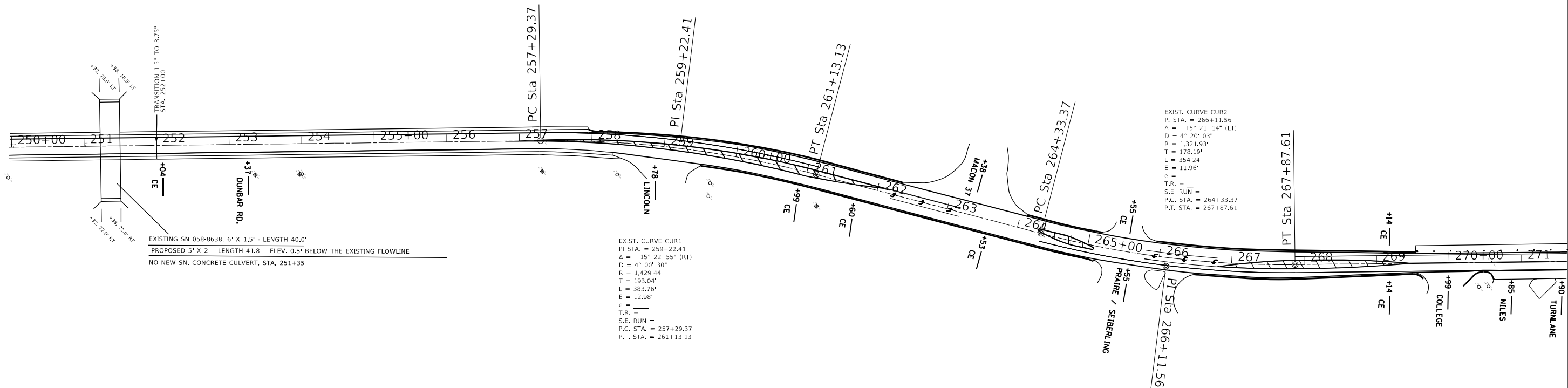
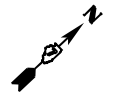
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	DRAWN -	REVISED -
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PLOT DATE = 10/21/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

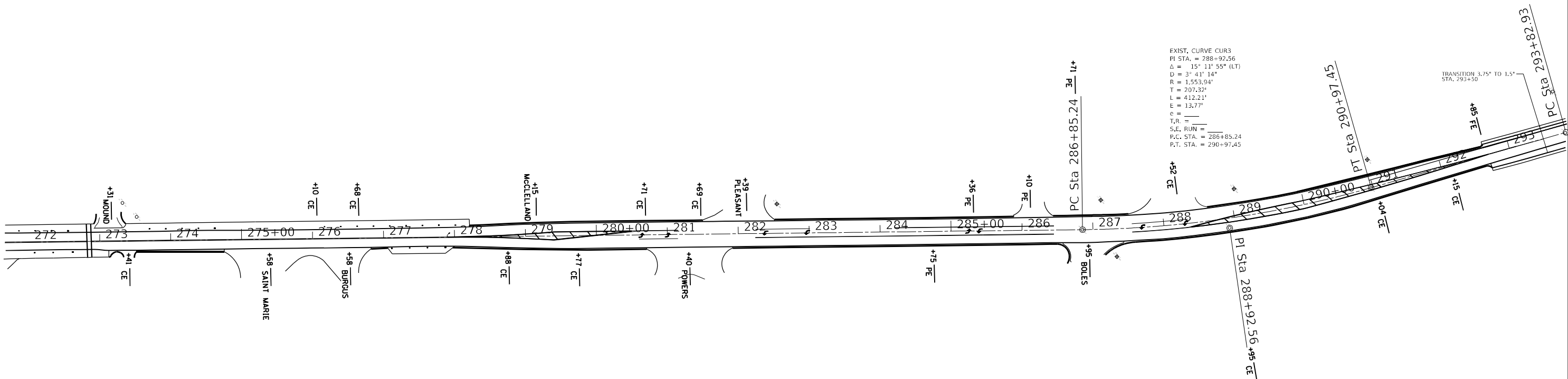
PLAN SHEETS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128, 129) RS-4	MACON	59	15
CONTRACT NO. 74813				
ILLINOIS FED. AID PROJECT				

249+95 - 271+64



271+64 - 293+87



MODEL: Default
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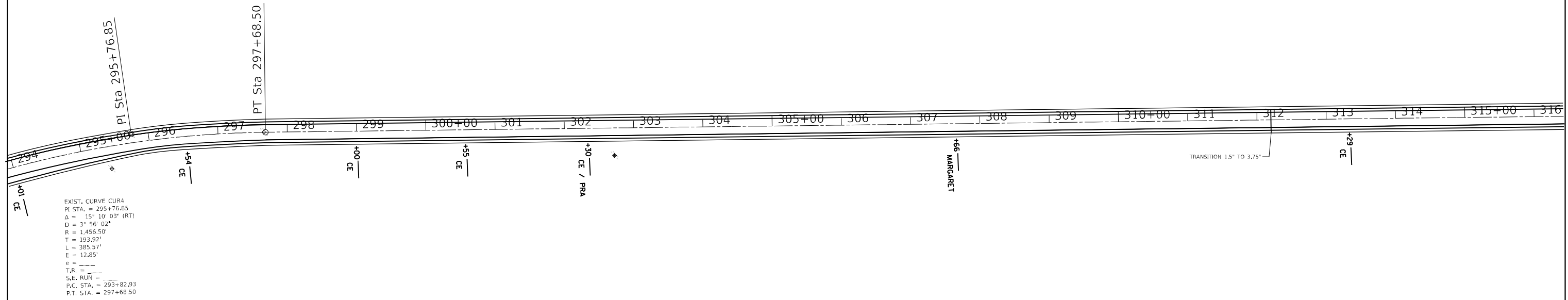
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DRAWN -	REVISOR -	REVISION -
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PLOT DATE = 10/21/2022	DATE -	REVISION -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

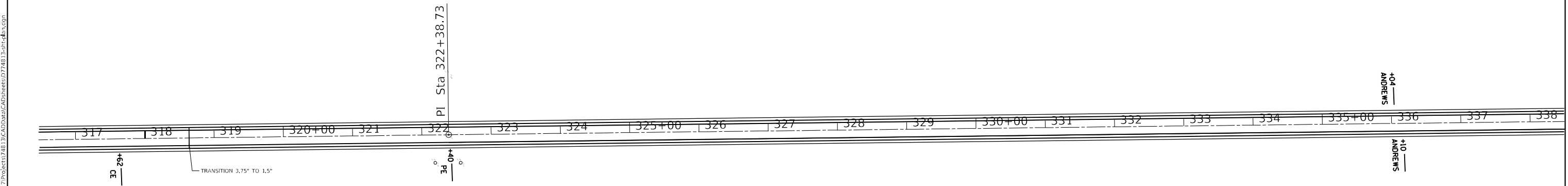
PLAN SHEETS				
SCALE:	SHEET	OF	SHEETS	STA.
				TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128, 129) RS-4	MACON	59	16
CONTRACT NO. 74813				
ILLINOIS FED. AID PROJECT				

293+87 - 316+45



316+45 - 338+50



Model: Default
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USER NAME = Mona.Steffen	DESIGNED -	REVISED -
PLOT SCALE = 142,7815' / in.	DRAWN -	REVISED -
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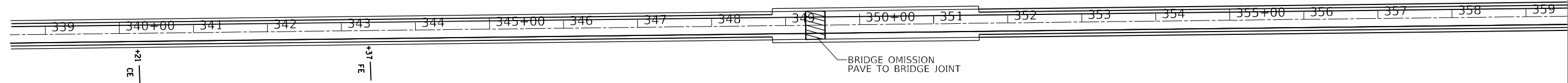
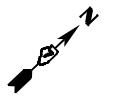
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

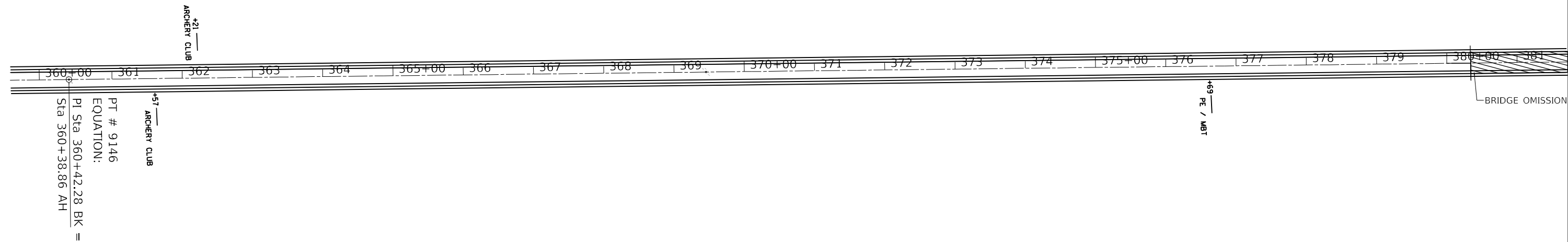
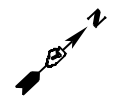
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128, 129) RS-4	MACON	59	17
CONTRACT NO. 74813				
ILLINOIS FED. AID PROJECT				

338+50 - 359+57



359+57 - 381+73



MODEL: Default
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 PLOT DATE: 10/21/2022

USER NAME = Mona.Steffen	DESIGNED -	REVISED -
DRAWN -	REVISIED -	
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PLOT DATE = 10/21/2022	DATE -	REVISED -

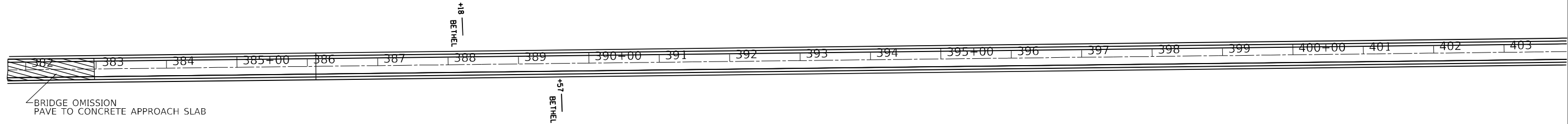
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

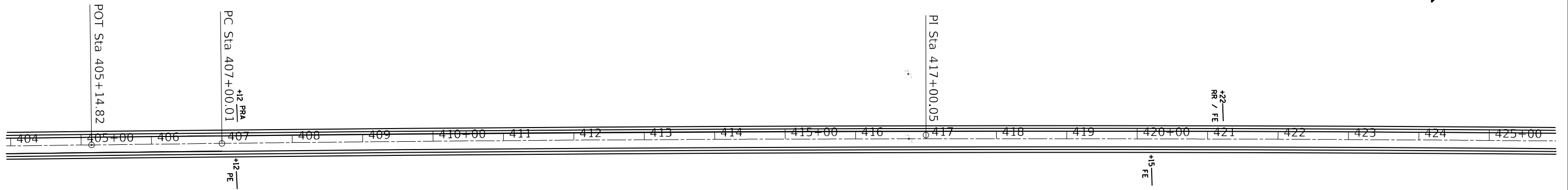
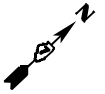
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128, 129) RS-4	MACON	59	18
CONTRACT NO. 74813				
ILLINOIS FED. AID PROJECT				

381+73 - 403+91



403+91 - 425+90



EXIST. CURVE CUR5
 PI STA. = 417+00.05
 $\Delta = 1^\circ 12' 10''$ (RT)
 $D = 0^\circ 03' 37''$
 $R = 95,263.67'$
 $T = 1,000.04'$
 $L = 2,000.01'$
 $E = 5.25'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 P.C. STA. = 407+00.01
 P.T. STA. = 427+00.02

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 PROJECT: 174813\CADD\Drawings\CADD\Drawings\74813-13-13-21-2022.dwg

USER NAME = Mona.Steffen	DESIGNED -	REVISED -
PLOT SCALE = 1/4"=100'	DRAWN -	REVISED -
PLOT DATE = 10/21/2022	CHECKED -	REVISED -
	DATE -	REVISED -

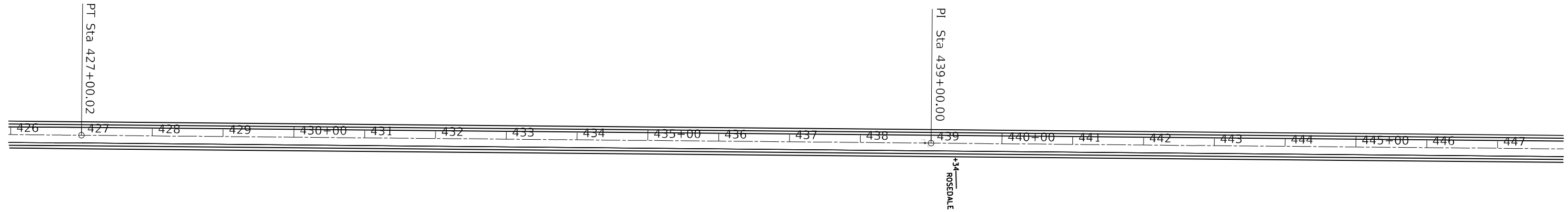
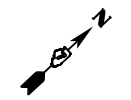
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

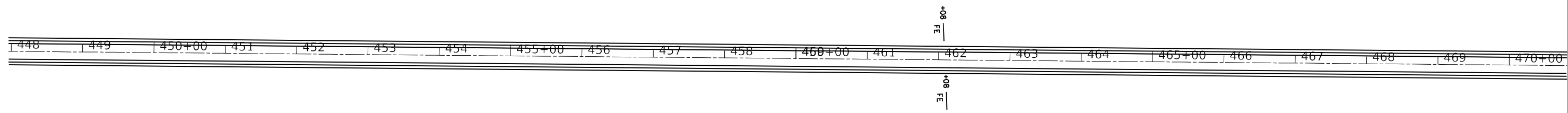
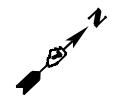
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128, 129) RS-4	MACON	59	19
CONTRACT NO. 74813				
ILLINOIS FED. AID PROJECT				

425+90 - 447+95



447+95 - 470+83



MODEL: Default
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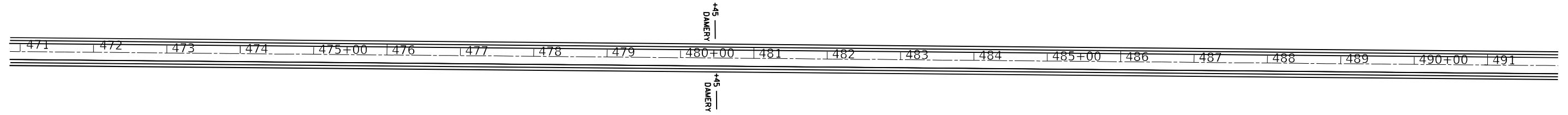
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PLOT SCALE = 142.7815' / in.	DRAWN -	REVISED -
PLOT DATE = 10/21/2022	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

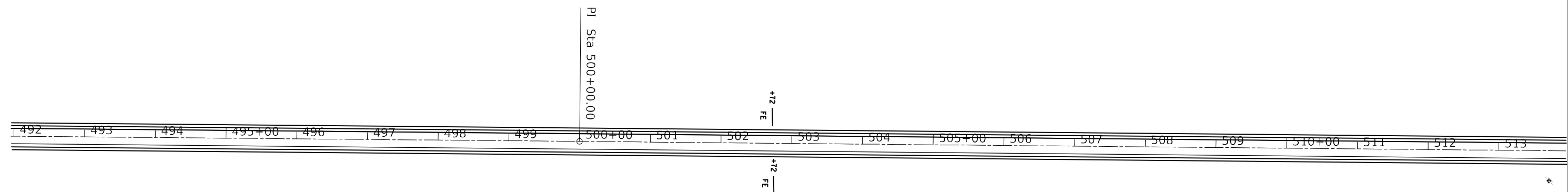
PLAN SHEETS			
SCALE:	SHEET	OF	SHEETS
	STA.		TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128, 129) RS-4	MACON	59	20
CONTRACT NO. 74813				
ILLINOIS FED. AID PROJECT				

470+83 - 491+96



491+96 - 513+97



MODEL: Default
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	DRAWN -	REVISED -
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PLOT DATE = 10/21/2022	DATE -	REVISED -

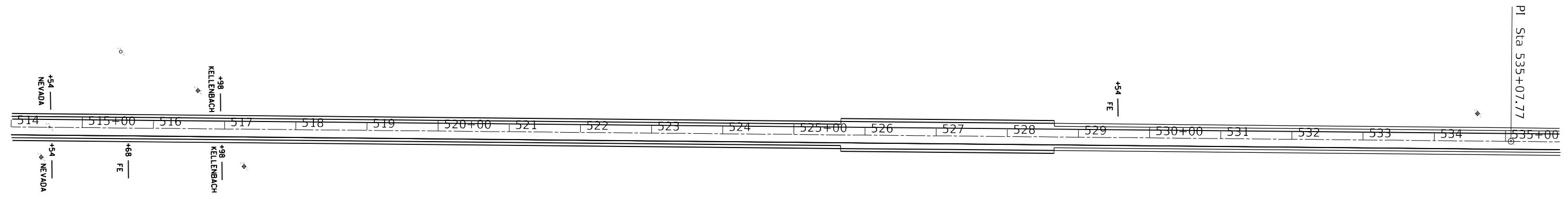
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS

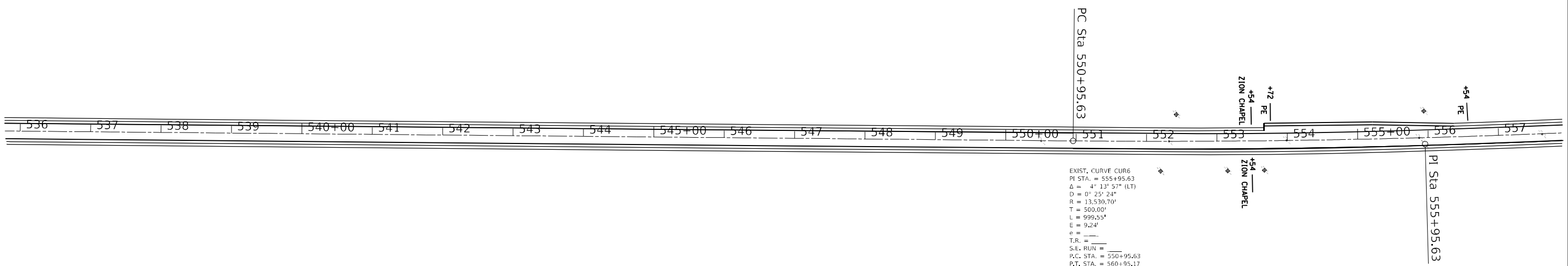
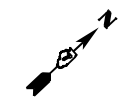
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128, 129) RS-4	MACON	59	21
CONTRACT NO. 74813			ILLINOIS FED. AID PROJECT	

513+97 - 535+73



535+73 - 557+90



EXIST. CURVE CUR6
 PI STA. = 555+95.63
 $\Delta = 4^\circ 13' 57''$ (LT)
 $D = 0^\circ 25' 24''$
 $R = 13,530.70'$
 $T = 500.00'$
 $L = 999.55'$
 $E = 9.24'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 550+95.63$
 $P.T. STA. = 560+95.17$

MODEL: Default
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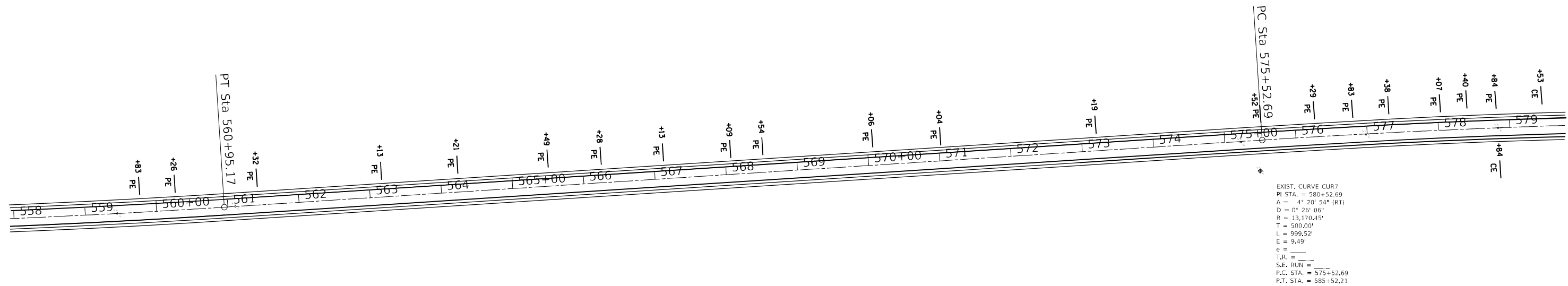
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PLOT SCALE = 142,7815' / in.	DRAWN -	REVISED -
PLOT DATE = 10/21/2022	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

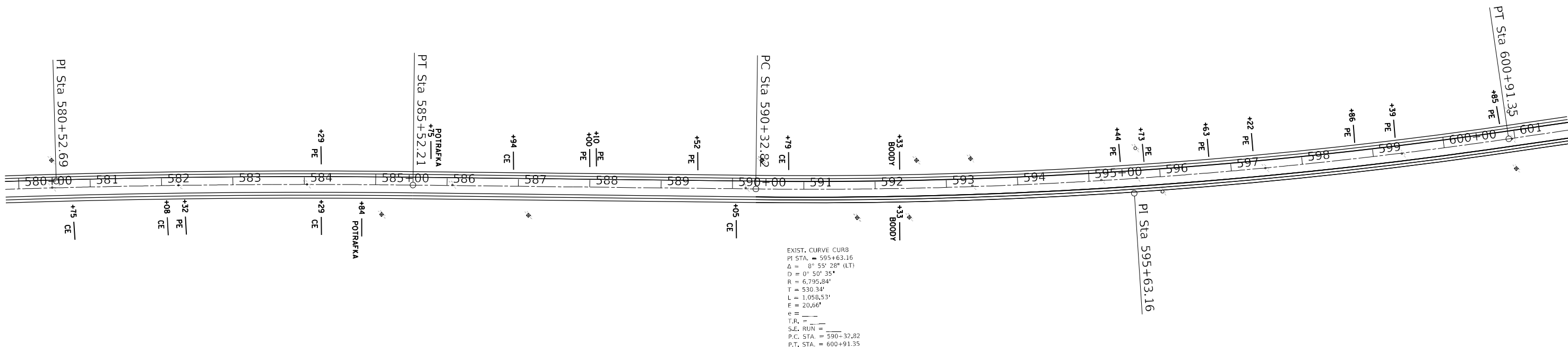
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128, 129) RS-4	MACON	59	22
CONTRACT NO. 74813				
ILLINOIS FED. AID PROJECT				

557+90 - 579+85



EXIST. CURVE CUR7
 PI STA. = 580+52.69
 Δ = 4° 20' 54" (RT)
 D = 0° 26' 06"
 R = 13,170.45'
 T = 500.00'
 L = 999.52'
 E = 9.49'
 e =
 T.R. =
 S.F. RUN =
 P.C. STA. = 575+52.69
 P.T. STA. = 585+52.21

579+85 - 601+77



EXIST. CURVE CUR8
 PI STA. = 595+63.16
 Δ = 0° 55' 28" (LT)
 D = 0° 50' 35"
 R = 6,795.84'
 T = 530.34'
 L = 1,058.53'
 E = 20.66'
 e =
 T.R. =
 S.F. RUN =
 P.C. STA. = 590+32.82
 P.T. STA. = 600+91.35

MODEL: Default
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USER NAME = Mona.Steffen	DESIGNED -	REVISED -
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PLOT DATE = 10/21/2022	DATE -	REVISED -

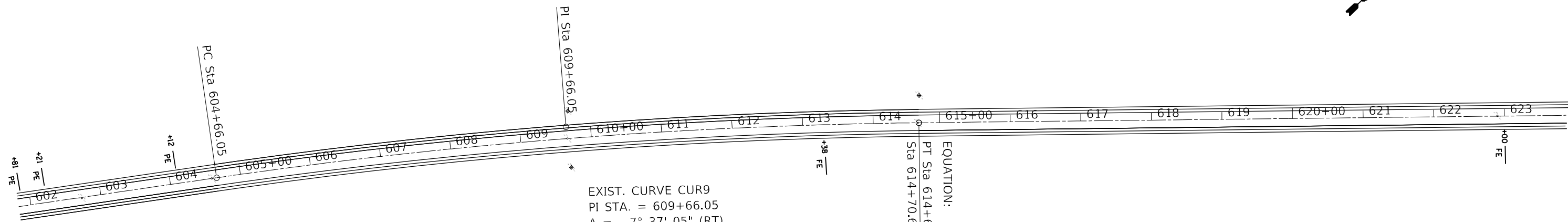
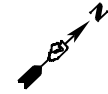
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128, 129) RS-4	MACON	59	23
CONTRACT NO. 74813				
ILLINOIS FED. AID PROJECT				

601+77 - 623+93



EXIST. CURVE CUR9
 PI STA. = 609+66.05
 $\Delta = 7^\circ 37' 05''$ (RT)
 $D = 0^\circ 45' 47''$
 $R = 7,510.07'$
 $T = 500.00'$
 $L = 998.53'$
 $E = 16.63'$
 $e = \underline{\hspace{1cm}}$
 $T.R. = \underline{\hspace{1cm}}$
 $S.E. RUN = \underline{\hspace{1cm}}$
 P.C. STA. = 604+66.05
 P.T. STA. = 614+64.58

EQUATION:
 PT Sta 614+64.58 BK =
 Sta 614+70.60 AH

623+93 - 645+89



MODEL: Default
 FILE: Mainfile.plt
 PLOT DATE: 10/21/2022
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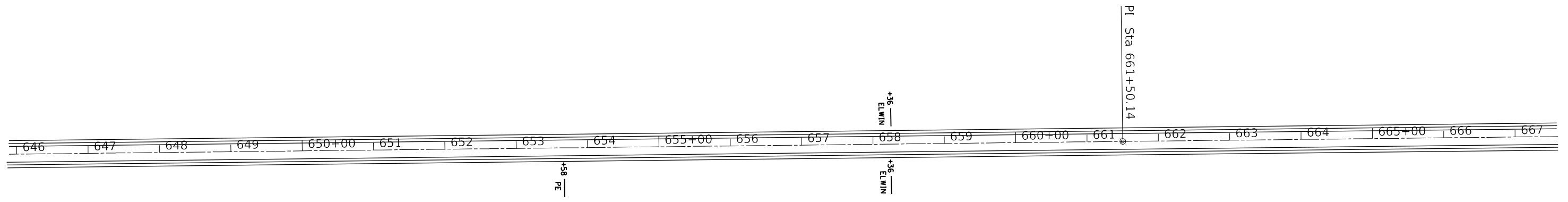
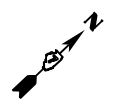
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

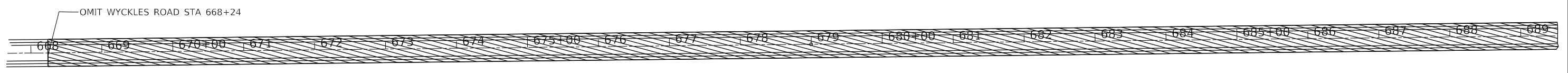
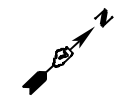
PLAN SHEETS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128, 129) RS-4	MACON	59	24
CONTRACT NO. 74813				
ILLINOIS FED. AID PROJECT				

645+89 - 667+60



667+60 - 689+50



MODEL: Default
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PLOT SCALE = 142,7815' / in.	DRAWN -	REVISED -
PLOT DATE = 10/21/2022	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN SHEETS

SCALE: SHEET OF SHEETS STA. TO STA.

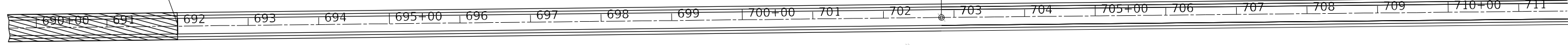
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128, 129) RS-4	MACON	59	25
CONTRACT NO. 74813				
ILLINOIS FED. AID PROJECT				

689+50 - 711+69

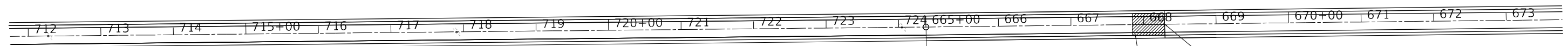
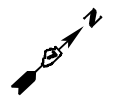


OMIT WYCKLES ROAD STA. 692+00

PI Sta 702+82.24



711+69 - 673+77



+96
FE

EQUATION:
POT Sta 724+37.66 BK =
Sta 665+00.00 AH

JOB ENDS
STA. 668+29
CONC. JOINT

MODEL: Default
FILE: \\mace.pw.us\idirect-cw-beadley.com\P\INDOT\Documents\DOT Offices\Director_7\Projects\74813\CADD\Drawings\CAD\Sheets\0774813-sht-dba.dwg

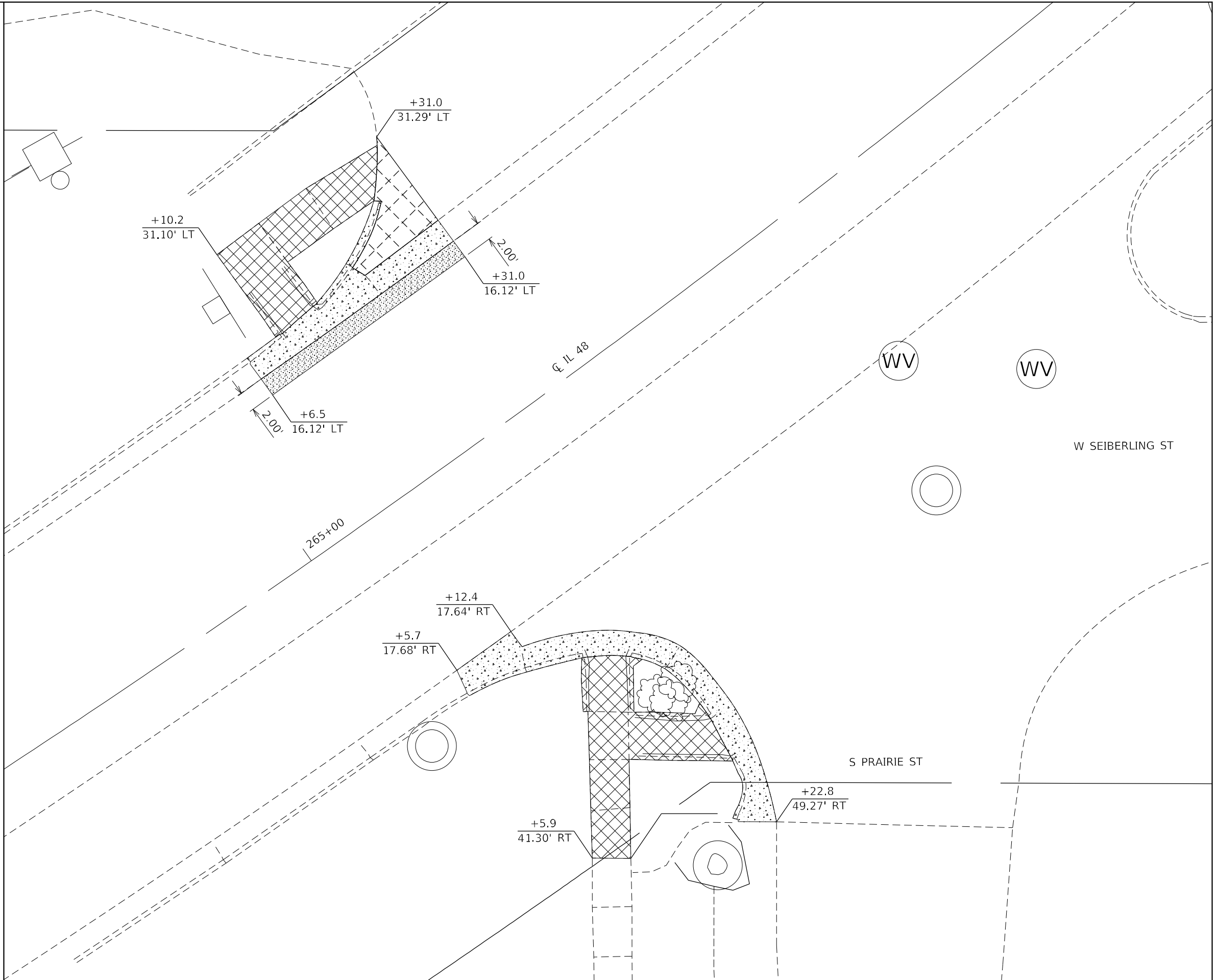
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PLOT SCALE = 1/42,7815' / in.	DRAWN -	REVISED -
PLOT DATE = 10/21/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEETS			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128, 129) RS-4	MACON	59	26
CONTRACT NO. 74813				
ILLINOIS FED. AID PROJECT				

PRAIRIE/SIEBERLING ST INTERSECTION



LEGEND

- SIDEWALK REMOVAL
- CURB AND GUTTER REMOVAL
- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL

MODEL: Default
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USER NAME = Mona.Steffen	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 10/21/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

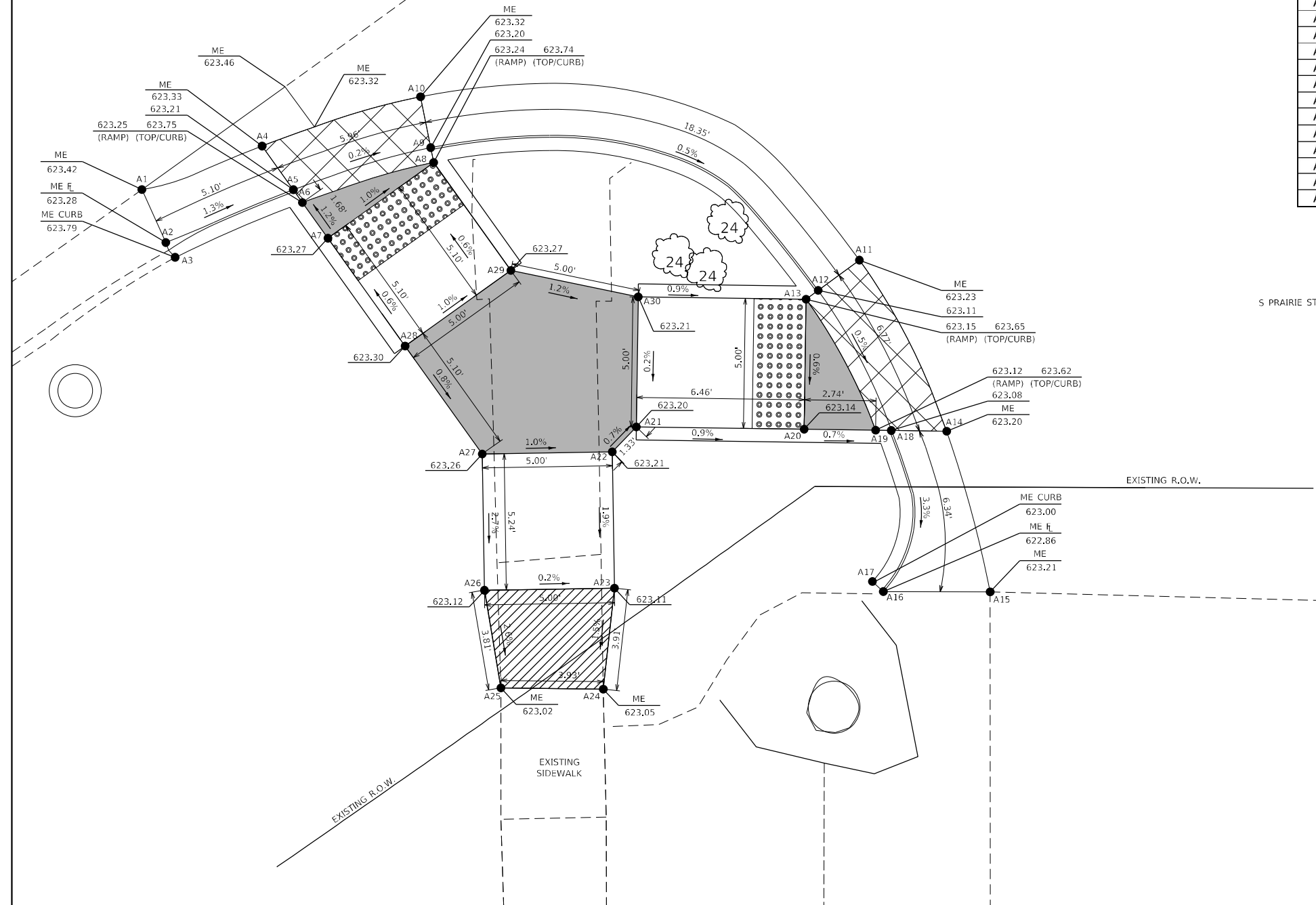
**ADA DETAILS
PRAIRIE /SIEBERLING ST INTERSECTION**

SCALE: N/A SHEET 1 OF 11 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128, 129) RS-4	MACON	59	27
CONTRACT NO. 74813				
ILLINOIS FED. AID PROJECT				



CRITICAL POINTS		
POINT	STATION	OFFSET
A1	265+05.70	17.68' RT
A2	265+05.30	19.87' RT
A3	265+05.30	20.54' RT
A4	265+10.40	18.98' RT
A5	265+10.40	21.05' RT
A6	265+10.40	21.65' RT
A7	265+10.40	23.34' RT
A8	265+15.30	23.33' RT
A9	265+15.50	22.80' RT
A10	265+16.30	20.98' RT
A11	265+26.10	35.96' RT
A12	265+24.20	35.97' RT
A13	265+23.70	35.97' RT
A14	265+25.00	43.26' RT
A15	265+22.80	49.24' RT
A16	265+19.60	46.82' RT
A17	265+19.50	46.26' RT
A18	265+23.40	41.98' RT
A19	265+22.90	41.62' RT
A20	265+20.80	39.98' RT
A21	265+15.70	36.14' RT
A22	265+14.40	36.37' RT
A23	265+11.50	40.69' RT
A24	265+09.00	43.61' RT
A25	265+05.90	41.30' RT
A26	265+07.50	37.86' RT
A27	265+10.40	33.54' RT
A28	265+10.40	28.44' RT
A29	265+15.30	28.43' RT
A30	265+18.60	32.11' RT



LEGEND

- ME MATCH EXISTING
- DEPRESSED CURB & GUTTER
- TRANSITIONAL SEGMENT
- TURNING SPACE/LANDING

MODEL: Default
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USER NAME = Mona.Steffen	DESIGNED -	REVISED -
DRAWN -	REVISOR -	REVISED -
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PLOT DATE = 10/21/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA DETAILS
SIEBERLING ST - SOUTHEAST QUAD**

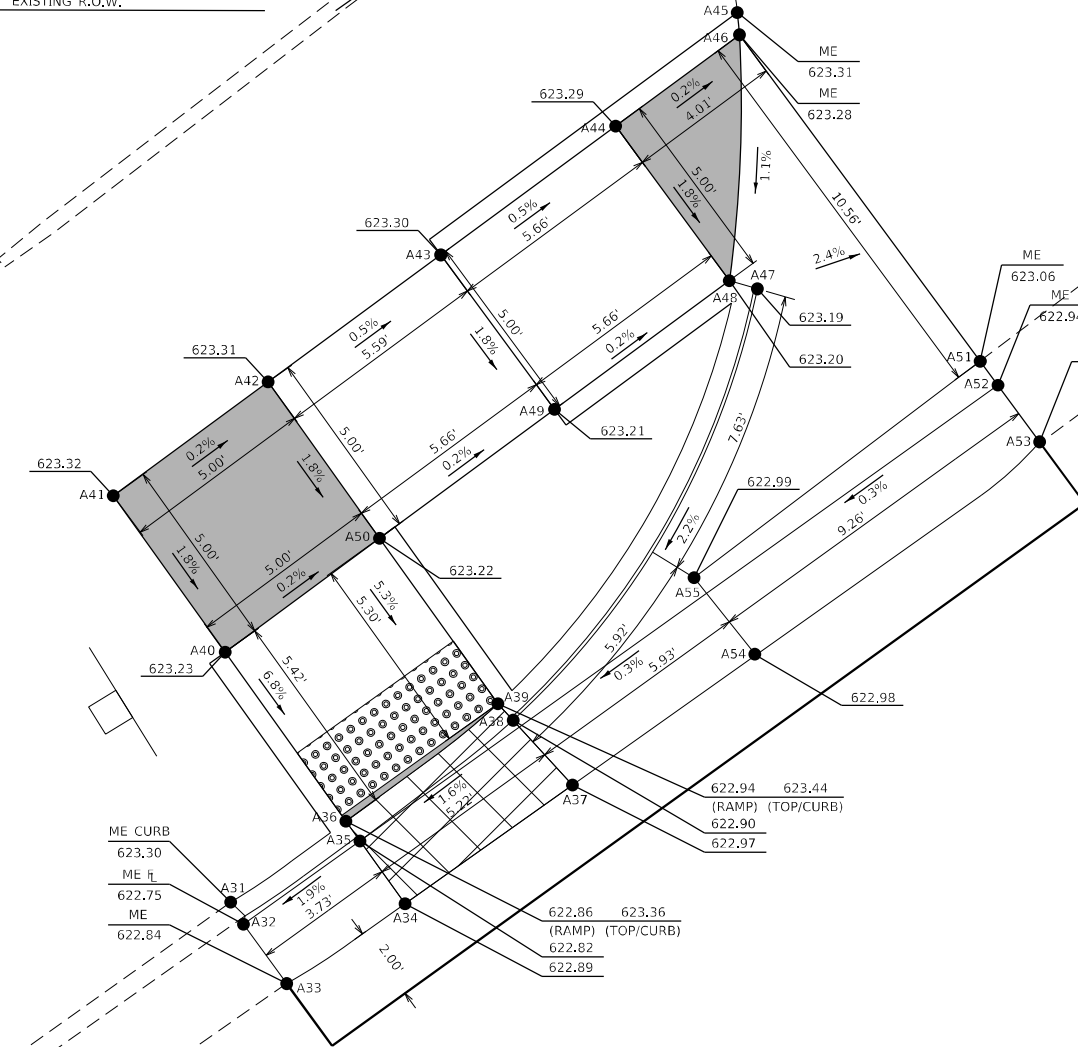
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128, 129) RS-4	MACON	59	28
CONTRACT NO. 74813				

ILLINOIS FED. AID PROJECT



EXISTING R.O.W.



CRITICAL POINTS			
POINT	STATION	OFFSET	
A31	265+06.50	20.70'	LT
A32	265+06.50	20.04'	LT
A33	265+06.50	18.12'	LT
A34	265+10.30	18.04'	LT
A35	265+10.30	20.05'	LT
A36	265+10.30	20.69'	LT
A37	265+15.70	18.02'	LT
A38	265+15.40	20.30'	LT
A39	265+15.30	20.88'	LT
A40	265+10.30	26.10'	LT
A41	265+10.20	31.10'	LT
A42	265+15.40	31.18'	LT
A43	265+21.10	31.24'	LT
A44	265+26.90	31.28'	LT
A45	265+31.30	31.79'	LT
A46	265+31.00	31.29'	LT
A47	265+27.40	25.68'	LT
A48	265+26.90	26.28'	LT
A49	265+21.10	26.24'	LT
A50	265+15.40	26.18'	LT
A51	265+31.00	20.73'	LT
A52	265+31.00	19.95'	LT
A53	265+31.00	18.08'	LT
A54	265+21.60	18.02'	LT
A55	265+21.50	20.56'	LT

LEGEND

- ME MATCH EXISTING
- DEPRESSED CURB & GUTTER
- TRANSITIONAL SEGMENT
- TURNING SPACE/LANDING

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USER NAME = Mona.Steffen	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 5,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/21/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAILS
SIEBERLING ST - SOUTHWEST QUAD

SCALE: N/A SHEET 3 OF 11 SHEETS STA. TO STA.




F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128, 129) RS-4	MACON	59	29
CONTRACT NO. 74813				
ILLINOIS FED. AID PROJECT				



271
 IL 48

W NILES ST

COLLEGE ST

- LEGEND**
-  SIDEWALK REMOVAL
 -  CURB AND GUTTER REMOVAL
 -  PAVEMENT REMOVAL

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**ADA DETAILS
 NILES ST INTERSECTION (SOUTH)**

SCALE: N/A SHEET 4 OF 11 SHEETS STA. TO STA.

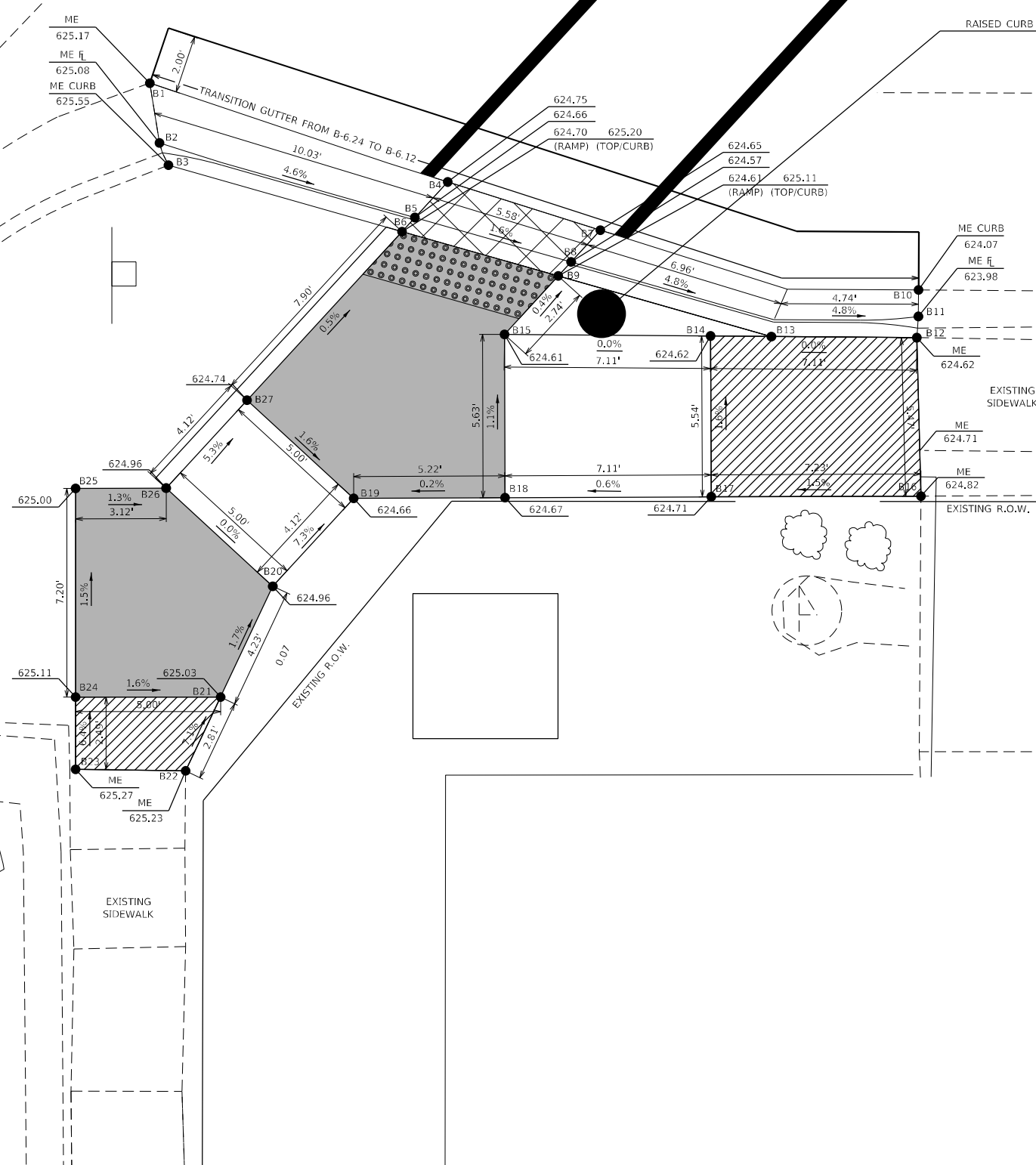
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128, 129) RS-4	MACON	59	30
CONTRACT NO. 74813				
ILLINOIS FED. AID PROJECT				

USER NAME = Mona.Steffen	DESIGNED -	REVISED -
PLOT SCALE = 10,0000 * / in.	DRAWN -	REVISED -
PLOT DATE = 10/21/2022	CHECKED -	REVISED -
	DATE -	REVISED -

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CRITICAL POINTS		
POINT	STATION	OFFSET
B1	270+57.70	15.74' RT
B2	270+56.50	17.38' RT
B3	270+56.10	18.12' RT
B4	270+62.50	26.19' RT
B5	270+60.80	26.26' RT
B6	270+60.20	26.28' RT
B7	270+64.80	31.10' RT
B8	270+63.30	31.16' RT
B9	270+62.70	31.18' RT
B10	270+70.40	40.07' RT
B11	270+69.80	40.69' RT
B12	270+69.20	41.14' RT
B13	270+65.80	37.42' RT
B14	270+64.70	36.21' RT
B15	270+60.30	31.29' RT
B16	270+65.30	44.94' RT
B17	270+60.70	39.98' RT
B18	270+56.10	35.11' RT
B19	270+52.90	31.60' RT
B20	270+47.70	31.82' RT
B21	270+43.90	31.98' RT
B22	270+41.10	32.70' RT
B23	270+38.60	29.86' RT
B24	270+40.40	28.18' RT
B25	270+44.90	24.04' RT
B26	270+47.50	26.82' RT
B27	270+52.70	26.60' RT



- LEGEND**
- ME MATCH EXISTING
 - DEPRESSED CURB & GUTTER
 - TRANSITIONAL SEGMENT
 - TURNING SPACE/LANDING

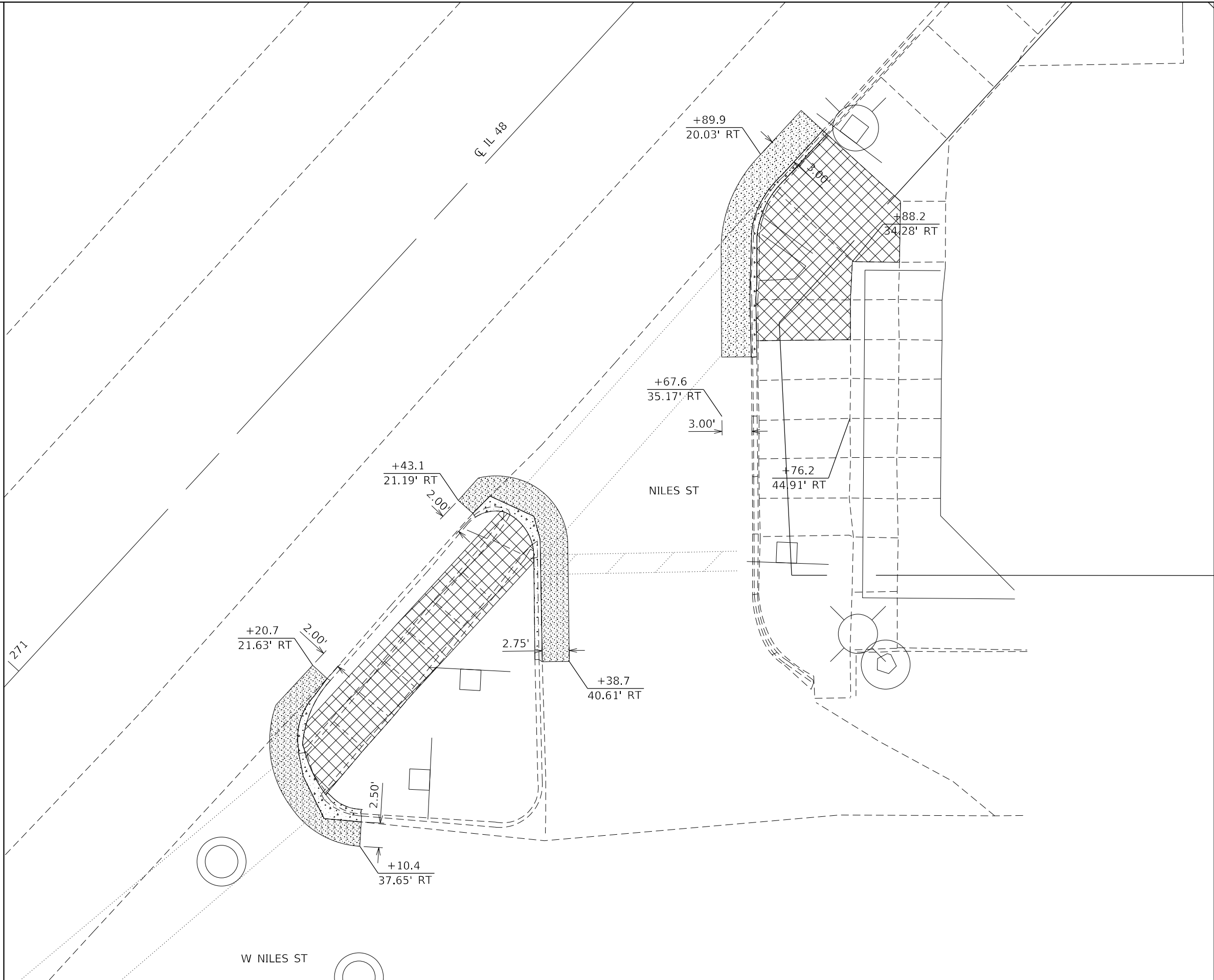
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USER NAME = Mona.Steffen	DESIGNED -	REVISED -
PLOT SCALE = 5,000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/21/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ADA DETAILS			
NILES ST - SOUTHEAST QUAD			
SCALE: N/A	SHEET 5	OF 11 SHEETS	STA. TO STA.

F.A.P. RTE. 714	SECTION (128, 129) RS-4	COUNTY MACON	TOTAL SHEETS 59	SHEET NO. 31
CONTRACT NO. 74813				
ILLINOIS FED. AID PROJECT				



LEGEND

- SIDEWALK REMOVAL
- CURB AND GUTTER REMOVAL
- PAVEMENT REMOVAL

MODEL: Default
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USER NAME = Mona.Steffen	DESIGNED -	REVISED -
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PLOT SCALE = 10,0000 * / in.	CHECKED -	REVISED -
PLOT DATE = 10/21/2022	DATE -	REVISED -

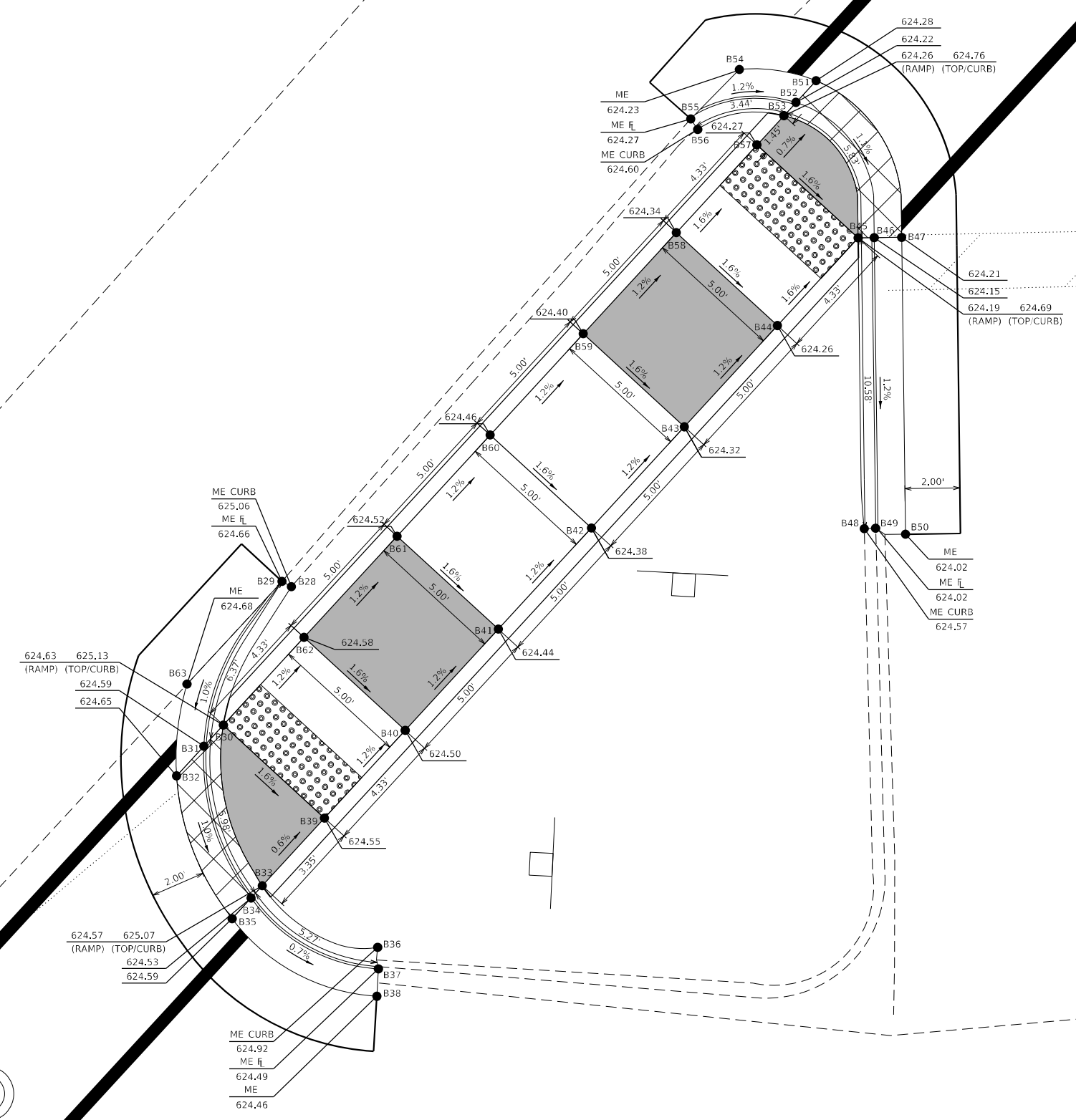
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ADA DETAILS			
NILES ST INTERSECTION (NORTH / ISLAND)			
SCALE: N/A	SHEET 6	OF 11 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128, 129) RS-4	MACON	59	32
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74813	



CRITICAL POINTS		
POINT	STATION	OFFSET
B28	271+20.80	24.01' RT
B29	271+20.70	23.63' RT
B30	271+15.41	25.60' RT
B31	271+14.36	25.60' RT
B32	271+12.90	25.60' RT
B33	271+12.06	30.60' RT
B34	271+11.47	30.60' RT
B35	271+10.45	30.60' RT
B36	271+13.30	35.20' RT
B37	271+12.70	35.75' RT
B38	271+11.90	36.38' RT
B39	271+15.41	30.60' RT
B40	271+19.75	30.60' RT
B41	271+24.75	30.60' RT
B42	271+29.75	30.60' RT
B43	271+34.75	30.60' RT
B44	271+39.75	30.60' RT
B45	271+44.08	30.60' RT
B46	271+44.48	31.00' RT
B47	271+45.17	31.80' RT
B48	271+36.44	37.90' RT
B49	271+36.74	38.20' RT
B50	271+37.31	39.20' RT
B51	271+47.25	25.60' RT
B52	271+46.18	25.60' RT
B53	271+45.53	25.60' RT
B54	271+45.67	23.30' RT
B55	271+43.15	23.20' RT
B56	271+43.04	23.60' RT
B57	271+44.08	25.60' RT
B58	271+39.75	25.60' RT
B59	271+34.75	25.60' RT
B60	271+29.75	25.60' RT
B61	271+24.75	25.60' RT
B62	271+19.75	25.60' RT
B63	271+15.61	23.60' RT



LEGEND

- ME MATCH EXISTING
- DEPRESSED CURB & GUTTER
- TRANSITIONAL SEGMENT
- TURNING SPACE/LANDING

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USER NAME = Mona.Steffen	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 10/21/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAILS
NILES ST - ISLAND

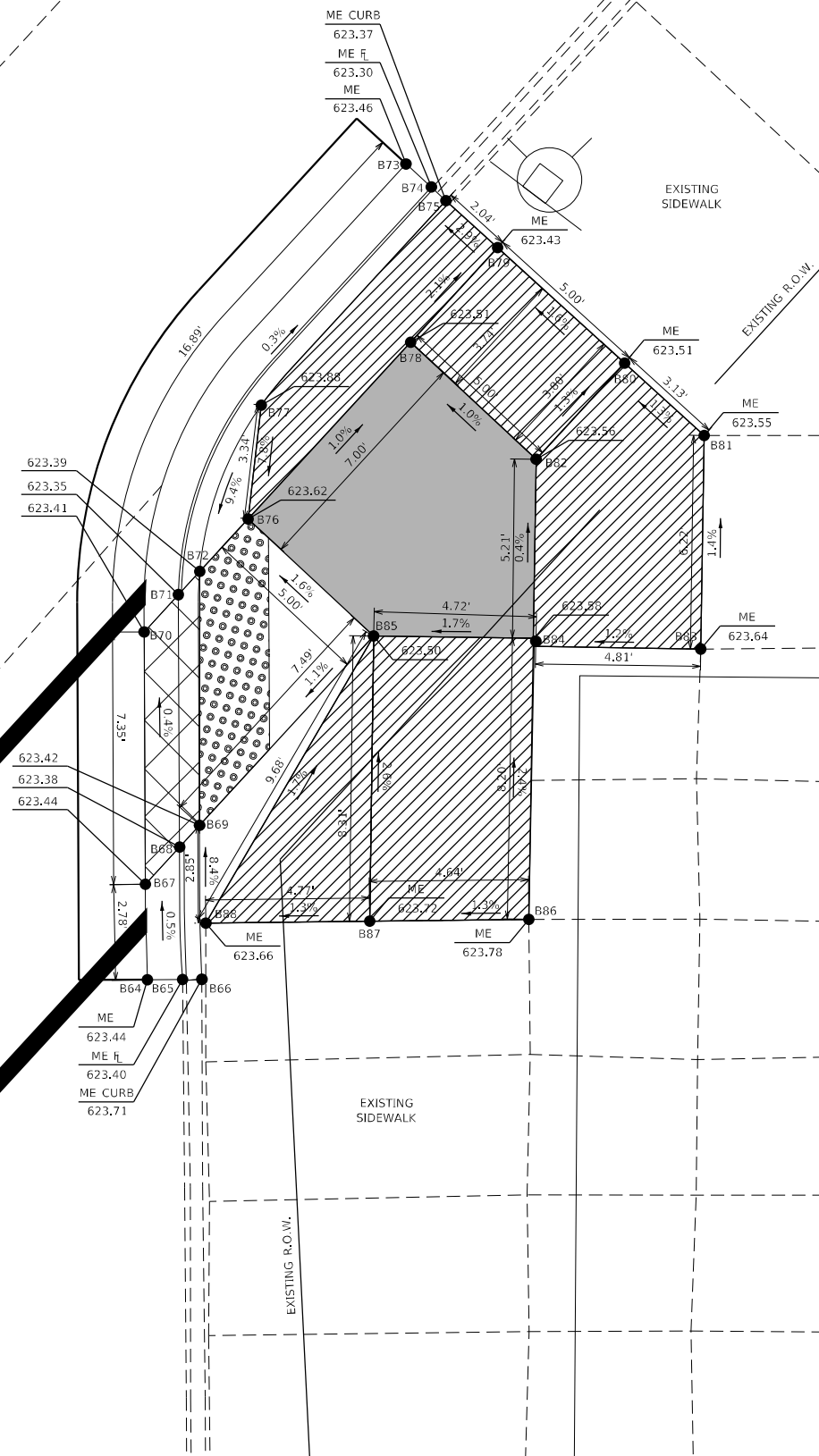
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128, 129) RS-4	MACON	59	33
CONTRACT NO. 74813				
ILLINOIS FED. AID PROJECT				



CRITICAL POINTS		
POINT	STATION	OFFSET
B64	271+73.40	32.53' RT
B65	271+74.10	33.28' RT
B66	271+74.50	33.69' RT
B67	271+75.40	30.60' RT
B68	271+76.90	30.60' RT
B69	271+77.70	30.60' RT
B70	271+80.80	25.60' RT
B71	271+82.30	25.60' RT
B72	271+83.20	25.60' RT
B73	271+96.00	21.98' RT
B74	271+96.00	22.98' RT
B75	271+96.00	23.56' RT
B76	271+85.30	25.60' RT
B77	271+88.00	23.64' RT
B78	271+92.30	25.60' RT
B79	271+96.00	25.60' RT
B80	271+96.00	30.60' RT
B81	271+96.00	33.73' RT
B82	271+92.20	30.60' RT
B83	271+91.40	37.87' RT
B84	271+88.30	34.17' RT
B85	271+85.20	30.60' RT
B86	271+82.20	39.52' RT
B87	271+79.00	36.14' RT
B88	271+75.80	32.66' RT

6 IL 48



LEGEND

- ME MATCH EXISTING
- DEPRESSED CURB & GUTTER
- TRANSITIONAL SEGMENT
- TURNING SPACE/LANDING

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PLOT SCALE	= 5,000' / in.
PLOT DATE	= 10/21/2022

DESIGNED	-
DRAWN	-
CHECKED	-
DATE	-

REVISED	-
REVISED	-
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REVISED	-

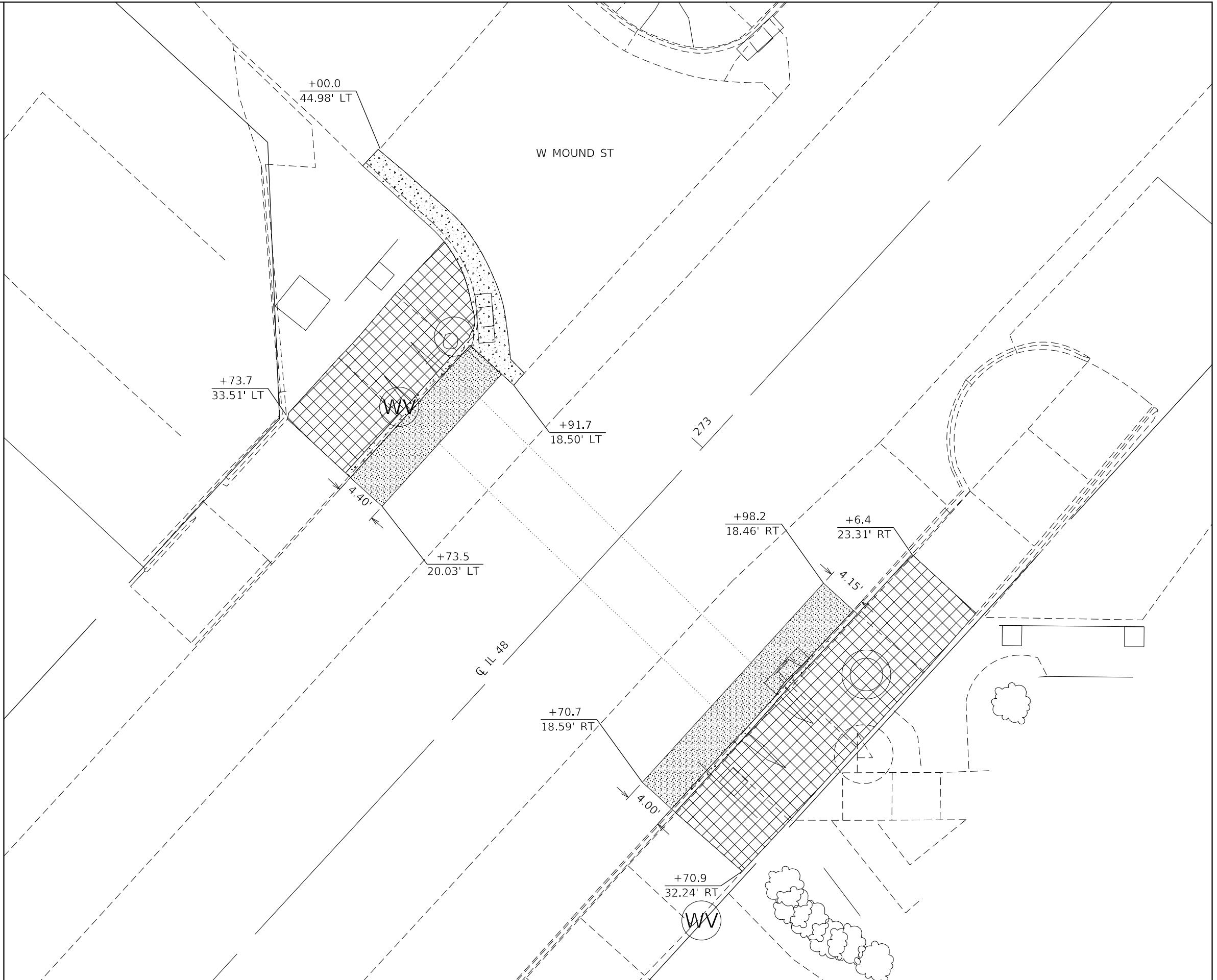
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ADA DETAILS
NILES ST - NORTHEAST QUAD




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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128, 129) RS-4	MACON	59	34
CONTRACT NO. 74813				
ILLINOIS FED. AID PROJECT				

MOUND ST INTERSECTION



LEGEND

-  SIDEWALK REMOVAL
-  CURB AND GUTTER REMOVAL
-  PAVEMENT REMOVAL

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USER NAME = Mona.Steffen	DESIGNED -	REVISED -
	DRAWN -	REVISED -
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PLOT DATE = 10/21/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**ADA DETAILS
MOUND ST INTERSECTION**

SCALE: N/A SHEET 9 OF 11 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128, 129) RS-4	MACON	59	35
CONTRACT NO. 74813			ILLINOIS FED. AID PROJECT	

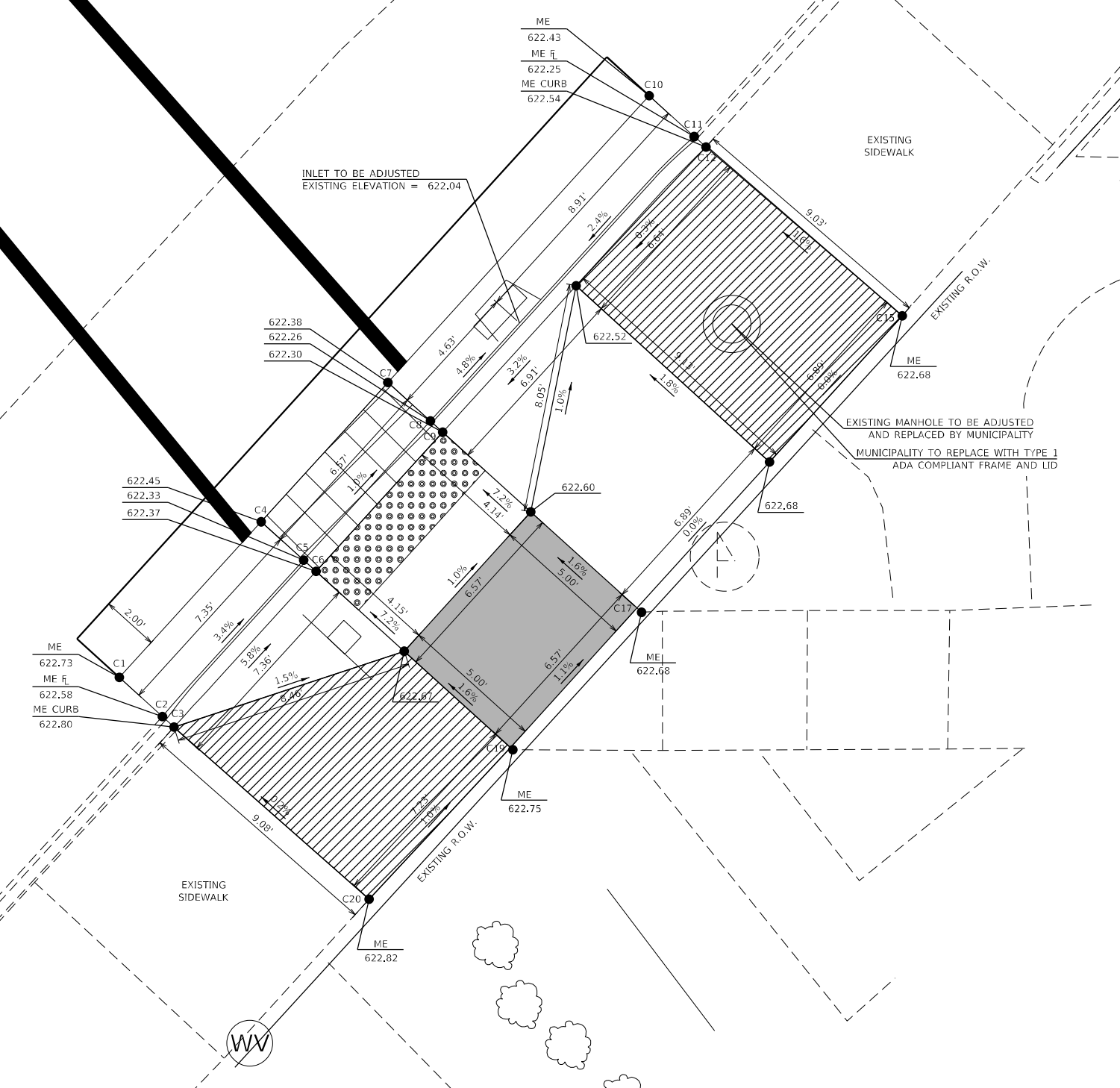


C. II. AB

CRITICAL POINTS		
POINT	STATION	OFFSET
C1	272+70.70	20.59' RT
C2	272+70.70	22.62' RT
C3	272+70.70	23.16' RT
C4	272+81.20	20.54' RT
C5	272+81.20	22.54' RT
C6	272+81.20	23.12' RT
C7	272+86.20	20.52' RT
C8	272+86.20	22.52' RT
C9	272+86.20	23.10' RT
C10	272+98.20	20.46' RT
C11	272+98.20	22.59' RT
C12	272+98.20	23.13' RT
C13	273+06.40	23.11' RT
C14	273+06.40	31.99' RT
C15	272+97.30	32.11' RT
C16	272+86.20	32.24' RT
C17	272+84.70	32.47' RT
C18	272+81.20	32.28' RT
C19	272+78.10	32.41' RT
C20	272+70.90	32.24' RT
C21	272+79.40	23.13' RT
C22	272+81.20	27.28' RT
C23	272+86.20	27.24' RT
C24	272+88.20	23.09' RT
C25	272+97.20	23.09' RT

LEGEND

ME	MATCH EXISTING
	DEPRESSED CURB & GUTTER
	TRANSITIONAL SEGMENT
	TURNING SPACE/LANDING



MODEL: Default
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	DRAWN -
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PLOT DATE = 10/21/2022	DATE -

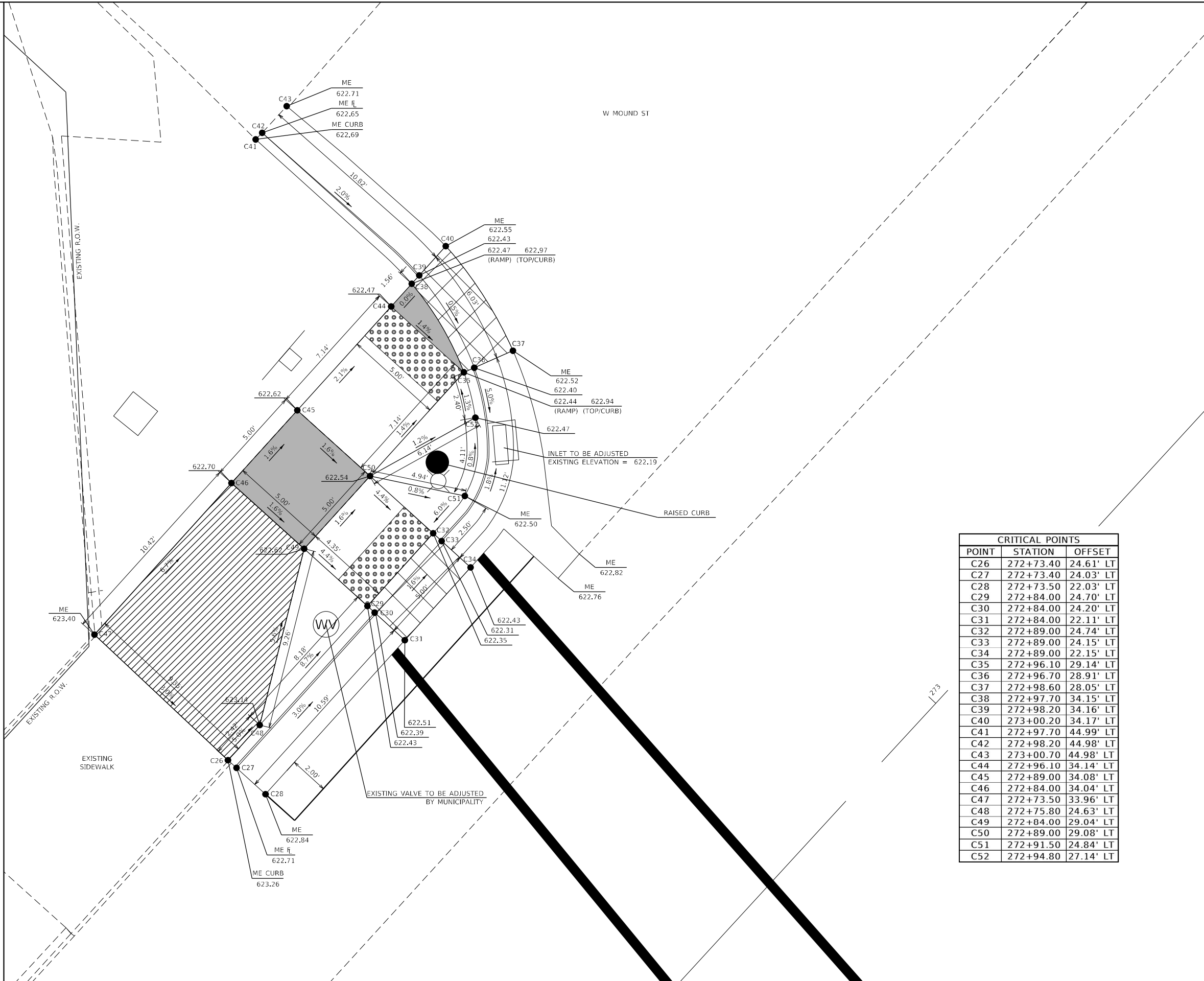
REVISED -
REVISED -
REVISED -
REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCALE: N/A SHEET 10 OF 11 SHEETS STA. TO STA.

**ADA DETAILS
MOUND ST - SOUTHEAST QUAD**

F.A.P. RTE. 714	SECTION (128, 129) RS-4	COUNTY MACON	TOTAL SHEETS 59	SHEET NO. 36
CONTRACT NO. 74813				
ILLINOIS FED. AID PROJECT				



LEGEND

- ME MATCH EXISTING
- DEPRESSED CURB & GUTTER
- TRANSITIONAL SEGMENT
- TURNING SPACE/LANDING

CRITICAL POINTS		
POINT	STATION	OFFSET
C26	272+73.40	24.61' LT
C27	272+73.40	24.03' LT
C28	272+73.50	22.03' LT
C29	272+84.00	24.70' LT
C30	272+84.00	24.20' LT
C31	272+84.00	22.11' LT
C32	272+89.00	24.74' LT
C33	272+89.00	24.15' LT
C34	272+89.00	22.15' LT
C35	272+96.10	29.14' LT
C36	272+96.70	28.91' LT
C37	272+98.60	28.05' LT
C38	272+97.70	34.15' LT
C39	272+98.20	34.16' LT
C40	273+00.20	34.17' LT
C41	272+97.70	44.99' LT
C42	272+98.20	44.98' LT
C43	273+00.70	44.98' LT
C44	272+96.10	34.14' LT
C45	272+89.00	34.08' LT
C46	272+84.00	34.04' LT
C47	272+73.50	33.96' LT
C48	272+75.80	24.63' LT
C49	272+84.00	29.04' LT
C50	272+89.00	29.08' LT
C51	272+91.50	24.84' LT
C52	272+94.80	27.14' LT

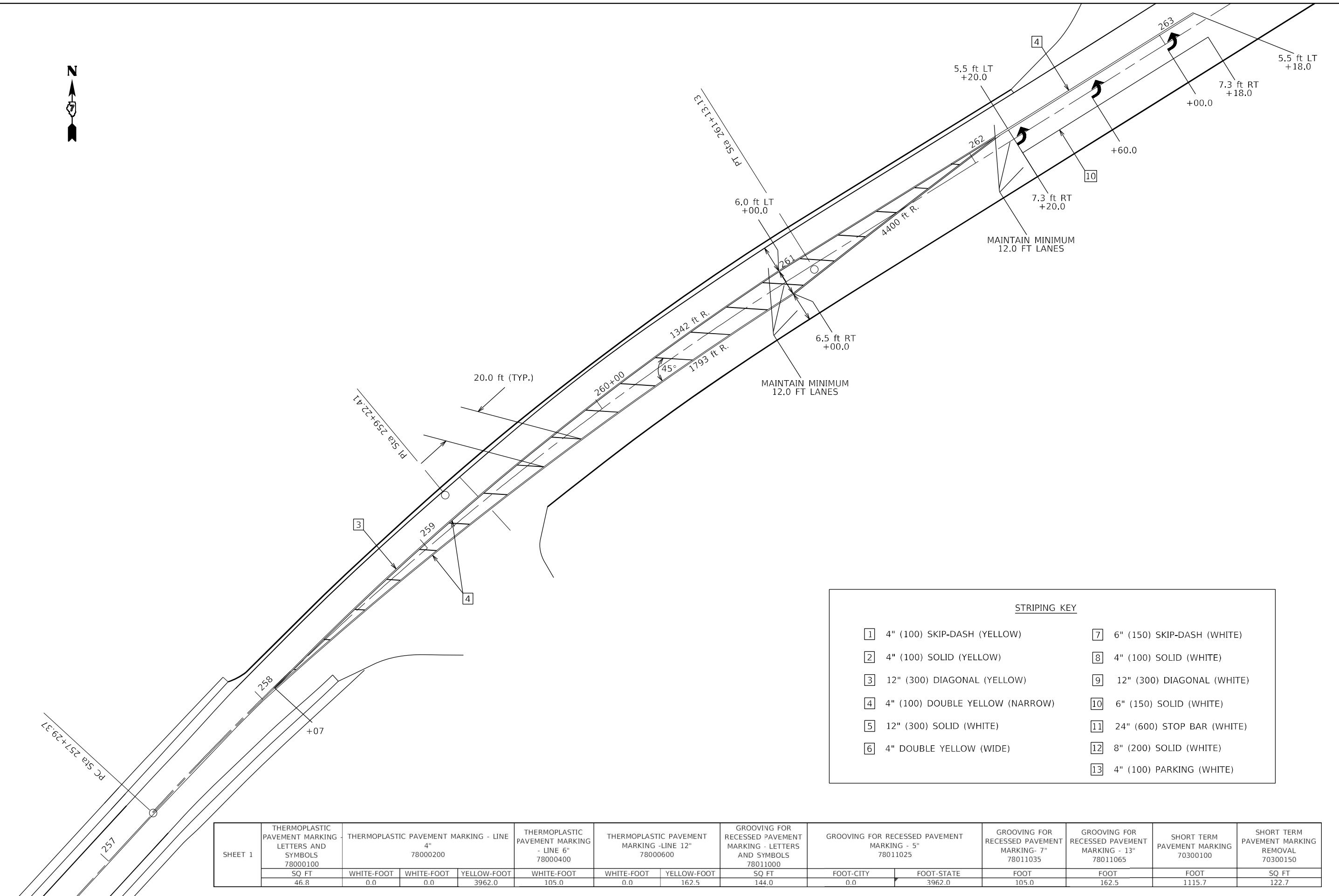
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USER NAME = Mona.Steffen	DESIGNED -	REVISED -
PLOT SCALE = 5,000' / in.	DRAWN -	REVISED -
PLOT DATE = 10/21/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ADA DETAILS			
MOUND ST - SOUTHWEST QUAD			
SCALE: N/A	SHEET 11	OF 11 SHEETS	STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128, 129) RS-4	MACON	59	37
CONTRACT NO. 74813				
ILLINOIS FED. AID PROJECT				



STRIPING KEY

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

SHEET 1	THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS 78000100	THERMOPLASTIC PAVEMENT MARKING - LINE 4" 78000200			THERMOPLASTIC PAVEMENT MARKING - LINE 6" 78000400			THERMOPLASTIC PAVEMENT MARKING - LINE 12" 78000600			GROOVING FOR RECESSED PAVEMENT MARKING - LETTERS AND SYMBOLS 78011000	GROOVING FOR RECESSED PAVEMENT MARKING - 5" 78011025		GROOVING FOR RECESSED PAVEMENT MARKING - 7" 78011035	GROOVING FOR RECESSED PAVEMENT MARKING - 13" 78011065	SHORT TERM PAVEMENT MARKING 70300100	SHORT TERM PAVEMENT MARKING REMOVAL 70300150
	SQ FT	WHITE-FOOT	WHITE-FOOT	YELLOW-FOOT	WHITE-FOOT	WHITE-FOOT	YELLOW-FOOT	SQ FT	FOOT-CITY	FOOT-STATE	FOOT	FOOT	FOOT	FOOT	SQ FT		
46.8	0.0	0.0	3962.0	105.0	0.0	162.5	144.0	0.0	0.0	3962.0	105.0	162.5	1115.7	122.7			

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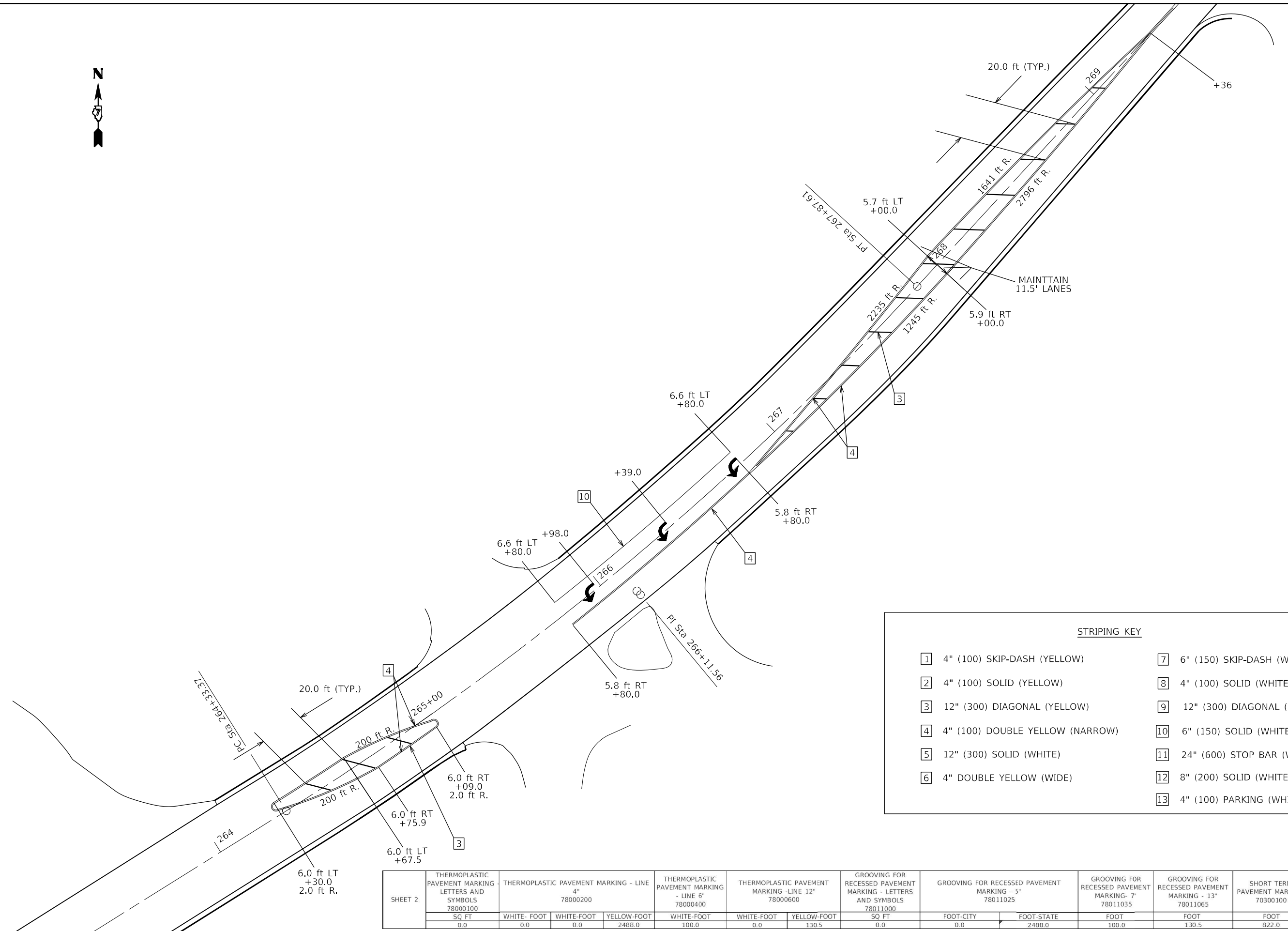
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PLOT SCALE = 40,0000 * / in.	DRAWN -	REVISD -
PLOT DATE = 10/21/2022	CHECKED -	REVISD -
	DATE -	REVISD -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAILS

SCALE: SHEET 1 OF 7 SHEETS STA. 257+00 TO STA. 263+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128, 129) RS-4	MACON	59	38
CONTRACT NO. 74813				
ILLINOIS FED. AID PROJECT				



SHEET 2	THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS	THERMOPLASTIC PAVEMENT MARKING - LINE 4"			THERMOPLASTIC PAVEMENT MARKING - LINE 6"	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	GROOVING FOR RECESSED PAVEMENT MARKING - LETTERS AND SYMBOLS	GROOVING FOR RECESSED PAVEMENT MARKING - 5"	GROOVING FOR RECESSED PAVEMENT MARKING - 7"	GROOVING FOR RECESSED PAVEMENT MARKING - 13"	SHORT TERM PAVEMENT MARKING	SHORT TERM PAVEMENT MARKING REMOVAL	
	78000100	78000200	78000400	78000600	78011000	78011025	78011035	78011065	70300100	70300150			
SQ FT	WHITE-FOOT	WHITE-FOOT	YELLOW-FOOT	WHITE-FOOT	WHITE-FOOT	YELLOW-FOOT	SQ FT	FOOT-CITY	FOOT-STATE	FOOT	FOOT	FOOT	SQ FT
0.0	0.0	0.0	2488.0	100.0	0.0	130.5	0.0	0.0	2488.0	100.0	130.5	822.0	90.4

USER NAME = Mona.Steffen	DESIGNED -	REVISED -
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PLOT DATE = 10/21/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAILS

SCALE: SHEET 2 OF 7 SHEETS STA. 264+00 TO STA. 269+00

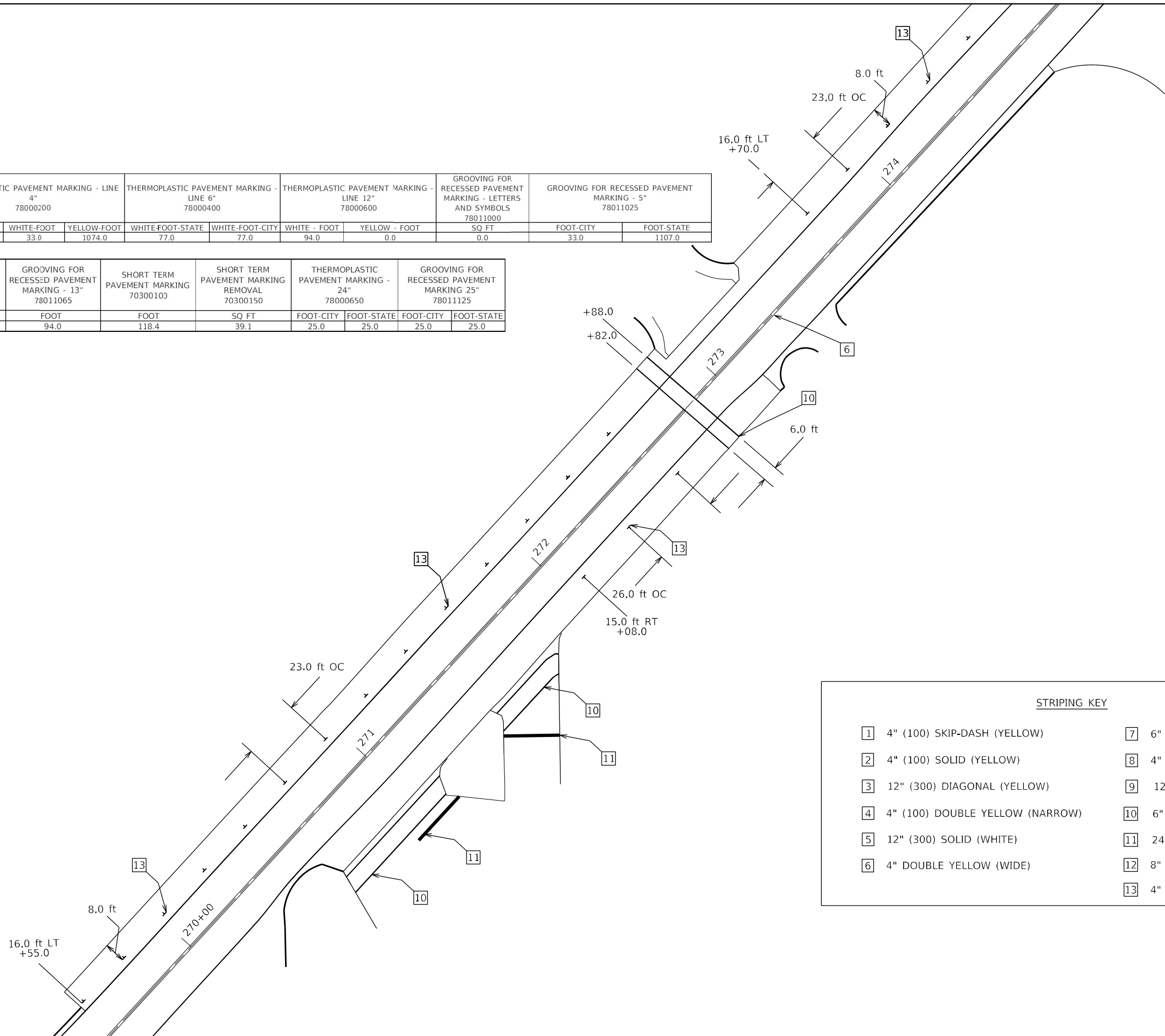
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128, 129) RS-4	MACON	59	39
CONTRACT NO. 74813				
ILLINOIS FED. AID PROJECT				

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SHEET 3	THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS 78000100	THERMOPLASTIC PAVEMENT MARKING - LINE 4" 78000200			THERMOPLASTIC PAVEMENT MARKING - LINE 6" 78000400		THERMOPLASTIC PAVEMENT MARKING - LINE 12" 78000600		GROOVING FOR RECESSED PAVEMENT MARKING - LETTERS AND SYMBOLS 78011000	GROOVING FOR RECESSED PAVEMENT MARKING - 5" 78011025	
	SQ FT 0.0	WHITE-FOOT 33.0	WHITE-FOOT 33.0	YELLOW-FOOT 1074.0	WHITE-FOOT-STATE 77.0	WHITE-FOOT-CITY 77.0	WHITE - FOOT 94.0	YELLOW - FOOT 0.0	SQ FT 0.0	FOOT-CITY 33.0	FOOT-STATE 1107.0

GROOVING FOR RECESSED PAVEMENT MARKING - 7" 78011035	GROOVING FOR RECESSED PAVEMENT MARKING - 13" 78011065	SHORT TERM PAVEMENT MARKING 70300103	SHORT TERM PAVEMENT MARKING REMOVAL 70300150	THERMOPLASTIC PAVEMENT MARKING - 24" 78000650	GROOVING FOR RECESSED PAVEMENT MARKING 25" 78011125			
FOOT-CITY 77.0	FOOT-STATE 77.0	FOOT 94.0	FOOT 118.4	SQ FT 39.1	FOOT-CITY 25.0	FOOT-STATE 25.0	FOOT-CITY 25.0	FOOT-STATE 25.0



STRIPING KEY	
1	4" (100) SKIP-DASH (YELLOW)
2	4" (100) SOLID (YELLOW)
3	12" (300) DIAGONAL (YELLOW)
4	4" (100) DOUBLE YELLOW (NARROW)
5	12" (300) SOLID (WHITE)
6	4" DOUBLE YELLOW (WIDE)
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	4" (100) PARKING (WHITE)

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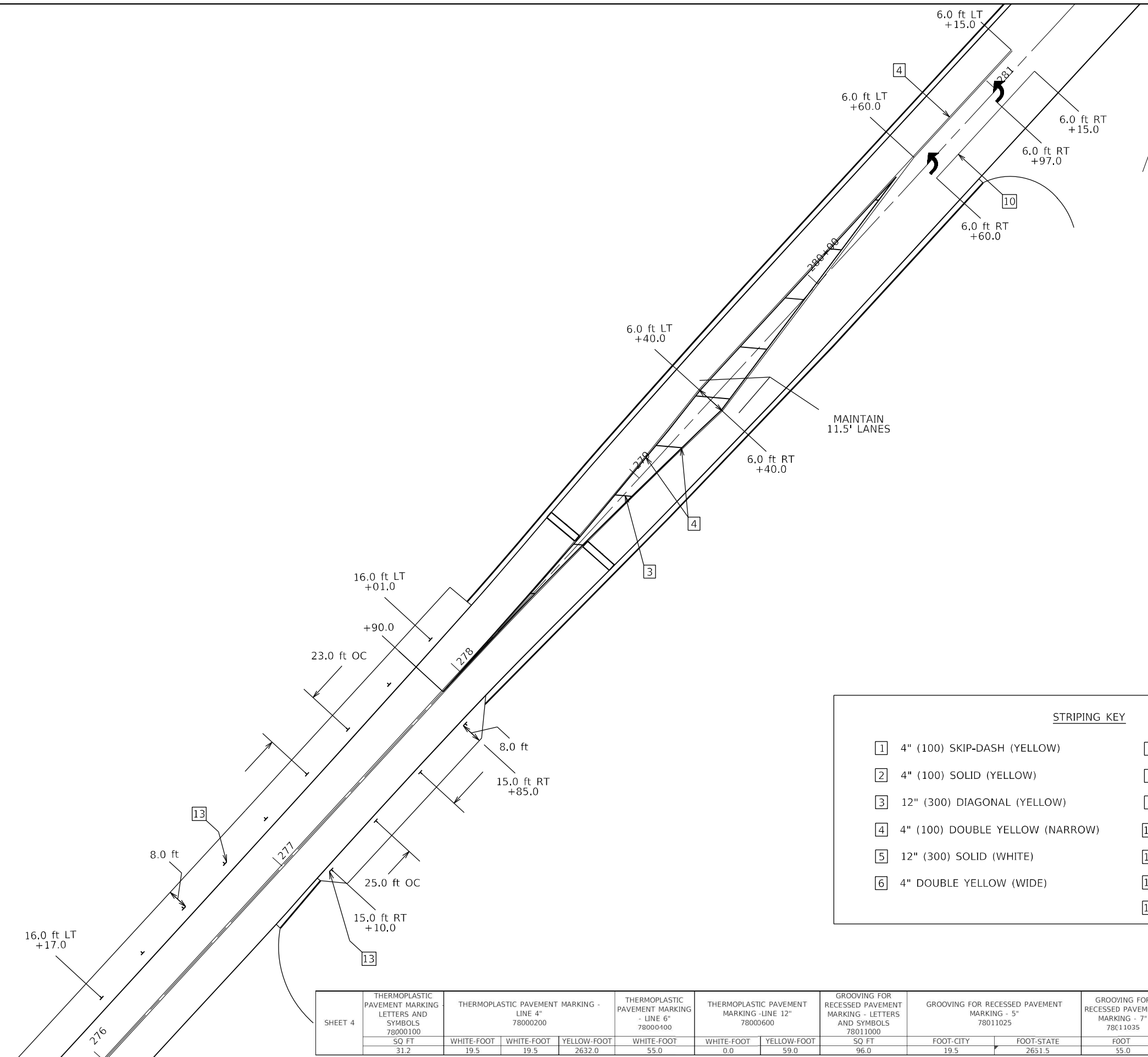
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PLOT DATE = 10/21/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAILS

SCALE: SHEET 3 OF 7 SHEETS STA. 270+00 TO STA. 274+00

F.A.P. RTE. 714	SECTION (128,129)RS-4	COUNTY MACON	TOTAL SHEETS 59	SHEET NO. 40
CONTRACT NO. 74813			ILLINOIS FED. AID PROJECT	



STRIPING KEY

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

SHEET 4	THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS 78000100			THERMOPLASTIC PAVEMENT MARKING - LINE 4" 78000200			THERMOPLASTIC PAVEMENT MARKING - LINE 6" 78000400			THERMOPLASTIC PAVEMENT MARKING - LINE 12" 78000600			GROOVING FOR RECESSED PAVEMENT MARKING - LETTERS AND SYMBOLS 78011000		GROOVING FOR RECESSED PAVEMENT MARKING - 5" 78011025		GROOVING FOR RECESSED PAVEMENT MARKING - 7" 78011035		GROOVING FOR RECESSED PAVEMENT MARKING - 13" 78011065		SHORT TERM PAVEMENT MARKING 70300100		SHORT TERM PAVEMENT MARKING REMOVAL 70300150	
	SQ FT	WHITE-FOOT	WHITE-FOOT	YELLOW-FOOT	WHITE-FOOT	WHITE-FOOT	YELLOW-FOOT	SQ FT	FOOT-CITY	FOOT-STATE	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	SQ FT					
31.2	19.5	19.5	2632.0	55.0	0.0	59.0	96.0	19.5	2651.5	55.0	59.0	301.1	301.1	99.3	99.3									

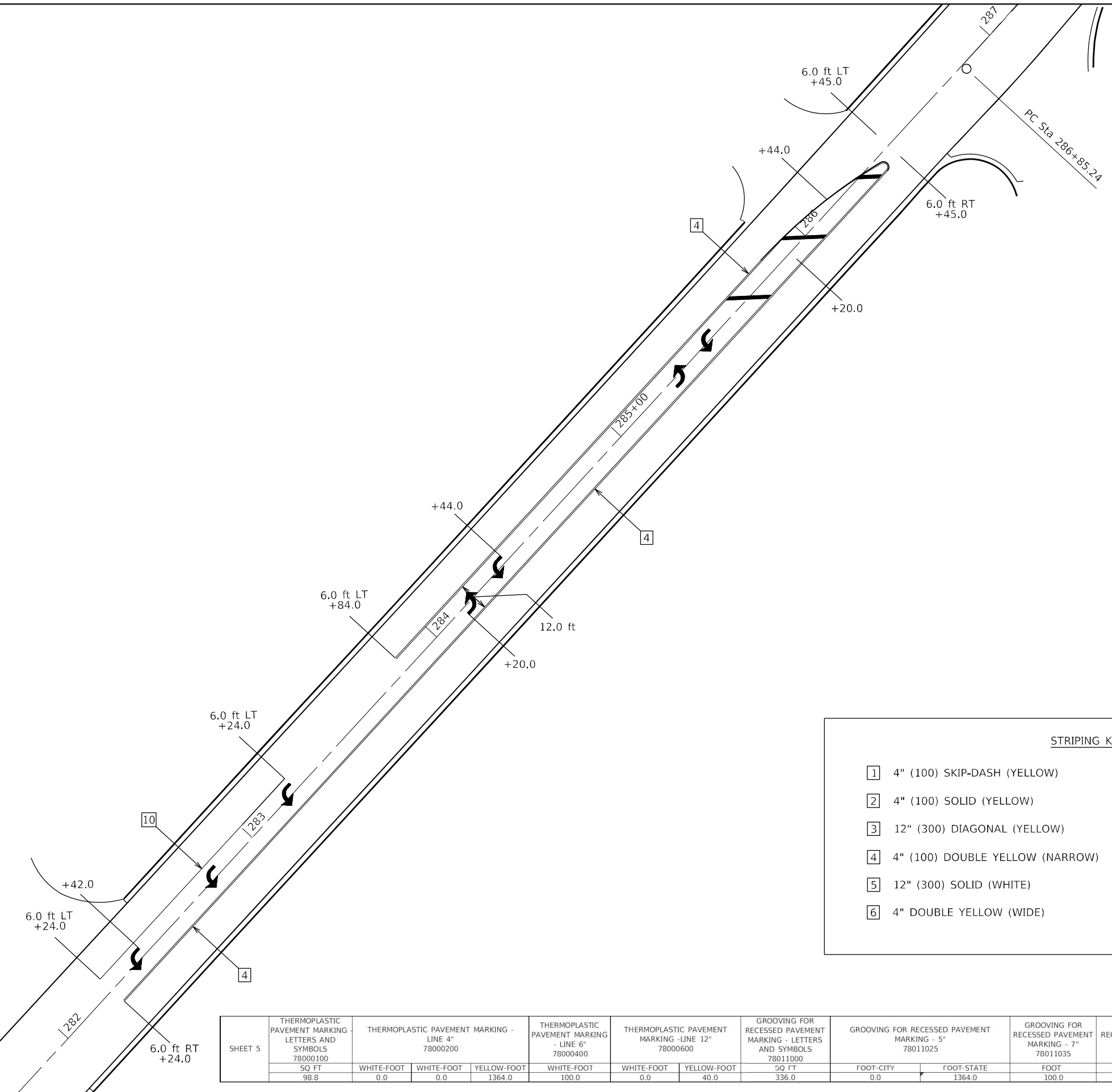
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PLOT DATE = 10/21/2022	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAILS			
SCALE:	SHEET 4	OF 7	SHEETS
	STA. 276+00		TO STA. 281+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128,129)RS-4	MACON	59	41
ILLINOIS FED. AID PROJECT			CONTRACT NO. 74813	



STRIPING KEY

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

SHEET 5	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS 78000100	THERMOPLASTIC PAVEMENT MARKING - LINE 4" 78000200			THERMOPLASTIC PAVEMENT MARKING - LINE 6" 78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 12" 78000600	GROOVING FOR RECESSED PAVEMENT MARKING - LETTERS AND SYMBOLS 78011000	GROOVING FOR RECESSED PAVEMENT MARKING - 5" 78011025	GROOVING FOR RECESSED PAVEMENT MARKING - 7" 78011035	GROOVING FOR RECESSED PAVEMENT MARKING - 13" 78011065	SHORT TERM PAVEMENT MARKING 70300100	SHORT TERM PAVEMENT MARKING REMOVAL 70300150	
	SQ FT	WHITE-FOOT	WHITE-FOOT	YELLOW-FOOT	WHITE-FOOT	WHITE-FOOT	YELLOW-FOOT	SQ FT	FOOT-CITY	FOOT-STATE	FOOT	FOOT	FOOT
98.8	0.0	0.0	1364.0	100.0	0.0	40.0	336.0	0.0	1364.0	100.0	40.0	252.8	83.4

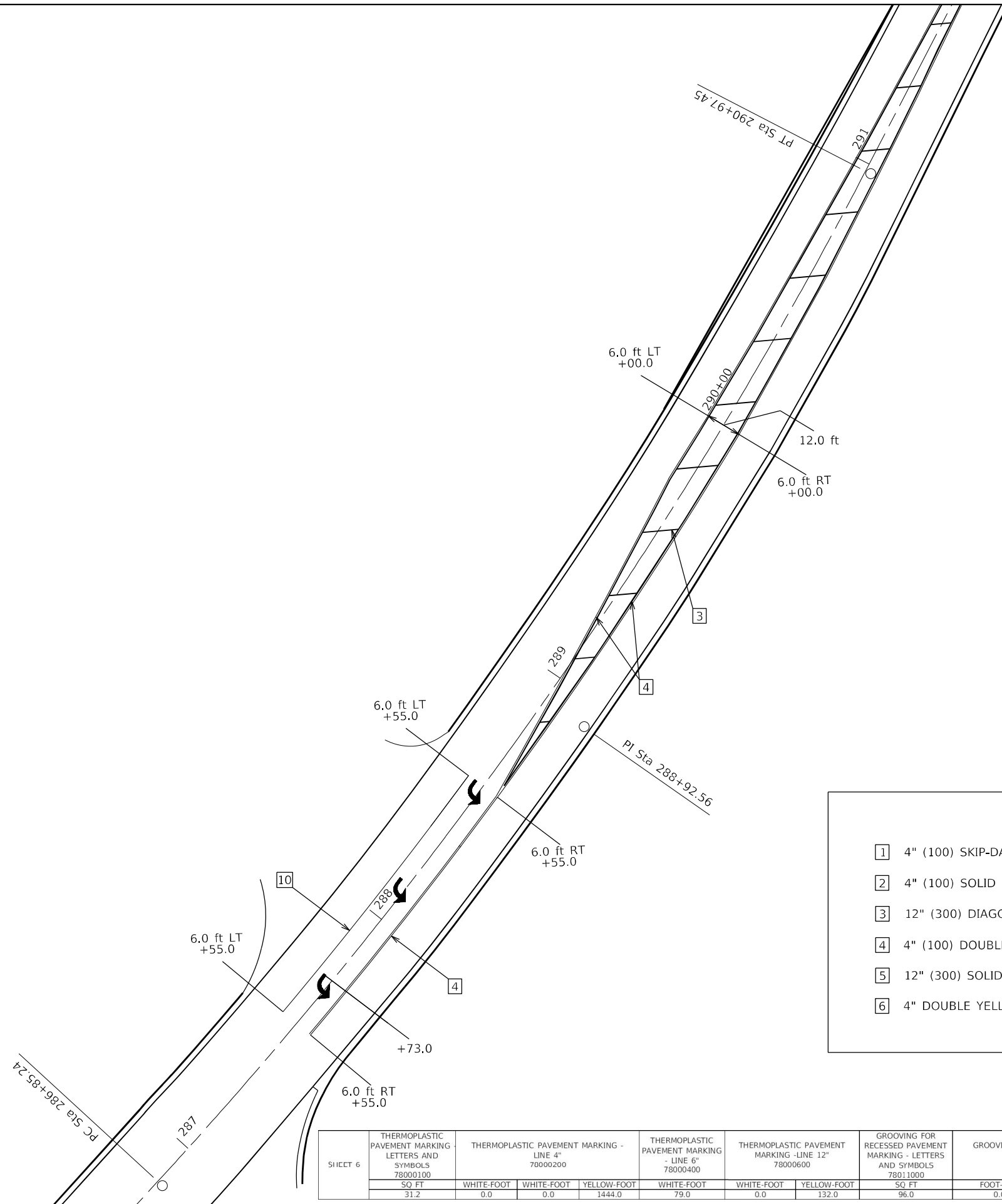
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAILS			
SCALE:	SHEET 5 OF 7 SHEETS	STA. 282+00	TO STA. 287+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128,129)RS-4	MACON	59	42
CONTRACT NO. 74813				
ILLINOIS FED. AID PROJECT				



STRIPING KEY

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

SHEET 6	THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS 78000100			THERMOPLASTIC PAVEMENT MARKING - LINE 4" 78000200		THERMOPLASTIC PAVEMENT MARKING - LINE 6" 78000400		THERMOPLASTIC PAVEMENT MARKING - LINE 12" 78000600		GROOVING FOR RECESSED PAVEMENT MARKING - LETTERS AND SYMBOLS 78011000	GROOVING FOR RECESSED PAVEMENT MARKING - 5" 78011025	GROOVING FOR RECESSED PAVEMENT MARKING - 7" 78011035	GROOVING FOR RECESSED PAVEMENT MARKING - 13" 78011065	SHORT TERM PAVEMENT MARKING 70300100	SHORT TERM PAVEMENT MARKING REMOVAL 70300150
	SQ FT	WHITE-FOOT	WHITE-FOOT	YELLOW-FOOT	WHITE-FOOT	WHITE-FOOT	YELLOW-FOOT	SQ FT	FOOT-CITY	FOOT-STATE	FOOT	FOOT	FOOT	FOOT	SQ FT
31.2	0.0	0.0	1444.0	79.0	0.0	132.0	96.0	0.0	1444.0	79.0	132.0	197.9	65.3		

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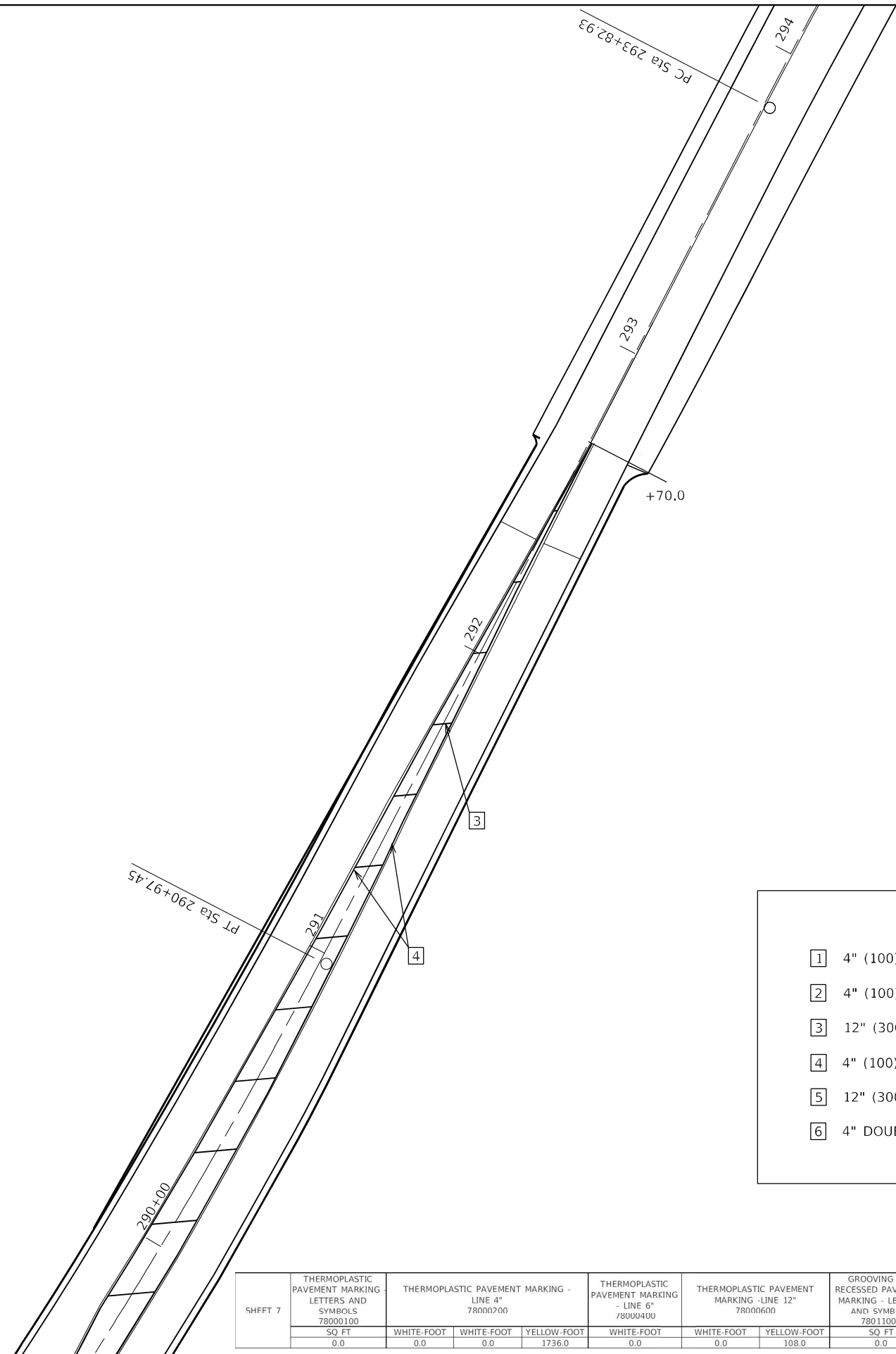
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PLOT DATE = 10/21/2022	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAILS

SCALE: SHEET 6 OF 7 SHEETS STA. 287+00 TO STA. 291+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128,129)RS-4	MACON	59	43
CONTRACT NO. 74813				
ILLINOIS FED. AID PROJECT				



STRIPING KEY

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

SHEET 7	THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS 78000100			THERMOPLASTIC PAVEMENT MARKING - LINE 4" 78000200			THERMOPLASTIC PAVEMENT MARKING - LINE 6" 78000400			THERMOPLASTIC PAVEMENT MARKING - LINE 12" 78000600			GROOVING FOR RECESSED PAVEMENT MARKING - LETTERS AND SYMBOLS 78011000		GROOVING FOR RECESSED PAVEMENT MARKING - 5" 78011025		GROOVING FOR RECESSED PAVEMENT MARKING - 7" 78011035		GROOVING FOR RECESSED PAVEMENT MARKING - 13" 78011065		SHORT TERM PAVEMENT MARKING 70300100		SHORT TERM PAVEMENT MARKING REMOVAL 70300150	
	SQ FT	WHITE-FOOT	WHITE-FOOT	YELLOW-FOOT	WHITE-FOOT	WHITE-FOOT	YELLOW-FOOT	SQ FT	FOOT-CITY	FOOT-STATE	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	FOOT	SQ FT	SQ FT					
0.0	0.0	0.0	1736.0	0.0	0.0	108.0	0.0	0.0	1736.0	0.0	108.0	123.6	40.8											

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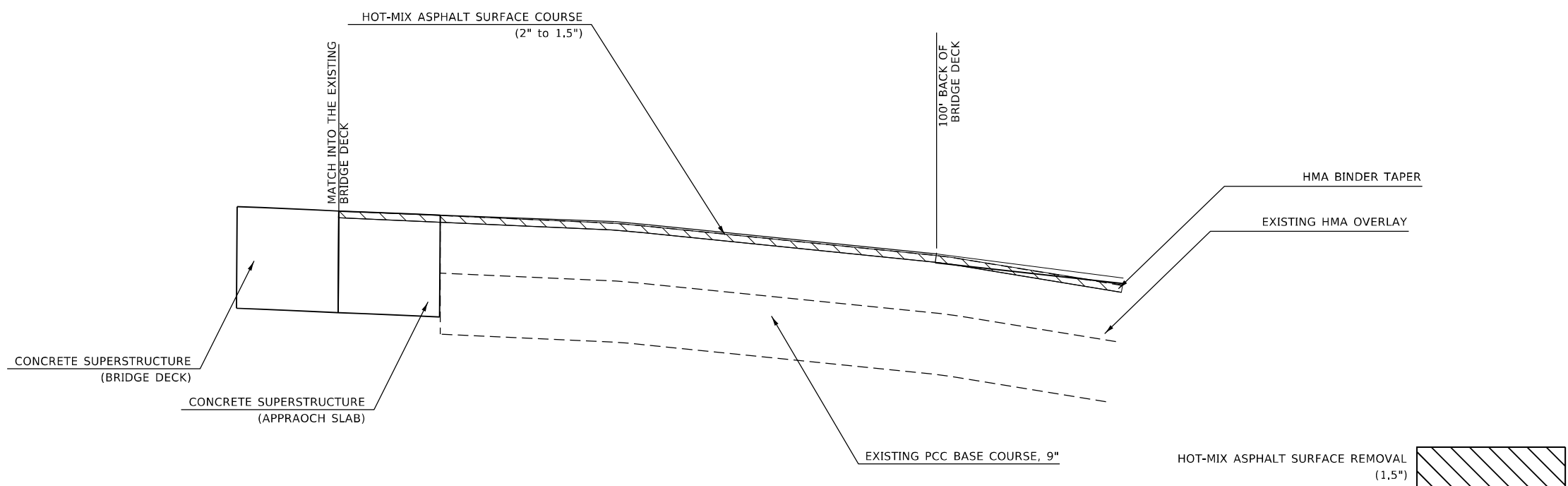
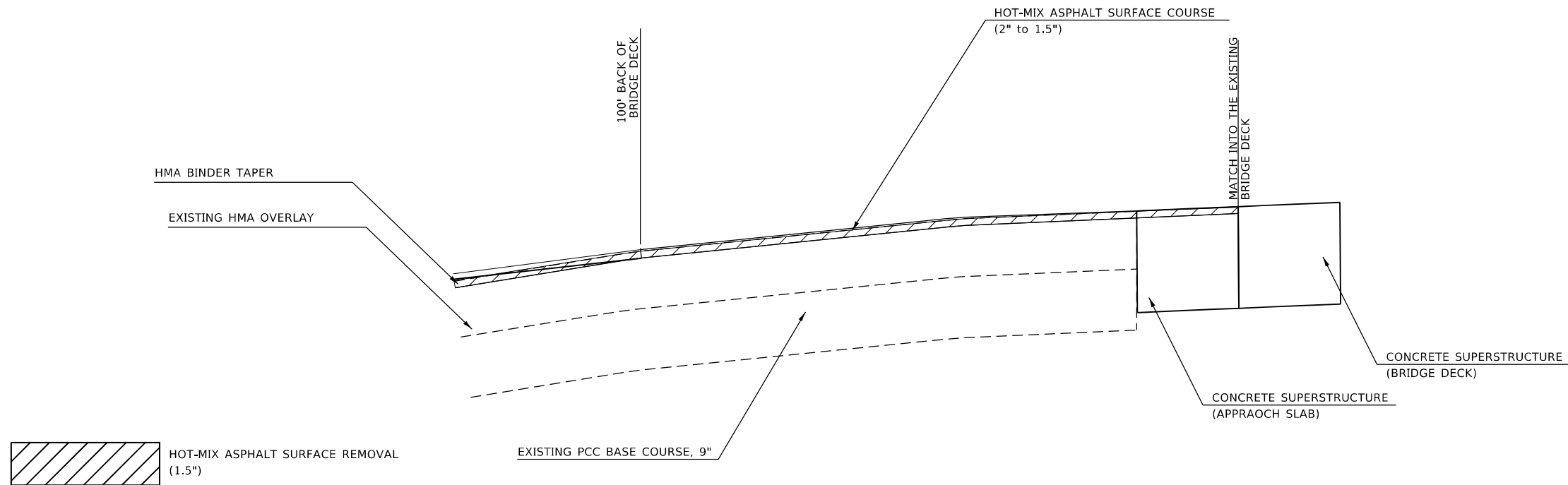
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAILS

SCALE: SHEET 7 OF 7 SHEETS STA. 290+00 TO STA. 294+00

F.A.P. RTE. 714	SECTION (128,129)RS-4	COUNTY MACON	TOTAL SHEETS 59	SHEET NO. 44
		CONTRACT NO. 74813		
		ILLINOIS FED. AID PROJECT		

MILLING AND RESURFACING DETAIL



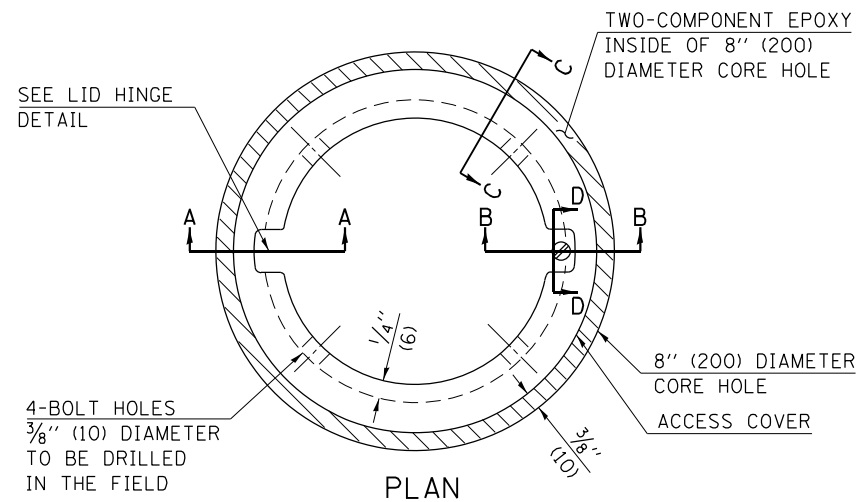
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PLOT DATE = 10/21/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

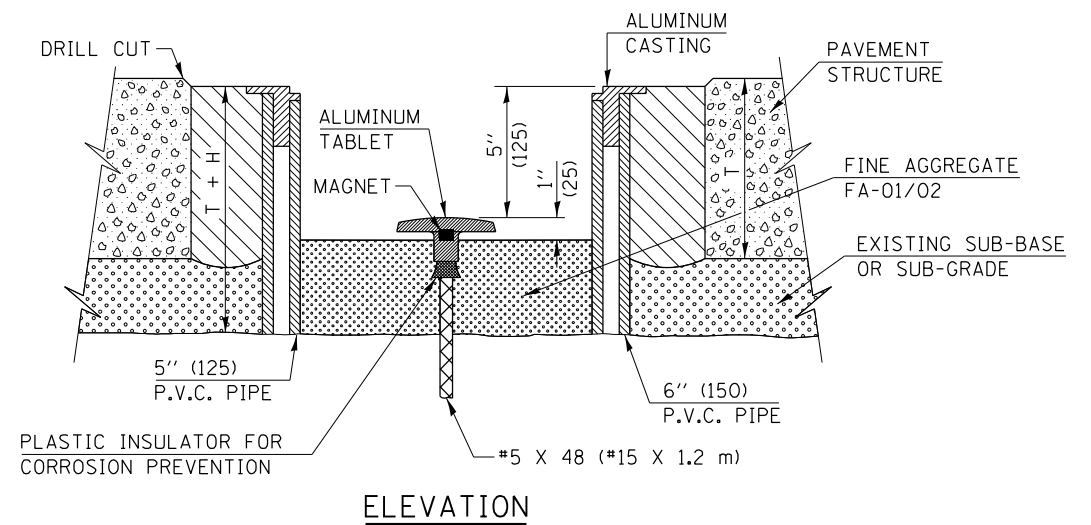
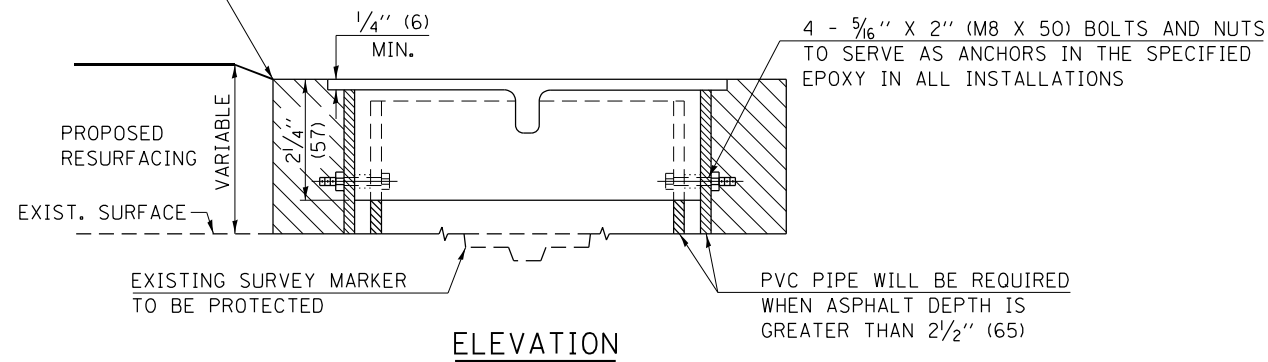
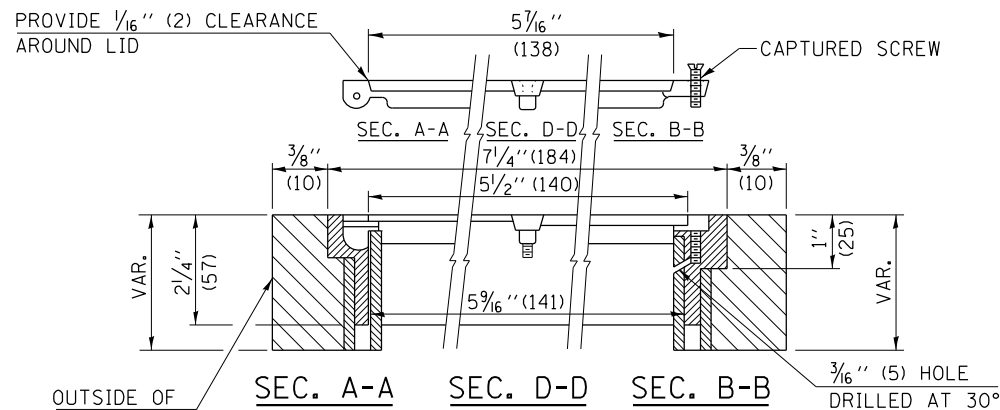
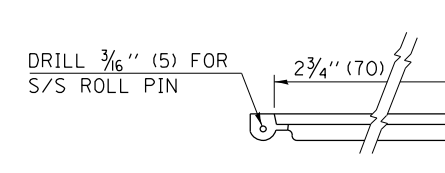
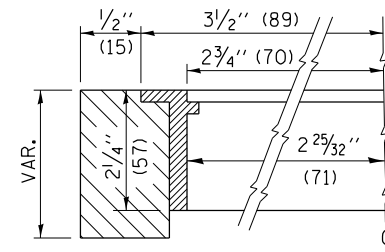
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SCALE: NA	SHEET 1	OF 1 SHEETS	STA. TO STA.

F.A.P. RTE. 714	SECTION (128, 129) R5-4	COUNTY MACON	TOTAL SHEETS 59	SHEET NO. 45
CONTRACT NO. 74813				
ILLINOIS FED. AID PROJECT				



- LEGEND**
- ALUMINUM CASTING
 - 5" (125) OR 6" (150) P.V.C. PIPE
 - TWO-COMPONENT EPOXY
- T = THICKNESS OF PAVEMENT STRUCTURE
- H = THE THICKNESS OF THE SUB-BASE GRANULAR + 1" (25)

BILL OF MATERIAL	
ALUMINUM CASTING OF THE DIMENSIONS AND SPECIFICATIONS SHOWN OR OTHER SUBJECT TO ENGINEER'S APPROVAL OF SHOP DRAWINGS,	
4 EACH - 3/16" X 2" (M8 X 50) BOLTS WITH NUTS, EPOXY,	
5" OR 6" (125 mm OR 150 mm) DIAMETER P.V.C. PIPE, SCHEDULE 40 (WHEN REQUIRED).	



EXISTING SURVEY MARKER

PROPOSED SURVEY MARKER

NOT TO SCALE

DISTRICT 7 DETAIL NO. Z0070202

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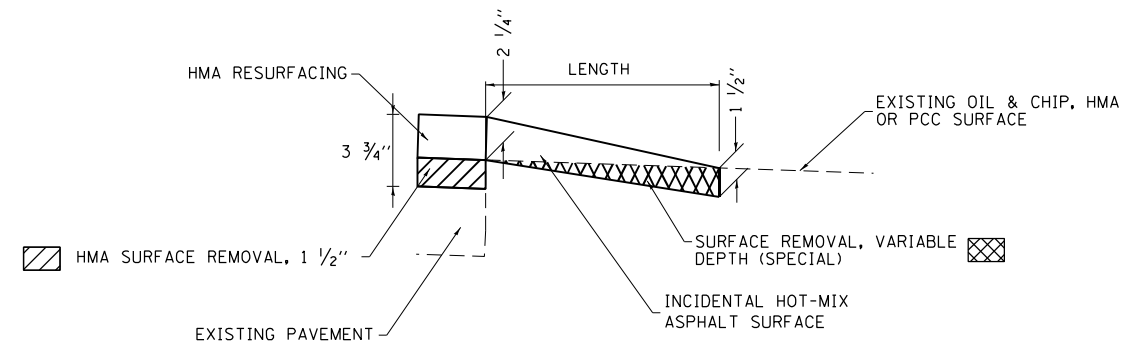
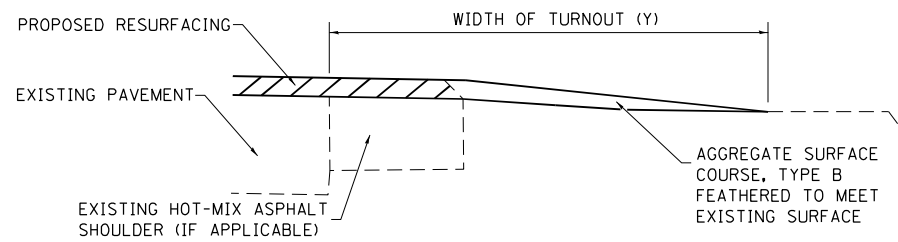
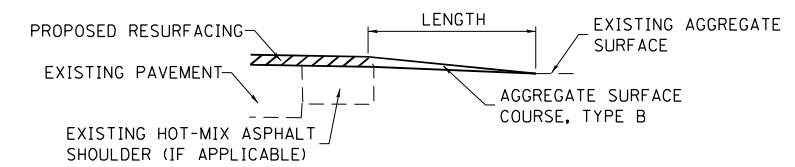
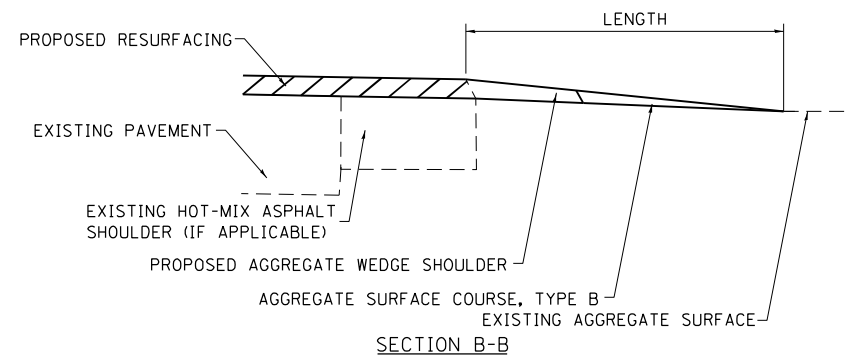
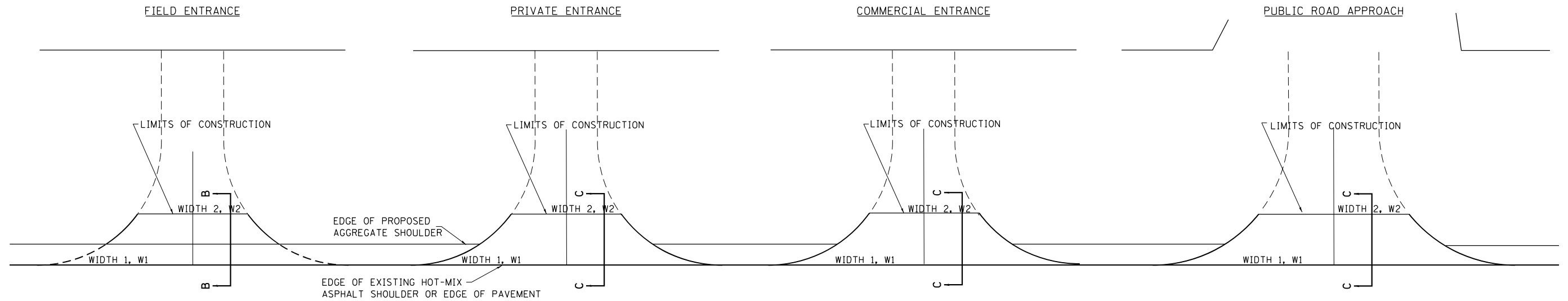
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PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/21/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SURVEY MARKER VAULT

SCALE: NA SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128, 129)R5-4	MACON	59	46
CONTRACT NO. 74813				
ILLINOIS FED. AID PROJECT				



TYPICAL SECTION AT MAILBOX TURNOUT

NOTE: SEE STANDARD 406201 FOR MAILBOX TURNOUT DETAILS

NOTES

LENGTH = 10' UNLESS OTHERWISE NOTED ON PLANS

IF THERE IS NOT EXISTING HOT-MIX ASPHALT SHOULDER THEN THE ENTRANCE TAPER STARTS AT THE EDGE OF EXISTING PAVEMENT.

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RURAL ENTRANCE AND MAILBOX TURNOUT DETAILS
WITH SHOULDERS**

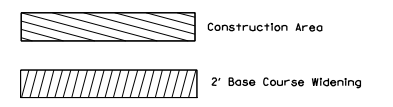
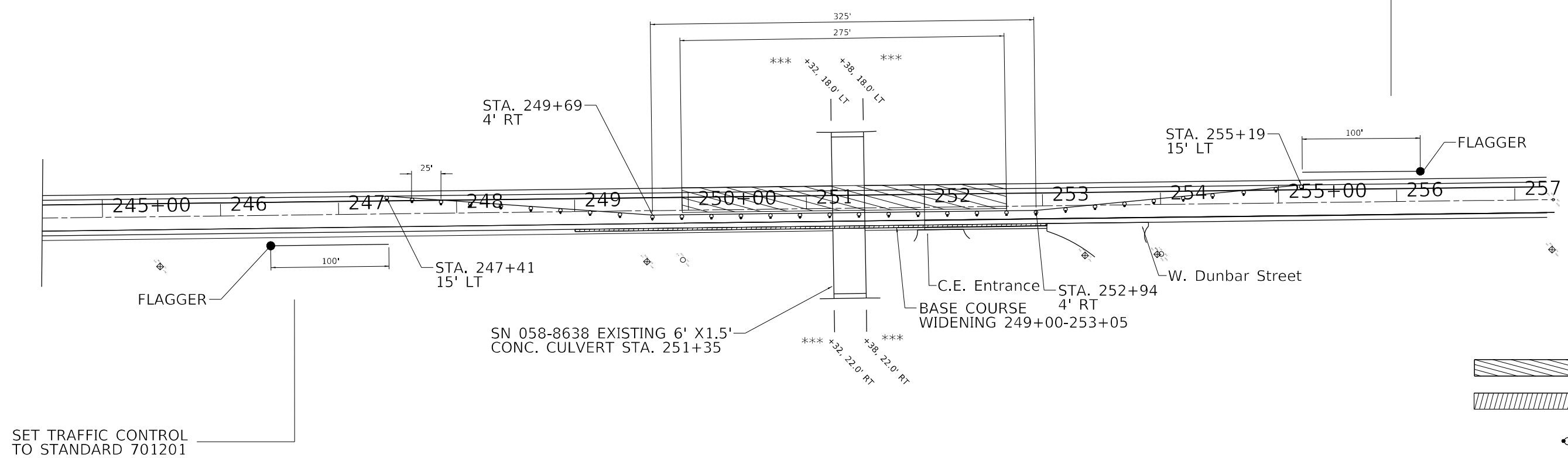
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	DRAWN -	REVISED -
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -
PLOT DATE = 10/21/2022	DATE -	REVISED -

SCALE: N/A SHEET 1 OF 1 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128, 129) RS-4	MACON	59	47
CONTRACT NO. 74813				
ILLINOIS FED. AID PROJECT				

SET TRAFFIC CONTROL TO STANDARD 701201

STAGE I



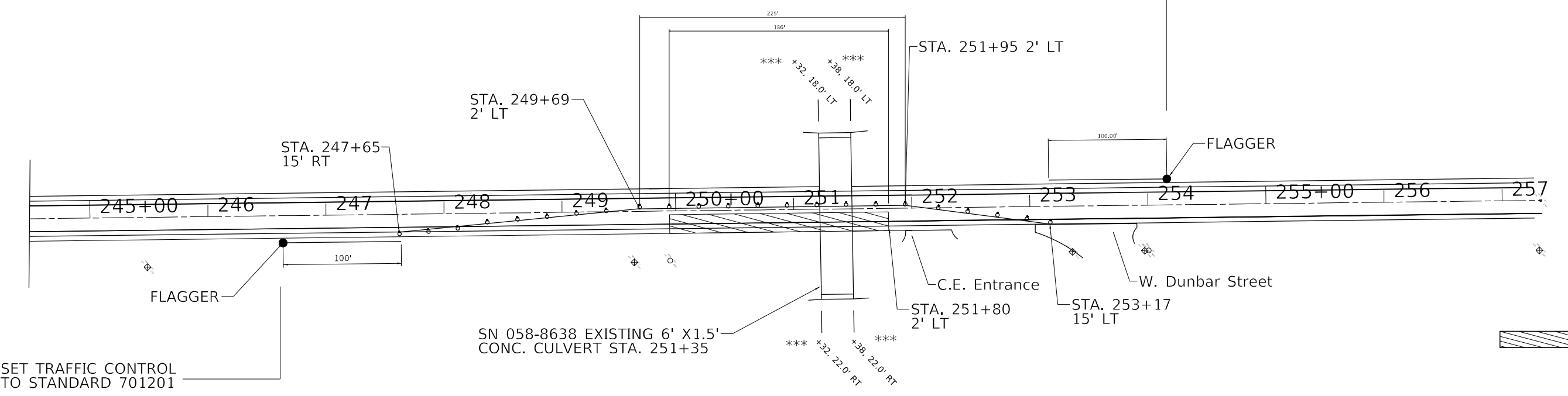
Drum with steady burning bi-directional light

*** OFFSETS ON THE CULVERT ARE BASED OFF EXISTING

SET TRAFFIC CONTROL TO STANDARD 701201

STAGE II

SET TRAFFIC CONTROL TO STANDARD 701201



Drum with steady burning bi-directional light

*** OFFSETS ON THE CULVERT ARE BASED OFF EXISTING

SET TRAFFIC CONTROL TO STANDARD 701201

MODEL: Default
 FILE NAME: p:\ultra-cw-bentley.com\p\indot\Documents\DOT Office\Director_7\Projects\74813\CADD\Drawings\CAD\Sheets\0774813-1-1-1.dwg
 PROJECT: 74813

USER NAME = Mona.Steffen	DESIGNED -	REVISED -
DRAWN -	REVISED -	
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PLOT DATE = 10/21/2022	DATE -	REVISED -

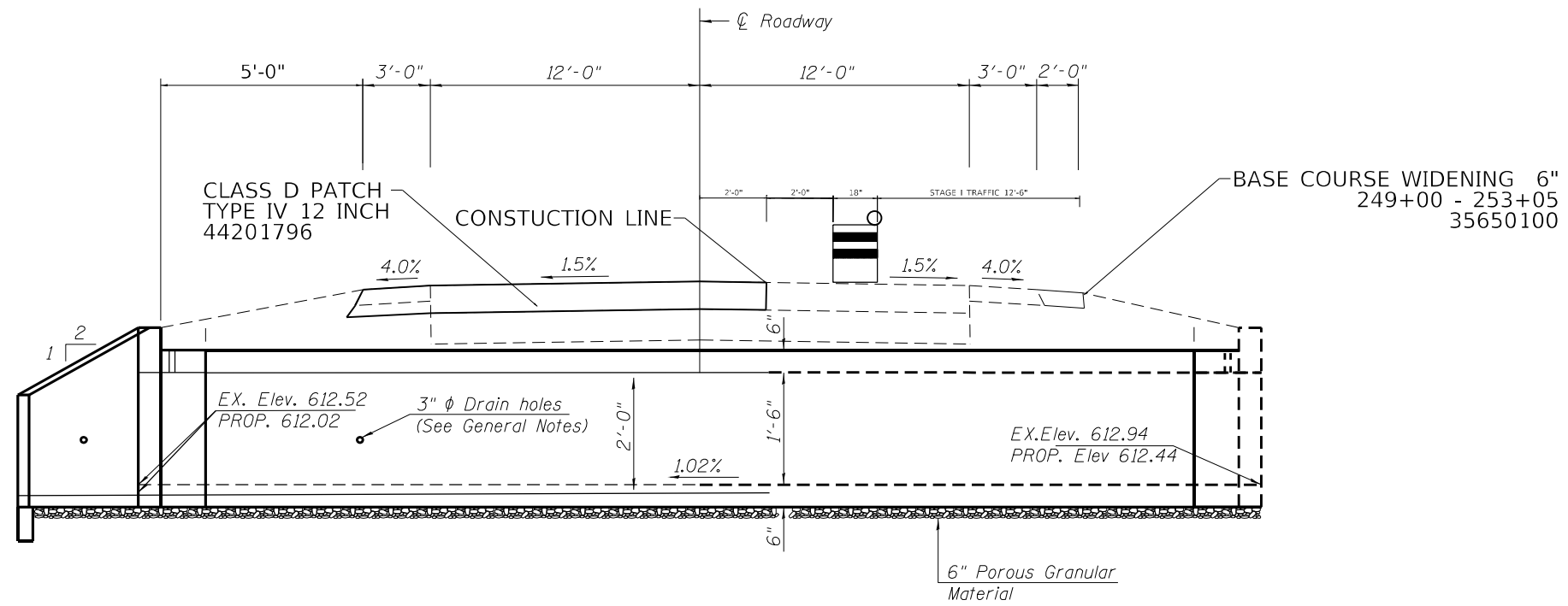
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BOX CULVERT STAGING

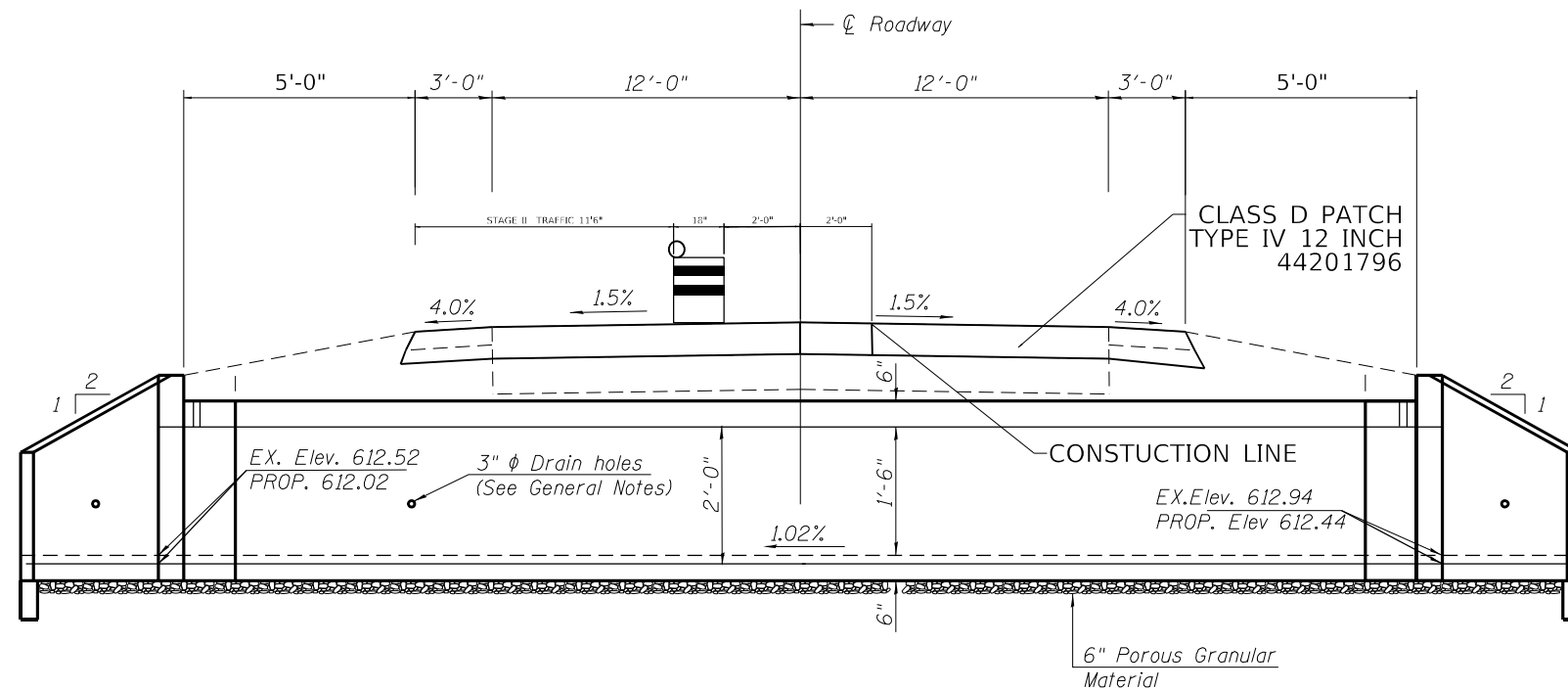
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128, 129) RS-4	MACON	59	48
CONTRACT NO. 74813				
ILLINOIS FED. AID PROJECT				

STAGE I



STAGE II



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USER NAME = Mona.Steffen	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 1/42,7815' / in.	CHECKED -	REVISED -
PLOT DATE = 10/21/2022	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BOX CULVERT STAGING

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128, 129) RS-4	MACON	59	49
CONTRACT NO. 74813				
ILLINOIS FED. AID PROJECT				

Benchmark: N/A

Existing Structure: S.N. 058-8638, Sta. 251+35, 6.0' x 1.5' Concrete Box Culvert

INDEX OF SHEETS

1. General Plan and Elevation
- 2.-3. Precast Concrete Box Culvert
Apron End Section Details
4. Box Culvert Details
5. Membrane Waterproofing System Details

GENERAL NOTES

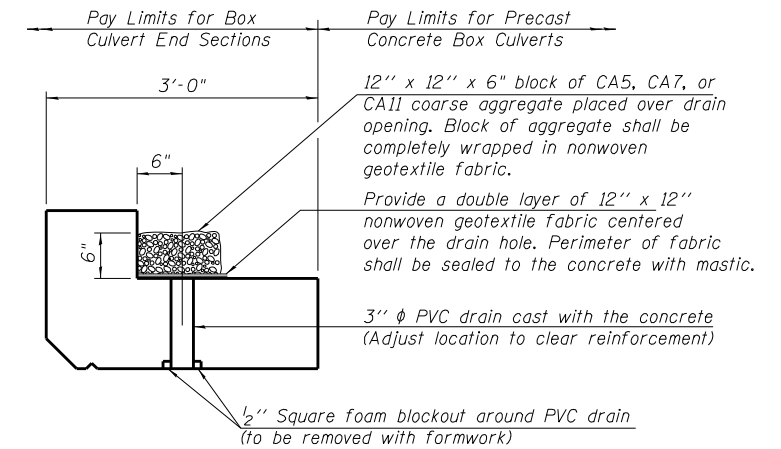
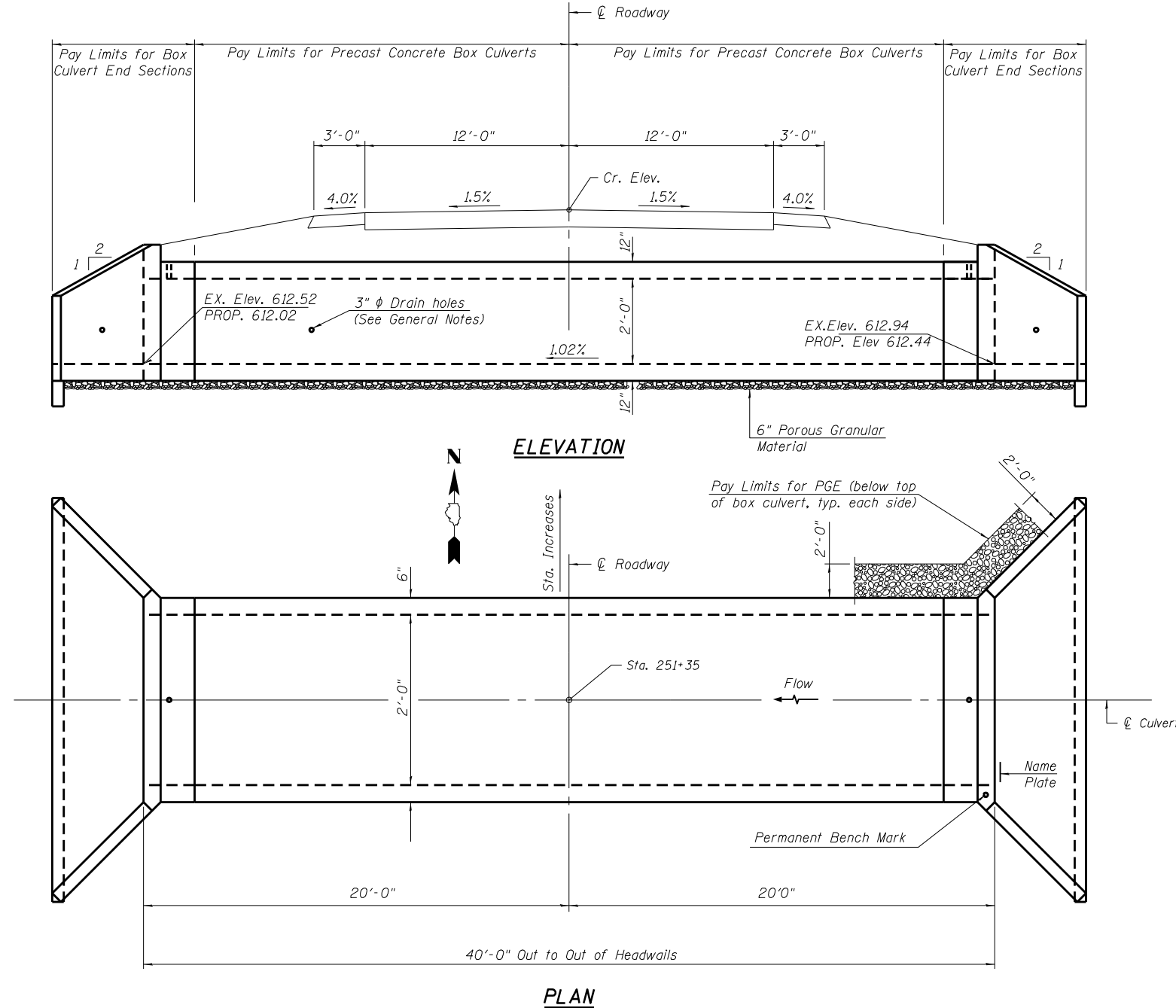
The design fill height for this box is < 2 ft. The precast box culvert sections shall conform to the requirements of ASTM C 1577.

Drain holes shall be provided on exterior culvert walls for each precast box segment with a clear rise greater than 3 ft. The drain hole shall be located within 1/3 of the clear rise of the box culvert, shall not intercept the haunch, and shall conform to the requirements of Article 503.11 of the Standard Specification.

The 6 in. thick layer of porous granular material required for the precast concrete box culvert per Art. 540.06 of the Standard Specifications shall also apply to the end sections. Cost of the porous granular material will not be paid for separately but shall be included in the unit price of the work for which it is required.

Nonwoven geotextile fabric shall conform to the requirements of Art. 1080.01 of the Standard Specifications. The minimum weight of the fabric shall be 6 ounces per square yard.

Precast concrete box culverts and box culvert end sections shall be backfilled with Porous Granular Embankment below the top of the box culvert extending to a vertical plane 2 ft from the exterior sides of the culvert, 2 ft from the back face of the end sections, and not closer than 2 ft from the face of embankment.



DRAIN DETAIL

(All costs associated with furnishing and constructing the above drain detail will not be measured for payment but shall be included in the contract unit price for the associated work.)

DESIGN SPECIFICATIONS

2012 AASHTO LRFD Bridge Design Specifications
6th Edition with 2013 Interims

LOADING HL-93

DESIGN STRESSES

PRECAST UNITS

f'_c = 5,000 psi
 f_y = 65,000 psi (Welded Wire Reinforcement)

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Removal of Existing Structures	Each	1.0
Removal and Disposal of Unsuitable Material	Cu. Yd.	10.6
Box Culvert End Sections, Culvert No. 1	Each	2.0
Precast Concrete Box Culverts, 5' x 2'	Foot	40.0
Porous Granular Embankment	Cu. Yd.	48.9
Structure Excavation	Cu. Yd.	14.4
Rock Fill - Replacement	Ton	21.0
Geocomposite Wall Drain	Sq. Yd.	36.0
Membrane Waterproofing System	Sq. Yd.	36.0

WATERWAY INFORMATION

Flood	Freq. Yr.	Q C.F.S.	Opening Sq. Ft.		Nat. H.W.E.		Head - Ft.		Headwater El.	
			Exist.	Prop.	Exist.	Prop.	Exist.	Prop.	Exist.	Prop.
Design										
Base										
Overtopping										
Max. Calc.										

SCB-GPE

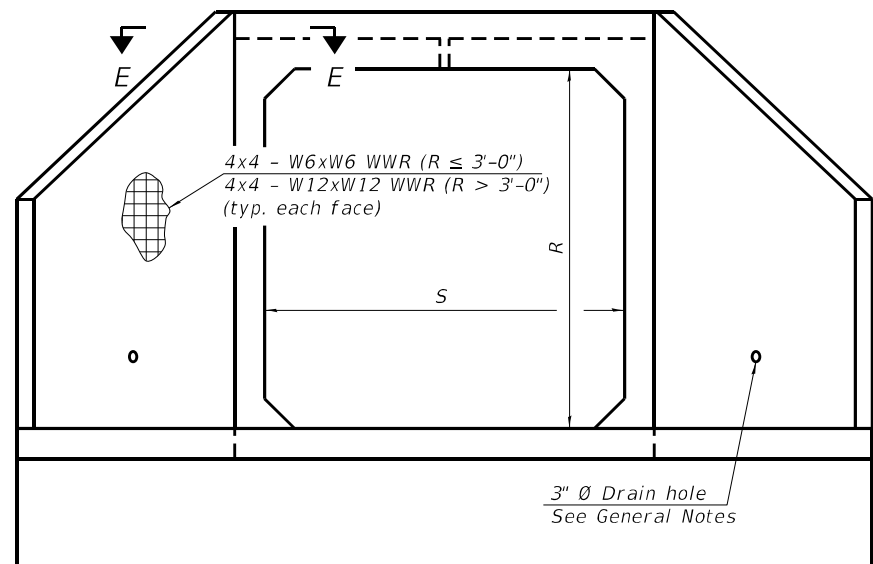
NAME PLATE

LOCATION SKETCH

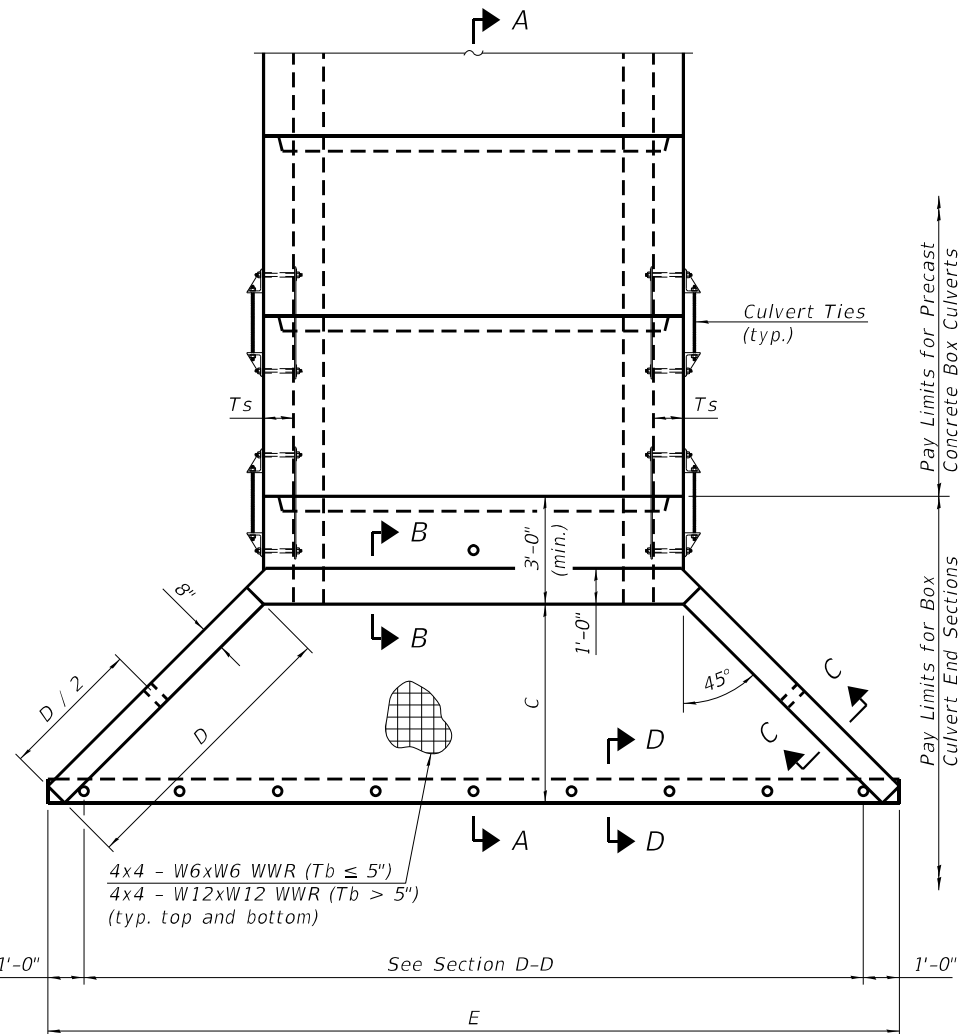
Prop. Precast Box Culvert S. Blue Mound
STA. 251+35

GENERAL PLAN AND ELEVATION
SINGLE 5' X 2' PRECAST BOX CULVERT
F.A.P. RTE. 714 SEC. (128,129) RS-4
MACON COUNTY
STATION 251+35
EXISTING S.N. 058-8638
PROPOSED: NONE

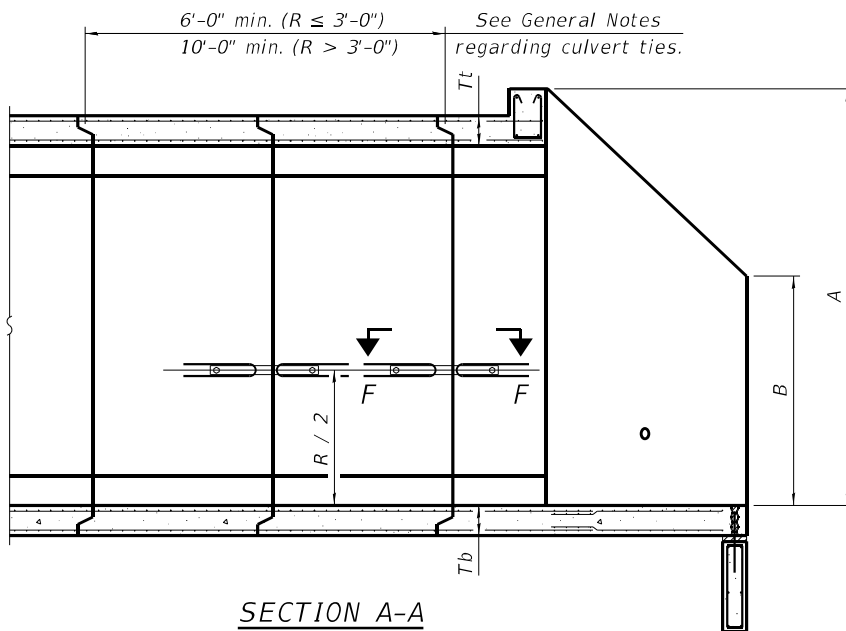
FILE NAME =	USER NAME = Matthew.Bower	DESIGNED -	REVISED - -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PRECAST CONCRETE BOX CULVERT DETAILS FOR EXISTING SN 058-8638	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\idot-pw\bentley.com\PROJECTS\DOT\Documents\DOT\Projects\74813\CAD\Drawings\0774813-sht-details.dgn	PLOT SCALE = 1/8" = 1'-0"	CHECKED -	REVISED - -			714	(128, 129) RS-4	MACON	59	50	
PLOT DATE = 12/8/2022	DATE -	REVISOR -	REVISOR -			CONTRACT NO. 74813					
						SCALE: N/A	SHEET NO. 2 OF 3 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	



END VIEW



PLAN



SECTION A-A

GENERAL NOTES

Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. End sections will be paid for at the contract unit price per each for Box Culvert End Sections.

The Contractor may furnish the end section as a single precast concrete piece or construct the end section in the field using cast-in-place (CIP) construction. For CIP construction, the bottom slab thickness shall be increased by 2\"/>

Box section dimensions, materials, and reinforcement details for Box Culvert End Sections shall be according to the requirements for ASTM C 1577 as required for the design of the portion of the culvert within the limits of Precast Concrete Box Culverts except as modified herein.

The number of culvert ties shall be sufficient to engage the minimum length of culvert barrel shown within the pay limits for Precast Concrete Box Culverts and will be dependent upon the length of box culvert segments furnished by the Contractor. Culvert ties are not required for box culverts having a rise (R) less than or equal to 3 ft and a span (S) greater than or equal to 10 ft.

All costs associated with furnishing and installing or constructing the toewall and culvert ties will not be measured for payment but shall be included in the unit price for Box Culvert End Sections of the culvert number specified.

Shop drawings that detail slab thickness and reinforcement layout for the Box Culvert End Sections shall be provided to the Engineer for review and approval. Reinforcement bars not detailed herein shall be detailed with a clear distance at the end of the reinforcement not less than 1/2\"/>

The Contractor may use reinforcement bars in lieu of welded wire reinforcement (WWR). Reinforcement bars shall be limited to the sizes of #3 through #5 bars, a maximum spacing of the lesser of 8\"/>

Reinforcement (circumferential and longitudinal) in the culvert barrel portion of the end section being lapped with reinforcement from the wingwalls or bottom slab of the end section shall not be less than that required by ASTM C 1577 for the design fill height or the reinforcement detailed for the end section, whichever is greater.

One drain hole shall be provided in each wingwall for end sections of box culverts having an opening with a clear rise greater than 3 ft. The drain hole shall be located within the lower 1/3 of the clear rise of the box culvert and shall conform to the requirements of Article 503.11 of the Standard Specifications.

APRON END SECTION DIMENSIONS

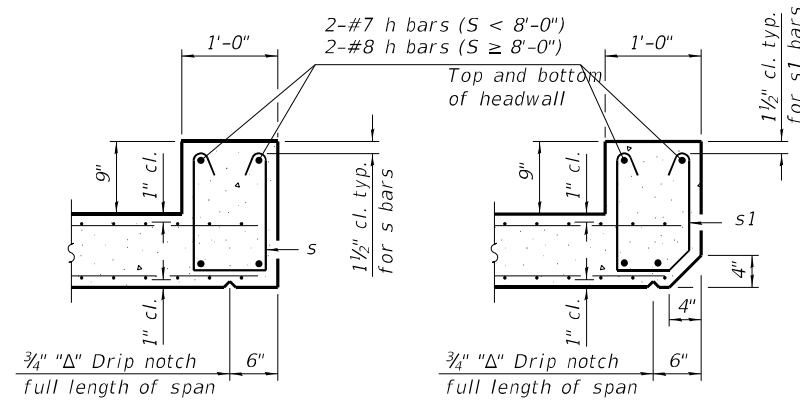
Span (S)	Rise (R)	Tt	Tb	Ts	A	B	C	D	E	Concrete Cu. Yd.	Culvert Ties Required
3'-0"	2'-0"	7"	6"	4"	3'-4"	2'-2"	2'-10 ⁵ / ₈ "	4'-1"	10'-4 ⁵ / ₈ "	2.8	Yes
3'-0"	2'-0"	4"	4"	4"	3'-1"	2'-1"	2'-7 ⁷ / ₈ "	3'-9"	9'-11"	2.3	Yes
3'-0"	3'-0"	7"	6"	4"	4'-4"	2'-8"	3'-10 ³ / ₈ "	5'-6"	12'-4 ⁵ / ₈ "	3.7	Yes
3'-0"	3'-0"	4"	4"	4"	4'-1"	2'-7"	3'-7 ⁷ / ₈ "	5'-2"	11'-11"	3.1	Yes
4'-0"	2'-0"	7.5"	6"	5"	3'-4 ¹ / ₂ "	2'-2 ¹ / ₂ "	2'-11 ³ / ₈ "	4'-2"	11'-8"	3.3	Yes
4'-0"	2'-0"	5"	5"	5"	3'-2"	2'-1"	2'-8 ¹ / ₂ "	3'-10"	11'-2 ³ / ₈ "	2.8	Yes
4'-0"	3'-0"	7.5"	6"	5"	4'-4 ¹ / ₂ "	2'-8 ¹ / ₂ "	3'-11 ³ / ₈ "	5'-7"	13'-8 ¹ / ₈ "	4.2	Yes
4'-0"	3'-0"	5"	5"	5"	4'-2"	2'-7"	3'-8 ¹ / ₂ "	5'-3"	13'-2 ³ / ₈ "	3.7	Yes
4'-0"	4'-0"	7.5"	6"	5"	5'-4 ¹ / ₂ "	3'-2 ¹ / ₂ "	4'-11 ³ / ₈ "	7'-0"	15'-8 ¹ / ₈ "	5.3	Yes
4'-0"	4'-0"	5"	5"	5"	5'-2"	3'-1"	4'-8 ⁵ / ₈ "	6'-8"	15'-2 ¹ / ₂ "	4.7	Yes
5'-0"	2'-0"	8"	7"	6"	3'-5"	2'-3"	2'-11 ³ / ₈ "	4'-2"	12'-10"	3.9	Yes
5'-0"	2'-0"	6"	6"	6"	3'-3"	2'-2"	2'-10"	4'-0"	12'-7 ¹ / ₄ "	3.5	Yes
5'-0"	3'-0"	8"	7"	6"	4'-5"	2'-9"	3'-11 ³ / ₈ "	5'-7"	14'-10 ¹ / ₈ "	4.9	Yes
5'-0"	3'-0"	6"	6"	6"	4'-3"	2'-8"	3'-10"	5'-5"	14'-7 ¹ / ₄ "	4.5	Yes
5'-0"	4'-0"	8"	7"	6"	5'-5"	3'-3"	4'-11 ³ / ₈ "	7'-0"	16'-10 ¹ / ₈ "	6.1	Yes
5'-0"	4'-0"	6"	6"	6"	5'-3"	3'-2"	4'-9 ¹ / ₄ "	6'-9"	16'-5 ¹ / ₈ "	5.5	Yes
5'-0"	5'-0"	8"	7"	6"	6'-5"	3'-9"	5'-11 ³ / ₈ "	8'-5"	18'-10 ¹ / ₈ "	7.4	Yes
5'-0"	5'-0"	6"	6"	6"	6'-3"	3'-8"	5'-9 ¹ / ₄ "	8'-2"	18'-5 ¹ / ₈ "	6.8	Yes
6'-0"	2'-0"	7"	7"	7"	3'-5"	2'-2"	2'-10 ³ / ₈ "	4'-1"	13'-10 ³ / ₈ "	4.3	Yes
6'-0"	3'-0"	8"	7"	7"	4'-5"	2'-9"	3'-11 ³ / ₈ "	5'-7"	16'-0 ¹ / ₈ "	5.4	Yes
6'-0"	3'-0"	7"	7"	7"	4'-4"	2'-8"	3'-10 ⁵ / ₈ "	5'-6"	15'-10 ⁵ / ₈ "	5.2	Yes
6'-0"	4'-0"	8"	7"	7"	5'-5"	3'-3"	4'-11 ³ / ₈ "	7'-0"	18'-0 ¹ / ₈ "	6.5	Yes
6'-0"	4'-0"	7"	7"	7"	5'-4"	3'-2"	4'-10 ³ / ₄ "	6'-11"	17'-10 ³ / ₄ "	6.5	Yes
6'-0"	5'-0"	8"	7"	7"	6'-5"	3'-9"	5'-11 ³ / ₈ "	8'-5"	20'-0 ¹ / ₈ "	8.0	Yes
6'-0"	5'-0"	7"	7"	7"	6'-4"	3'-8"	5'-10 ³ / ₄ "	8'-4"	19'-10 ³ / ₈ "	7.8	Yes
6'-0"	6'-0"	8"	7"	7"	7'-5"	4'-3"	6'-11 ¹ / ₂ "	9'-10"	22'-0 ¹ / ₄ "	9.5	Yes
6'-0"	6'-0"	7"	7"	7"	7'-4"	4'-2"	6'-10 ³ / ₄ "	9'-9"	21'-10 ³ / ₄ "	9.3	Yes
7'-0"	2'-0"	8"	8"	8"	3'-5"	2'-3"	2'-11 ³ / ₈ "	4'-2"	15'-2"	4.9	Yes
7'-0"	3'-0"	8"	8"	8"	4'-5"	2'-9"	3'-11 ³ / ₈ "	5'-7"	17'-2 ¹ / ₈ "	6.1	Yes
7'-0"	4'-0"	8"	8"	8"	5'-5"	3'-3"	4'-11 ³ / ₈ "	7'-0"	19'-2 ¹ / ₈ "	7.4	Yes
7'-0"	4'-0"	8"	8"	8"	5'-5"	3'-3"	5'-11 ³ / ₈ "	8'-5"	21'-2 ¹ / ₈ "	8.9	Yes
7'-0"	5'-0"	8"	8"	8"	6'-5"	4'-3"	6'-11 ³ / ₈ "	9'-10"	23'-2 ¹ / ₄ "	10.6	Yes
8'-0"	2'-0"	8"	8"	8"	3'-5"	2'-3"	2'-11 ³ / ₈ "	4'-2"	16'-2"	5.3	Yes
8'-0"	3'-0"	8"	8"	8"	4'-5"	2'-9"	3'-11 ³ / ₈ "	5'-7"	18'-2 ¹ / ₈ "	6.5	Yes
8'-0"	4'-0"	8"	8"	8"	5'-5"	3'-3"	4'-11 ³ / ₈ "	7'-0"	20'-2 ¹ / ₈ "	7.8	Yes
8'-0"	5'-0"	8"	8"	8"	6'-5"	4'-3"	5'-11 ³ / ₈ "	8'-5"	22'-2 ¹ / ₈ "	9.3	Yes
8'-0"	6'-0"	8"	8"	8"	7'-5"	5'-3"	6'-11 ¹ / ₂ "	9'-10"	24'-2 ¹ / ₄ "	11.0	Yes
9'-0"	2'-0"	9"	9"	9"	3'-6"	2'-3"	3'-0 ³ / ₄ "	4'-4"	17'-6 ³ / ₄ "	6.2	Yes
9'-0"	3'-0"	9"	9"	9"	4'-6"	2'-9"	4'-0 ³ / ₄ "	5'-9"	19'-6 ³ / ₈ "	7.5	Yes
9'-0"	4'-0"	9"	9"	9"	5'-6"	3'-3"	5'-0 ³ / ₄ "	7'-2"	21'-6 ³ / ₈ "	9.0	Yes
9'-0"	5'-0"	9"	9"	9"	6'-6"	4'-3"	6'-0 ³ / ₈ "	8'-7"	23'-7"	10.6	Yes
9'-0"	6'-0"	9"	9"	9"	7'-6"	5'-3"	7'-0 ¹ / ₈ "	9'-11"	25'-5 ³ / ₈ "	12.4	Yes
10'-0"	2'-0"	10"	10"	10"	3'-7"	2'-4"	3'-1 ¹ / ₂ "	4'-5"	18'-10 ¹ / ₄ "	7.1	No
10'-0"	3'-0"	10"	10"	10"	4'-7"	2'-10"	4'-1 ¹ / ₂ "	5'-10"	20'-10 ¹ / ₄ "	8.6	No
10'-0"	4'-0"	10"	10"	10"	5'-7"	3'-4"	5'-1 ¹ / ₂ "	7'-3"	22'-10 ³ / ₈ "	10.2	Yes
10'-0"	5'-0"	10"	10"	10"	6'-7"	3'-10"	6'-1 ¹ / ₂ "	8'-8"	24'-10 ³ / ₈ "	12.0	Yes
10'-0"	6'-0"	10"	10"	10"	7'-7"	4'-4"	7'-1 ¹ / ₂ "	10'-1"	26'-10 ³ / ₈ "	13.9	Yes
11'-0"	2'-0"	11"	11"	11"	3'-8"	2'-4"	3'-2 ⁷ / ₈ "	4'-7"	20'-3 ¹ / ₈ "	8.2	No
11'-0"	3'-0"	11"	11"	11"	4'-8"	2'-10"	4'-2 ⁷ / ₈ "	6'-0"	22'-3 ¹ / ₈ "	9.8	No
11'-0"	4'-0"	11"	11"	11"	5'-8"	3'-4"	5'-2 ¹ / ₄ "	7'-4"	24'-1 ¹ / ₄ "	11.5	Yes
11'-0"	5'-0"	11"	11"	11"	6'-8"	3'-10"	6'-2 ¹ / ₄ "	8'-9"	26'-1 ¹ / ₄ "	13.3	Yes
11'-0"	6'-0"	11"	11"	11"	7'-8"	4'-4"	7'-2 ¹ / ₄ "	10'-2"	28'-1 ¹ / ₈ "	15.5	Yes
12'-0"	2'-0"	12"	12"	12"	3'-9"	2'-5"	3'-3 ⁵ / ₈ "	4'-8"	21'-6 ¹ / ₂ "	9.3	No
12'-0"	3'-0"	12"	12"	12"	4'-9"	2'-11"	4'-3 ⁵ / ₈ "	6'-1"	23'-6 ¹ / ₂ "	11.1	No
12'-0"	4'-0"	12"	12"	12"	5'-9"	3'-5"	5'-3 ⁵ / ₈ "	7'-6"	25'-6 ³ / ₈ "	13.0	Yes
12'-0"	5'-0"	12"	12"	12"	6'-9"	3'-11"	6'-3 ⁵ / ₈ "	8'-11"	27'-6 ³ / ₈ "	14.1	Yes
12'-0"	6'-0"	12"	12"	12"	7'-9"	4'-5"	7'-3 ⁵ / ₈ "	10'-4"	29'-6 ³ / ₈ "	17.4	Yes

Note:
Two sets of apron end section dimensions are shown above for some box culvert sizes due to the top and bottom slabs having different thicknesses per ASTM C 1577 for design fill heights less than 2 ft.
(Sheet 1 of 2)

SCB-AES

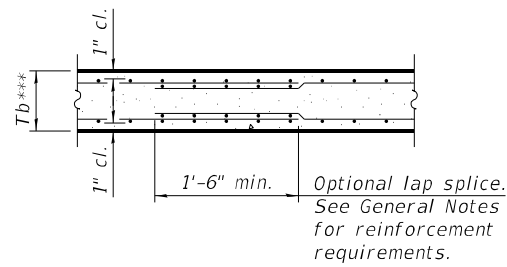
2-17-2017

FILE NAME =	USER NAME = Mono.Steffen	DESIGNED -	REVISED - JEH 06-01	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PRECAST CONCRETE BOX CULVERT APRON END SECTION DETAILS	F.A.P R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.					
PLOT SCALE = 100.0000' / in.			REVISED - MKS 09-08								714	(128, 129) RS-4	MACON	55	51
PLOT DATE = 10/21/2022			CHECKED -								REVISED - MKS 03-12	CONTRACT NO. 74813			
				SCALE: N/A		SHEET NO. 2 OF 3 SHEETS		STA.		TO STA.		FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	



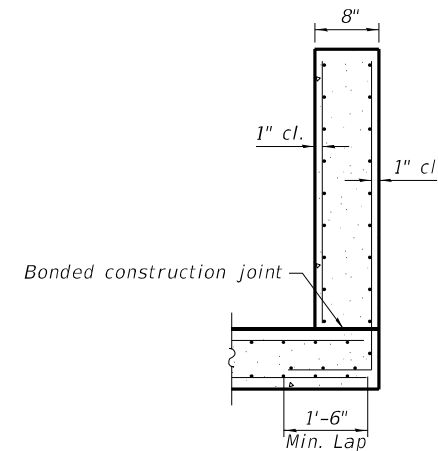
SECTION B-B
(Top slab at downstream end)

SECTION B-B
(Top slab at upstream end)

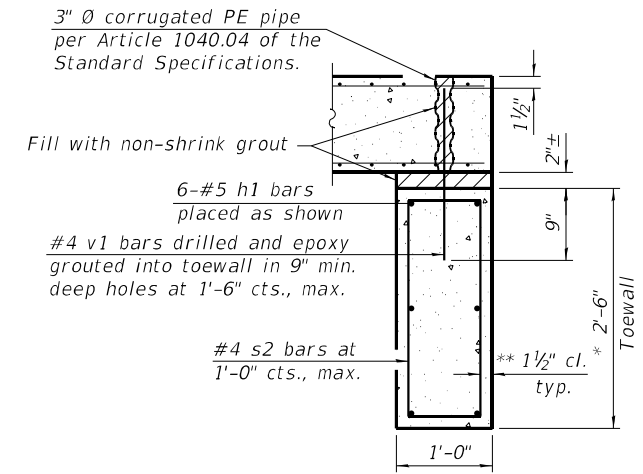


SECTION B-B
(Bottom Slab)

*** This dimension shall be increased by 2" for CIP construction.



SECTION C-C



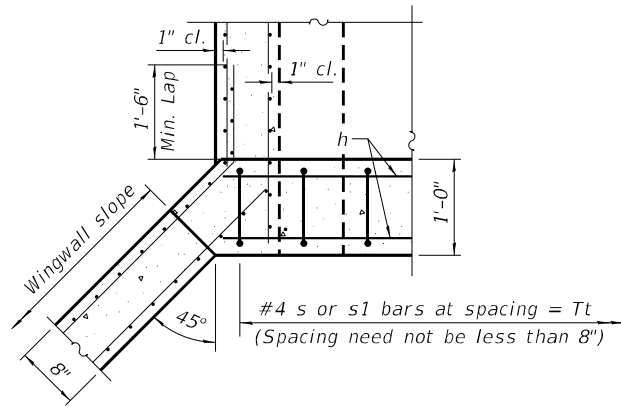
SECTION D-D

TOEWALL CONSTRUCTION SEQUENCE

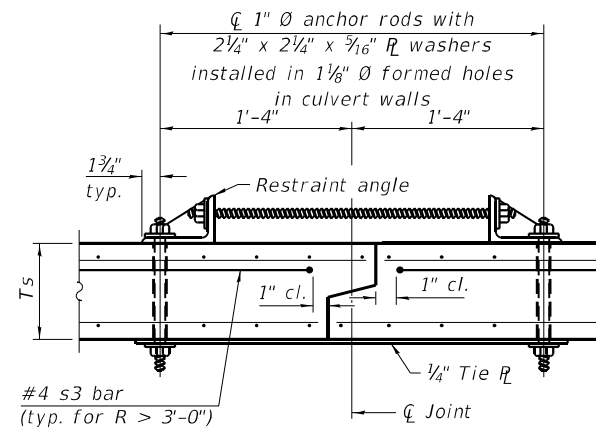
1. Perform excavation and construct toewall.
2. Backfill accordingly and place bedding for precast box culvert end sections.
3. Set precast box culvert end section.
4. Drill and epoxy grout reinforcement in toewall in accordance with Section 584 of the Standard Specifications.
5. Pressure grout voids using non-shrink grout conforming to Section 1024 of the Standard Specifications.

* The Contractor may furnish a precast or cast-in-place toewall. The Contractor shall be responsible for the strength and stability of the precast toewall during handling. Additional lifting points may be required depending upon the length of the toewall or the Contractor may need to modify the design of the toewall for the proposed handling method.

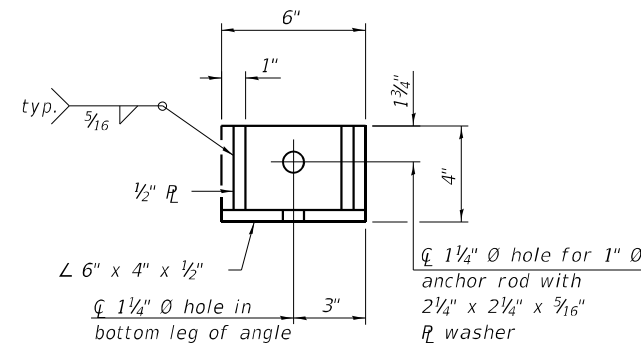
** If soil conditions permit, the sides of the toewall may be poured directly against the soil. The clear cover on the sides of the toewall shall be increased to 3" by increasing the thickness of the toewall.



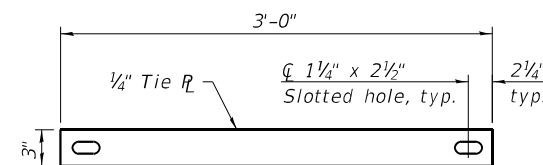
SECTION E-E



SECTION F-F
(Showing culvert tie details)



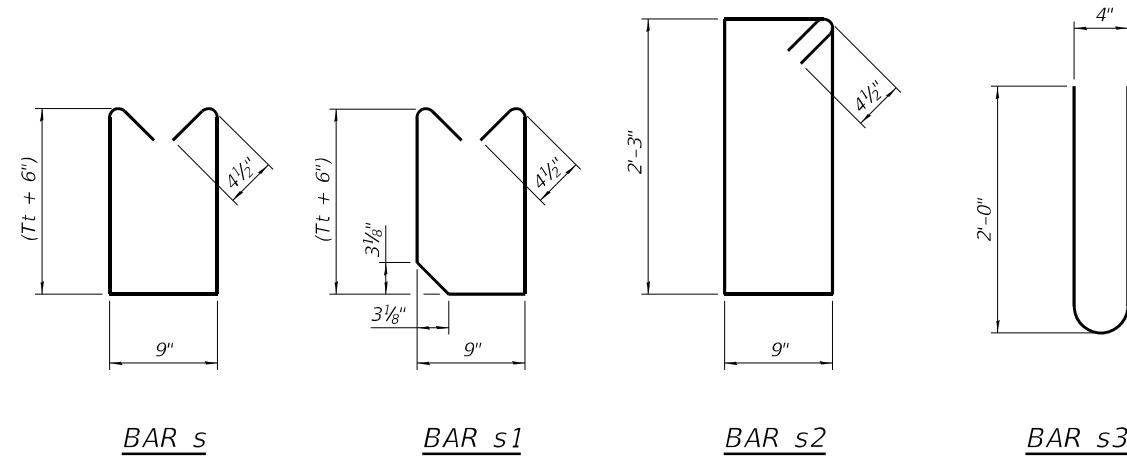
RESTRAINT ANGLE DETAIL



TIE PLATE DETAIL

Notes:

1" Ø anchor rods for the culvert ties shall conform to the requirements of ASTM F1554, Grade 105. Structural steel for the tie plate and restraint angle shall conform to the requirements of Article 1006.04 of the Standard Specifications. All components of the culvert tie detail shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable. 2 1/4" x 2 1/4" x 5/16" plate washers shall be provided under each nut required for the anchor rods. Anchor rods connecting precast sections shall be brought to a snug tight condition followed by an additional 1/2 turn on one of the nuts for anchor rods installed in the walls. Match marks shall be provided on the bolt and nut to verify relative rotation between the bolt and the nut. Holes in the walls for the culvert tie assembly may be drilled using core bits in lieu of using formed holes.



BAR s

BAR s1

BAR s2

BAR s3

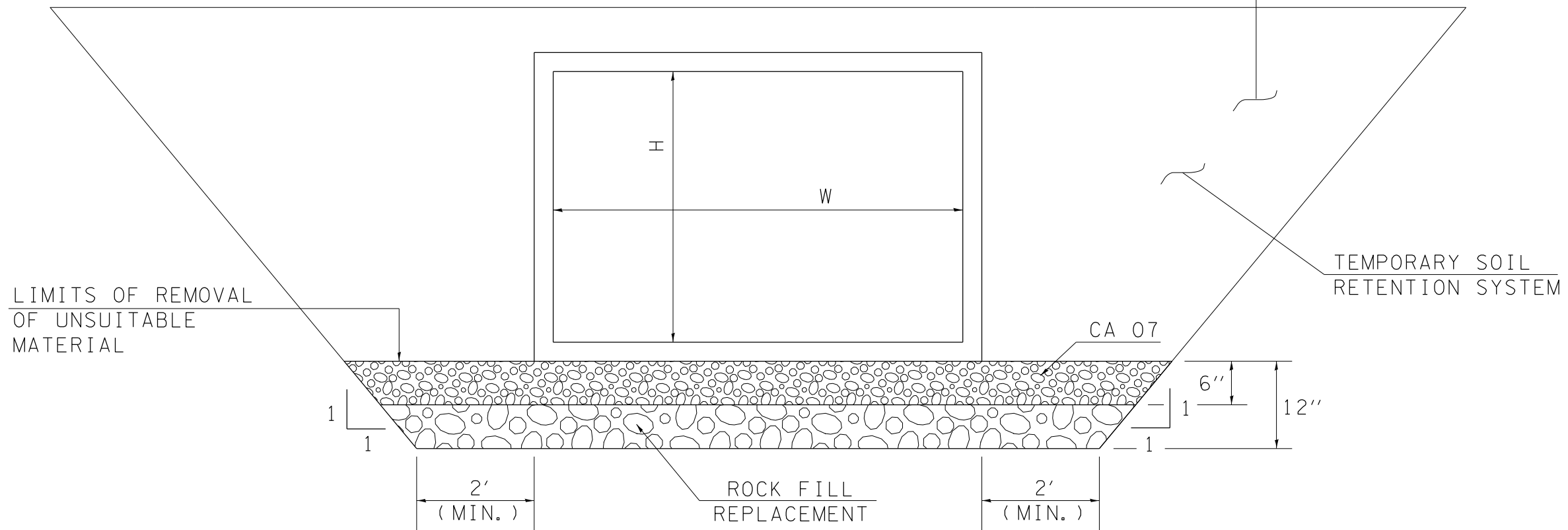
SCB-AES

2-17-2017

(Sheet 2 of 2)

FILE NAME =	USER NAME = Mono.Steffen	DESIGNED -	REVISED - JEH 06-01	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PRECAST CONCRETE BOX CULVERT APRON END SECTION DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\idot-pw\bentley.com\PWIDOT\Documents\IDOT Offices\District 7\Projects\74813\CADD\Drawings\Drawings\0774813-sht-details.dgn		REVISOR -	MKS 09-08					714	(128, 129) RS-4	MACON	55	52
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISOR -	MKS 03-12					CONTRACT NO. 74813				
PLOT DATE = 10/21/2022	DATE -	REVISOR -						FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
				SCALE: N/A	SHEET NO. 3 OF 3 SHEETS	STA.	TO STA.					

POROUS GRANULAR BACKFILL WITHIN LIMITS OF PROPOSED ROADWAY AND PAVED SHOULDERS. OUTSIDE LIMITS OF PAVED SHOULDERS THE CULVERT SHALL BE BACKFILLED IN ACCORDANCE WITH SECTION 502 OF THE STANDARD SPECIFICATIONS.



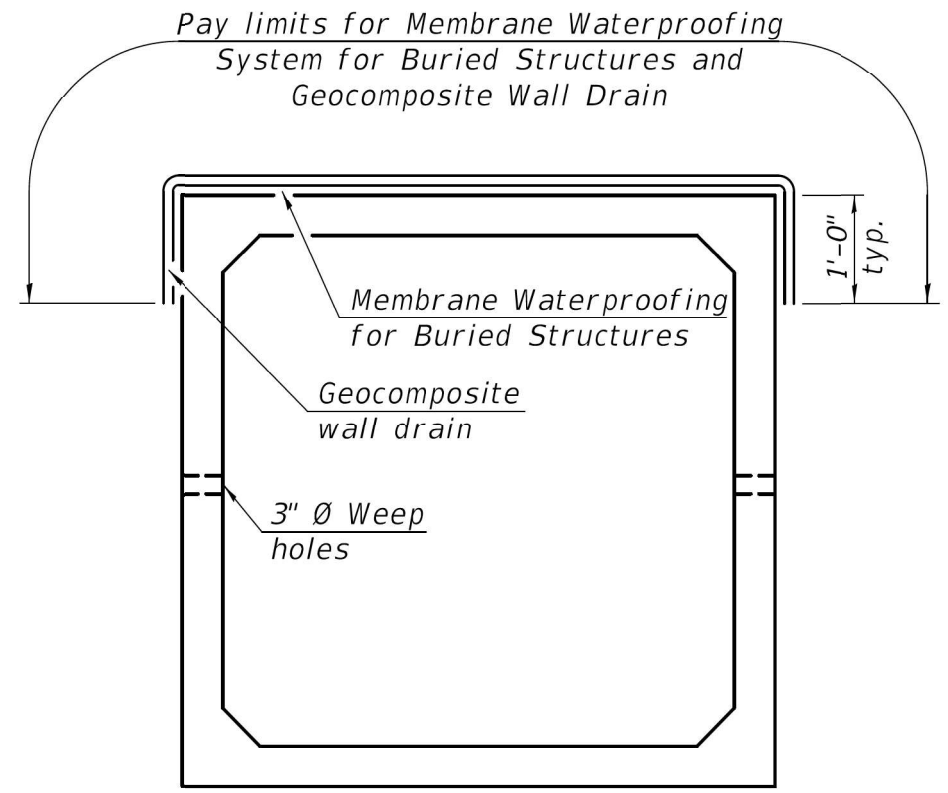
NOTE:
THE COST OF THE CA 07 PLACE UNDER THE NEW BOX CULVERT EXTENSION AS SHOWN ABOVE SHALL BE INCLUDED IN THE COST OF PRECAST CONCRETE BOX CULVERT.

NOTE:
THE LIMITS AND QUANTITIES SHOWN ARE ESTIMATED. THE FINAL DEPTH OF UNDERCUT WILL BE DETERMINED BY THE ENGINEER AT THE TIME OF CONSTRUCTION.

CULVERT UNDERCUT DETAIL

MODEL: Default
 FILE: I:\MAILS_P\Subect-aw-bee\fy.com\PIV\DOT\Documents\DOT Office\Dir\dr. 2\Project\74813\CADD\Bldg\CAD\Sheet\0774813-5-RT-detail.dgn

USER NAME = Matthew.Bower	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BOX CULVERT DETAILS			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN -	REVISED -	714					(128, 129) RS-4	MACON	55	53	
PLOT SCALE = 100,0000' / in.	CHECKED -	REVISED -		SCALE: N/A	SHEET 1	OF 3 SHEETS	STA.	TO STA.	CONTRACT NO. 74813		
PLOT DATE = 11/28/2022	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



PRECAST CONCRETE
BOX CULVERT

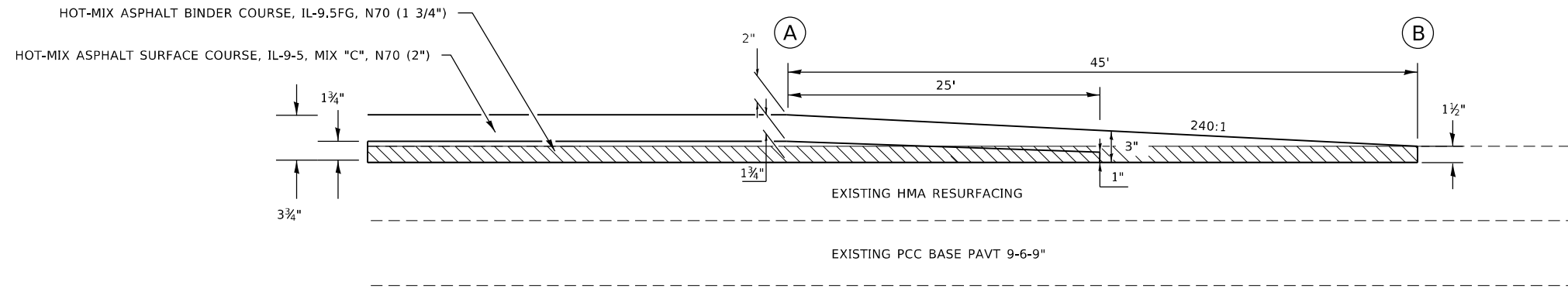
Fill Height \leq 3 ft.
For fill heights > 3 ft., omit Membrane Waterproofing System for Buried Structures and Geocomposite Wall Drain.

Note:
Geocomposite Wall Drain shall be according to Section 591 of the Standard Specifications, except that concrete nails shall not be used in areas where it overlaps Membrane Waterproofing System for Buried Structures.

USER NAME = Mona.Steffen	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MEMBRANE WATERPROOFING SYSTEM FOR PRECAST CULVERTS		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -				714	(128, 129)RS-4	MACON	59	54
PLOT DATE = 10/21/2022	CHECKED -	REVISED -		SCALE: N/A		SHEET 1 OF 1 SHEETS		CONTRACT NO. 74813		
DATE -	REVISED -	REVISED -		STA. TO STA.		ILLINOIS FED. AID PROJECT				

BUTT JOINT DETAIL

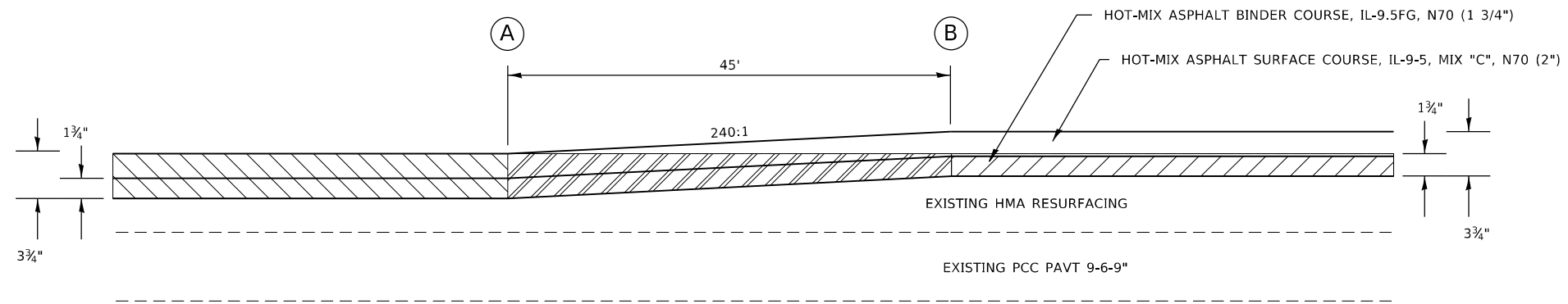
(A)	TO	(B)
STATION		STATION
206+92		206+47
380+89		381+34
383+42		382+97
667+84		668+29



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

PAVING DETAILS

(A)	TO	(B)
STATION		STATION
252+00		251+55
293+50		293+95
312+29		311+84
318+64		319+09
347+82		347+37
350+61		351+06



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

HOT-MIX ASPHALT SURFACE REMOVAL, 3 3/4"

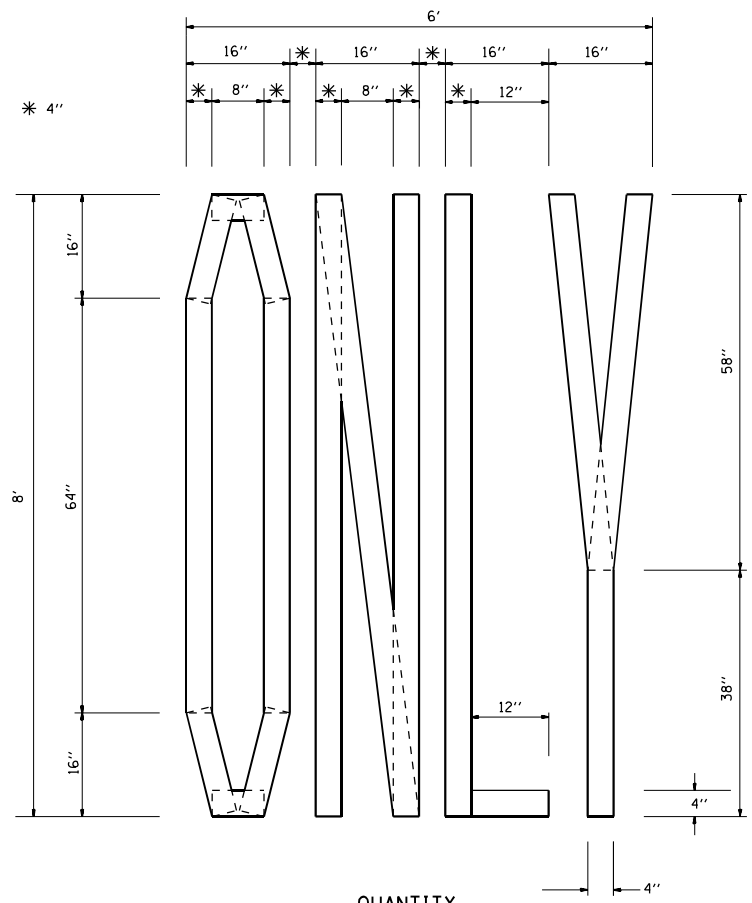
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MISC. DETAIL

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	DRAWN -	REVISED -
PLOT SCALE = \$SCALES	CHECKED -	REVISED -
PLOT DATE = \$DATES	DATE -	REVISED -

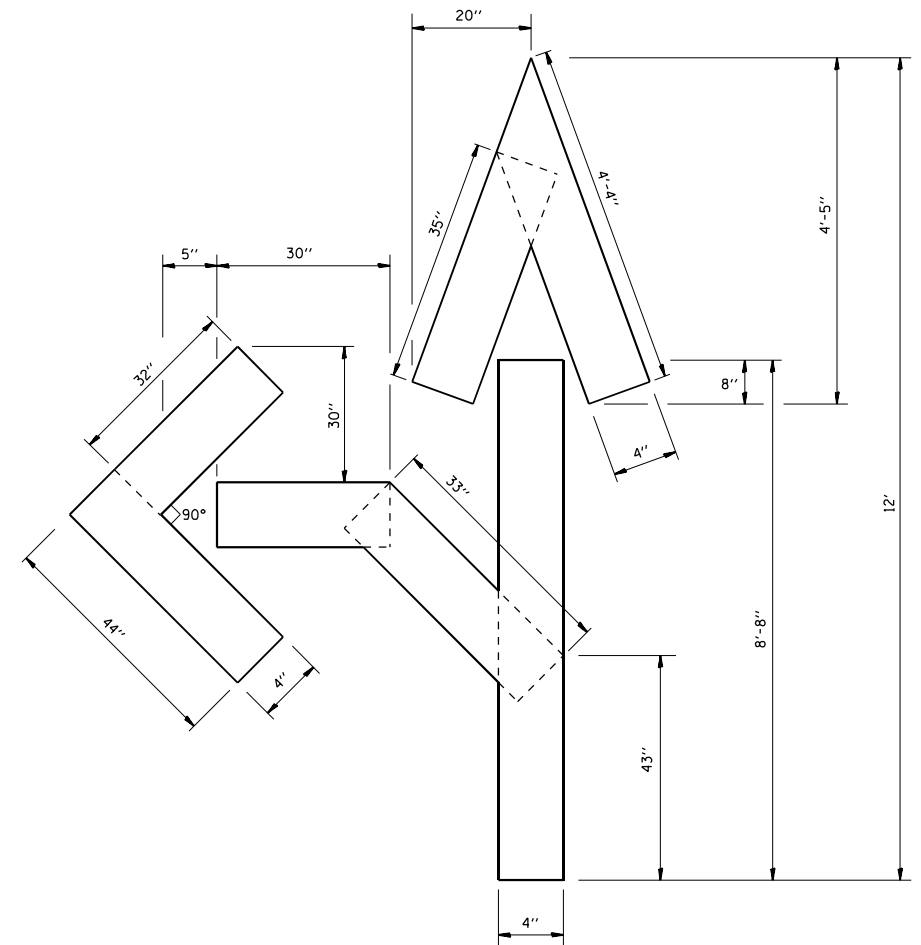
SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128, 129) RS-4	MACON	59	54A
CONTRACT NO. 74813				
ILLINOIS FED. AID PROJECT				

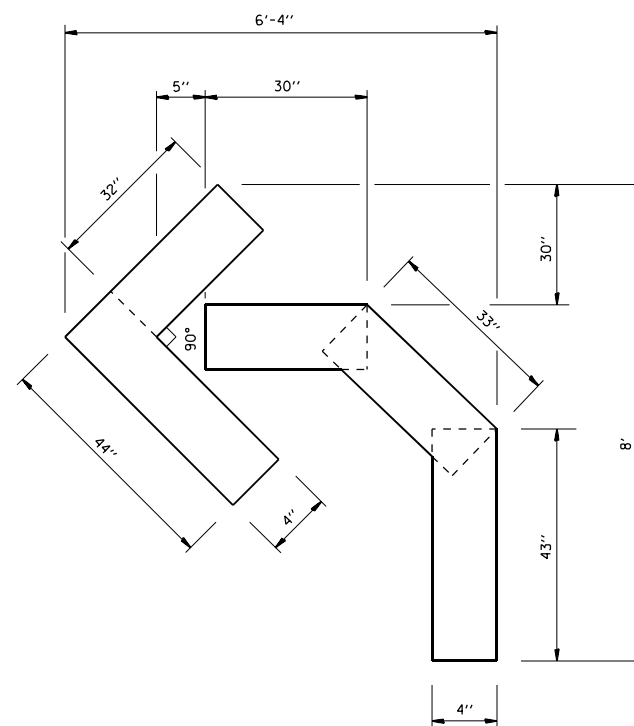


QUANTITY
 4" LINE = 63.2 ft.
 21.0 sq. ft.

SHORT TERM STOP BAR



QUANTITY
 4" LINE = 27.5 ft.
 9.2 sq. ft.



QUANTITY
 4" LINE = 15.2 ft.
 5.0 sq. ft.

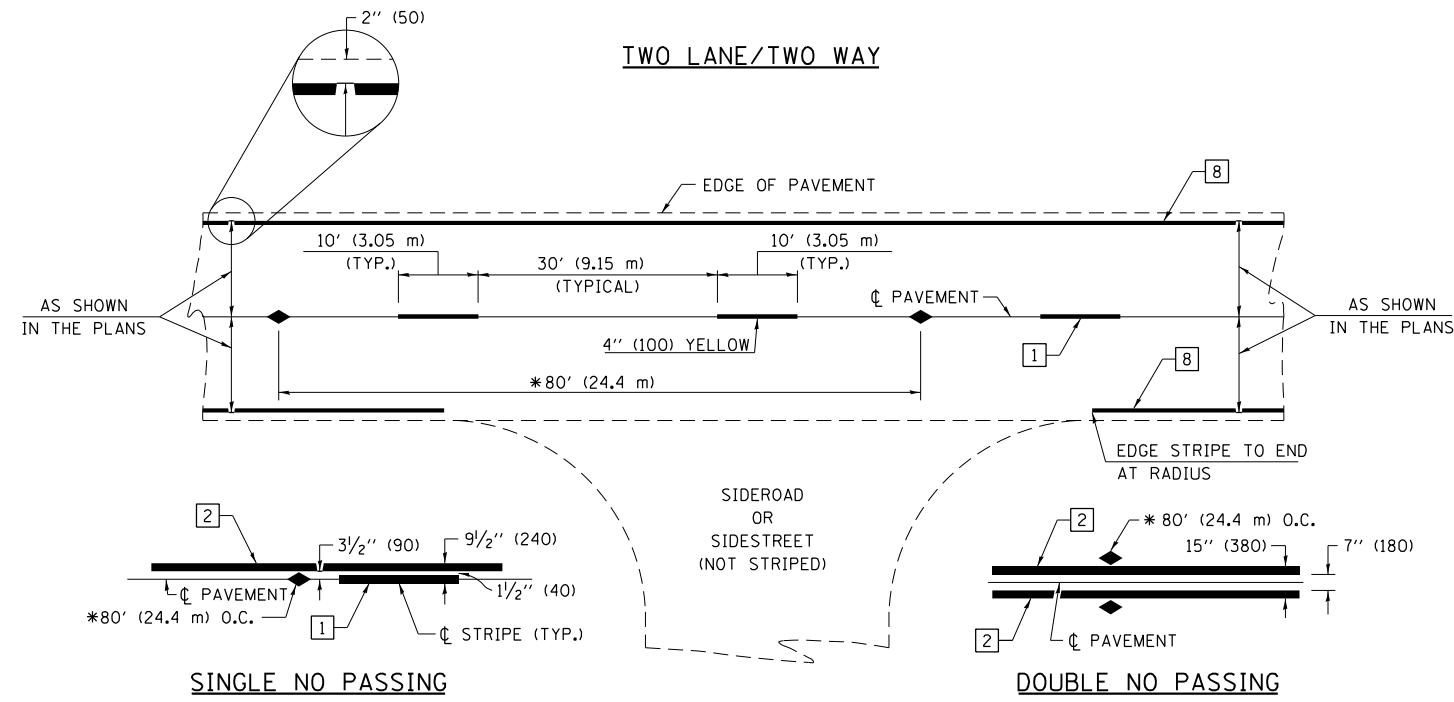
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USER NAME = Mona.Steffen	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 99.9746 * / in.	CHECKED -	REVISED -
PLOT DATE = 10/21/2022	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

DETAIL FOR SHORT TERM PAVEMENT MARKING			
SCALE: NA	SHEET 1	OF 1 SHEETS	STA. TO STA.

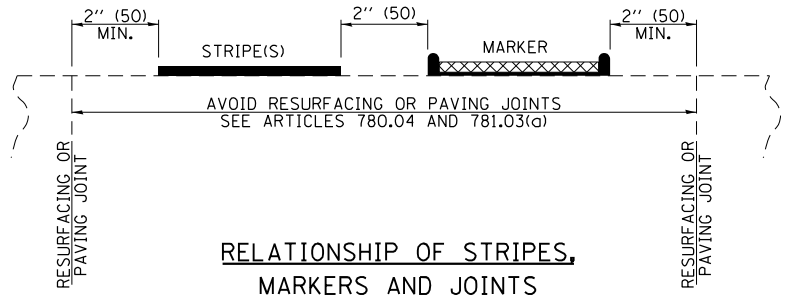
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
714	(128, 129) RS-4	MACON	59	55
CONTRACT NO. 74813				
ILLINOIS FED. AID PROJECT				



* 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 12" (300) SOLID WHITE
- 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 4" (100) PARKING WHITE

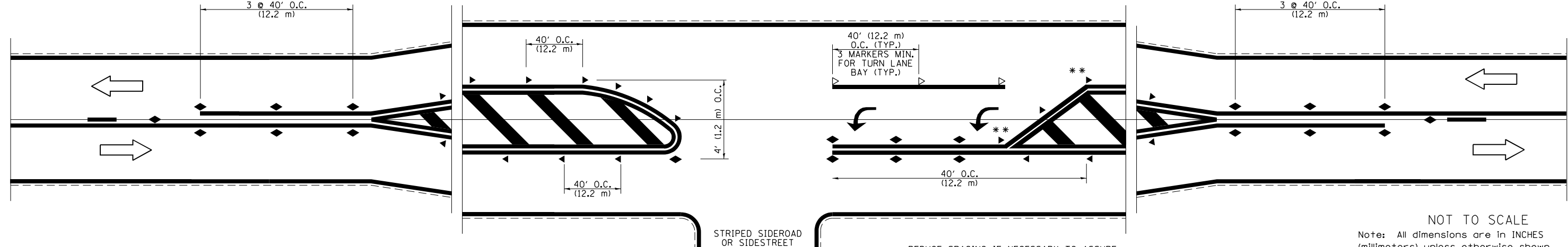


RELATIONSHIP OF STRIPES, MARKERS AND JOINTS

TYPICAL PAVEMENT MARKERS LEGEND

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

RAISED REFLECTIVE PAVEMENT MARKERS

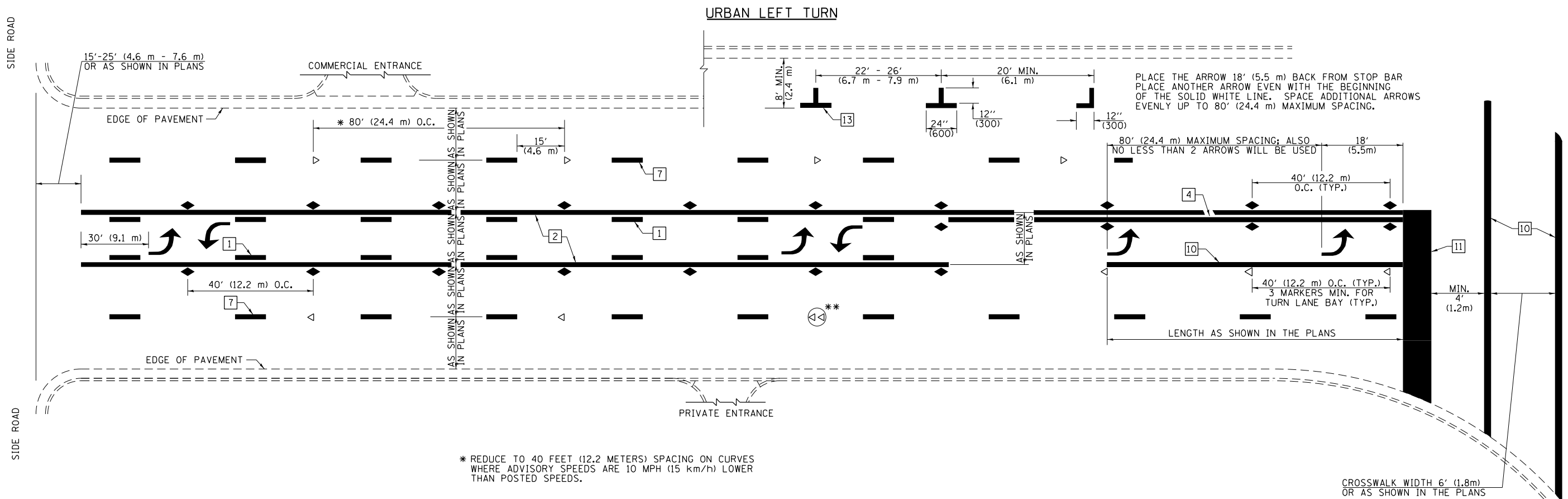


** REDUCE SPACING IF NECESSARY TO ASSURE MARKERS AT CORNER POINTS.

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

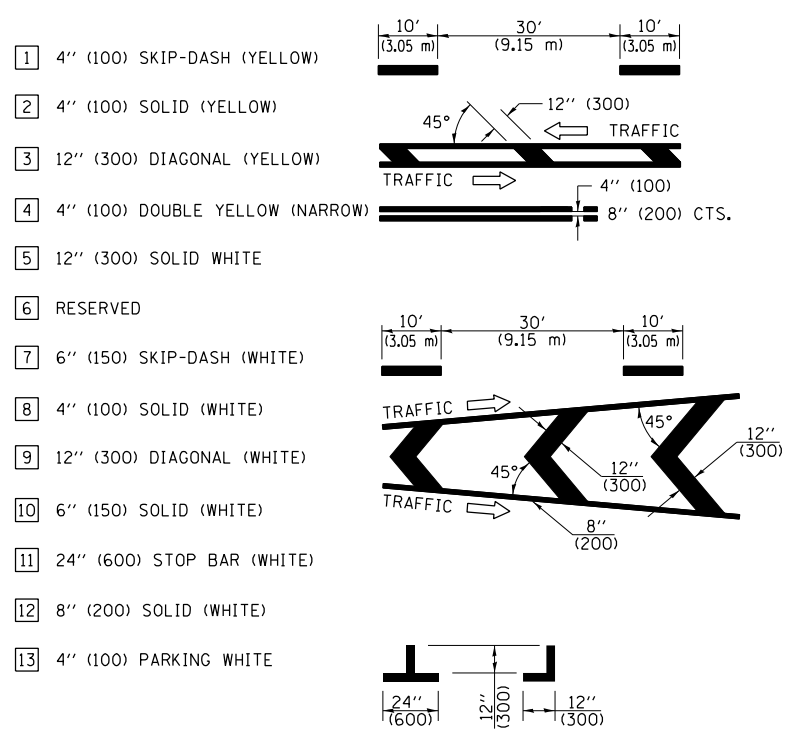
DISTRICT 7 DETAIL NO. 7800001

FILE NAME =	USER NAME = Mono.Steffen	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.
pw:\1ldot-pw\bentley.com\PWIDOT\Documents\DOT Offices\District 7\Projects\74813\CADD\Drawings\Drawings\74813-sht-details.dgn	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -			714	(128, 129) RS-4	MACON	59	56
PLOT DATE = 10/21/2022	DATE -	REVISED -	REVISED -			CONTRACT NO. 74813				
						ILLINOIS FED. AID PROJECT				



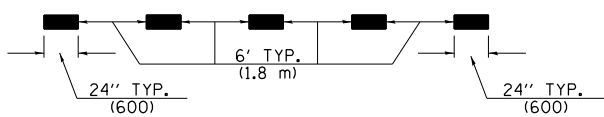
- * REDUCE TO 40 FEET (12.2 METERS) SPACING ON CURVES WHERE ADVISORY SPEEDS ARE 10 MPH (15 km/h) LOWER THAN POSTED SPEEDS.
- ** DOUBLE LANE LINE MARKERS SHALL BE SPECIFIED AND SPACED AS SHOWN IN HIGHWAY STANDARD 781001 FOR MULTI-LANE DIVIDED AND UNDIVIDED HIGHWAYS.

PAVEMENT MARKING LEGEND

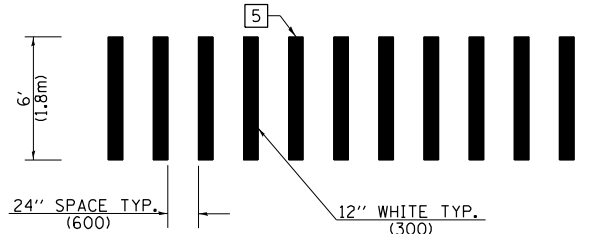


GENERAL NOTES

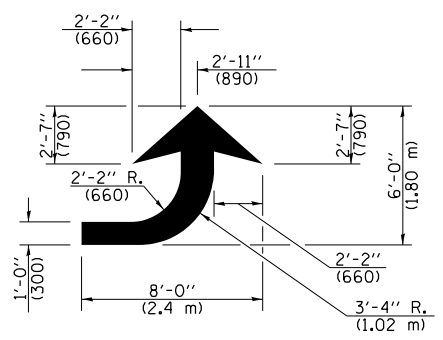
- TURN ARROW PAIRS SHALL BE PLACED AT 250' (75 m) INTERVALS AND SHALL BE EVENLY SPACED BETWEEN BOTH ENDS OF THE BIDIRECTIONAL LEFT TURN LANE. USE A MINIMUM OF TWO PAIRS PER BLOCK.
- THE SOLID YELLOW PAVEMENT MARKINGS [2] SHOULD GENERALLY START OR END NEAR THE RADIUS POINT OF EACH STREET RETURN EXCEPT WHERE ONE OR BOTH ENDS WOULD INCLUDE STOP BARS.
- 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.
- USE LARGE ARROW SIZE FOR BOTH RURAL AND URBAN LOCATIONS. (SEE LAST PAGE OF SECTION 780x FOR SYMBOLS TABLE)
- LANE LINE EXTENSIONS SHALL BE THE SAME COLOR AND WIDTH AS THE LANE LINE BEING EXTENDED.



LANE LINE EXTENSIONS

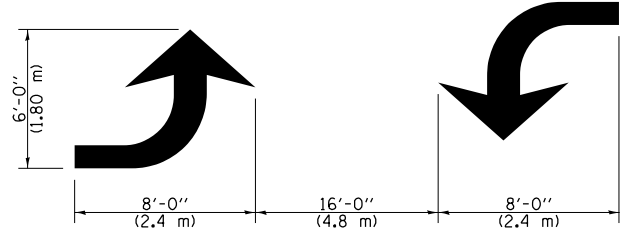


CROSSWALK DETAIL (DECATUR CITY LIMITS ONLY)



LEFT ARROW

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



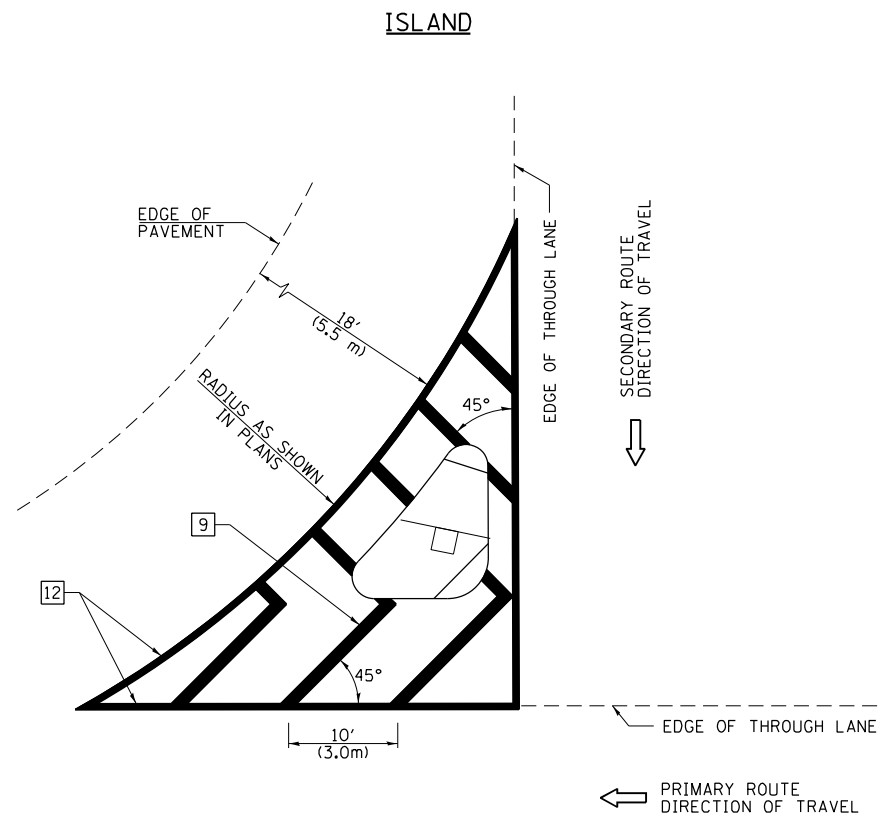
TYPICAL DOUBLE TURN ARROWS (WHITE)

NOT TO SCALE

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

DISTRICT 7 DETAIL NO. 7800001

FILE NAME =	USER NAME = Mono.Steffen	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.
pw:\idot-pw\Bentley.com\PWIDOT\Documents\IDOT Offices\District 7\Projects\74813\CADD\Drawings\74813-sht-details.dgn	DRWN	CHECKED -	REVISED -					714	(128, 129) RS-4	MACON	59	57
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	REVISED -					CONTRACT NO. 74813				
PLOT DATE = 10/21/2022	DATE -	REVISED -	REVISED -					ILLINOIS FED. AID PROJECT				

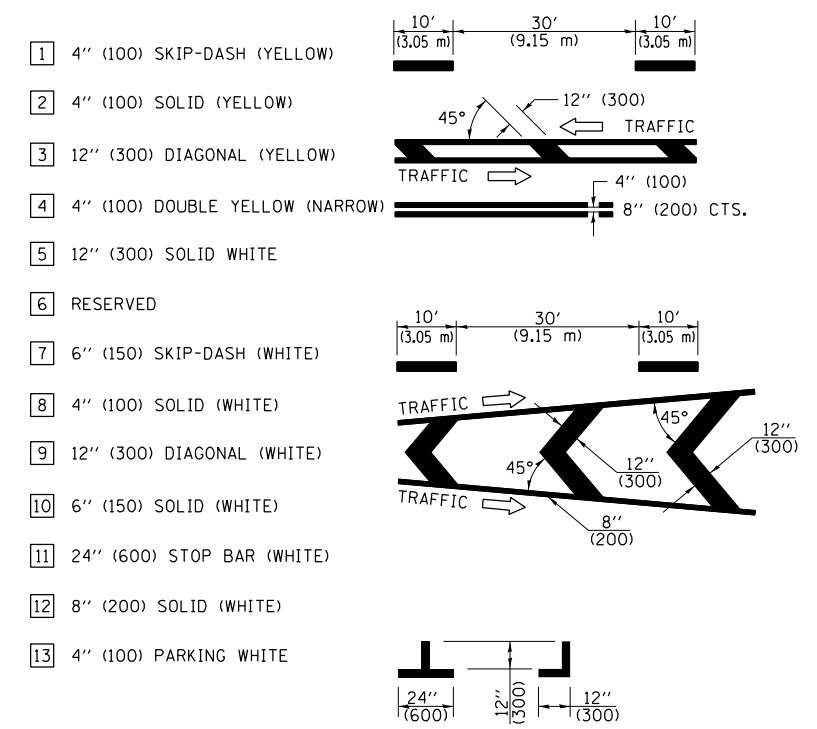


GENERAL NOTES

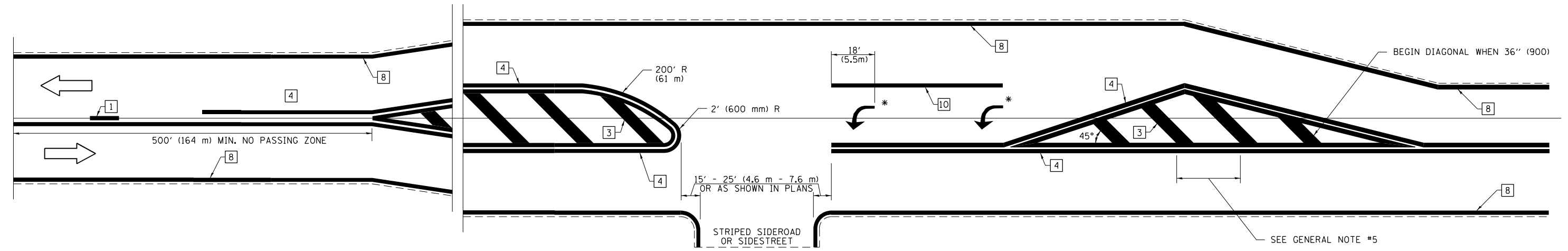
1. RAISED AND CORRUGATED MEDIANS SHALL BE OUTLINED WITH [2] IF PRESENT.
2. SOME OF THE INFORMATION INCLUDED WITH THIS DETAIL MAY NOT BE APPLICABLE TO THIS IMPROVEMENT.
3. PAVEMENT MARKINGS ARE TO BE EXTENDED THROUGH OMISSIONS WHEN APPLICABLE.
4. FINAL PAVEMENT MARKINGS SHALL BE IN PLACE PRIOR TO PLACING ANY RAISED REFLECTIVE PAVEMENT MARKERS.
5. THE FOLLOWING CRITERIA SHALL BE USED FOR SELECTING THE DIAGONAL PAVEMENT MARKING SPACING:

< 30 MPH (< 50 km/h)	15' (4.5 m)
30-45 MPH (50-75 km/h)	20' (6.0 m)
> 45 MPH (> 75 km/h)	30' (9.0 m)

PAVEMENT MARKING LEGEND



RURAL LEFT TURN STRIPING



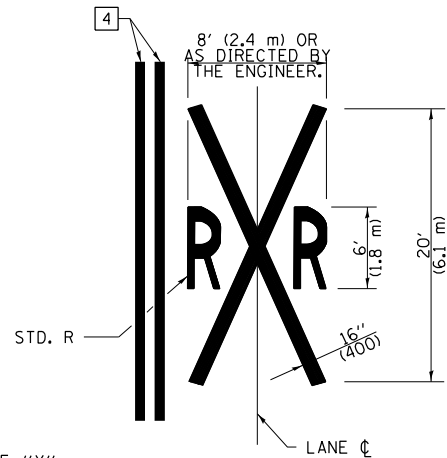
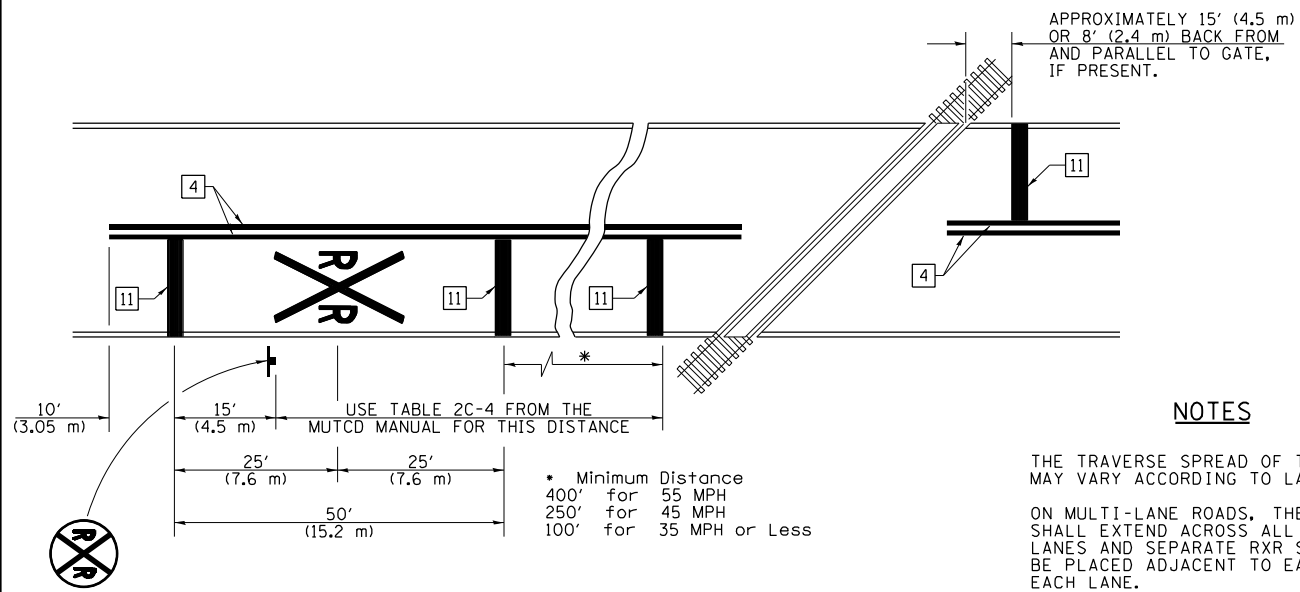
* PLACE AN ARROW 18' (5.5 m) BACK FROM STOP BAR. PLACE ANOTHER ARROW EVEN WITH THE BEGINNING OF THE SOLID WHITE LINE. SPACE ADDITIONAL ARROWS EVENLY UP TO 80' (24.4 m) MAXIMUM SPACING. USE MINIMUM OF 2 ARROWS.

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

DISTRICT 7 DETAIL NO. 7800001

FILE NAME =	USER NAME = Mono.Steffen	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.	
pw:\idot-pw.bentley.com\PWIDOT\Documents\IDOT Offices\District 7\Projects\74813\CADD\Drawings\Drawings\74813-sht-details.dgn	PLT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -			714	(128, 129) RS-4	MACON	59	58	
PLT DATE = 10/21/2022	DATE -	REVISED -	REVISED -			CONTRACT NO. 74813					
						ILLINOIS FED. AID PROJECT					

PAVEMENT MARKINGS AT RAILROAD-HIGHWAY GRADE CROSSING



NOTES

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

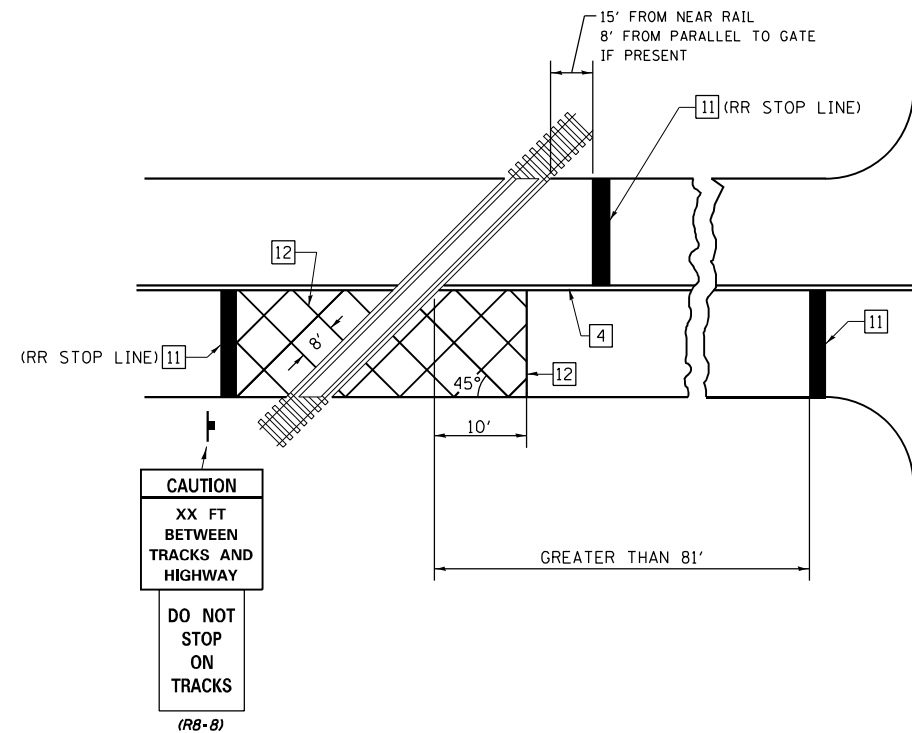
ON MULTI-LANE ROADS, THE STOP LINES SHALL EXTEND ACROSS ALL APPROACH LANES AND SEPARATE RXR SYMBOLS SHALL BE PLACED ADJACENT TO EACH OTHER IN EACH LANE.

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

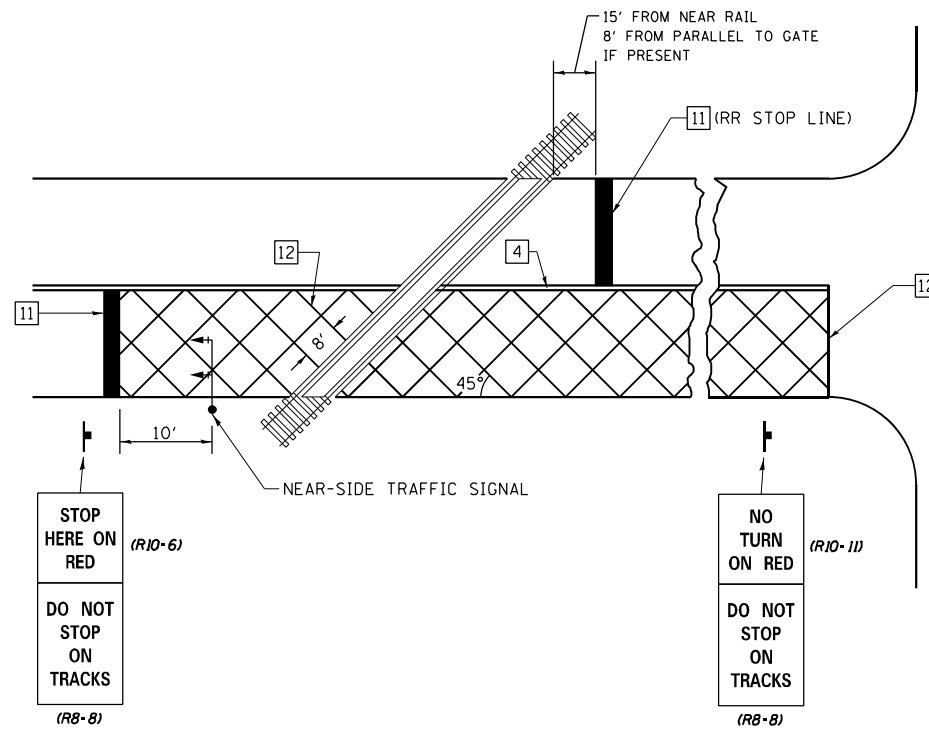
PAVEMENT MARKING LEGEND

- 1 4" (100) SKIP-DASH (YELLOW)
- 2 4" (100) SOLID (YELLOW)
- 3 12" (300) DIAGONAL (YELLOW)
- 4 4" (100) DOUBLE YELLOW (NARROW)
- 5 12" (300) SOLID WHITE
- 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 4" (100) PARKING WHITE

RAILROAD CROSSING WITH INTERCONNECT ONLY



RAILROAD CROSSING WITH INTERCONNECT AND PRE-SIGNALS



GENERAL NOTES

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

SUPPLEMENTAL PAVEMENT MARKING TREATMENT FOR RAILROAD-HIGHWAY GRADE CROSSING

NOT TO SCALE

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

DISTRICT 7 DETAIL NO. 7800001

FILE NAME =	USER NAME = Mono.Steffen	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.
pw:\idot-pw\bentley.com\PIWIDOT\Documents\IDOT Offices\District 7\Projects\74813\CADD\Drawings\74813-sht-details.dgn		CHECKED -	REVISED -			714	(128, 129) RS-4	MACON	59	59
PLOT SCALE = 100.0000' / 1" =		DATE -	REVISED -			CONTRACT NO. 74813				
PLOT DATE = 10/21/2022						ILLINOIS FED. AID PROJECT				