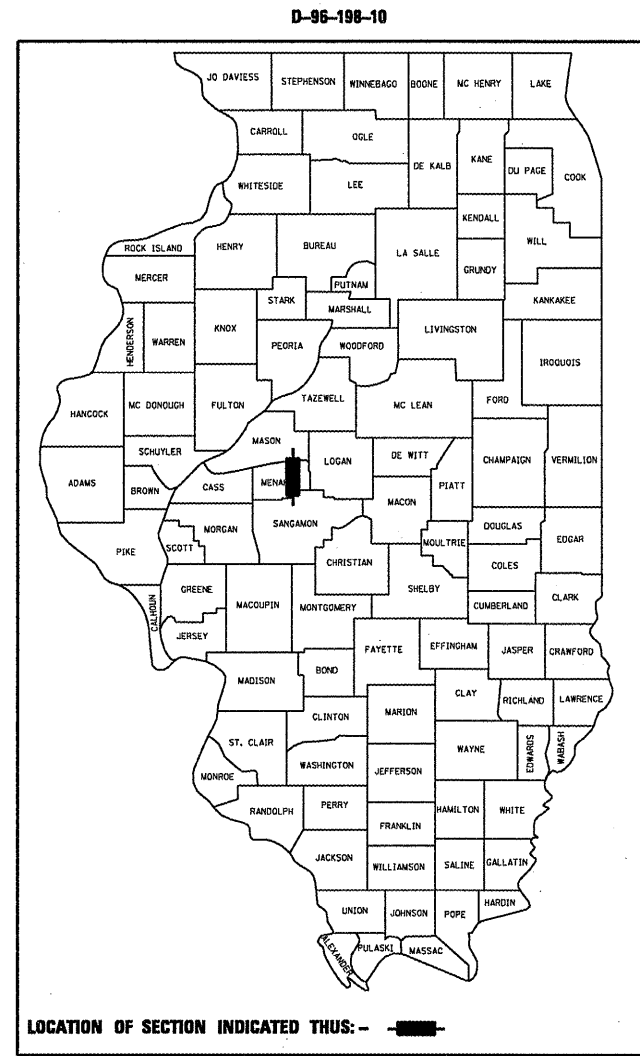


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
658	(O)RS-1; (C,D,E)RS-3	MENARD	53	1
		ILLINOIS	CONTRACT NO. 72D65	

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
**PROPOSED  
HIGHWAY PLANS**

FAP ROUTE 658 (IL29)  
SECTION (O)RS-1; (C,D,E)RS-3  
PROJECT ACF-HSIP-0658  
RESURFACING  
MENARD COUNTY

C-96-198-10



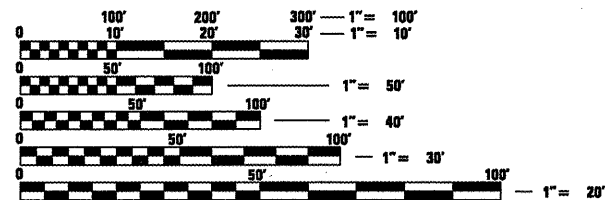
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IDOT HIGHWAY STANDARDS

000001-06	635011-02	701306-03
482001-02	642001-01	701326-04
630001-09	701001-02	701501-06
630101-09	701006-03	701901-01
<b>630301-05</b>	701201-04	780001-02
631011-07	701301-04	781001-03

PROJECT ENGINEER: JOHN NEGANGARD (217) 782-6990  
PROJECT MANAGER: MARK DUST (217) 785-0597



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

GROSS LENGTH = 64,583.51 FT. = 12.232 MILE  
NET LENGTH = 64,583.51 FT. = 12.232 MILE

CONTRACT NO. 72D65

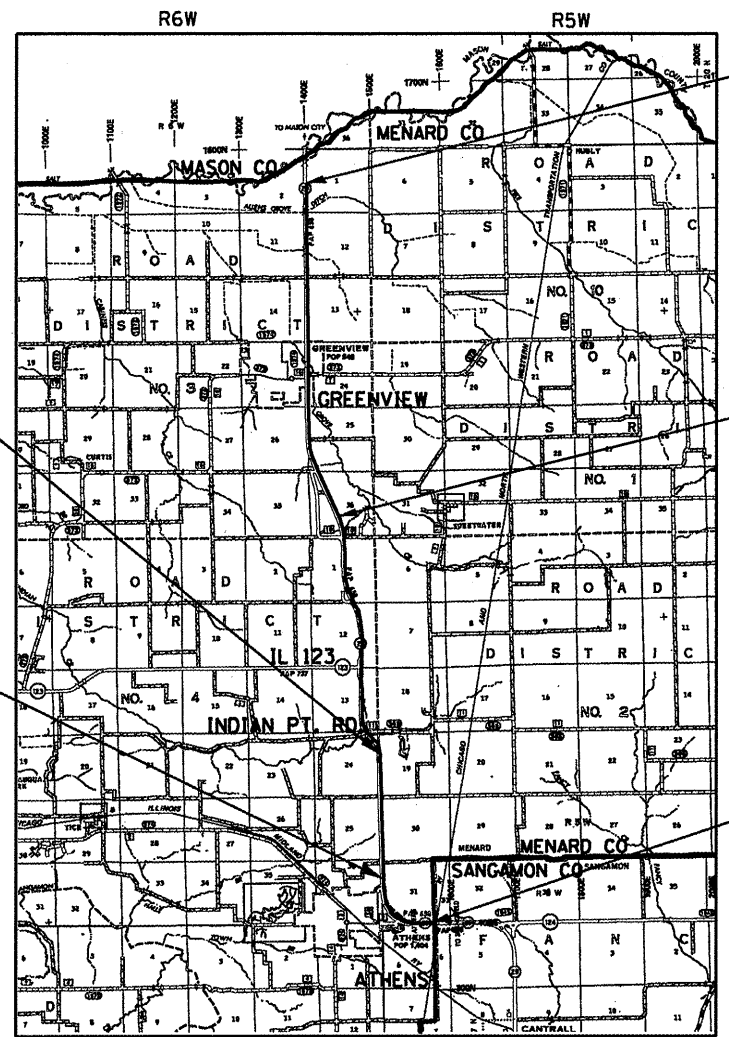
STATION EQUATION  
STA. 270+60.46 AH =  
STA. 270+19.96 BK

STATION EQUATION  
STA. 139+88.70 AH =  
STA. 138+81.73 BK

END PROJECT  
STA. 732+50.94

STATION EQUATION  
STA. 455+82.01 AH =  
STA. 455+62.05 BK

BEGIN PROJECT  
STA. 85+00.00



ADT= 2000-8100 (2009)  
PV= 3912 (88.4%)  
SU= 313 (7.1%)  
MU= 200 (4.5%)

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED *February 9, 2011*

*Roger Z. Druel*  
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

*March 25, 2011*  
*Scott E. Stitt P.E.*  
ACTING ENGINEER OF DESIGN AND ENVIRONMENT

*March 25, 2011*  
*Christine M. Lead*  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

**PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS**

**GENERAL NOTES**

- 1 ALL ELEVATIONS SHOWN IN THE PLANS ARE U. S. G. S. MEAN SEA LEVEL DATUM.
- 2 ANY REFERENCE TO STANDARDS THROUGHOUT THE PLANS SHALL BE INTERPRETED TO BE THE LATEST STANDARDS OF THE DEPARTMENT AS INCLUDED IN THE BACK OF THE PLANS.
- 3 THE THICKNESS OF HOT-MIX ASPHALT SHOWN ON THE PLANS IS THE NORMAL THICKNESS. DEVIATIONS FROM THE NORMAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HOT-MIX ASPHALT IS PLACED.
- 4 SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET OR IN AN UNTILLABLE CONDITION. AREAS TO BE SEEDED SHALL BE DETERMINED BY THE ENGINEER.
- 5 EXISTING PAVEMENT DAMAGED DUE TO THE CONTRACTOR'S OPERATIONS, AND NOT OTHERWISE NECESSARY TO REPLACE, SHALL BE REPLACED AT THE EXPENSE OF THE CONTRACTOR.
- 6 THE LOCATIONS OF THOSE BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINE IN ARTICLE 107.26 OF THE STANDARD SPECIFICATIONS. THE J.U.L.I.E. NUMBER IS 800-892-0123. A MINIMUM OF FORTY-EIGHT HOURS ADVANCED NOTICE IS REQUIRED.
- 7 THE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION SHALL BE RELOCATED AS DIRECTED BY THE ENGINEER. AFTER THE CONSTRUCTION IS COMPLETED, THE CONTRACTOR WILL REPLACE THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
- 8 ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OUTSIDE THE LIMITS OF RIGHT-OF-WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARDS SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- 9 WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED THE DEPARTMENT SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL PROPERTY MARKERS AND MONUMENTS UNTIL THE OWNER AND AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. IF THE ENGINEER DECIDES TO HAVE THE CONTRACTOR RESET THE MONUMENT, THIS WORK WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04.
- 10 NO PASSING ZONES SHALL BE FIELD VERIFIED BY OPERATIONS, DIST. 6, 14 DAYS PRIOR TO FINAL PAVEMENT MARKINGS. THE DISTRICT 6 SIGN SHOP CAN BE REACHED AT (217)785-0288.
- 11 THE FOLLOWING APPLICATION RATES WERE USED FOR QUANTITY CALCULATIONS.
 

AGGREGATE ITEMS	2.05 TON / CU YD
HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N**	112 lbs/sq. yd. inch
HOT-MIX ASPHALT SURFACE COURSE, MIX "--", N**	112 lbs/sq. yd. inch
HOT-MIX ASPHALT SHOULDER	112 lbs/sq. yd. inch
INCIDENTAL HMA SURFACE	112 lbs/sq. yd. inch
AGGREGATE (PRIME COAT)	0.002 TON / SQ YD
BITUMINOUS MATERIAL (PRIME COAT) (ON BITUMINOUS)	0.00038 TON / SQ YD
BITUMINOUS MATERIAL (PRIME COAT) (ON AGGREGATE)	0.001425 TON / SQ YD
NITROGEN	90 LBS / ACRE
PHOSPHOROUS	90 LBS / ACRE
POTASSIUM	90 LBS / ACRE
MULCH	2 TON / ACRE
AGRICULTURAL GROUND LIMESTONE	2.0 TON / ACRE
TEMPORARY EROSION CONTROL SEEDING	100 LB / ACRE
RIPRAP	1.75 TON / CU YD

12 THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT.

MIXTURE USES:	HMA SURFACE	HMA LEVEL BINDER	PATCHING	HMA SHOULDERS 6.5"
LOCATIONS:	STA. 85+00 TO 166+50	STA. 85+00 TO 166+50	STA. 85+00 TO 166+50	ENTIRE PROJECT
PG:	PG 62-22	PG 62-22	PG 62-22	PG 58-22
DESIGN AIR VOIDS:	4.0% @ N70	4.0% @ N70	4.0% @ N70	2.0% @ N30
MIXTURE COMPOSITION:	IL 9.5 OR 12.5	IL 9.5	IL 19.0	BAM
FRICITION AGGREGATE:	MIX D	N/A	N/A	N/A

MIXTURE USES:	HMA SURFACE	HMA LEVEL BINDER	PATCHING	INCIDENTAL HMA SURFACE
LOCATIONS:	STA. 166+50 TO 732+50.94	STA. 166+50 TO 732+50.94	STA. 166+50 TO 732+50.94	ENTIRE PROJECT
PG:	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N50	4.0% @ N50	4.0% @ N50	4.0% @ N50
MIXTURE COMPOSITION:	IL 9.5 OR 12.5	IL 9.5	IL 19.0	IL 9.5 OR 12.5
FRICITION AGGREGATE:	MIX C	N/A	N/A	MIX C

**COMMITMENTS**

THE RESIDENT ENGINEER SHALL CONTACT STUDIES & PLANS CONCERNING ANY MAJOR PLAN CHANGE, TO MAKE SURE NO PREVIOUS COMMITMENTS (NOT LISTED) WERE MADE AFFECTING THE DESIGN AND ALLOW AN IMPROVED DESIGN FOR FUTURE PROJECTS.

<b>DISTRICT SIX</b>	
EXAMINED <u>1/24</u> 20 <u>11</u>	<i>Chris Walden</i>
OPERATIONS ENGINEER	
EXAMINED <u>JANUARY 25</u> 20 <u>11</u>	<i>John F. ...</i>
PROJECT IMPLEMENTATION ENGINEER	
EXAMINED <u>JANUARY 19</u> 20 <u>11</u>	<i>John C. ...</i>
PROGRAM DEVELOPMENT ENGINEER	

SUMMARY OF QUANTITIES		UNIT	TOTAL QUANTITY	STP(L25) 0005 CONSTR. CODE	HSIP (LS3E) 0021 CONSTR. CODE
PAY CODE NUMBER	PAY ITEM DESCRIPTION			ROADWAY 80% FEDERAL 20% STATE	SAFETY SHOULDERS 90 % FEDERAL 10 % STATE
20200600	EXCAVATING AND GRADING EXISTING SHOULDERS	UNIT	970	686	284
28100825	STONE DUMPED RIPRAP, CLASS B3	TON	60	60	-
28200200	FILTER FABRIC	SQ YD	65	65	-
31100100	SUBBASE GRANULAR MATERIAL, TYPE A	TON	4	4	-
35400100	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 6"	SQ YD	4.2	4.2	-
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	108	108	-
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	192	192	-
40600300	AGGREGATE (PRIME COAT)	TON	999.3	999.3	-
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	7332	7332	-
40600635	LEVELING BINDER (MACHINE METHOD), N70	TON	987	987	-
40600895	CONSTRUCTING TEST STRIP	EACH	2	2	-
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1101	1101	-
40600985	PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT	SQ YD	122.2	122.2	-
40600990	TEMPORARY RAMP	SQ YD	38	38	-
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	19663	19246	417
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	2757	2114	643
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	120	120	-
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	122.5	122.5	-
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	15139	15139	-
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	624	624	-

SUMMARY OF QUANTITIES		UNIT	TOTAL QUANTITY	STP(L25) 0005 CONSTR. CODE	HSIP(LS3E) 0021 CONSTR. CODE
PAY CODE NUMBER	PAY ITEM DESCRIPTION			ROADWAY 80% FEDERAL 20% STATE	SAFETY SHOULDERS 90 % FEDERAL 10 % STATE
44004250	PAVED SHOULDER REMOVAL	SQ YD	15926	11196	4730
44200144	PAVEMENT PATCHING, TYPE II, 12 INCH	SQ YD	350	350	-
44200148	PAVEMENT PATCHING, TYPE III, 12 INCH	SQ YD	200	200	-
44200150	PAVEMENT PATCHING, TYPE IV, 12 INCH	SQ YD	200	200	-
48101200	AGGREGATE SHOULDERS, TYPE B	TON	3678	3678	-
48203023	HOT-MIX ASPHALT SHOULDERS, 6 1/2"	SQ YD	42967	30347	12620
60603300	GUTTER OUTLET	EACH	2	2	-
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	500	500	-
60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	101	101	-
* 63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	350	350	-
* 63000025	STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES	FOOT	175	175	-
* 63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	9	9	-
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	3	3	-
63200310	GUARDRAIL REMOVAL	FOOT	150	150	-
* 63300725	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	FOOT	225	225	-
64200105	SHOULDER RUMBLE STRIPS	FOOT	129167	129167	-
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12	-
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	-

**\*SPECIALTY ITEM**

FILE NAME = c:\pwwork\pwwork\laughlin\0216293\06	USER NAME = laughlin	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2065-shr-500.dgn	DRAWN -	REVISED -	SCALE: 1" = 50.0000' / 1"		658	01RS-1, (C.D.E)RS-3	MENARD	53	4				
PLOT DATE = Feb-08-2011 11:24:45AM	CHECKED -	REVISED -	DATE -		SCALE:	SHEET NO. 2 OF 3 SHEETS	STA.	TO STA.	CONTRACT NO. 72065				
									ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES		UNIT	TOTAL QUANTITY	STP(L25) 0005 CONSTR. CODE	HSIP(LS3E) 0021 CONSTR. CODE
PAY CODE NUMBER	PAY ITEM DESCRIPTION			ROADWAY 80% FEDERAL 20% STATE	SAFETY SHOULDERS 90 % FEDERAL 10 % STATE
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1	1	-
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1	-
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	25	25	-
70300100	SHORT TERM PAVEMENT MARKING	FOOT	23564	23564	-
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	141	141	-
70300230	TEMPORARY PAVEMENT MARKING - LINE 5"	FOOT	173670	173670	-
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	73292	73292	-
* 78001120	PAINT PAVEMENT MARKING - LINE 5"	FOOT	171410	171410	-
* 78004200	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LETTERS AND SYMBOLS	SQ FT	141	141	-
* 78004230	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 6"	FOOT	1080	1080	-
* 78004240	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 8"	FOOT	150	150	-
* 78004250	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 12"	FOOT	970	970	-
* 78004280	PREFORMED PLASTIC PAVEMENT MARKING, TYPE B - INLAID - LINE 24"	FOOT	60	60	-
* 78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	750	750	-
* 78200420	GUARDRAIL MARKERS, TYPE B	EACH	21	21	-
* 78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	3	3	-
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	750	750	-
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	215991	215991	-
X4402020	CONCRETE MEDIAN SURFACE REMOVAL	SQ FT	174	174	-
X6064201	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.06	FOOT	41	41	-

**\*SPECIALTY ITEM**

FILE NAME :	USER NAME :	DESIGNED :	REVISED :	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pwork\pvidot\laughlin\0216293\08	ZD65-shr-500.dgn	DRAWN :	REVISED :				658	IOIRS-1, (C,D,E)RS-3	MENARD	53	5	
	PLOT SCALE = 50.0000' / 1" .	CHECKED :	REVISED :		SCALE:		SHEET NO. 3 OF 3 SHEETS		STA.	TO STA.	CONTRACT NO. 72D65	
	PLOT DATE = Feb-08-2011 11:24:45AM	DATE :	REVISED :		ILLINOIS FED. AID PROJECT							

HMA PAVEMENT SCHEDULE													
SECTION		LENGTH	ROAD WIDTH	EXISTING SHOULDER WIDTH	PROP. HMA SHOULDER WIDTH	HMA SURFACE REMOVAL (VARIABLE DEPTH)	HMA SURFACE REMOVAL, 2 1/4"	BIT. MATL. PRIME COAT	AGG. PRIME COAT	LEVELING BINDER, N70	HMA SURFACE COURSE, N70	LEVELING BINDER, N50	HMA SURFACE COURSE, N50
"FROM" STATION	"TO" STATION	FOOT	FT	FT	FT	SQ YD	SQ YD	TON	TON	TON	TON	TON	TON
85+00.00	97+66.35	1266.35	22	1.5	4	3518		3.2	16.9	130.0	379.9		
97+66.35	99+16.59	150.23	36.5	1.5	4		659	0.6	3.0	25.6	66.9		
99+16.59	103+09.88	393.29	33	1.5	4		1573	1.4	7.2	60.6	161.2		
103+09.88	110+05.18	695.30	42	1.5	4		3477	2.9	15.5	136.3	347.7		
110+05.18	111+55.77	150.59	44	1.5	4		786	0.7	3.5	30.9	78.3		
111+55.77	118+20.70	664.93	35	1.5	4		2807	2.4	12.7	108.6	285.9		
118+20.70	119+64.84	144.15	36.5	1.5	4		633	0.5	2.9	24.6	64.1		
119+64.84	138+81.73	1916.89	22	1.5	4	5325		4.9	25.6	196.8	575.1		
138+81.73 BK	139+88.70 AH												
139+88.70	166+50.00	2661.30	22	1.5	4	7393		6.7	35.5	273.2	798.4		
166+50.00	247+94.85	8144.85	22	1.5	4	22625		20.6	108.6			836.2	2280.6
139+88.70	247+94.85	10806.15	22	1.5	4	30017		27.4	144.1			1109.4	3025.7
247+94.85	270+19.96	2225.11	22	1.5	4	6181		5.6	29.7			228.4	623.0
270+19.96 BK	270+60.46 AH												
270+60.46	272+30.00	169.54	22	1.5	4	471		0.4	2.3			17.4	47.5
272+30.00	290+96.00	1866.00	22	1.5	4	5183		4.7	24.9			191.6	522.5
290+96.00	297+39.78	643.78	22	1.5	4	1788		1.6	8.6			66.1	180.3
297+39.78	299+81.78	242.00	22	1.5	4	672		0.6	3.2			24.8	67.8
299+81.78	319+02.63	1920.85	22	1.5	4	5336		4.9	25.6			197.2	537.8
319+02.63	336+89.13	1786.50	56	1.5	4	11712		9.7	50.8			466.9	1067.1
336+89.13	342+06.00	516.87	22	1.5	4	1436		1.3	6.9			53.1	144.7
342+06.00	352+86.00	1080.00	37	1.5	4	4800		4.1	21.6			186.5	453.6
352+86.00	411+39.77	5853.77	22	1.5	4	16260		14.8	78.1			601.0	1639.1
411+39.77	436+24.77	2485.00	22	1.5	4	6903		6.3	33.1			255.1	695.8
436+24.77	455+62.05	1937.28	22	1.5	4	5381		4.9	25.8			198.9	542.4
455+62.05 BK	455+82.01 AH												
455+82.01	535+25.94	7943.93	22	1.5	4	22066		20.1	105.9			815.6	2224.3
535+25.94	536+05.94	80.00	22	1.5	4	222		0.2	1.1			8.2	22.4
536+05.94	538+90.94	285.00	22	1.5	4	792		0.7	3.8			29.3	79.8
538+90.94	539+30.94	40.00	22	1.5	4	111		0.1	0.5			4.1	11.2
539+30.94	545+40.94	610.00	22	1.5	4	1694		1.5	8.1			62.6	170.8
545+40.94	545+90.94	50.00	22	1.5	4	139		0.1	0.7			5.1	14.0
545+90.94	557+90.94	1200.00	22	1.5	4	3333		3.0	16.0			123.2	336.0
557+90.94	564+44.94	654.00	22	1.5	4	1817		1.7	8.7			67.1	183.1
564+44.94	580+05.94	1561.00	24	6			5203	3.2	16.7			218.5	524.5
580+05.94	602+10.94	2205.00	22	4		7350		4.1	21.6			226.4	617.4
602+10.94	665+40.93	6329.99	22	4		21100		11.8	61.9			649.9	1772.4
665+40.93	690+40.93	2500.00	22	4		8333		4.6	24.4			256.7	700.0
690+40.93	698+40.93	800.00	22	4		2667		1.5	7.8			82.1	224.0
698+40.93	732+50.94	3410.01	22	4		11367		6.3	33.3			350.1	954.8
TOTALS =						215991	15139	189	996	987	2757	7332	19663

ISLAND SCHEDULE								
LOCATION			COMBINATION CONCRETE CURB AND GUTTER, TYPE M 4.06	CONCRETE MEDIAN SURFACE	CONCRETE MEDIAN SURFACE REMOVAL	COMBINATION CONCRETE CURB AND GUTTER REMOVAL	SUBBASE GRANULAR MATERIAL, TYPE A	PCC BASE COURSE WIDENING, 6"
STATION	TO	STATION	FOOT	SQ FT	SQ FT	FOOT	TON	SQ FT
330+00.57	-	330+12.56	41	101	174	61	4	38

BUTT JOINT AND TEMPORARY RAMP SCHEDULE			
LOCATION	LENGTH	BUTT JOINT	TEMPORARY RAMP
STATION	FOOT	SQ YD	SQ YD
IL 29			
85+00.00	30	83.3	19
732+50.94	30	83.3	19

SHOULDER SCHEDULE									
SECTION		LENGTH	EXISTING SHOULDER WIDTH	PROPOSED SHOULDER WIDTH	PAVED HMA SHOULDER REMOVAL	HMA SHOULDER, 6 1/2"	SHOULDER RUMBLE STRIP	AGGREGATE SHOULDERS	EXCAVATING AND GRADING EXISTING SHOULDERS
"FROM" STATION	"TO" STATION	FT	FT	FT	SO YD	SO YD	FT	TON	UNIT
85+00.00	110+32.18	2532.18	1.5	4	844	2251	5064	144.2	50.7
110+32.18	138+81.73	2849.55	1.5	4	950	2533	5699	162.3	57
138+81.73 BK	139+88.70 AH								
139+88.70	142+15.60	226.90	1.5	4	76	202	454	12.9	4.6
142+15.60	166+01.89	2386.29	1.5	4	795	2121	4773	135.9	47.8
166+01.89	219+86.40	5384.51	1.5	4	1795	4786	10769	306.6	107.7
219+86.40	270+19.96	5033.56	1.5	4	1678	4474	10067	286.6	100.7
270+19.96 BK	270+60.46 AH								
270+60.46	276+34.35	573.89	1.5	4	191	510	1148	32.7	11.5
276+34.35	330+38.03	5403.68	1.5	4	1801	4803	10807	307.7	108.1
330+38.03	384+61.69	5423.66	1.5	4	1808	4821	10847	308.8	108.5
384+61.69	438+98.33	5436.64	1.5	4	1812	4833	10873	309.6	108.8
438+98.33	455+62.05	1663.72	1.5	4	555	1479	3327	94.7	33.3
455+62.05 BK	455+82.01 AH								
455+82.01	524+04.46	6822.45	1.5	4	2274	6064	13645	388.5	136.5
524+04.46	564+44.94	4040.48	1.5	4	1347	3592	8081	230.1	80.9
564+44.94	580+05.94	1561.00	6				3122	88.9	
580+05.94	582+60.50	254.56	4				509	14.5	
582+60.50	585+73.00	312.50	4	7		224	625	17.8	6.3
585+73.00	656+79.66	7106.66	4				14213	404.7	
656+79.66	675+97.50	1917.84	4				3836	109.2	
675+97.50	677+52.00	154.50	4	7		121	309	8.8	3.1
677+52.00	709+42.50	3190.50	4				6381	181.7	
709+42.50	711+78.00	235.50	4	7		153	471	13.4	4.8
711+78.00	732+50.94	2072.94	4				4146	118.0	
TOTALS =					15926	42967	129167	3678	970

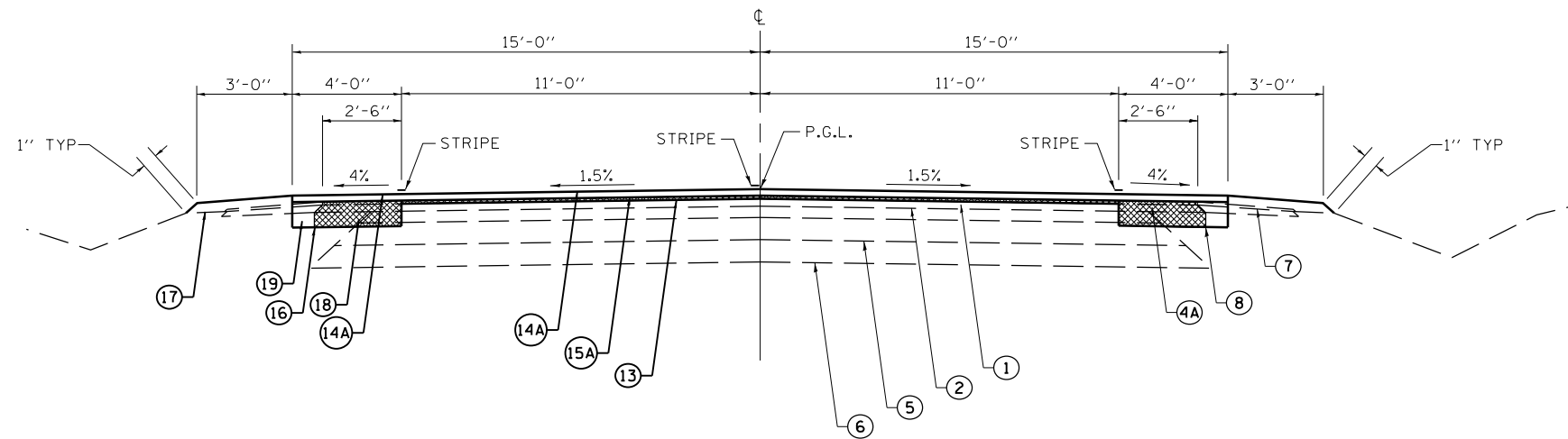
GUARDRAIL SCHEDULE										
LOCATION		OFFSET	STEEL PLATE BEAM GUARDRAIL, TYPE A	STEEL PLATE BEAM GUARDRAIL (SHORT RADIUS)	STEEL PLATE BEAM GUARDRAIL, ATTACHED TO STRUCTURES	TRAFFIC BARRIER TERMINAL TYPE 1 (SPECIAL)	TRAFFIC BARRIER TERMINAL TYPE 2	TERMINAL MARKER - DIRECT APPLIED	GUARDRAIL REMOVAL	GUARDRAIL MARKERS, TYPE A
STATION	TO	STATION	FOOT	FOOT		EACH	EACH	EACH	FOOT	EACH
582+85.50	-	583+35.50	18.0 RT			1		1		
583+35.50	-	585+23.00	18.0 RT	150	37.5				37.5	6
585+23.00	-	585+73.00	18.0 RT			1		1		
583+35.00	-	583+85.00	18.0 LT			1		1		
583+85.00	-	585+10.00	18.0 LT	87.5	37.5				37.5	5
585+10.00	-	585+26.00	18.0 LT TO 33.9 LT		25					
585+26.00	-	585+26.00	33.9 LT TO 46.4 LT				1			
676+22.75	-	676+28.68	40.5 RT TO 29.5 RT				1			
676+28.68	-	676+49.72	29.5 RT TO 18.0 RT		25					
676+49.72	-	676+74.72	18.0 RT		25					2
676+74.72	-	676+90.36	18.0 RT TO 33.9 RT		25					
676+90.36	-	676+90.36	33.9 RT TO 46.4 RT				1			
676+80.81	-	676+72.16	45.9 LT TO 36.9 LT				1			
676+72.16	-	676+80.22	36.9 LT TO 18.0 LT		25					
676+80.22	-	677+05.22	18.0 LT		25					2
677+05.22	-	677+27.50	18.0 LT TO 27.7 LT		25					
677+27.50	-	677+35.09	27.7 LT TO 37.6 LT				1			
709+81.07	-	709+88.32	39.7 RT TO 29.5 RT				1			
709+88.32	-	710+09.36	29.5 RT TO 18.0 RT		25					
710+09.36	-	711+34.36	18.0 RT	100	25				37.5	4
711+34.36	-	711+50.36	18.0 RT TO 33.9 RT		25					
711+50.36	-	711+50.95	33.9 RT TO 46.4 RT				1			
710+69.62	-	710+70.24	46.4 LT TO 33.9 LT				1			
710+70.24	-	710+86.24	33.9 LT TO 18.0 LT		25					
710+86.24	-	711+23.74	18.0 LT	12.5	25				37.5	2
711+23.74	-	711+39.74	18.0 LT TO 33.9 LT		25					
711+39.74	-	711+39.74	33.9 LT TO 46.4 LT				1			
TOTAL =			350	225	175	3	9	3	150	21

PAVEMENT MARKING SCHEDULE														
			PAINT PAVEMENT MARKING			PREFORMED PLASTIC PAVEMENT MARKING - INLAID, TYPE B						RAISED REFLECTIVE PAVEMENT MARKERS		
SECTION		LENGTH	SOLID WHITE EDGE LINE 5"	YELLOW SKIP-DASH 5"	SOLID YELLOW LINE 5"	SOLID WHITE LINE 6"	WHITE 2 FT SKIP-DASH 6"	SOLID YELLOW LINE 8"	SOLID YELLOW LINE 12"	SOLID WHITE LINE 12"	SOLID WHITE 24"	LETTERS AND SYMBOLS	RAISED REFLECTIVE PAVEMENT MARKERS	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL
"FROM" STATION	"TO" STATION	FT	FT	FT	FT	FT	FT	FT	FT	FT	FT	SQ FT	EACH	EACH
84+70.00	97+62.90	1292.9	2585.8	323.2	1292.9								16	16
97+62.90	119+77.20	2214.3	4740.7		4711.8	403.1	74.1				20.9	62.4		
119+77.20	130+96.00	1118.8	2237.6	279.7	1118.8								14	14
130+96.00	138+81.73	785.7	1571.5	196.4									10	10
138+81.73 BK	139+88.70 AH													
139+88.70	249+05.00	10916.3	21832.6	2729.1									136	136
249+05.00	258+00.00	895.0	1790.0	223.8	895.0								11	11
258+00.00	261+00.00	300.0	600.0		600.0								4	4
261+00.00	270+00.00	900.0	1800.0	225.0	900.0								11	11
270+00.00	270+19.96	20.0	39.9		39.9								0	0
270+19.96 BK	270+60.46 AH													
270+60.46	286+50.00	1589.5	3179.1		3179.1								20	20
286+50.00	318+00.00	3150.0	6300.0	787.5									39	39
318+00.00	319+00.00	100.0	200.0		200.0								1	1
319+00.00	337+00.00	1800.0	3657.5		7081.2	230.0	65.5	142.9	646.7	61.6	34.6	46.8		
337+00.00	342+00.00	500.0	1000.0		1000.0								6	6
342+00.00	349+13.70	713.7	1427.4		2212.0	260.0	43.8		140.0			31.2		
349+13.70	352+65.00	351.3	702.6		1288.0				117.0					
352+65.00	361+80.00	915.0	1830.0	228.8	915.0								11	11
361+80.00	455+62.05	9382.1	18764.1	2345.5									117	117
455+62.05 BK	455+82.01 AH													
455+82.01	501+39.00	4557.0	9114.0	1139.2									57	57
501+39.00	512+60.00	1121.0	2242.0		1121.0								14	14
512+60.00	513+80.00	120.0	240.0		240.0								2	2
513+80.00	524+45.00	1065.0	2130.0	266.3	1065.0								13	13
524+45.00	732+50.94	20805.9	41611.9	5201.5									260	260
			129596.6	13945.9	27859.7	893.1	183.4	142.9	903.7	61.6	55.5	140.4	744	744
				171,410		1,080		150	970		60	141	750	750

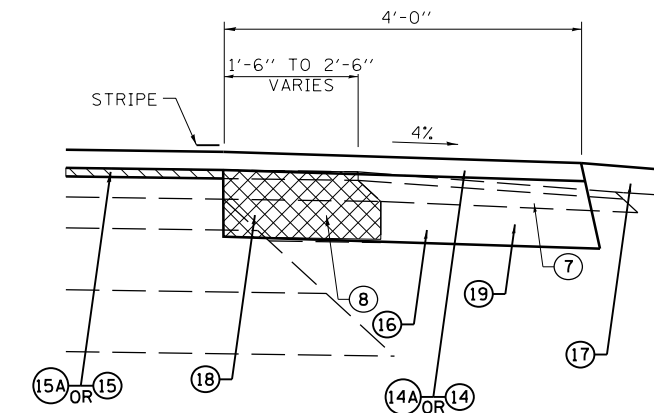
GUTTER OUTLET SCHEDULE				
LOCATION			COMBINATION CONCRETE CURB AND GUTTER REMOVAL	GUTTER OUTLET
STATION	TO	STATION	FOOT	EACH
109+85.40	-	110+07.40	22	1
111+40.90	-	111+79.60	41	1

ESTIMATED QUANTITIES SCHEDULE									
LOCATION			COMBINATION CONCRETE CURB AND GUTTER REMOVAL	COMBINATION CONCRETE CURB AND GUTTER, TYPE B 6.24	STONE DUMPED RIPRAP, CLASS B3	FILTER FABRIC	PAVEMENT PATCHING, TYPE II	PAVEMENT PATCHING, TYPE III	PAVEMENT PATCHING, TYPE IV
STATION	TO	STATION	FOOT	FOOT	TON	SQ YD	SQ YD	SQ YD	SQ YD
565+00.00	-	580+00.00	500	500					
584+00.00	-	585+00.00			23.9	27			
676+00.00	-	678+00.00			33.3	38			
85+00.00	-	166+50.00					100		
166+50.00	-	732+50.94					150	200	200

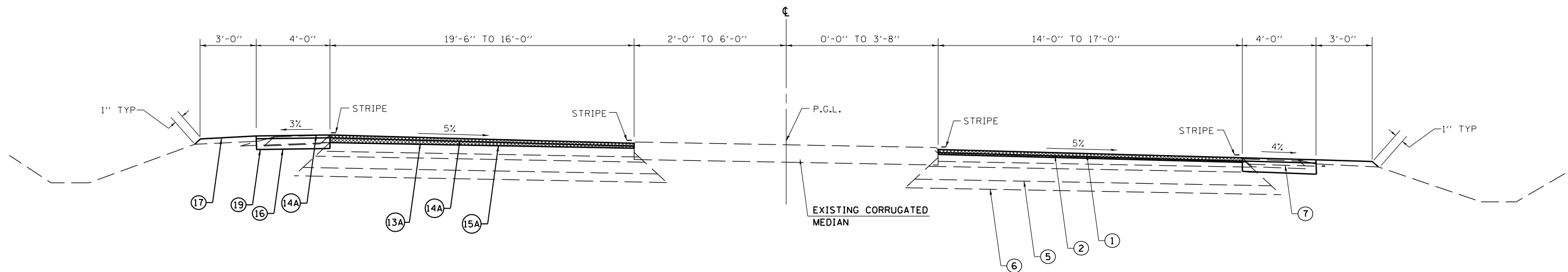




**TYPICAL CROSS SECTION - IL. RTE. 29**  
STA. 85+00.00 TO STA. 97+66.35



**TYPICAL SHOULDER DETAIL**

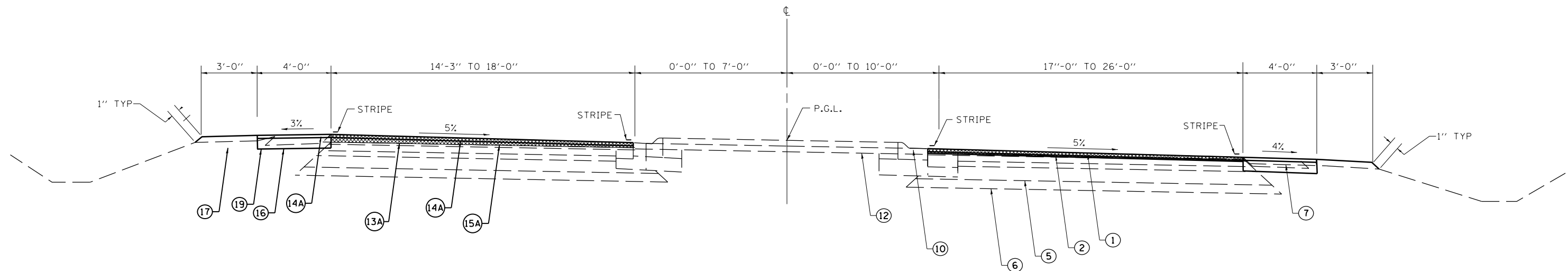


**TYPICAL CROSS SECTION - IL. RTE. 29**  
STA. 97+66.35 TO STA. 99+16.58  
STA. 118+20.69 TO STA. 119+64.84

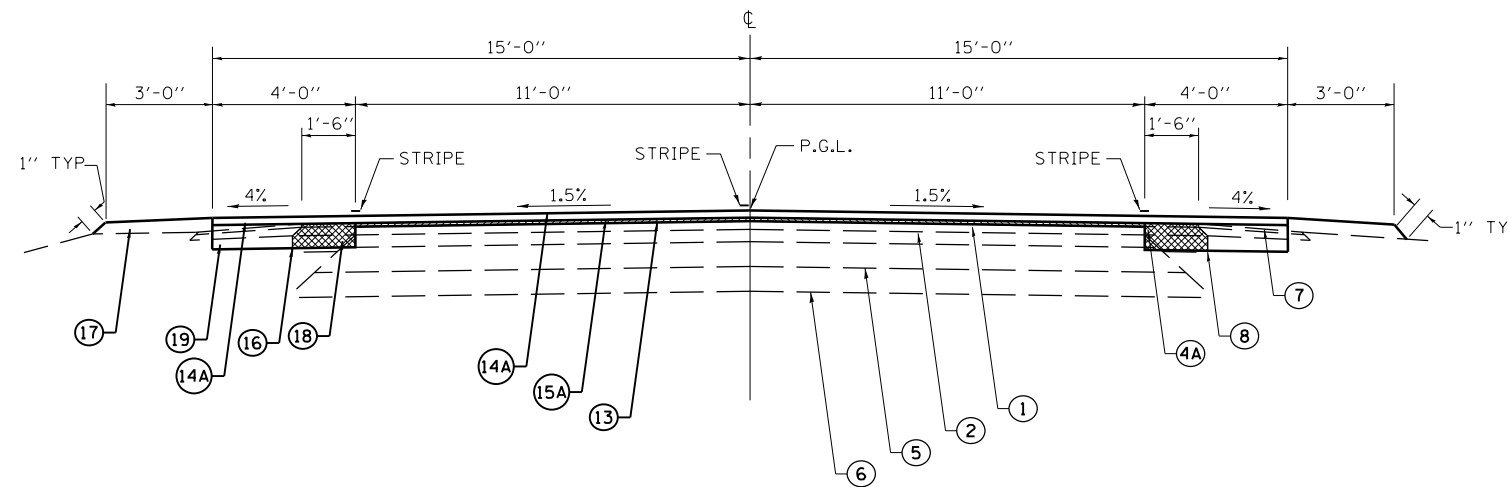
**LEGEND**

- |   |  |
|---|--|
| ① EXISTING HMA SURFACE COURSE (VARIABLE DEPTH)                | ⑬A PROPOSED HMA SURFACE REMOVAL, 2.25"                         |
| ② EXISTING HMA BINDER COURSE (VARIABLE DEPTH)                 | ⑭ PROPOSED HMA SURFACE COURSE, MIX. C N50 1.5"                 |
| ③ EXISTING P.C.C. PAVEMENT 9'-6"-9"                           | ⑭A PROPOSED HMA SURFACE COURSE, MIX. D N70 1.5"                |
| ④ EXISTING HMA BASE COURSE WIDENING (VARIABLE DEPTH)          | ⑮ PROPOSED LEVELING BINDER (MACHINE METHOD), IL-9.5 N50 0.75"  |
| ④A EXISTING REFLECTIVE CRACK CONTROL TREATMENT                | ⑮A PROPOSED LEVELING BINDER (MACHINE METHOD), IL-9.5 N70 0.75" |
| ⑤ EXISTING GRANULAR OR BASE COURSE, TYPE A 9"                 | ⑯ PROPOSED HMA SHOULDERS, 6.5"                                 |
| ⑥ EXISTING SUBBASE GRANULAR MATERIAL, TYPE A (VARIABLE DEPTH) | ⑰ PROPOSED AGGREGATE SHOULDER, TYPE B                          |
| ⑦ EXISTING AGGREGATE SHOULDER                                 | ⑱ PROPOSED PAVED SHOULDER REMOVAL                              |
| ⑧ EXISTING BITUMINOUS SHOULDER                                | ⑲ PROPOSED EXCAVATING AND GRADING SHOULDER                     |
| ⑨ EXISTING CONCRETE GUTTER, TYPE A OR TYPE B                  |  |
| ⑩ EXISTING CONCRETE CURB & GUTTER, TYPE 5                     |  |
| ⑪ EXISTING CONCRETE CURB & GUTTER, TYPE 7                     |  |
| ⑫ EXISTING CONCRETE MEDIAN                                    |  |
| ⑬ PROPOSED HMA SURFACE REMOVAL (VARIABLE DEPTH)               |  |

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS ILLINOIS 29</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
et:\pw\work\p\dot\laughlinr1\0216293\0672065-shr-typical.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	658	(O)RS-1, (C,D,E)RS-3	MENARD	53	9
PLOT SCALE = 40.0000' / in.		CHECKED -	REVISED -												
PLOT DATE = Feb-08-2011 11:29:05AM		DATE -	REVISED -												
											ILLINOIS FED. AID PROJECT			CONTRACT NO. 72D65	



**TYPICAL CROSS SECTION - IL. RTE. 29**  
STA. 99+16.58 TO STA. 118+20.70

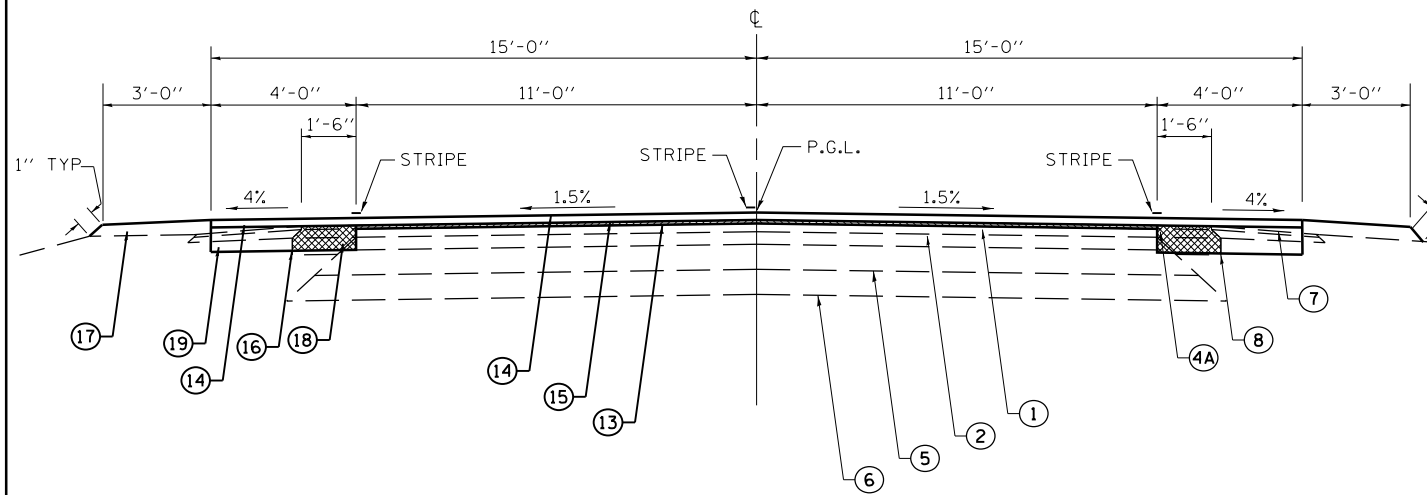


**TYPICAL CROSS SECTION - IL. RTE. 29**  
STA. 119+64.84 TO STA. 166+50.00

**LEGEND**

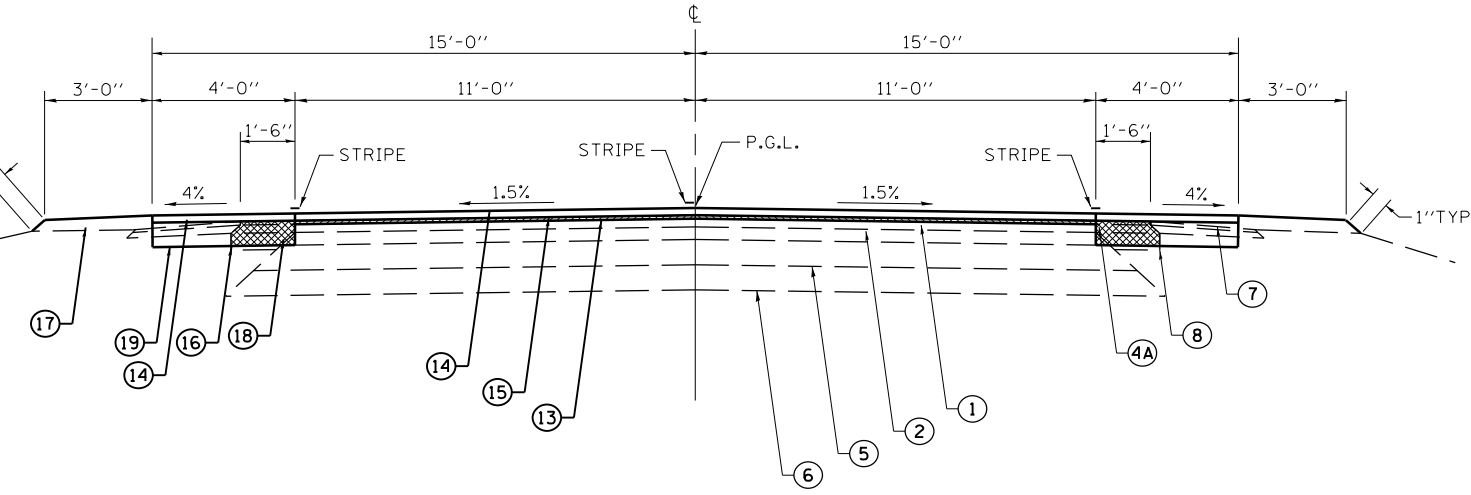
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|--|--|
| <ul style="list-style-type: none"> <li>① EXISTING HMA SURFACE COURSE (VARIABLE DEPTH)</li> <li>② EXISTING HMA BINDER COURSE (VARIABLE DEPTH)</li> <li>③ EXISTING P.C.C. PAVEMENT 9'-6"-9"</li> <li>④ EXISTING HMA BASE COURSE WIDENING (VARIABLE DEPTH)</li> <li>④A EXISTING REFLECTIVE CRACK CONTROL TREATMENT</li> <li>⑤ EXISTING GRANULAR OR BASE COURSE, TYPE A 9"</li> <li>⑥ EXISTING SUBBASE GRANULAR MATERIAL, TYPE A (VARIABLE DEPTH)</li> <li>⑦ EXISTING AGGREGATE SHOULDER</li> <li>⑧ EXISTING BITUMINOUS SHOULDER</li> <li>⑨ EXISTING CONCRETE GUTTER, TYPE A OR TYPE B</li> <li>⑩ EXISTING CONCRETE CURB &amp; GUTTER, TYPE 5</li> <li>⑪ EXISTING CONCRETE CURB &amp; GUTTER, TYPE 7</li> <li>⑫ EXISTING CONCRETE MEDIAN</li> <li>⑬ PROPOSED HMA SURFACE REMOVAL (VARIABLE DEPTH)</li> </ul> | <ul style="list-style-type: none"> <li>⑬A PROPOSED HMA SURFACE REMOVAL, 2.25"</li> <li>⑭ PROPOSED HMA SURFACE COURSE, MIX. C N50 1.5"</li> <li>⑭A PROPOSED HMA SURFACE COURSE, MIX. D N70 1.5"</li> <li>⑮ PROPOSED LEVELING BINDER (MACHINE METHOD), IL-9.5 N50 0.75"</li> <li>⑮A PROPOSED LEVELING BINDER (MACHINE METHOD), IL-9.5 N70 0.75"</li> <li>⑯ PROPOSED HMA SHOULDERS, 6.5"</li> <li>⑰ PROPOSED AGGREGATE SHOULDER, TYPE B</li> <li>⑱ PROPOSED PAVED SHOULDER REMOVAL</li> <li>⑲ PROPOSED EXCAVATING AND GRADING SHOULDER</li> </ul> |
|--|--|

FILE NAME =	USER NAME = laughlinc1	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS ILLINOIS 29</b>				F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
et:\pwork\pwork\laughlinc1\0216293\067	2065-sh-typical.dgn	DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	658	00RS-1, (C,D,E)RS-3	MENARD	53	10
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -						CONTRACT NO. 72D65						
	PLOT DATE = Feb-08-2011 11:29:05AM	DATE -	REVISED -						ILLINOIS FED. AID PROJECT						



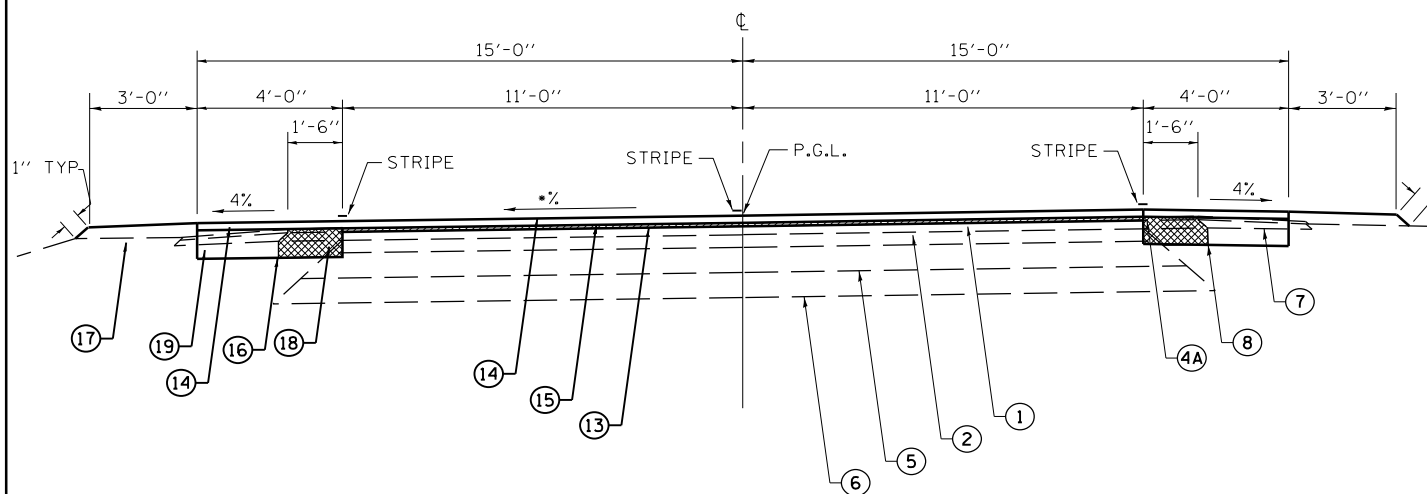
**TYPICAL CROSS SECTION - IL. RTE. 29**

STA. 166+50.00 TO STA. 247+94.85



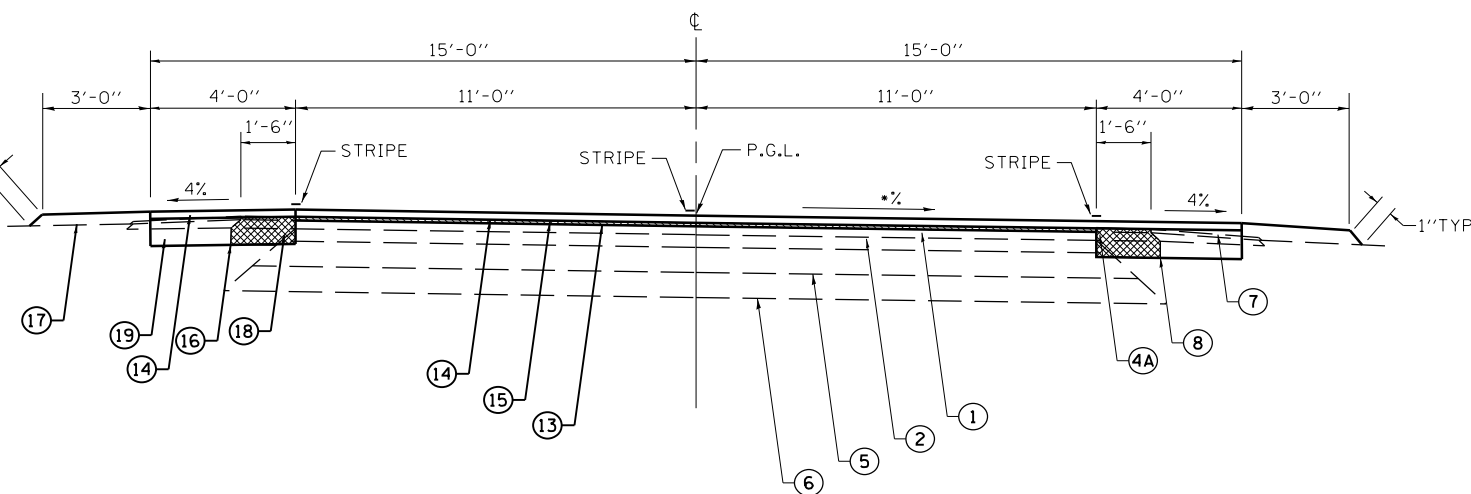
**TYPICAL CROSS SECTION - IL. RTE. 29**

STA. 290+96.00 TO STA. 297+39.78  
STA. 299+81.78 TO STA. 319+02.63



**TYPICAL CROSS SECTION - IL. RTE. 29**

STA. 247+94.85 TO STA. 272+30.00



**TYPICAL CROSS SECTION - IL. RTE. 29**

STA. 272+30.00 TO STA. 290+96.00

\*NOTE: SEE SUPERELEVATION TRANSITION DETAIL SHEET 51 OF 53 FOR CURVE DATA.

**LEGEND**

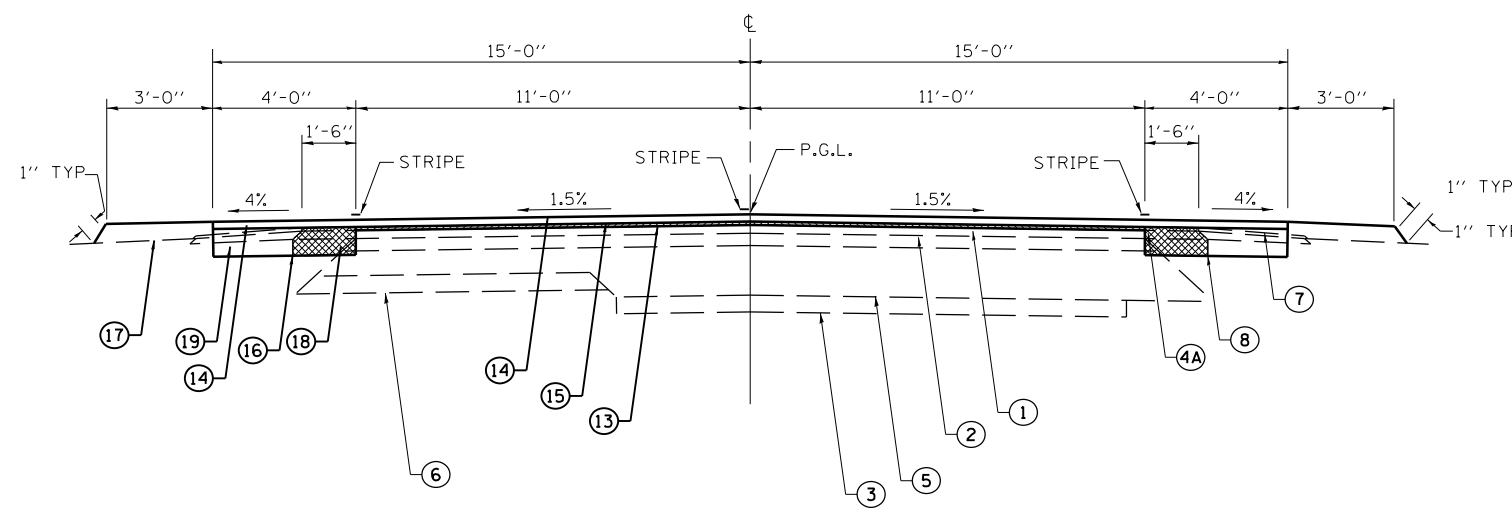
- |   |  |
|---|--|
| ① EXISTING HMA SURFACE COURSE (VARIABLE DEPTH)                | ⑬A PROPOSED HMA SURFACE REMOVAL, 2.25"                         |
| ② EXISTING HMA BINDER COURSE (VARIABLE DEPTH)                 | ⑭ PROPOSED HMA SURFACE COURSE, MIX. C N50 1.5"                 |
| ③ EXISTING P.C.C. PAVEMENT 9'-6"-9"                           | ⑭A PROPOSED HMA SURFACE COURSE, MIX. D N70 1.5"                |
| ④ EXISTING HMA BASE COURSE WIDENING (VARIABLE DEPTH)          | ⑮ PROPOSED LEVELING BINDER (MACHINE METHOD), IL-9.5 N50 0.75"  |
| ④A EXISTING REFLECTIVE CRACK CONTROL TREATMENT                | ⑮A PROPOSED LEVELING BINDER (MACHINE METHOD), IL-9.5 N70 0.75" |
| ⑤ EXISTING GRANULAR OR BASE COURSE, TYPE A 9"                 | ⑯ PROPOSED HMA SHOULDERS, 6.5"                                 |
| ⑥ EXISTING SUBBASE GRANULAR MATERIAL, TYPE A (VARIABLE DEPTH) | ⑰ PROPOSED AGGREGATE SHOULDER, TYPE B                          |
| ⑦ EXISTING AGGREGATE SHOULDER                                 | ⑱ PROPOSED PAVED SHOULDER REMOVAL                              |
| ⑧ EXISTING BITUMINOUS SHOULDER                                | ⑲ PROPOSED EXCAVATING AND GRADING SHOULDER                     |
| ⑨ EXISTING CONCRETE GUTTER, TYPE A OR TYPE B                  |  |
| ⑩ EXISTING CONCRETE CURB & GUTTER, TYPE 5                     |  |
| ⑪ EXISTING CONCRETE CURB & GUTTER, TYPE 7                     |  |
| ⑫ EXISTING CONCRETE MEDIAN                                    |  |
| ⑬ PROPOSED HMA SURFACE REMOVAL (VARIABLE DEPTH)               |  |

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
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	PLOT SCALE = 39.4118' / 1"	CHECKED -	REVISED -
	PLOT DATE = Feb-08-2011 11:29:05AM	DATE -	REVISED -

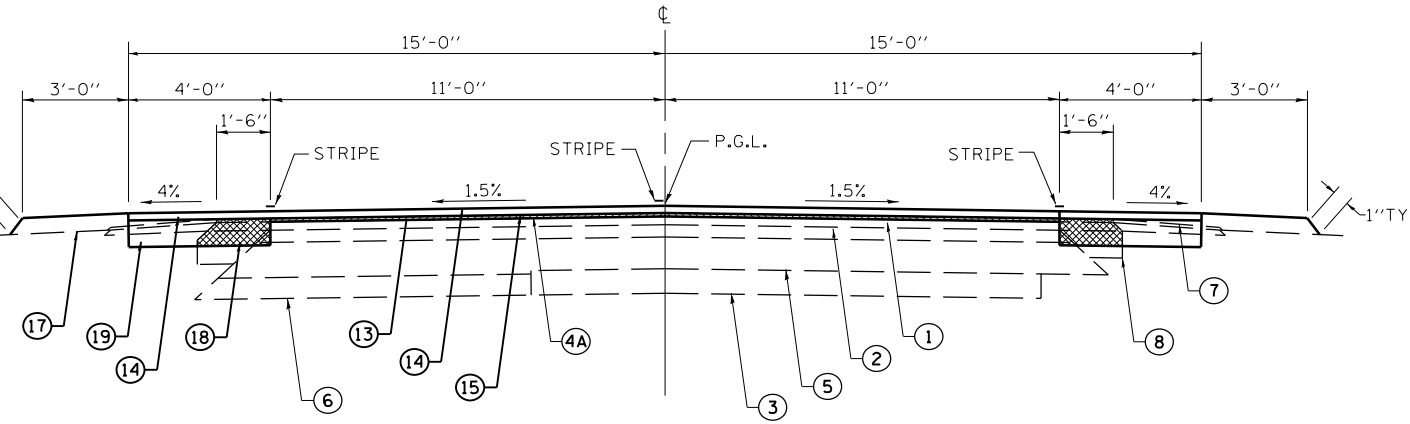
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>TYPICAL SECTIONS ILLINOIS 29</b>			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

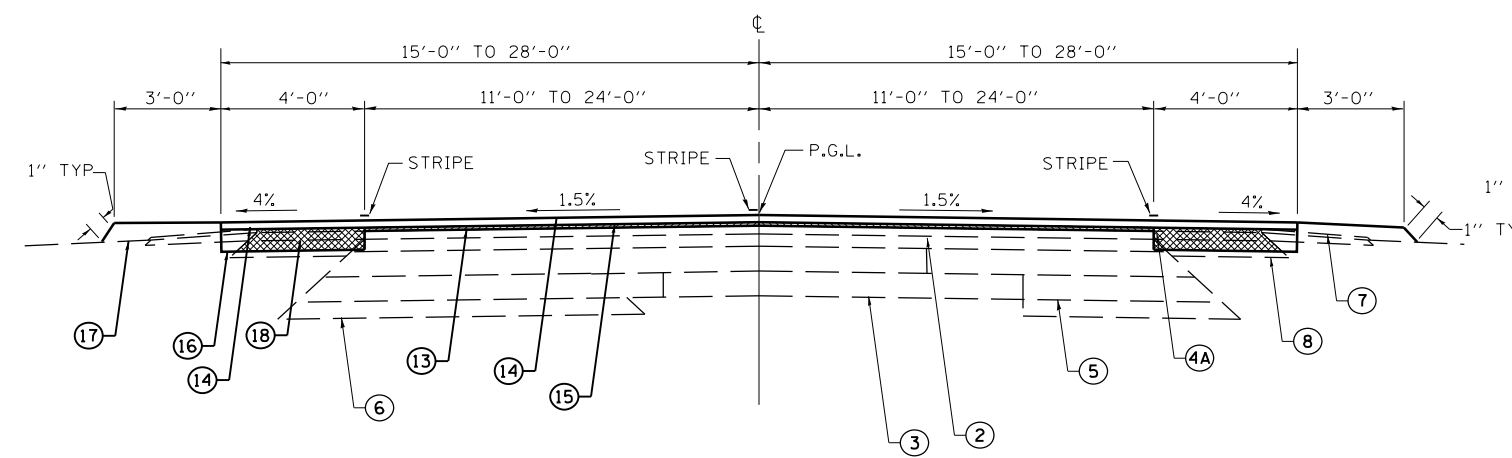
F.A.P. RTE. 658	SECTION (OIRS-1, (C,D,E)RS-3	COUNTY MENARD	TOTAL SHEETS 53	SHEET NO. 11
CONTRACT NO. 72D65				
ILLINOIS FED. AID PROJECT				



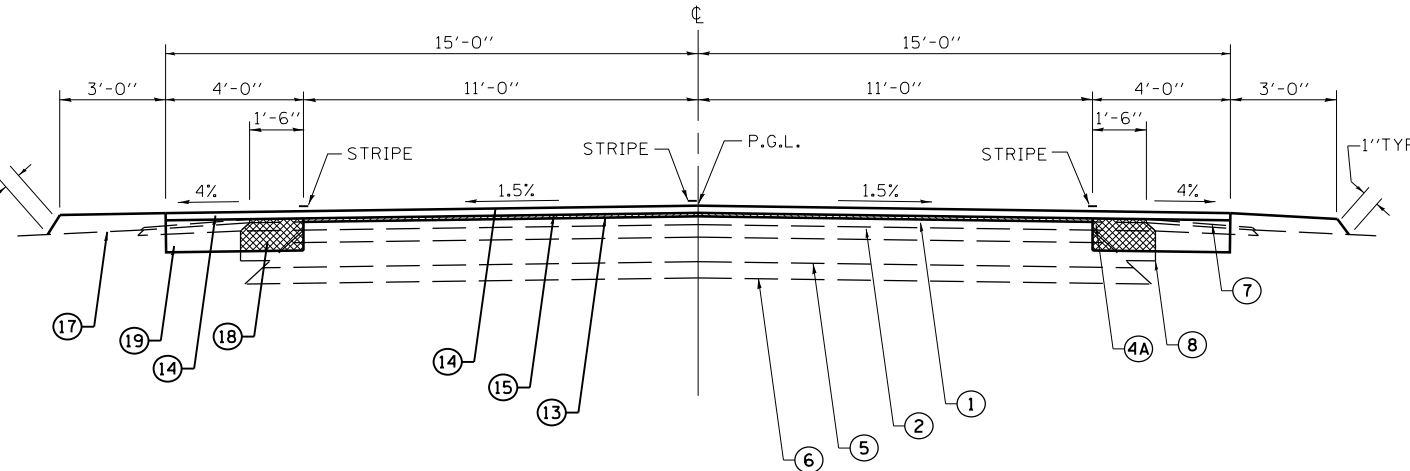
**TYPICAL CROSS SECTION - IL. RTE. 29**  
 STA. 297+39.781 TO STA. 299+81.781



**TYPICAL CROSS SECTION - IL. RTE. 29**  
 STA. 336+89.130 TO STA. 342+06.000  
 STA. 411+39.770 TO STA. 436+24.769



**TYPICAL CROSS SECTION - IL. RTE. 29**  
 STA. 319+02.630 TO STA. 336+89.130

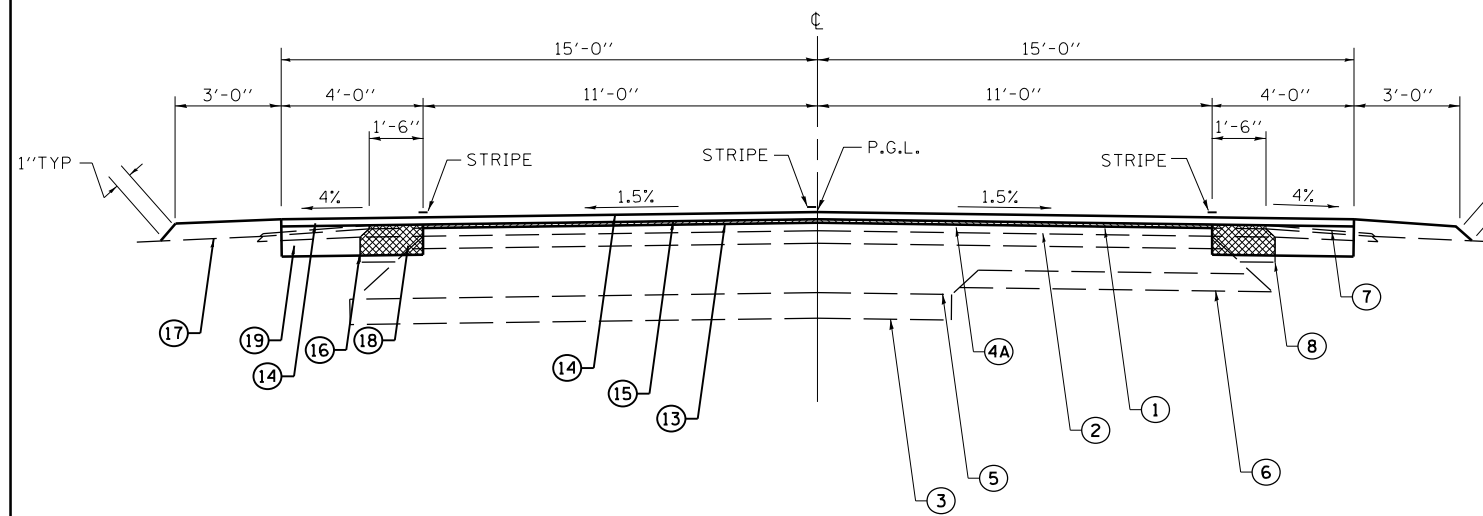


**TYPICAL CROSS SECTION - IL. RTE. 29**  
 STA. 352+86.000 TO STA. 411+39.770  
 STA. 436+24.769 TO STA. 535+25.941  
 STA. 536+05.941 TO STA. 538+90.940  
 STA. 539+30.940 TO STA. 545+40.938  
 STA. 545+90.938 TO STA. 557+90.938

**LEGEND**

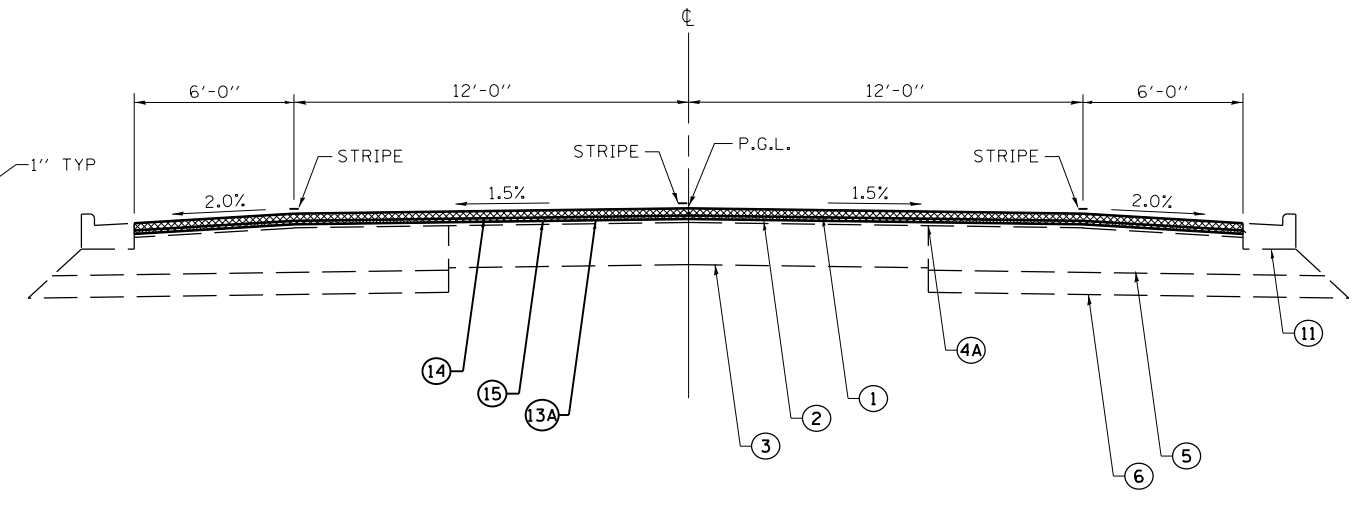
- |   |  |
|---|--|
| ① EXISTING HMA SURFACE COURSE (VARIABLE DEPTH)                | ⑬ PROPOSED HMA SURFACE REMOVAL (VARIABLE DEPTH)                |
| ② EXISTING HMA BINDER COURSE (VARIABLE DEPTH)                 | ⑭ PROPOSED HMA SURFACE COURSE, MIX. C N50 1.5"                 |
| ③ EXISTING P.C.C. PAVEMENT 9'-6"-9"                           | ⑭A PROPOSED HMA SURFACE COURSE, MIX. D N70 1.5"                |
| ④ EXISTING HMA BASE COURSE WIDENING (VARIABLE DEPTH)          | ⑮ PROPOSED LEVELING BINDER (MACHINE METHOD), IL-9.5 N50 0.75"  |
| ④A EXISTING REFLECTIVE CRACK CONTROL TREATMENT                | ⑮A PROPOSED LEVELING BINDER (MACHINE METHOD), IL-9.5 N70 0.75" |
| ⑤ EXISTING GRANULAR OR BASE COURSE, TYPE A 9"                 | ⑯ PROPOSED HMA SHOULDERS, 6.5"                                 |
| ⑥ EXISTING SUBBASE GRANULAR MATERIAL, TYPE A (VARIABLE DEPTH) | ⑰ PROPOSED AGGREGATE SHOULDER, TYPE B                          |
| ⑦ EXISTING AGGREGATE SHOULDER                                 | ⑱ PROPOSED PAVED SHOULDER REMOVAL                              |
| ⑧ EXISTING BITUMINOUS SHOULDER                                | ⑲ PROPOSED EXCAVATING AND GRADING SHOULDER                     |
| ⑨ EXISTING CONCRETE GUTTER, TYPE A OR TYPE B                  |  |
| ⑩ EXISTING CONCRETE CURB & GUTTER, TYPE 5                     |  |
| ⑪ EXISTING CONCRETE CURB & GUTTER, TYPE 7                     |  |
| ⑫ EXISTING CONCRETE MEDIAN                                    |  |

FILE NAME =	USER NAME = laughlin1	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS ILLINOIS 29</b>				F.A.P. RTE. 658	SECTION (OIRS-1, (C,D,E)RS-3	COUNTY MENARD	TOTAL SHEETS 53	SHEET NO. 12
et:\pwork\pwork\laughlin1\0216293\0672065-shr-typical.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 72D65		
		CHECKED -	REVISED -		ILLINOIS FED. AID PROJECT								
		DATE -	REVISED -										



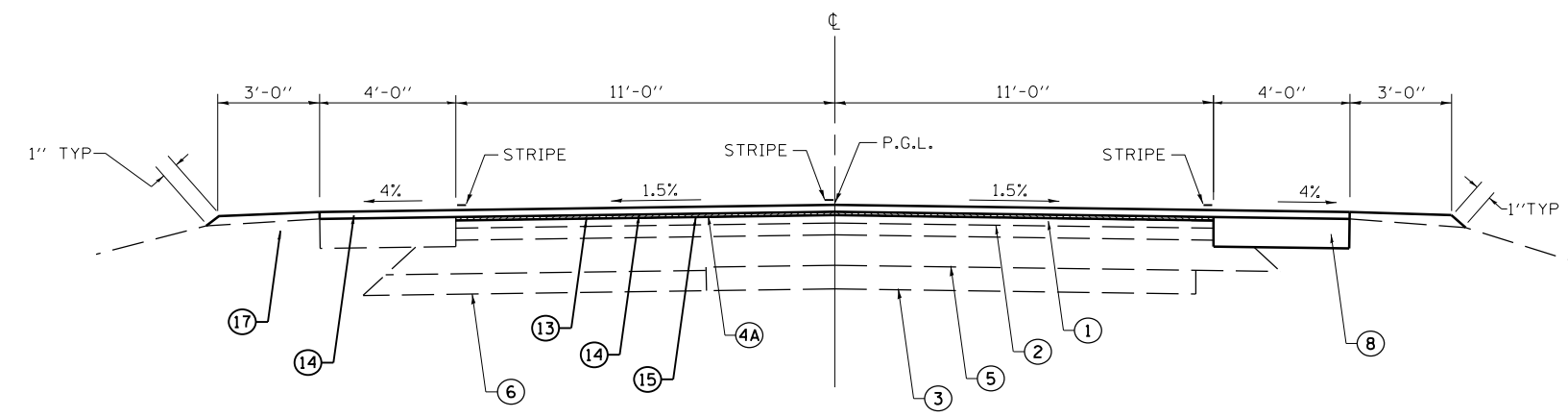
**TYPICAL CROSS SECTION - IL. RTE. 29**

STA. 535+25.94 TO STA. 536+05.94  
 STA. 538+90.94 TO STA. 539+30.94  
 STA. 545+40.93 TO STA. 545+90.93  
 STA. 557+90.93 TO STA. 564+44.93



**TYPICAL CROSS SECTION - IL. RTE. 29**

STA. 564+44.93 TO STA. 580+05.93



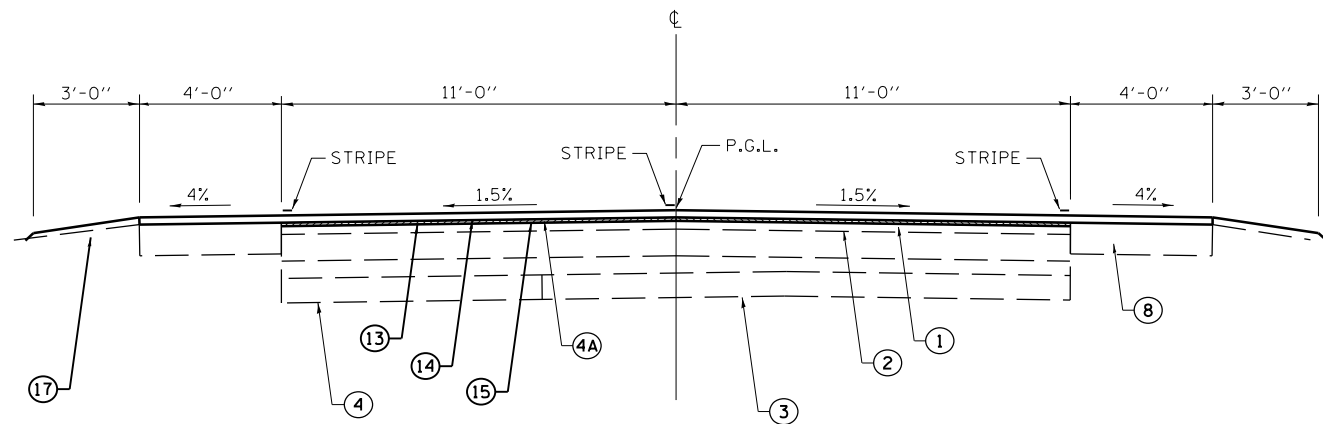
**TYPICAL CROSS SECTION - IL. RTE. 29**

STA. 580+05.93 TO STA. 602+10.93

**LEGEND**

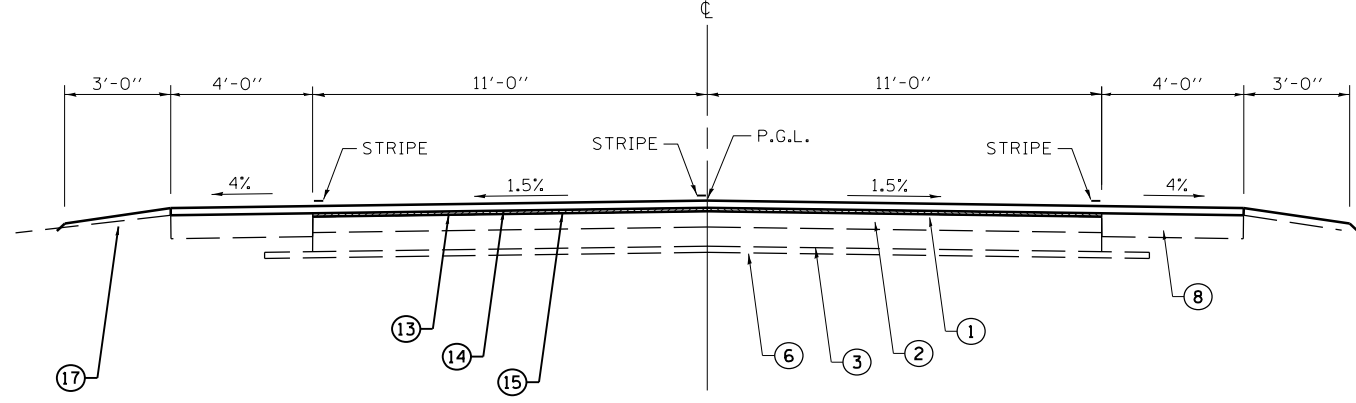
- |   |  |
|---|--|
| ① EXISTING HMA SURFACE COURSE (VARIABLE DEPTH)                | ⑬ PROPOSED HMA SURFACE REMOVAL (VARIABLE DEPTH)                |
| ② EXISTING HMA BINDER COURSE (VARIABLE DEPTH)                 | ⑭ PROPOSED HMA SURFACE COURSE, MIX. C N50 1.5"                 |
| ③ EXISTING P.C.C. PAVEMENT 9'-6"-9"                           | ⑭A PROPOSED HMA SURFACE COURSE, MIX. D N70 1.5"                |
| ④ EXISTING HMA BASE COURSE WIDENING (VARIABLE DEPTH)          | ⑮ PROPOSED LEVELING BINDER (MACHINE METHOD), IL-9.5 N50 0.75"  |
| ④A EXISTING REFLECTIVE CRACK CONTROL TREATMENT                | ⑮A PROPOSED LEVELING BINDER (MACHINE METHOD), IL-9.5 N70 0.75" |
| ⑤ EXISTING GRANULAR OR BASE COURSE, TYPE A 9"                 | ⑯ PROPOSED HMA SHOULDERS, 6.5"                                 |
| ⑥ EXISTING SUBBASE GRANULAR MATERIAL, TYPE A (VARIABLE DEPTH) | ⑰ PROPOSED AGGREGATE SHOULDER, TYPE B                          |
| ⑦ EXISTING AGGREGATE SHOULDER                                 | ⑱ PROPOSED PAVED SHOULDER REMOVAL                              |
| ⑧ EXISTING BITUMINOUS SHOULDER                                | ⑲ PROPOSED EXCAVATING AND GRADING SHOULDER                     |
| ⑨ EXISTING CONCRETE GUTTER, TYPE A OR TYPE B                  |  |
| ⑩ EXISTING CONCRETE CURB & GUTTER, TYPE 5                     |  |
| ⑪ EXISTING CONCRETE CURB & GUTTER, TYPE 7                     |  |
| ⑫ EXISTING CONCRETE MEDIAN                                    |  |

FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>TYPICAL SECTIONS ILLINOIS 29</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\midot\laughlinr1\d0216293\0672065-shr-typical.dgn		DRAWN -	REVISED -		658	(O)RS-1, (C,D,E)RS-3	MENARD	53	13			
PLOT SCALE = 40.0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 72D65							
PLOT DATE = Feb-08-2011 11:29:06AM		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							
				SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.				



**TYPICAL CROSS SECTION - IL. RTE. 29**

STA. 602+10.93 TO STA. 665+40.92  
 STA. 690+40.92 TO STA. 698+40.92



**TYPICAL CROSS SECTION - IL. RTE. 29**

STA. 665+40.92 TO STA. 690+40.92  
 STA. 698+40.92 TO STA. 732+50.94

**LEGEND**

- |   |  |
|---|--|
| ① EXISTING HMA SURFACE COURSE (VARIABLE DEPTH)                | ⑬A PROPOSED HMA SURFACE REMOVAL, 2.25"                         |
| ② EXISTING HMA BINDER COURSE (VARIABLE DEPTH)                 | ⑭ PROPOSED HMA SURFACE COURSE, MIX. C N50 1.5"                 |
| ③ EXISTING P.C.C. PAVEMENT 9"-6"-9"                           | ⑭A PROPOSED HMA SURFACE COURSE, MIX. D N70 1.5"                |
| ④ EXISTING HMA BASE COURSE WIDENING (VARIABLE DEPTH)          | ⑮ PROPOSED LEVELING BINDER (MACHINE METHOD), IL-9.5 N50 0.75"  |
| ④A EXISTING REFLECTIVE CRACK CONTROL TREATMENT                | ⑮A PROPOSED LEVELING BINDER (MACHINE METHOD), IL-9.5 N70 0.75" |
| ⑤ EXISTING GRANULAR OR BASE COURSE, TYPE A 9"                 | ⑯ PROPOSED HMA SHOULDERS, 6.5"                                 |
| ⑥ EXISTING SUBBASE GRANULAR MATERIAL, TYPE A (VARIABLE DEPTH) | ⑰ PROPOSED AGGREGATE SHOULDER, TYPE B                          |
| ⑦ EXISTING AGGREGATE SHOULDER                                 | ⑱ PROPOSED PAVED SHOULDER REMOVAL                              |
| ⑧ EXISTING BITUMINOUS SHOULDER                                | ⑲ PROPOSED EXCAVATING AND GRADING SHOULDER                     |
| ⑨ EXISTING CONCRETE GUTTER, TYPE A OR TYPE B                  |  |
| ⑩ EXISTING CONCRETE CURB & GUTTER, TYPE 5                     |  |
| ⑪ EXISTING CONCRETE CURB & GUTTER, TYPE 7                     |  |
| ⑫ EXISTING CONCRETE MEDIAN                                    |  |
| ⑬ PROPOSED HMA SURFACE REMOVAL (VARIABLE DEPTH)               |  |

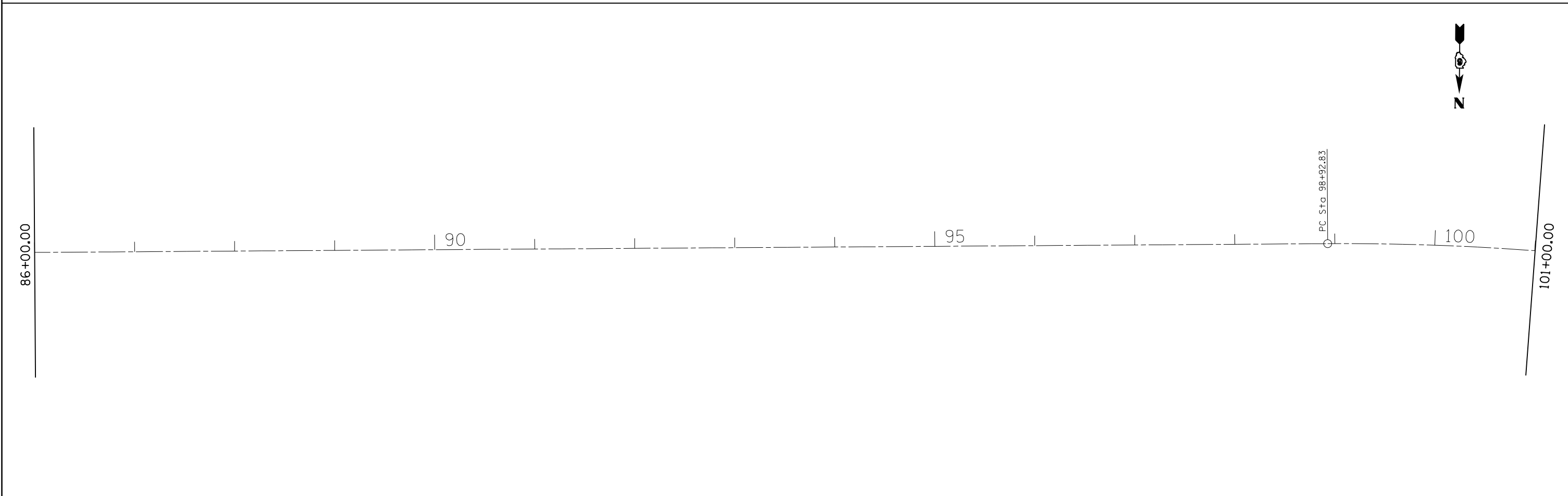
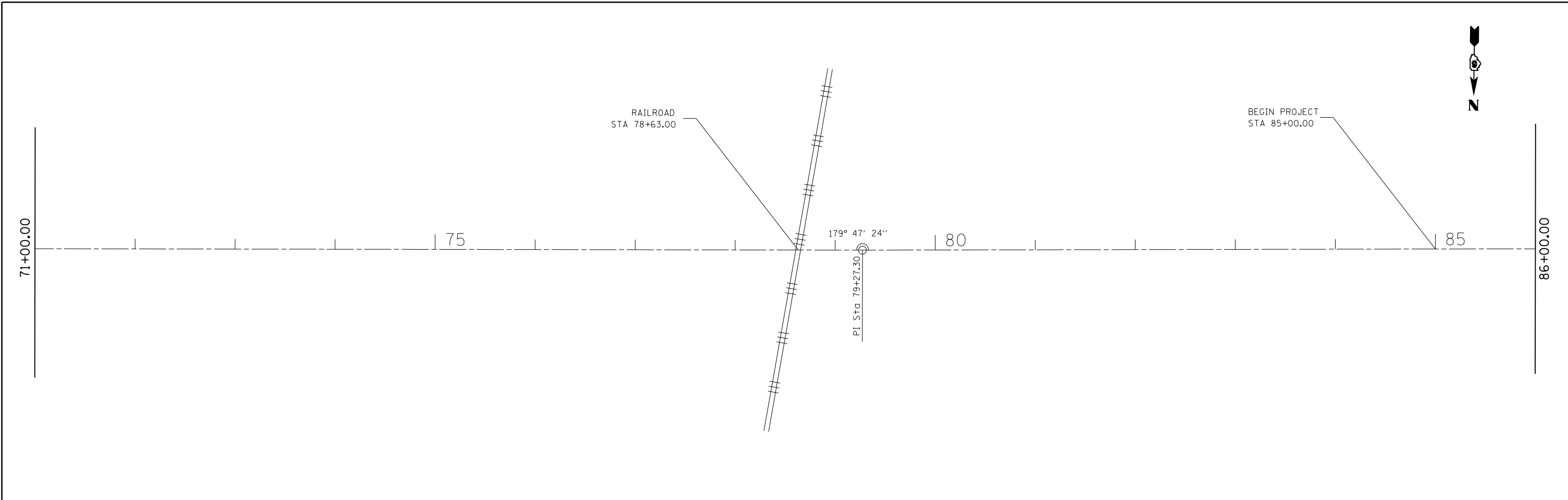
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et:\pwork\pwork\laughlinc1\0216293\0672065-shit-typical.dgn		DRAWN -	REVISED -
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	PLOT DATE = Feb-08-2011 11:29:07AM	DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

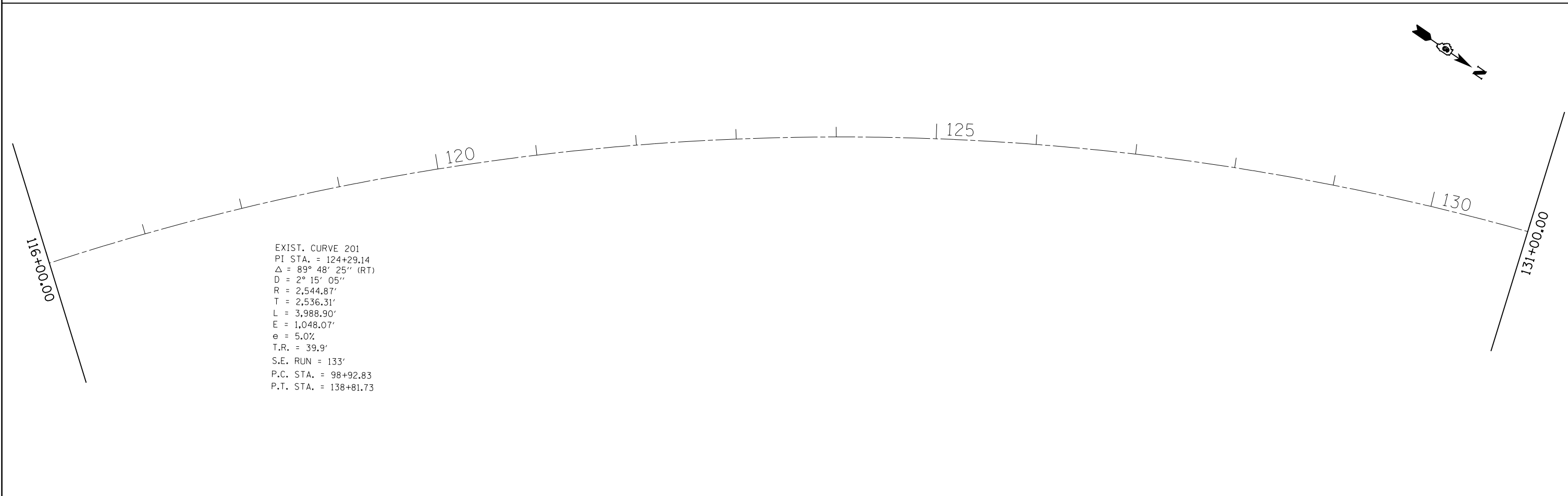
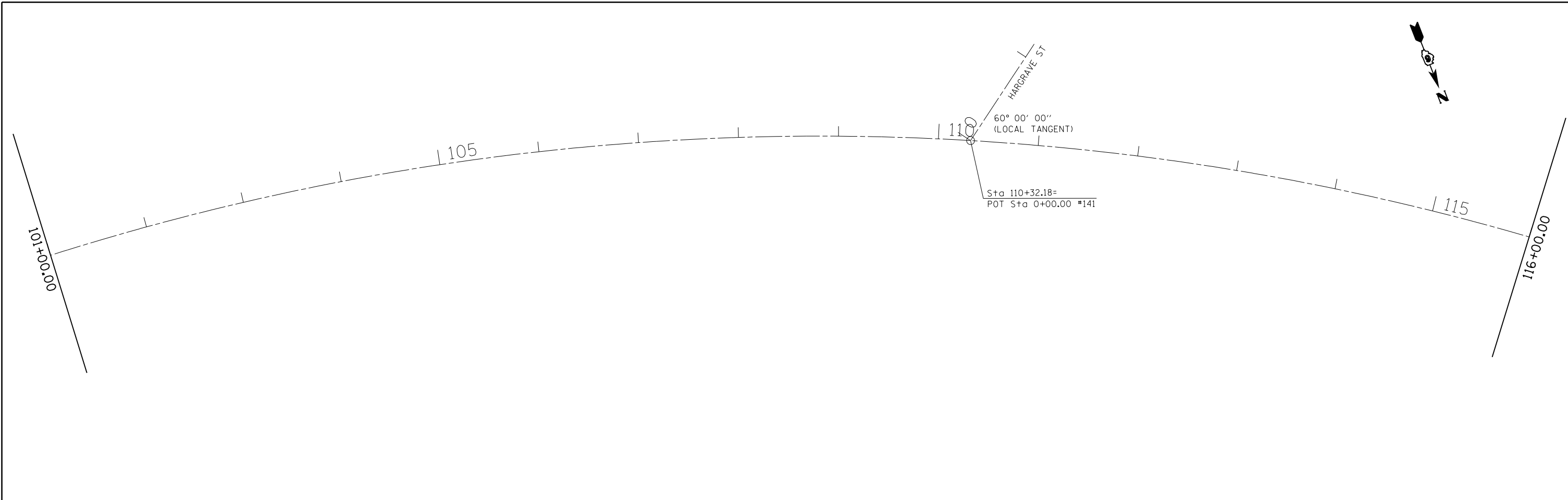
**TYPICAL SECTIONS  
 ILLINOIS 29**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
658	(O)RS-1, (C,D,E)RS-3	MENARD	53	14
			CONTRACT NO. 72D65	
ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ALIGNMENT DIAGRAM - IL 29</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ci:\pw\work\p\idot\laughlinr1\0216293\067265-sht-plansheets.dgn		DRAWN -	REVISED -					658	(O)RS-1, (C,D,E)RS-3	MENARD	53	15
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 72D65			ILLINOIS FED. AID PROJECT				
	PLOT DATE = Feb-08-2011 11:29:13AM	DATE -	REVISED -		SCALE:	SHEET NO. 1 OF 22 SHEETS	STA. 71+00.00 TO STA. 101+00.00					



FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
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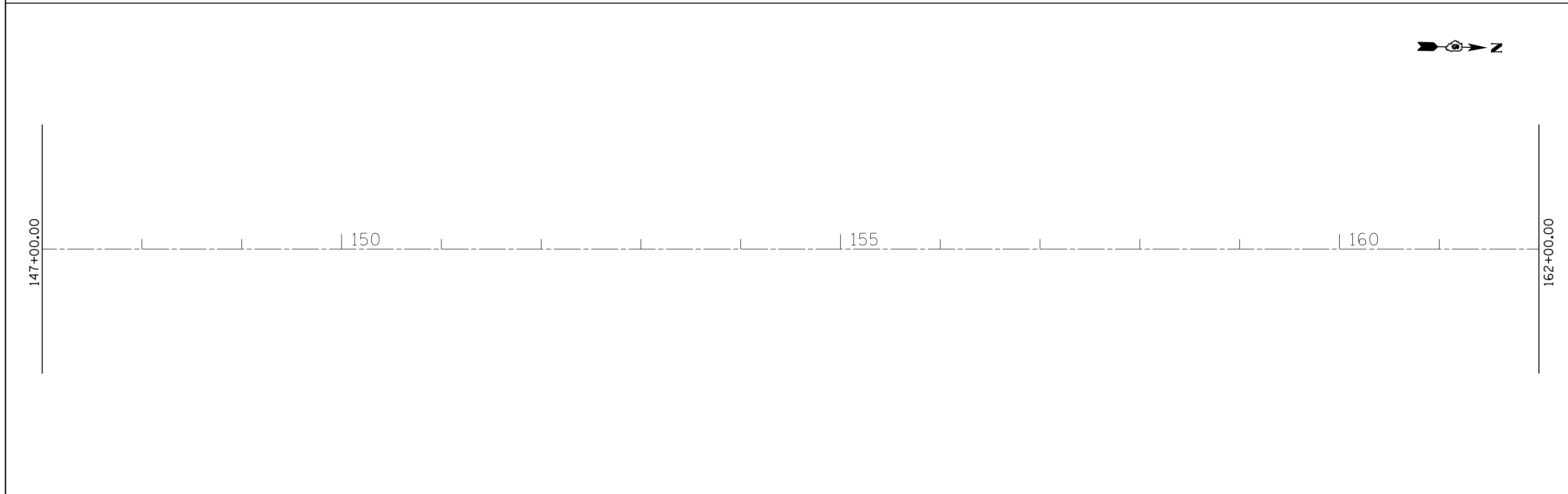
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT DIAGRAM - IL 29**

SCALE: SHEET NO. 2 OF 22 SHEETS STA. 101+00.00 TO STA. 131+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
658	(O)RS-1, (C,D,E)RS-3	MENARD	53	16
CONTRACT NO. 72D65				
ILLINOIS FED. AID PROJECT				





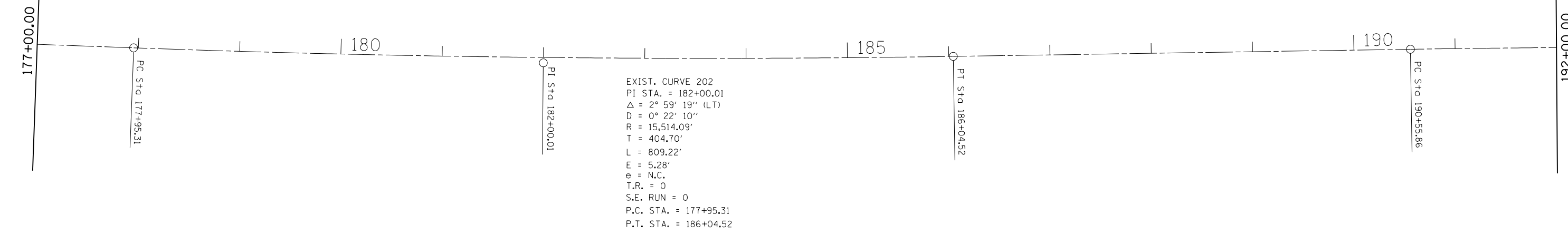
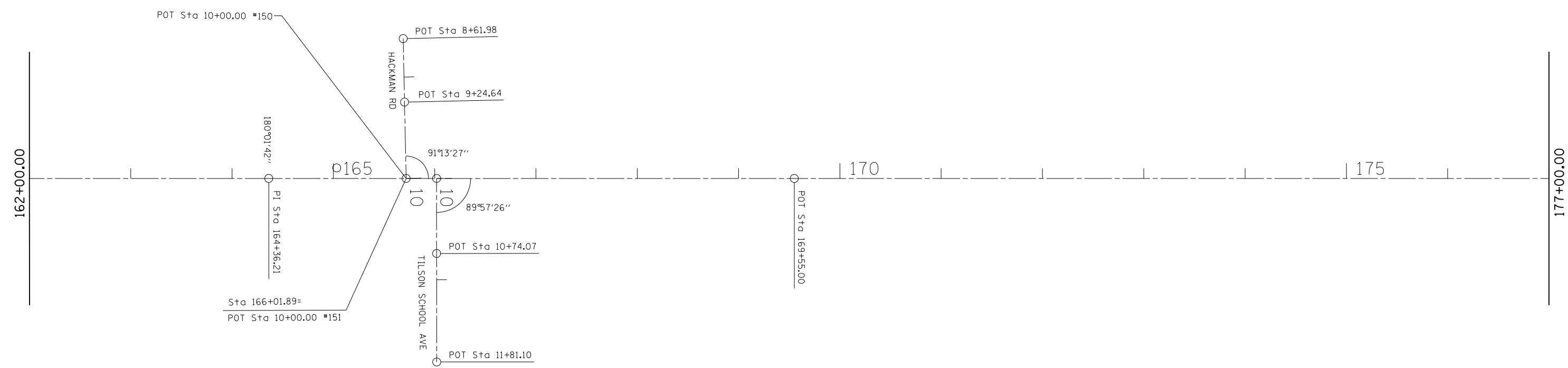
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	PLOT DATE = Feb-08-2011 11:29:14AM	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT DIAGRAM - IL 29**

SCALE: SHEET NO. 3 OF 22 SHEETS STA. 131+00.00 TO STA. 162+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
658	(O)RS-1, (C,D,E)RS-3	MENARD	53	17
				<b>CONTRACT NO. 72D65</b>
ILLINOIS FED. AID PROJECT				



EXIST. CURVE 202  
 PI STA. = 182+00.01  
 $\Delta$  = 2° 59' 19" (LT)  
 D = 0° 22' 10"  
 R = 15,514.09'  
 T = 404.70'  
 L = 809.22'  
 E = 5.28'  
 e = N.C.  
 T.R. = 0  
 S.E. RUN = 0  
 P.C. STA. = 177+95.31  
 P.T. STA. = 186+04.52

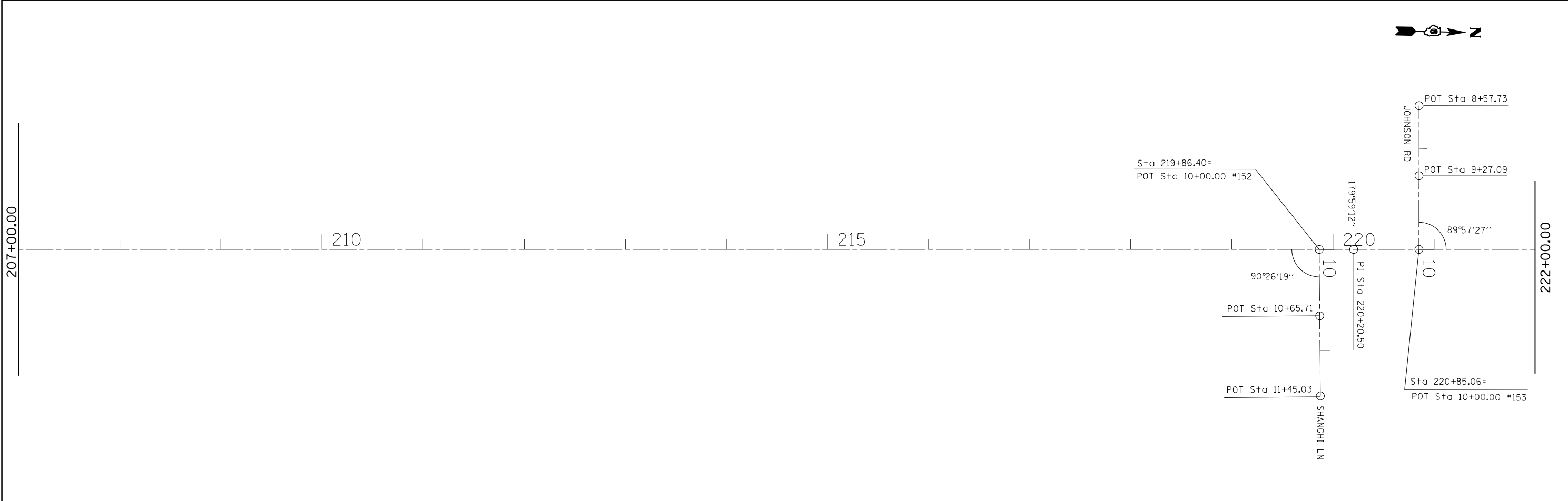
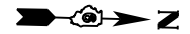
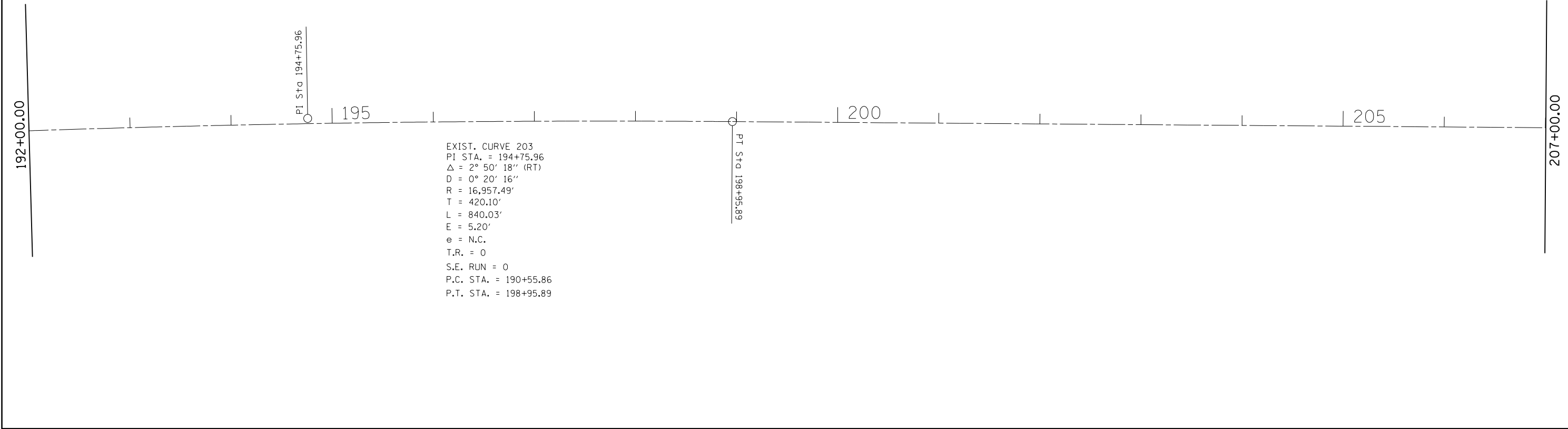
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PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -
PLOT DATE = Feb-08-2011 11:29:14AM		DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT DIAGRAM - IL 29**

SCALE: SHEET NO. 4 OF 22 SHEETS STA. 162+00.00 TO STA. 192+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
658	(O)RS-1, (C,D,E)RS-3	MENARD	53	18
CONTRACT NO. 72D65				
ILLINOIS FED. AID PROJECT				

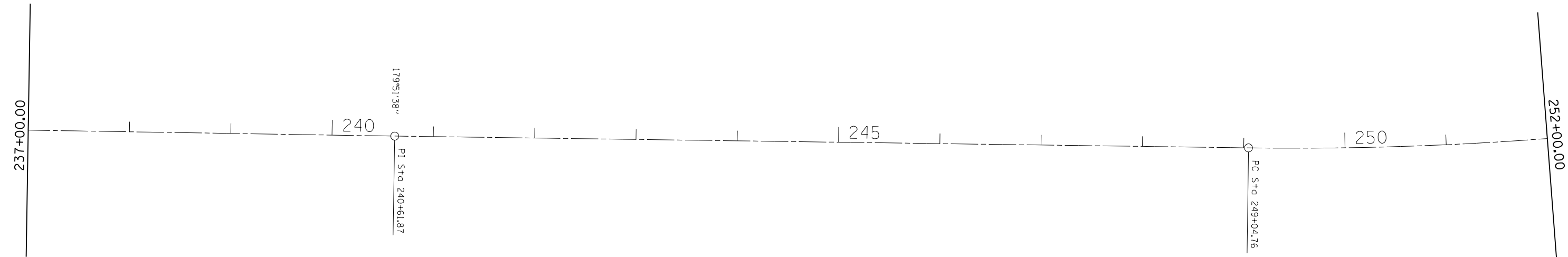


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PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -
PLOT DATE = Feb-08-2011 11:29:14AM		DATE -	REVISED -

**STATE OF ILLINOIS**  
**DEPARTMENT OF TRANSPORTATION**

<b>ALIGNMENT DIAGRAM - IL 29</b>		
SCALE:	SHEET NO. 5 OF 22 SHEETS	STA. 192+00.00 TO STA. 222+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
658	(O)RS-1, (C,D,E)RS-3	MENARD	53	19
CONTRACT NO. 72D65			ILLINOIS FED. AID PROJECT	



FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
c:\pwork\pwork\laughlinr1\0216293\06265-sht-plansheets.dgn		DRAWN -	REVISED -
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

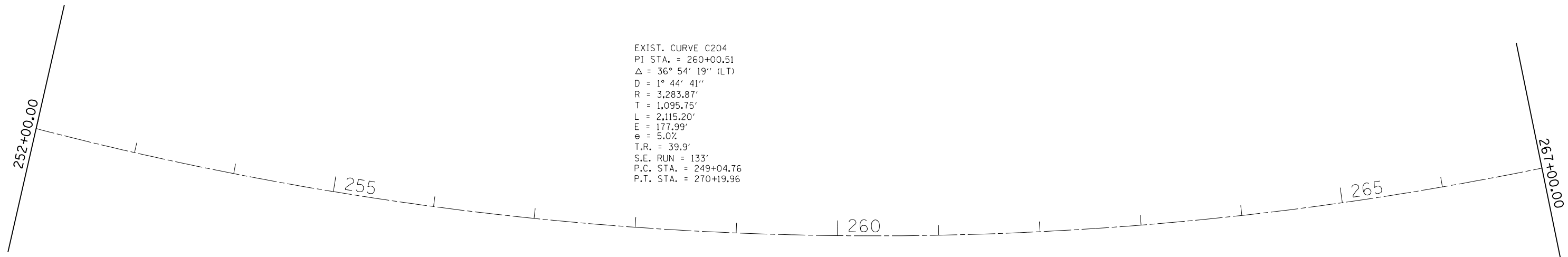
**ALIGNMENT DIAGRAM - IL 29**

SCALE: SHEET NO. 6 OF 22 SHEETS STA. 222+00.00 TO STA. 252+00.00

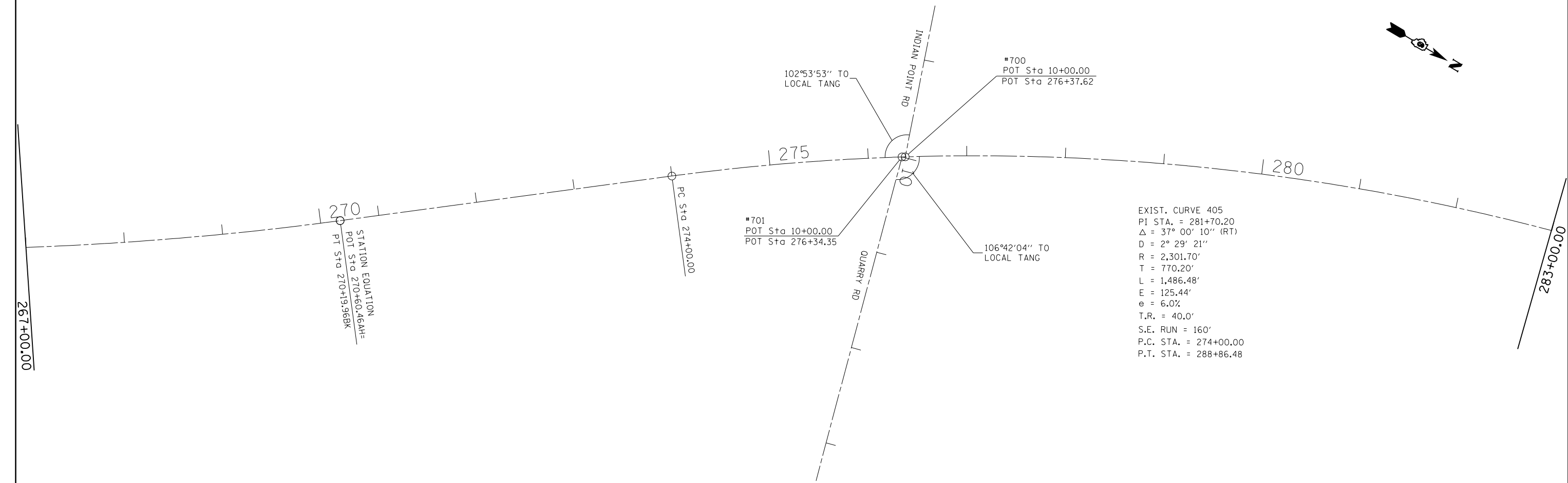
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
658	(O)RS-1, (C,D,E)RS-3	MENARD	53	20
				<b>CONTRACT NO. 72D65</b>
ILLINOIS FED. AID PROJECT				



EXIST. CURVE C204  
 PI STA. = 260+00.51  
 $\Delta = 36^\circ 54' 19''$  (LT)  
 D = 1° 44' 41"  
 R = 3,283.87'  
 T = 1,095.75'  
 L = 2,115.20'  
 E = 177.99'  
 e = 5.0%  
 T.R. = 39.9'  
 S.E. RUN = 133'  
 P.C. STA. = 249+04.76  
 P.T. STA. = 270+19.96



EXIST. CURVE 405  
 PI STA. = 281+70.20  
 $\Delta = 37^\circ 00' 10''$  (RT)  
 D = 2° 29' 21"  
 R = 2,301.70'  
 T = 770.20'  
 L = 1,486.48'  
 E = 125.44'  
 e = 6.0%  
 T.R. = 40.0'  
 S.E. RUN = 160'  
 P.C. STA. = 274+00.00  
 P.T. STA. = 288+86.48



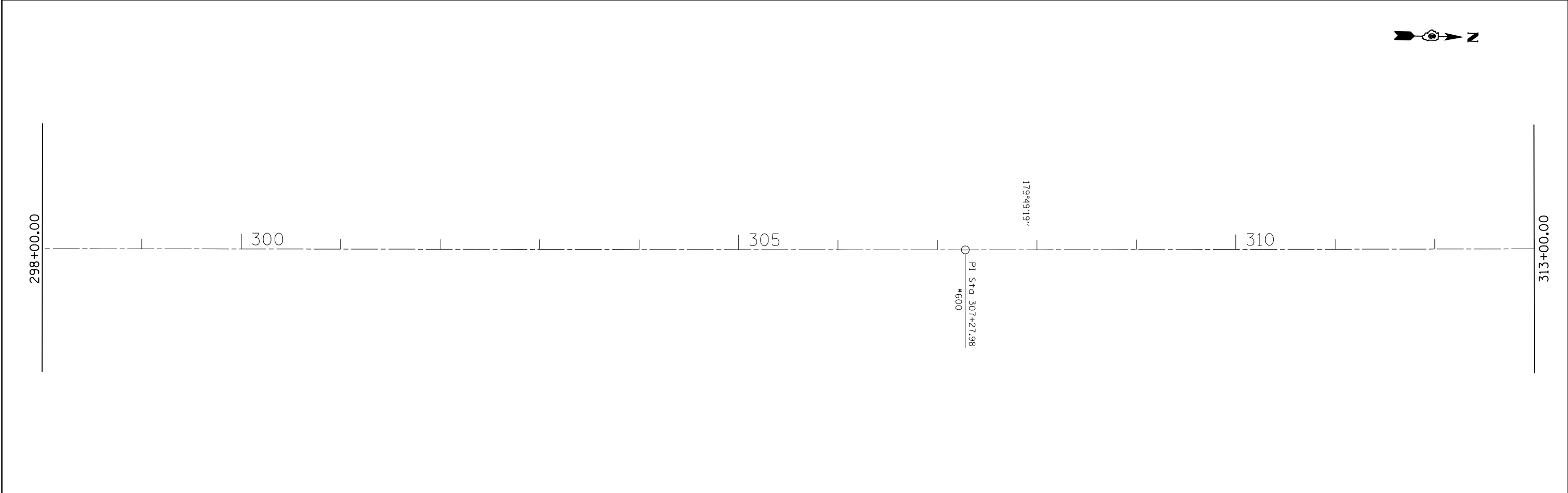
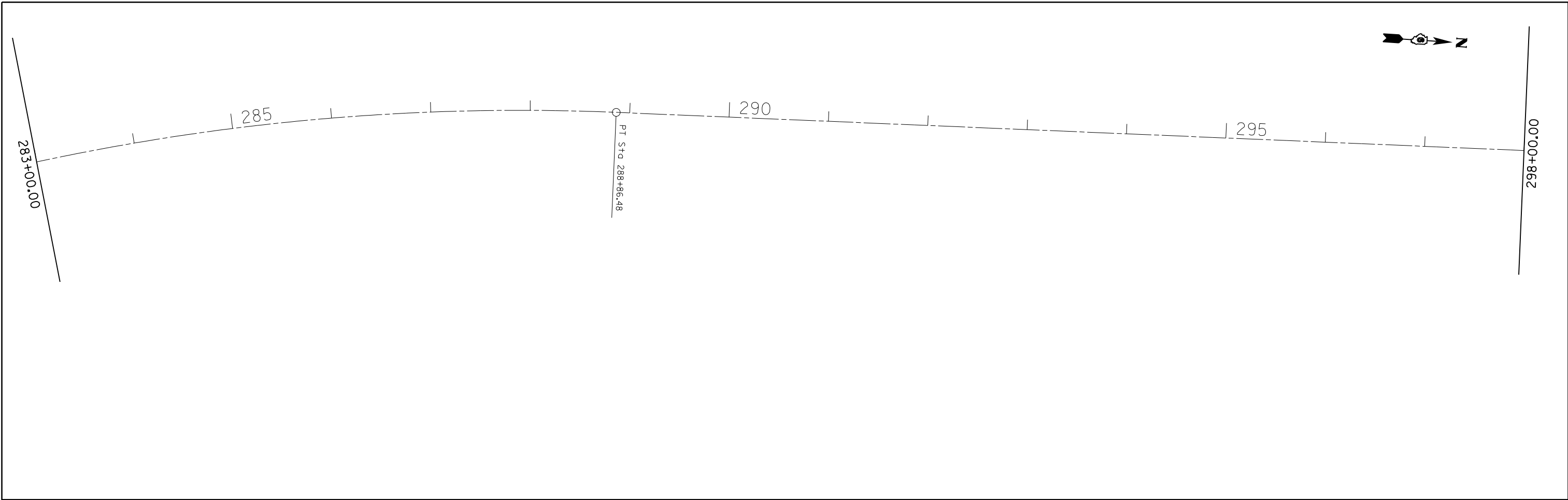
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PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -
PLOT DATE = Feb-08-2011 11:29:15AM		DATE -	REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT DIAGRAM - IL 29**

SCALE: SHEET NO. 7 OF 22 SHEETS STA. 252+00.00 TO STA. 283+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
658	(O)RS-1, (C,D,E)RS-3	MENARD	53	21
CONTRACT NO. 72D65			ILLINOIS FED. AID PROJECT	



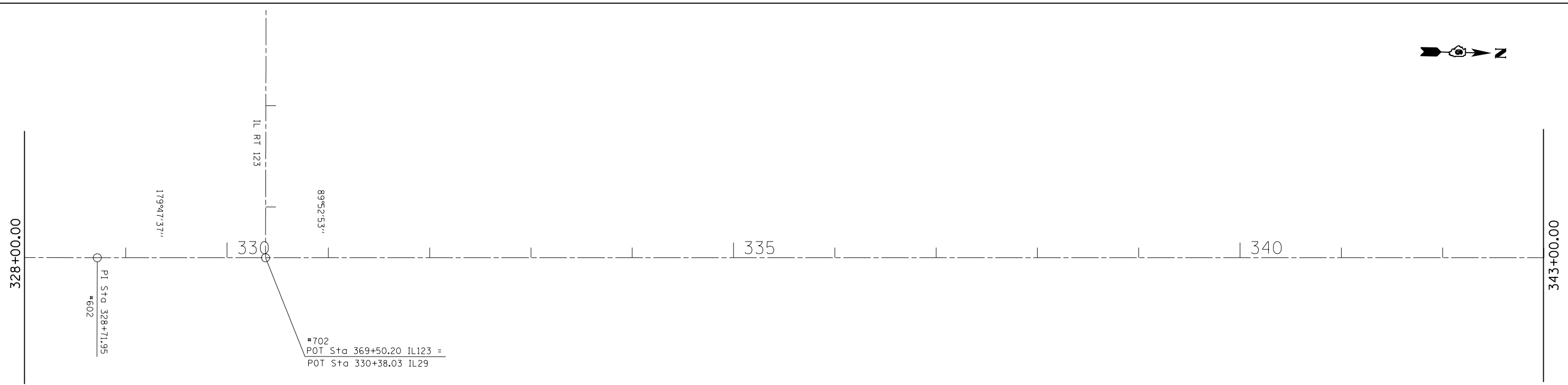
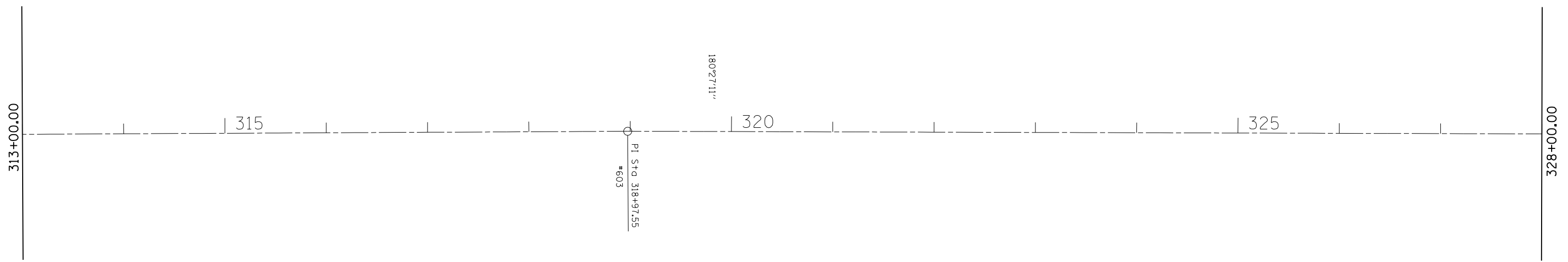
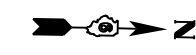
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = Feb-08-2011 11:29:16AM	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT DIAGRAM - IL 29**

SCALE: SHEET NO. 8 OF 22 SHEETS STA. 283+00.00 TO STA. 313+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
658	(O)RS-1, (C,D,E)RS-3	MENARD	53	22
CONTRACT NO. 72D65				
ILLINOIS FED. AID PROJECT				



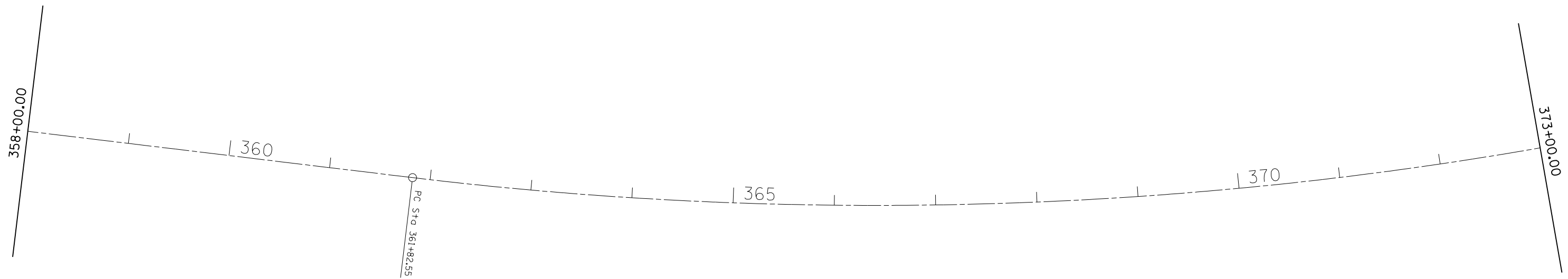
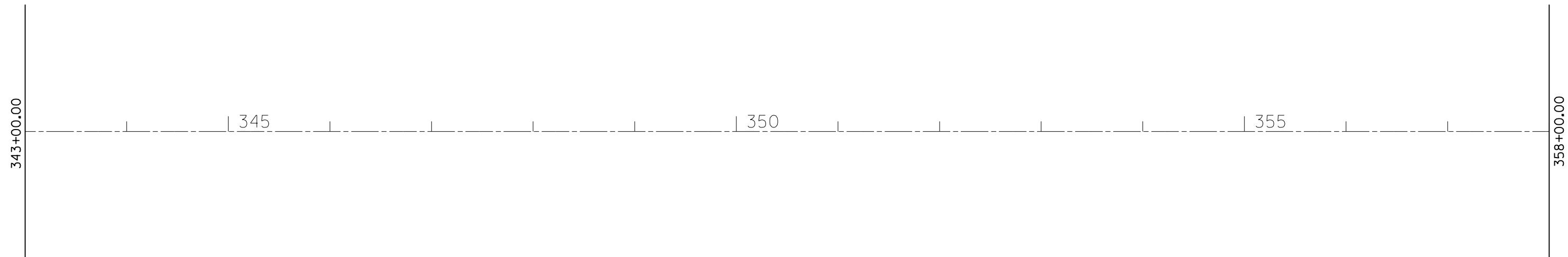
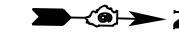
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	PLOT DATE = Feb-08-2011 11:29:16AM	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT DIAGRAM - IL 29**

SCALE: SHEET NO. 9 OF 22 SHEETS STA. 313+00.00 TO STA. 343+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
658	(O)RS-1, (C,D,E)RS-3	MENARD	53	23
CONTRACT NO. 72D65				
ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -
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	PLOT DATE = Feb-08-2011 11:29:16AM	DATE -	REVISED -

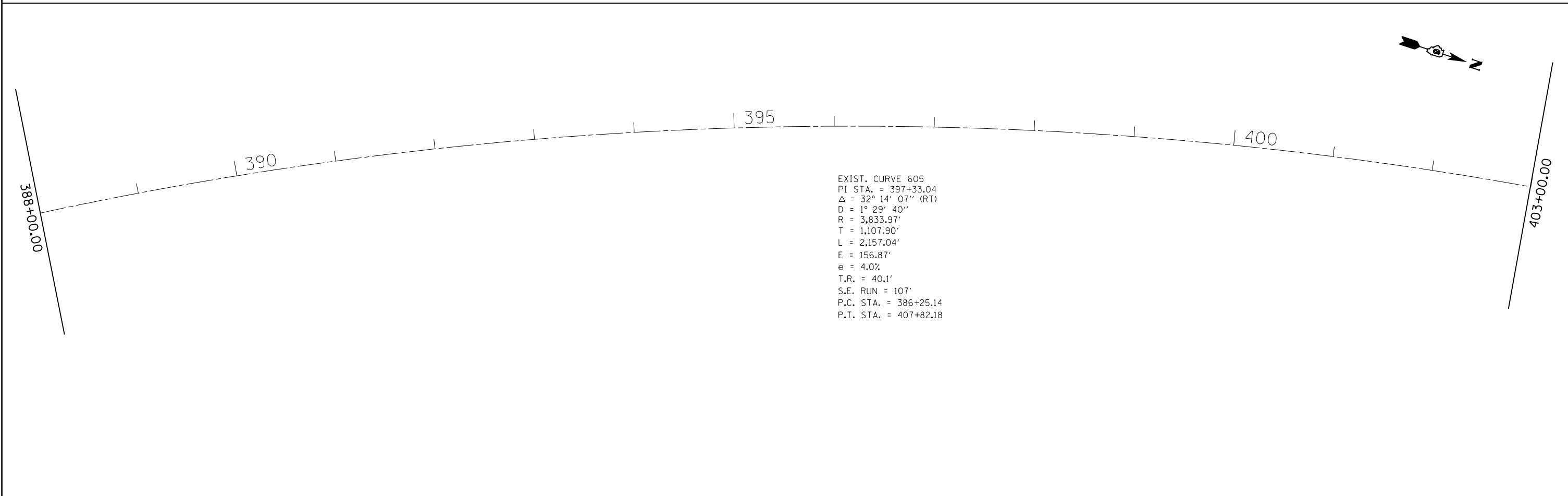
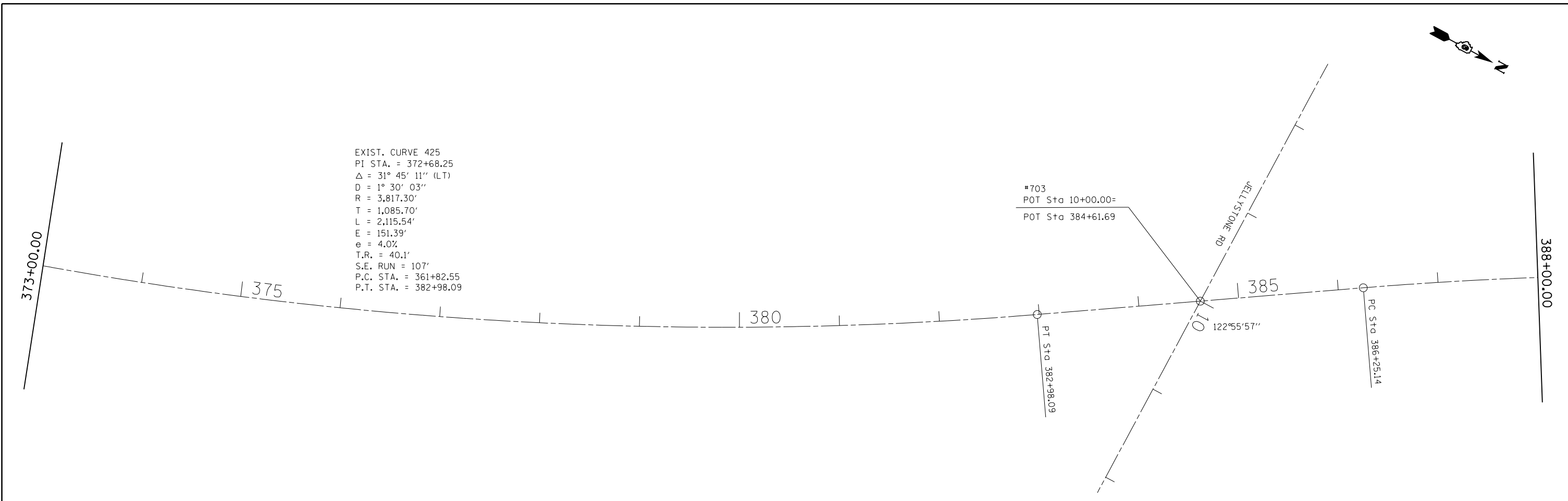
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT DIAGRAM - IL 29**

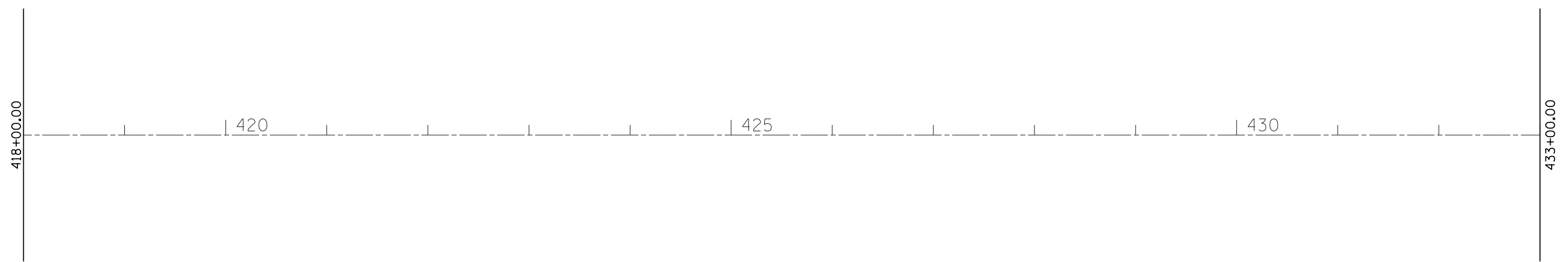
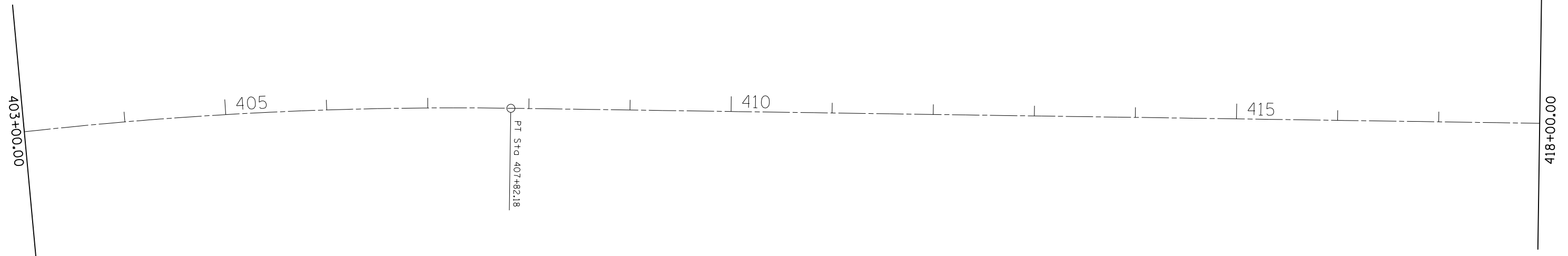
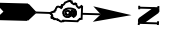
SCALE: SHEET NO. 10 OF 22 SHEETS STA. 343+00.00 TO STA. 373+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
658	(O)RS-1, (C,D,E)RS-3	MENARD	53	24
CONTRACT NO. 72D65			ILLINOIS FED. AID PROJECT	





FILE NAME =	USER NAME = laughlinr1	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ALIGNMENT DIAGRAM - IL 29</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ci:\pwwork\pwwork\laughlinr1\0216293\067265-sht-plansheets.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO. 11 OF 22 SHEETS	STA. 373+00.00 TO STA. 403+00.00	658	(O)RS-1, (C,D,E)RS-3	MENARD	53	25
		CHECKED -	REVISED -		CONTRACT NO. 72D65							
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



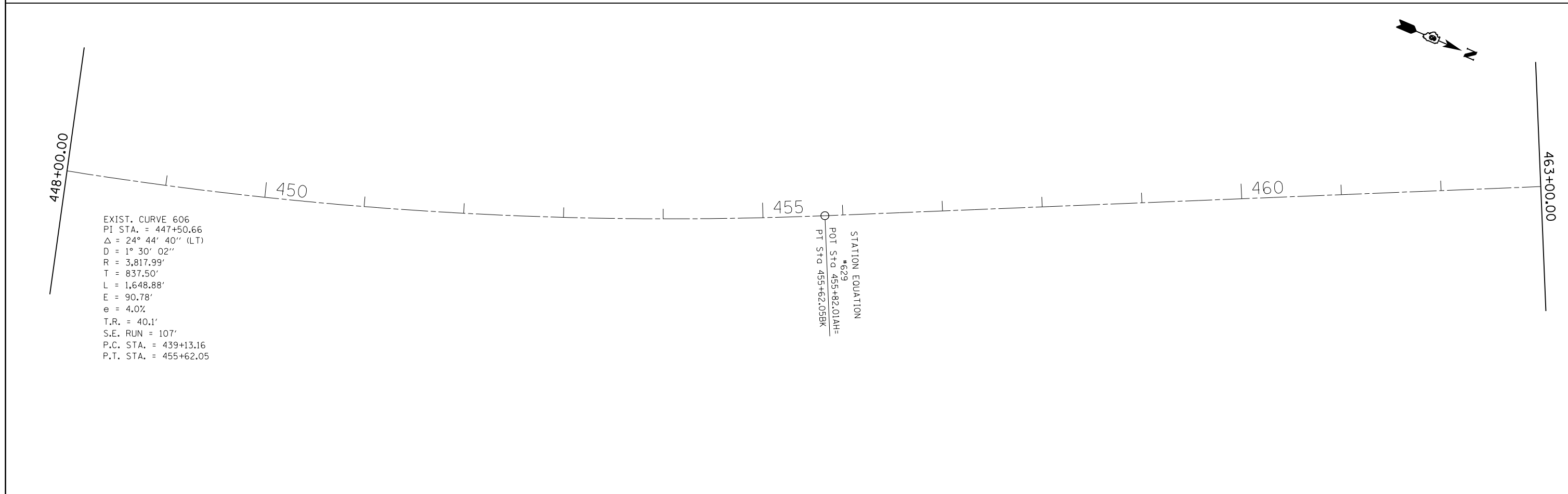
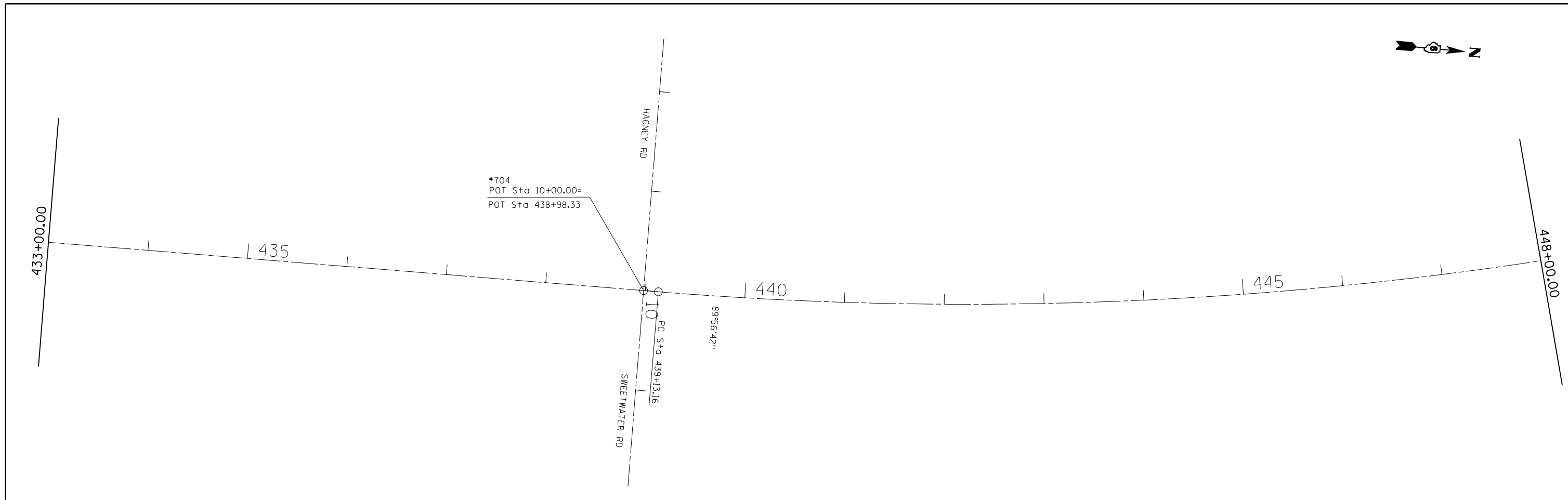
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT DIAGRAM - IL 29**

SCALE: SHEET NO. 12 OF 22 SHEETS STA. 403+00.00 TO STA. 433+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
658	(O)RS-1, (C,D,E)RS-3	MENARD	53	26
				CONTRACT NO. 72D65
ILLINOIS FED. AID PROJECT				



EXIST. CURVE 606  
 PI STA. = 447+50.66  
 $\Delta = 24^\circ 44' 40''$  (LT)  
 $D = 1^\circ 30' 02''$   
 $R = 3,817.99'$   
 $T = 837.50'$   
 $L = 1,648.88'$   
 $E = 90.78'$   
 $e = 4.0\%$   
 $T.R. = 40.1'$   
 $S.E. RUN = 107'$   
 $P.C. STA. = 439+13.16$   
 $P.T. STA. = 455+62.05$

STATION EQUATION  
 $\#629$   
 $POT Sta 455+82.01AH =$   
 $PT Sta 455+62.05BK$

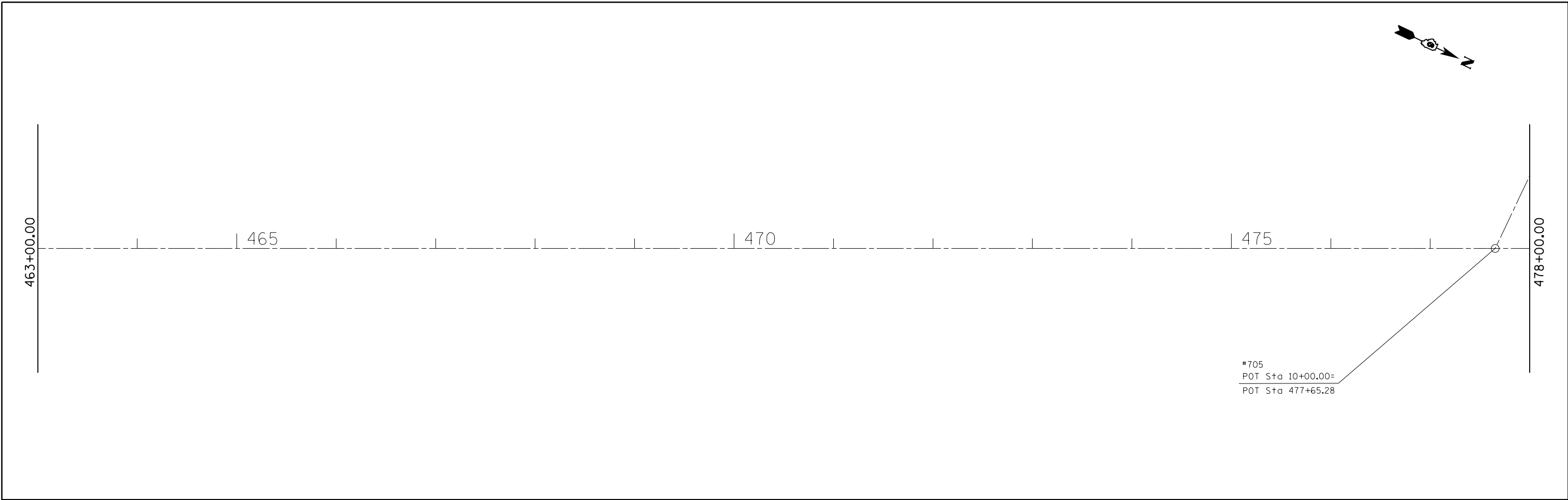
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STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

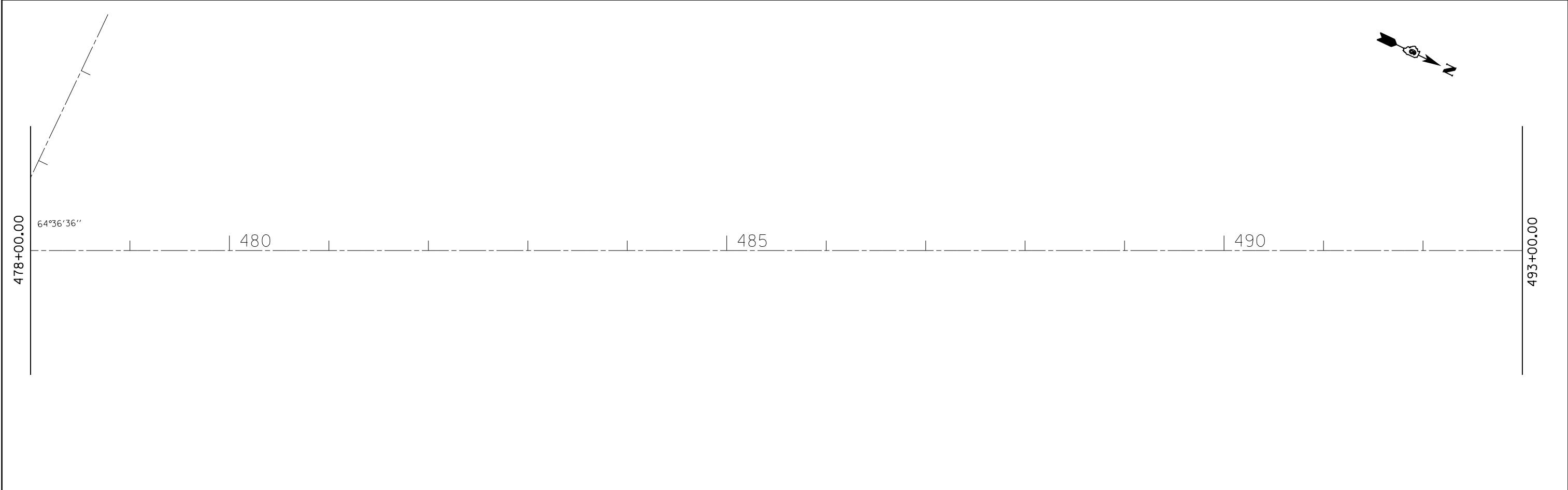
ALIGNMENT DIAGRAM - IL 29

SCALE: SHEET NO. 13 OF 22 SHEETS STA. 433+00.00 TO STA. 463+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
658	(O)RS-1, (C,D,E)RS-3	MENARD	53	27
CONTRACT NO. 72D65				
ILLINOIS FED. AID PROJECT				

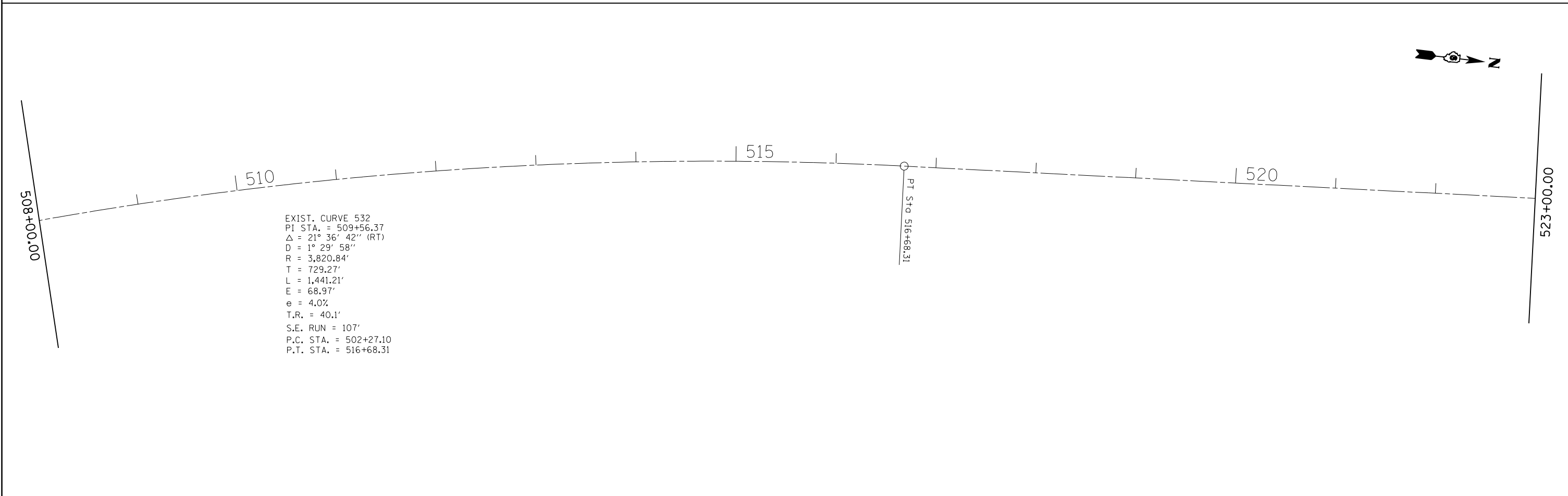
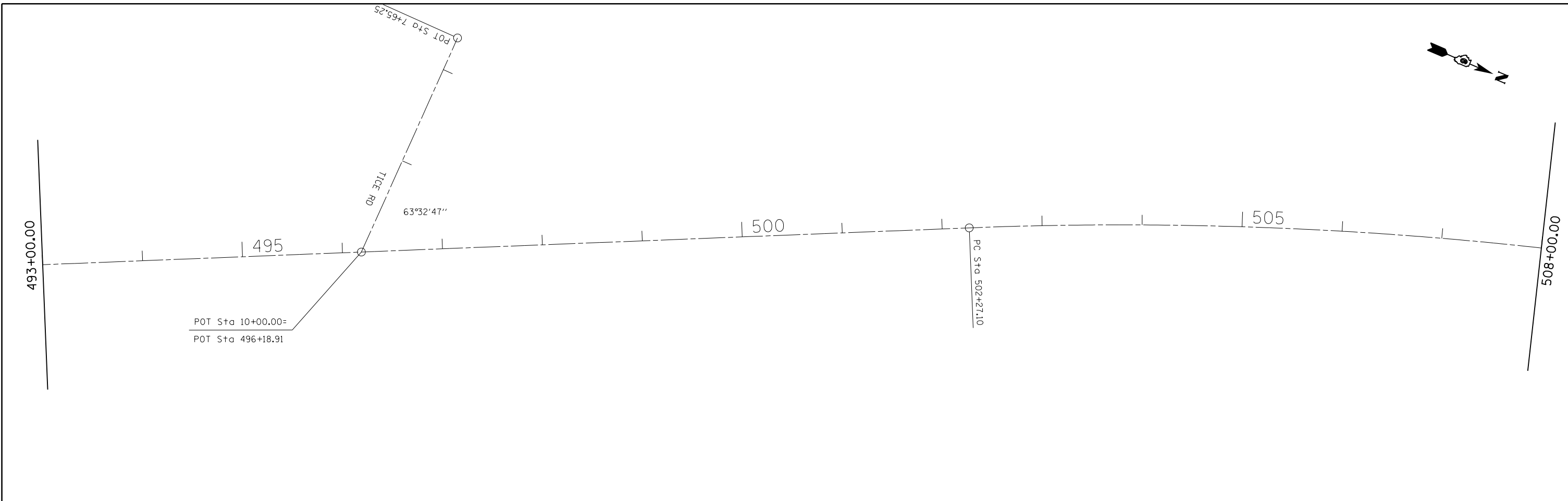


\*705  
 POT Sta 10+00.00=  
 POT Sta 477+65.28



64°36'36"

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PLOT DATE = Feb-08-2011 11:29:18AM	DATE -	REVISED -	SCALE:		SHEET NO. 14 OF 22 SHEETS	STA. 463+00.00 TO STA. 493+00.00	ILLINOIS FED. AID PROJECT					



EXIST. CURVE 532  
 PI STA. = 509+56.37  
 $\Delta = 21^\circ 36' 42''$  (RT)  
 D =  $1^\circ 29' 58''$   
 R = 3,820.84'  
 T = 729.27'  
 L = 1,441.21'  
 E = 68.97'  
 e = 4.0%  
 T.R. = 40.1'  
 S.E. RUN = 107'  
 P.C. STA. = 502+27.10  
 P.T. STA. = 516+68.31

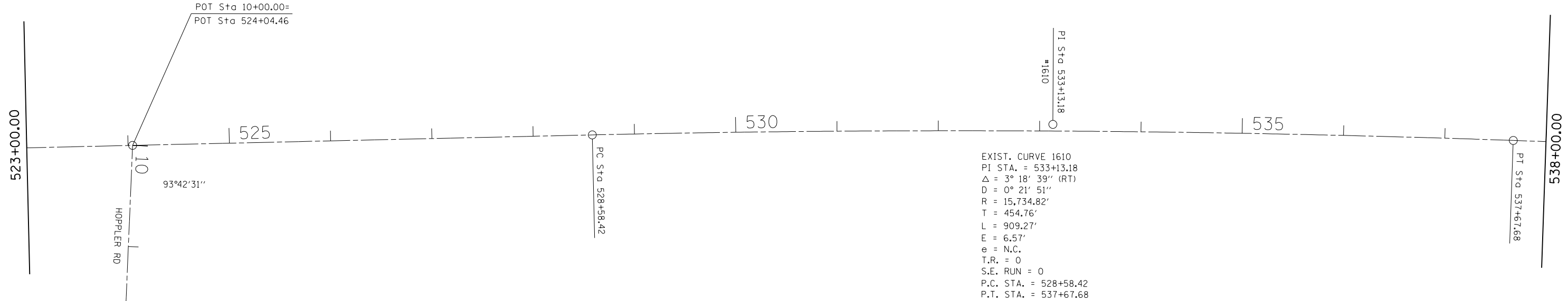
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

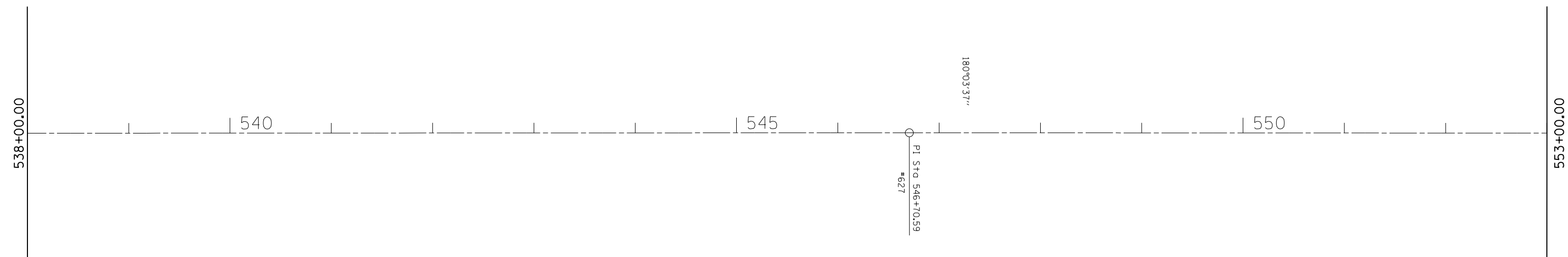
**ALIGNMENT DIAGRAM - IL 29**

SCALE: SHEET NO. 15 OF 22 SHEETS STA. 493+00.00 TO STA. 523+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
658	(O)RS-1, (C,D,E)RS-3	MENARD	53	29
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72D65	



EXIST. CURVE 1610  
 PI STA. = 533+13.18  
 $\Delta$  = 3° 18' 39" (RT)  
 D = 0° 21' 51"  
 R = 15,734.82'  
 T = 454.76'  
 L = 909.27'  
 E = 6.57'  
 e = N.C.  
 T.R. = 0  
 S.E. RUN = 0  
 P.C. STA. = 528+58.42  
 P.T. STA. = 537+67.68



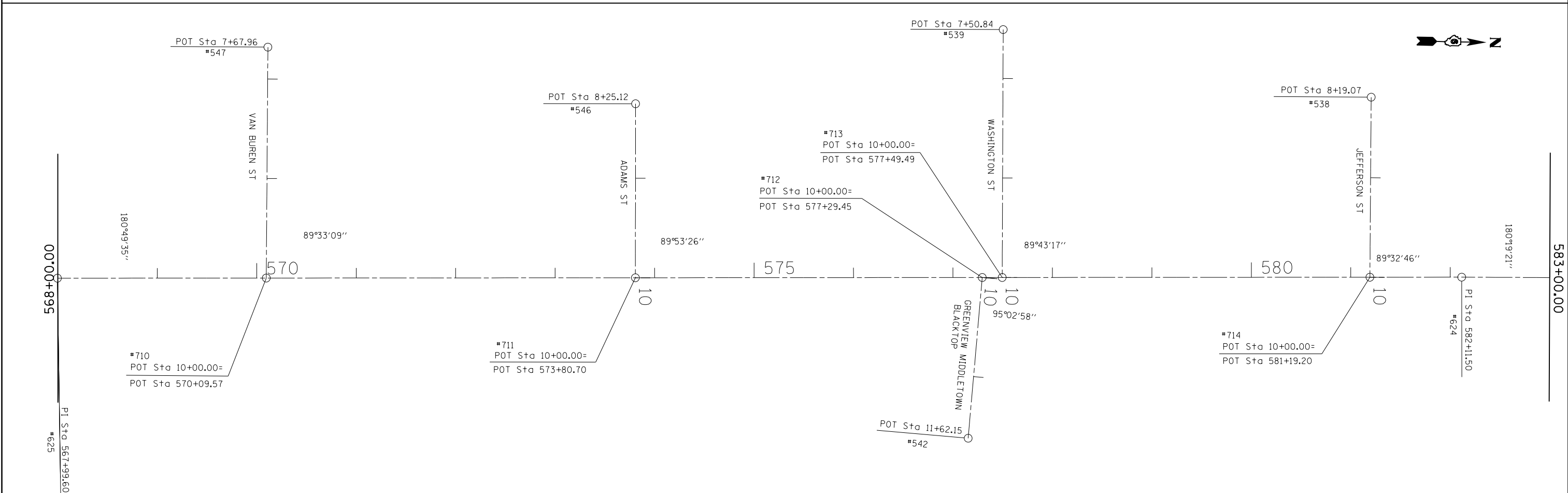
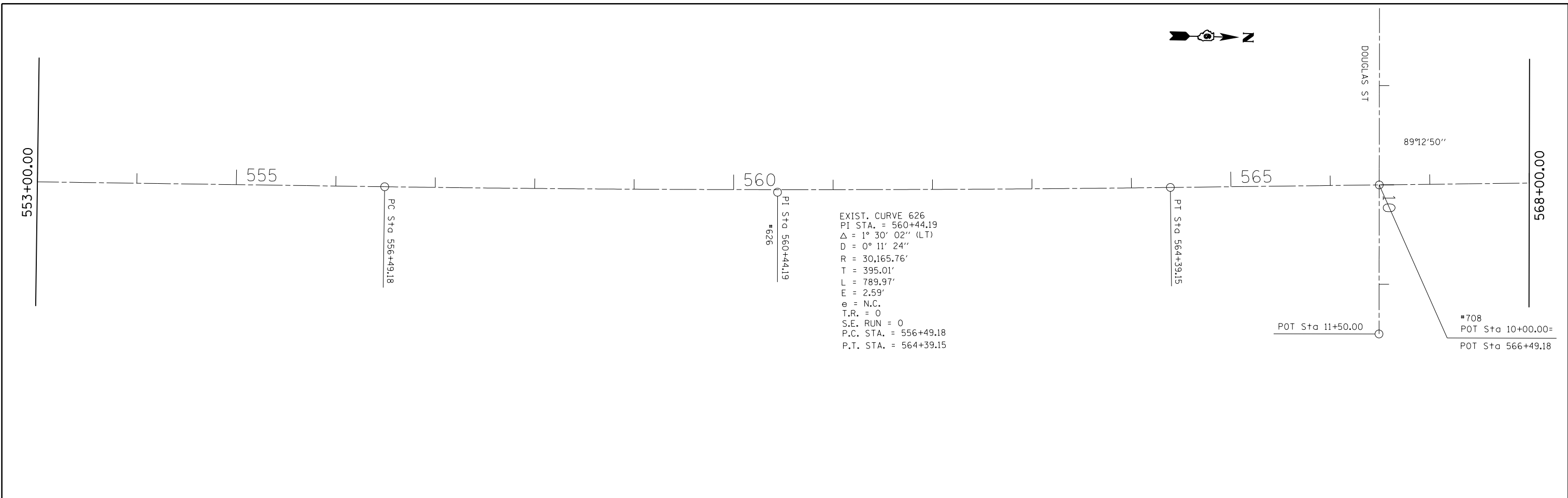
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**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

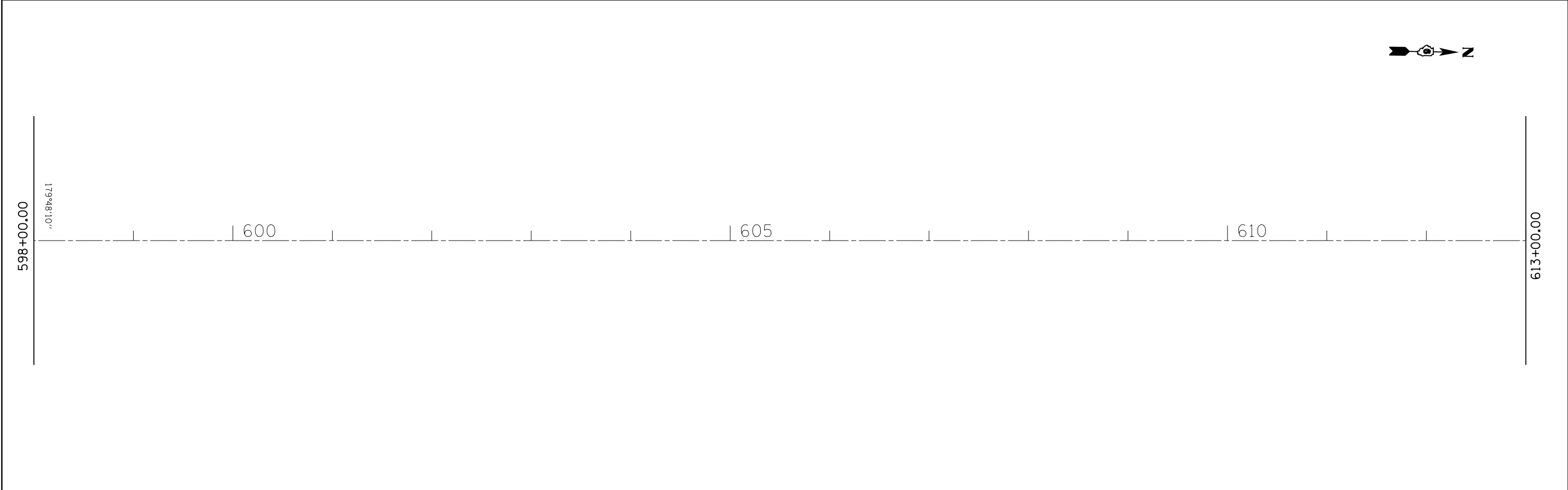
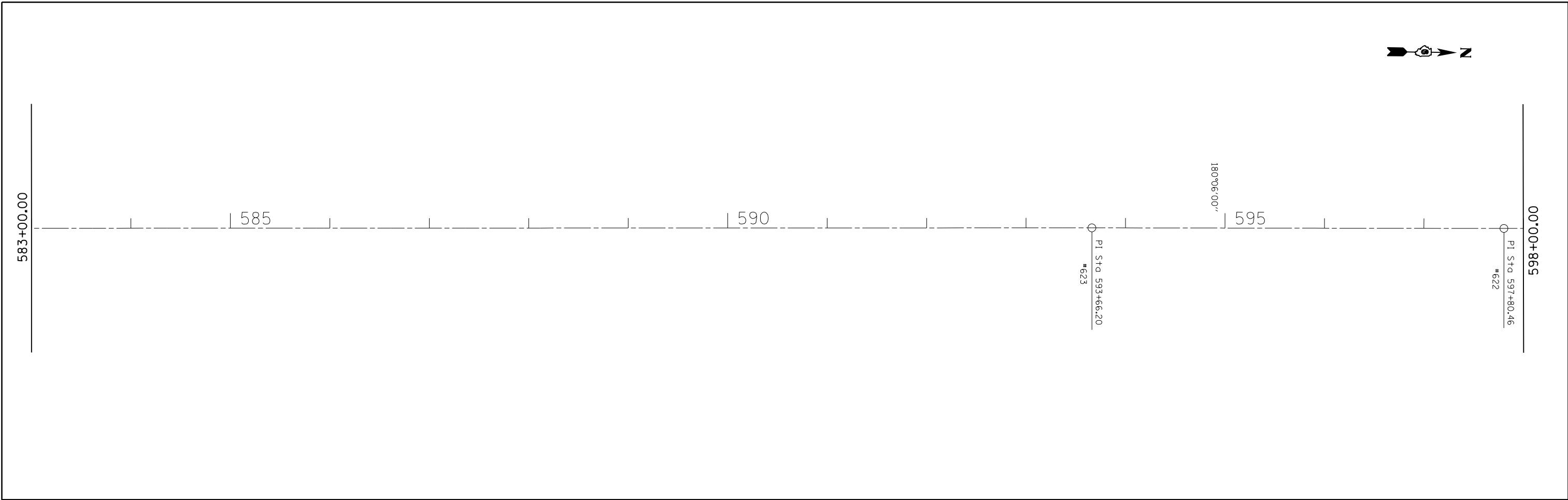
**ALIGNMENT DIAGRAM - IL 29**

SCALE: SHEET NO. 16 OF 22 SHEETS STA. 523+00.00 TO STA. 553+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
658	(O)RS-1, (C,D,E)RS-3	MENARD	53	30
CONTRACT NO. 72D65				
ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = laughlinc1	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ALIGNMENT DIAGRAM - IL 29</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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		CHECKED -	REVISED -					CONTRACT NO. 72D65				
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



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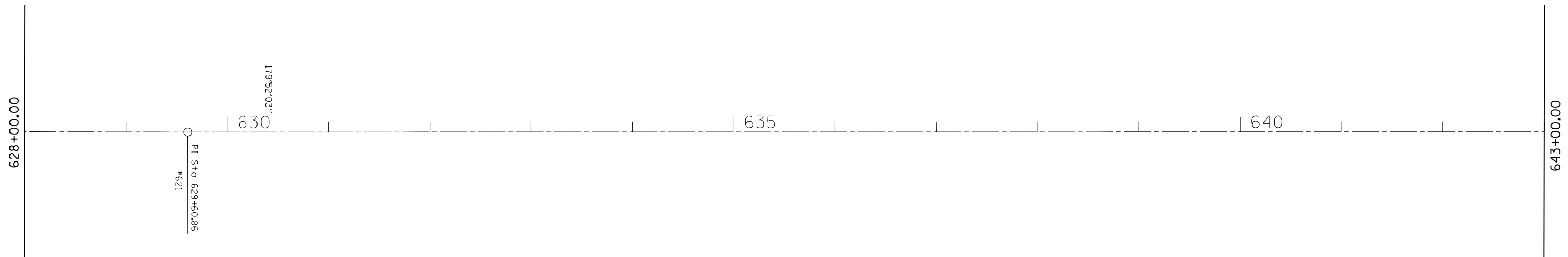
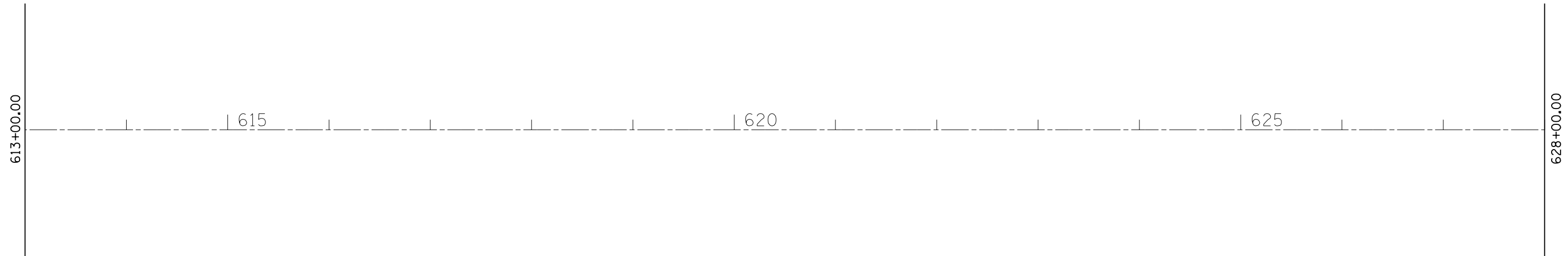
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT DIAGRAM - IL 29**

SCALE: SHEET NO. 18 OF 22 SHEETS STA. 583+00.00 TO STA. 613+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
658	(O)RS-1, (C,D,E)RS-3	MENARD	53	32
CONTRACT NO. 72D65				
ILLINOIS FED. AID PROJECT				





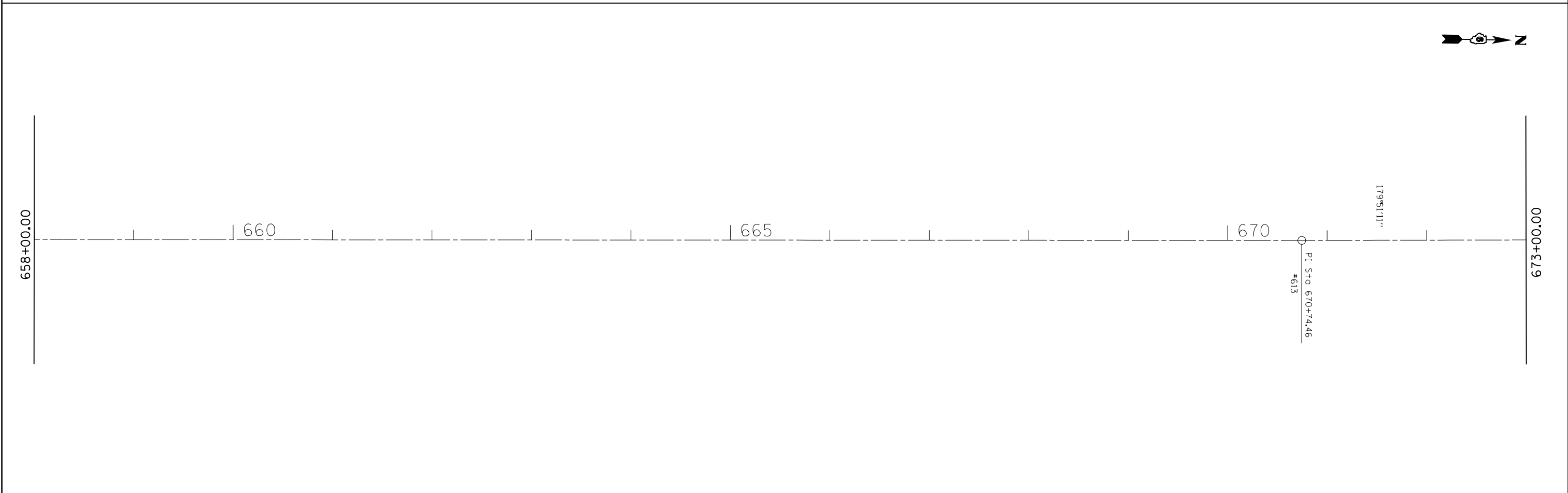
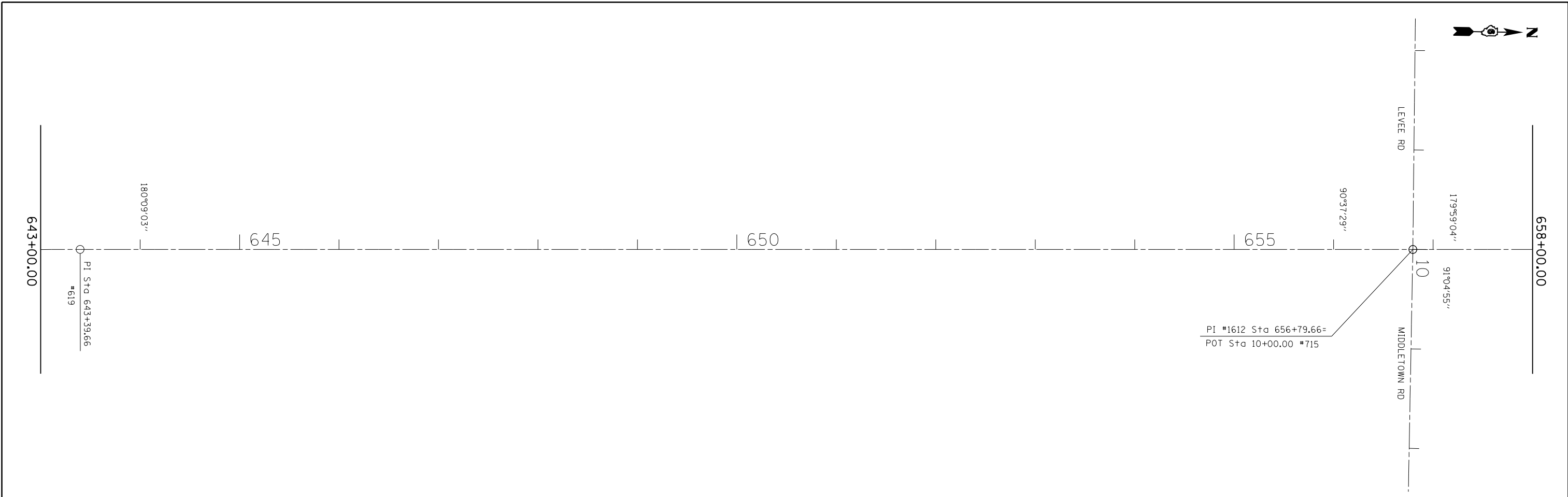
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

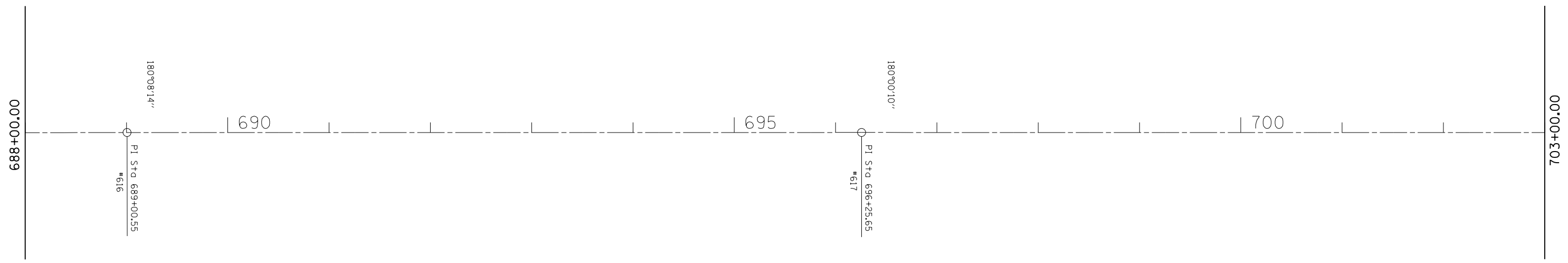
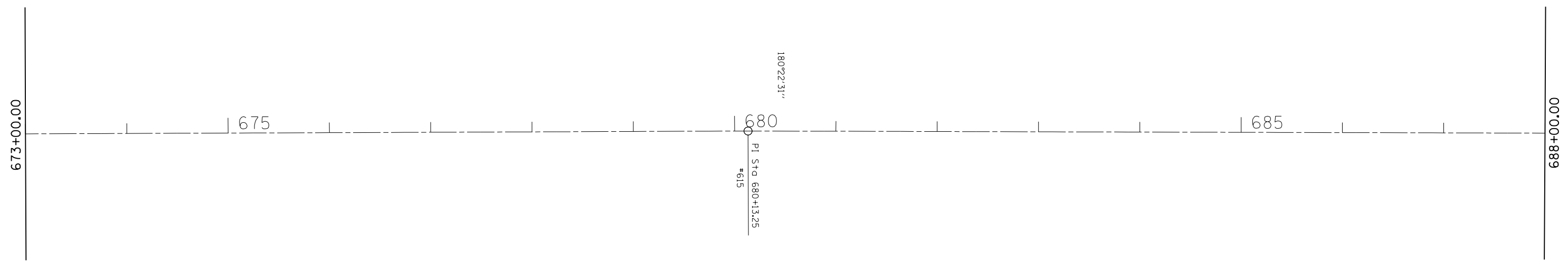
**ALIGNMENT DIAGRAM - IL 29**

SCALE: SHEET NO. 19 OF 22 SHEETS STA. 613+00.00 TO STA. 643+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
658	(O)RS-1, (C,D,E)RS-3	MENARD	53	33
ILLINOIS FED. AID PROJECT			CONTRACT NO. 72D65	



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							ILLINOIS FED. AID PROJECT					



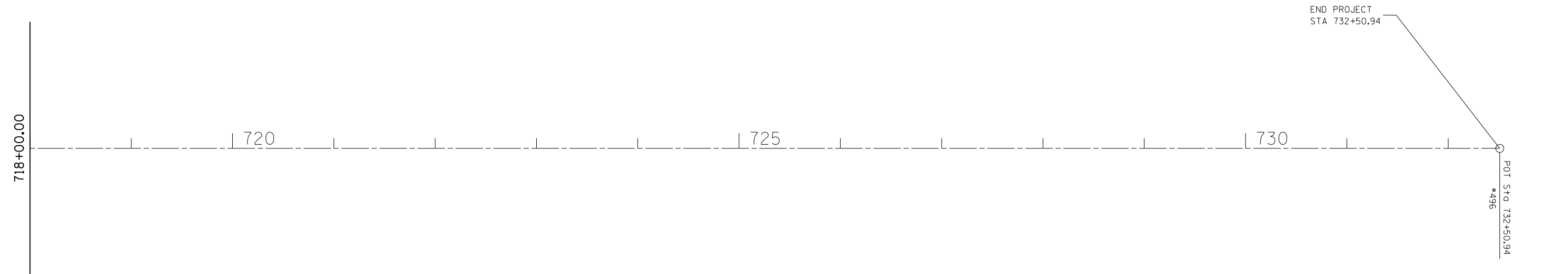
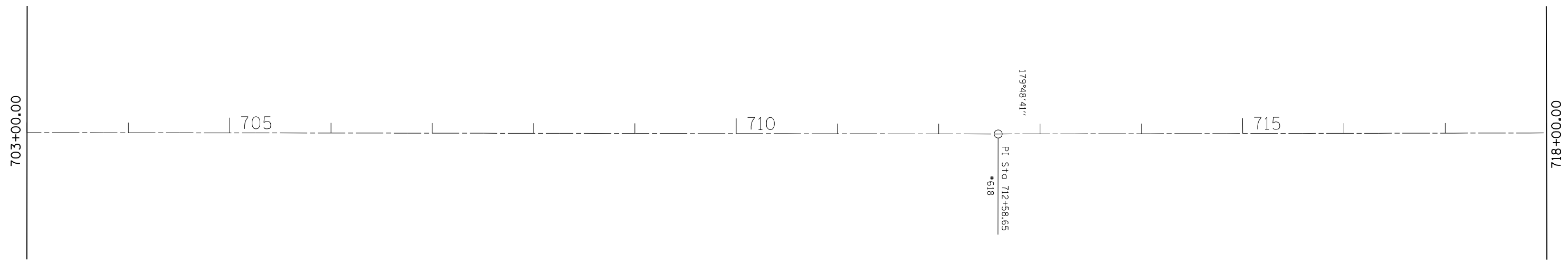
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT DIAGRAM - IL 29**

SCALE: SHEET NO. 21 OF 22 SHEETS STA. 673+00.00 TO STA. 703+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
658	(O)RS-1, (C,D,E)RS-3	MENARD	53	35
CONTRACT NO. 72D65			ILLINOIS FED. AID PROJECT	



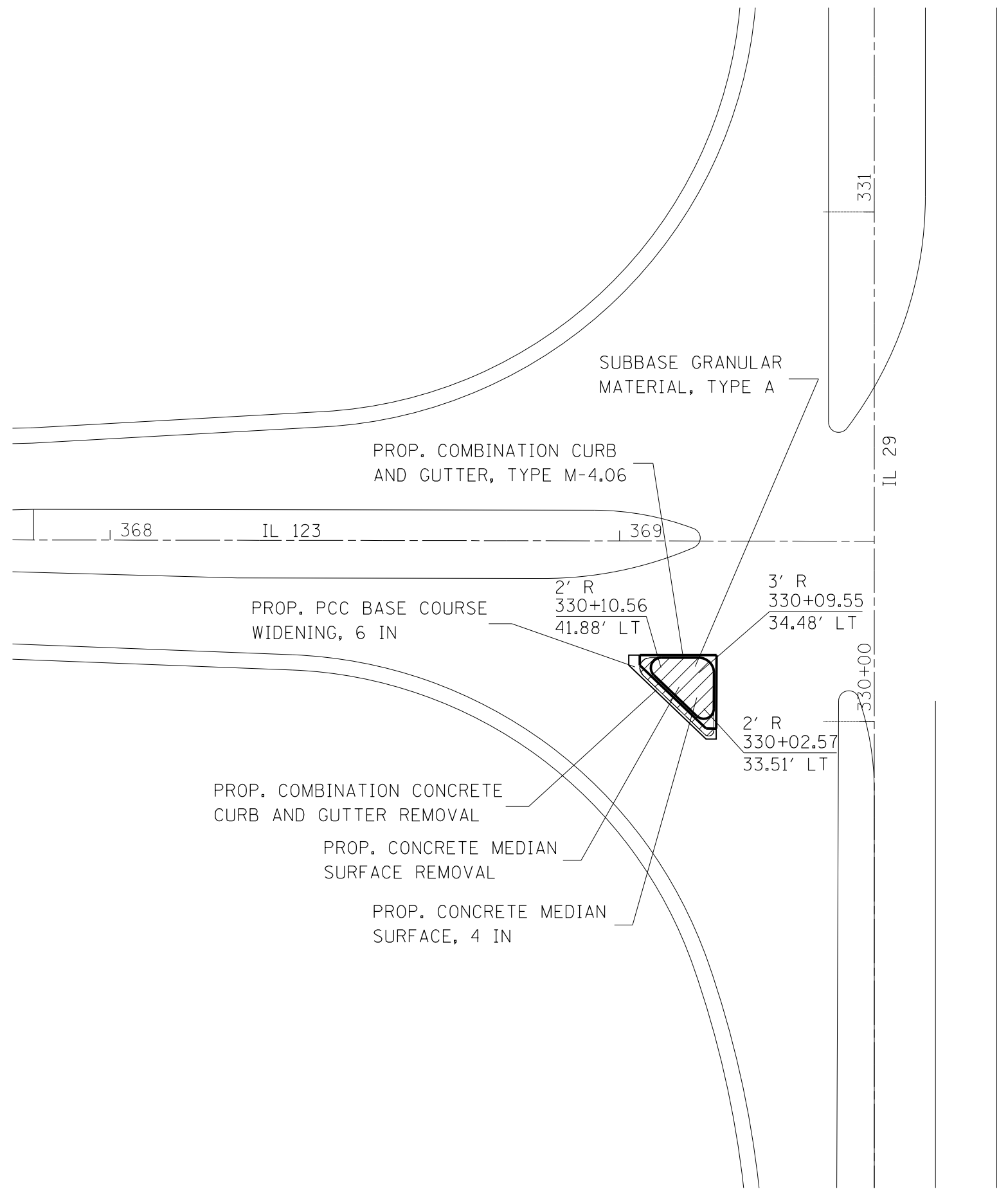
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ALIGNMENT DIAGRAM - IL 29**

SCALE: SHEET NO. 22 OF 22 SHEETS STA. 703+00.00 TO STA. 732+50.94

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
658	(O)RS-1, (C,D,E)RS-3	MENARD	53	36
CONTRACT NO. 72D65				
ILLINOIS FED. AID PROJECT				



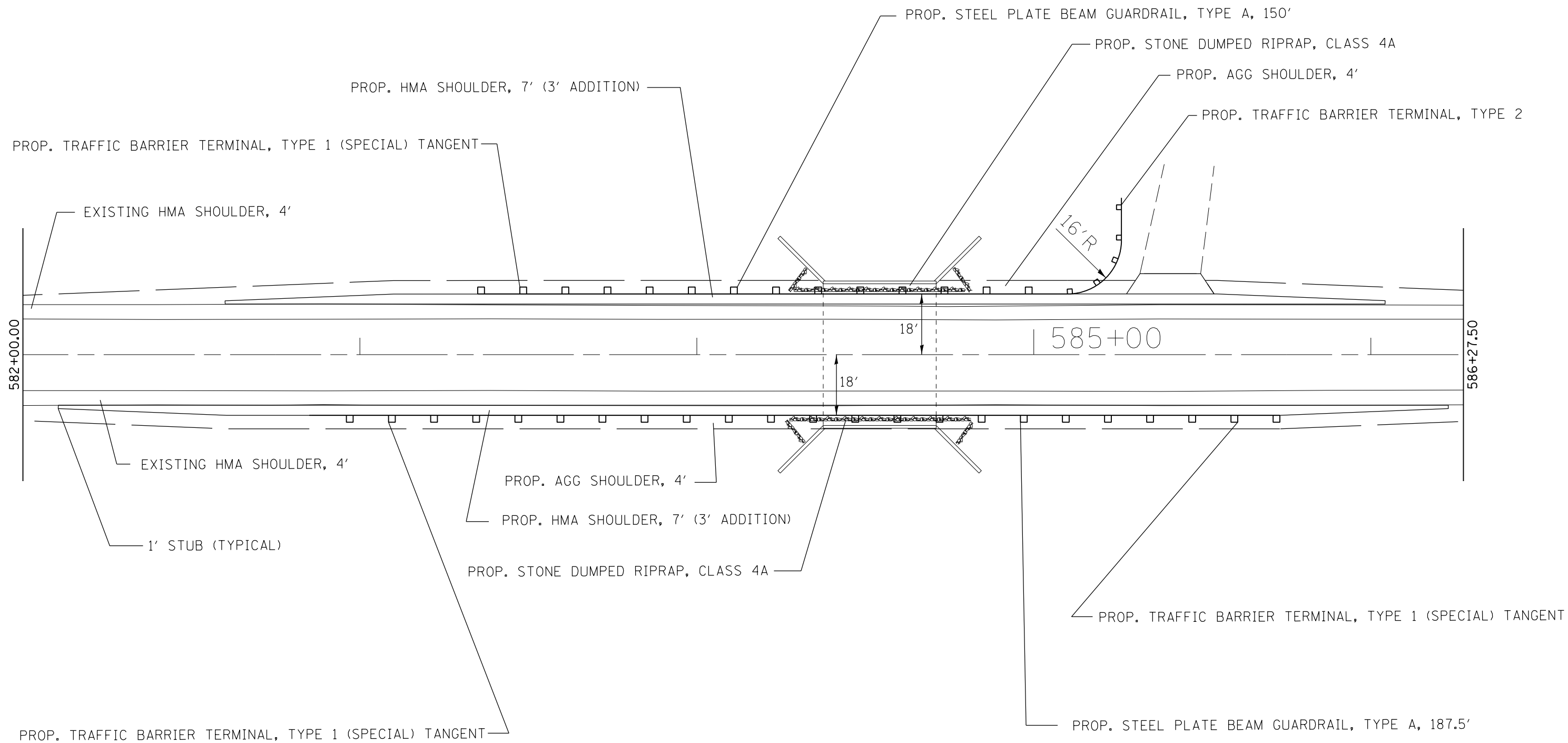
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**ISLAND CONSTRUCTION PLAN VIEW**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
658	(O)RS-1, (C,D,E)RS-3	MENARD	53	37
CONTRACT NO. 72D65			ILLINOIS FED. AID PROJECT	



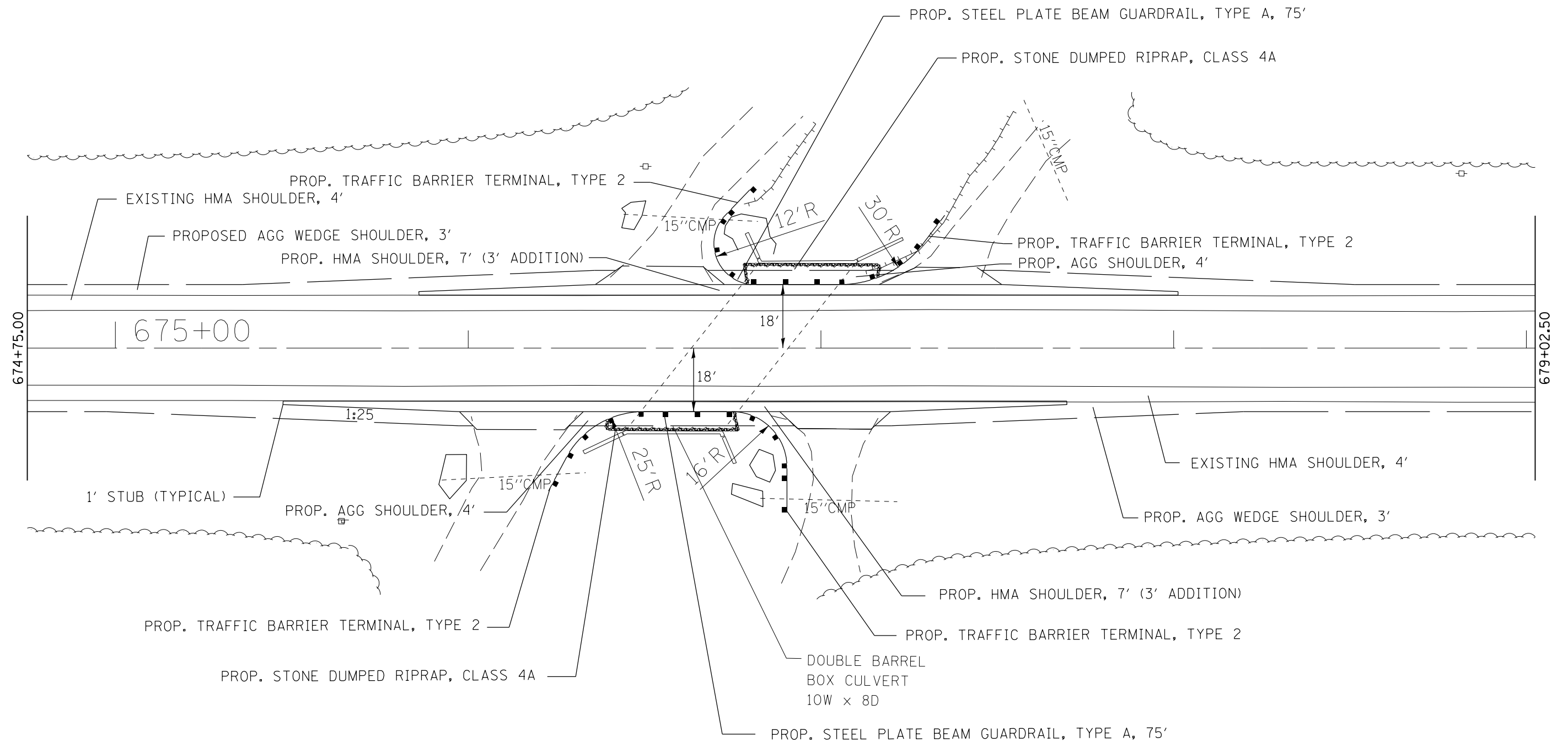
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL PLAN VIEWS**

SCALE: SHEET NO. 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
658	(O)RS-1, (C,D,E)RS-3	MENARD	53	38
CONTRACT NO. 72D65			ILLINOIS FED. AID PROJECT	



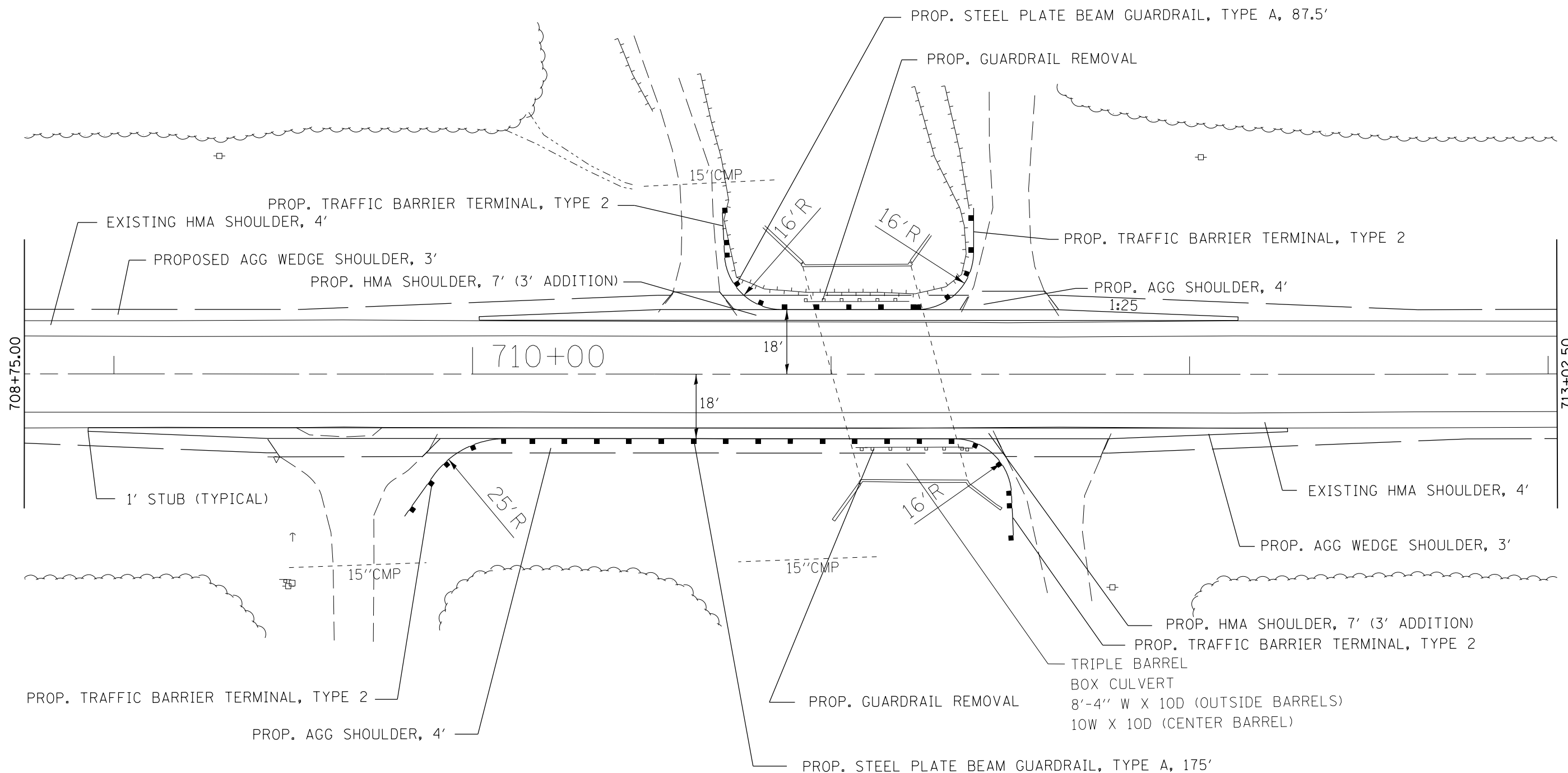
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL PLAN VIEWS**

SCALE: SHEET NO. 2 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
658	(O)RS-1, (C,D,E)RS-3	MENARD	53	39
CONTRACT NO. 72D65				
ILLINOIS FED. AID PROJECT				



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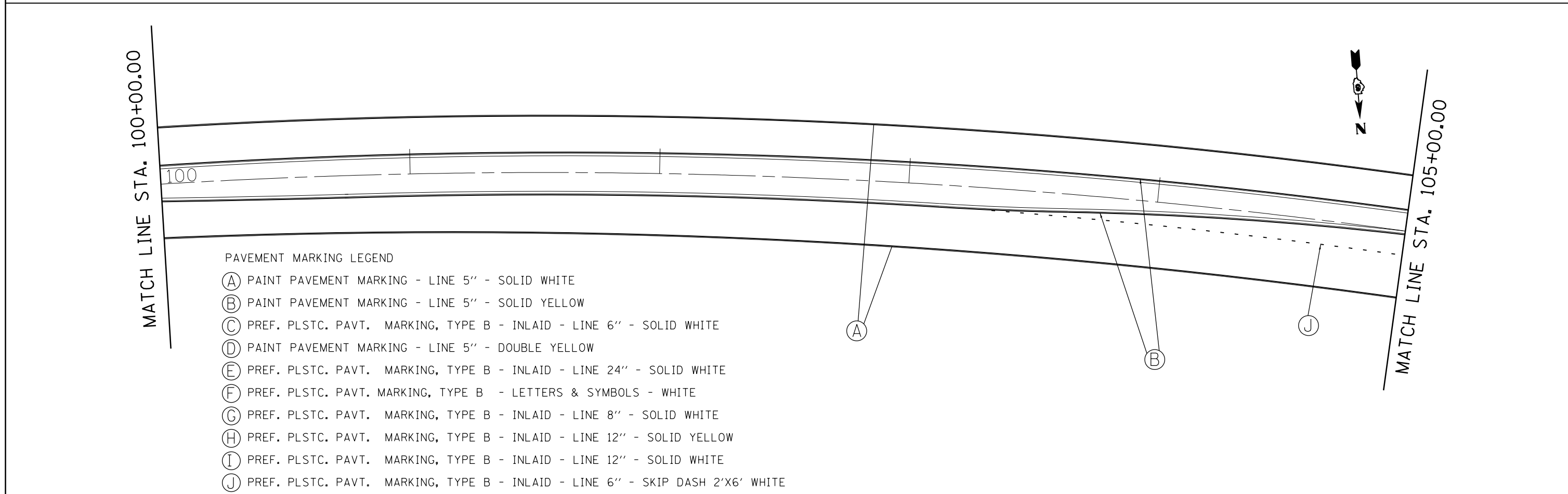
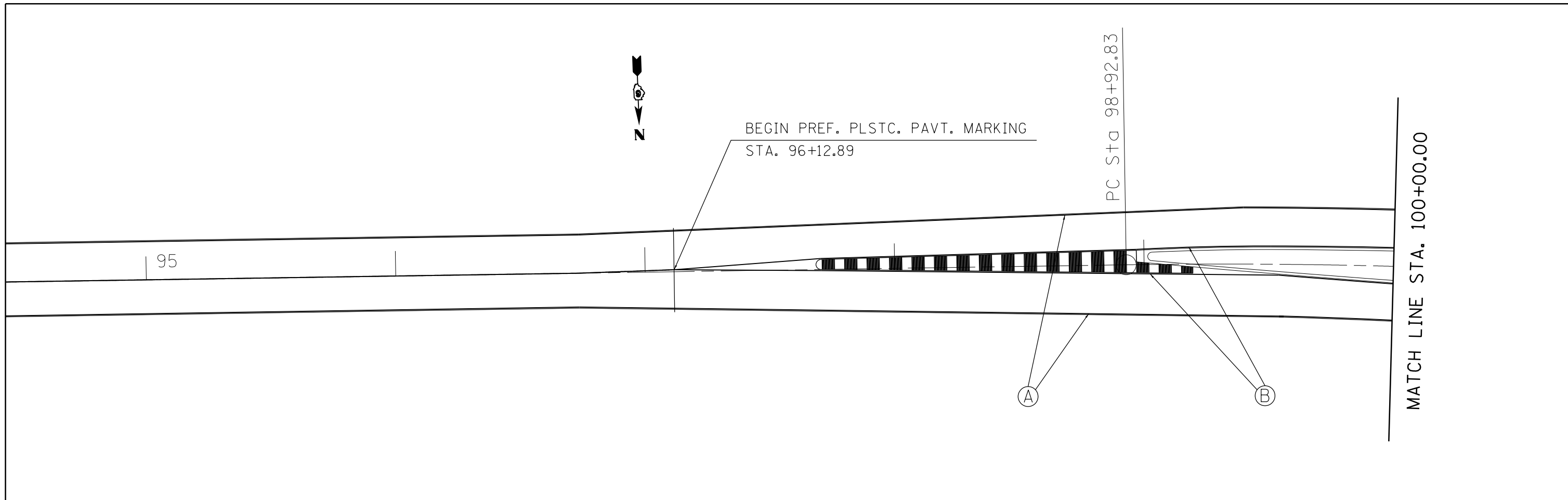
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GUARDRAIL PLAN VIEWS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
658	(O)RS-1, (C,D,E)RS-3	MENARD	53	40
CONTRACT NO. 72D65				
ILLINOIS FED. AID PROJECT				





PAVEMENT MARKING LEGEND

- (A) PAINT PAVEMENT MARKING - LINE 5" - SOLID WHITE
- (B) PAINT PAVEMENT MARKING - LINE 5" - SOLID YELLOW
- (C) PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 6" - SOLID WHITE
- (D) PAINT PAVEMENT MARKING - LINE 5" - DOUBLE YELLOW
- (E) PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 24" - SOLID WHITE
- (F) PREF. PLSTC. PAVT. MARKING, TYPE B - LETTERS & SYMBOLS - WHITE
- (G) PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 8" - SOLID WHITE
- (H) PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 12" - SOLID YELLOW
- (I) PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 12" - SOLID WHITE
- (J) PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 6" - SKIP DASH 2'X6' WHITE

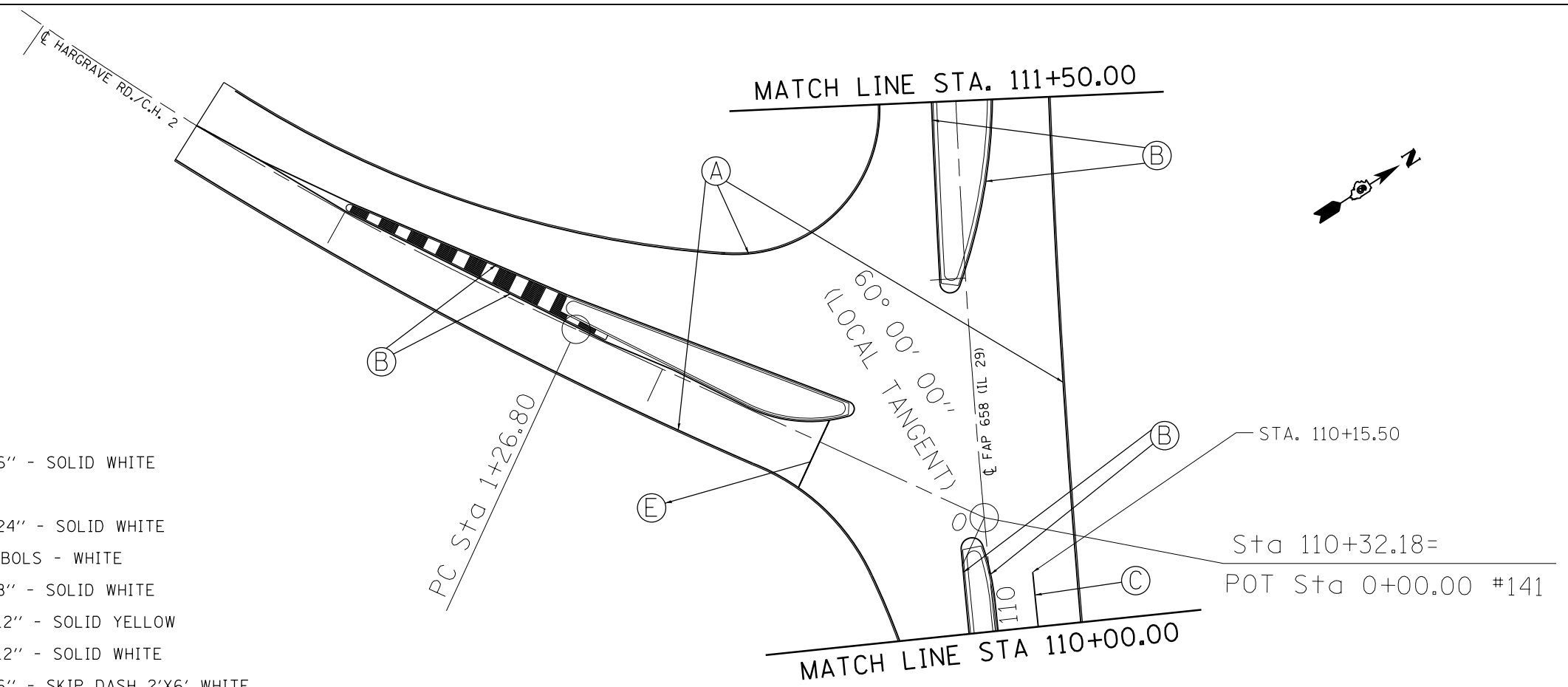
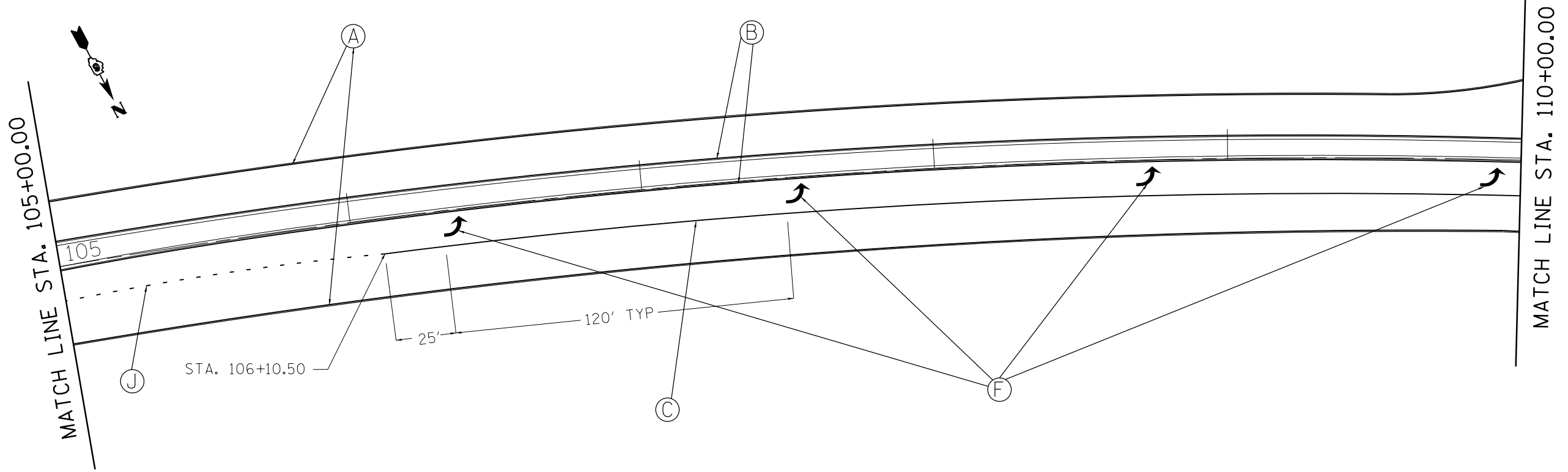
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
658	(O)RS-1(C,D,E)RS-3	MENARD	53	41
CONTRACT NO. 72D65			ILLINOIS FED. AID PROJECT	



PAVEMENT MARKING LEGEND

- (A) PAINT PAVEMENT MARKING - LINE 5" - SOLID WHITE
- (B) PAINT PAVEMENT MARKING - LINE 5" - SOLID YELLOW
- (C) PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 6" - SOLID WHITE
- (D) PAINT PAVEMENT MARKING - LINE 5" - DOUBLE YELLOW
- (E) PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 24" - SOLID WHITE
- (F) PREF. PLSTC. PAVT. MARKING, TYPE B - LETTERS & SYMBOLS - WHITE
- (G) PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 8" - SOLID WHITE
- (H) PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 12" - SOLID YELLOW
- (I) PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 12" - SOLID WHITE
- (J) PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 6" - SKIP DASH 2'X6' WHITE

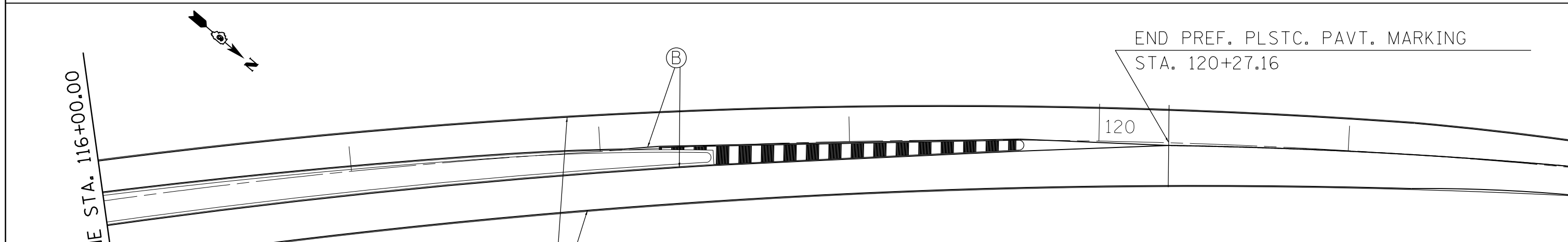
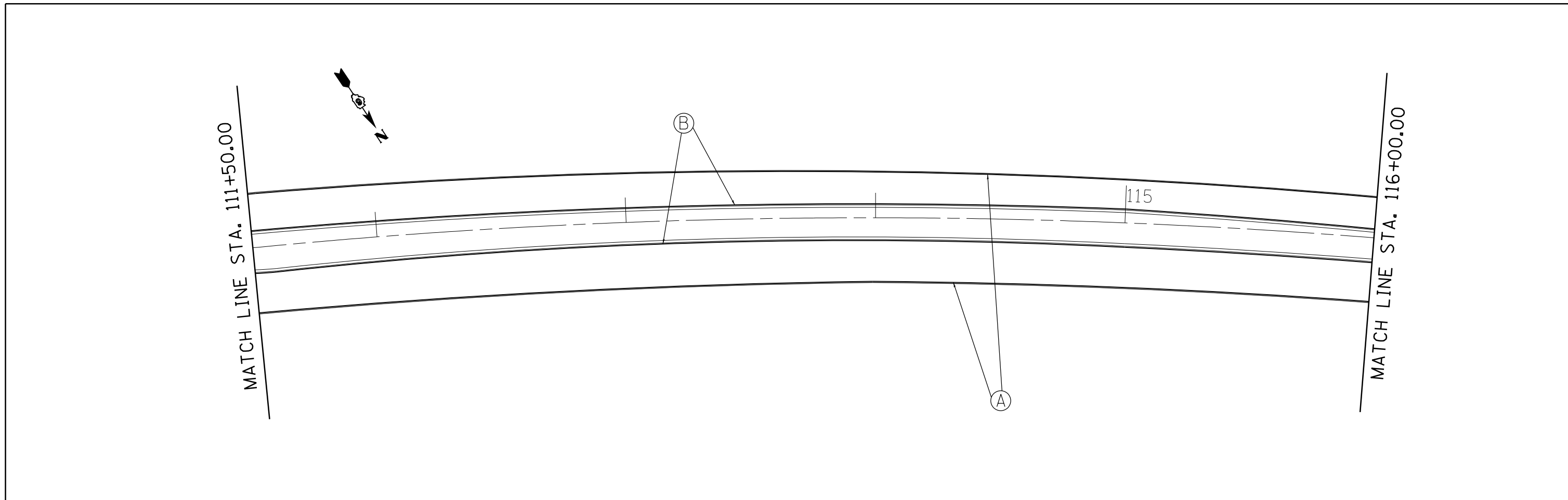
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STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

SCALE: SHEET NO. 2 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
658	(O)RS-1(C,D,E)RS-3	MENARD	53	42
CONTRACT NO. 72065				
ILLINOIS FED. AID PROJECT				



END PREF. PLSTC. PAVT. MARKING  
STA. 120+27.16

- PAVEMENT MARKING LEGEND
- (A) PAINT PAVEMENT MARKING - LINE 5" - SOLID WHITE
  - (B) PAINT PAVEMENT MARKING - LINE 5" - SOLID YELLOW
  - (C) PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 6" - SOLID WHITE
  - (D) PAINT PAVEMENT MARKING - LINE 5" - DOUBLE YELLOW
  - (E) PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 24" - SOLID WHITE
  - (F) PREF. PLSTC. PAVT. MARKING, TYPE B - LETTERS & SYMBOLS - WHITE
  - (G) PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 8" - SOLID WHITE
  - (H) PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 12" - SOLID YELLOW
  - (I) PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 12" - SOLID WHITE
  - (J) PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 6" - SKIP DASH 2'X6' WHITE

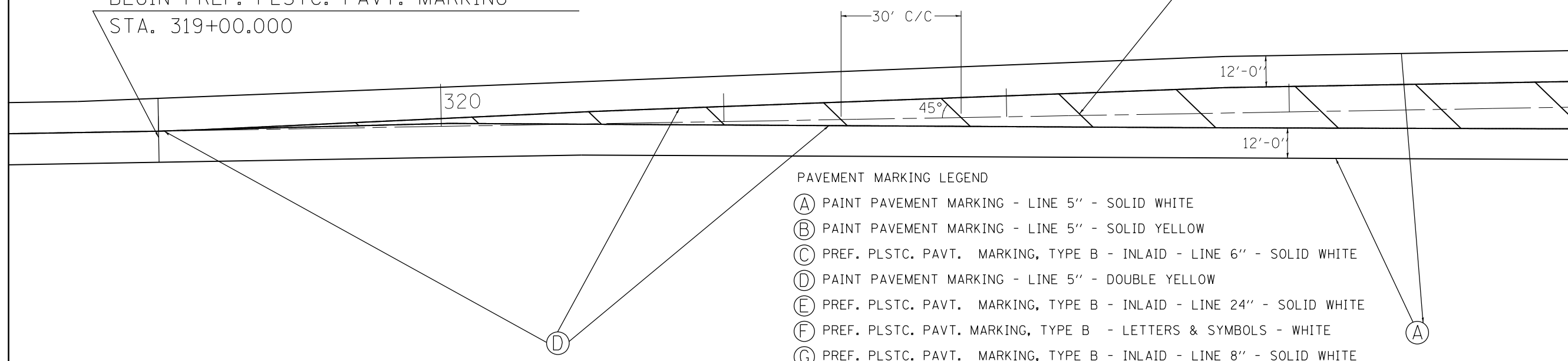
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	PLOT DATE = Feb-08-2011 11:30:06AM	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING DETAILS	
SCALE:	SHEET NO. 3 OF 7 SHEETS
STA.	TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
658	(O)RS-1(C,D,E)RS-3	MENARD	53	43
CONTRACT NO. 72D65				
ILLINOIS FED. AID PROJECT				

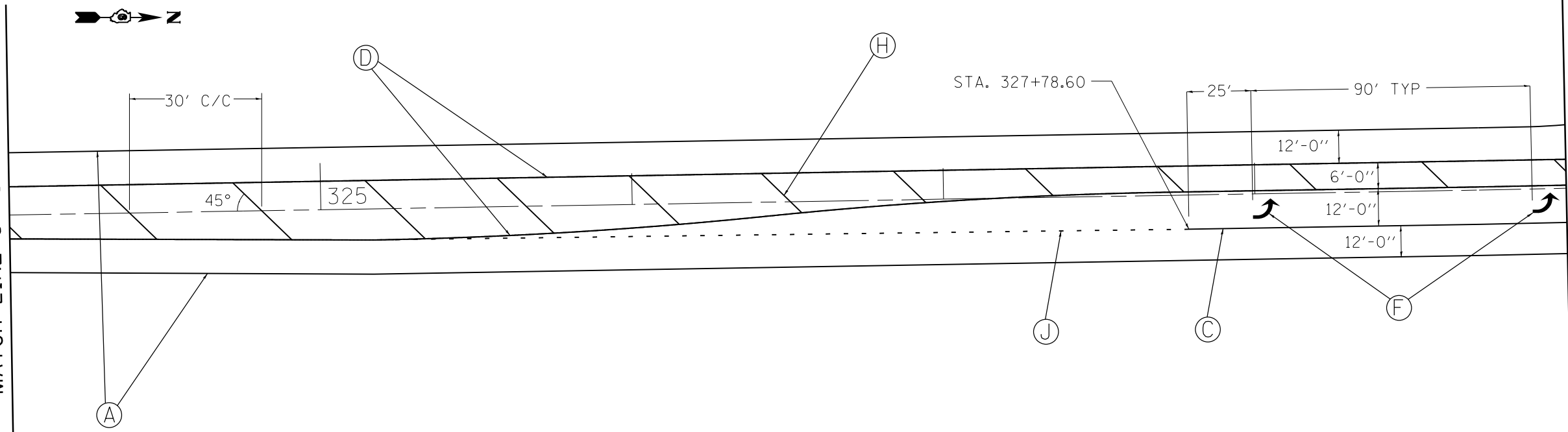
BEGIN PREF. PLSTC. PAVT. MARKING  
STA. 319+00.000



- PAVEMENT MARKING LEGEND
- (A) PAINT PAVEMENT MARKING - LINE 5" - SOLID WHITE
  - (B) PAINT PAVEMENT MARKING - LINE 5" - SOLID YELLOW
  - (C) PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 6" - SOLID WHITE
  - (D) PAINT PAVEMENT MARKING - LINE 5" - DOUBLE YELLOW
  - (E) PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 24" - SOLID WHITE
  - (F) PREF. PLSTC. PAVT. MARKING, TYPE B - LETTERS & SYMBOLS - WHITE
  - (G) PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 8" - SOLID WHITE
  - (H) PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 12" - SOLID YELLOW
  - (I) PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 12" - SOLID WHITE
  - (J) PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 6" - SKIP DASH 2'X6' WHITE

MATCH LINE STA. 324+00.00

MATCH LINE STA. 324+00.00



MATCH LINE STA. 329+00.00

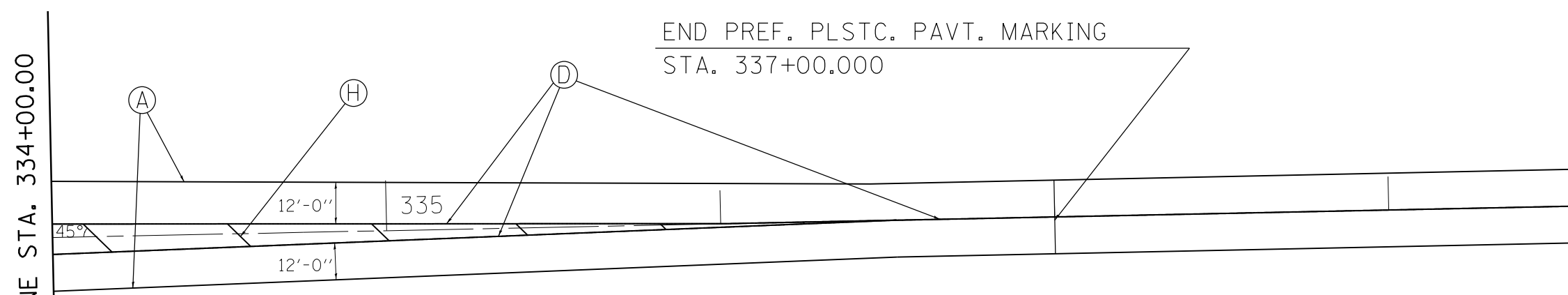
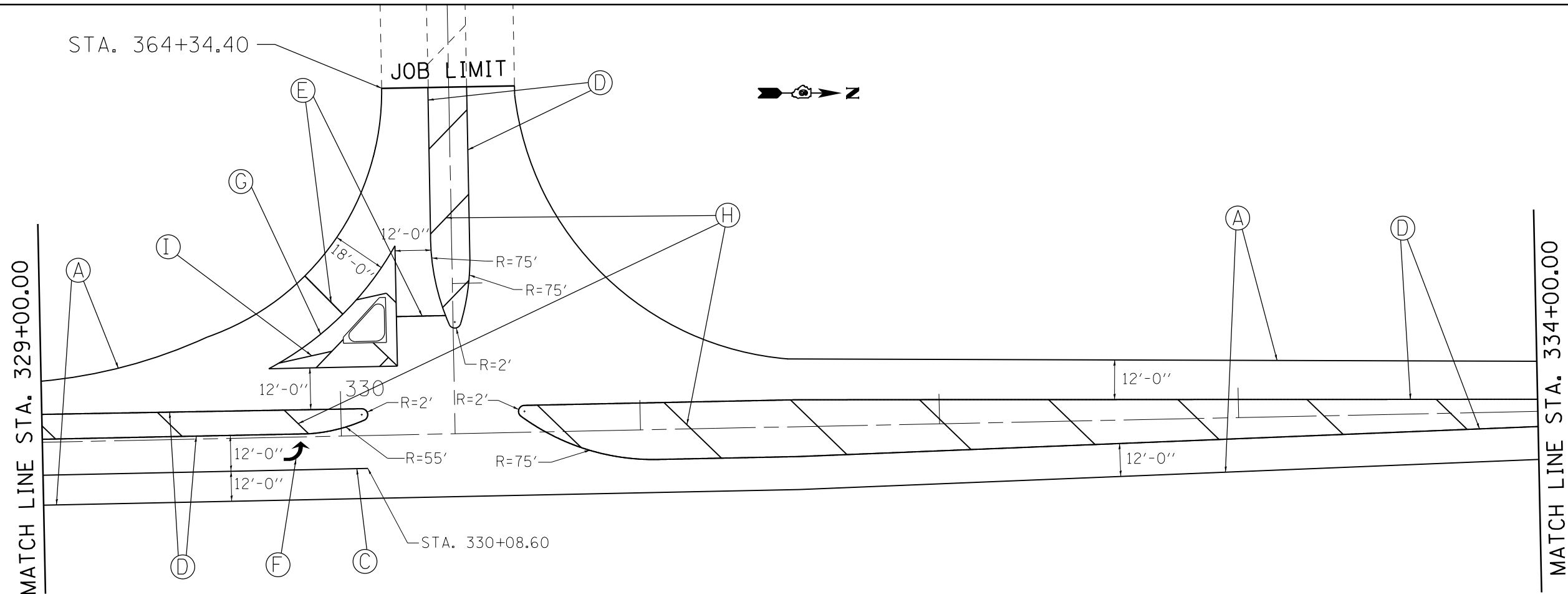
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PLOT DATE = Feb-08-2011 11:30:07AM		DATE -	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

PAVEMENT MARKING DETAILS

SCALE: SHEET NO. 4 OF 7 SHEETS STA. TO STA.

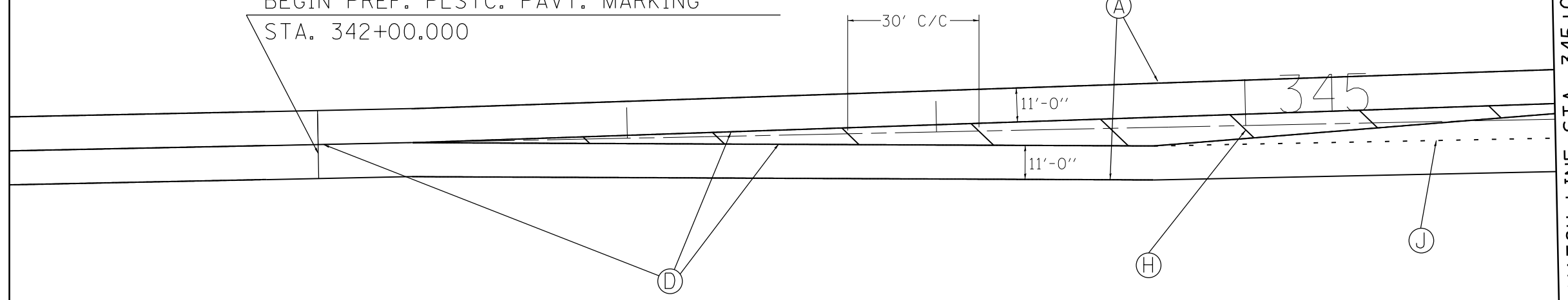
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
658	(O)RS-1;(C,D,E)RS-3	MENARD	53	44
CONTRACT NO. 72065				
ILLINOIS FED. AID PROJECT				



- PAVEMENT MARKING LEGEND
- (A) PAINT PAVEMENT MARKING - LINE 5" - SOLID WHITE
  - (B) PAINT PAVEMENT MARKING - LINE 5" - SOLID YELLOW
  - (C) PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 6" - SOLID WHITE
  - (D) PAINT PAVEMENT MARKING - LINE 5" - DOUBLE YELLOW
  - (E) PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 24" - SOLID WHITE
  - (F) PREF. PLSTC. PAVT. MARKING, TYPE B - LETTERS & SYMBOLS - WHITE
  - (G) PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 8" - SOLID WHITE
  - (H) PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 12" - SOLID YELLOW
  - (I) PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 12" - SOLID WHITE
  - (J) PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 6" - SKIP DASH 2'X6' WHITE

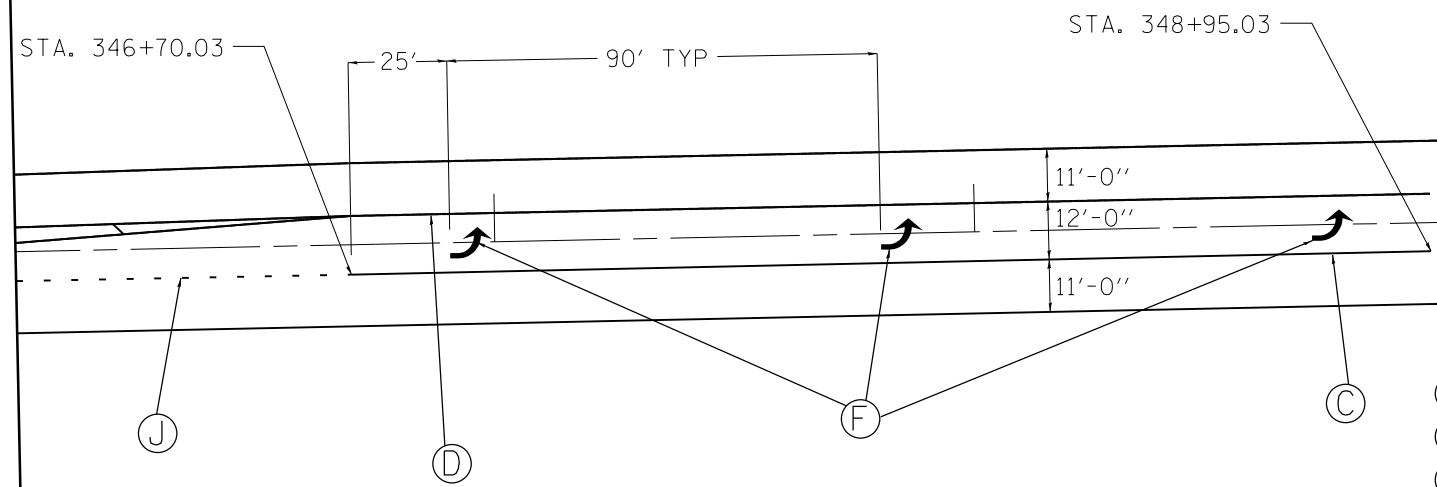
FILE NAME =	USER NAME = laughlinc1	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PAVEMENT MARKING DETAILS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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		CHECKED -	REVISED -		CONTRACT NO. 72D65								
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT								

BEGIN PREF. PLSTC. PAVT. MARKING  
STA. 342+00.000



MATCH LINE STA. 345+00.00

MATCH LINE STA. 345+00.00



MATCH LINE STA. 351+00.00

PAVEMENT MARKING LEGEND

- (A) PAINT PAVEMENT MARKING - LINE 5" - SOLID WHITE
- (B) PAINT PAVEMENT MARKING - LINE 5" - SOLID YELLOW
- (C) PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 6" - SOLID WHITE
- (D) PAINT PAVEMENT MARKING - LINE 5" - DOUBLE YELLOW
- (E) PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 24" - SOLID WHITE
- (F) PREF. PLSTC. PAVT. MARKING, TYPE B - LETTERS & SYMBOLS - WHITE
- (G) PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 8" - SOLID WHITE
- (H) PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 12" - SOLID YELLOW
- (I) PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 12" - SOLID WHITE
- (J) PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 6" - SKIP DASH 2'X6' WHITE

FILE NAME =	USER NAME = laughlinc1	DESIGNED -	REVISED -
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	PLOT DATE = Feb-08-2011 11:30:08AM	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

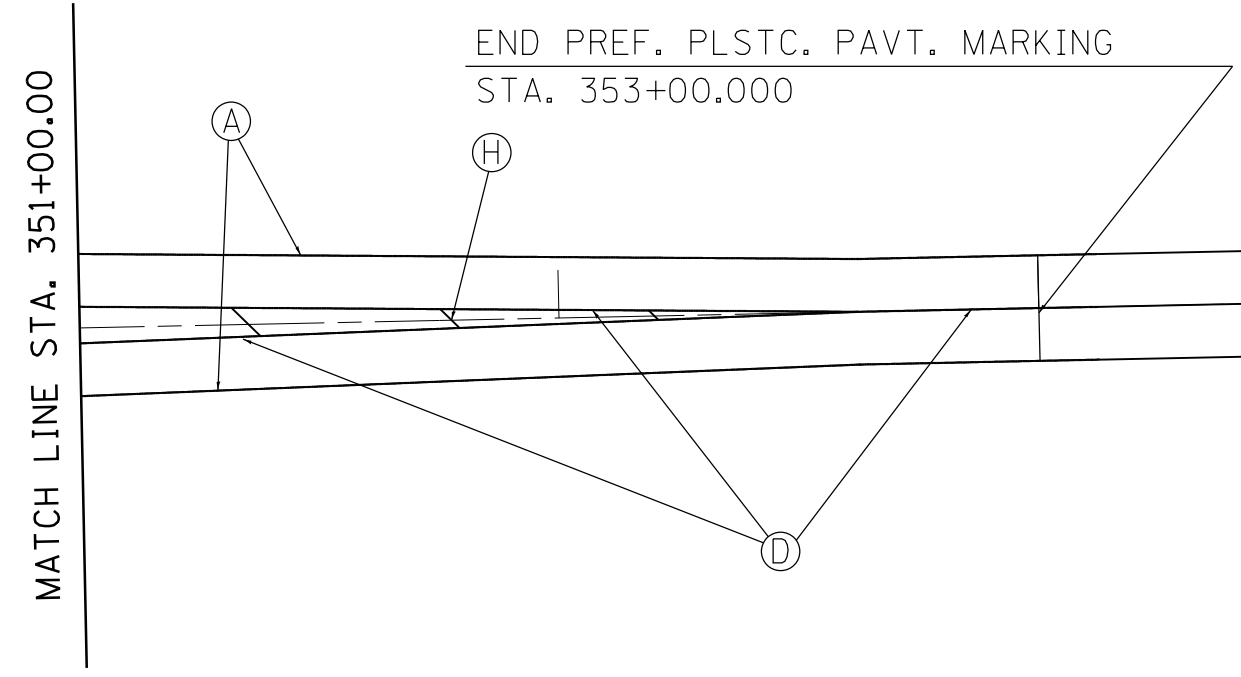
**PAVEMENT MARKING DETAILS**

SCALE: SHEET NO. 6 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
658	(0)RS-1 (C,D,E)RS-3	MENARD	53	46
CONTRACT NO. 72D65			ILLINOIS FED. AID PROJECT	

PAVEMENT MARKING LEGEND

- Ⓐ PAINT PAVEMENT MARKING - LINE 5" - SOLID WHITE
- Ⓑ PAINT PAVEMENT MARKING - LINE 5" - SOLID YELLOW
- Ⓒ PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 6" - SOLID WHITE
- Ⓓ PAINT PAVEMENT MARKING - LINE 5" - DOUBLE YELLOW
- Ⓔ PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 24" - SOLID WHITE
- Ⓕ PREF. PLSTC. PAVT. MARKING, TYPE B - LETTERS & SYMBOLS - WHITE
- Ⓖ PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 8" - SOLID WHITE
- Ⓗ PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 12" - SOLID YELLOW
- Ⓙ PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 12" - SOLID WHITE
- Ⓝ PREF. PLSTC. PAVT. MARKING, TYPE B - INLAID - LINE 6" - SKIP DASH 2'X6' WHITE



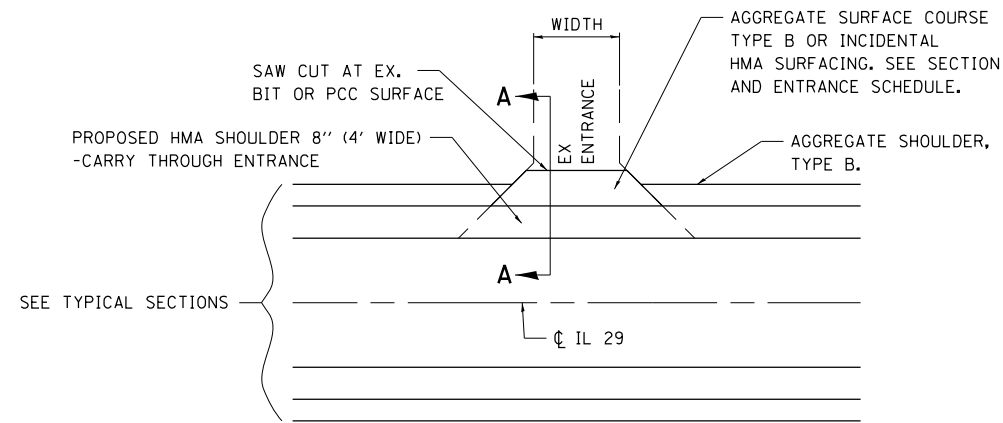
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	PLOT DATE = Feb-08-2011 11:30:08AM	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

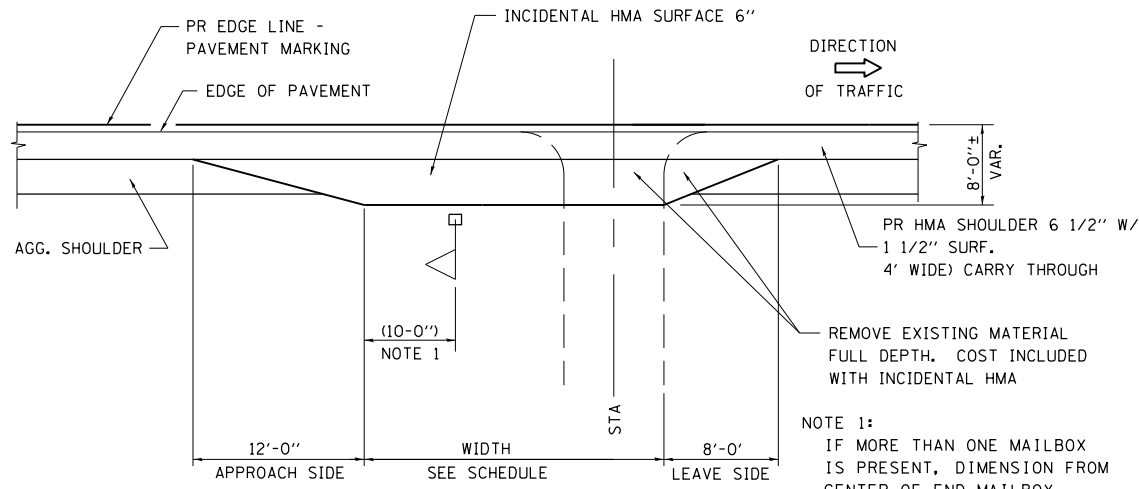
**PAVEMENT MARKING DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
658	(0)RS-1 (C,D,E)RS-3	MENARD	53	47
CONTRACT NO. 72D65			ILLINOIS FED. AID PROJECT	



**ENTRANCE DETAIL  
PLAN VIEW**



**PLAN - MAILBOX TURNOUT (WITH OR WITHOUT ENTRANCE)**

**GENERAL NOTES:**

THE RESIDENT ENGINEER WILL DETERMINE THE EXACT TYPE OF IMPROVEMENT TO BE COMPLETED FOR ALL ENTRANCES, SIDEROADS AND MAILBOX TURNOUTS ON THIS PROJECT.

THE PLAN DETAILS AND SCHEDULES SHOULD BE USED AS A GUIDE FOR THE ENGINEER TO IMPLEMENT THE FINAL DESIGN. THE ENGINEER MAY DECIDE TO SALVAGE PORTIONS OF THE EXISTING ENTRANCE PAVEMENT STRUCTURE; THEREFORE, REDUCING PAY ITEM QUANTITIES. NO ADDITIONAL PAYMENT WILL BE ALLOWED FOR THIS REDUCTION IN QUANTITIES.

ANY WORK THE ENGINEER REQUIRES WHICH IS NOT COVERED BY A PAY ITEM CONTAINED IN THE PLANS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

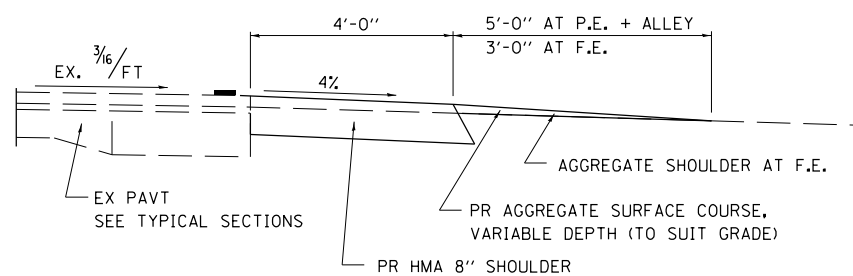
BITUMINOUS CONCRETE REQUIRED TO CONSTRUCT THE ENTRANCES SHALL BE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 406 AND 408 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER.

WHEN THE BITUMINOUS CONCRETE PROPOSED FOR THE IMPROVEMENT IS THICKER THAN 75 mm (3 INCHES) AND REQUIRE PLACEMENT IN MORE THAN ONE LIFT, THE BOTTOM LIFT(S) SHALL MEET THE REQUIREMENTS OF BITUMINOUS BASE COURSE IN SECTION 406 OF THE STANDARD SPECIFICATIONS AND THE TOP LIFT OF 50 mm (2 INCHES) SHALL MEET THE REQUIREMENTS OF BITUMINOUS CONCRETE SURFACE COURSE, SUPERPAVE.

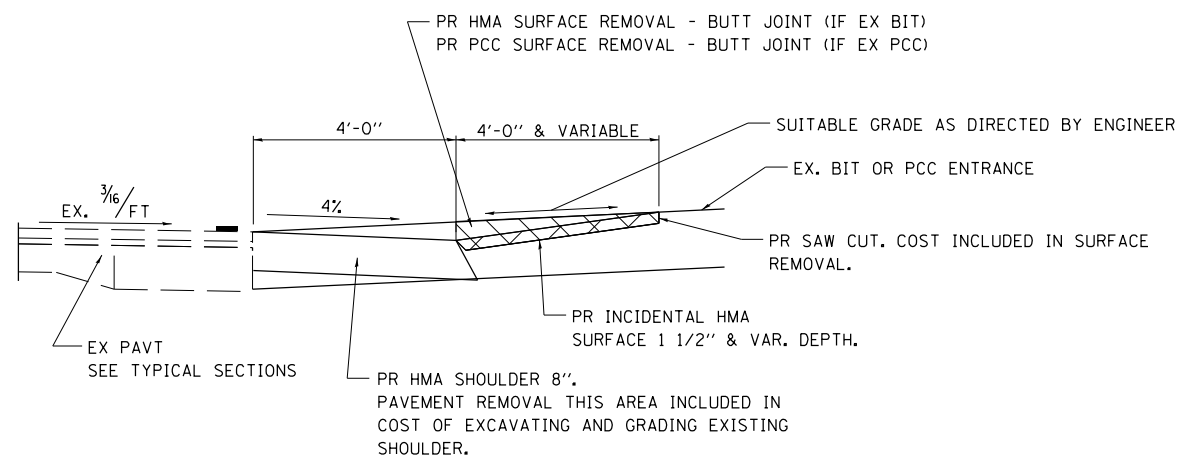
THIS WORK WILL BE PAID FOR IN ACCORDANCE WITH SECTIONS 351, 406, 408, AND 440 OF THE STANDARD SPECIFICATIONS.

PREPARATION OF BASE SHALL BE INCLUDED IN THE COST OF INCIDENTAL HMA SURFACE.

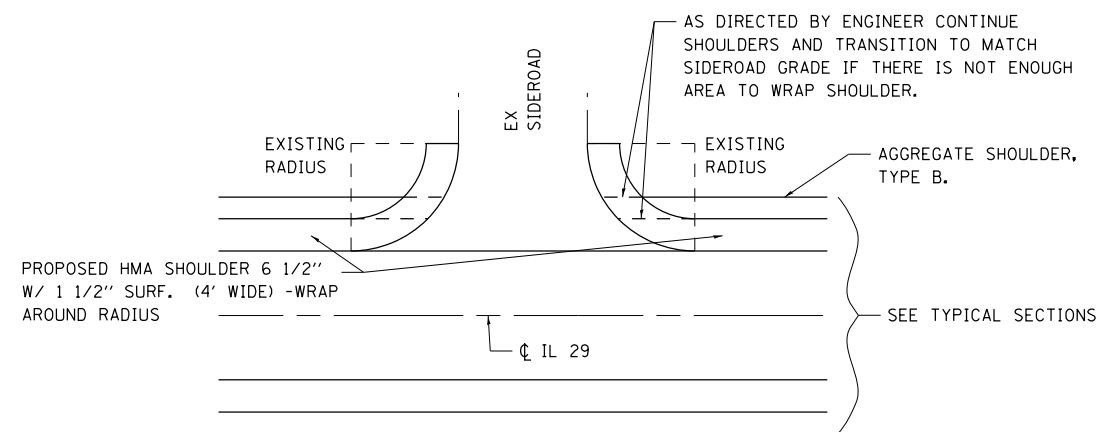
ALL DIMENSIONS ARE IN FEET-INCHES UNLESS OTHERWISE SHOWN.



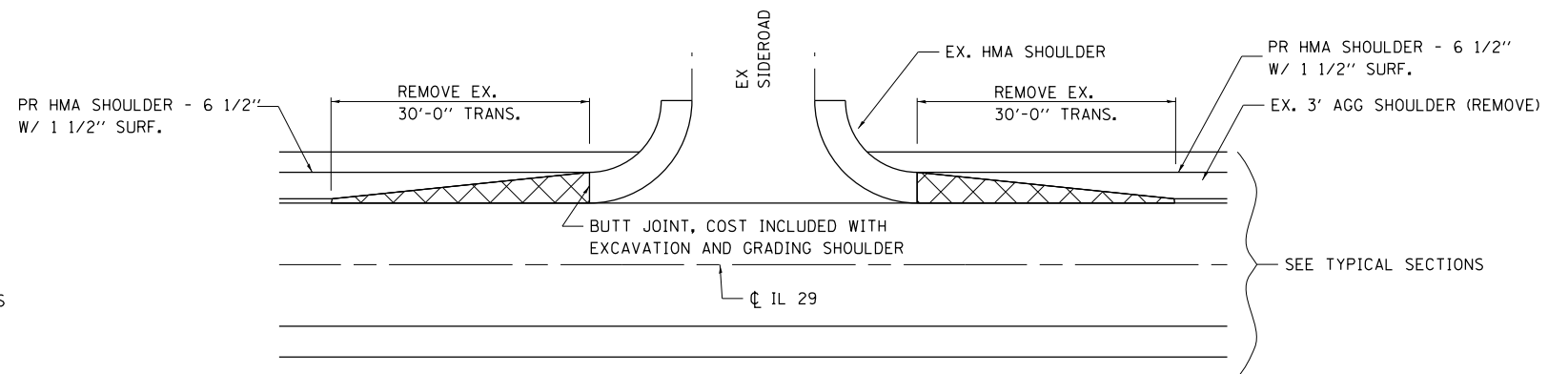
**SECTION A-A FOR EX AGGREGATE ENTRANCES**



**SECTION A-A AT EX BIT OR PCC ENTRANCE**



**SIDEROAD DETAIL  
PLAN VIEW**



**SIDEROADS WITH EXISTING SHOULDER RADII**

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	PLOT DATE = Feb-08-2011 11:30:15AM	DATE - 3-26-10	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**DETAILS FOR RURAL/URBAN ENT., MAILBOX  
TURNOUT & SIDEROADS**

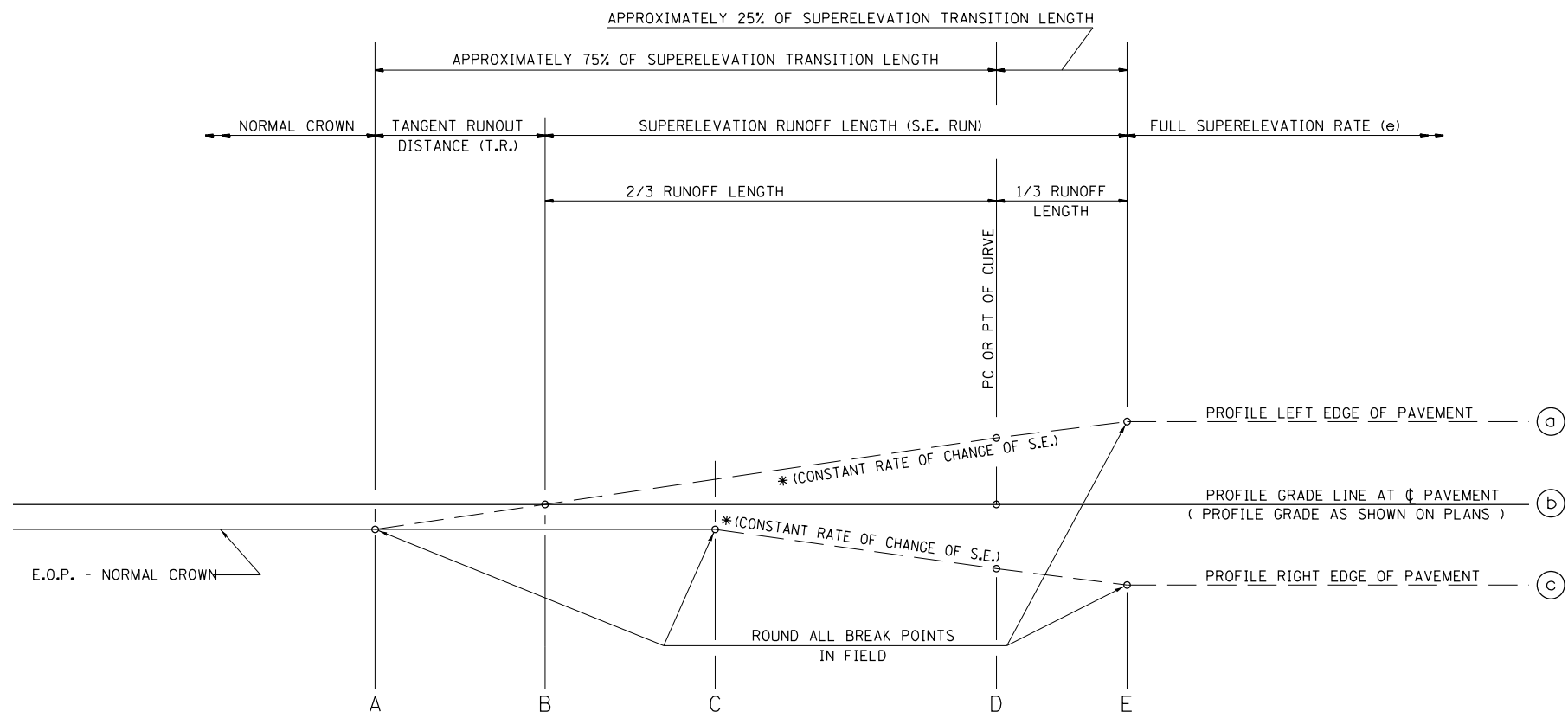
SCALE: SHEET NO. 1 OF 3 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
658	(O)RS-1, (C,D,E)RS-3	MENARD	53	48
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 72D65	



ENTRANCE IMPROVEMENT SCHEDULE																	
LOCATION	TYPE OF ENTRANCE	EX MATERIAL TYPE	WIDTH	RT OFFSET	LT OFFSET	LENGTH (FROM EDGE OF PVT/HMA SHLD TO LIMITS OF IMPROVEMENT)	PR HMA CONC. THICKNESS	HMA SURFACE REM. - BUTT JOINT	PCC SURFACE REM. - BUTT JOINT	PREP OF BASE	AGG. BASE REPAIR	AGGREGATE SURFACE COURSE TY - B	BIT (P. C.)	AGG (P. C.)	INCIDENTAL HMA SURF. (1 1/2")	P. C. C. DRIVEWAY PAVEMENT 6"	P. C. C. DRIVEWAY PAVEMENT 8"
(LT / RT) (STA) ( + )	(FE / PE / CE / MB) - (RURAL / URBAN)	(EARTH / AGG. / BIT. / P. C. C.)	FOOT	FOOT	FOOT	FOOT	INCH	SQ. YD.	SQ. YD.	SQ. YD.	TON	TON	TON	TON	TON	SQ. YD.	SQ. YD.
FAP 658 (IL 29)																	
LT 93+90.67	PE - RURAL	AGG	12			9						2.1					
RT 94+37.95	CE - RURAL	PCC	60			8			26.7								26.7
LT 94+73.00	FE - RURAL	AGG	12			7											
LT 119+46.00	FE - RURAL	AGG	12			7											
RT 120+31.00	FE - RURAL	AGG	12			7											
RT140+79.00	PE - RURAL	AGG	12			9						2.1					
LT 142+15.60	SR - RURAL	BIT	145			8	1.5	64.4				0.1	0.2	5.5			
RT 143+96.00	CE - RURAL	BIT	100			8	1.5	44.4				0.1	0.1	3.8			
LT 144+09.70	PE - RURAL	AGG	12			9						2.1					
LT 145+77.50	CE - RURAL	AGG	50			8						7.6					
RT 151+30.00	CE - RURAL	AGG	50			8						7.6					
RT 158+67.00	FE - RURAL	EARTH	12			7											
LT 158+77.00	FE - RURAL	EARTH	12			7											
LT 165+71.86	SR - RURAL	BIT	60			8	1.5	26.7				0.1	0.1	2.3			
RT 166+01.89	SR - RURAL	BIT	60			8	1.5	26.7				0.1	0.1	2.3			
RT 171+34.00	FE - RURAL	EARTH	12			7											
LT 189+81.00	FE - RURAL	EARTH	12			7											
RT 194+14.00	PE - RURAL	AGG	12			9						2.1					
LT 194+14.00	FE - RURAL	EARTH	12			7											
RT 219+86.40	SR - RURAL	BIT	60			8	1.5	26.7				0.1	0.1	2.3			
LT 220+85.06	SR - RURAL	BIT	60			8	1.5	26.7				0.1	0.1	2.3			
LT 225+43.00	PE - RURAL	AGG	12			9						2.1					
LT 234+19.00	FE - RURAL	EARTH	12			7											
RT 244+35.00	PE - RURAL	AGG	12			9						2.1					
LT 246+55.00	FE - RURAL	EARTH	12			7											
RT 248+17.00	PE - RURAL	AGG	12			9						2.1					
RT 259+08.00	PE - RURAL	BIT	12			9	1.5	6.7				0.1	0.1	0.6			
LT 260+44.00	PE - RURAL	BIT	12			9	1.5	6.7				0.1	0.1	0.6			
RT 266+90.00	FE - RURAL	EARTH	12			7											
LT 267+16.00	PE - RURAL	AGG	12			9						2.1					
RT 276+34.35	SR - RURAL	BIT	180			8	1.5	80.0				0.1	0.2	6.8			
LT 276+37.62	SR - RURAL	BIT	75			8	1.5	33.3				0.1	0.1	2.8			
RT 278+64.00	PE - RURAL	AGG	12			9						2.1					
LT 278+64.00	PE - RURAL	AGG	12			9						2.1					
LT 280+82.00	FE - RURAL	EARTH	12			7											
RT 280+87.00	FE - RURAL	EARTH	12			7											
LT 287+92.00	FE - RURAL	EARTH	12			7											
RT 304+50.00	FE - RURAL	EARTH	12			7											
RT 330+20.00	FE - RURAL	AGG	12			7											
RT 338+85.30	FE - RURAL	AGG	12			7											
LT 340+45.20	FE - RURAL	EARTH	12			7											
RT 340+96.00	PE - RURAL	AGG	12			9						2.1					
LT 343+54.00	FE - RURAL	EARTH	12			7											
LT 349+13.67	CE - RURAL	PCC	115			8			51.1								51.2
RT 356+97.11	FE - RURAL	AGG	12			7											
RT 383+18.50	FE - RURAL	EARTH	12			7											
RT 384+61.69	SR - RURAL	BIT	50			8	1.5	22.2				0.1	0.1	1.9			
LT 384+61.69	SR - RURAL	BIT	100			8	1.5	44.4				0.1	0.1	3.8			
LT 397+93.00	PE - RURAL	AGG	12			9						2.1					
LT 412+26.00	FE - RURAL	EARTH	12			7											
RT 412+31.25	MB - RURAL	AGG	12			8						1.8					
RT 421+58.00	MB - RURAL	AGG	12			8						1.8					
LT 434+80.00	PE - RURAL	AGG	12			9						2.1					
LT 438+98.33	SR - RURAL	BIT	75			8	1.5	33.3				0.1	0.1	2.8			
RT 438+98.33	SR - RURAL	BIT	75			8	1.5	33.3				0.1	0.1	2.8			
LT 445+85.00	FE - RURAL	EARTH	12			7											
RT 445+85.00	FE - RURAL	EARTH	12			7											
RT 467+13.00	FE - RURAL	AGG	12			7											
LT 467+46.50	FE - RURAL	EARTH	12			7											
RT 477+39.98	PE - RURAL	BIT	60			9	1.5	33.3				0.1	0.1	2.8			
LT 477+65.28	SR - RURAL	AGG	35			8						5.3					

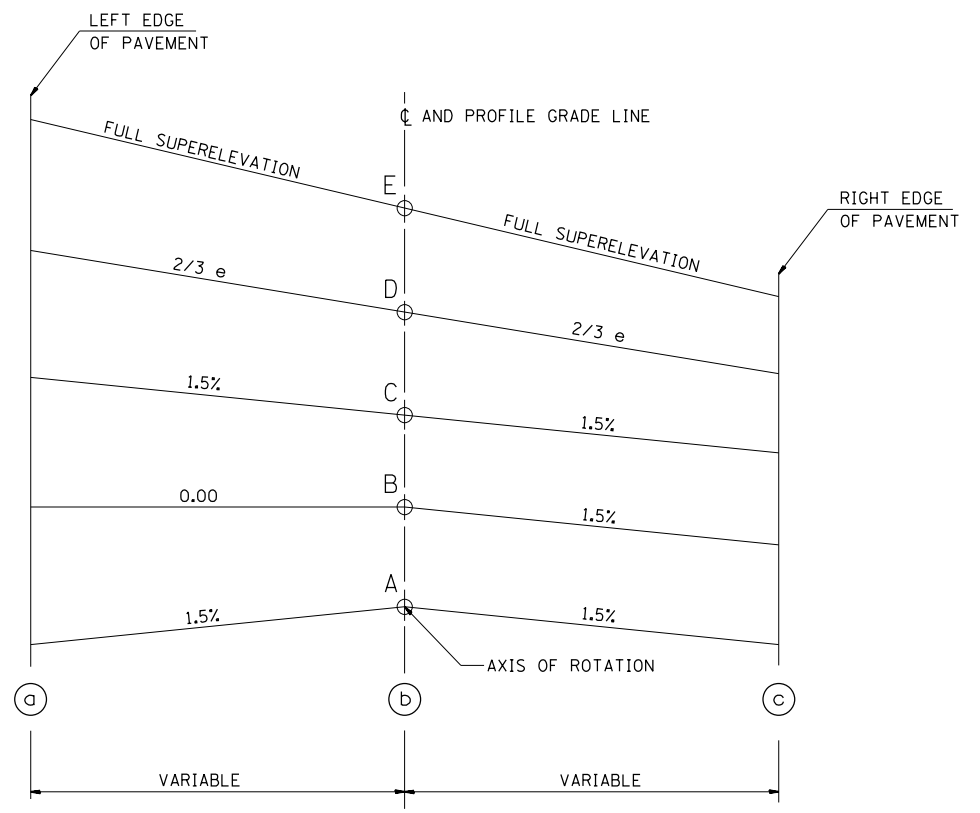
ENTRANCE IMPROVEMENT SCHEDULE																	
LOCATION	TYPE OF ENTRANCE	EX MATERIAL TYPE	WIDTH	RT OFFSET	LT OFFSET	LENGTH (FROM EDGE OF PVT/HMA SHLD TO LIMITS OF IMPROVEMENT)	PR HMA CONC. THICKNESS	HMA SURFACE REM. - BUTT JOINT	PCC SURFACE REM. - BUTT JOINT	PREP OF BASE	AGG. BASE REPAIR	AGGREGATE SURFACE COURSE TY - B	BIT (P. C.)	AGG (P. C.)	INCIDENTAL HMA SURF. (1 1/2")	P. C. C. DRIVEWAY PAVEMENT 6"	P. C. C. DRIVEWAY PAVEMENT 8"
(LT / RT) (STA) ( + )	(FE / PE / CE / MB) - (RURAL / URBAN)	(EARTH / AGG. / BIT. / P. C. C.)	FOOT	FOOT	FOOT	FOOT	INCH	SQ. YD.	SQ. YD.	SQ. YD.	TON	TON	TON	TON	TON	SQ. YD.	SQ. YD.
RT 490+80.00	FE - RURAL	AGG	12			7											
LT 496+18.91	SR - RURAL	BIT	115			8	1.5	51.1					0.1	0.2	4.3		
LT 503+34.00	MB - RURAL	BIT	30			8	1.5	13.3					0.1	0.1	1.2		
RT 508+66.00	FE - RURAL	EARTH	12			7											
LT 515+00.00	FE - RURAL	AGG	12			7											
RT 517+48.00	PE - RURAL	AGG	12			9						2.1					
RT 524+04.46	SR - RURAL	BIT	75			8	1.5	33.3					0.1	0.1	2.8		
LT 533+13.18	FE - RURAL	AGG	12			7											
RT 533+13.18	FE - RURAL	AGG	12			7											
RT 535+86.00	PE - RURAL	AGG	12			9						2.1					
RT 538+46.75	FE - RURAL	EARTH	12			7											
LT 542+28.00	FE - RURAL	EARTH	12			7											
LT 548+32.00	FE - RURAL	EARTH	12			7											
RT 550+68.00	PE - RURAL	AGG	12			9						2.1					
LT 551+00.00	MB - RURAL	AGG	12			8						1.8					
RT 556+66.00	CE - RURAL	AGG	35			8						5.3					
LT 559+48.00	MB - RURAL	AGG	12			8						1.8					
RT 559+87.50	PE - RURAL	AGG	12			9						2.1					
LT 560+46.00	PE - RURAL	BIT	50			9	1.5	27.8					0.1	0.1	2.4		
RT 563+20.00	SR - RURAL	BIT	25			8	1.5	11.1					0.1	0.1	1.0		
LT 566+49.18	SR - RURAL	BIT	70			8	1.5	31.1					0.1	0.1	2.7		
RT 566+49.18	SR - RURAL	BIT	40			8	1.5	17.8					0.1	0.1	1.5		
RT 569+84.30	MB - RURAL	AGG	12			8						1.8					
LT 570+09.57	SR - RURAL	BIT	70			8	1.5	31.1					0.1	0.1	2.7		
RT 571+88.60	MB - RURAL	AGG	12			8						1.8					
LT 571+93.00	MB - RURAL	AGG	12			8						1.8					
RT 572+54.85	PE - RURAL	AGG	12			9						2.1					
LT 573+80.70	SR - RURAL	BIT	70			8	1.5	31.1					0.1	0.1	2.7		
RT 574+62.00	CE - RURAL	AGG	12			8						1.8					
LT 575+00.00	CE - RURAL	PCC	30			8			13.3								13.4
RT 577+29.45	SR - RURAL	BIT	70			8	1.5	31.1					0.1	0.1	2.7		
LT 577+49.49	SR - RURAL	BIT	60			8	1.5	26.7					0.1	0.1	2.3		
RT 577+98.30	CE - RURAL	PCC	50			8			22.2								22.3
RT 578+57.80	CE - RURAL	PCC	20			8			8.9								8.9
LT 578+60.00	CE - RURAL	AGG	30			8						4.6					
LT 579+37.80	CE - RURAL	AGG	15			8						2.3					
LT 581+19.20	SR - RURAL	BIT	60			8	1.5	26.7					0.1	0.1	2.3		
LT 582+75.50	PE - RURAL	AGG	12			9						2.1					
LT 585+39.00	PE - RURAL	AGG	12			9						2.1					
LT 586+69.00	PE - RURAL	AGG	12			9						2.1					
LT 596+83.40	PE - RURAL	AGG	12			9						2.1					
LT 609+56.40	MB - RURAL	AGG	12			8						1.8					
RT 610+01.70	PE - RURAL	AGG	12			9						2.1					
RT 621+58.00	PE - RURAL	AGG	12			9						2.1					
LT 62+79.00	MB - RURAL	AGG	12			8						1.8					
RT 622+78.00	FE - RURAL	AGG	12			7											
RT 626+73.00	CE - RURAL	BIT	75			8	1.5	33.3					0.1	0.1	2.8		
RT 630+43.00	FE - RURAL	AGG	12			7											
LT 656+79.66	SR - RURAL	BIT	60			8	1.5	26.7					0.1	0.1	2.3		
RT 656+79.66	SR - RURAL	BIT	75			8	1.5	33.3					0.1	0.1	2.8		
RT 670+11.00	PE - RURAL	AGG	12			9						2.1					
RT 674+99.00	FE - RURAL	AGG	12			7											
LT 683+26.75	FE - RURAL	AGG	12			7											
LT 699+43.00	MB - RURAL	AGG	12			8						1.8					
RT 699+70.00	FE - RURAL	AGG	12			7											
LT 700+60.00	PE - RURAL	AGG	12			9						2.1					
LT 702+80.00	FE - RURAL	AGG	12			7											
RT 709+69.00	PE - RURAL	AGG	12			9						2.1					
LT 711+46.00	FE - RURAL	AGG	12			7											
TOTAL =								934.4	122.2	0.0	0.0	108.0	3.0	3.3	79.9	0.0	122.5



SEE PLANS FOR CURVE DATA INFORMATION

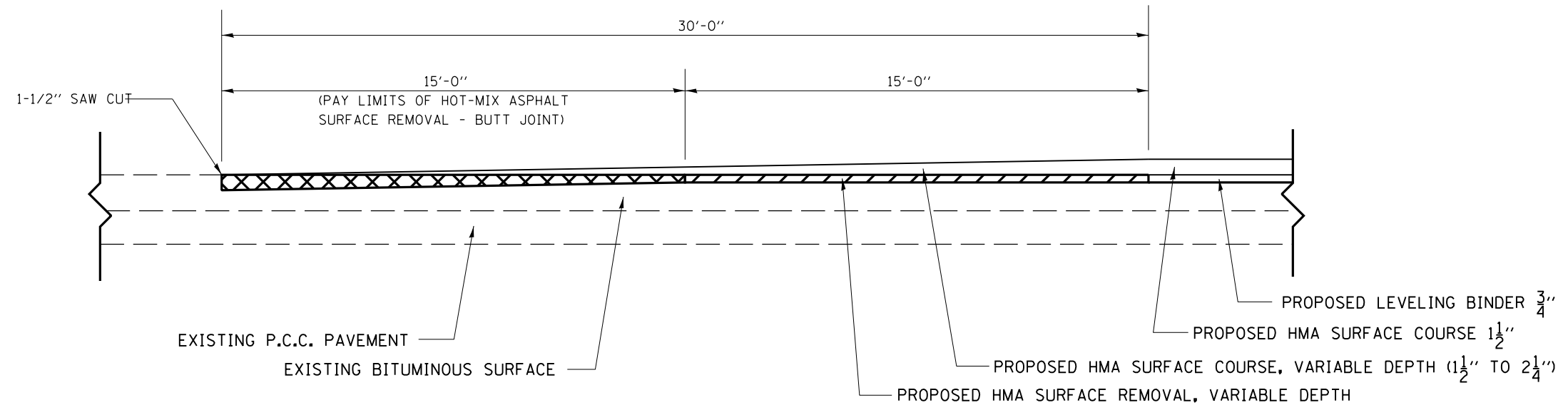
CURVE DATA  
P.I. STA=  
 $\Delta$ =  
R=  
T=  
L=  
E=  
e= SUPERELEVATION RATE IN PERCENT  
T.R.= TANGENT RUNOUT DISTANCE  
S.E. RUN= SUPERELEVATION RUNOFF LENGTH  
P.C. STA=  
P.T. STA=

TYPICAL PROFILE - S.E. TRANSITION

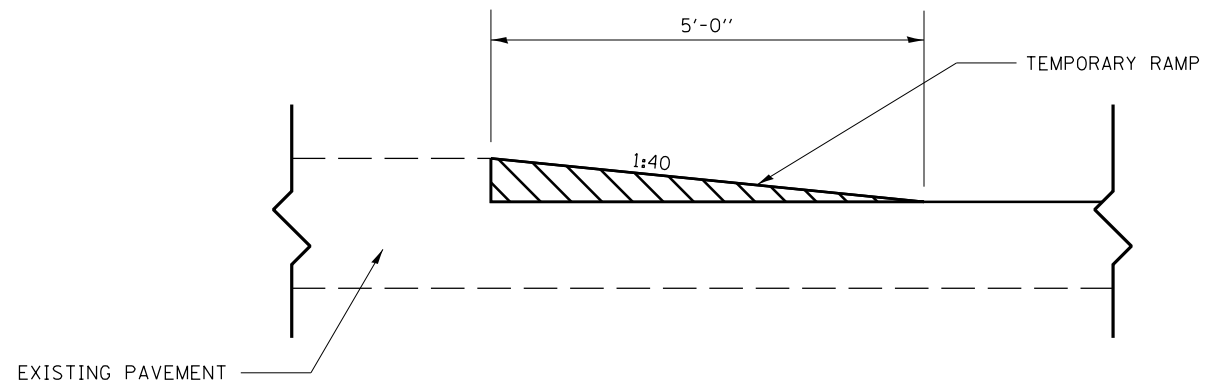


TYPICAL CROSS SECTION - S.E. TRANSITION

CURVE NO.	e	A	B	C	D	E	TRANSITION
201	5%	97+64.26	98+04.16	98+44.06	98+92.83	99+37.16	Trans. In
		140+10.30	139+70.40	139+30.50	138+81.73	138+37.40	Trans. Out
204	5%	247+76.19	248+16.09	248+55.99	249+04.76	249+49.09	Trans. In
		271+48.50	271+08.63	270+68.73	270+19.96	269+75.63	Trans. Out
405	6%	272+53.33	272+93.33	273+33.33	274+00.00	274+53.33	Trans. In
		290+33.15	289+93.15	289+53.15	288+86.48	288+33.15	Trans. Out
425	4%	360+71.02	361+11.22	361+51.34	361+82.55	362+18.22	Trans. In
		384+09.62	383+69.42	383+29.30	382+98.09	382+62.42	Trans. Out
605	4%	385+13.61	385+53.81	385+93.93	386+25.14	386+60.81	Trans. In
		408+93.71	408+53.51	408+13.39	407+82.18	407+46.51	Trans. Out
606	4%	438+01.63	438+41.83	438+81.95	439+13.16	439+48.83	Trans. In
		456+73.58	456+33.38	455+93.26	455+62.05	455+26.38	Trans. Out
532	4%	501+15.57	501+55.77	501+95.89	502+27.10	502+62.77	Trans. In
		517+79.84	517+39.64	516+99.52	516+68.31	516+32.64	Trans. Out



**BUTT JOINT DETAILS**



**TEMPORARY RAMP DETAILS**

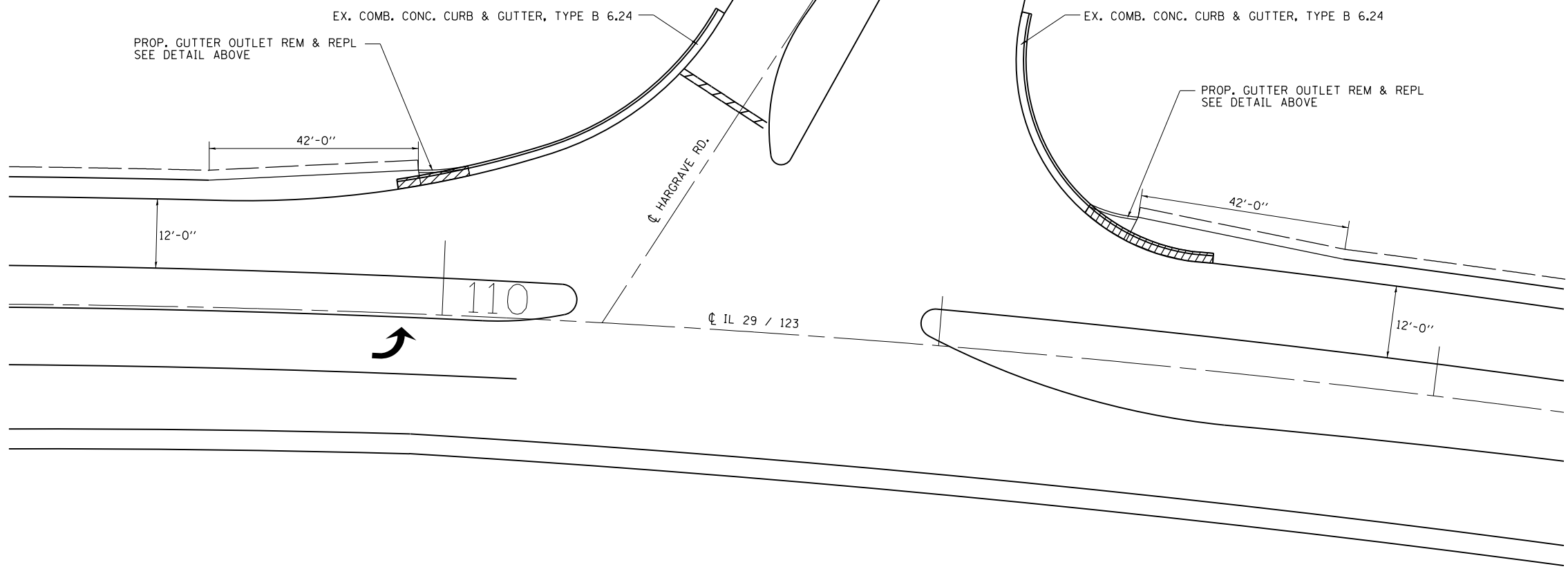
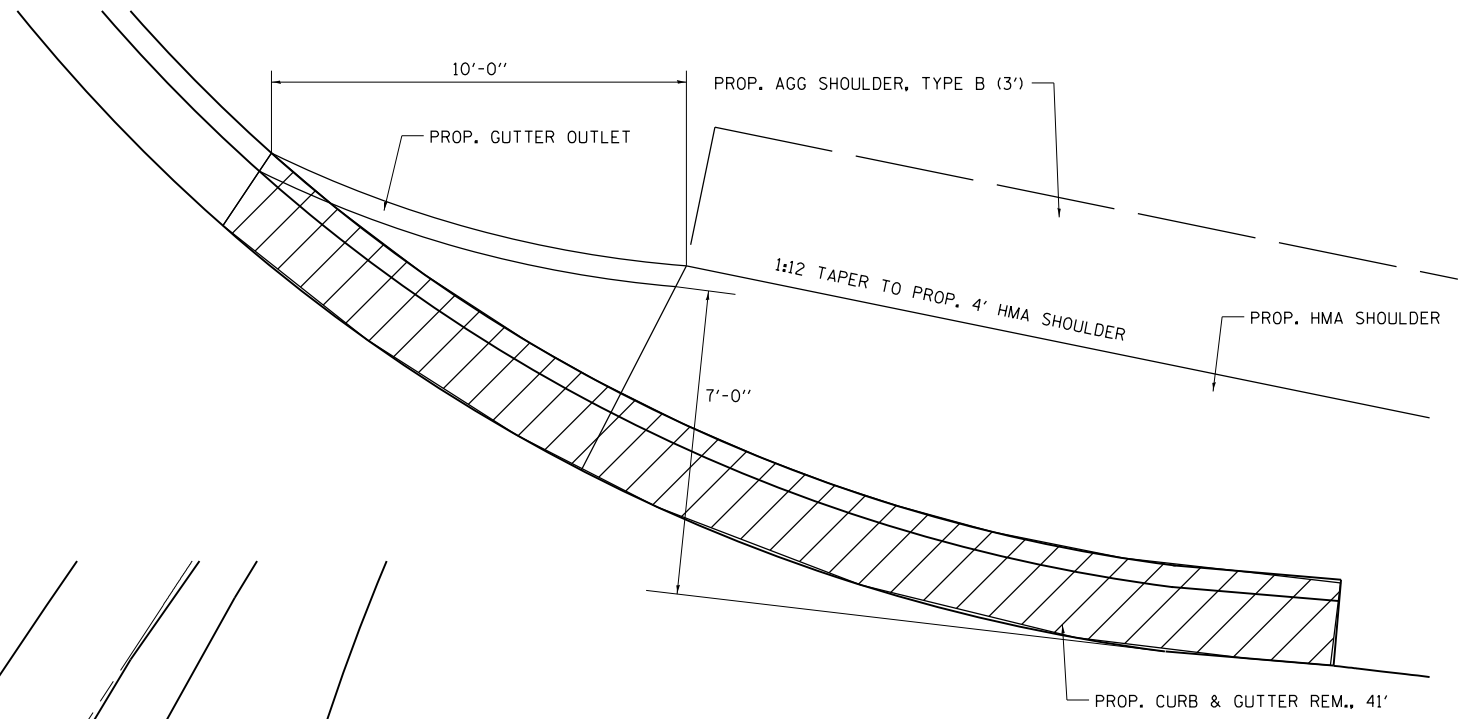
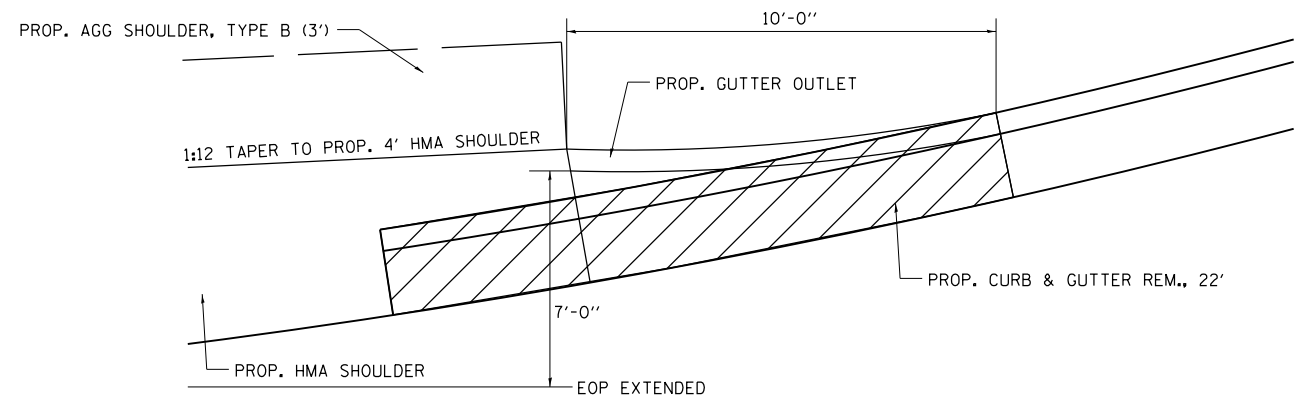
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	PLOT DATE = Feb-08-2011 11:30:28AM	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**BUTT JOINT AND TEMPORARY RAMP DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
658	01RS-1, (C,D,E)RS03	MENARD	53	52
CONTRACT NO. 72D65				
FED. ROAD DIST. NO. 6 ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = laughlinc1	DESIGNED -	REVISED -
et:\pwork\pwork\laughlinc1\0216293\062065-shd-details2.dgn		DRAWN -	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = Feb-08-2011 11:30:29AM	DATE -	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**GUTTER OUTLET DETAILS**

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
658	01RS-1, (C,D,E)RS03	MENARD	53	53
CONTRACT NO. 72D65				
FED. ROAD DIST. NO. 6   ILLINOIS FED. AID PROJECT				