

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAS 1585 ROUTE IL 10
SECTION 4RS-6
PROJECT RS-1585(100)
TYPE of IMPROVEMENT: 3P
MASON COUNTY

C-96-056-11

F.A. RTE. 1585	SECTION 4RS-6	COUNTY MASON	TOTAL SHEETS 27	SHEET NO. 3
ILLINOIS			CONTRACT NO. 72E28	

INDEX OF SHEETS

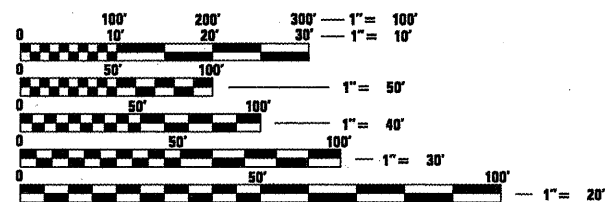
- 1 COVER SHEET
- 2 GENERAL NOTES
- 3 SUMMARY OF QUANTITIES
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- 6-8 TYPICAL SECTIONS
- 9-22 PLAN VIEW
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STANDARDS

001001-02	701301-04
001006	701306-03
000001-06	701311-03
442201-03	701501-06
482011-03	701901-01
701006-03	780001-02
701011-02	781001-03
701201-04	

IL 10

ADT (2009) = 1,250
%MU + %SU = 19%

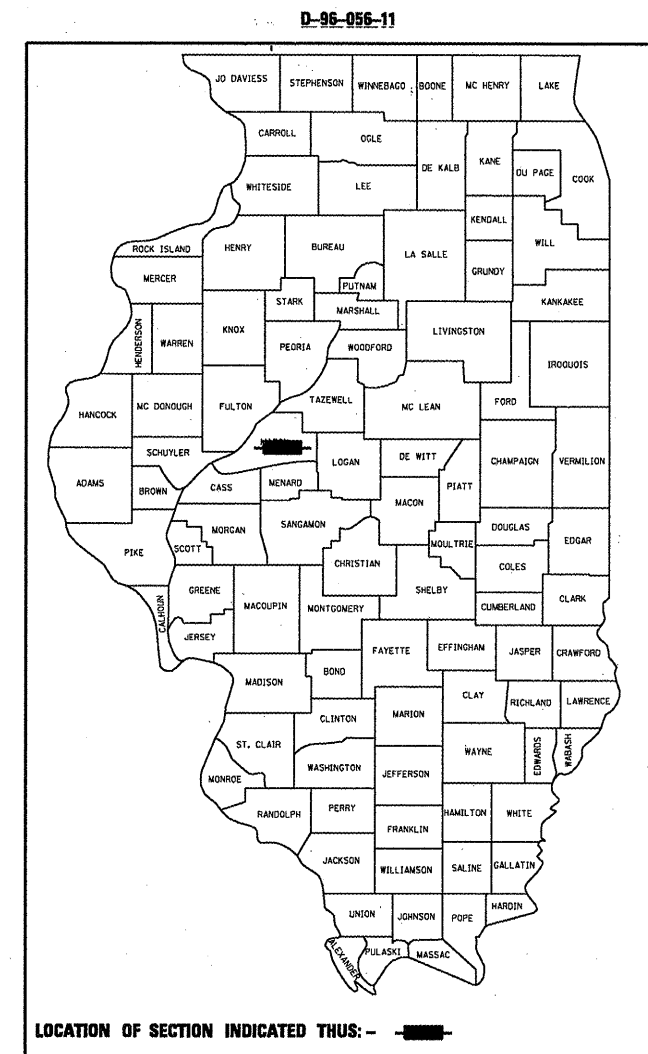
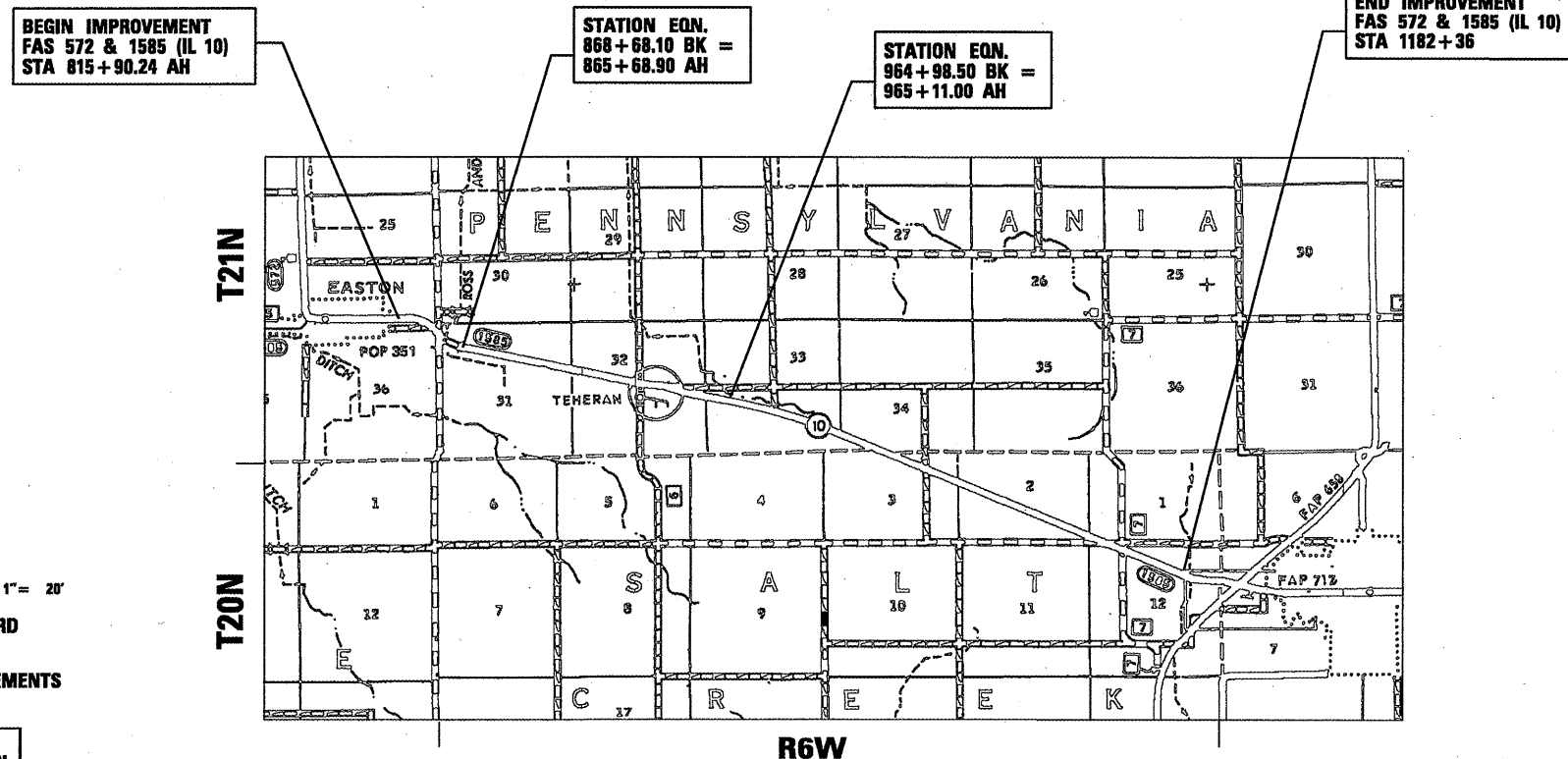


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PROJECT ENGINEER: JOHN NEGANGARD (217) 782-6990
SENIOR TEAM ENGINEER: VINCE MADONIA (217) 785-9046

CONTRACT NO. 72E28



LOCATION OF SECTION INDICATED THUS: - [black rectangle] -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED MARCH 25 20 11
Roger Z. Dahn
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

May 13 20 11
Scott E. Stitt, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

May 13 20 11
Christine N. Reed
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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

GROSS LENGTH = 35,827.6 FT. = 6.786 MILE
NET LENGTH = 35,827.6 FT. = 6.786 MILE

GENERAL NOTES

1. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB NUMBER LISTED IN THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.
2. IN ADDITION TO FIELD SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF WORK; HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
3. ACCESS TO ALL ENTRANCES AND SIDE ROADS SHALL BE MAINTAINED AT ALL TIMES.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS, AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE J.U.L.I.E. NUMBER IS 1-800-892-0123. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED.
5. THE THICKNESS OF BITUMINOUS MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
6. ALL SAW CUTS, NECESSARY TO COMPLETE THE WORK DETAILED IN THESE PLANS, SHALL BE INCLUDED IN THE COST FOR THE VARIOUS PAY ITEMS INVOLVED. THE MINIMUM SAW CUT DEPTH IN THE PAVEMENT SHALL BE 1 1/2 " UNLESS OTHERWISE SPECIFIED IN A DETAIL SHOWN IN THE PLANS.
7. UNLESS DIRECTED BY THE ENGINEER, PAVEMENT MARKING LINES SHALL NOT BE LAID DIRECTLY OVER A LONGITUDINAL CRACK OR JOINT NOR OVER A TAR OR ASPHALT PAINTED LINE. THE EDGE OF A CENTERLINE OR LANE LINE SHALL BE OFFSET A MINIMUM DISTANCE OF 2" FROM A LONGITUDINAL CRACK OR JOINT. EDGE LINES SHALL BE APPROXIMATELY 2" FROM THE EDGE LINE OF PAVEMENT. SEE SECTION 780 OF THE STANDARD SPECIFICATIONS FOR TRAFFIC CONTROL ITEMS.
8. NO PASSING ZONES TO BE FIELD VERIFIED BY THE BUREAU OF OPERATIONS. THE RESIDENT ENGINEER SHALL NOTIFY THE BUREAU OF OPERATIONS AT LEAST 14 DAYS PRIOR TO PLACEMENT OF FINAL PERMANENT PAVEMENT MARKING. (PH: 217-785-5312)
9. THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED TO CALCULATE THE PLAN QUANTITIES:

BITUMINOUS MATERIALS (PRIME COAT)	0.00038 TON/SQ. YD. (ON PAVEMENT)
BITUMINOUS MATERIALS (PRIME COAT)	0.001425 TON/SQ. YD. (ON AGG.)
AGGREGATE PRIME COAT	0.002 TON/SQ. YD.
BITUMINOUS CONCRETE SURFACE / BINDER	0.056 TON/SQ. YD. PER 1"
AGGREGATE MATERIAL	2.05 TON/CU. YD.

DISTRICT SIX	
EXAMINED <u>March 21</u>	20 <u>11</u>
<i>Chris Walsh</i>	
OPERATIONS ENGINEER	
EXAMINED <u>MARCH 8</u>	20 <u>11</u>
<i>Tommy Felt</i>	
PROJECT IMPLEMENTATION ENGINEER	
EXAMINED <u>MARCH 10</u>	20 <u>11</u>
<i>John C. Neumann</i>	
PROGRAM DEVELOPMENT ENGINEER	

THE FOLLOWING MIXTURE REQUIREMENTS ARE APPLICABLE FOR THIS PROJECT:

MIXTURE USE(S):	LEVEL BINDER (MACH METHOD)	HMA SURFACE COURSE	INCIDENTAL HMA SURFACE	HMA PAVEMENT PATCHING
PG:	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ N DESIGN = 50	4.0% @ N DESIGN = 50	4.0% @ N DESIGN = 50	4.0% @ N DESIGN = 50
MIXTURE COMPOSITION: (GRADATION MIXTURE)	IL 9.5	IL 9.5 OR 12.5	IL 9.5 OR 12.5	IL 19.0
FRICITION AGGREGATE:	N/A	MIX "C"	MIX "C"	N/A

CODE NO	SUMMARY OF QUANTITIES		UNIT	TOTAL QUANTITY
	ITEM	80% FEDERAL 20% STATE 0005		
35800100	PREPARATION OF BASE		SQ YD	313
40200800	AGGREGATE SURFACE COURSE, TYPE B		TON	8
40800200	BITUMINOUS MATERIALS (PRIME COAT)		TON	36
40800300	AGGREGATE (PRIME COAT)		TON	192
40800625	LEVELING BINDER (MACHINE METHOD), N50		TON	4026
40800895	CONSTRUCTING TEST STRIP		EACH	1
40800982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT		SQ YD	1034
40800990	TEMPORARY RAMP		SQ YD	13
40803310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50		TON	8253
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING		TON	135
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"		SQ YD	2079
44200144	PAVEMENT PATCHING, TYPE II, 12 INCH		SQ YD	135
44200148	PAVEMENT PATCHING, TYPE III, 12 INCH		SQ YD	80
48101200	AGGREGATE SHOULDERS, TYPE B		TON	2947
67000400	ENGINEER'S FIELD OFFICE, TYPE A		CAL MO	6
67100100	MOBILIZATION		L SUM	1
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201		L SUM	1
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306		L SUM	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501		L SUM	1
70300100	SHORT TERM PAVEMENT MARKING		FOOT	10748
70301000	WORK ZONE PAVEMENT MARKING REMOVAL		SQ FT	1493
78001120	PAINT PAVEMENT MARKING - LINE 5'		FOOT	98724
78100100	RAISED REFLECTIVE PAVEMENT MARKER		EACH	448
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL		EACH	448
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH		SQ YD	93776

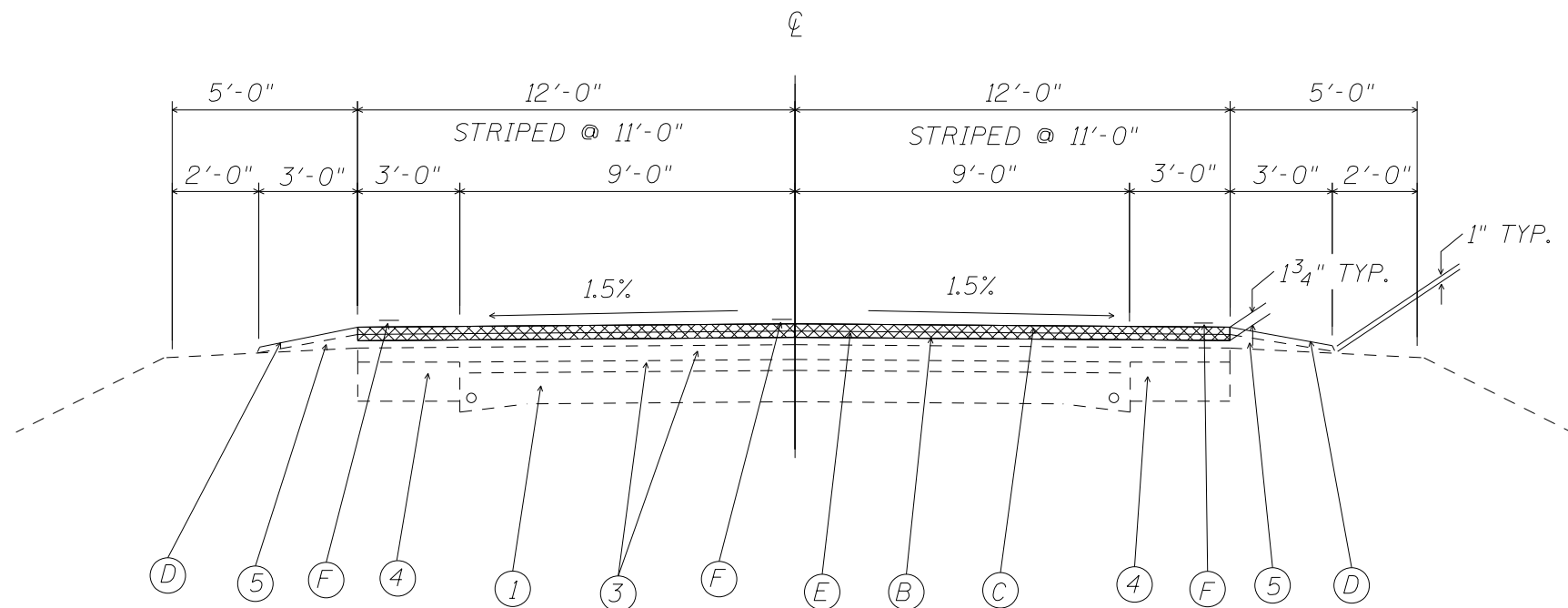
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	PLOT SCALE = 100.0000' / 1"	CHECKED -	REVISED -		CONTRACT NO. 72E28										
	PLOT DATE = Mar-25-2011 10:16:19AM	DATE -	REVISED -		ILLINOIS FED. AID PROJECT										

		LT/RT	TYPE OF ENTRANCE	STREET NAME	EXIST. MATERIAL	LENGTH AT E.O.P.	WIDTH EOP TO BACK	PROP. HMA THICKNESS	HMA SURF REM, BUTT JOINT	INCIDENTAL BIT. SURF.	PREP. OF BASE	PROP. AGG. SURF. THICKNESS	AGG. SURF. COURSE, TYPE B
Location	STATION					FT	FT	INCHES	SQ YD	TON	SQ YD	INCHES	TON
	817+00	RT	SR	ALLEY	O&C	32	10	1.5	24.4	2.1			
	818+78	RT	SR	POPLAR ST	BIT	35	10	1.5	27.8	2.3			
	824+54	LT	PE		AGG	40	8	3.5		5.6	28.4	1	0.7
	824+55	RT	SR	ELM ST	O&C	48	10	1.5	42.2	3.5			1.1
	825+90	RT	PE		AGG	32	8	3.5		4.2	21.3	1	0.4
	825+42	LT	PE		AGG	32	8	3.5		4.2	21.3	1	0.4
	826+71	LT	PE		AGG	32	8	3.5		4.2	21.3	1	0.4
	827+22	RT	PE		AGG	32	8	3.5		4.2	21.3	1	0.4
	828+61	RT	PE		AGG	37	8	3.5		5.1	25.8	1	0.6
	829+17	RT	PE		AGG	32	8	3.5		4.2	21.3	1	0.4
	833+60	RT	PE		AGG	38	8	3.5		5.2	26.7	1	0.7
	830+96	RT	PE		AGG	32	8	3.5		4.2	21.3	1	0.4
	850+30	LT	SR	SECTION LINE RD	BIT	50	10	1.5	44.4	3.7			
	850+30	RT	SR	SECTION LINE RD	BIT	71	10	1.5	67.8	5.7			
	853+00	LT	SR	RANGE LINE RD	BIT	52	10	1.5	46.7	3.9			
	853+00	RT	SR	RANGE LINE RD	BIT	70	10	1.5	66.7	5.6			
	933+84	LT	SR		BIT	44	10	1.5	36.7	3.1			
	933+84	RT	SR		BIT	55	10	1.5	50.0	4.2			
	935+15	RT	PE		AGG	40	8	3.5		5.6	28.4	1	0.7
	942+00	LT	SR		BIT	100	10	1.5	100.0	8.4			
	943+19	RT	PE		AGG	37	8	3.5		5.1	25.8	1	0.6
	947+05	LT	CE		AGG	36	10	8		4.9	24.9	1	0.6
	988+26	LT	SR		BIT	52	10	1.5	46.7	3.9			
	1052+34	LT	SR		BIT	50	10	1.5	44.4	3.7			
	1052+34	RT	SR		BIT	41	10	1.5	34.4	2.9			
	1121+92	RT	PE		AGG	36	8	3.5		4.9	24.9	1	0.6
	1125+32	LT	SR	SECTION LINE RD	BIT	92	10	1.5	91.1	7.7			
	1125+32	RT	SR	SECTION LINE RD	BIT	75	10	1.5	72.2	6.1			
	1137+45	LT	SR		BIT	58	10	1.5	53.3	4.5			
	1137+45	RT	SR		BIT	55	10	1.5	50.0	4.2			
Total									874	135	313		8

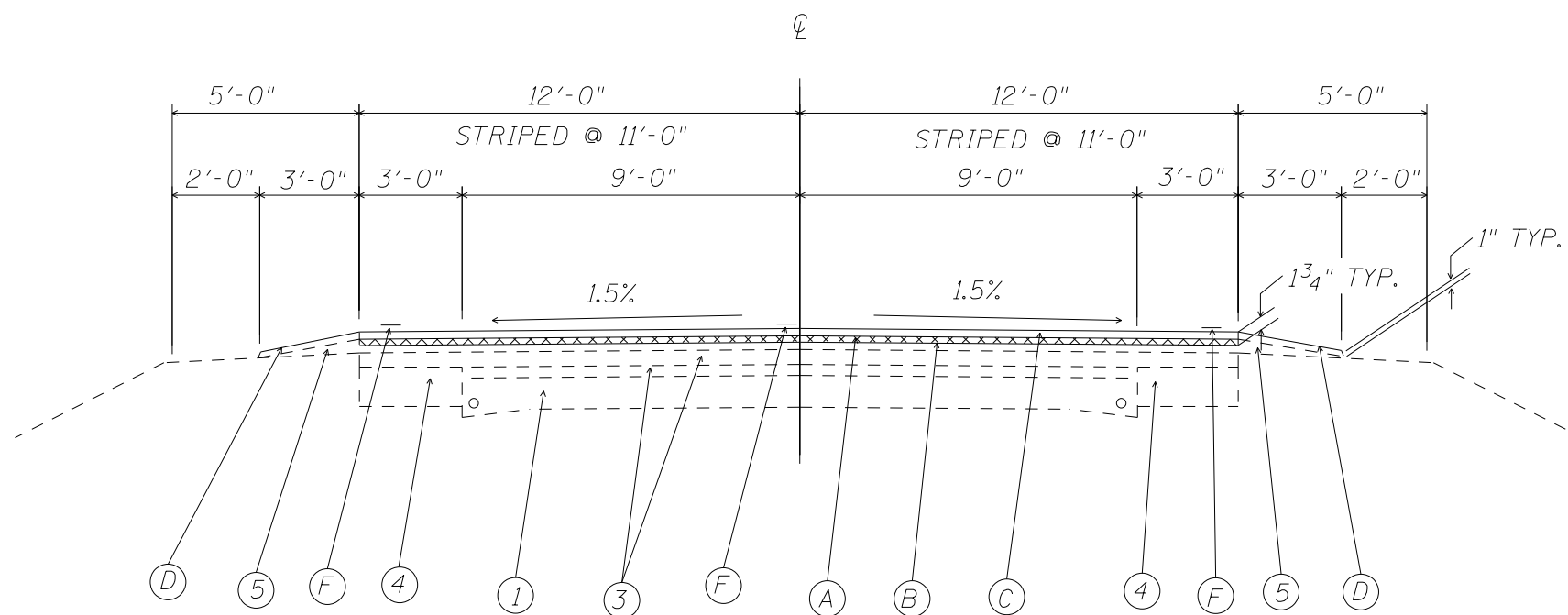
RAISED REFLECTIVE PAVEMENT MARKER SCHEDULE					
Location	Sta to Sta		Length	REMOVE	REPLACE
			FT	EACH	EACH
IL 10	815+90	868+68	5,277.9	66	66
	865+69	964+99	9,929.6	124	124
	965+11	1171+30	20,619.0	258	258
Total IL 10				448	448

LEGEND

- 1 EXISTING 9-6-9 P.C.C. PAVEMENT
- 2 EXISTING 8" P.C.C. PAVEMENT
- 3 EXISTING HMA OVERLAY
- 4 EXISTING HMA BASE COURSE WIDENING 9"
- 5 EXISTING AGGREGATE SHOULDERS
- 6 EXISTING SUB-BASE GRANULAR MATERIAL
- A PROPOSED HMA SURFACE REMOVAL - (V.D.) - 3/4"
- B PROPOSED LEVEL BINDER - 3/4" N50
- C PROPOSED HMA SURFACE COURSE - 1 1/2" MIXC N50
- D PROPOSED AGGREGATE SHOULDERS, TYPE B
- E PROPOSED HMA SURFACE REMOVAL - 2 1/4"
- F PROPOSED PAINT PAVEMENT MARKING LINE - 5"



IL 10
STA. 815+90.24 (AH) TO 824+00

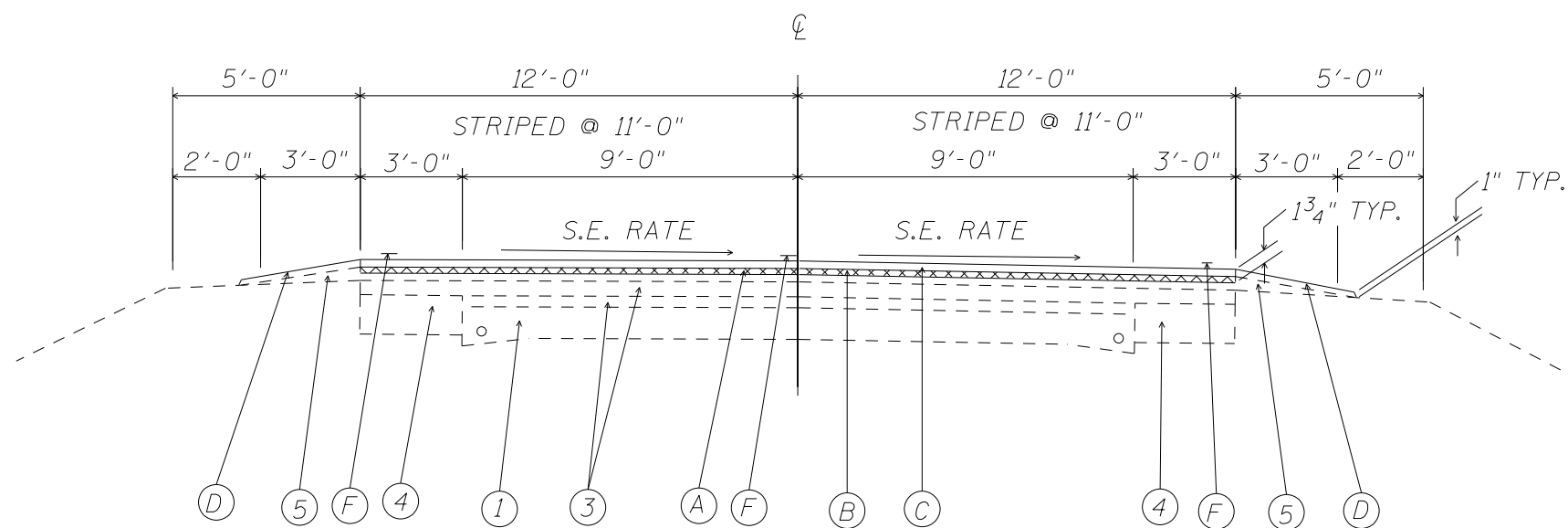


IL 10
STA. 824+00 TO 839+34
STA. 850+64 TO 857+77
STA. 865+68.9 (AH) TO 934+10
STA. 943+89 TO 964+98.50 BK = 965+11 AH
STA. 965+11 (I) TO 1161+59.20

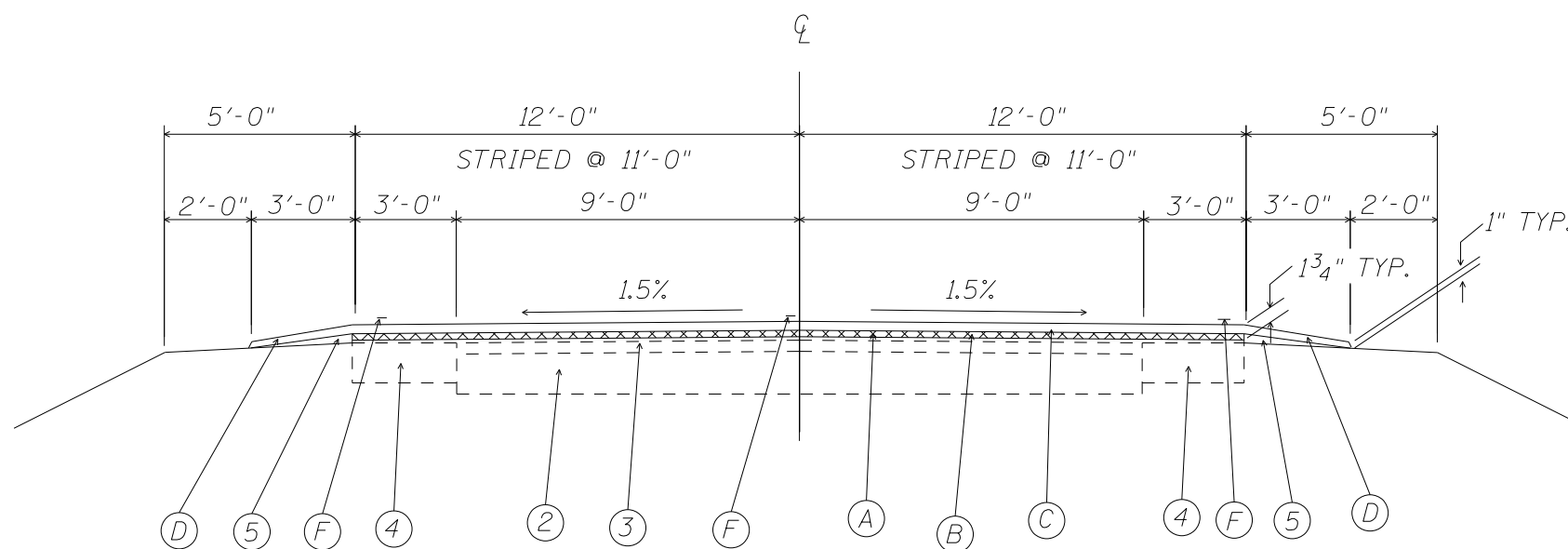
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		DATE -	REVISED -											
	PLOT SCALE = 4.0000' / in.													
	PLOT DATE = Mar-25-2011 01:14:39PM													
											CONTRACT NO. 72E28		ILLINOIS FED. AID PROJECT	

LEGEND

- 1 EXISTING 9-6-9 P.C.C. PAVEMENT
- 2 EXISTING 8" P.C.C. PAVEMENT
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- B PROPOSED LEVEL BINDER - 3/4" N50
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- D PROPOSED AGGREGATE SHOULDERS, TYPE B
- E PROPOSED HMA SURFACE REMOVAL - 2 1/4"
- F PROPOSED PAINT PAVEMENT MARKING LINE - 5"



IL 10
 STA. 839+34 TO 850+64
 STA. 857+77 TO 868+68.1(BK) =
 865+68.9(AH)
 STA. 934+10 TO 943+89

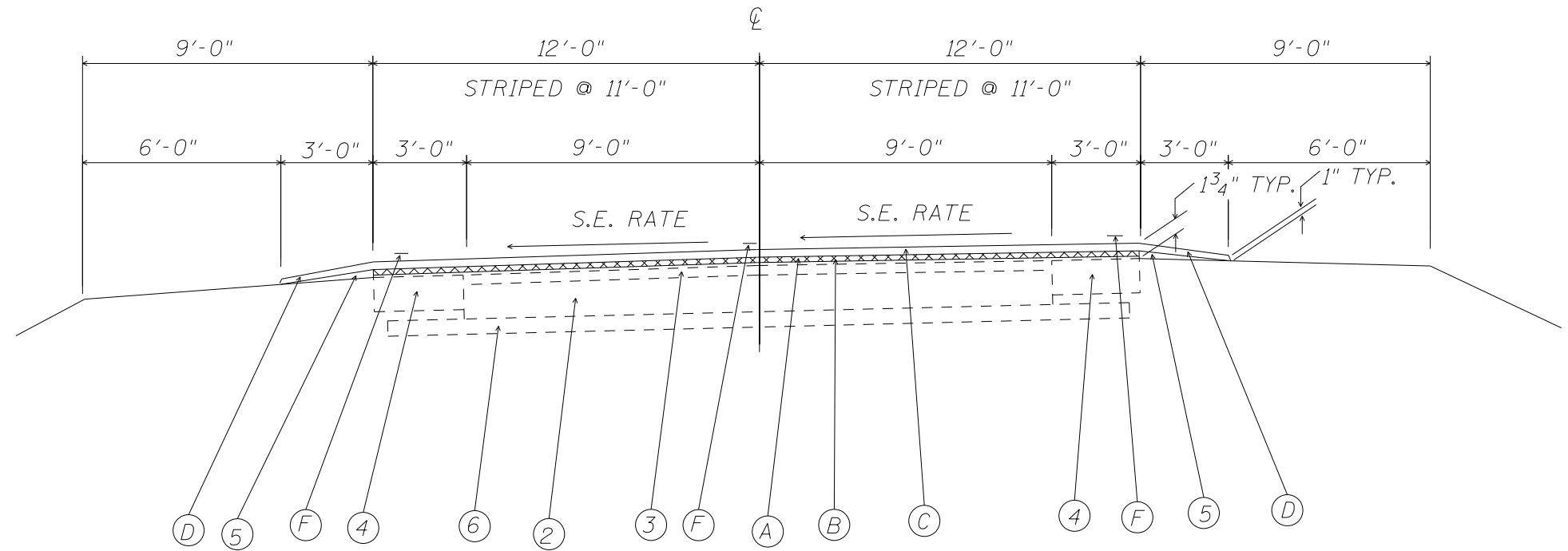


IL 10
 STA. 1161+59.2 TO 1164+50

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		DATE -	REVISED -		ILLINOIS FED. AID PROJECT									

LEGEND

- 1 EXISTING 9-6-9 P.C.C. PAVEMENT
- 2 EXISTING 8" P.C.C. PAVEMENT
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- D PROPOSED AGGREGATE SHOULDERS, TYPE B
- E PROPOSED HMA SURFACE REMOVAL - 2 1/4"
- F PROPOSED PAINT PAVEMENT MARKING LINE - 5"



IL 10
STA. 1164+50 TO 1171+30

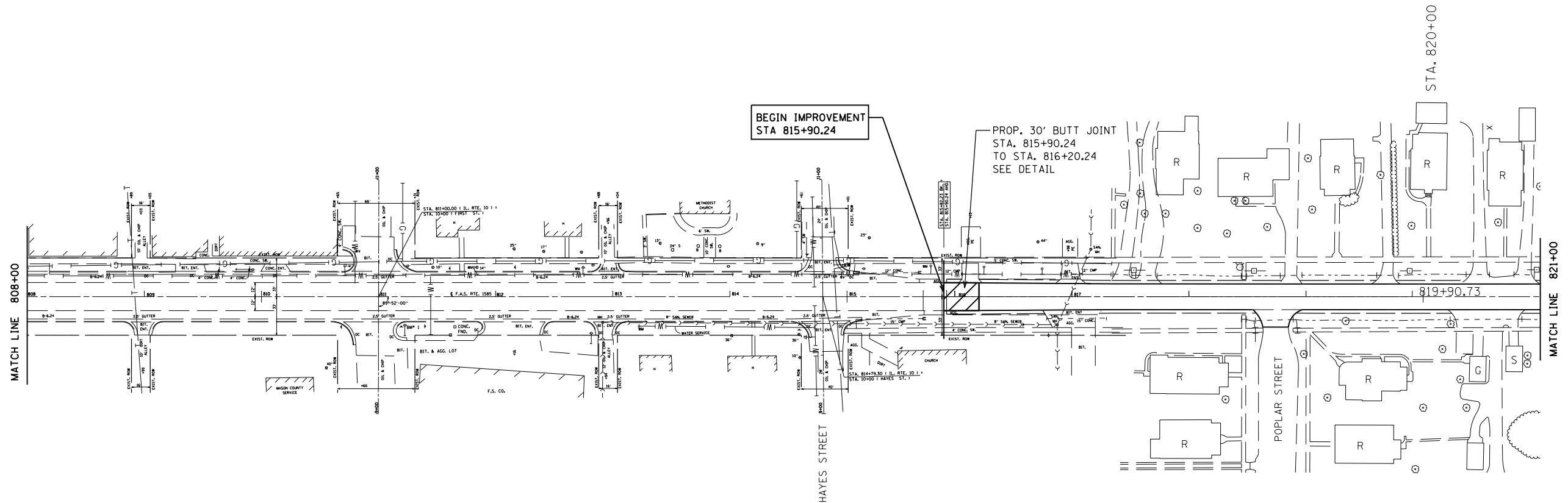
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1585	4R5-6	MASON	27	8
CONTRACT NO. 72E28			ILLINOIS FED. AID PROJECT	



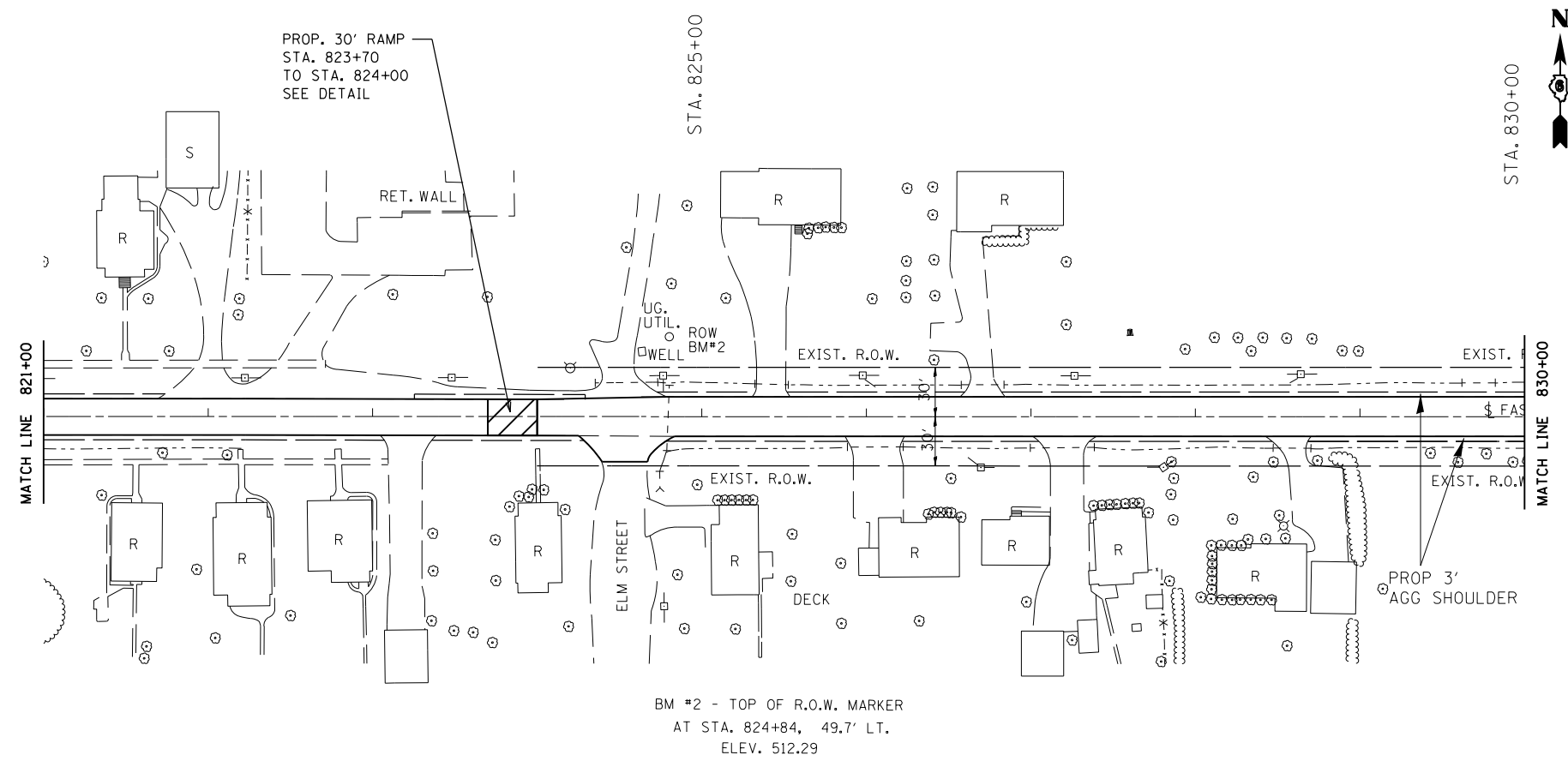
NOTE:
 PE AND CE ENTRANCE RETURNS HAVE
 BEEN COMPLETED IN 2010 TOGETHER
 WITH STORM SEWER PROJECT (C-96-108-08)
 STA. 815+90.24 TO 824+00

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

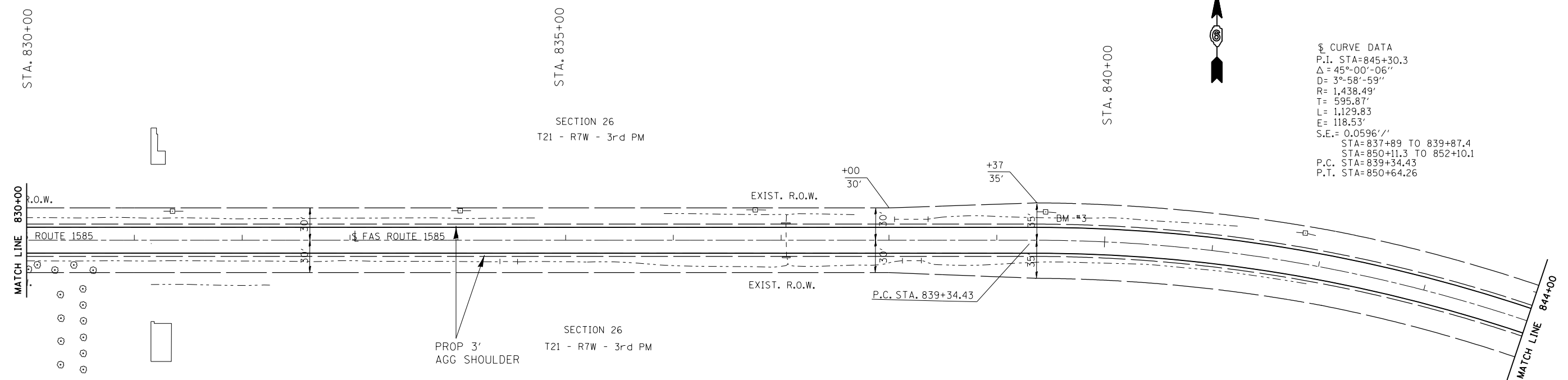
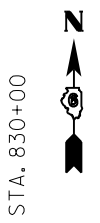
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SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1585	4RS-6	MASON	27	9
CONTRACT NO. 72E28				
ILLINOIS FED. AID PROJECT				



NOTE:
PE AND CE ENTRANCE RETURNS HAVE
BEEN COMPLETED IN 2010 TOGETHER
WITH STORM SEWER PROJECT (C-96-108-08)
STA. 815+90.24 TO 824+00

BM #2 - TOP OF R.O.W. MARKER
AT STA. 824+84, 49.7' LT.
ELEV. 512.29



§ CURVE DATA

P.I.	STA=845+30.3
Δ	= 45°-00'-06"
D	= 3°-58'-59"
R	= 1,438.49'
T	= 595.87'
L	= 1,129.83
E	= 118.53'
S.E.	= 0.0596''
STA=837+89 TO 839+87.4	
STA=850+11.3 TO 852+10.1	
P.C.	STA=839+34.43
P.T.	STA=850+64.26



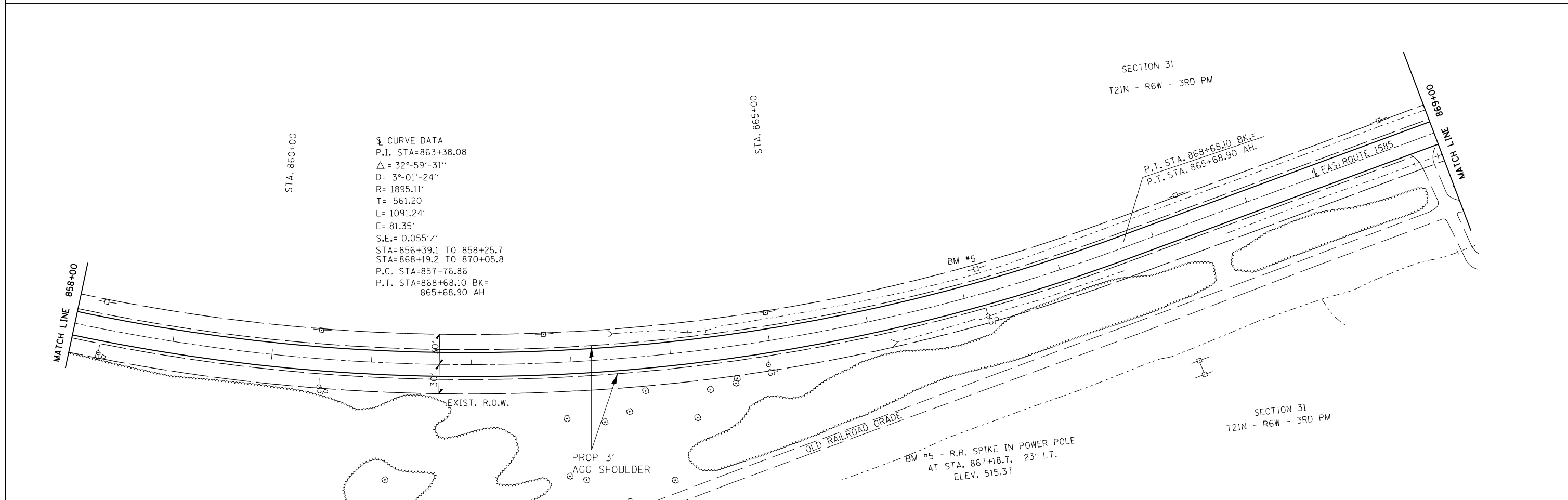
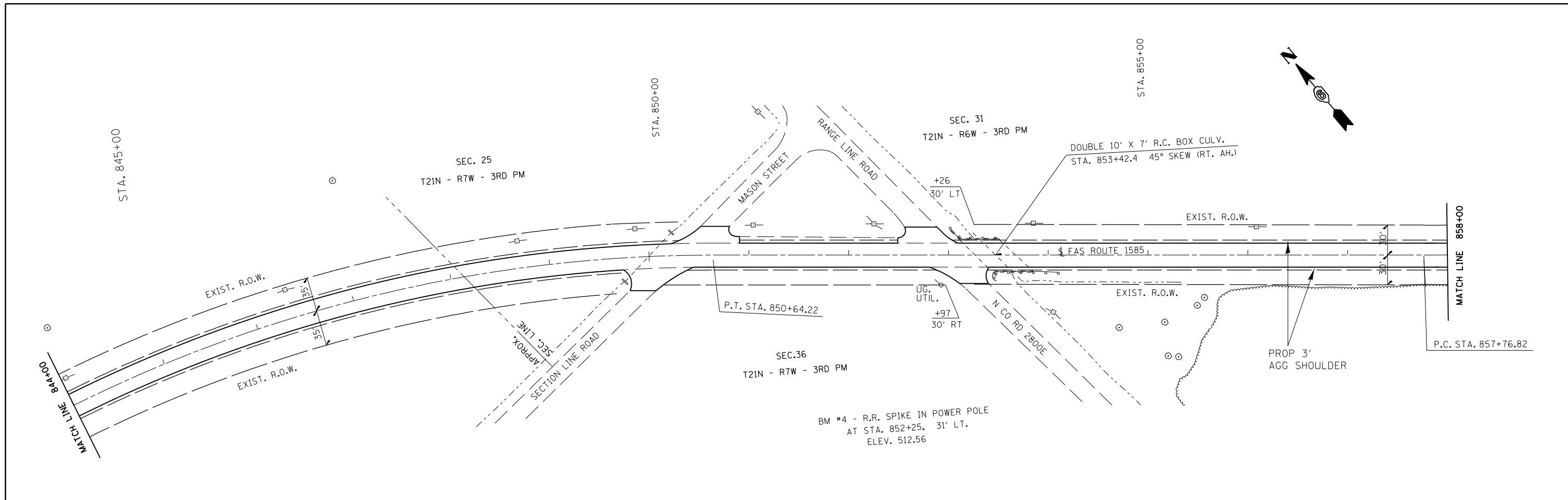
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

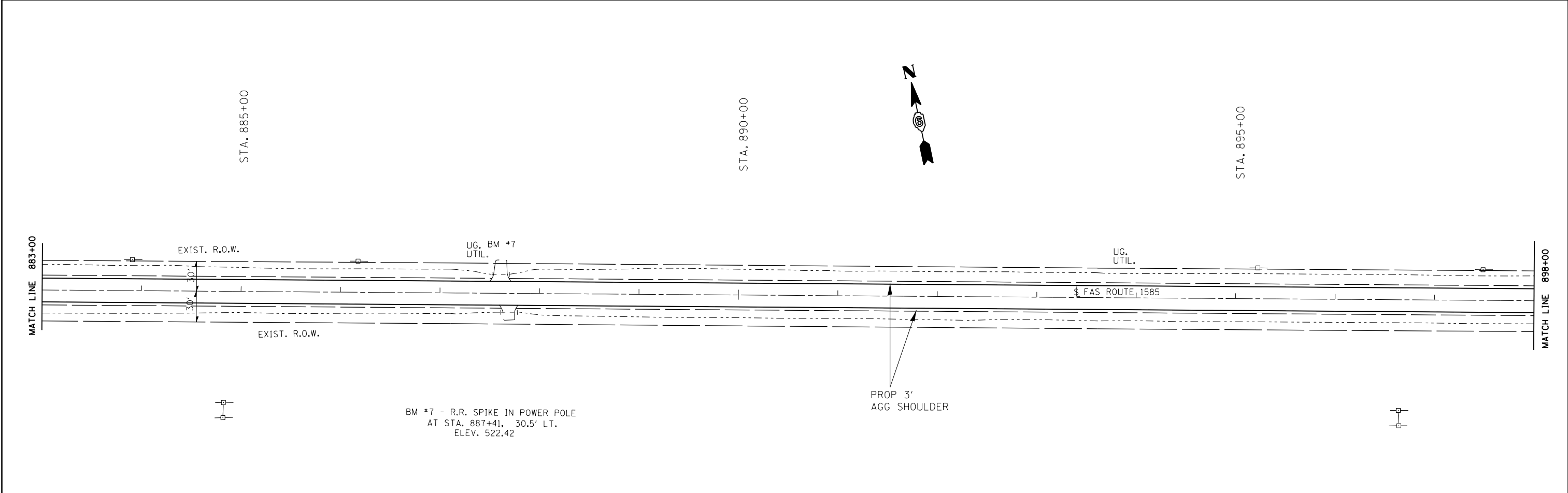
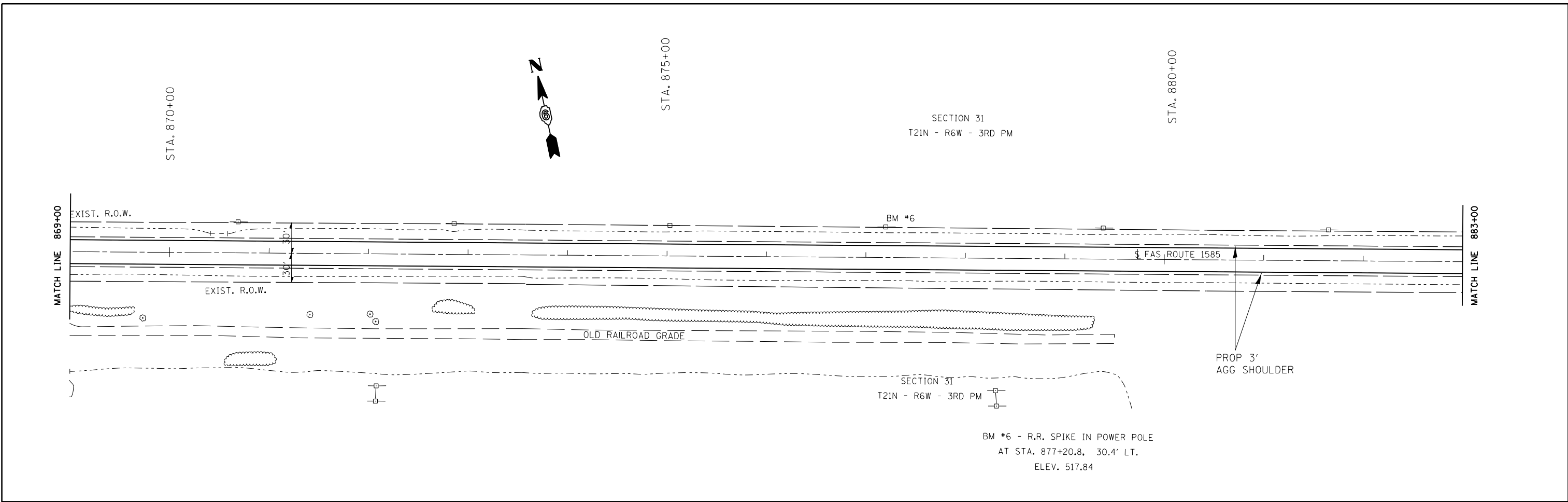
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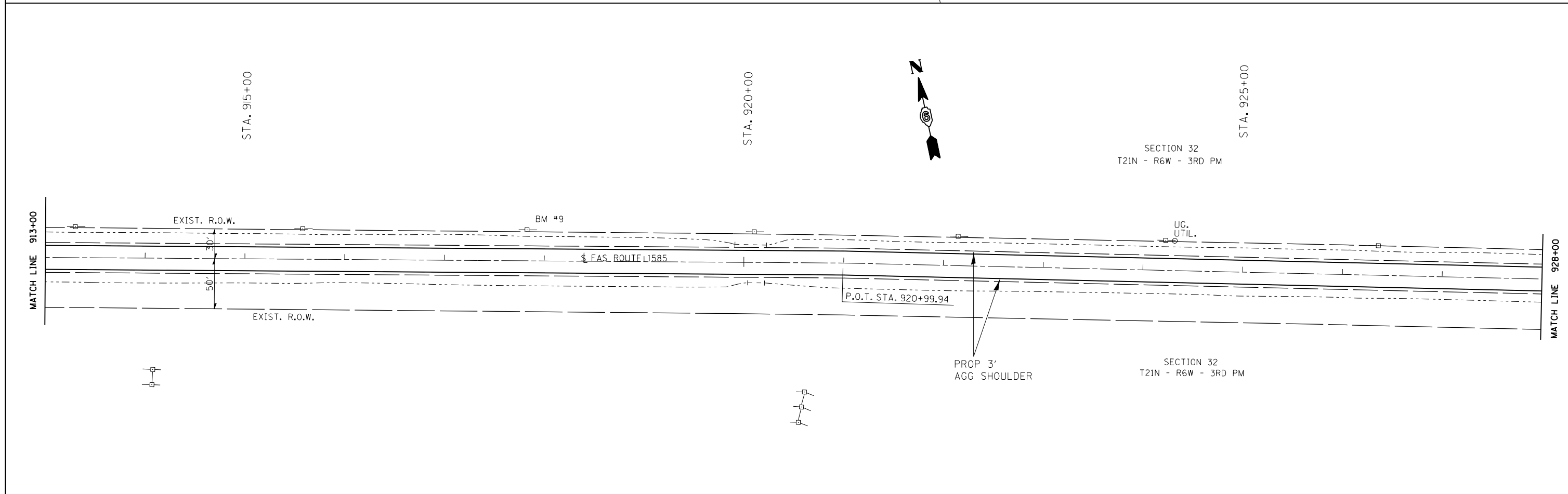
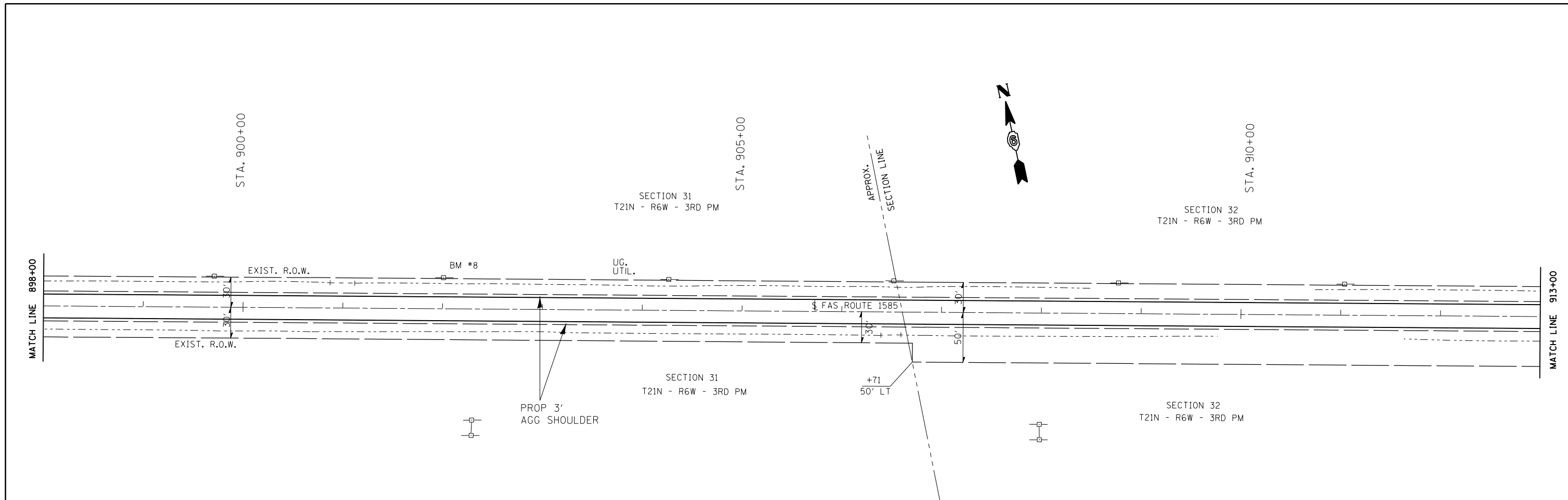
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1585	4R5-6	MASON	27	10
CONTRACT NO. 72E28				
ILLINOIS FED. AID PROJECT				



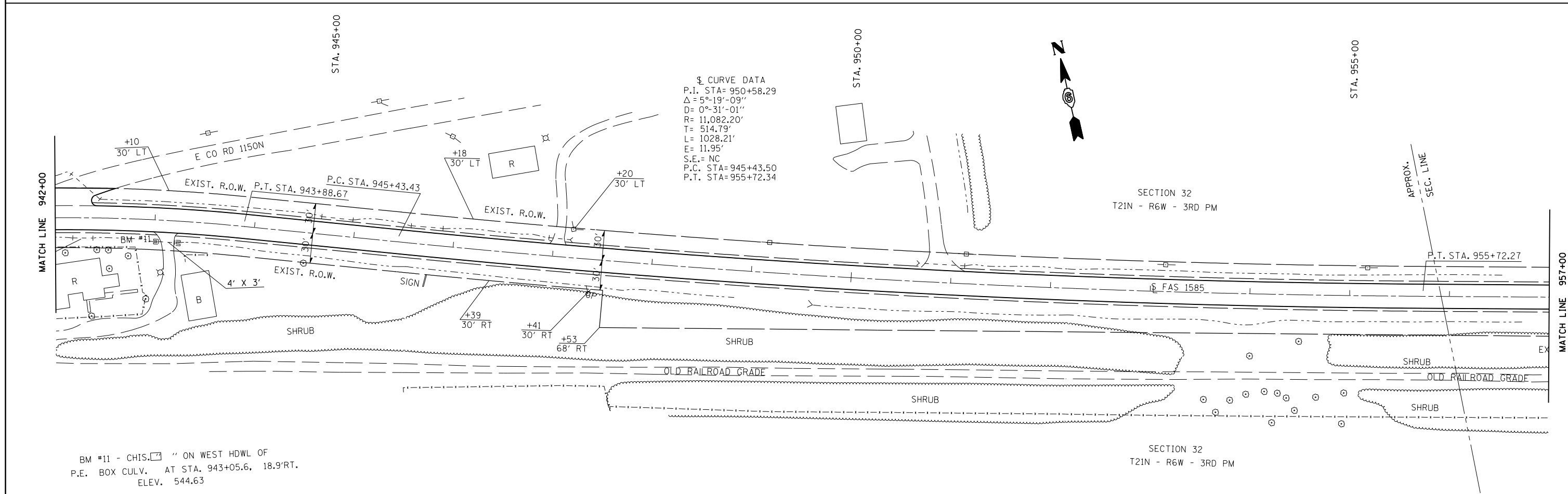
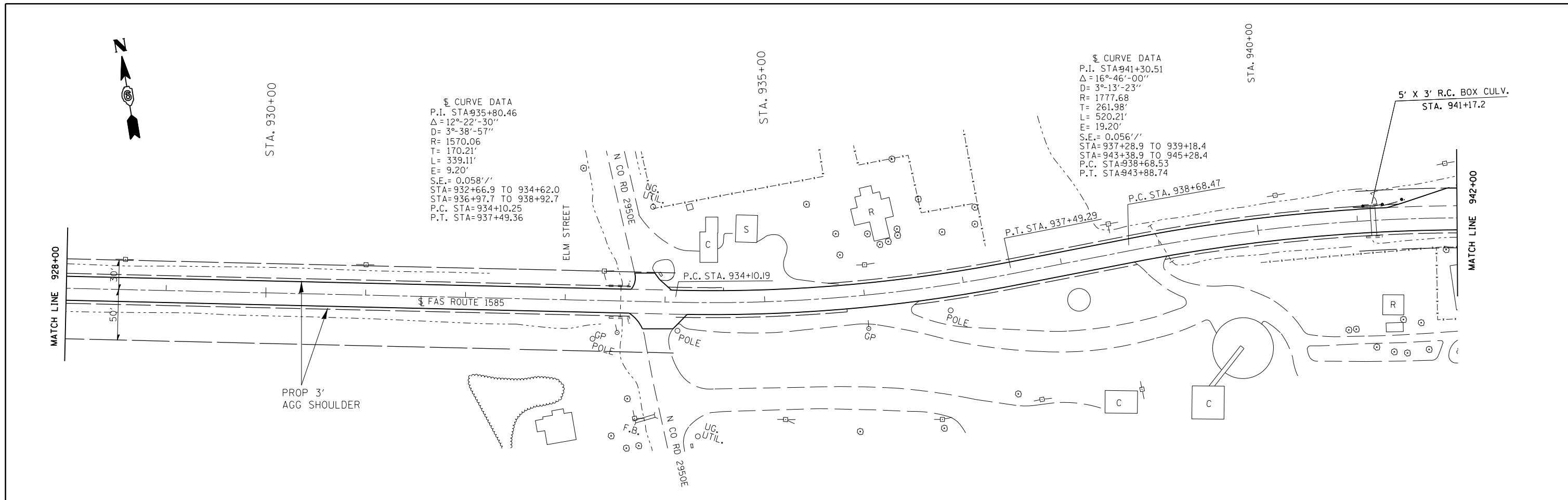
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PLOT DATE = Mar-25-2011 10:16:36AM		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							
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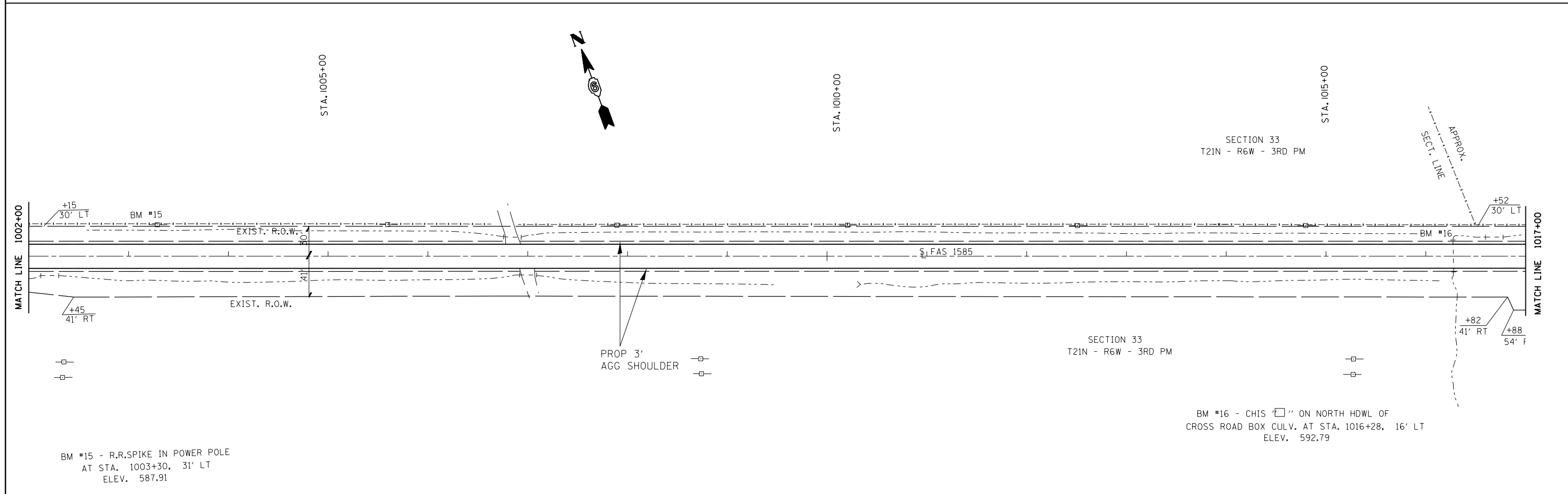
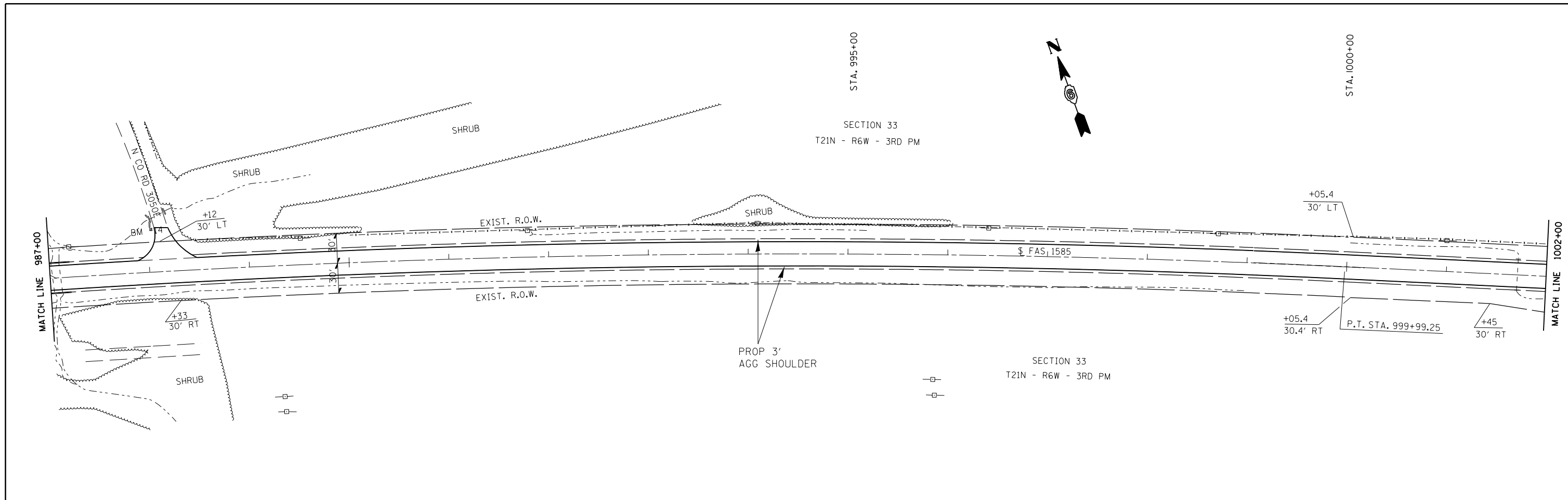
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				SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.			



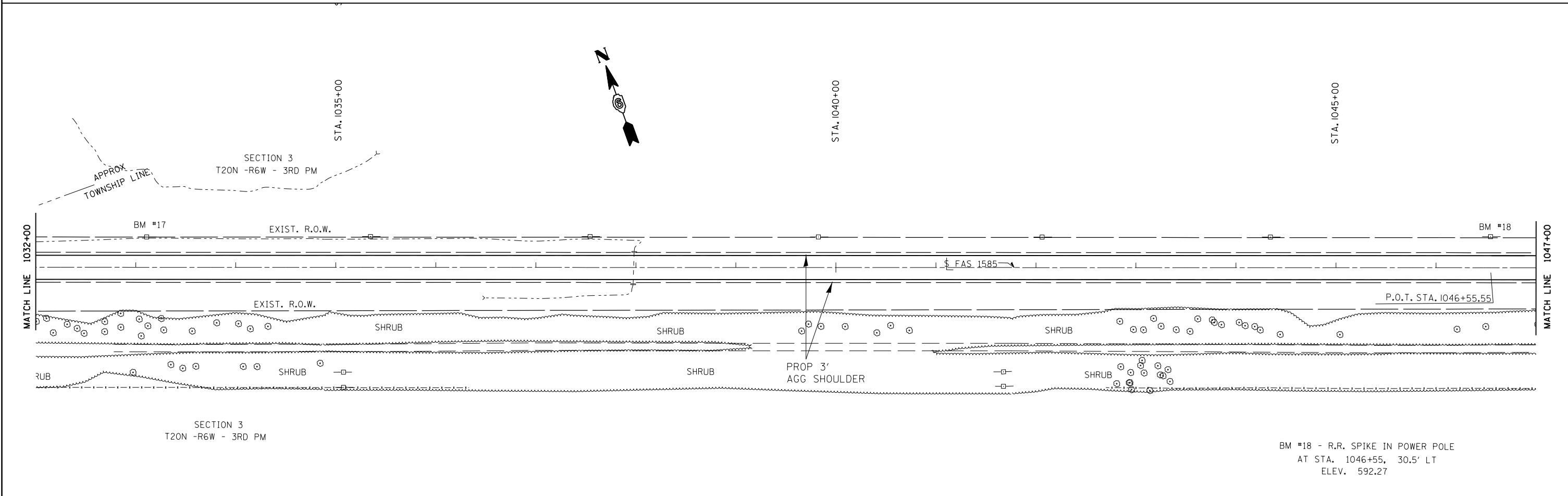
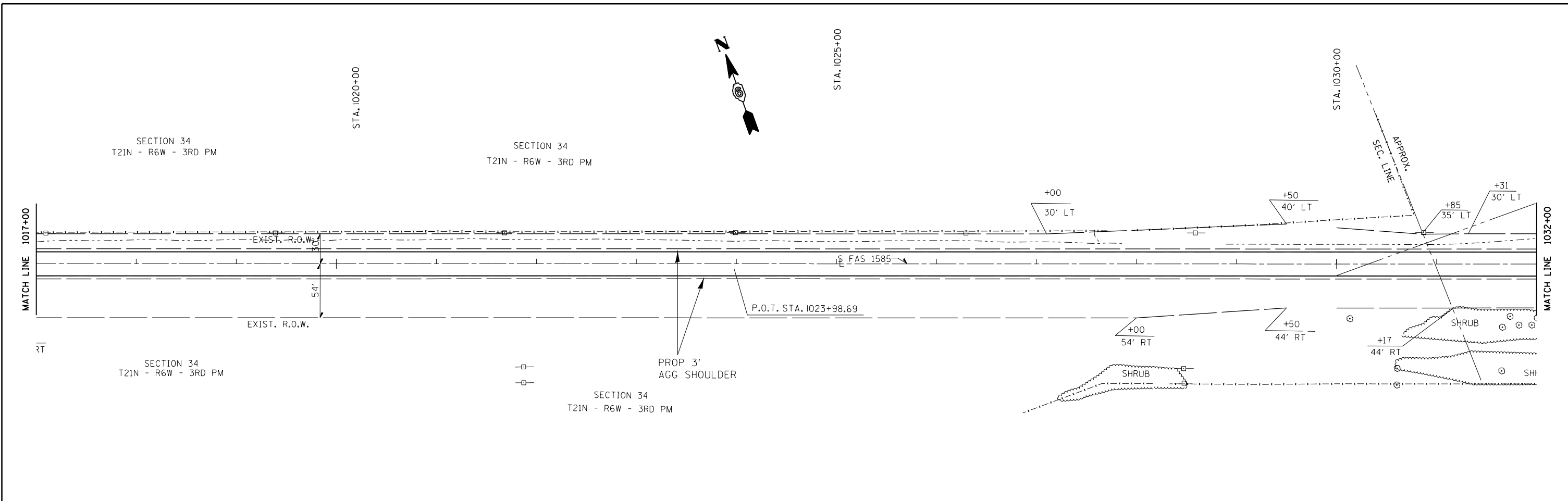
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ei:\pw\work\p\idot\sparksgw\10255669\0672E28-sht-plan sheets.dgn	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -					1585	4RS-6	MASON	27	14
PLOT DATE = Mar-25-2011 10:16:37AM	DATE -	CHECKED -	REVISED -		CONTRACT NO. 72E28							
		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							



BM #16 - CHIS " " ON NORTH HDWL OF
CROSS ROAD BOX CULV. AT STA. 1016+28, 16' LT
ELEV. 592.79

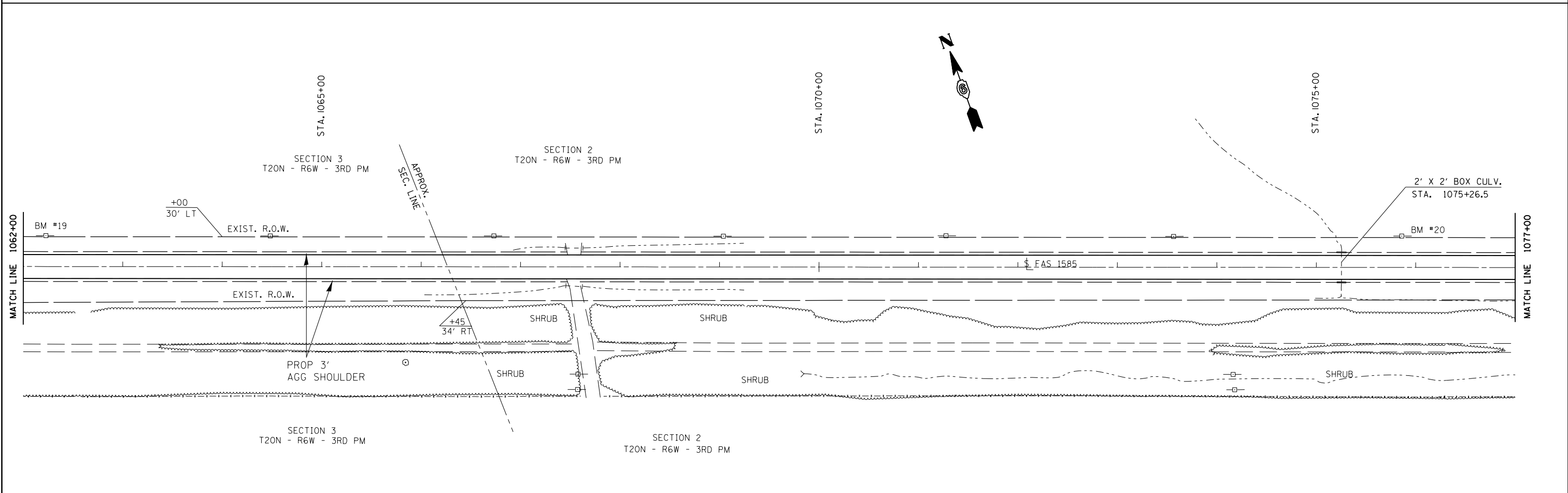
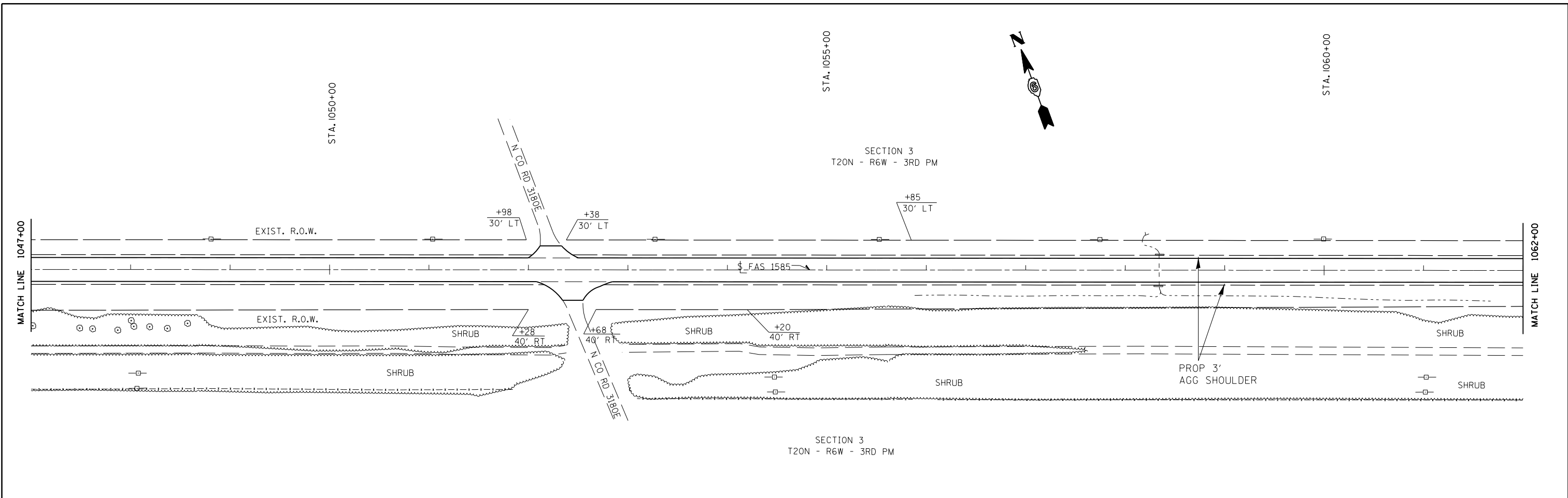
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ei:\pwork\pwidot\sparksgw\10255669\0672E28-sht-plan sheets.dgn		DRAWN -	REVISED -		1585	4RS-6	MASON	27	16			
PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 72E28							
PLOT DATE = Mar-25-2011 10:16:38AM		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							

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



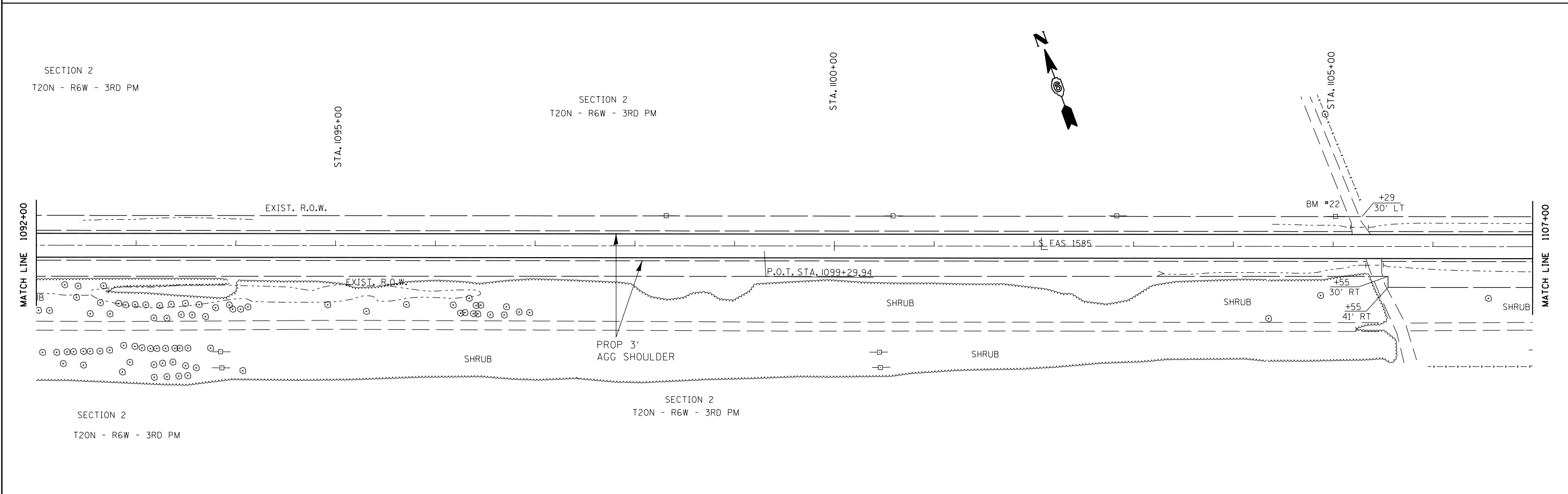
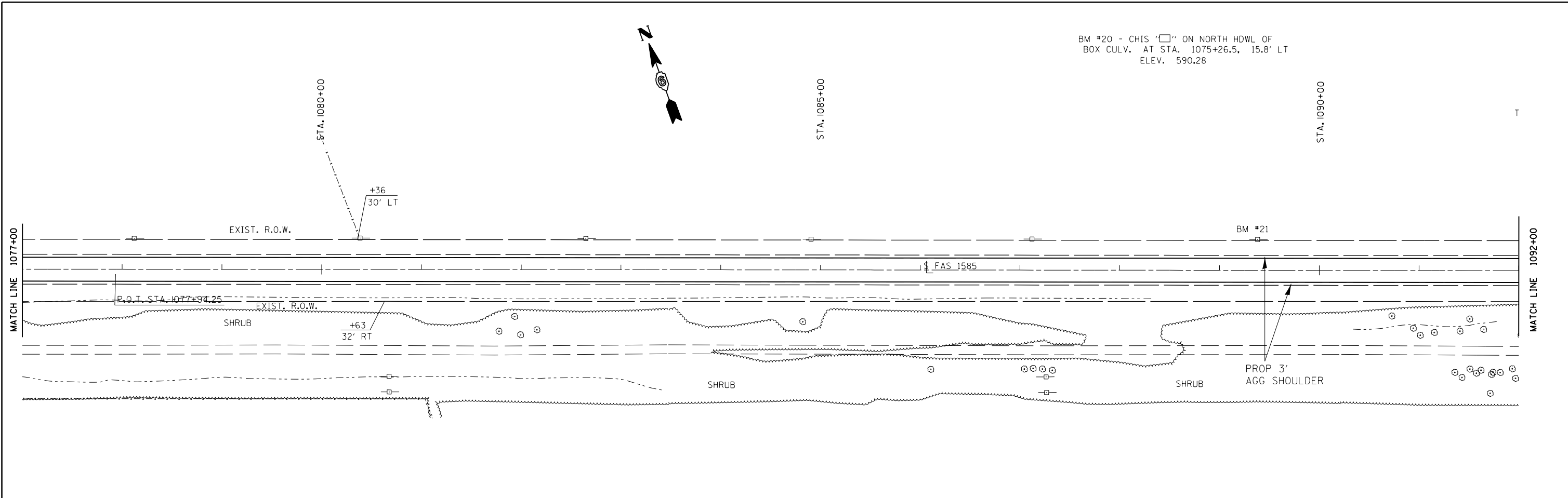
BM #18 - R.R. SPIKE IN POWER POLE
 AT STA. 1046+55, 30.5' LT
 ELEV. 592.27

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PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -	CONTRACT NO. 72E28									
PLOT DATE = Mar-25-2011 10:16:38AM	DATE -	REVISED -	ILLINOIS FED. AID PROJECT									
				SCALE:		SHEET NO.	OF SHEETS	STA.	TO STA.			



FILE NAME = c:\pwwork\pwwork\sparksgw\10255669\10672E28-sht-plan sheets.dgn	USER NAME = Sparksgw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -					1585	4R5-6	MASON	27	18
PLOT DATE = Mar-25-2011 10:16:39AM	DATE -	REVISED -	REVISED -	SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO. 72E28					
							ILLINOIS FED. AID PROJECT					

BM #20 - CHIS '□' ON NORTH HDWL OF
BOX CULV. AT STA. 1075+26.5, 15.8' LT
ELEV. 590.28

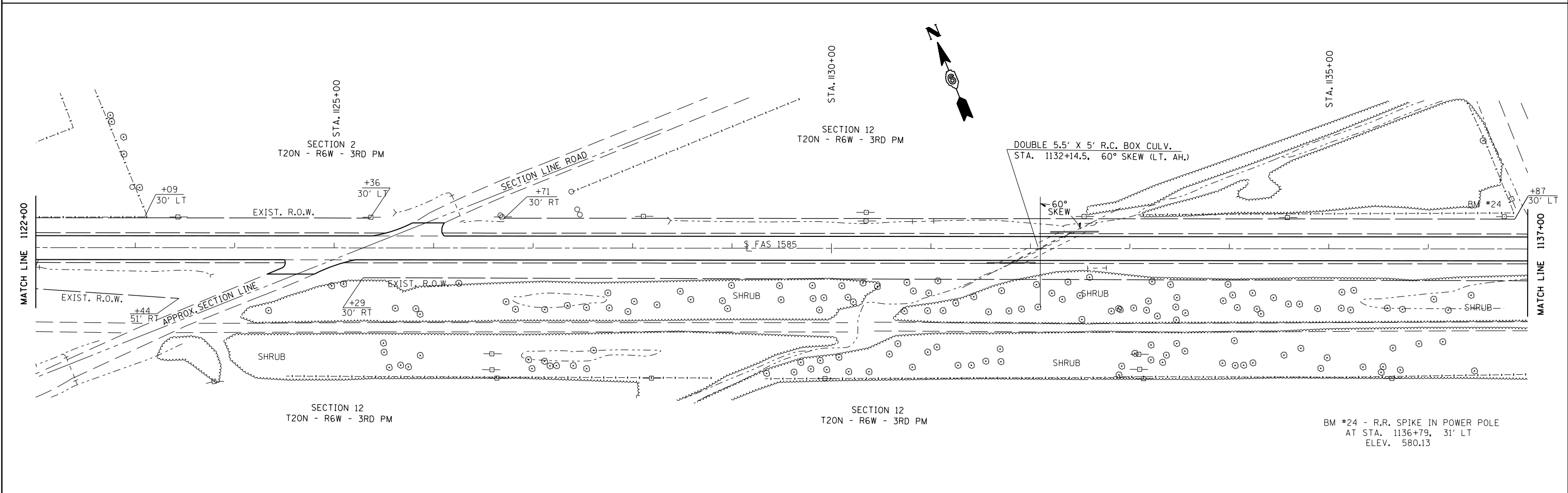
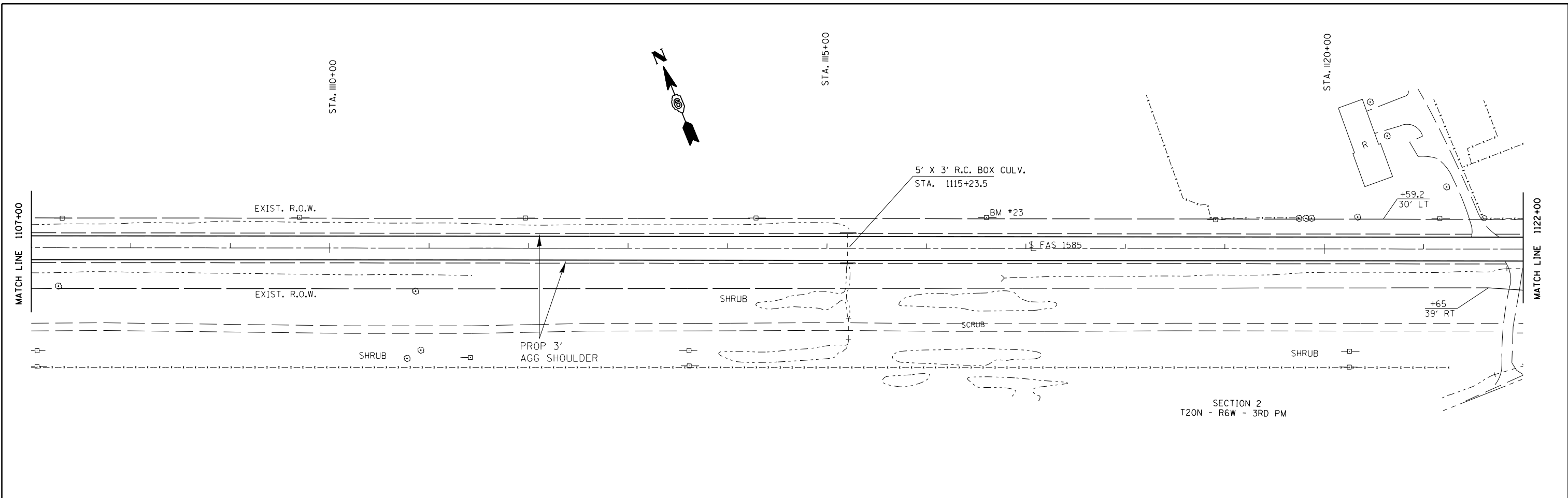


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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

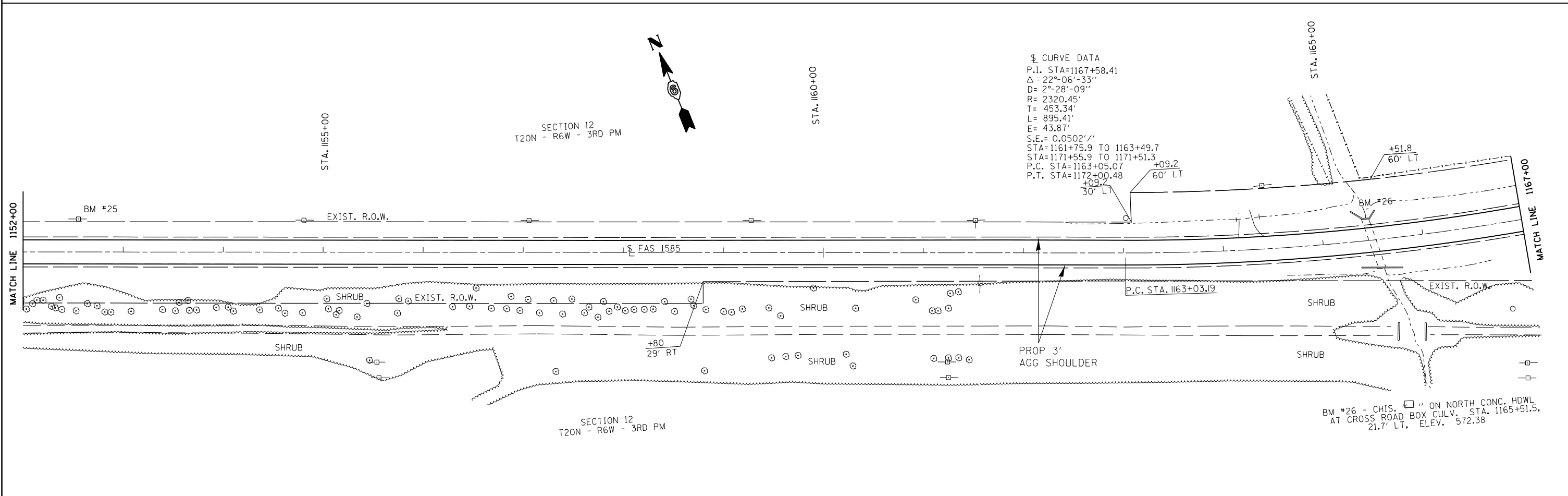
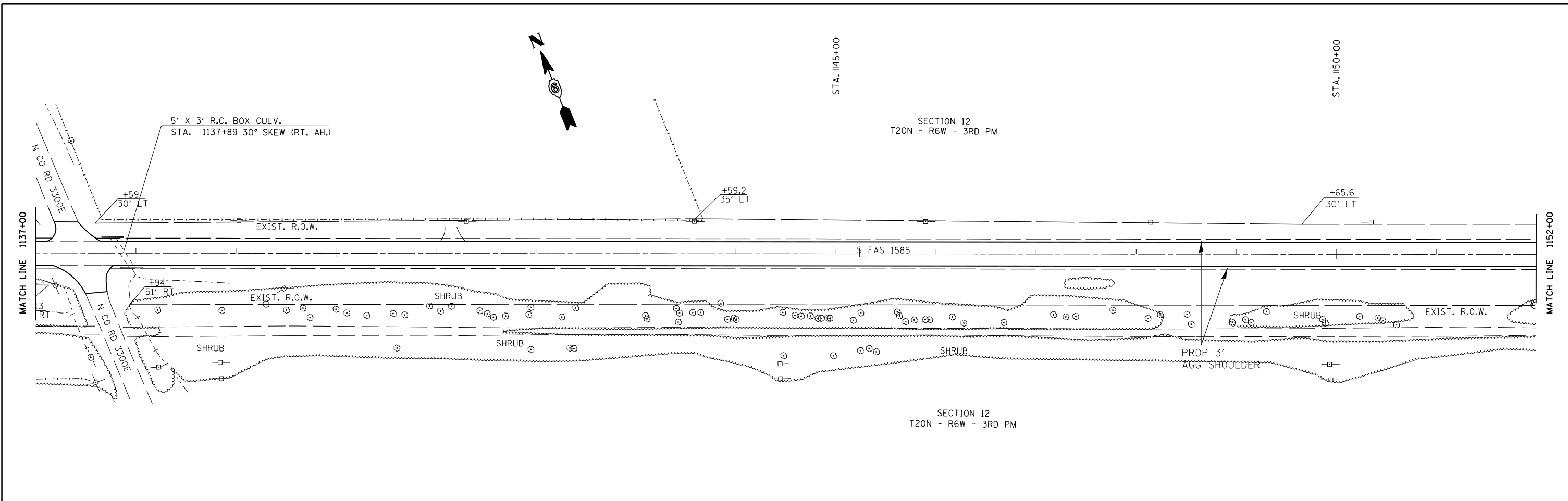
PLAN SHEET			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1585	4RS-6	MASON	27	19
CONTRACT NO. 72E28				
ILLINOIS FED. AID PROJECT				



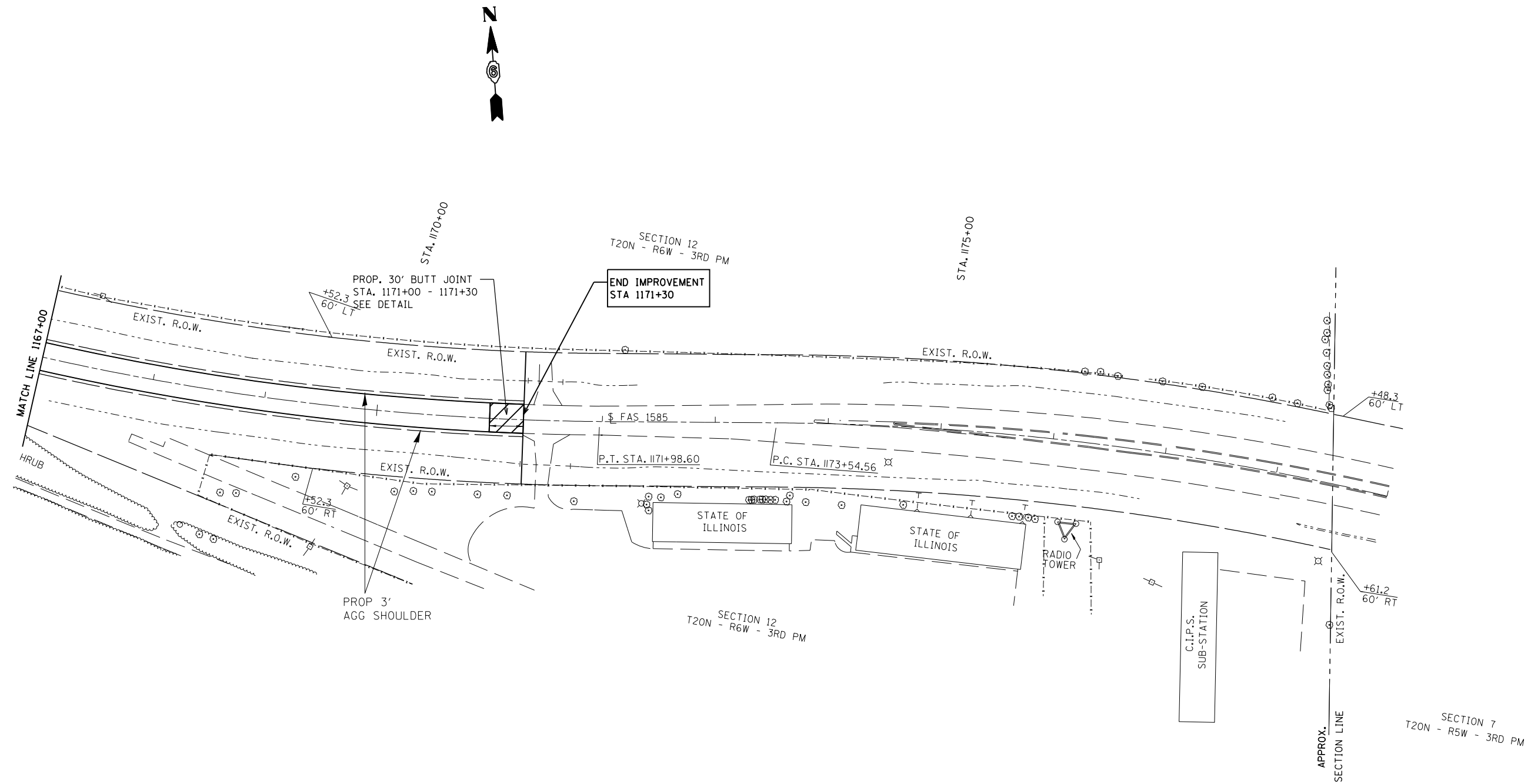
BM #24 - R.R. SPIKE IN POWER POLE
AT STA. 1136+79, 31' LT
ELEV. 580.13

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PLOT SCALE = 100.0000' / in.		CHECKED -	REVISED -		CONTRACT NO. 72E28							
PLOT DATE = Mar-25-2011 10:16:40AM		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							
				SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.				



BM #26 - CHIS. " " ON NORTH CONC. HDWL AT CROSS ROAD BOX CULV. STA. 1165+51.5, 21.7' LT, ELEV. 572.38

FILE NAME =	USER NAME = Sparksgw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN SHEET			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = Mar-25-2011 10:16:40AM		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							
				SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.				



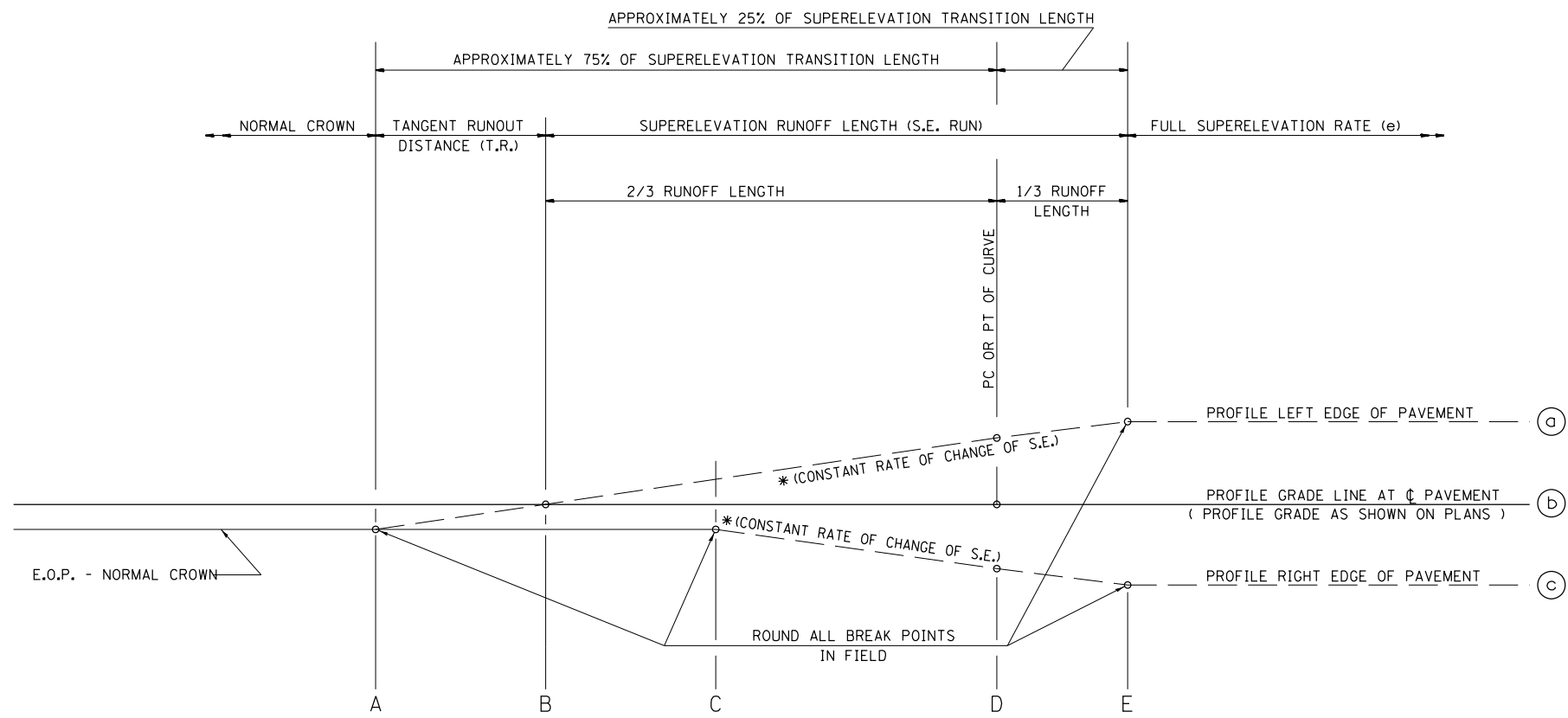
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN SHEET

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

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1585	4RS-6	MASON	27	22
CONTRACT NO. 72E28				
ILLINOIS FED. AID PROJECT				



TYPICAL PROFILE - S.E. TRANSITION

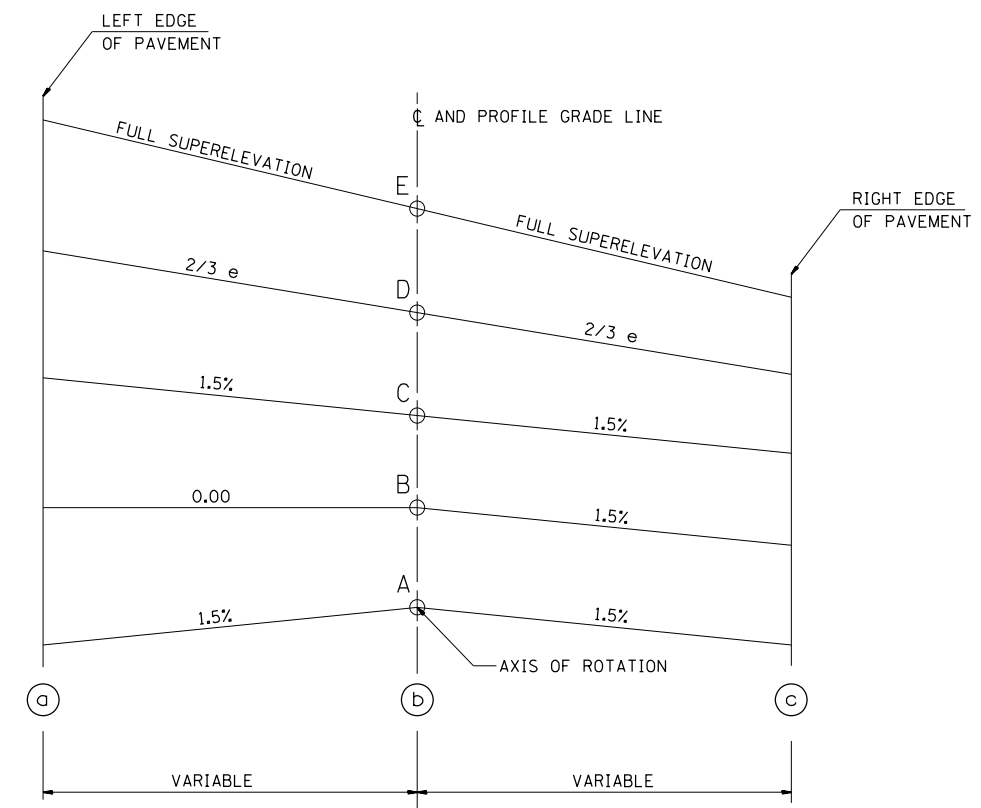
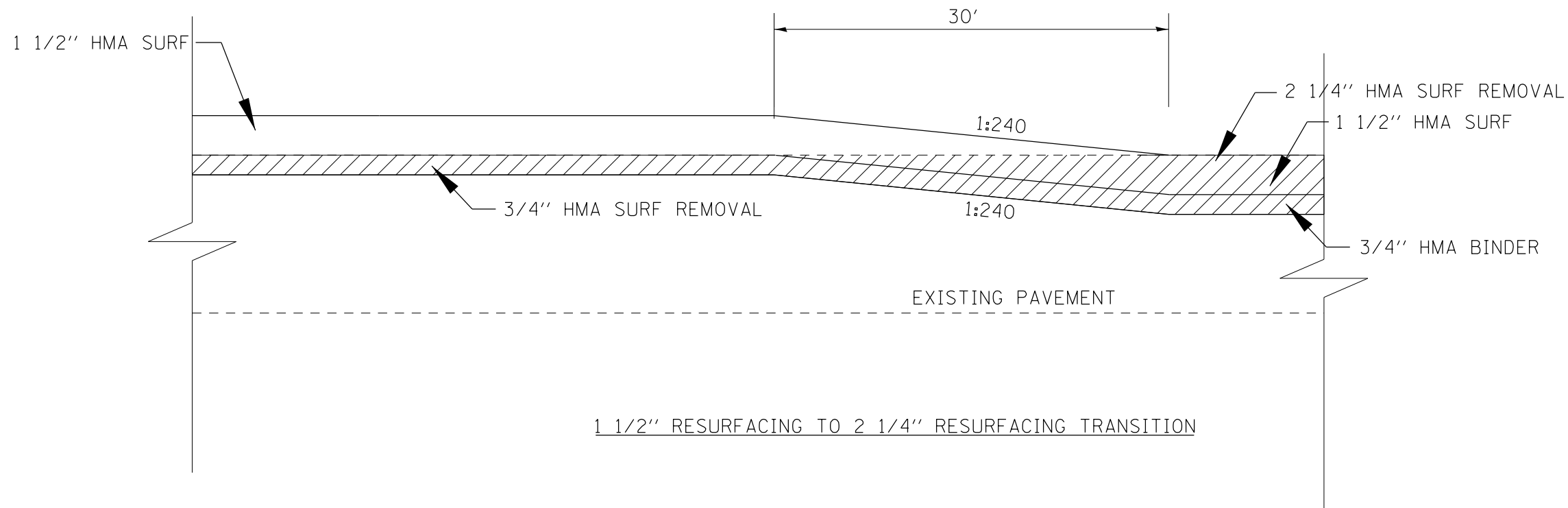
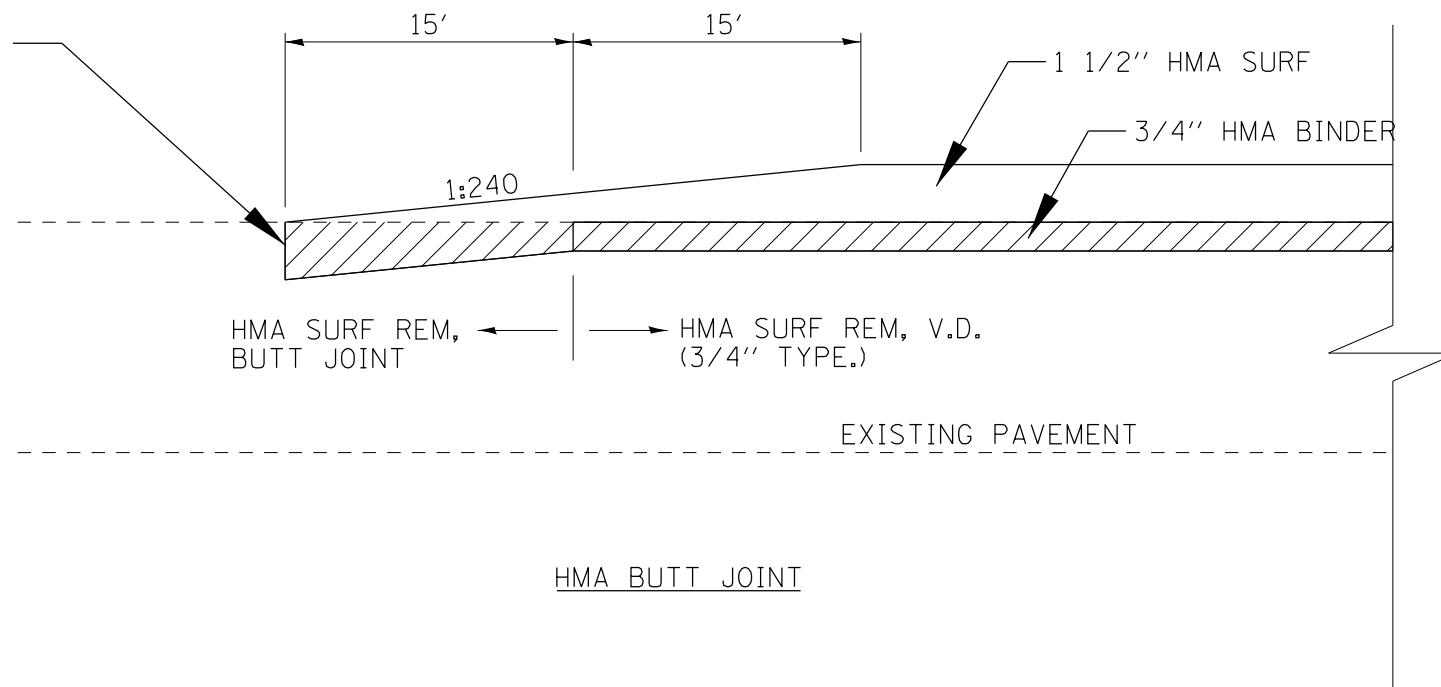


TABLE OF SUPERELEVATION BREAK POINT LOCATIONS							TRANSITION
CURVE NO.	e	A	B	C	D	E	
							Trans.In
1	6.00%	Sta. 837+88.551	Sta. 838+28.53	Sta. 838+68.509	Sta. 839+34.43	Sta. 839+87.38	Trans.Out
1	6.00%	Sta. 852+10.139	Sta. 851+70.16	Sta. 851+30.181	Sta. 850+64.26	Sta. 850+11.31	Trans.In
2	5.50%	Sta. 856+39.126	Sta. 856+79.113	Sta. 857+19.101	Sta. 857+76.86	Sta. 858+25.733	Trans.Out
2	5.50%	Sta. 870+05.834	Sta. 869+65.847	Sta. 869+25.859	Sta. 868+68.1	Sta. 868+19.227	Trans.In
3	5.80%	Sta. 932+66.917	Sta. 933+06.83	Sta. 933+46.743	Sta. 934+10.25	Sta. 934+61.96	Trans.Out
3	5.80%	Sta. 938+92.693	Sta. 938+52.78	Sta. 938+12.867	Sta. 937+49.36	Sta. 936+97.65	Trans.In
4	5.60%	Sta. 937+28.868	Sta. 937+68.797	Sta. 938+08.725	Sta. 938+68.53	Sta. 939+18.397	Trans.Out
4	5.60%	Sta. 945+28.402	Sta. 944+88.473	Sta. 944+48.545	Sta. 943+88.74	Sta. 943+38.873	Trans.In
5	NORMAL CROWN	-	-	-	Sta. 945+43.5	-	Trans.Out
5	NORMAL CROWN	-	-	-	Sta. 955+72.34	-	Trans.In
6	NORMAL CROWN	-	-	-	Sta. 980+08.89	-	Trans.Out
6	NORMAL CROWN	-	-	-	Sta. 1000+04.6	-	Trans.In
7	5.00%	Sta. 1161+75.938	Sta. 1162+15.903	Sta. 1162+55.868	Sta. 1163+05.07	Sta. 1163+49.653	Trans.Out
7	5.00%	Sta. 1171+51.278	Sta. 1171+11.313	Sta. 1170+71.348	Sta. 1172+00.48	Sta. 1171+55.897	Trans.In

1 1/2" SAW CUT (COST TO BE INCLUDED IN HMA SURFACE REMOVAL, BUTT JOINT)



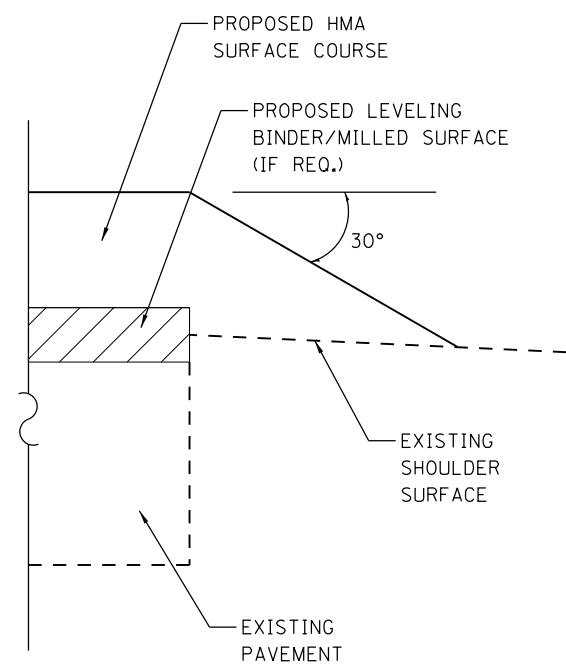
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

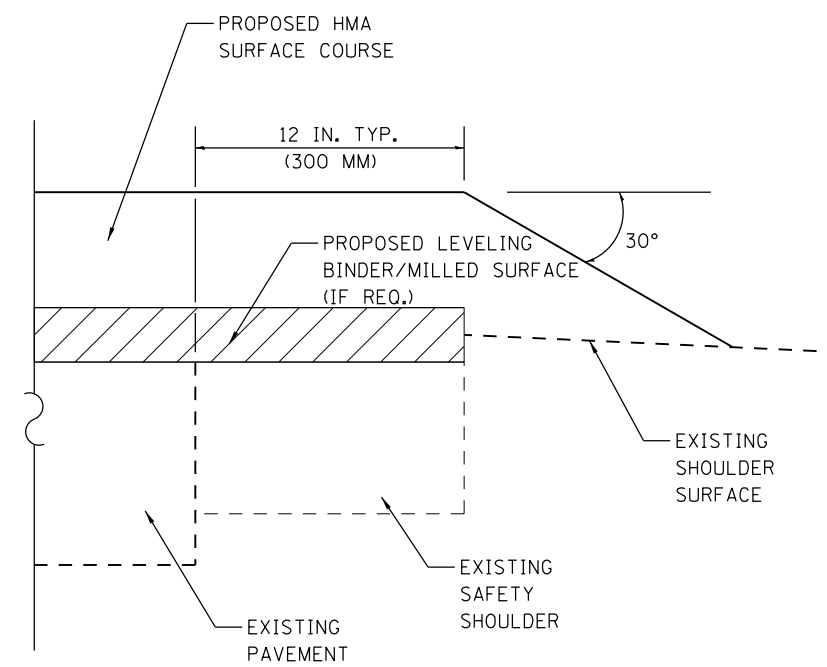
TRANSITION DETAILS

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1585	3RS-4	MASON	27	24
CONTRACT NO. 72E28				
ILLINOIS FED. AID PROJECT				



SAFETY EDGE AT EDGE OF EXISTING PAVEMENT



SAFETY EDGE AT EDGE OF EXISTING SAFETY SHOULDER

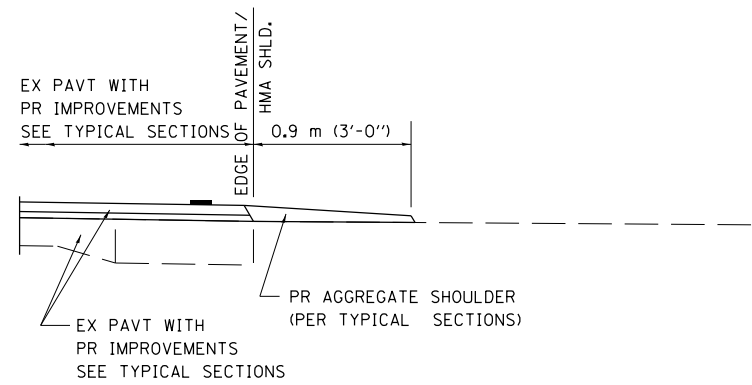
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

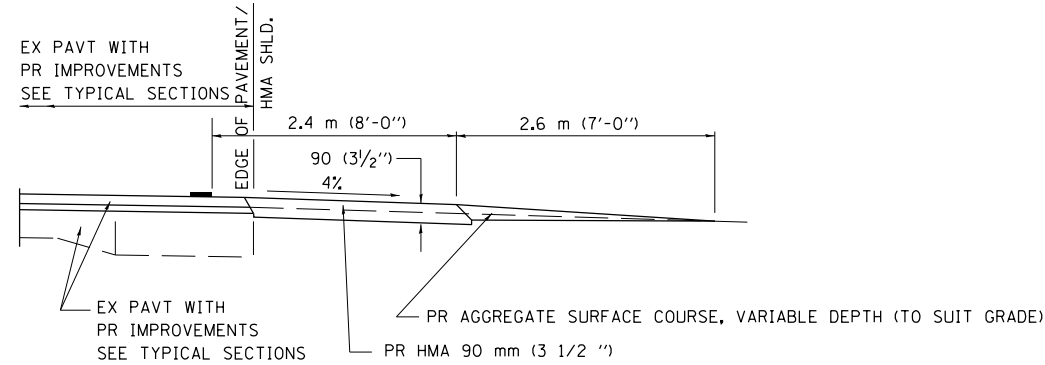
SAFETY EDGE DETAILS

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

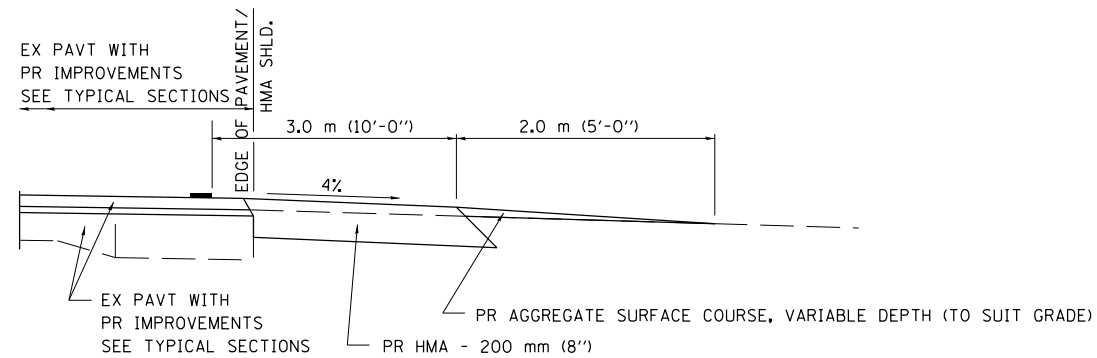
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1585	4RS-6	MASON	27	25
CONTRACT NO. 72E28				
ILLINOIS FED. AID PROJECT				



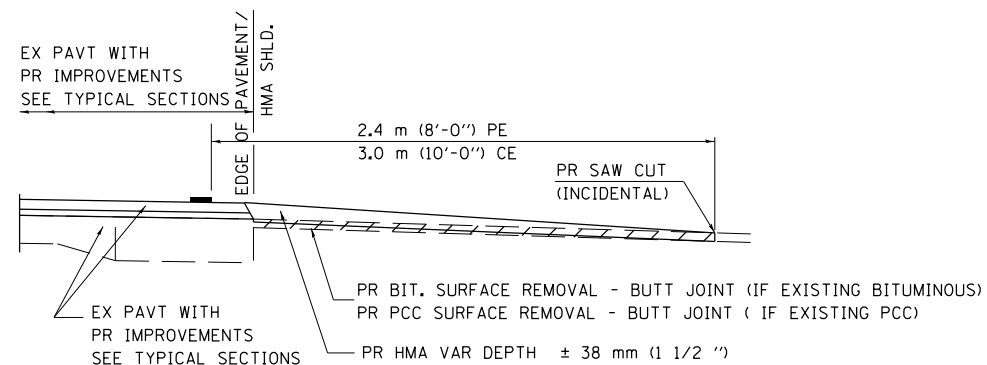
SECTION A-A FOR EX EARTH/ AGGREGATE FE



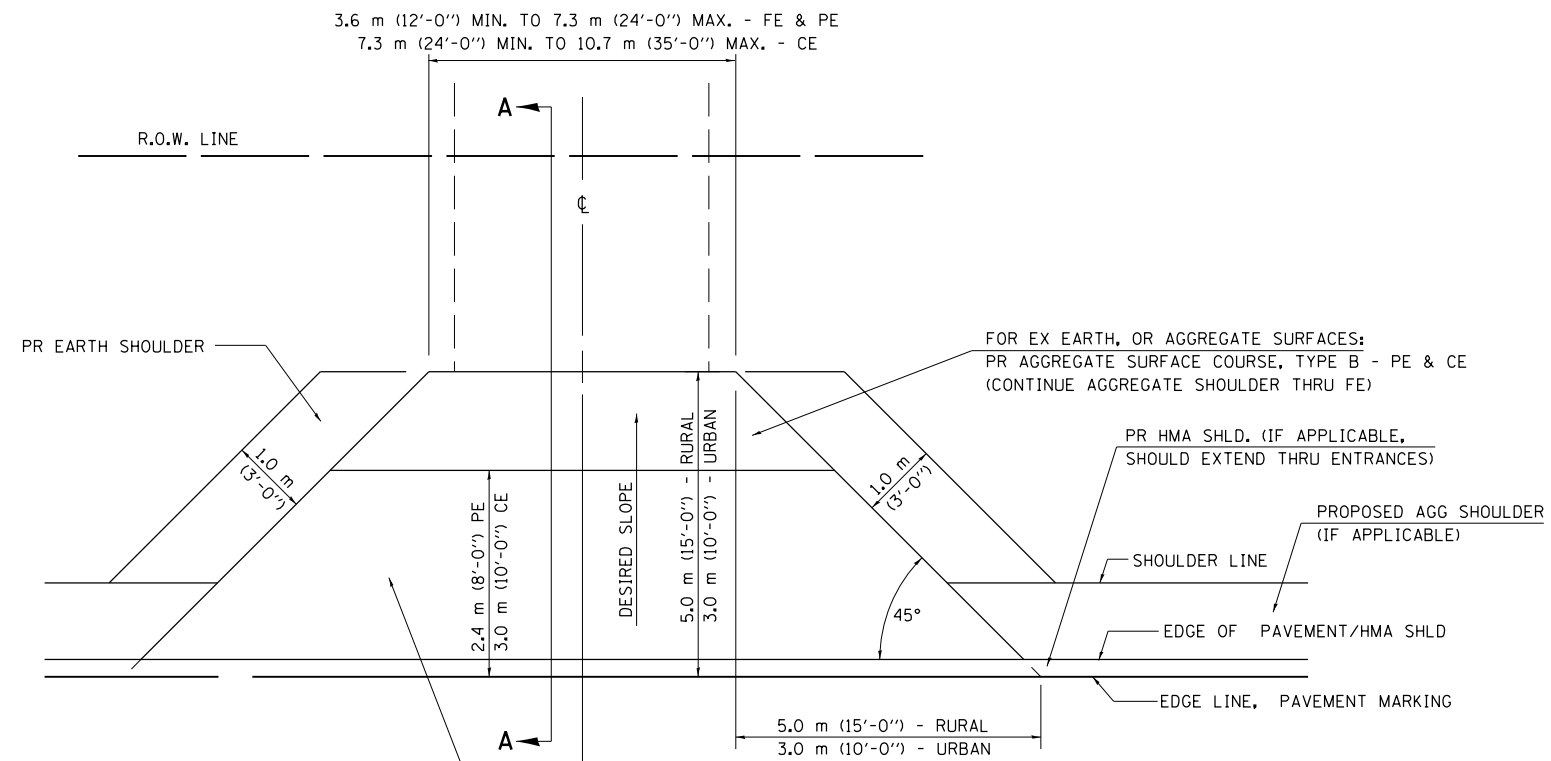
SECTION A-A FOR EX EARTH/AGGREGATE PE



SECTION A-A FOR EX EARTH/AGGREGATE CE & SIDE ROAD



SECTION A-A FOR EX BITUMINOUS/ PC CONCRETE PE, CE & SIDE ROAD



FOR EX EARTH OR AGGREGATE SURFACES:
 PR BIT SURFACE REMOVAL (IF APPLICABLE)
 PR AGGREGATE SHOULDER THRU - FE
 PR BITUMINOUS CONCRETE 90 mm (3 1/2") - PE
 PR BITUMINOUS CONCRETE 200mm (8") - CE

FOR EX BITUMINOUS CONCRETE SURFACES:
 PR BITUMINOUS SURFACE REMOVAL-BUTT JOINT

FOR EX PCC SURFACES:
 PR PCC SURFACE REMOVAL-BUTT JOINT

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.

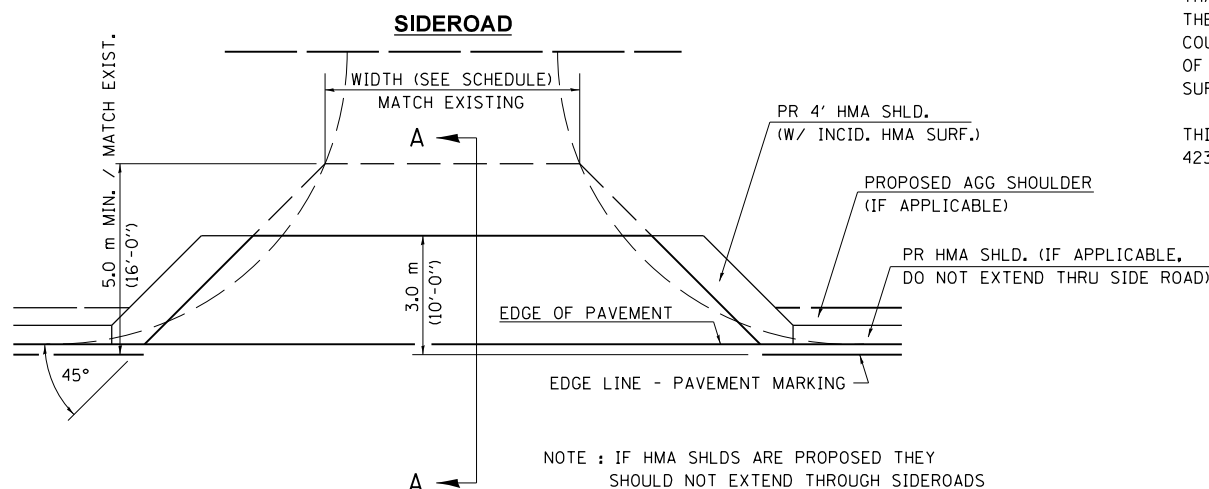
ANY WORK THE ENGINEER REQUIRES WHICH IS NOT COVERED BY A PAY ITEM CONTAINED IN THE PLANS WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

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, 358, 408, 423 AND 440 OF THE STANDARD SPECIFICATIONS.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE SHOWN.



NOTE : IF HMA SHLDS ARE PROPOSED THEY SHOULD NOT EXTEND THROUGH SIDEROADS

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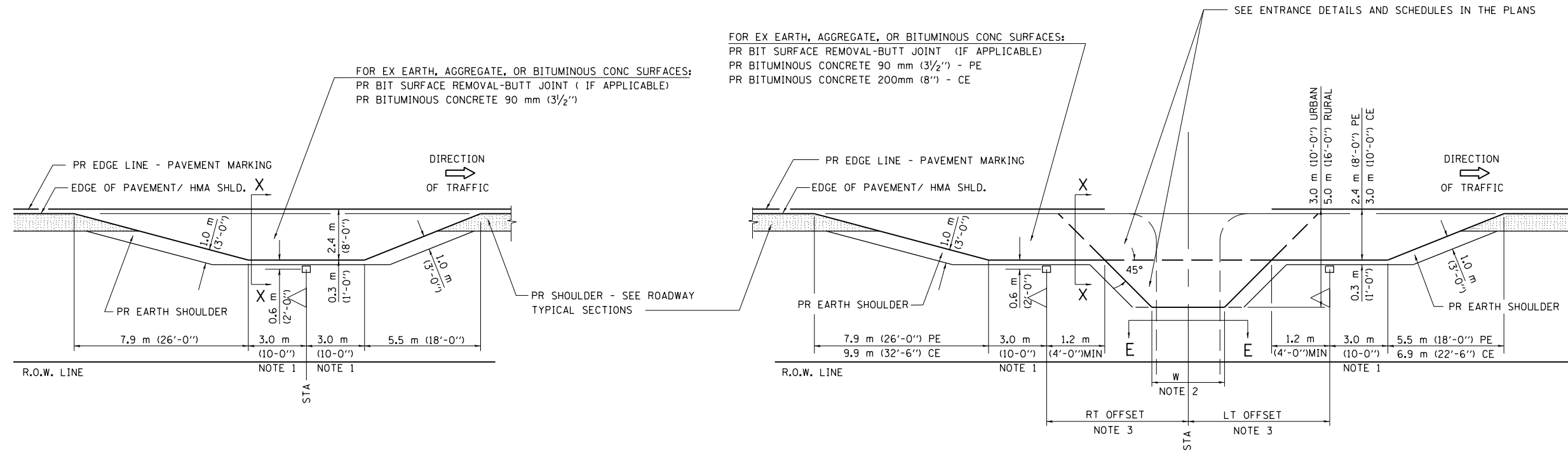
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**DIST.6 DETAILS FOR RURAL/URBAN ENT., MAILBOX
 TURNOUT & SIDEROADS W/O CONC. GUTTER (3P-PROJ.)**

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

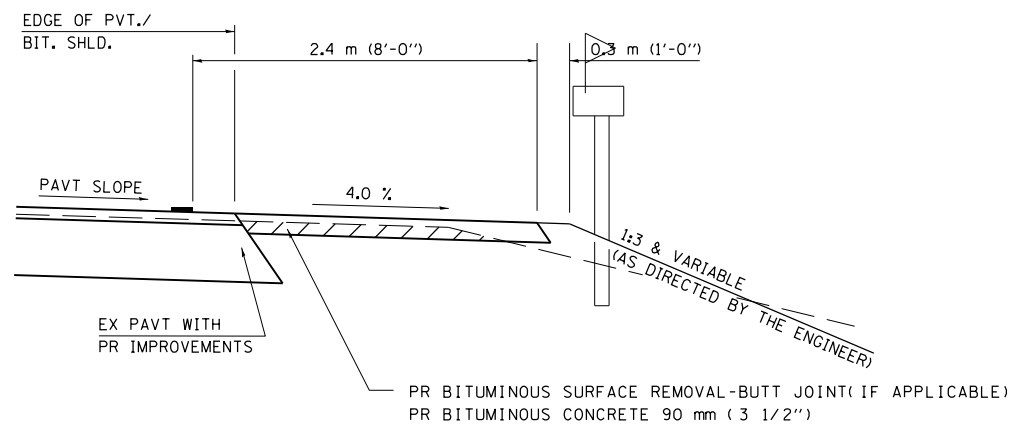
F.A.S RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1585	4RS-6	MASON	27	26
CONTRACT NO. 72E28				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DETAILS OF MAILBOX TURNOUTS



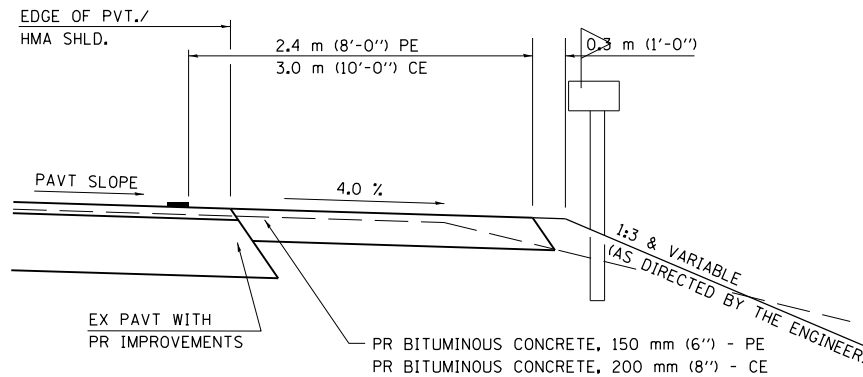
PLAN - MAILBOX TURNOUTS

PLAN - COMBINED MAILBOX TURNOUT WITH TRAILING OR LEADING ENTRANCE



**SECTION X-X THRU MAILBOX TURNOUT
ALSO APPLIES TO MAILBOX TURNOUTS COMBINED WITH
EX EARTH, AGGREGATE, OR BITUMINOUS PE & FE**

(DETAIL APPLIES WHEN M.B. TURNOUT DOES NOT EXIST.
IF EXISTING, TREAT SAME AS ENTRANCE.)



**SECTION X-X THRU MAILBOX TURNOUT
COMBINED WITH EX BITUMINOUS CONC & PC CONC PE & CE**

(DETAIL APPLIES WHEN M.B. TURNOUT DOES NOT EXIST.
IF EXISTING, TREAT SAME AS ENTRANCE.)

- NOTE 1 IF MORE THAN ONE MAILBOX IS PRESENT, DIMENSION FROM CENTER OF END MAILBOX.
- NOTE 2 FOR ENTRANCE LAYOUT DIMENSIONS AND SECTIONS A-A & E-E REFER TO THE SCHEDULES IN THE PLANS.
- NOTE 3 BOTH LT OR RT OFFSETS FOR MAILBOX SHOWN USE OFFSET DIMENSION PER SCHEDULE AND REFER TO LAYOUT SHOWN ON THE PLAN.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES)
UNLESS OTHERWISE SHOWN.

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ENT PPP.DGN	et:\pw\work\p\idot\sparksgw\10255669\ent\ppp.dgn	DRAWN - CADD	REVISED - 4/01/04 JCN
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	PLOT DATE = Mar-25-2011 10:16:50AM	DATE - FEBRUARY 23, 1999	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DIST. 6 DETAILS FOR RURAL/URBAN ENT., MAILBOX
TURNOUT & SIDEROADS W/O CONC. GUTTER (3P-PROJ.)**

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
1585	4RS-6	MASON	27	27
CONTRACT NO. 72E28				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				