

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAI 80: (INTERSTATE 80)
SECTION 2007-043 I
INTERSTATE 55 TO US 30
HIGH TENSION CABLE MEDIAN BARRIER
PROJECT: ACHSIP-080-4 (188)126
WILL COUNTY
C-91-005-08

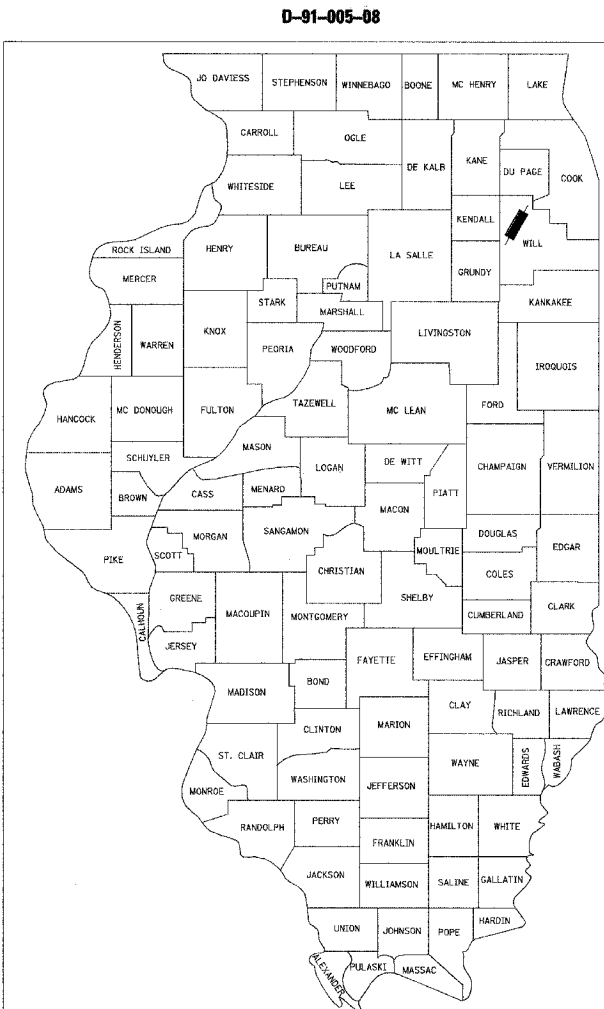
SECTION	COUNTY	SHEETS
80	WILL	28
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO.
		60D33

FOR INDEX OF SHEETS, SEE SHEET NO. 2

TRAFFIC DATA

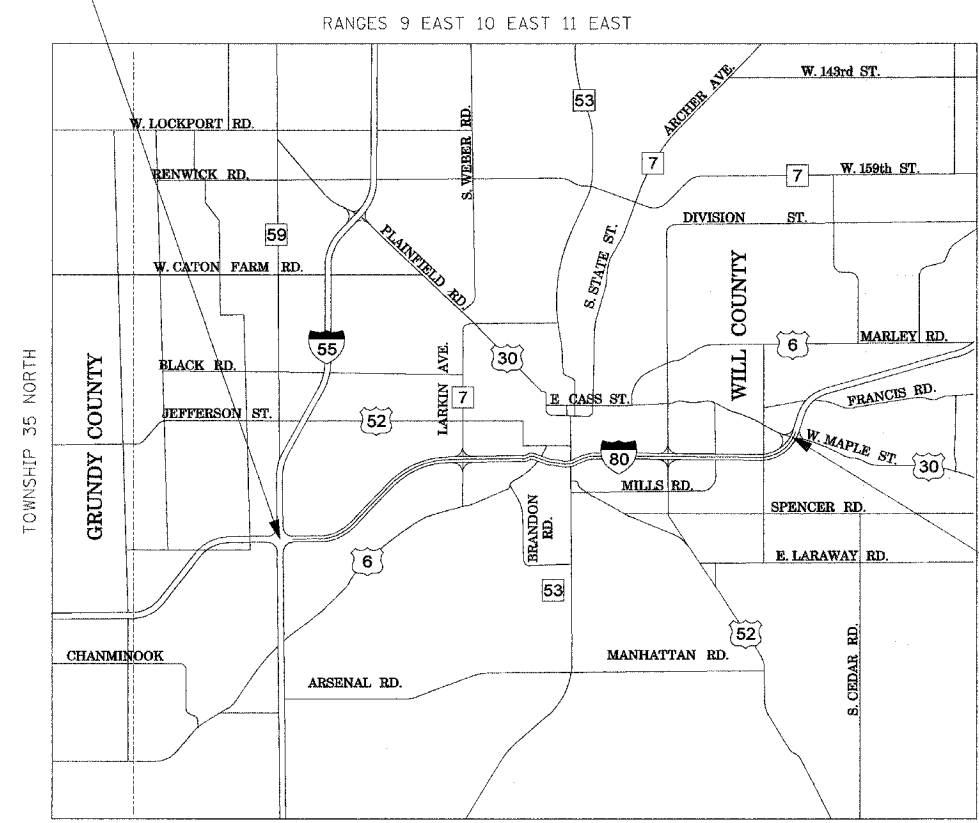
EXISTING ADT = 76,000 TO 101,900 (2005)
PROPOSED SPEED LIMIT = 55 MPH

THE IMPROVEMENT IS LOCATED WITHIN THE CITY OF JOLIET AND THE VILLAGE OF NEW LENOX IN WILL COUNTY



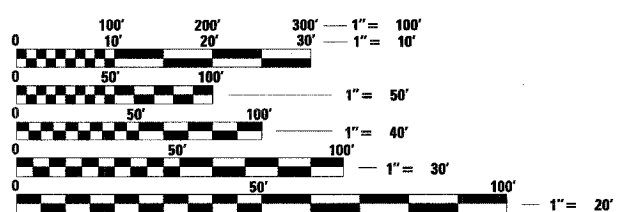
LOCATION OF SECTION INDICATED THUS: - [Black Box] -

IMPROVEMENT BEGINS
STA. 64+00



Exp. 11-30-07
PETER M. JOHNSTON
062-047647
REGISTERED
PROFESSIONAL
ENGINEER
OF
ILLINOIS
11-2-07

IMPROVEMENT ENDS
STA. 667+00



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 PETER JOHNSTON (GAS) 773-399-0112
PROJECT MANAGER KEN ENG (IDOT) 847-705-4247

CONTRACT NO. 60D33

GROSS AND NET LENGTH OF IMPROVEMENT: 60,300 FT (11.42 MILES)

GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
ENGINEERS & SCIENTISTS
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631
(773) 399-0112

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Nov. 6 2007

Diane O'Keefe/Cat
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER
December 7, 2007

Eric E. Narm/ID
INTERIM ENGINEER OF DESIGN AND ENVIRONMENT
December 7, 2007

Christine M. Reed/ID
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

INDEX OF SHEETS

1	COVER SHEET
2	INDEX OF SHEETS, STATE STANDARDS AND GENERAL NOTES
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4	SCHEDULE OF QUANTITIES
5	TYPICAL SECTIONS
6-27	EXISTING AND PROPOSED ROADWAY PLAN
28	TRAFFIC CONTROL FOR FREEWAY SHOULDER CLOSURES PARTIAL RAMP CLOSURES

STATE STANDARDS

STD. NO.	DESCRIPTION
701101-01	OFF-RD OPERATIONS, MULTILANE, LESS THAN 15' (4.5 M) TO 24" (600 MM) FROM PAVEMENT EDGE
701400-02	APPROACH TO LANE CLOSURE, FREEWAY/ EXPRESSWAY
701406-04	LANE CLOSURE, FREEWAY/ EXPRESSWAY, DAY OPERATIONS ONLY
701901	TRAFFIC CONTROL DEVICES

GENERAL NOTES

1. BEFORE STARTING ANY EXCAVATION, THE CONTRACTOR SHALL CALL "J.U.L.I.E." AT 800-892-0123 OR "CUAN" (CHICAGO UTILITY ALERT NETWORK), 312-744-7000 FOR FIELD LOCATIONS OF BURIED ELECTRIC, TELEPHONE AND GAS FACILITIES. (48 HOUR NOTIFICATION IS REQUIRED).
2. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES.
3. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
4. THE CONTRACTOR SHALL CALL STATE ELECTRICAL CONTRACTOR AT (773) 287-7600 TO LOCATE STATE OWNED FACILITIES.
5. THE CONTRACTOR SHALL WORK IN THE DIRECTION OF TRAFFIC.
6. THE CONTRACTOR WILL NOT BE ALLOWED TO STORE MATERIALS OVERNIGHT IN THE MEDIAN
7. FINAL LOCATIONS OF THE HIGH TENSION CABLE MEDIAN BARRIER TERMINAL SHALL BE DETERMINED BY THE ENGINEER.



GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
CHICAGO, ILLINOIS

FILE NAME = *FILEL*	USER NAME = _USER_	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX OF SHEETS, STATE STANDARDS, AND GENERAL NOTES			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 18.0000' / IN.	DRAWN - EAD	REVISED -		80	2007-043 I	WILL	28	2			
	PLOT DATE = 11/7/2007	CHECKED - PJ	REVISED -		SCALE: N.T.S. SHEET NO. 2 OF 28 SHEETS STA. TO STA.			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		CONTRACT NO. 60D33		

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SUMMARY OF QUANTITIES

ENGLISH	PAY ITEM DESCRIPTION	UNIT	TOTAL QUANTITY	90% FED. 10% STATE URBAN ROADWAY SFTY-4A
25000750	MOWING	ACRE	11	11
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	3	3
67100100	MOBILIZATION	L SUM	1	1
70400500	TEMPORARY CONCRETE BARRIER (STATE OWNED)	FOOT	390	390
X0325600	HIGH TENSION CABLE MEDIAN BARRIER DEMONSTRATION	EACH	1	1
X0325589	HIGH TENSION CABLE MEDIAN BARRIER	FOOT	48,530	48,530
X325590	HIGH TENSION CABLE MEDIAN BARRIER TERMINAL	EACH	28	28
X7011015	TRAFFIC CONTROL AND PROTECTION (EXPRESSWAYS)	L SUM	1	1
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
© 20076600	TRAINEES	HOUR	500	500

© 1080



GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
CONSULTING ENGINEERS AND LAND SURVEYORS
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631
(312) 399-0112

FILE NAME *	USER NAME = #USER#	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT DATE = 11/7/2007	DATE - 11/07/2007	REVISOR -	REVISOR -			SCALE: N.T.S.	SHEET NO. 3 OF 28 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

SCHEDULE OF QUANTITIES

HIGH TENSION CABLE MEDIAN BARRIER

STATION		TOTAL LENGTH (FT.)
FROM	TO	
66+50	93+50	2,700
95+00	100+00	500
101+00	150+00	4,900
153+00	201+00	4,800
202+00	240+50	3,850
244+00	269+50	2,550
270+70	295+00	2,430
297+00	321+00	2,400
323+70	361+20	3,750
406+50	410+20	370
440+20	468+10	2,790
482+10	560+75	7,865
562+00	626+25	6,425
627+25	659+25	3,200
TOTAL		48,530

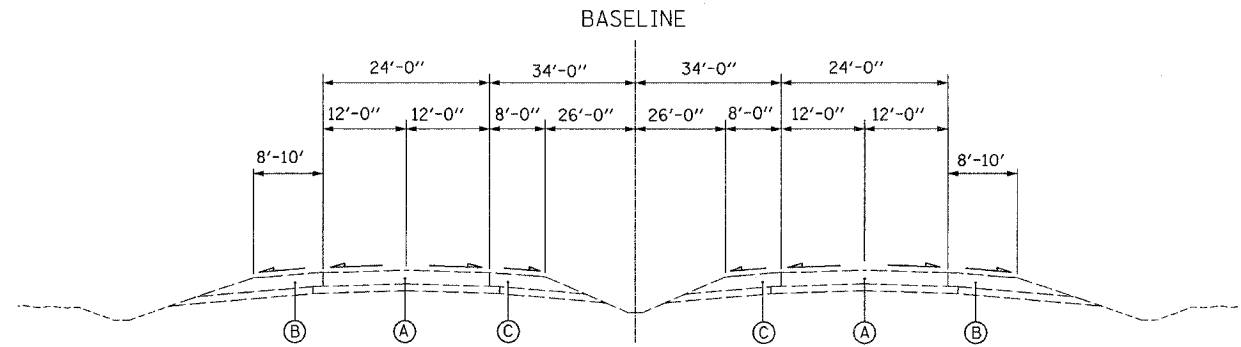
HIGH TENSION CABLE MEDIAN TERMINAL

STATION	UNIT (EACH)
66+50	1
93+50	1
95+00	1
100+00	1
101+00	1
150+00	1
153+00	1
201+00	1
202+00	1
240+50	1
244+00	1
269+50	1
270+70	1
295+00	1
297+00	1
321+00	1
323+70	1
361+20	1
406+50	1
410+20	1
440+20	1
468+10	1
482+10	1
560+75	1
562+00	1
626+25	1
627+25	1
659+25	1
TOTAL	28



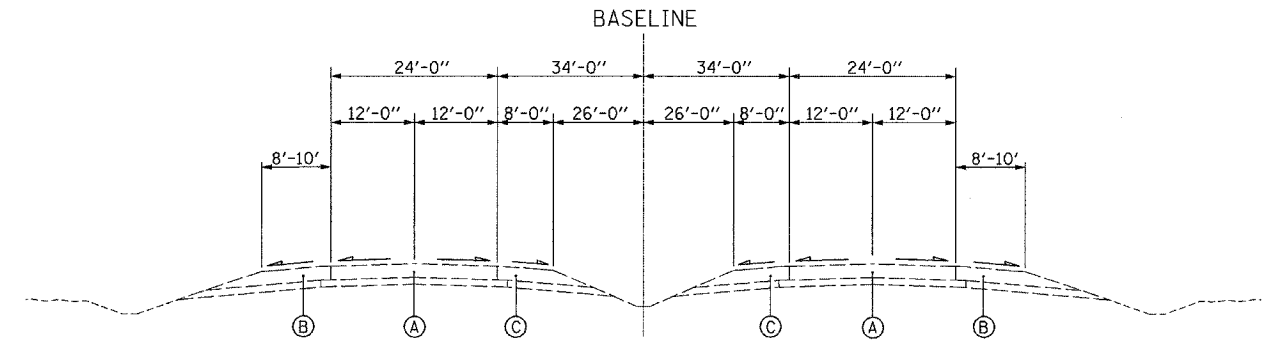
GRAEF, ANHALT, SCHLOEMER & ASSOCIATES, INC.
CONSULTING ENGINEERS AND LAND SURVEYORS
8501 W. Higgins Road, Suite 280
Chicago, Illinois 60631
(312) 399-0112

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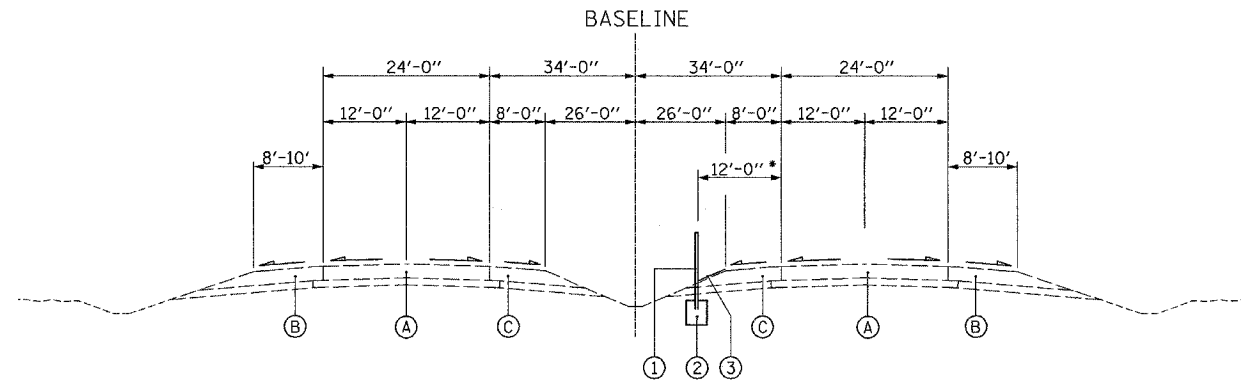
EXISTING F.A.I. 80 TYPICAL SECTION

STA. 95+00 TO STA. 201+00
 STA. 244+00 TO STA. 269+50
 STA. 297+00 TO STA. 560+75
 STA. 627+25 TO STA. 659+25



EXISTING F.A.I. 80 TYPICAL SECTION

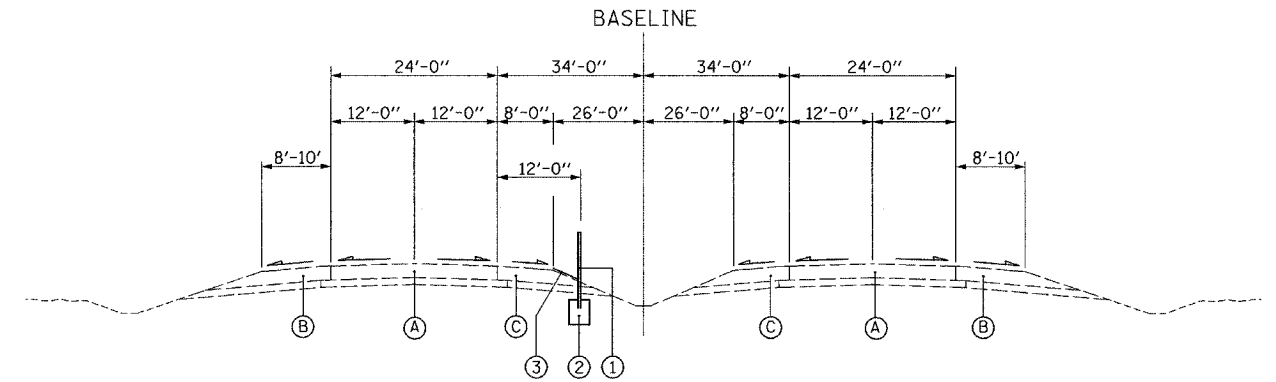
STA. 64+50 TO STA. 93+50
 STA. 202+00 TO STA. 240+50
 STA. 270+70 TO STA. 295+00
 STA. 562+00 TO STA. 626+25



PROPOSED F.A.I. 80 TYPICAL SECTION

STA. 95+00 TO STA. 201+00
 STA. 244+00 TO STA. 269+50
 STA. 297+00 TO STA. 560+75
 STA. 627+25 TO STA. 659+25

* 10' OFFSET
 FROM 323+70 TO 361+20
 FROM 440+20 TO 468+10



PROPOSED F.A.I. 80 TYPICAL SECTION

STA. 64+50 TO STA. 93+50
 STA. 202+00 TO STA. 240+50
 STA. 270+70 TO STA. 295+00
 STA. 562+00 TO STA. 626+25

EXISTING CONDITIONS:

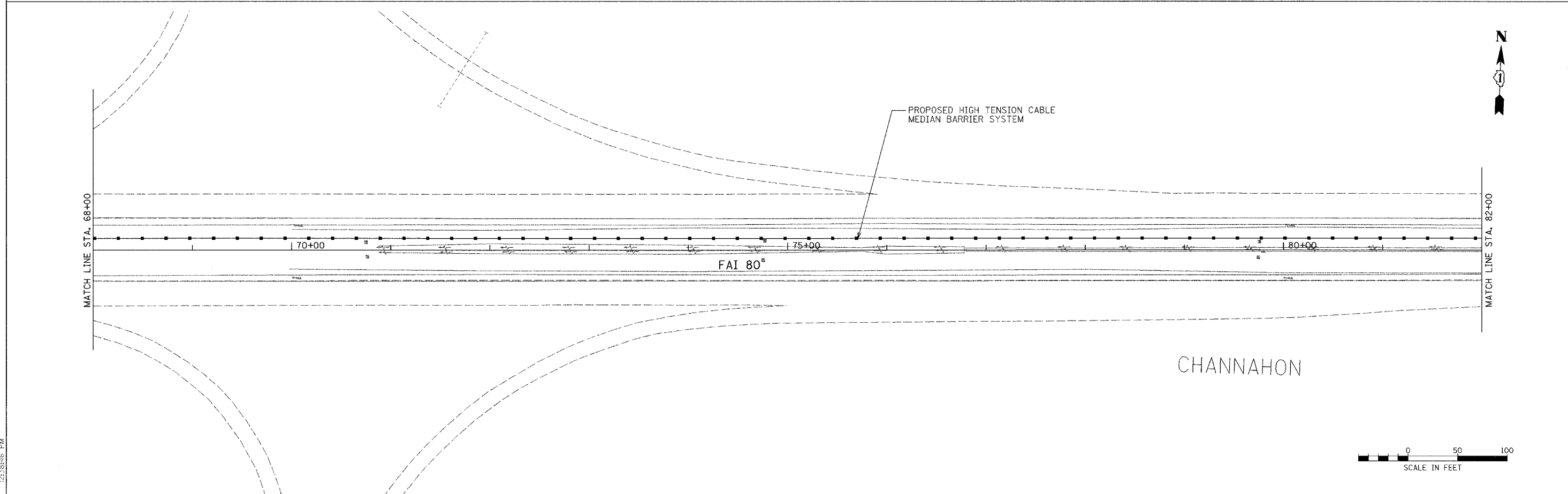
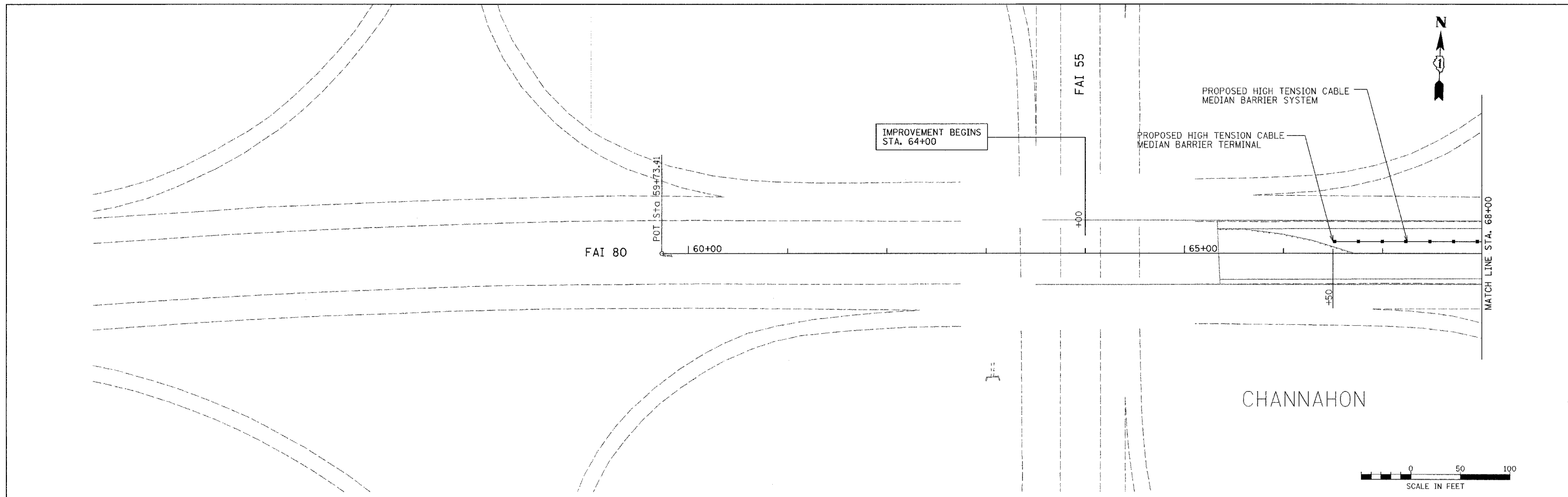
- Ⓐ TRAVELED WAY
- Ⓑ RIGHT SHOULDER
- Ⓒ LEFT SHOULDER

PROPOSED IMPROVEMENTS:

- ① HIGH TENSION CABLE GUARDRAIL SYSTEM
- ② CONCRETE FOUNDATION- INCLUDED IN THE COST OF THE APPLICABLE HIGH TENSION CABLE MEDIAN BARRIER
- ③ PROPOSED MOWING, (10' WIDE)

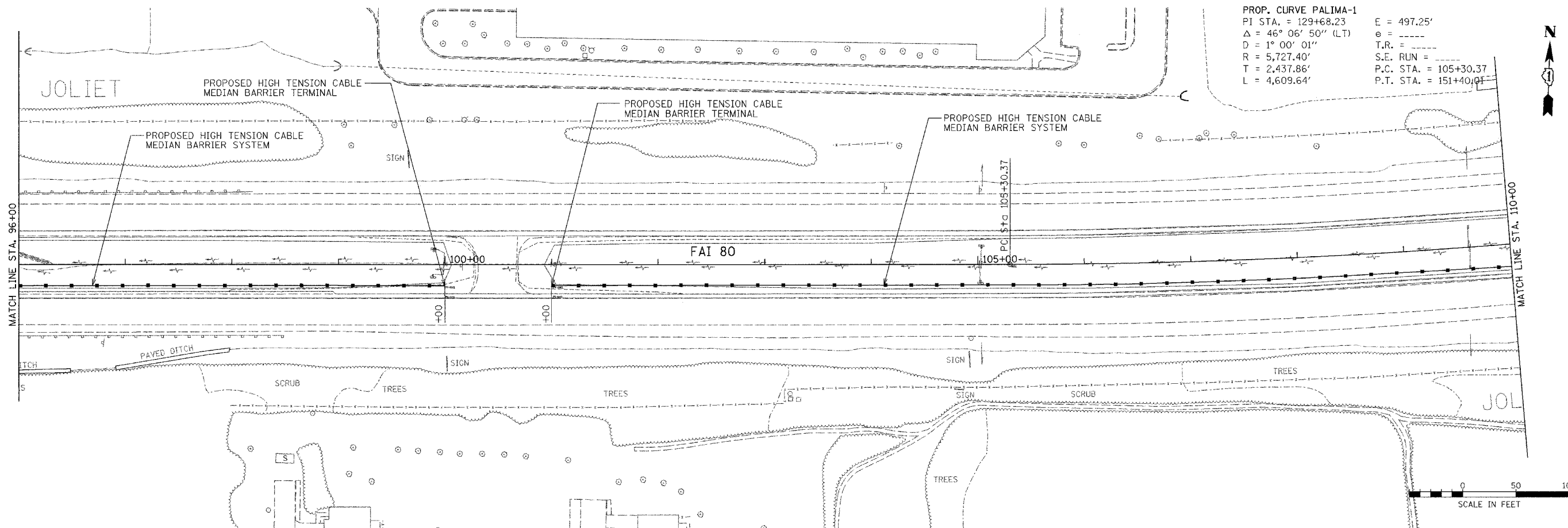
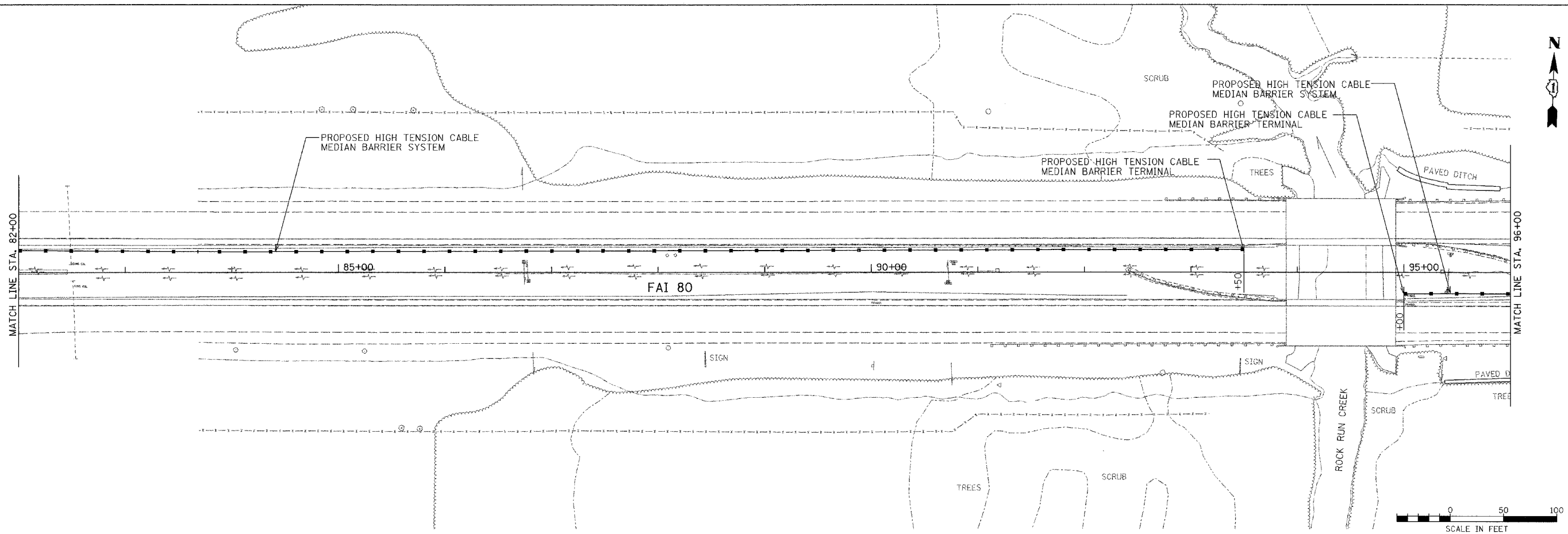
ALL FOUNDATIONS SHOULD BE 42" DEEP AS A MINIMUM.

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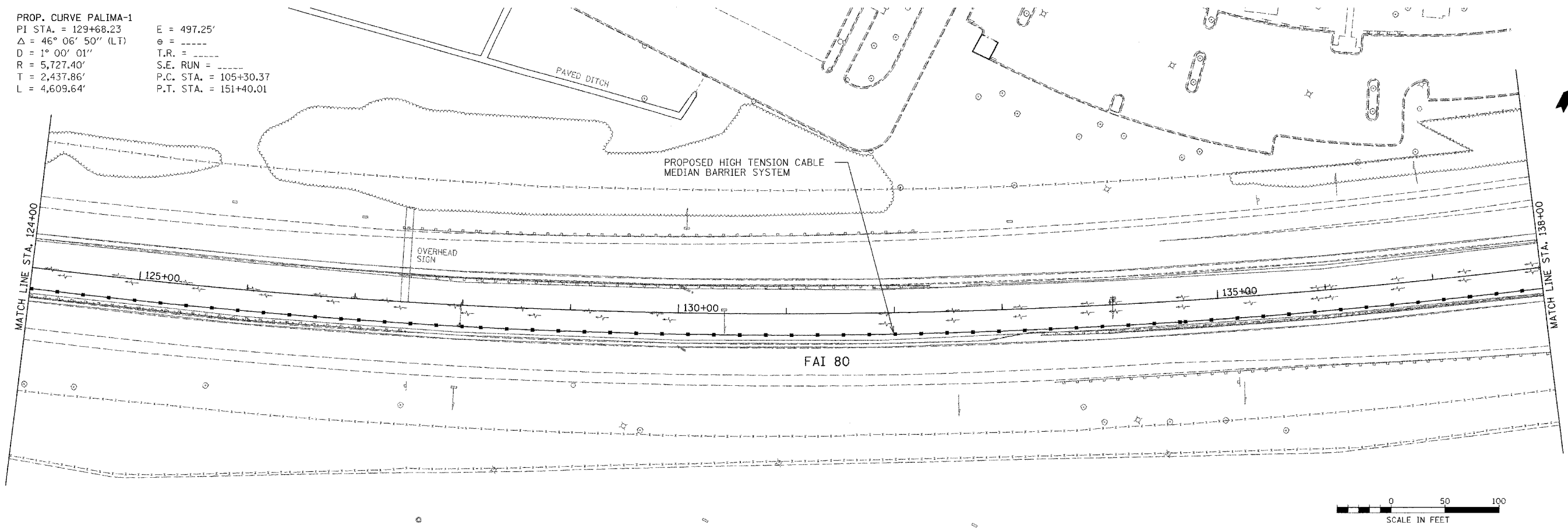
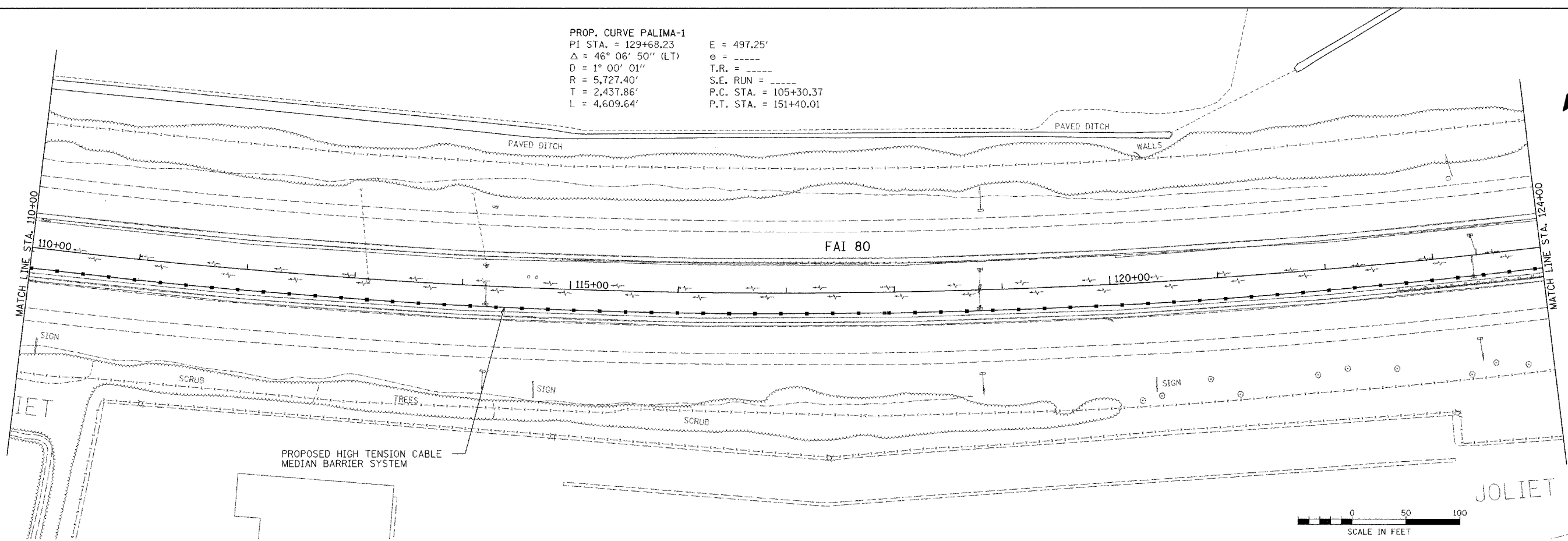
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		DATE - 11/07/2007	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							



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								ILLINOIS FED. AID PROJECT				

PROP. CURVE PALIMA-1
 PI STA. = 129+68.23 E = 497.25'
 $\Delta = 46^\circ 06' 50''$ (LT) $\theta = \text{-----}$
 D = 1° 00' 01" T.R. = -----
 R = 5,727.40' S.E. RUN = -----
 T = 2,437.86' P.C. STA. = 105+30.37
 L = 4,609.64' P.T. STA. = 151+40.01

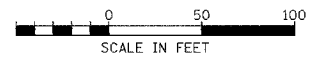
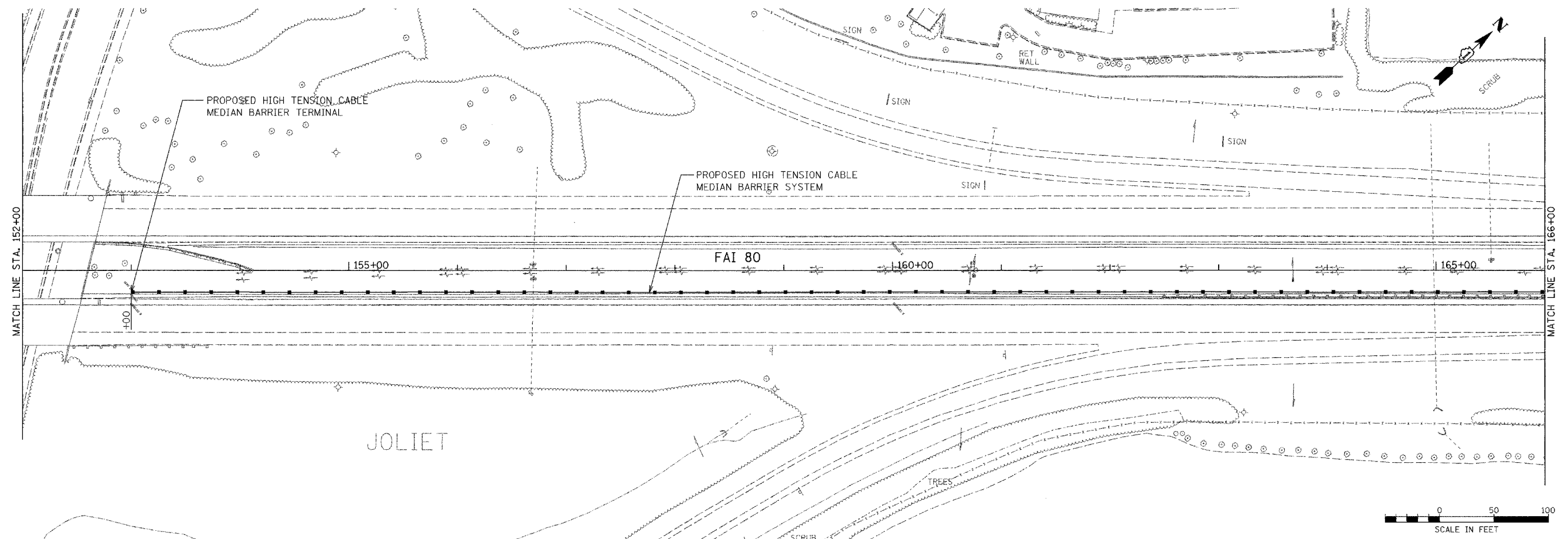
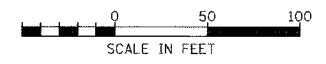
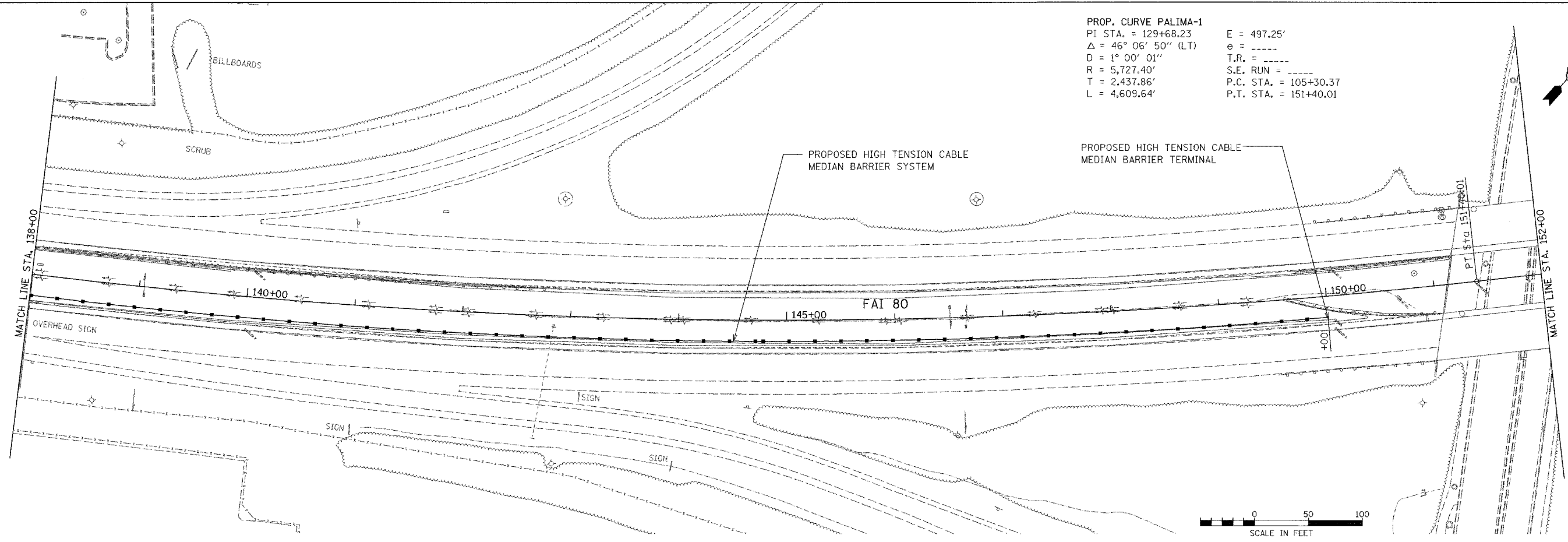
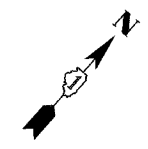


PROP. CURVE PALIMA-1
 PI STA. = 129+68.23 E = 497.25'
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 D = 1° 00' 01" T.R. = -----
 R = 5,727.40' S.E. RUN = -----
 T = 2,437.86' P.C. STA. = 105+30.37
 L = 4,609.64' P.T. STA. = 151+40.01

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		DATE - 11/07/2007	REVISED -												

PROP. CURVE PALIMA-1
 PI STA. = 129+68.23 E = 497.25'
 $\Delta = 46^\circ 06' 50''$ (LT) e = -----
 D = $1^\circ 00' 01''$ T.R. = -----
 R = 5,727.40' S.E. RUN = -----
 T = 2,437.86' P.C. STA. = 105+30.37
 L = 4,609.64' P.T. STA. = 151+40.01



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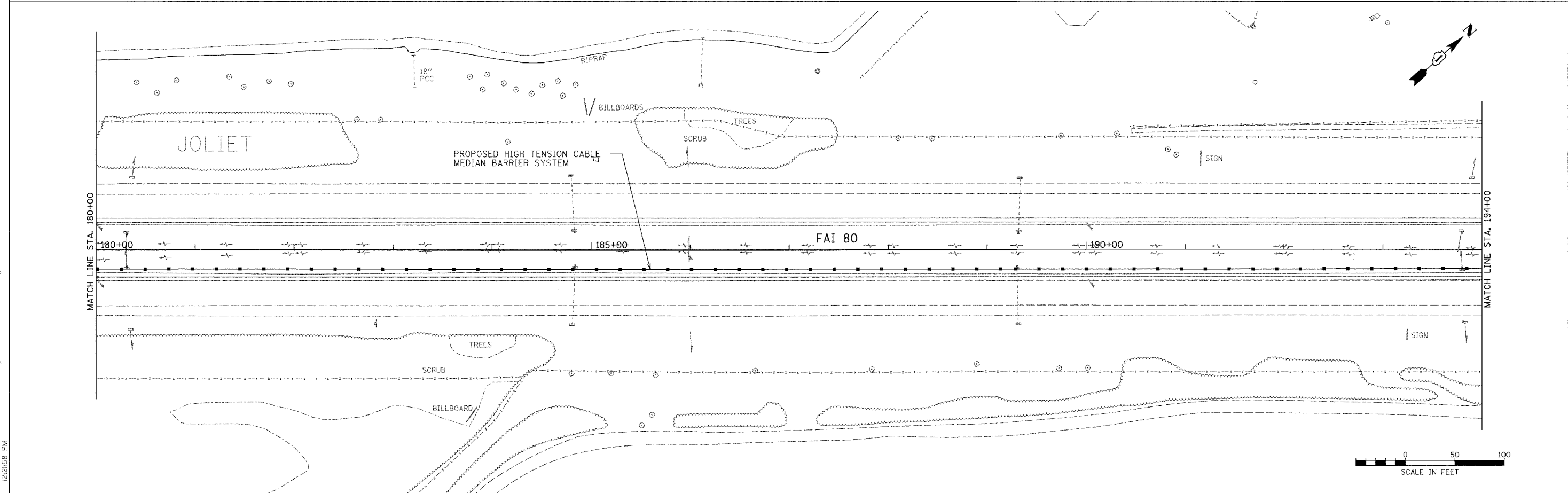
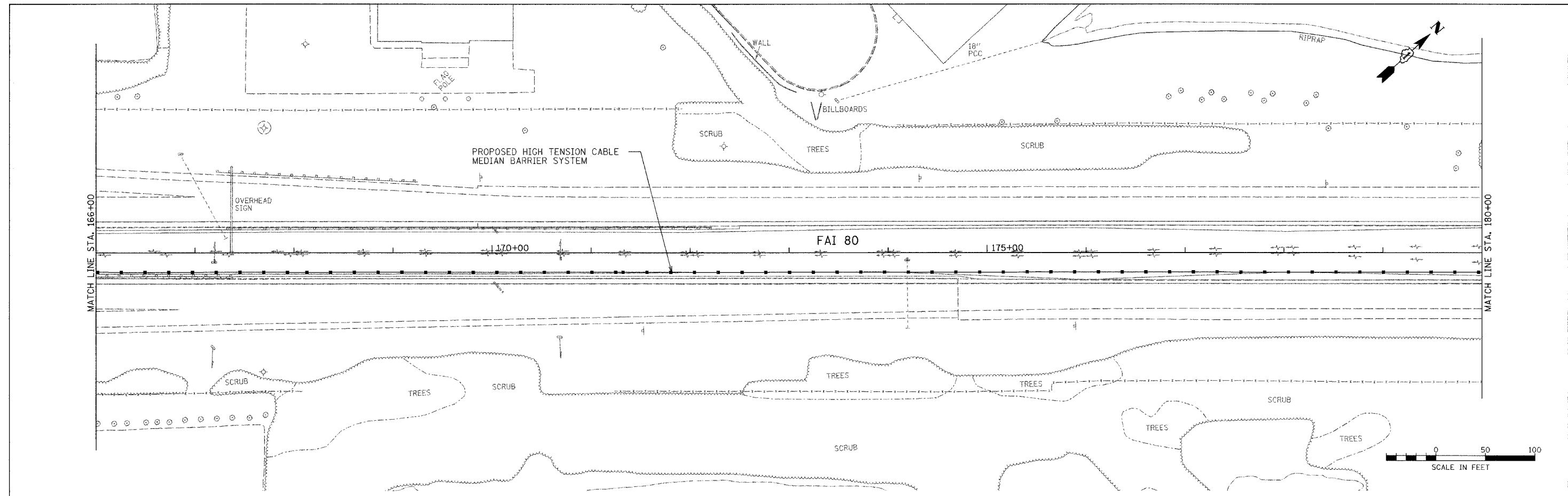
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EXISTING AND PROPOSED ROADWAY PLANS

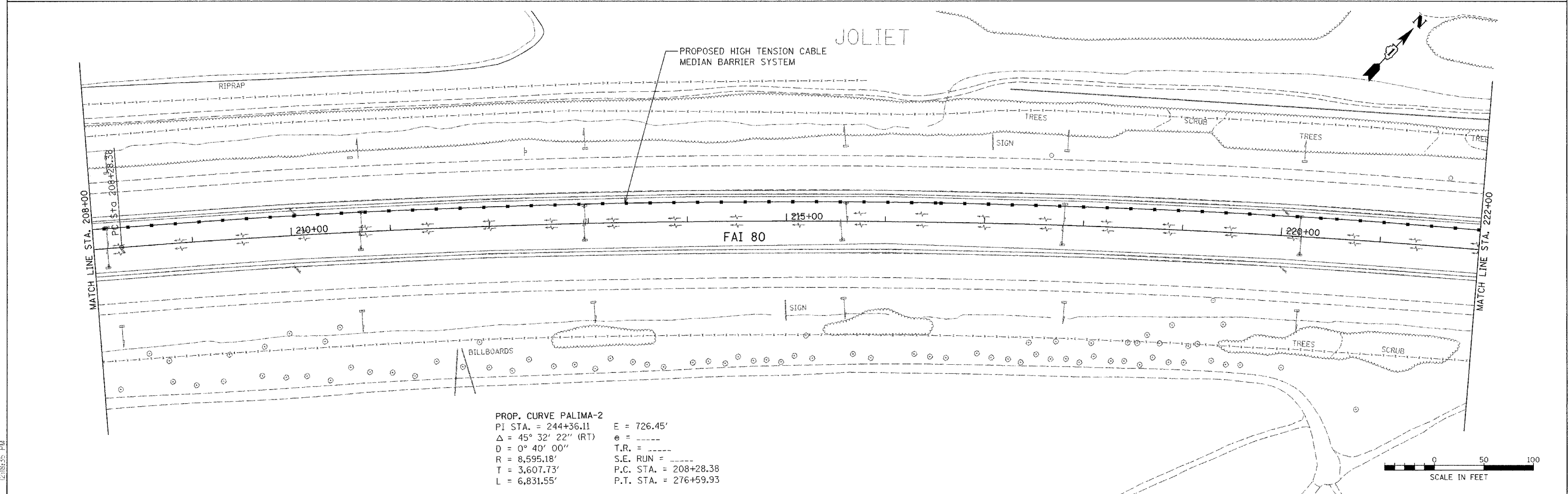
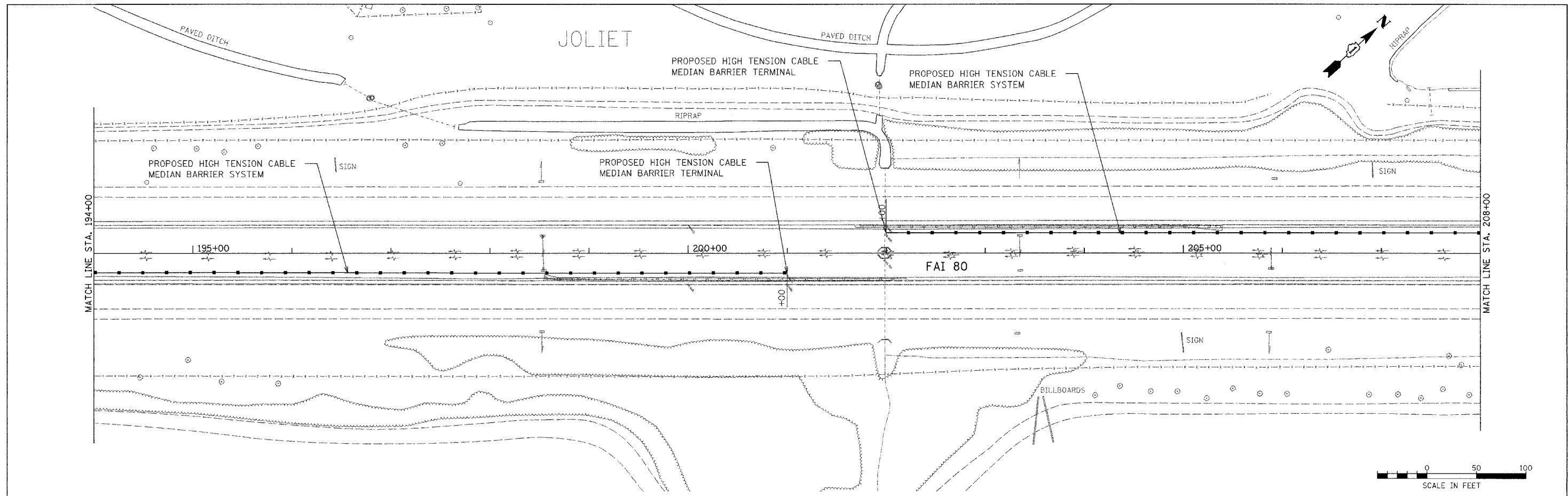
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2007-043 I	WILL	28	9
CONTRACT NO. 60D33				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



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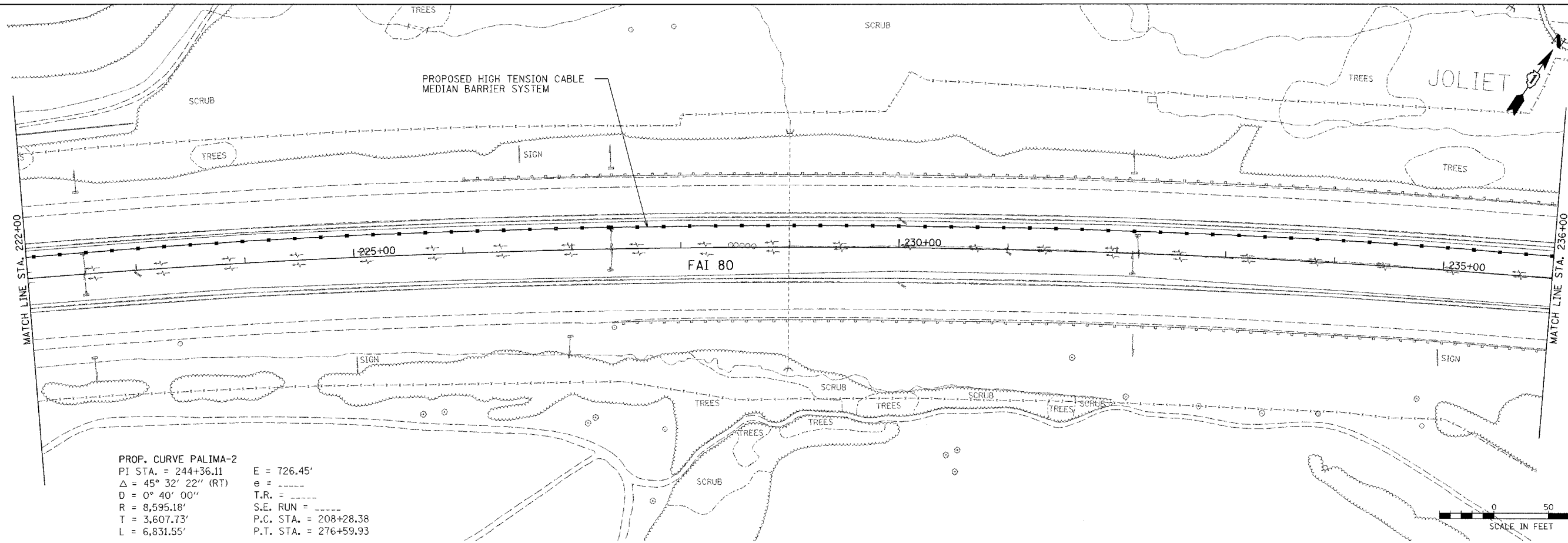
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		CHECKED - PJ	REVISED -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
		DATE - 11/07/2007	REVISED -												



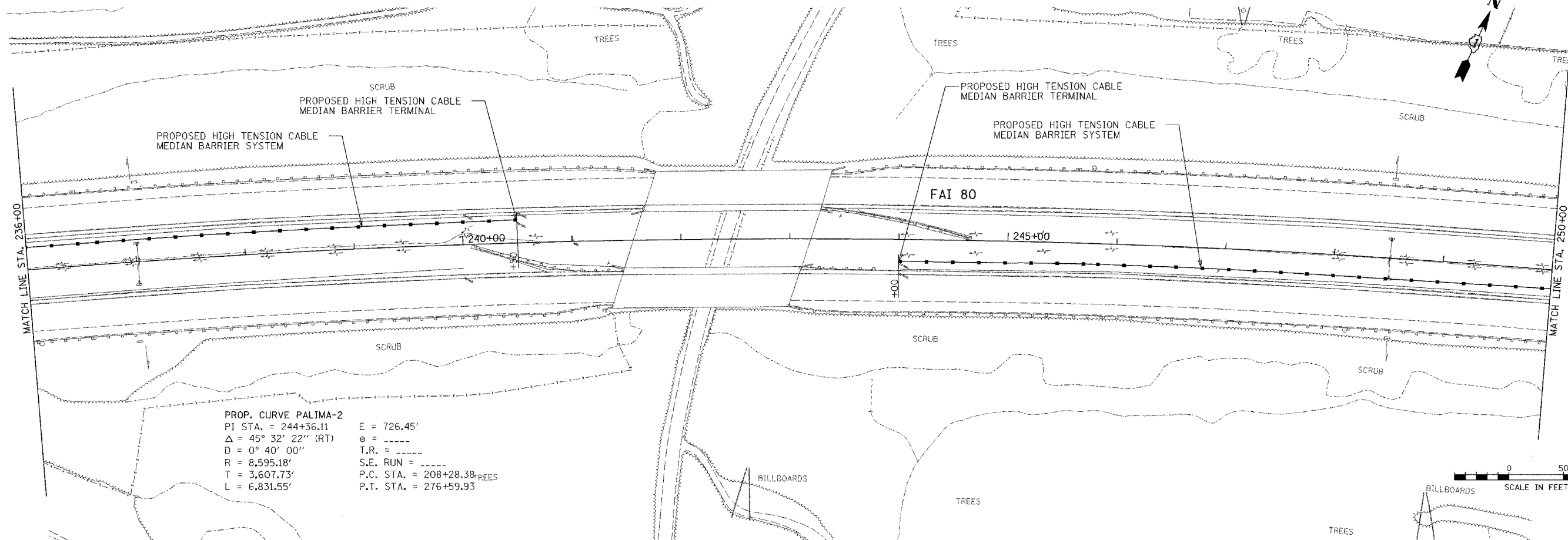
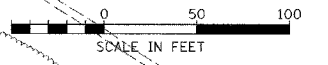
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 Δ = 45° 32' 22" (RT) e = ----
 D = 0° 40' 00" T.R. = ----
 R = 8,595.18' S.E. RUN = ----
 T = 3,607.73' P.C. STA. = 208+28.38
 L = 6,831.55' P.T. STA. = 276+59.93

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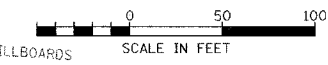
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		DATE - 11/07/2007	REVISED -								



PROP. CURVE PALIMA-2
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 D = 0° 40' 00" T.R. = -----
 R = 8,595.18' S.E. RUN = -----
 T = 3,607.73' P.C. STA. = 208+28.38
 L = 6,831.55' P.T. STA. = 276+59.93



PROP. CURVE PALIMA-2
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 Δ = 45° 32' 22" (RT) e = -----
 D = 0° 40' 00" T.R. = -----
 R = 8,595.18' S.E. RUN = -----
 T = 3,607.73' P.C. STA. = 208+28.38
 L = 6,831.55' P.T. STA. = 276+59.93



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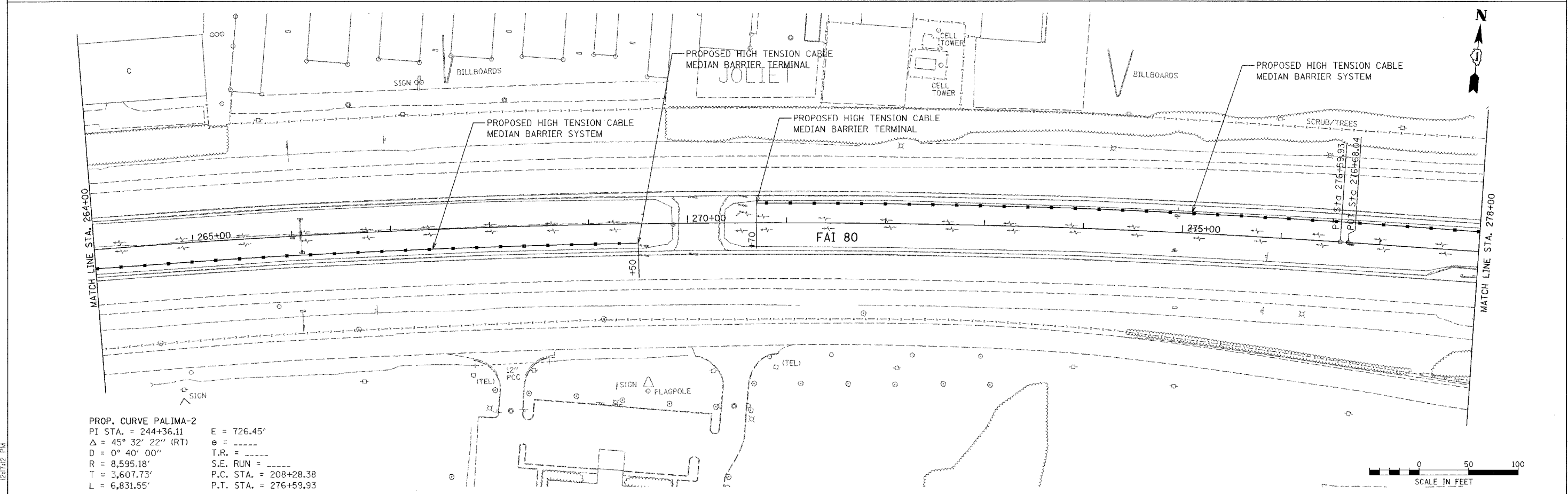
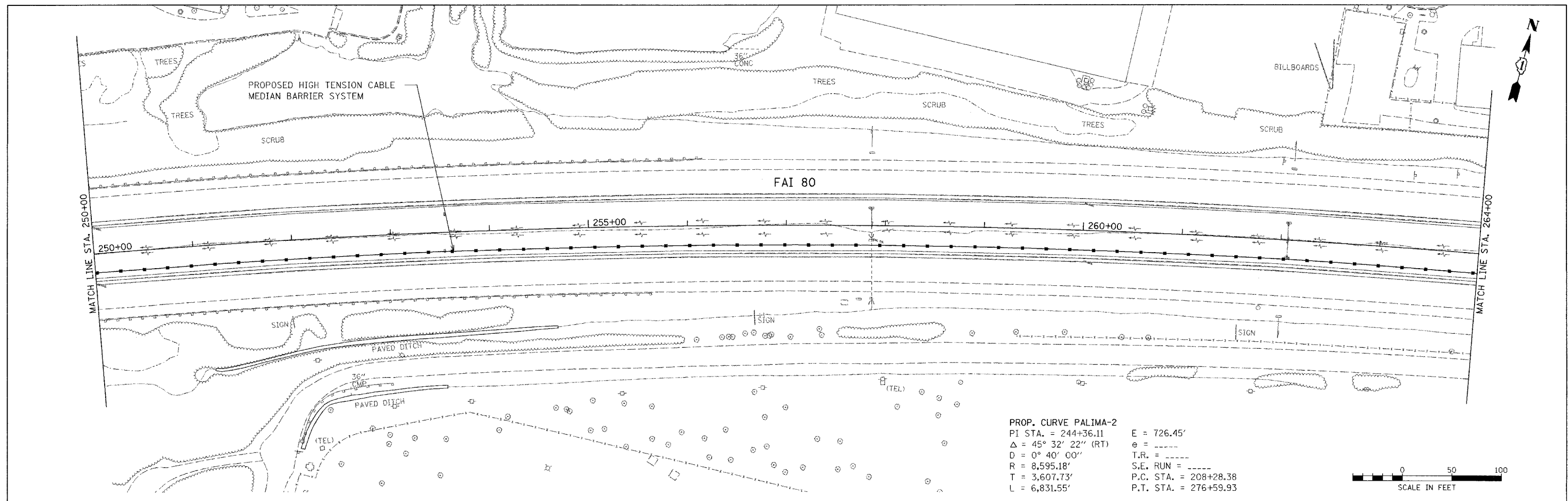
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED ROADWAY PLANS

SCALE: 50 SHEET NO. 12 OF 28 SHEETS STA. TO STA.

F.A.I. RTE. 80	SECTION 2007-043 I	COUNTY WILL	TOTAL SHEETS 28	SHEET NO. 12
CONTRACT NO. 60D33				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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PROP. CURVE PALIMA-2
 PI STA. = 244+36.11 E = 726.45'
 Δ = 45° 32' 22" (RT) θ = ----
 D = 0° 40' 00" T.R. = ----
 R = 8,595.18' S.E. RUN = ----
 T = 3,607.73' P.C. STA. = 208+28.38
 L = 6,831.55' P.T. STA. = 276+59.93

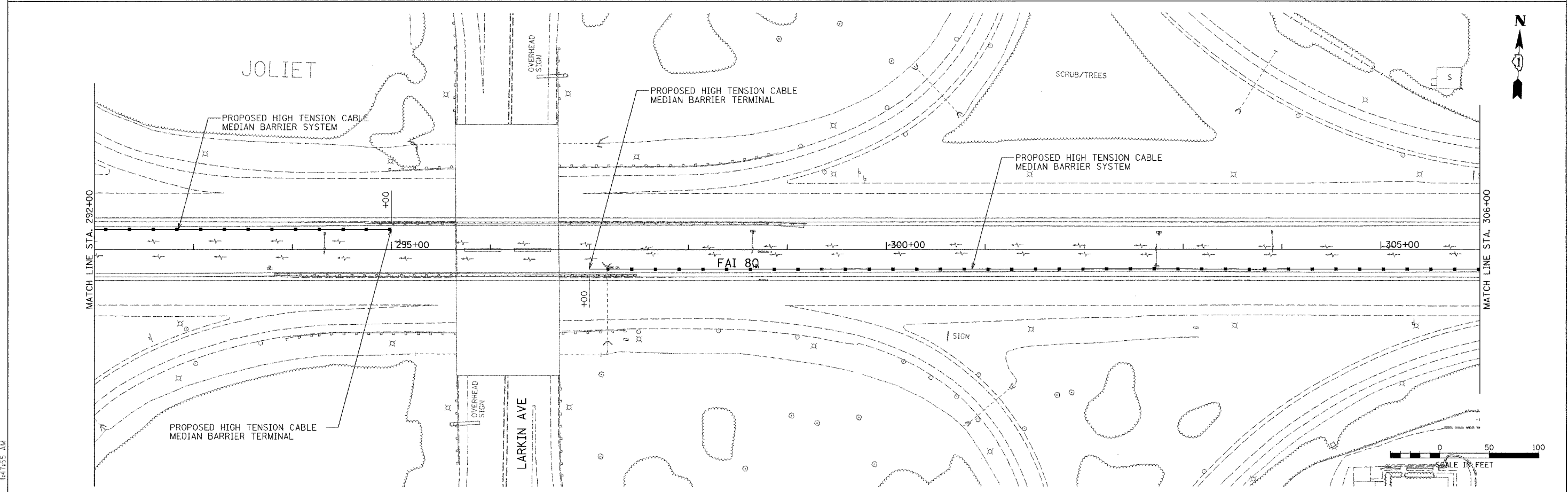
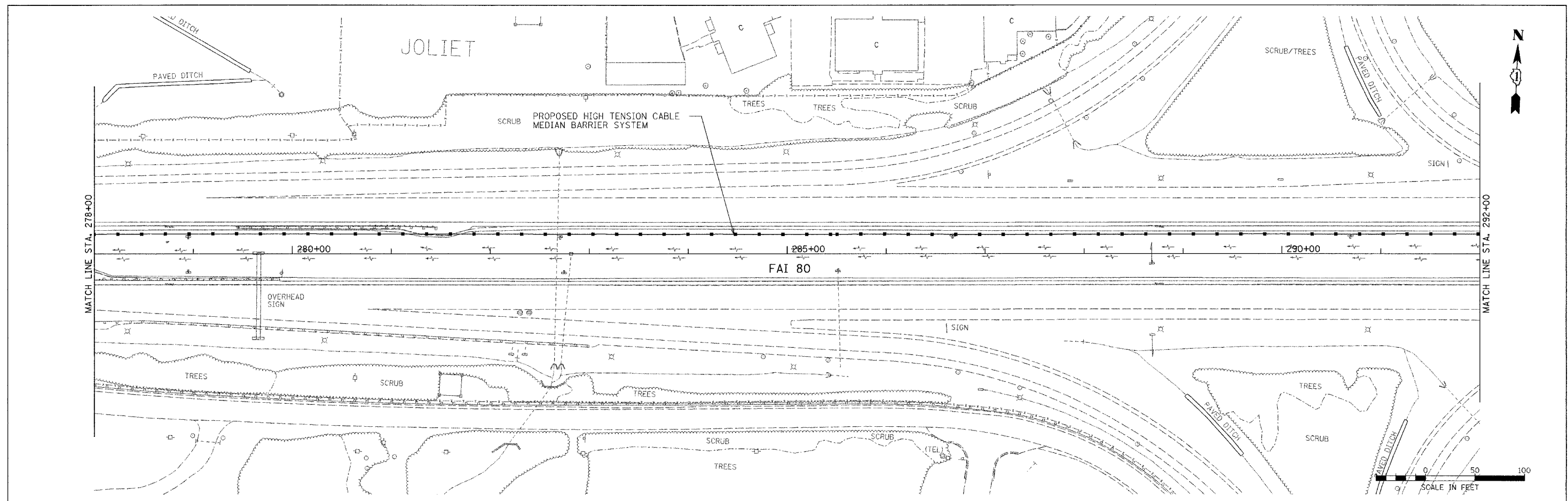
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED ROADWAY PLANS

SCALE: 50 SHEET NO. 13 OF 28 SHEETS STA. TO STA.

F.A.I. RTE. 80	SECTION 2007-043 I	COUNTY WILL	TOTAL SHEETS 28	SHEET NO. 13
CONTRACT NO. 60D33				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



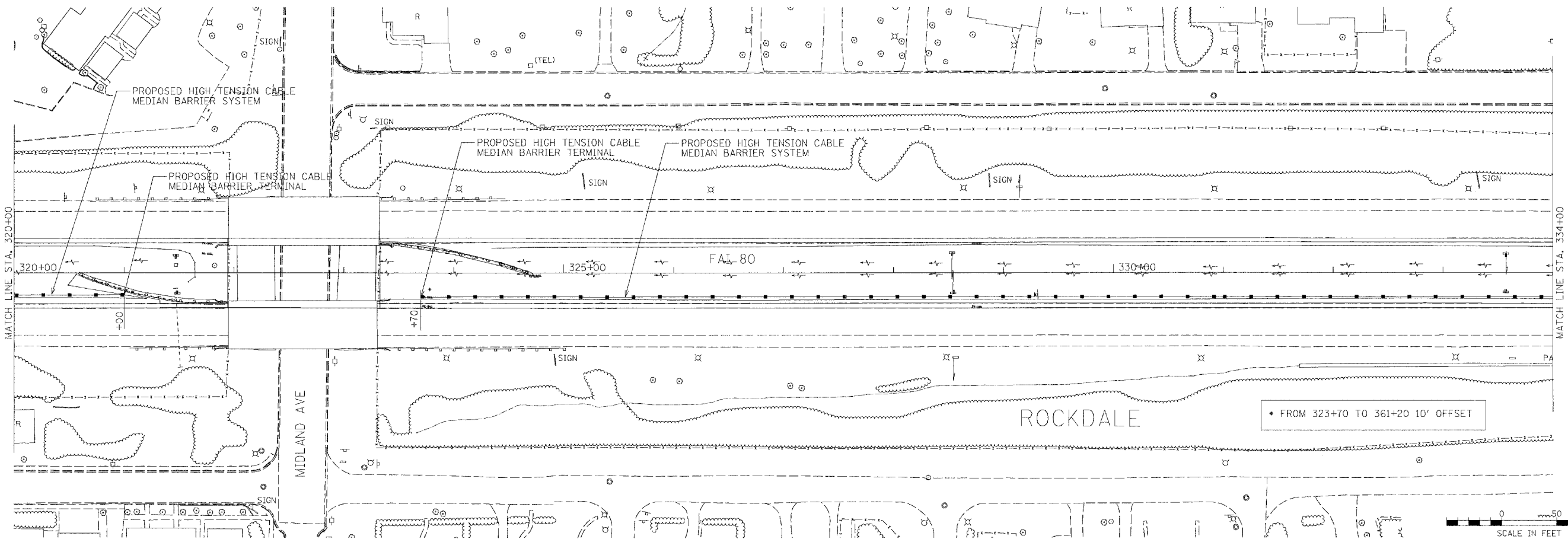
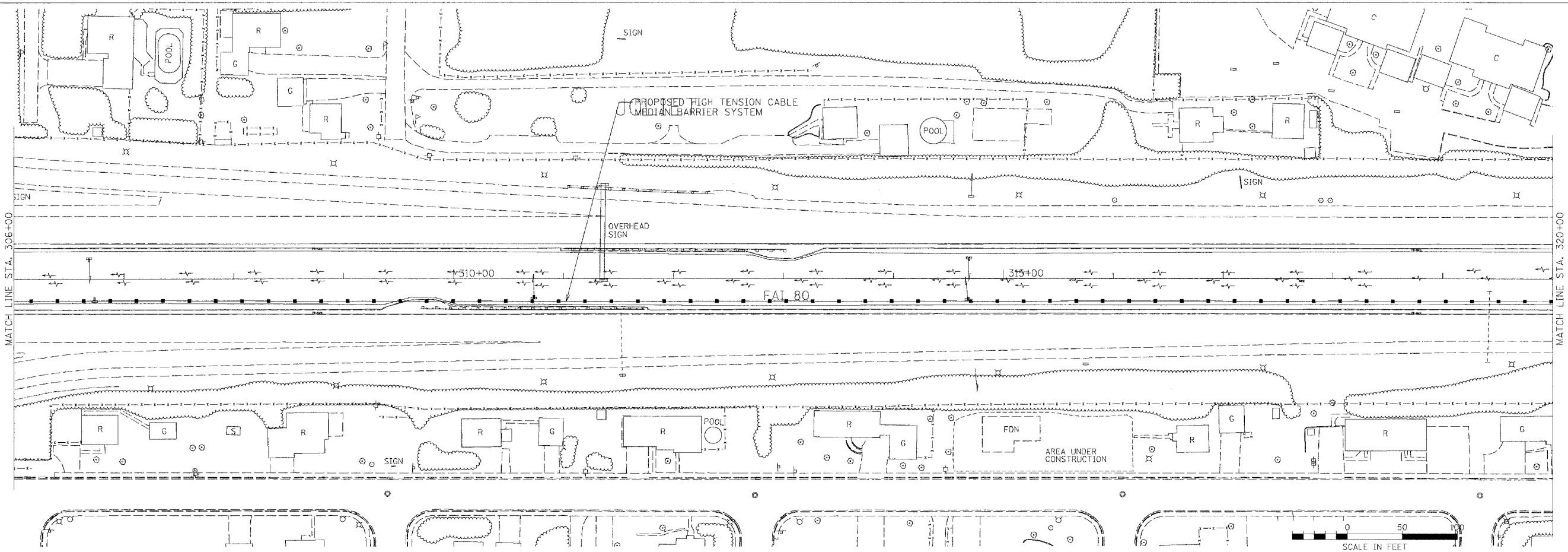
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED ROADWAY PLANS	
SCALE: 50	SHEET NO. 14 OF 28 SHEETS
STA.	TO STA.

F.A.I. RTE. 80	SECTION 2007-043 I	COUNTY WILL	TOTAL SHEETS 28	SHEET NO. 14
CONTRACT NO. 60D33				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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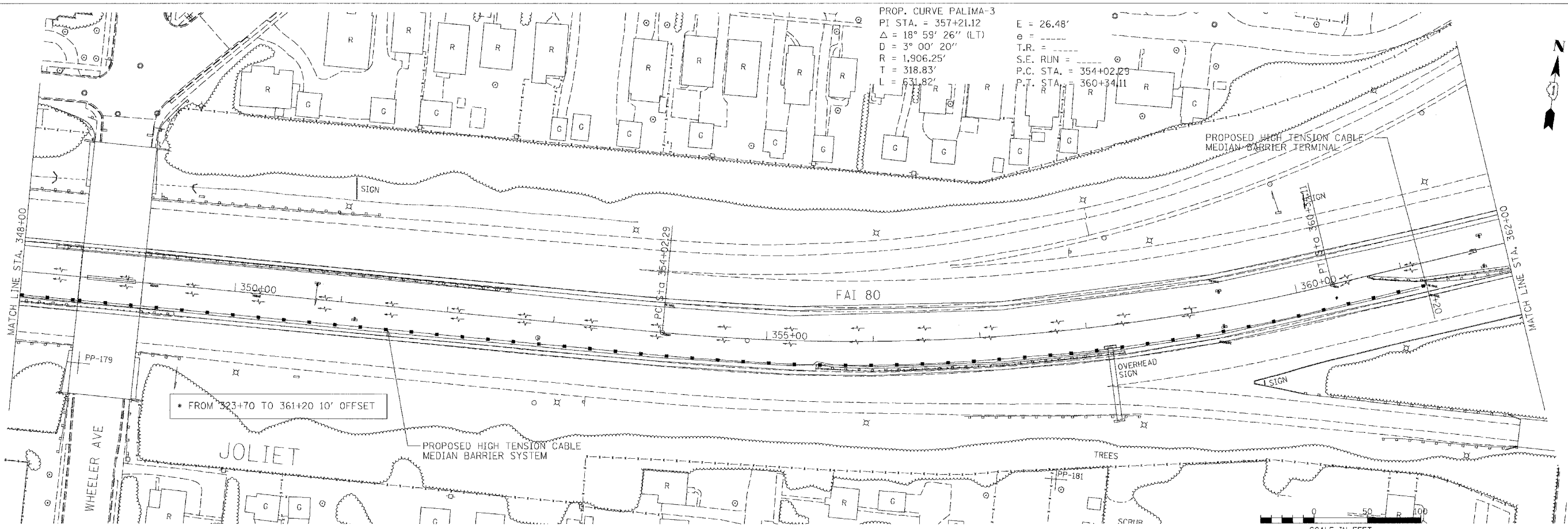
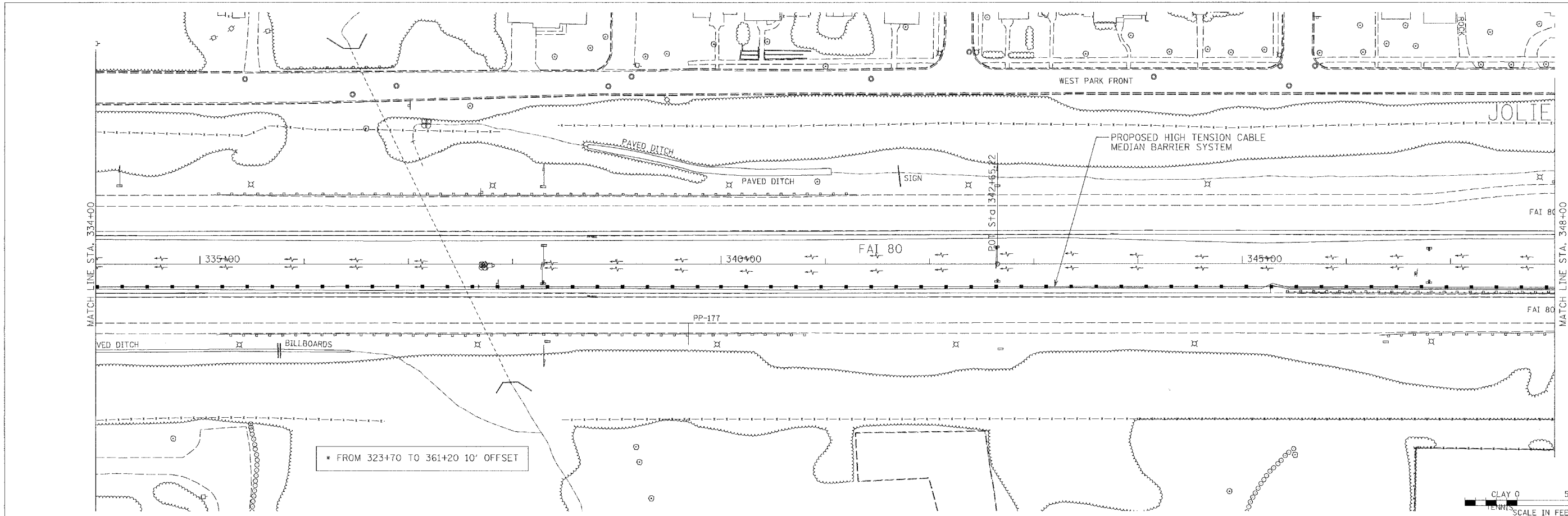
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED ROADWAY PLANS

SCALE: 50 SHEET NO. 15 OF 28 SHEETS STA. TO STA.

F.A.I. RTE. 80	SECTION 2007-043 I	COUNTY WILL	TOTAL SHEETS 28	SHEET NO. 15
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 60D33				



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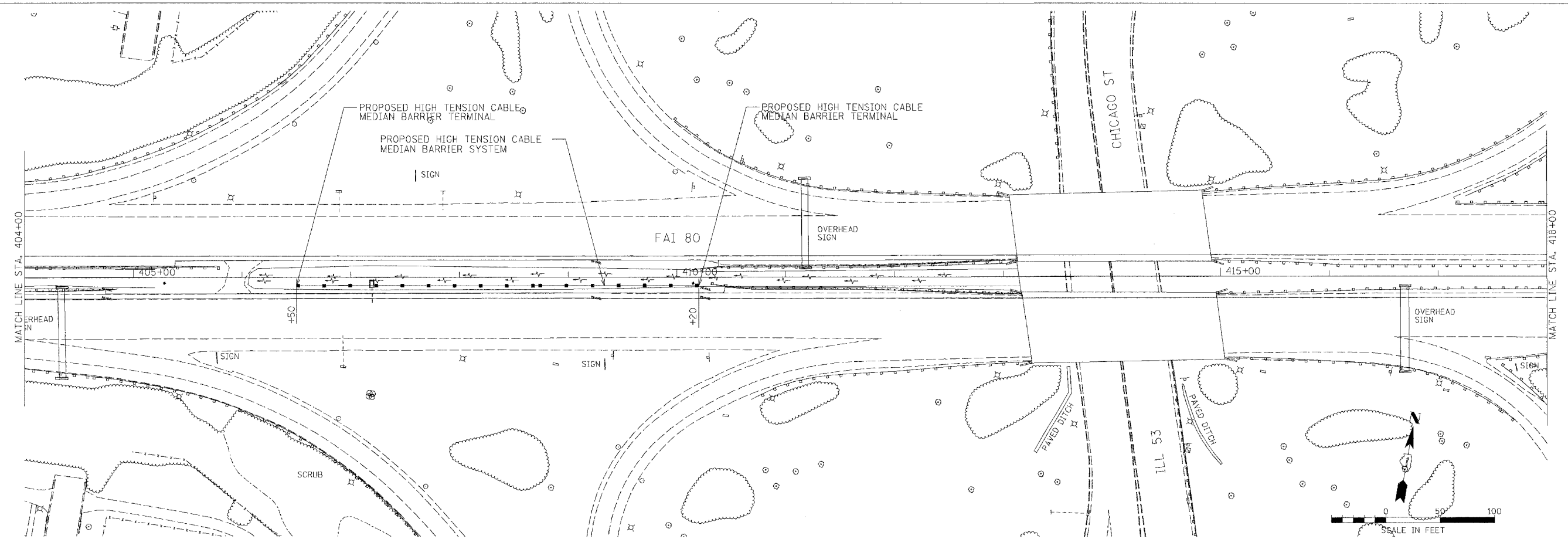
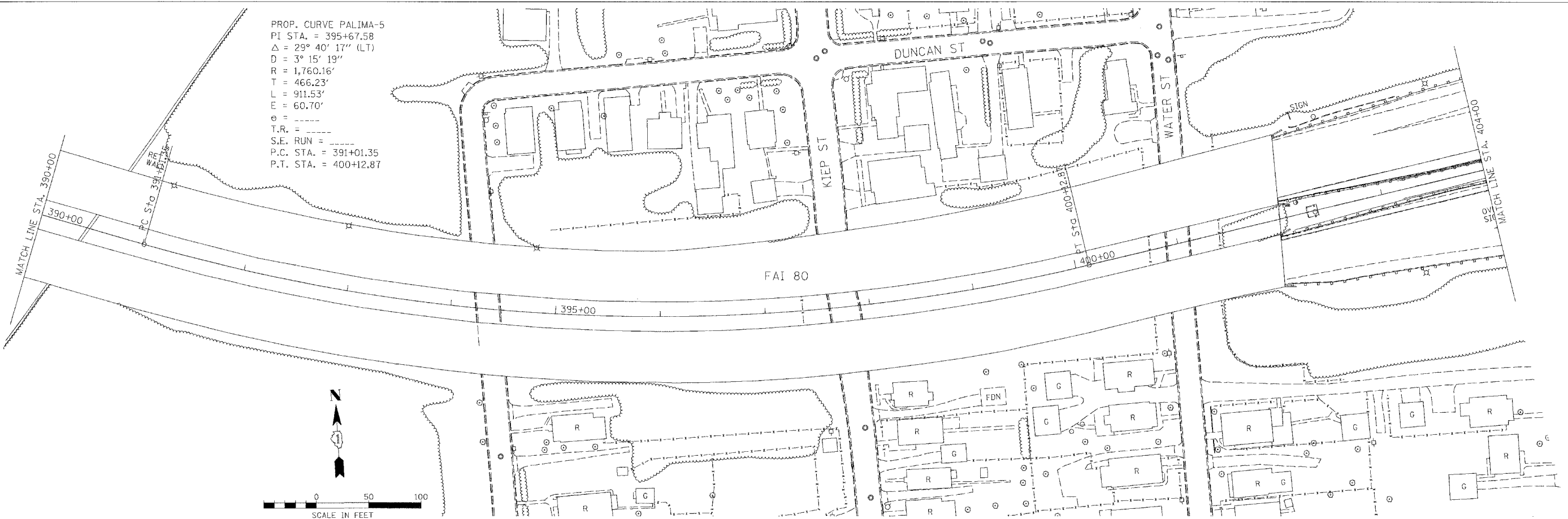
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING AND PROPOSED ROADWAY PLANS

SCALE: 50 SHEET NO. 16 OF 28 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2007-043 I	WILL	28	16
FED. ROAD DIST. NO. (ILLINOIS) FED. AID PROJECT			CONTRACT NO. 60D33	

PROP. CURVE PALIMA-5
 PI STA. = 395+67.58
 $\Delta = 29^\circ 40' 17''$ (LT)
 $D = 3^\circ 15' 19''$
 $R = 1,760.16'$
 $T = 466.23'$
 $L = 911.53'$
 $E = 60.70'$
 $e = \dots$
 T.R. = \dots
 S.E. RUN = \dots
 P.C. STA. = 391+01.35
 P.T. STA. = 400+12.87



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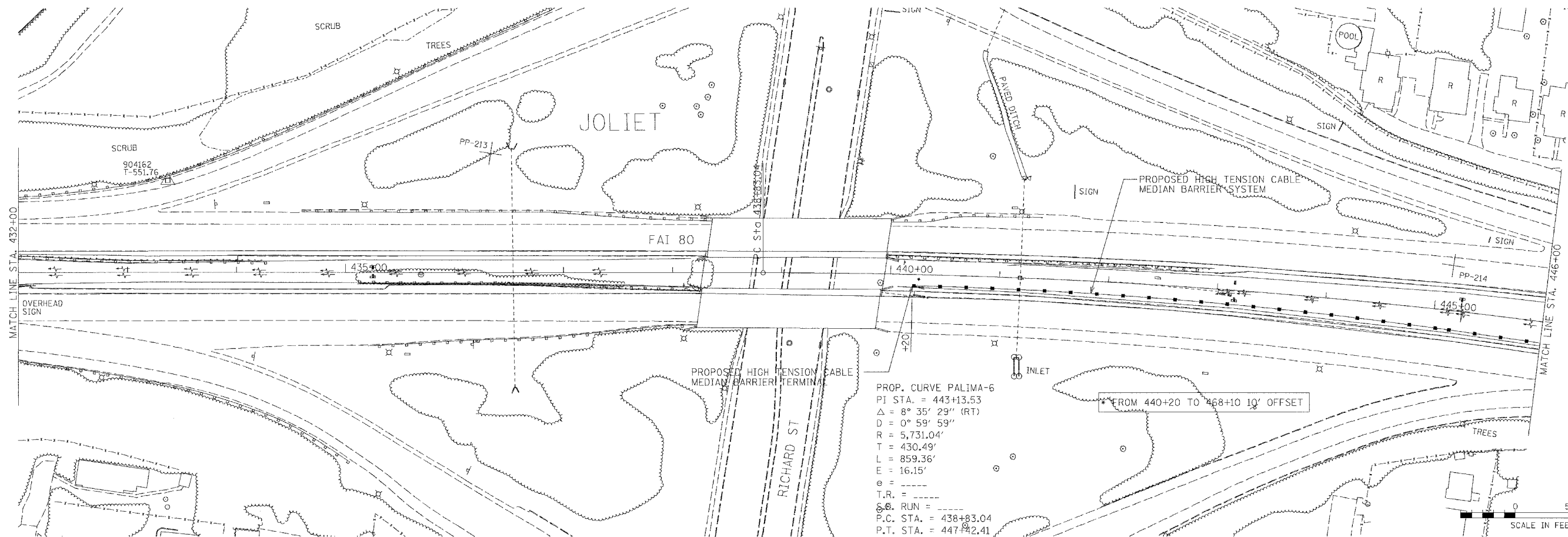
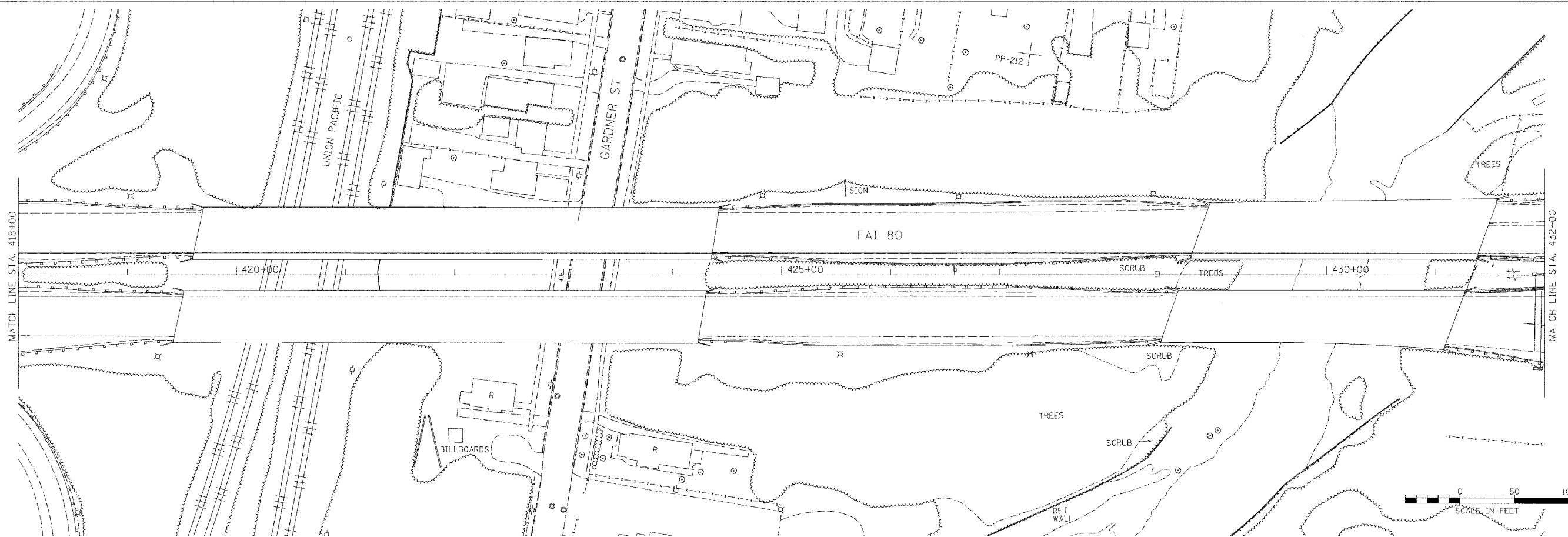
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EXISTING AND PROPOSED ROADWAY PLANS

SCALE: 50 SHEET NO. 18 OF 28 SHEETS STA. TO STA.

F.A.I. RTE. 80	SECTION 2007-043 I	COUNTY WILL	TOTAL SHEETS 28	SHEET NO. 18
CONTRACT NO. 60D33				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



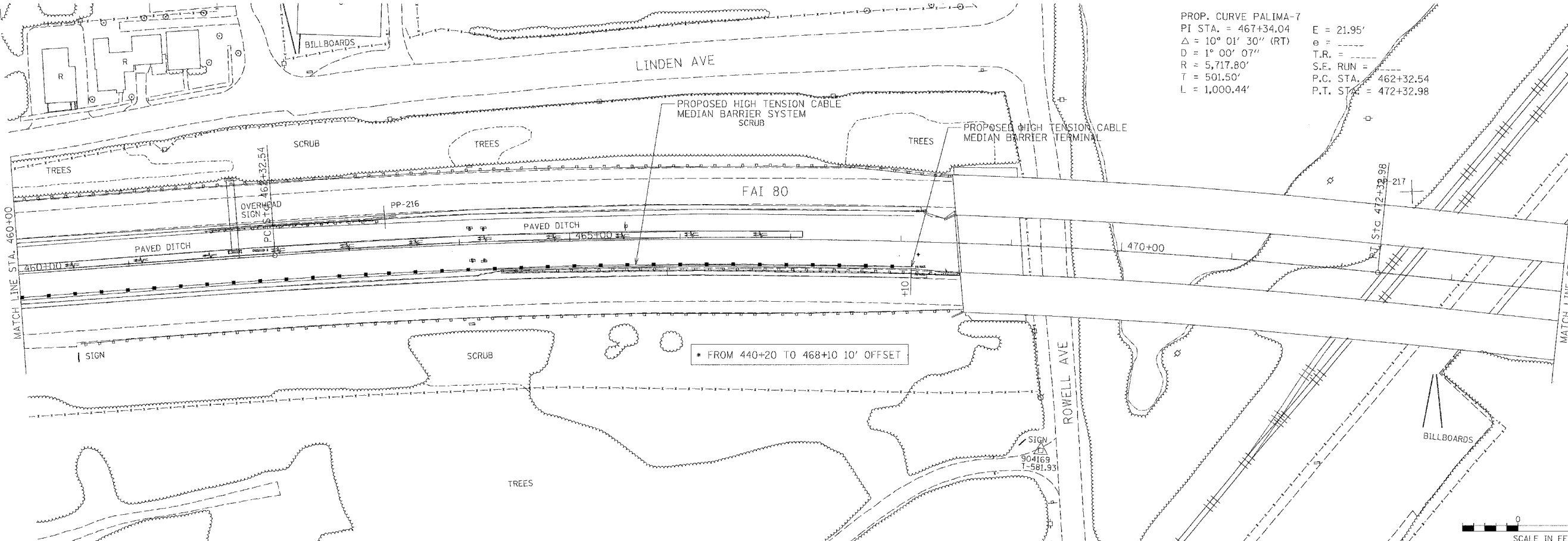
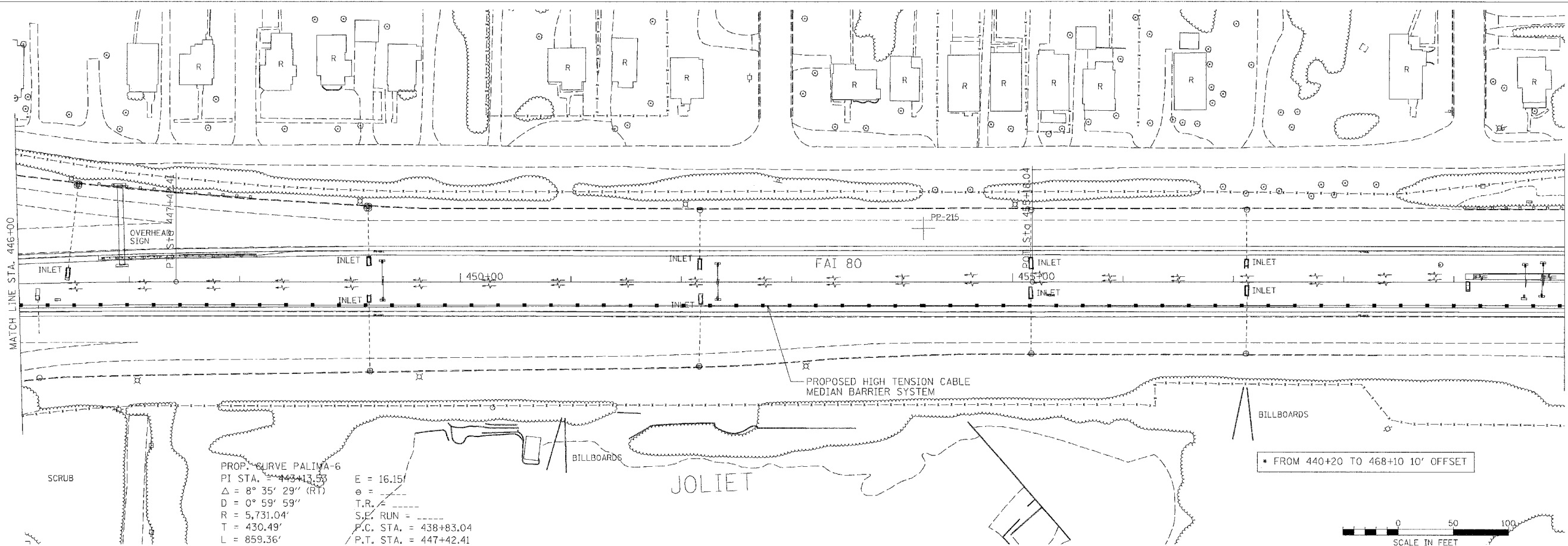
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED ROADWAY PLANS	
SCALE: 50	SHEET NO. 19 OF 28 SHEETS
STA.	TO STA.

F.A.I. RTE. 80	SECTION 2007-043 I	COUNTY WILL	TOTAL SHEETS 28	SHEET NO. 19
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT	CONTRACT NO. 60D33	



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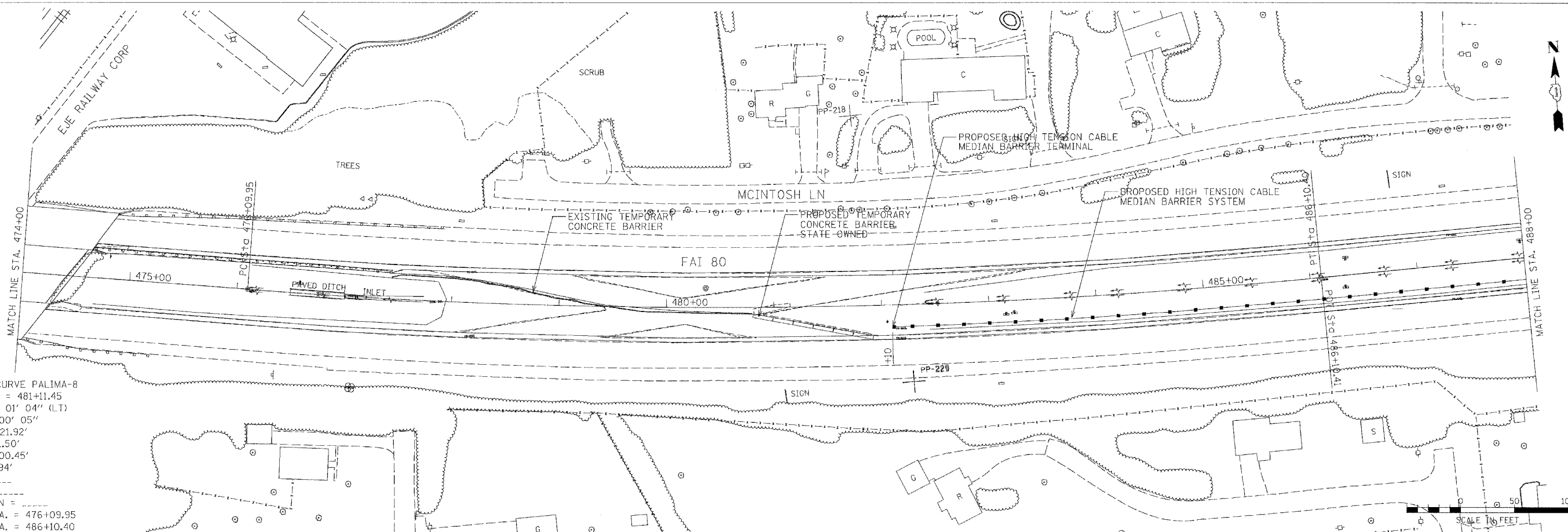
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

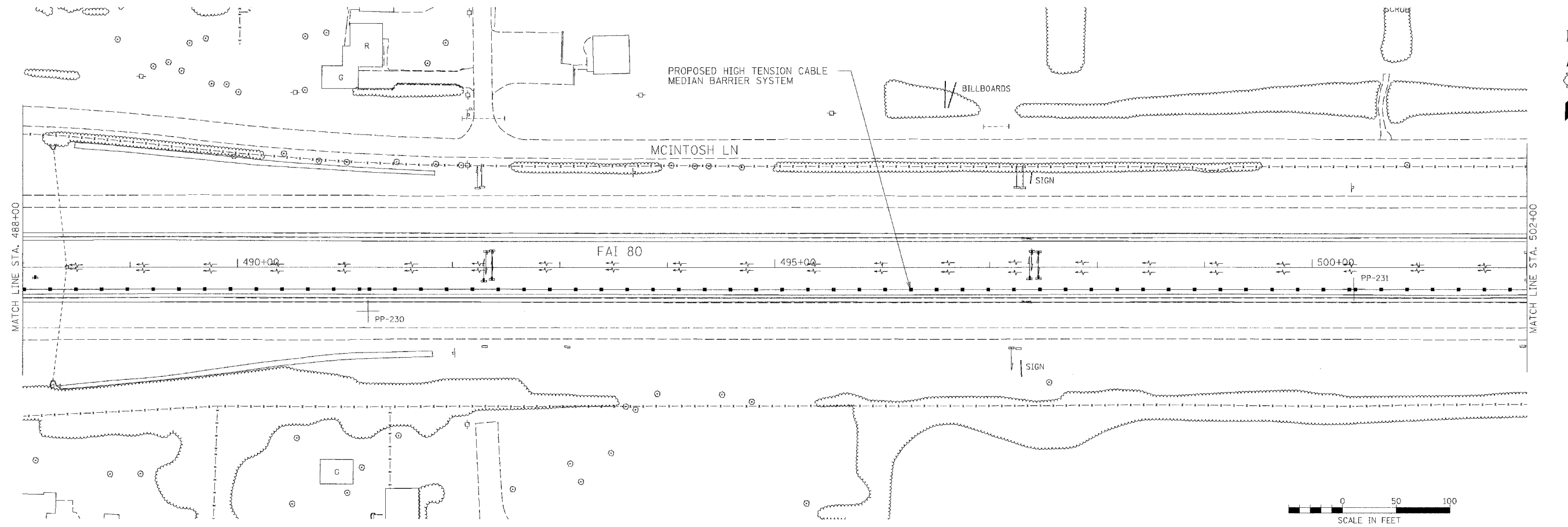
EXISTING AND PROPOSED ROADWAY PLANS

SCALE: 50 SHEET NO. 20 OF 28 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2007-043 I	WILL	28	20
CONTRACT NO. 60D33				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



PROP. CURVE PALIMA-8
 PI STA. = 481+11.45
 $\Delta = 10^\circ 01' 04''$ (LT)
 $D = 1^\circ 00' 05''$
 $R = 5,721.92'$
 $T = 501.50'$
 $L = 1,000.45'$
 $E = 21.94'$
 $e = \dots$
 T.R. = \dots
 S.E. RUN = \dots
 P.C. STA. = 476+09.95
 P.T. STA. = 486+10.40



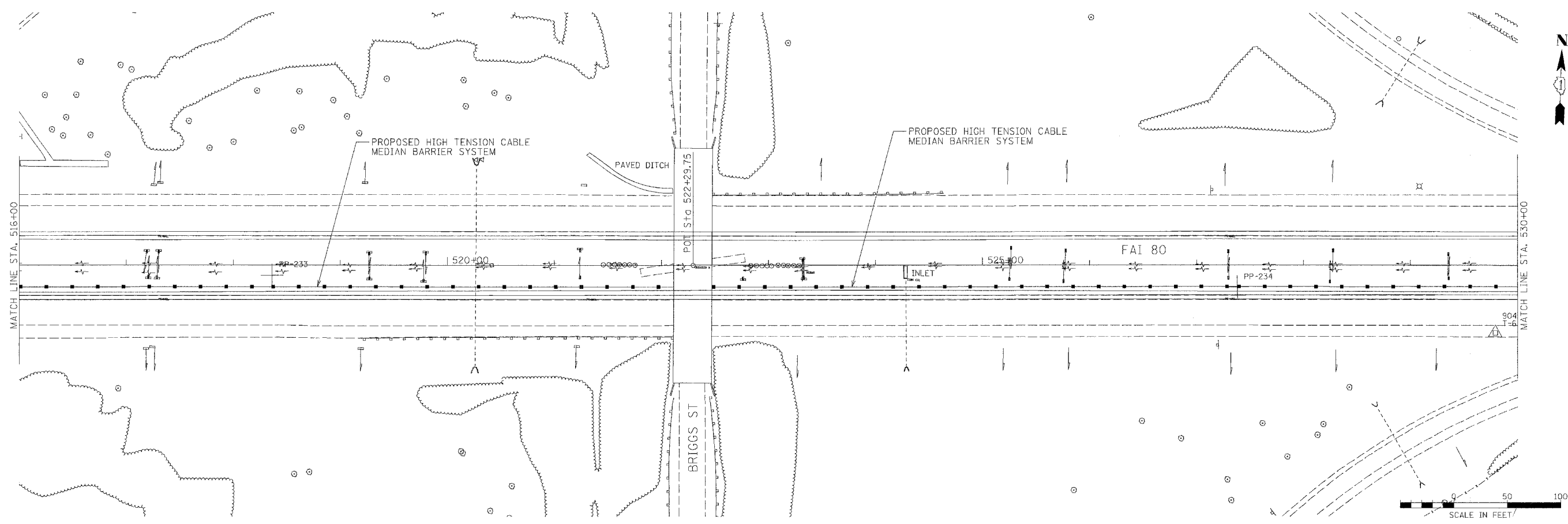
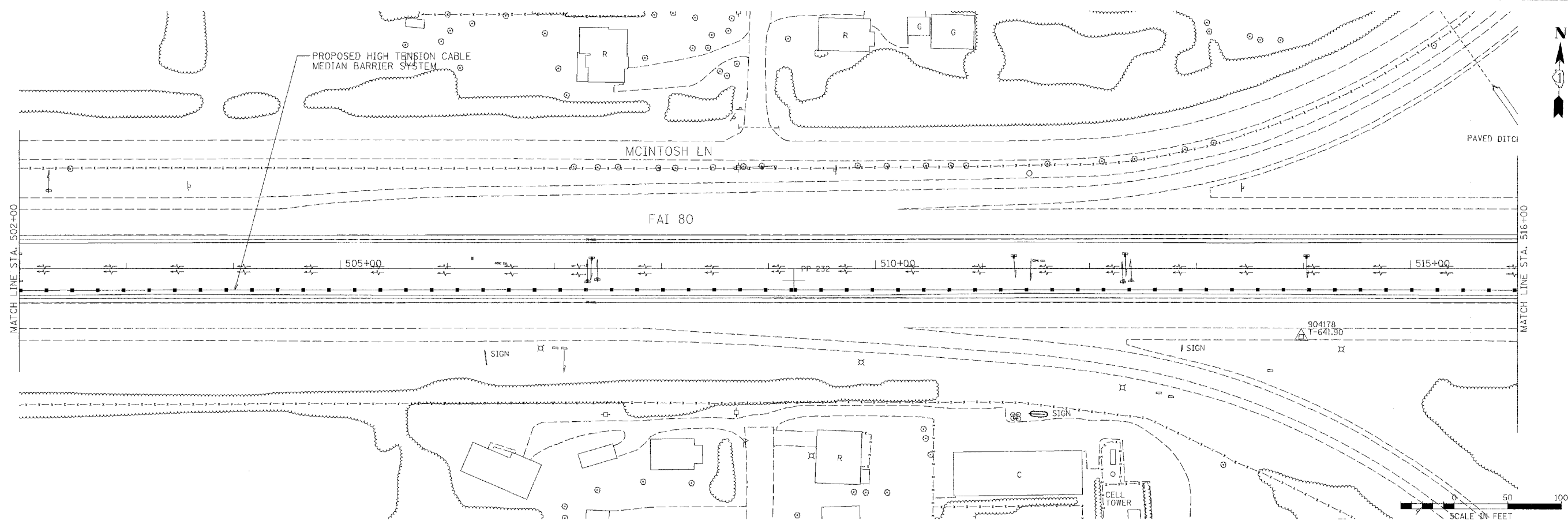
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EXISTING AND PROPOSED ROADWAY PLANS	
SCALE: 50	SHEET NO. 21 OF 28 SHEETS
STA.	TO STA.

F.A.I. RTE. 80	SECTION 2007-043 I	COUNTY WILL	TOTAL SHEETS 28	SHEET NO. 21
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 60D33				



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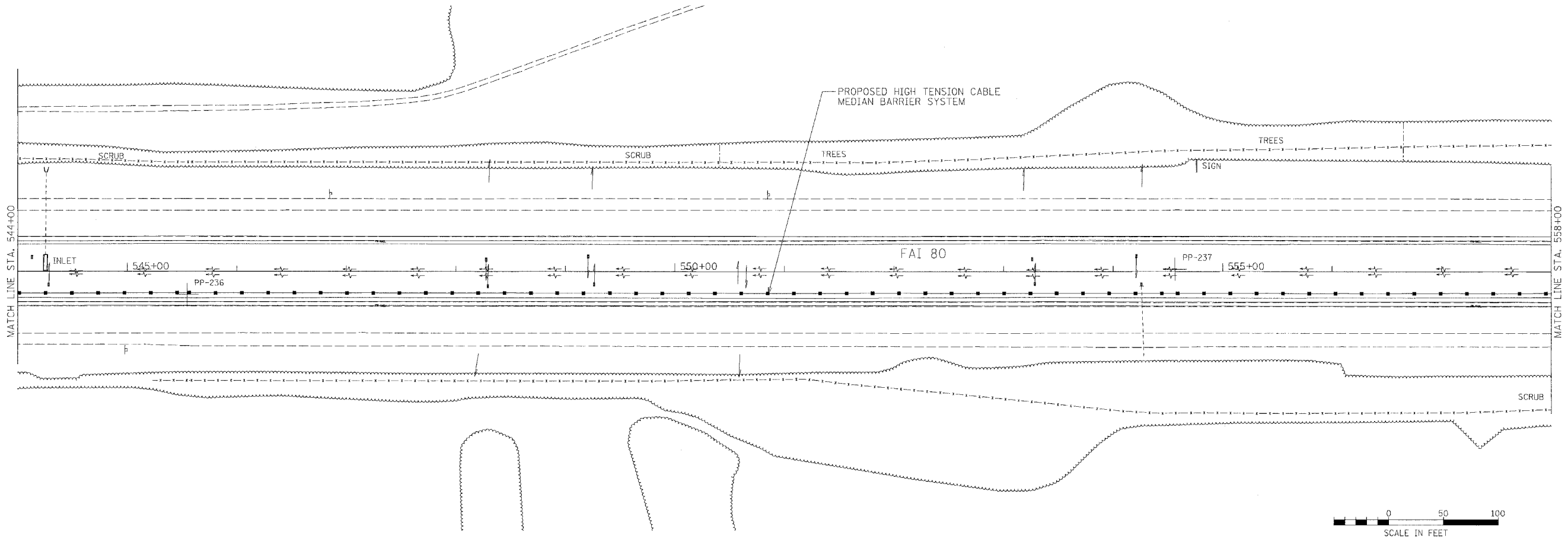
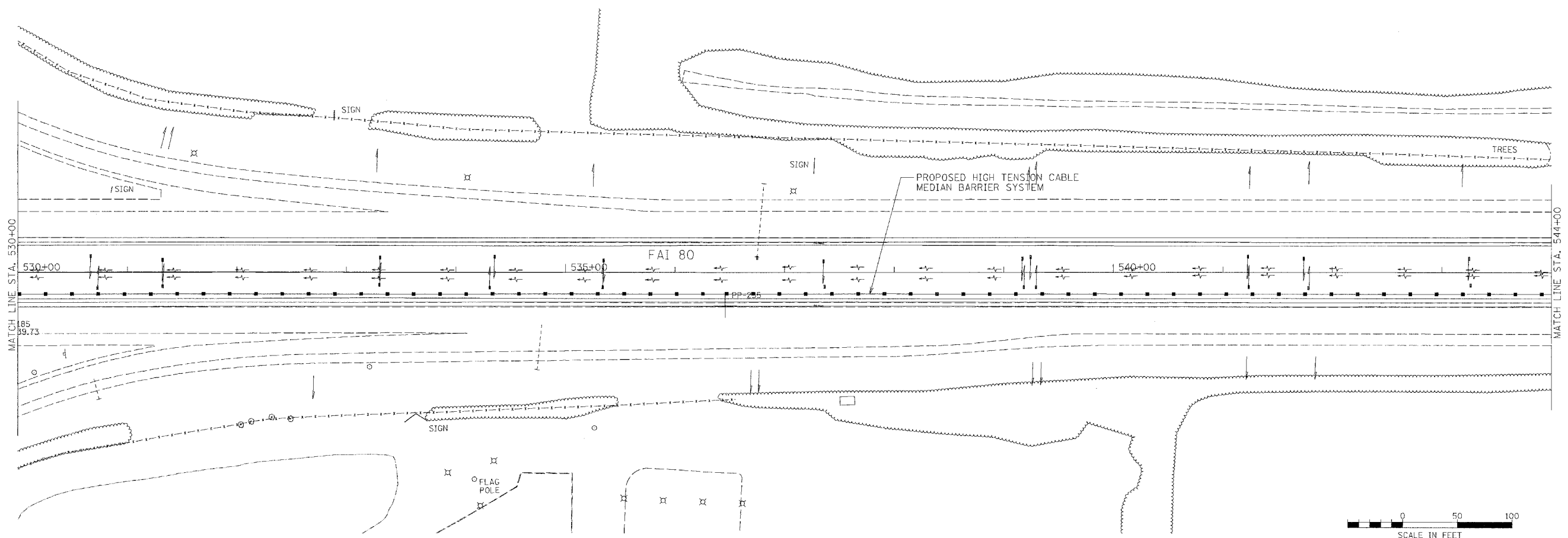
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EXISTING AND PROPOSED ROADWAY PLANS

SCALE: 50 SHEET NO. 22 OF 28 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2007-043 I	WILL	28	22
CONTRACT NO. 60D33				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



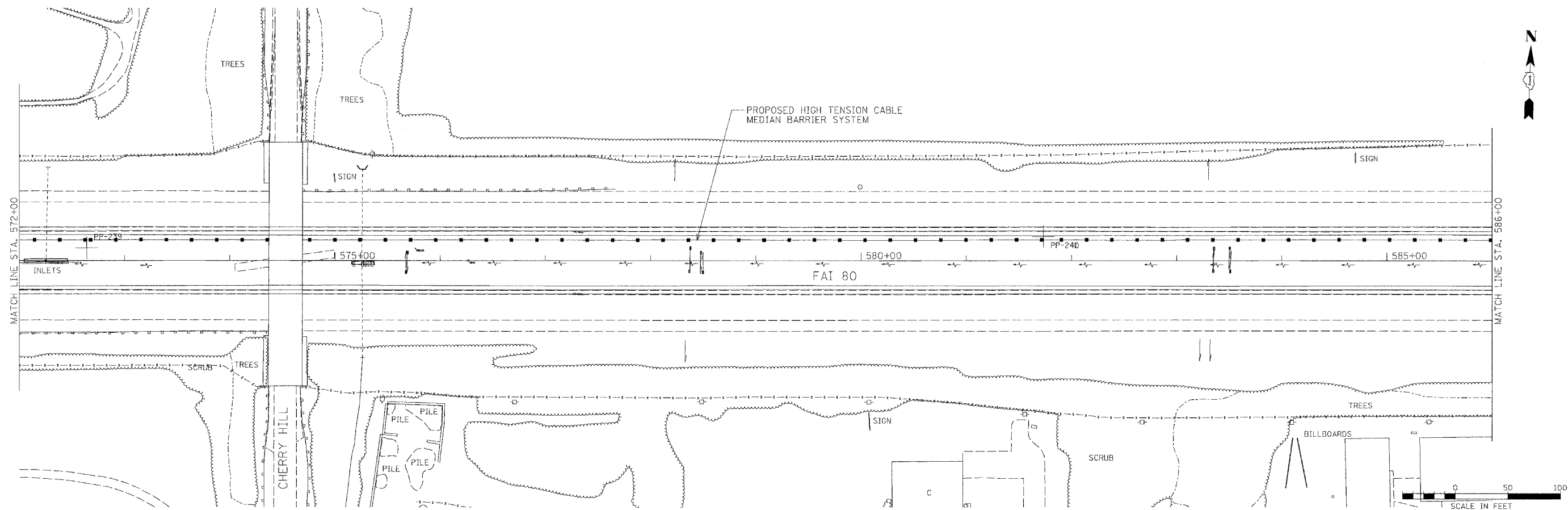
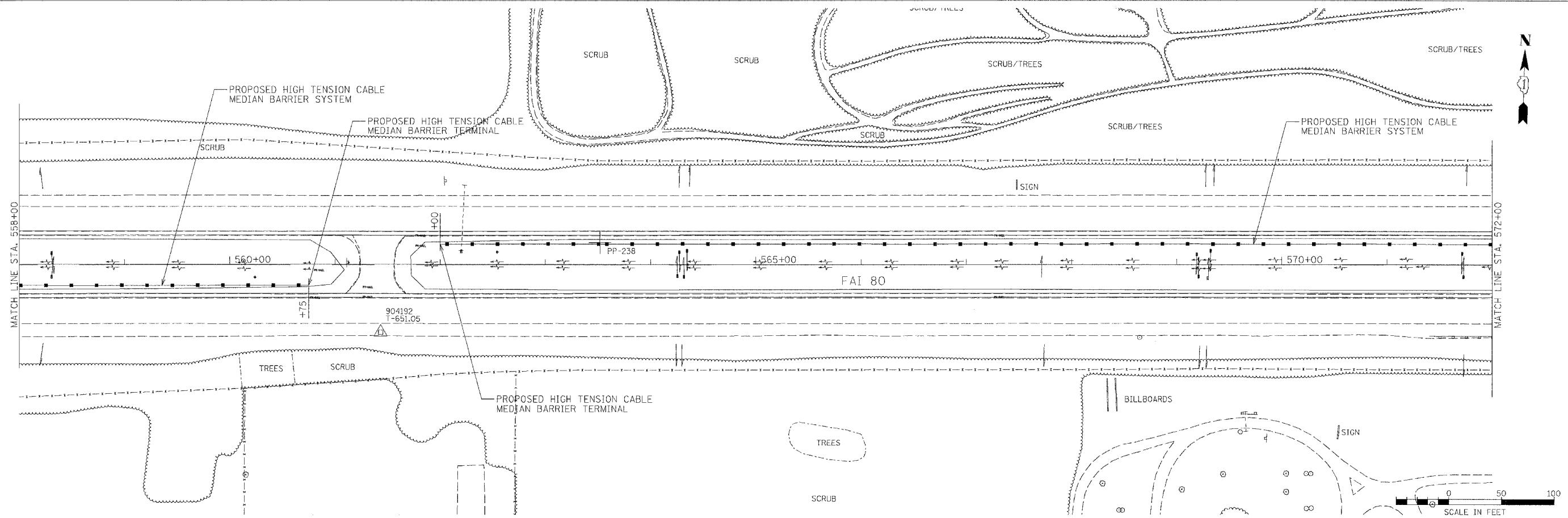
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED ROADWAY PLANS
 SCALE: 50 SHEET NO. 23 OF 28 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2007-043 1	WILL	28	23
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 60D33	



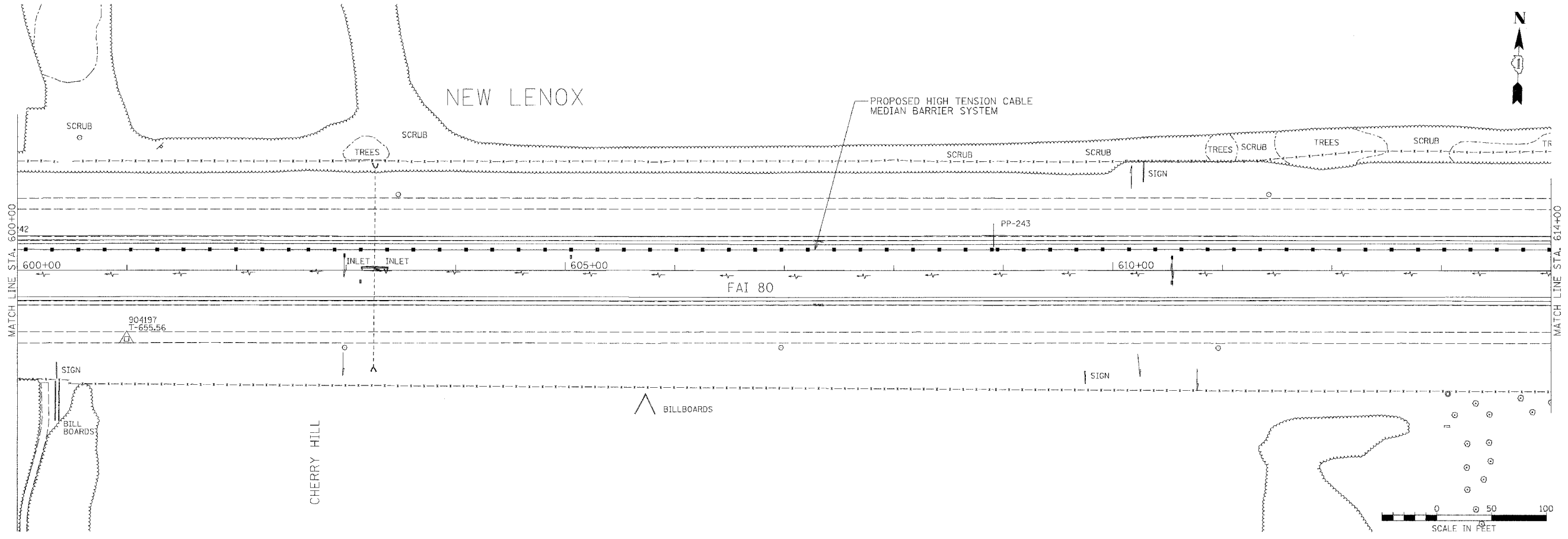
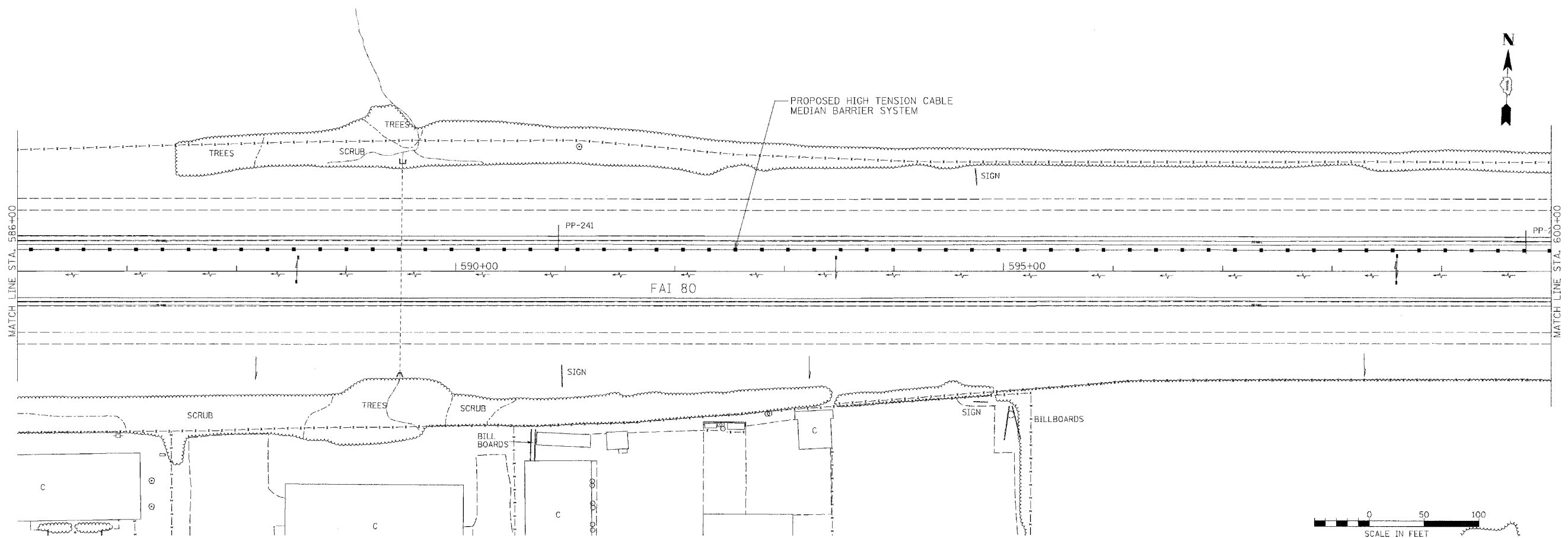
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING AND PROPOSED ROADWAY PLANS	
SCALE: 50	SHEET NO. 24 OF 28 SHEETS
STA.	TO STA.

F.A.I. RTE. 80	SECTION 2007-043 I	COUNTY WILL	TOTAL SHEETS 28	SHEET NO. 24
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
CONTRACT NO. 60D33				



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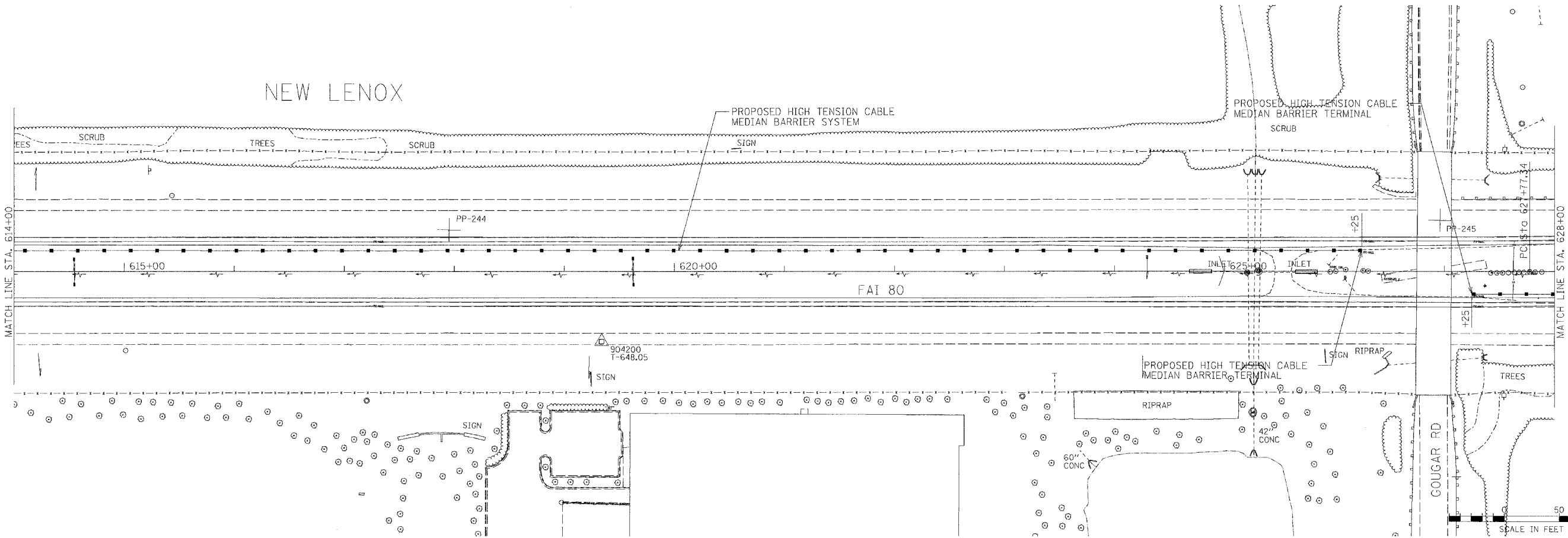
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

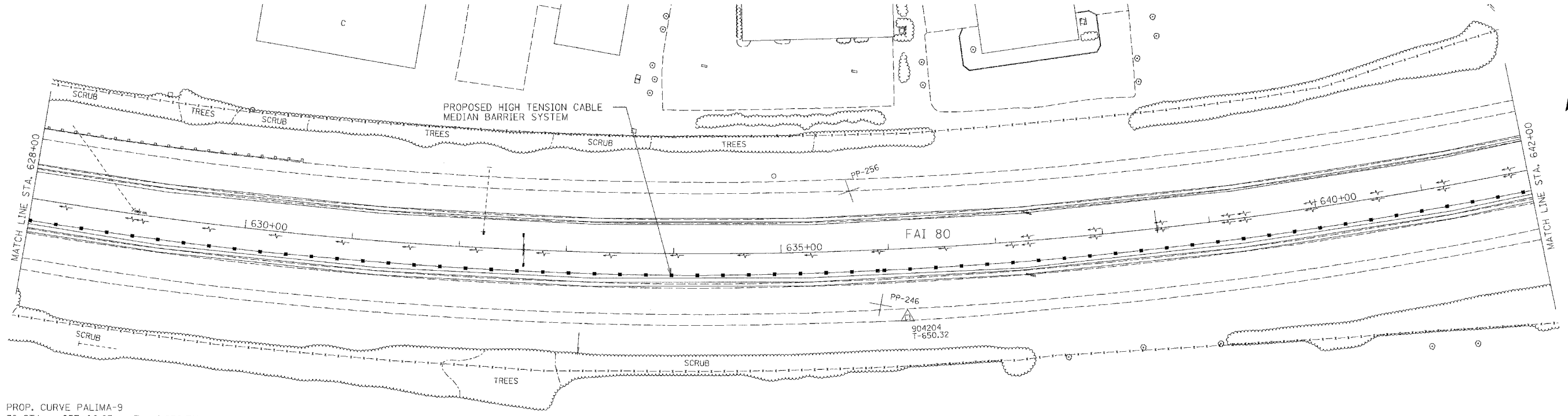
EXISTING AND PROPOSED ROADWAY PLANS
 SCALE: 50 SHEET NO. 25 OF 28 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2007-043 1	WILL	28	25
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60D33	

NEW LENOX



NEW LENOX



PROP. CURVE PALIMA-9
 PI STA. = 657+66.65 E = 1,030.71'
 $\Delta = 76^\circ 05' 46''$ (LT) $e =$ -----
 D = 1° 30' 00" T.R. = -----
 R = 3,819.53' S.E. RUN = -----
 T = 2,989.31' P.C. STA. = 627+77.34
 L = 5,072.83' P.T. STA. = 678+50.17

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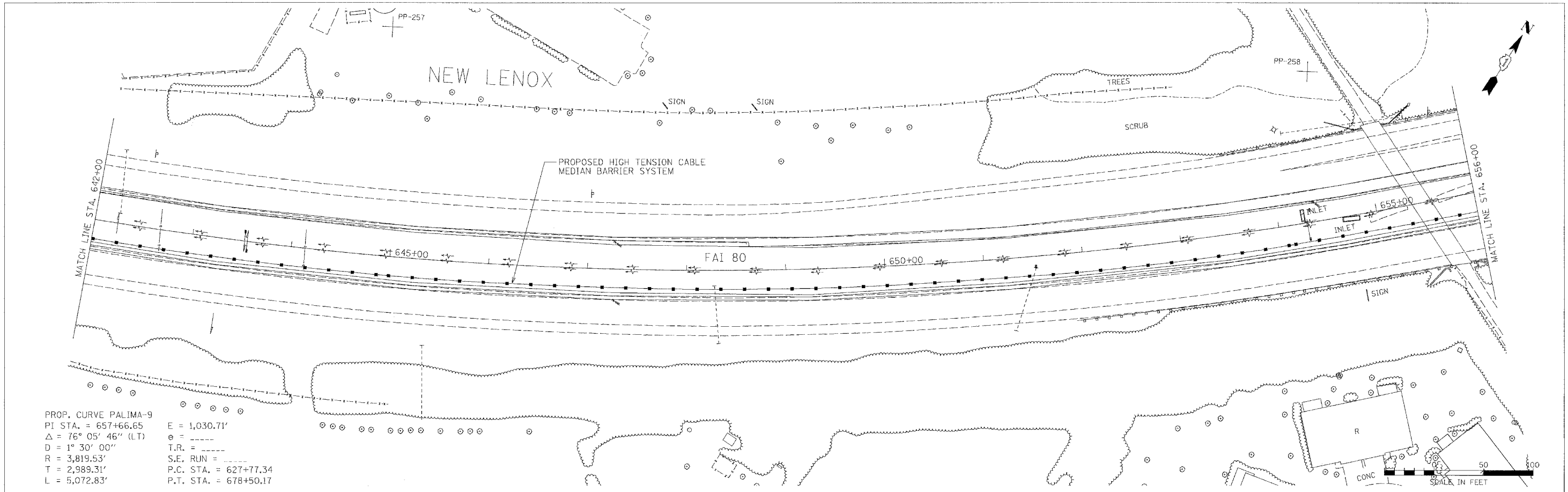
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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

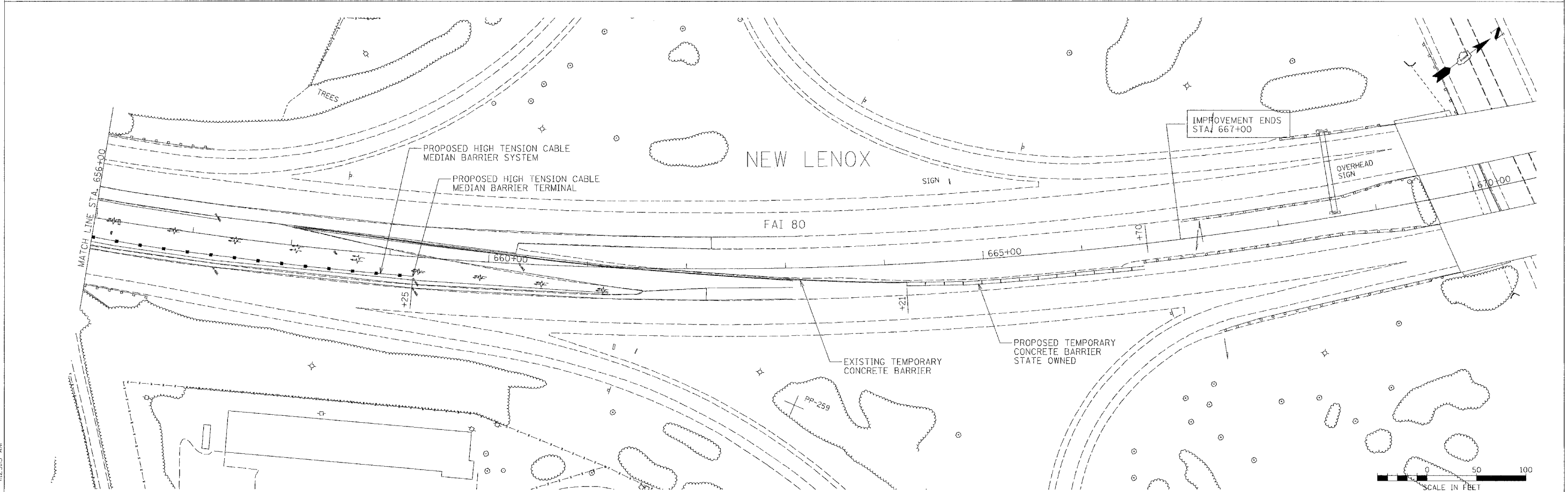
EXISTING AND PROPOSED ROADWAY PLANS

SCALE: 50 SHEET NO. 26 OF 28 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2007-043 I	WILL	28	26
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			CONTRACT NO. 60D33	



PROP. CURVE PALIMA-9
 PI STA. = 657+66.65 E = 1,030.71'
 Δ = 76° 05' 46" (LT) θ = -----
 D = 1° 30' 00" T.R. = -----
 R = 3,819.53' S.E. RUN = -----
 T = 2,989.31' P.C. STA. = 627+77.34
 L = 5,072.83' P.T. STA. = 678+50.17



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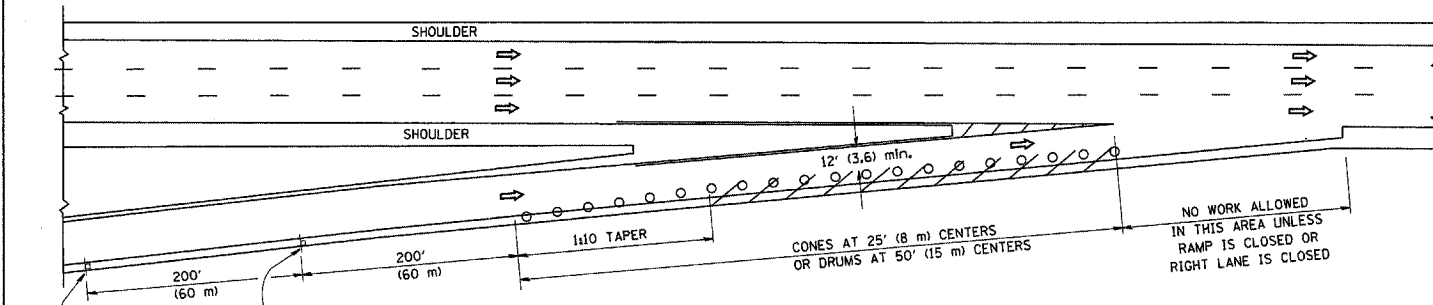
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

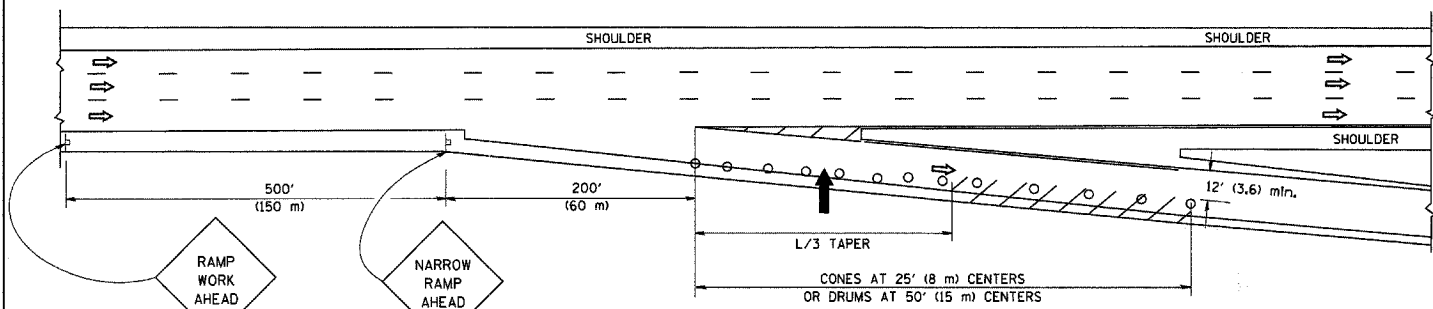
EXISTING AND PROPOSED ROADWAY PLANS
 SCALE: 50 SHEET NO. 27 OF 28 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2007-043 1	WILL	28	27
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 60D33	

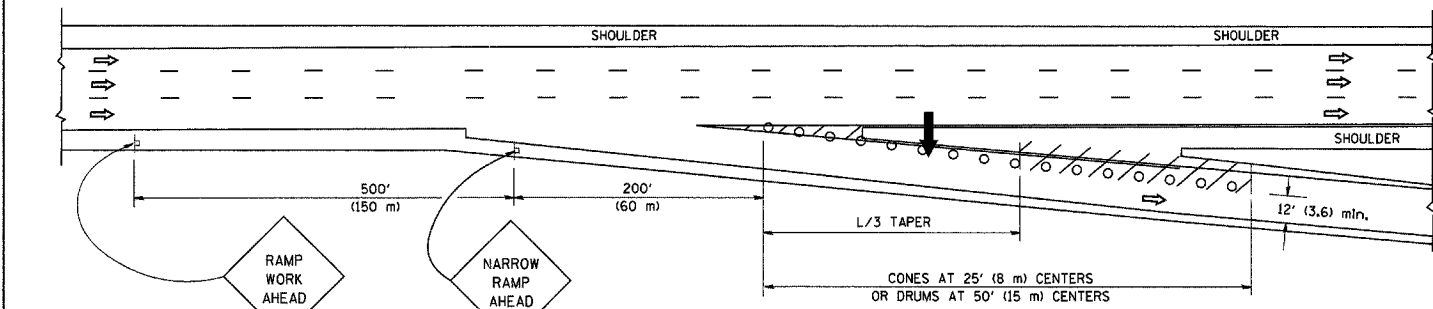
PARTIAL RAMP CLOSURE DETAILS



TYPICAL ENTRANCE RAMP



TYPICAL EXIT RAMP



TYPICAL EXIT RAMP

SYMBOLS

- ARROWBOARD
- WORK AREA
- SIGN ON PORTABLE OR PERMANENT SUPPORT
- FLAGGER WITH CONTROL SIGN
- TYPE II BARRICADE, DRUM OR VERTICAL BARRICADE WITH STEADY BURN MONO-DIRECTIONAL LIGHT
- CONE, DRUM OR BARRICADE

GENERAL NOTES

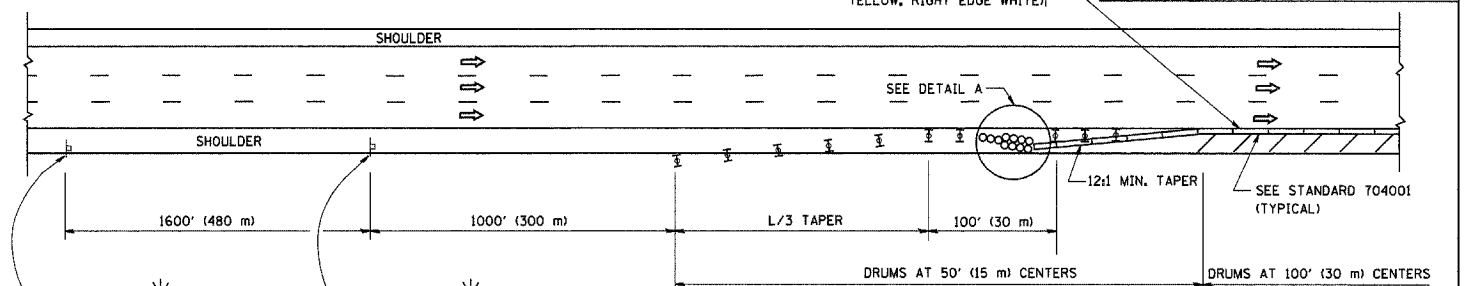
1. THE "L" DISTANCE EQUALS:

SPEED LIMIT	FORMULAS
45 mph (80 km/h)	METRIC ENGLISH
OR GREATER:	$L=0.65(W/S)$ $L=(W/S)$

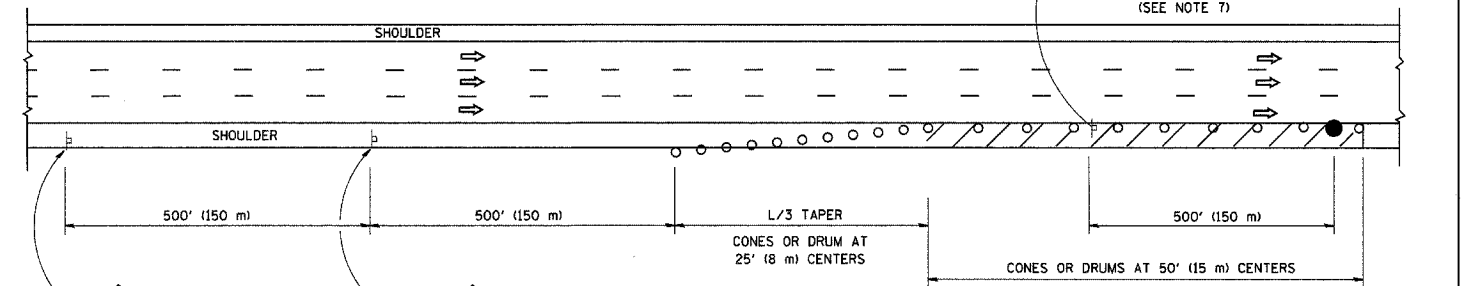
W = WIDTH OF OFFSET IN FEET (METERS)
 S = NORMAL POSTED SPEED MPH (KM/H)
2. PLASTIC DRUMS WITH HIGH PERFORMANCE REFLECTIVE SHEETING AND STEADY BURNING LIGHTS ARE REQUIRED FOR ALL NIGHTTIME CLOSURES.
3. ALL SIGNS SHALL BE POST MOUNTED IF THE CLOSURE TIME EXCEEDS FOUR DAYS.
4. FLASHING LIGHTS SHALL BE USED DURING THE HOURS OF DARKNESS AND SHALL BE INSTALLED ABOVE THE FIRST TWO SETS OF SIGNS.

SHOULDER CLOSURE DETAILS

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
80	2007-043 I	WILL	28	28
STA.	TO STA.			
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

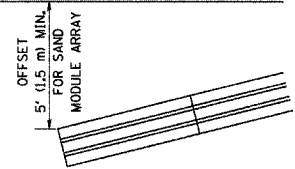


PERMANENT SHOULDER CLOSURE



DAYTIME SHOULDER CLOSURE

ARRAY DESIGN PER MANUFACTURER TO BE NCHRP 350 COMPLIANT FOR POSTED SPEED.



DETAIL "A" IMPACT ATTENUATOR, TEMPORARY (SEE NOTE 5)

5. THE IMPACT ATTENUATOR, TEMPORARY IS NOT REQUIRED WHEN THE TEMPORARY CONCRETE BARRIER WALL IS PROTECTED BY OR IS TIED INTO THE EXISTING GUARDRAIL. IF OFFSET IS LESS THAN 5 FEET USE "TRAFFIC BARRIER TERMINAL, TYPE III, TEMPORARY" DEVICE TO MEET NCHRP350 FOR POSTED SPEED.
6. AUTHORIZATION FROM THE DISTRICT'S BUREAU OF TRAFFIC IS REQUIRED FOR ALL FREEWAY CLOSURES.
7. THE FLAGGER AND FLAGGER SIGN ARE REQUIRED AT THE ABOVE WORK SITES WHEN:
 - a. FOUR OR MORE WORK VEHICLES ENTER THE TRAFFIC LANES IN A ONE HOUR PERIOD.
 - b. THE WORK AVTIVITY REQUIRES FREQUENT ENCR OACHMENT INTO THE LANE OPEN TO TRAFFIC.
 THE FLAGGER SHALL BE STATIONED APPROXIMATELY 100' (30 m) TO 200' (60 m) IN ADVANCE OF THE WORKERS.

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

REVISIONS	
NAME	DATE
DWS	11/96
JAF	12/02
NCHRP 350	04/03
JAF	2/06
SPB	1/07

ILLINOIS DEPARTMENT OF TRANSPORTATION
 TRAFFIC CONTROL DETAILS
 FOR FREEWAY
 SHOULDER CLOSURES
 PARTIAL RAMP CLOSURES

SCALE: NONE

DESIGNED BY: DWS

DRAWN BY

CHECKED BY

TC-17