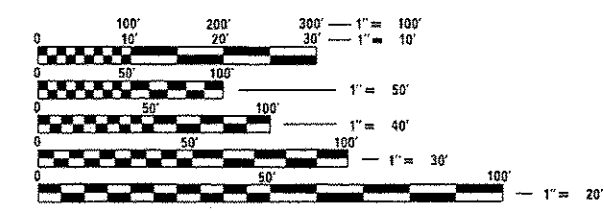


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	DIST 8 ITS 2015-2	ST. CLAIR	50	1
ILLINOIS			CONTRACT NO. 76H30	

- INDEX OF SHEETS**
1. COVER SHEET
 2. GENERAL NOTES, LEGEND AND COMMITMENTS
 3. & 4. SUMMARY OF QUANTITIES 1 & 2 OF 2
 5. ITS KEY MAP
 6. & 7. TRAFFIC DATA SCHEDULE, LANE RESTRICTION SCHEDULE AND TRAFFIC CONTROL AND PROTECTION SCHEDULE 1 & 2 OF 2
 8. CCTV AND RADAR VEHICLE DETECTION MOUNTING DETAIL
 9. & 10. SERVICE INSTALLATION AND TOWER MOUNTED CCTV DETAIL WITH CAMERA LOWERING DEVICE DETAILS 1 & 2 OF 2
 11. LIGHT TOWER FOUNDATION DETAILS
 - 12.-20. ITS PLAN 1-9 OF 9
 - 21.-29. EROSION CONTROL PLAN 1-9 OF 9
 30. FIBER NETWORK DETAIL
 31. FIBER TERM-SPL SUMMARY & OPTICAL EQUIPMENT SCHEDULE
 32. & 33. COMMUNICATION SHEETS 1 & 2 OF 2
 - 34.-36. I-255 BRIDGE OVER SUMMIT AVE. CONDUIT DETAILS, 1-3 OF 3
 - 37.-41. I-255 BRIDGE OVER METRO /ST. CLAIR AVE. CONDUIT DETAILS, 1-5 OF 5
 - 42.-45. I-255 BRIDGE OVER HARDING DITCH CONDUIT DETAILS, 1-4 OF 4
 - 46.-48. I-255 CROSS SECTIONS
 49. & 50. SOIL BORING LOG

STANDARDS

701101-04	701106-02	701400-08
701401-09	701406-09	701411-09
701421-07	701428	701446-06
701456-03	701501-06	701601-09
701801-05	701901-04	814001-03
814006-02	878001-10	



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: PATTI LEBEAU (618)-346-3179
SQUAD LEADER: MICHAEL PRESTON (618)-346-3143
LIAISON ENGINEER: LINDA LEONARD (618)-346-3285
CONTRACT NO. 76H30

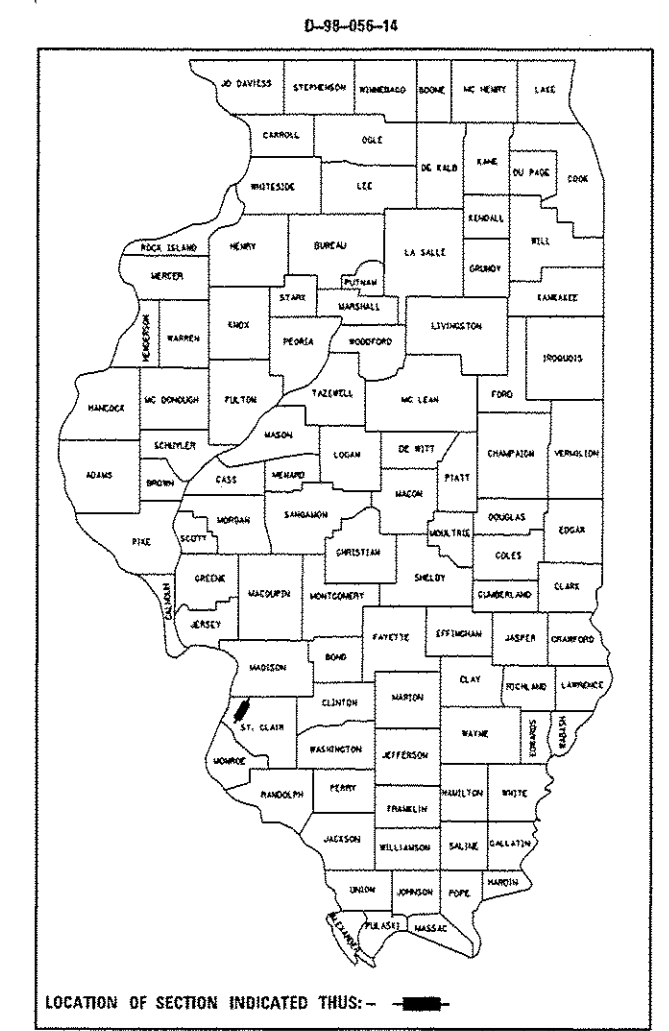
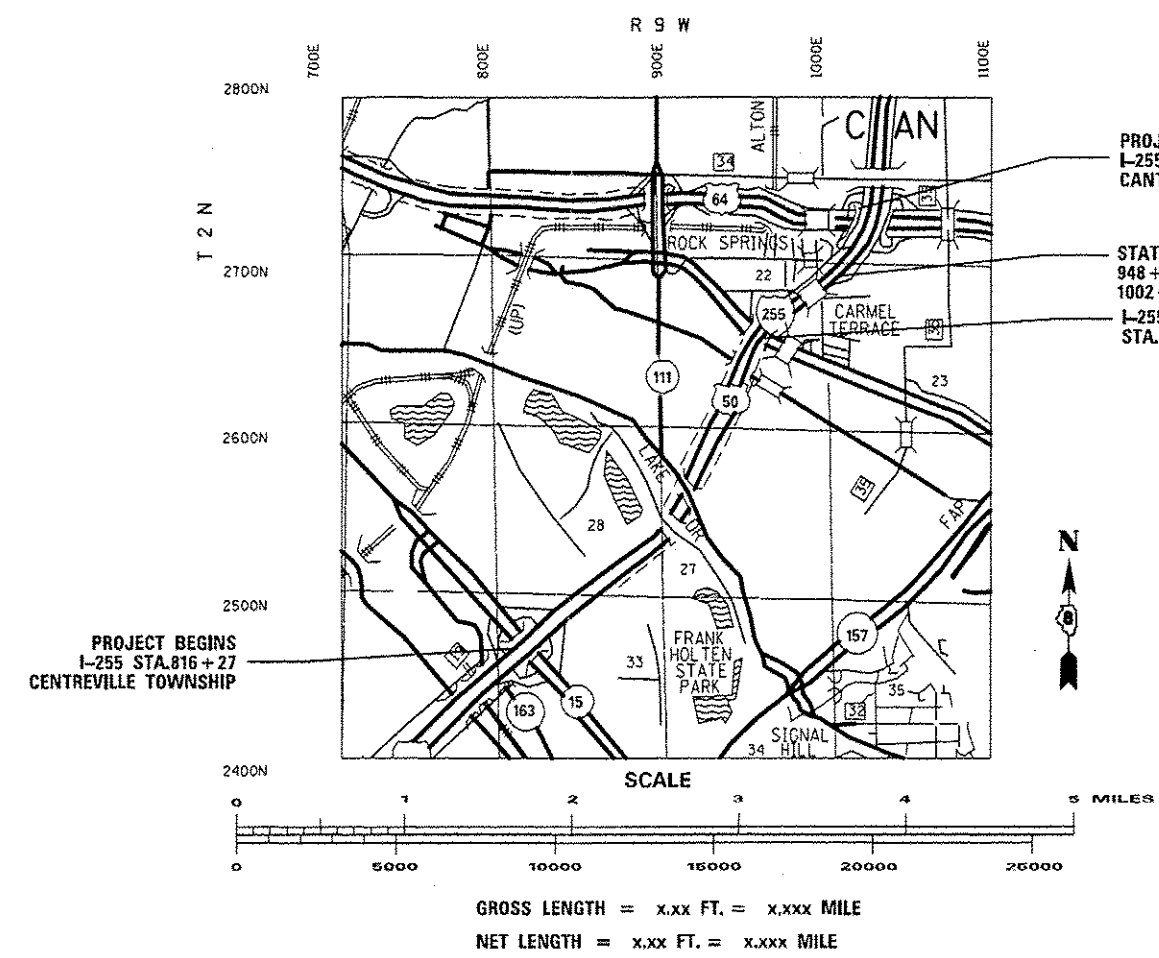
STATE OF ILLINOIS 04-24-2015 LETTING ITEM 087

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

FAI ROUTE 255 (I-255)
SECTION DIST 8 ITS 2015-2
PROJECT ACCMM - 0255 (402)
ST. CLAIR COUNTY
ITS COMMUNICATION, DETECTION AND SURVEILLANCE DEVICES ON I-255
FROM IL 15 (MP 17.0) TO I-64 (MP 20.0)
C-98-057-14



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED Jan 23 20 15

Jeffrey T. K...
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

Mar 20 20 15
John D. Baranzelli, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

Mar 20 20 15
Omer Osman, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

LEGEND

EP	EDGE OF PAVEMENT
FO	FIBER OPTIC CABLE IN CONDUIT
IPP	INLET AND PIPE PROTECTION
PVC	POLYVINYL CHLORIDE CONDUIT
MTR	METRO
	EXISTING RADAR VEHICLE DETECTOR
	EXISTING RADAR VEHICLE DETECTOR
	EXISTING JUNCTION BOX
	EXISTING DOUBLE HANDHOLE (EXDHH**)
	EXISTING CONTROLLER
	EXISTING CONDUIT
	EXISTING SERVICE INSTALLATION
	PROPOSED HANDHOLE (HH**)
	PROPOSED DOUBLE HANDHOLE (DHH**)
	PROPOSED SERVICE INSTALLATION
	PROPOSED CONDUIT (SEE GEN. NOTE REGARDING MULTI-DUCT CONDUIT)
	PROPOSED JUNCTION BOX, SIZE SPECIFIED (JB**)
	PROPOSED CCTV
	PROPOSED RADAR VEHICLE DETECTOR
	TEMPORARY EROSION CONTROL SEEDING
	INLET AND PIPE PROTECTION (IPP)
	EXISTING ACCESS CONTROL FENCE
	EXISTING ROW
	EXISTING UNDERGROUND LIGHTING CABLES

1. ALL MATERIALS SHALL CONFORM TO SECTION 106 OF THE STANDARD SPECIFICATIONS FOR CONTROL OF MATERIALS.

2. THE JUNCTION BOXES SHALL BE UNPAINTED ALUMINUM SHEET METAL UNLESS OTHERWISE SPECIFIED ON THE PLANS.

3. UNDERGROUND CABLE MARKING TAPE SHALL BE INSTALLED WITH ALL TRENCHED CONDUIT IN ACCORDANCE WITH ARTICLES 810.04 AND 1066.05 OF THE STANDARD SPECIFICATIONS.

4. THE CONTRACTOR SHALL NOT DRILL ANY HOLES IN THE BEAMS, DECK, OR SUBSTRUCTURE OF THE BRIDGE, UNLESS APPROVED BY THE ENGINEER.

5. ALL GROUND RODS SUPPLIED FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH ARTICLE 1087.01. ALL CONNECTIONS TO GROUND RODS SHALL BE MADE VIA EXOTHERMIC WELD. COMPRESSION CLAMPS WILL NOT BE ALLOWED.

6. COORDINATION WITH THE DEPARTMENT'S BUREAU OF OPERATIONS IS REQUIRED BEFORE ANY TRENCHING SHALL BE DONE TO LOCATE HIGHWAY LIGHTING/PUMP STATION/ITS FACILITIES AND TO COORDINATE OTHER FIELD ACTIVITIES.

7. BENDING RADIUS OF FIBER OPTIC CABLE SHALL NOT BE LESS THAN SIX (6) INCHES.

8. ALL HANDHOLES SHALL BE CONSTRUCTED OF PORTLAND CEMENT CONCRETE PER SECTION 814 OF THE STANDARD SPECIFICATIONS. THE LEGEND ON THE COVER SHALL BE "ITS". SLOPE HANDHOLE TO MATCH FINAL GRADE ELEVATION.

9. ALL UTILITIES AND DRAINAGE STRUCTURES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY ATTEMPT TO CONSTRUCT ANY COMPONENT OF THE VARIOUS ITS EQUIPMENT SYSTEMS. THE COST FOR LOCATING DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR UNDERGROUND CONDUIT OF THE TYPE AND SIZE SPECIFIED.

10. ILLINOIS STATE LAW REQUIRES A 48 HOUR NOTICE BE GIVEN TO UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING JOINT UTILITY LOCATING INFORMATION (J.U.L.I.E) OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:

- AMEREN ILLINOIS (GAS & ELECTRIC)
- AT&T ILLINOIS (COMMUNICATIONS)
- BUCKEYE PARTNERS L.P.-WOOD RIVER PIPELINE (PIPELINE)
- VILLAGE OF CASEYVILLE (WATER AND SANITARY SEWER)
- CHARTER COMMUNICATIONS, INC. (CABLE TV)
- CLEARWAVE COMMUNICATIONS (COMMUNICATIONS)
- DEPARTMENT OF CENTRAL MANAGEMENT SERVICES (COMMUNICATIONS)
- CITY OF COLUMBIA (WATER AND SANITARY SEWER)
- COMMONFIELDS OF CAHOKIA PUBLIC WATER DISTRICT (WATER AND SANITARY SEWER)
- CITY OF EAST SAINT LOUIS (LIGHTING)
- ENABLE - MISSISSIPPI RIVER TRANSMISSION LLC (PIPELINE)
- FRONTIER NORTH, INC. (COMMUNICATIONS)
- HARRISONVILLE TELEPHONE COMPANY (COMMUNICATIONS)
- ILLINOIS AMERICAN WATER COMPANY (WATER)
- LEVEL 3 COMMUNICATIONS, LLC (COMMUNICATIONS)
- VERIZON BUSINESS (COMMUNICATIONS)
- MEDIACOM LLC CENTRAL (CABLE TV)
- METRO (COMMUNICATIONS)
- PRAIRIE DU PONT PUBLIC WATER DISTRICT (WATER)
- QWEST COMMUNICATIONS (COMMUNICATIONS)
- WINDSTREAM KDL, INC. (COMMUNICATIONS)
- ZAYO FIBER SOLUTIONS (COMMUNICATIONS)

MEMBERS OF J.U.L.I.E. ARE INDICATED BY AN "*" THE (J.U.L.I.E.) SYSTEM NUMBERS ARE (800)-892-0123 AND 811. NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

GENERAL NOTES

11. ALL FIBER BACKBONE CONDUIT SHALL BE PLACED A MINIMUM OF 5' FROM EDGE OF PAVEMENT. FINAL LOCATION SHALL BE APPROVED BY THE ENGINEER.

12. THE CONTRACTOR SHALL BE REQUIRED TO PERFORM FIELD MEASUREMENTS TO VERIFY DIMENSIONS MATERIAL TYPE OF EXISTING STRUCTURES PRIOR TO ORDERING MOUNTING HARDWARE. CONDUIT ATTACHED TO STRUCTURE SHALL BE INSTALLED PER THE APPLICABLE PORTIONS OF SECTION 811 REGARDING SUPPORTS, SUSPENSION, FASTENERS AND HARDWARE.

13. FIBER OPTIC CABLE PULL TENSION WILL BE LIMITED BY PROVIDING JUNCTION BOXES OR HANDHOLES AT INTERVALS NO GREATER THAN 750 FEET.

14. A 1/4" DIA. NYLON ROPE SHALL BE INSTALLED IN ALL CONDUIT RUNS. THE COST OF PULL ROPE SHALL BE INCLUDED IN THE PROPOSED ELECTRIC CABLE INSTALLATION AND OR FIBER OPTIC CABLE IN THAT CONDUIT.

15. THE CONTRACTOR SHALL PAY ATTENTION TO SECTION 107 "LEGAL REGULATIONS AND RESPONSIBILITY TO PUBLIC" OF THE STANDARD SPECIFICATIONS. IN PARTICULAR ARTICLE 107.01 "LAWS TO BE OBSERVED" AND ARTICLE 107.04 "PERMITS AND LICENSES".

16. THE COST TO REMOVE AND REPLACE ANY EXISTING RIP RAP ENCOUNTERED DURING TRENCHING OPERATIONS SHALL BE INCLUDED IN THE UNIT PRICE OF THE ASSOCIATED "UNDERGROUND CONDUIT, (SIZE & TYPE, AS SPECIFIED)".

17. INLET AND PIPE PROTECTION (IPP) SHALL BE PLACED IN "ACTIVE" WORKZONES ONLY. AN "ACTIVE" WORKZONE IS DEFINED AS AN AREA WHERE THE CONTRACTOR IS CURRENTLY INSTALLING MULTI-DUCT CONDUIT. INLET AND PIPE PROTECTION PLACEMENT IN AN "INACTIVE" WORKZONE SHALL BE WITH THE ENGINEER'S PERMISSION.

18. IN ADDITION TO BACKFILLING AND MECHANICALLY COMPACTING CONDUIT TRENCHES PER ARTICLE 810.04(A) OF THE STANDARD SPECIFICATIONS, SUITABLE AND SUFFICIENT BACKFILL MATERIAL SHALL BE ADDED ABOVE THE TRENCH TO TAKE CARE OF ANTICIPATED FINAL GRADE SETTLEMENT, AS DIRECTED BY THE ENGINEER.

19. CLEAR VEGETATION PER ARTICLES 201.01(A), 201.03, 201.08, 201.09 AND 201.10(A) OF THE STANDARD SPECIFICATIONS.

20. THE ENGINEER MAY PERMIT ACCESS CONTROL FENCING REMOVAL AND IMMEDIATE REPLACEMENT TO FACILITATE CONDUIT INSTALLATION. THE PRICE OF ACCESS CONTROL FENCING REMOVAL AND REPLACEMENT SHALL BE INCLUDED IN THE UNIT COST OF ASSOCIATED CONDUIT INSTALLATION WITH NO ADDITIONAL COMPENSATION ALLOWED.

FILE NAME *	USER NAME * prestonma	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, LEGEND AND COMMITMENTS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
a:\p\work\p\wdot\prestonma\0309142\08	6H30-shr-staplan.dgn	DRAWN -	REVISED -			255	DIST 8 ITS 2015-2	ST. CLAIR	50	2			
	PLOT SCALE = 100,2538' / 1".	CHECKED -	REVISED -										
	PLOT DATE = 1/22/2015	DATE -	REVISED -										
						SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.		
						ILLINOIS FED. AID PROJECT						CONTRACT NO. 76H30	

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			URBAN	80/20 FED / STATE CONSTRUCTION TYPE CODE 0021		
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	STATE ST.	F.O. COMM.	TMC
20100500	TREE REMOVAL, ACRES	ACRE	0.5		0.5	
25000210	SEEDING, CLASS 2A	ACRE	2.5		2.5	
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	225		225	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	225		225	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	225		225	
25100105	MULCH, METHOD 1	ACRE	2.5		2.5	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	250		250	
28000500	INLET AND PIPE PROTECTION	EACH	18		18	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	6	6	
67100100	MOBILIZATION	L SUM	1	0.3	0.5	0.2
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1		1	
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	8		8	
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1		1	

SUMMARY OF QUANTITIES			URBAN	80/20 FED / STATE CONSTRUCTION TYPE CODE-0021		
CODE NO	ITEM	UNIT	TOTAL QUANTITIES	STATE ST.	F.O. COMM.	TMC
70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	L SUM	1		1	
70102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601	L SUM	1		1	
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1		1	
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1		1	
80300100	LOCATING UNDERGROUND CABLE	FOOT	17803		17803	
80500100	SERVICE INSTALLATION, TYPE A	EACH	1	1		
81028340	UNDERGROUND CONDUIT, PVC, 1 1/2" DIA.	FOOT	475	475		
81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	10	10		
81300835	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 10"	EACH	1	1		
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	37		37	
81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	8		8	
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	2040	2040		
83700300	LIGHT TOWER FOUNDATION, 48" DIAMETER	FOOT	12	12		

25 26

FILE NAME *	USER NAME * prestonne	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		SUMMARY OF QUANTITIES		F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
cd\pwork\psidot\prestonne\0389142\087630-shr-1stplan.dgn		DRAWN -	REVISED -					255	DIST 8 ITS 2015-2	ST. CLAIR	50	3
PLOT SCALE * 100,2538' / in.		CHECKED -	REVISED -					CONTRACT NO. 76H30				
PLOT DATE * 1/22/2015		DATE -	REVISED -					ILLINOIS/FED. AID PROJECT				
				SCALE:		SHEET OF SHEETS		STA.		TO STA.		

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			URBAN	80/20 FED / STATE		
			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 0021		
CODE NO	ITEM	UNIT		STATE ST.	F.O. COMM.	TMC
87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO.	FOOT	16308		16308	
	14 1C					
87900200	DRILL EXISTING HANDHOLE	EACH	1		1	
89502350	REMOVE AND REINSTALL ELECTRIC CABLE	FOOT	30		30	
	FROM CONDUIT					
X0322227	CLOSED CIRCUIT TELEVISION CAMERA SYSTEM	EACH	1	1		
X0325072	MODIFY EXISTING CONTROLLER CABINET TYPE	EACH	1		1	
	A					
X0325076	WIDE AREA NETWORK	L SUM	1			1
X0325077	FIBER OPTIC UTILITY MARKER	EACH	60		60	
X0325086	CONDUIT ATTACHED TO STRUCTURE, 4" DIA.,	FOOT	340		340	
	FIBERGLASS BULLET RESISTANT, MULTI-DUCT					
X0325476	RADAR VEHICLE DETECTION SYSTEM	EACH	1	1		
X0325482	REMOVE EXISTING ITS EQUIPMENT	EACH	2		2	
X0325483	SFP-GE-L SFP MODULE	EACH	4	1	1	2
X0325484	SFP-GE-Z SFP MODULE	EACH	2		1	1
X0325487	WIRED COMMUNICATION DATA CONVERTOR	EACH	1	1		

SUMMARY OF QUANTITIES			URBAN	80/20 FED / STATE		
			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE-0021		
CODE NO	ITEM	UNIT		STATE ST.	F.O. COMM.	TMC
X0325593	LIGHT TOWER, 80 FT, WITH CAMERA	EACH	1	1		
	LOWERING SYSTEM					
X0326259	DIGITAL VIDEO ENCODER	EACH	1		1	
X0326912	3000 LAYER 2 SWITCH	EACH	2	1	1	
X7010410	SPEED DISPLAY TRAILER	CAL MO	6		6	
X8102839	UNDERGROUND CONDUIT, PVC, 4" DIA.,	FOOT	18053		18053	
	MULTI-DUCT					
X8110128	CONDUIT ATTACHED TO STRUCTURE, 4" DIA.,	FOOT	900		900	
	PVC TYPE C					
X8630103	CONTROLLER CABINET TYPE III, SPECIAL	EACH	1	1		
X8710075	FIBER OPTIC CABLE IN CONDUIT, 72 COND.	FOOT	20918		20918	
	S.M. F.O.					
X8780105	CONCRETE FOUNDATIONS (SPECIAL)	EACH	1	1		
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1		1	
22						

TRAFFIC DATA SCHEDULE											
ZONE #	1	2	3	4	5	6	7	8	9	10	11
ROAD	I-255 SB RAMP TO IL 15 EB	I-255 NB RAMP TO IL 15 WB	IL 15 WB RAMP TO I-255 SB	IL 15 EB RAMP TO I-255 NB	IL 15 EB UNDER I-255	IL 15 WB UNDER I-255	IL 15 WB RAMP TO I-255 NB	I-255 SB OVER IL 15	I-255 NB OVER IL 15	STATE ST. EB WEST OF I-255 NB EXIT RAMP	STATE ST. WB WEST OF I-255 NB EXIT RAMP
YEAR	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015
ADT (EST.)	5800	800	5400	1200	8800	20200	5700	22400	21400	3200	3200
SU%	5. 5%	2. 9%	5. 0%	3. 9%	2. 0%	2. 8%	3. 6%	2. 7%	2. 8%	3. 0%	3. 0%
MU%	9. 3%	2. 8%	9. 3%	6. 0%	2. 0%	4. 5%	11. 0%	12. 3%	11. 2%	1. 2%	1. 2%

ZONE #	12	13	14	15	16	17	18	19	20	21	22
ROAD	I-255 NB OVER STATE ST.	I-255 NB RAMP TO STATE ST.	STATE ST. RAMP TO I-255 NB	I-255 NB OVER SUMMIT AVE.	SUMMIT AVE. UNDER I-255	SUMMIT AVE. UNDER I-255	I-255 NB OVER ST. CLAIR	ST. CLAIR UNDER I-255	ST. CLAIR UNDER I-255	I-255 SB BETWEEN ST. CLAIR AND I-64 EB RAMP	I-255 SB RAMP TO I-64 WB
YEAR	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015	2015
ADT (EST.)	22400	875	975	21800	1200	1200	21800	5800	5800	21700	900
SU%	3. 0%	2. 4%	2. 1%	2. 8%	3. 2%	3. 2%	2. 8%	3. 9%	3. 9%	2. 8%	1. 1%
MU%	13. 2%	2. 4%	2. 1%	13. 1%	2. 0%	2. 0%	13. 1%	1. 7%	1. 7%	11. 7%	4. 4%

ZONE #	23	24	25
ROAD	I-64 EB UNDER I-255	I-64 WB UNDER I-255	I-64 WB RAMP TO I-255 SB
YEAR	2015	2015	2015
ADT (EST.)	42500	42200	6500
SU%	4. 0%	4. 0%	3. 9%
MU%	6. 0%	6. 0%	7. 4%

TRAFFIC CONTROL AND PROTECTION STANDARDS	TRAFFIC CONTROL AND PROTECTION										
	1	2	3	4	5	6	7	8	9	10	11
	SRVC INSTLTN, SPL 283+45, 65' L (OLD MO. RD.) TO EXHH01	EXHH01 286+45, 65' L(OLD MO. RD.) TO EXHH04	EXHH04 292+30, 80' L(OLD MO. RD.) TO EXHH05	EXHH05 7+10, 10' R(RAMP H.) TO EXHH07	EXHH07 816+34, 80' L TO DHH01	DHH01 818+16, 75' L TO HH01	HH01 818+08, 75' R TO DHH02	DHH02 101+00, 80' R (IL 15) TO DHH03	DHH03 101+00, 80' L (IL 15) TO HH02	HH02 3+60, 12' R (RAMP D) TO HH03	HH03 3+60, 25' L (RAMP D) TO HH04
	286+45, 65' L(OLD MO. RD.)	292+30, 80' L(OLD MO. RD.)	7+10, 10' R(RAMP H.)	816+34, 80' L	818+16, 75' L	818+08, 75' R	101+00, 80' R (IL 15)	101+00, 80' L (IL 15)	3+60, 12' R (RAMP D)	3+60, 25' L (RAMP D)	21+90, 25' L (RAMP C)
701101	X	X	X	X	X	X	X	X	X	X	X
701106	X	X	X	X	X	X	X	X	X	X	X
701400											
701406*											
701411											
701421											
701428											
701456											
701501											
701601											
701801											

TRAFFIC CONTROL AND PROTECTION STANDARDS	12	13	14	15	16	17	18	19	20	21	22
	HH04 21+90, 25' L (RAMP C) TO HH05	HH05 21+91, 15' R (RAMP C) TO HH06	HH06 835+00, 80' R TO HH08	HH08 852+70, 65' R TO HH09	HH09 853+40, 65' R TO HH18	SI01 104+50, 60' R (STATE ST.) TO HH18	HH18 101+50, 55' R (STATE ST.) TO HH19	HH19 101+50, 55' R (STATE ST.) TO DHH05	DHH05 920+50, 80' R TO HH20	HH20 9+40, 15' R (RAMP B) TO HH21	HH21 9+40, 30' L (RAMP B) TO HH22
	21+91, 15' R (RAMP C)	835+00, 80' R	852+70, 65' R	853+40, 65' R	101+50, 55' R (STATE ST.)	101+50, 55' R (STATE ST.)	101+50, 55' R (STATE ST.)	920+50, 80' R	9+40, 15' R (RAMP B)	9+40, 30' L (RAMP B)	16+00, 35' L (RAMP C)
701101	X	X	X	X	X	X	X	X	X	X	X
701106	X	X	X	X	X	X	X	X	X	X	X
701400											
701406*											
701411											
701421											
701428											
701456											
701501											
701601											
701801											

TRAFFIC CONTROL AND PROTECTION STANDARDS	23	24	25	26	27	28	29	30	31	32	33
	HH22 16+00, 35' L (RAMP C) TO HH23	HH23 16+85, 15' R (RAMP C) TO HH24	HH24 18+85, 10' R (RAMP C) TO HH25	HH25 25+95, 10' R (RAMP C) TO HH26	HH26 948+60, 80' R TO HH27	HH27 948+20, 10' R TO HH30	HH30 1020+60, 15' L TO HH31	HH31 1023+50, 15' L TO DHH08	DHH08 1042+75, 00' TO HH34	HH34 2+00, 30' L (RAMP D) TO HH35	HH35 2+00, 15' L (RAMP D) TO HH36
	16+85, 15' R (RAMP C)	18+85, 10' R (RAMP C)	25+95, 10' R (RAMP C)	948+60, 80' R	948+20, 10' R	1020+60, 15' L	1023+50, 15' L	1042+75, 00'	2+00, 30' L (RAMP D)	2+00, 15' L (RAMP D)	277+65, 135' R (I-64)
701101	X	X	X	X	X	X	X	X	X	X	X
701106	X	X	X	X	X	X	X	X	X	X	X
701400											
701406*											
701411											
701421											
701428											
701456											
701501											
701601											
701801											

TRAFFIC CONTROL AND PROTECTION STANDARDS	34	35	36	37	TOTAL
	HH36	HH37	EXHH08	EXHH09	
	277 + 65, 135' R (I-64)	277 + 65, 00' (I-64)	2 + 15, 45' L (RAMP B)	2 + 15, 15' R (RAMP B)	
	TO HH37	TO EXHH08	TO EXHH09	TO MP025521.0 CONTROLLER	
	277 + 65, 00' (I-64)	2 + 15, 45' L (RAMP B)	2 + 15, 15' R (RAMP B)	1053 + 60, 165' L	
701101	X	X	X	X	NM
701106	X	X	X	X	NM
701400	X	X			NM
701406*	0.07	0.07			1.00 L SUM
701411					8.00 EACH
701421					1.00 L SUM
701428					NM
701456	0.08	0.08			1.00 L SUM
701501					1.00 L SUM
701601					1.00 L SUM
701801					1.00 L SUM

*USE 701400, ALSO

NM=NOT MEASURED

IL 015 LANE RESTRICTIONS SCHEDULE

WB	MONDAY-THURSDAY	6:00A-9:00A: NO LANE RESTRICTIONS PERMITTED
	FRIDAY	NO LANE RESTRICTIONS PERMITTED
	SATURDAY-SUNDAY	LANE RESTRICTIONS PERMITTED
EB	MONDAY-THURSDAY	3:00P-6:00P: NO LANE RESTRICTIONS PERMITTED
	FRIDAY	NO LANE RESTRICTIONS PERMITTED
	SATURDAY-SUNDAY	LANE RESTRICTIONS PERMITTED

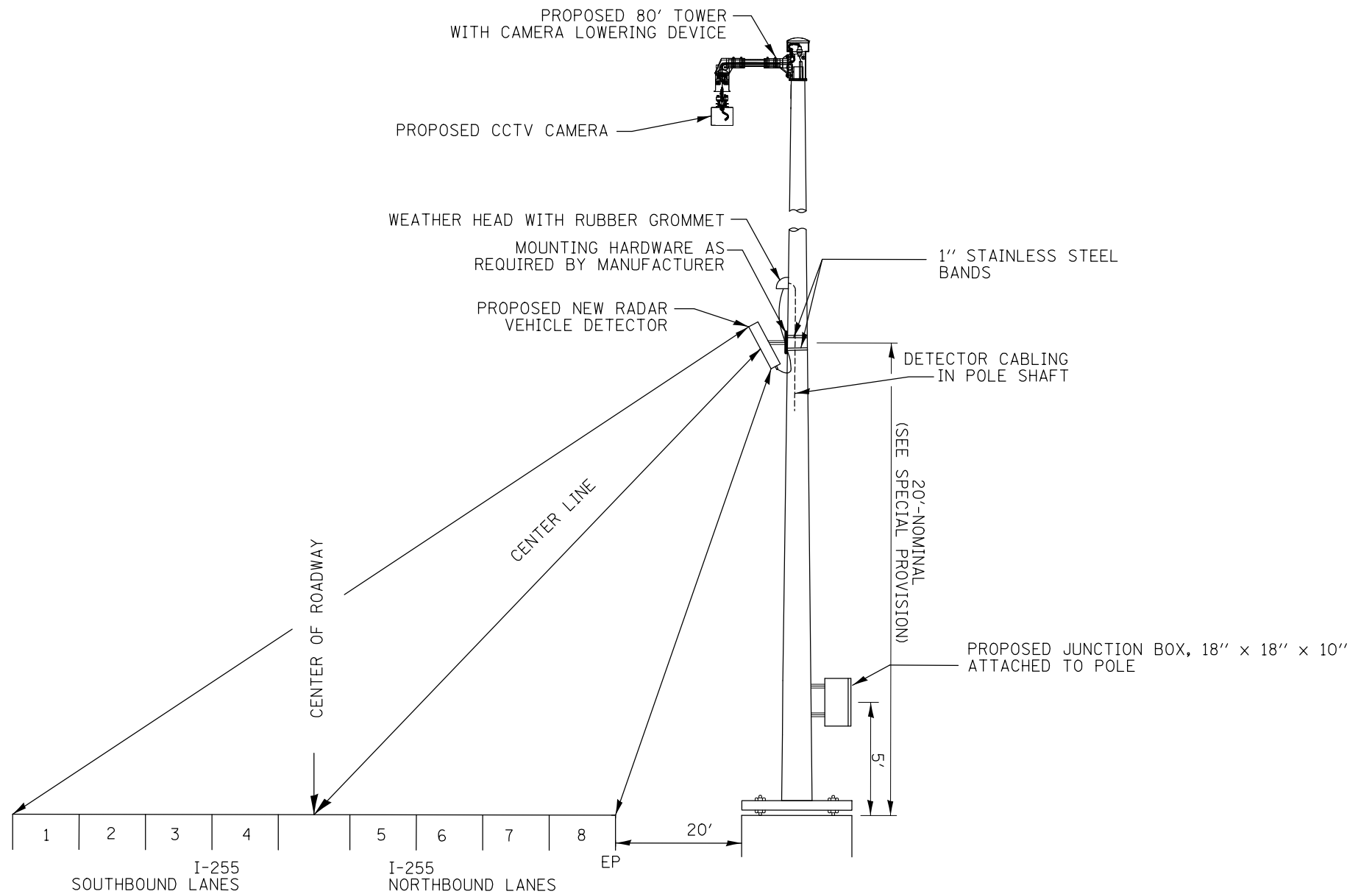
I-255 LANE RESTRICTIONS SCHEDULE

THE CONTRACTOR IS ALLOWED ONE (1) LANE CLOSURE WITH NO PEAK HOUR RESTRICTIONS, EXCEPT FRIDAYS. NO LANE CLOSURES ARE ALLOWED FRIDAYS FROM NOON- MIDNIGHT. TWO (2) LANES CLOSURES WILL NOT BE PERMITTED AT ANY TIME.
--

I-064 LANE RESTRICTIONS SCHEDULE

WB	MONDAY-THURSDAY	6:00A-9:00A: NO LANE RESTRICTIONS PERMITTED
	FRIDAY	NO LANE RESTRICTIONS PERMITTED
	SATURDAY-SUNDAY	LANE RESTRICTIONS PERMITTED
EB	MONDAY-THURSDAY	3:00P-6:00P: NO LANE RESTRICTIONS PERMITTED
	FRIDAY	NO LANE RESTRICTIONS PERMITTED
	SATURDAY-SUNDAY	LANE RESTRICTIONS PERMITTED

FILE NAME = c:\pw_work\pwwork\prestonme\ad0389142\ad0389142-shd-itsplan.dgn	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC DATA SCHEDULE, LANE RESTRICTIONS SCHEDULE AND TRAFFIC CONTROL AND PROTECTION SCHEDULE 2 OF 2				F.A.I. RTE.	SECTION		COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -						255	DIST 8 ITS 2015-2		ST. CLAIR	50	7
	PLOT SCALE = 100.2538 ' / in.	CHECKED -	REVISED -								CONTRACT NO. 76H30			
	PLOT DATE = 1/26/2015	DATE -	REVISED -								ILLINOIS FED. AID PROJECT			
					SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.				



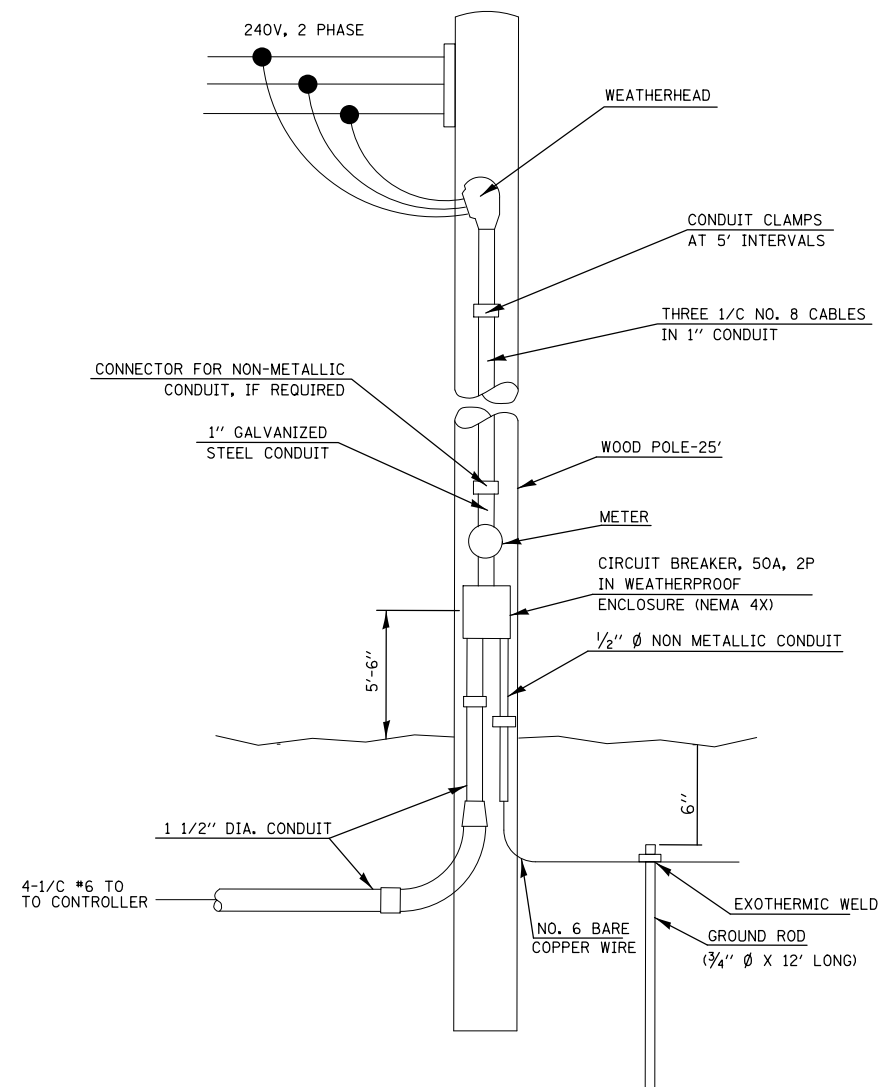
DETAIL
RADAR VEHICLE DETECTOR

NOT TO SCALE

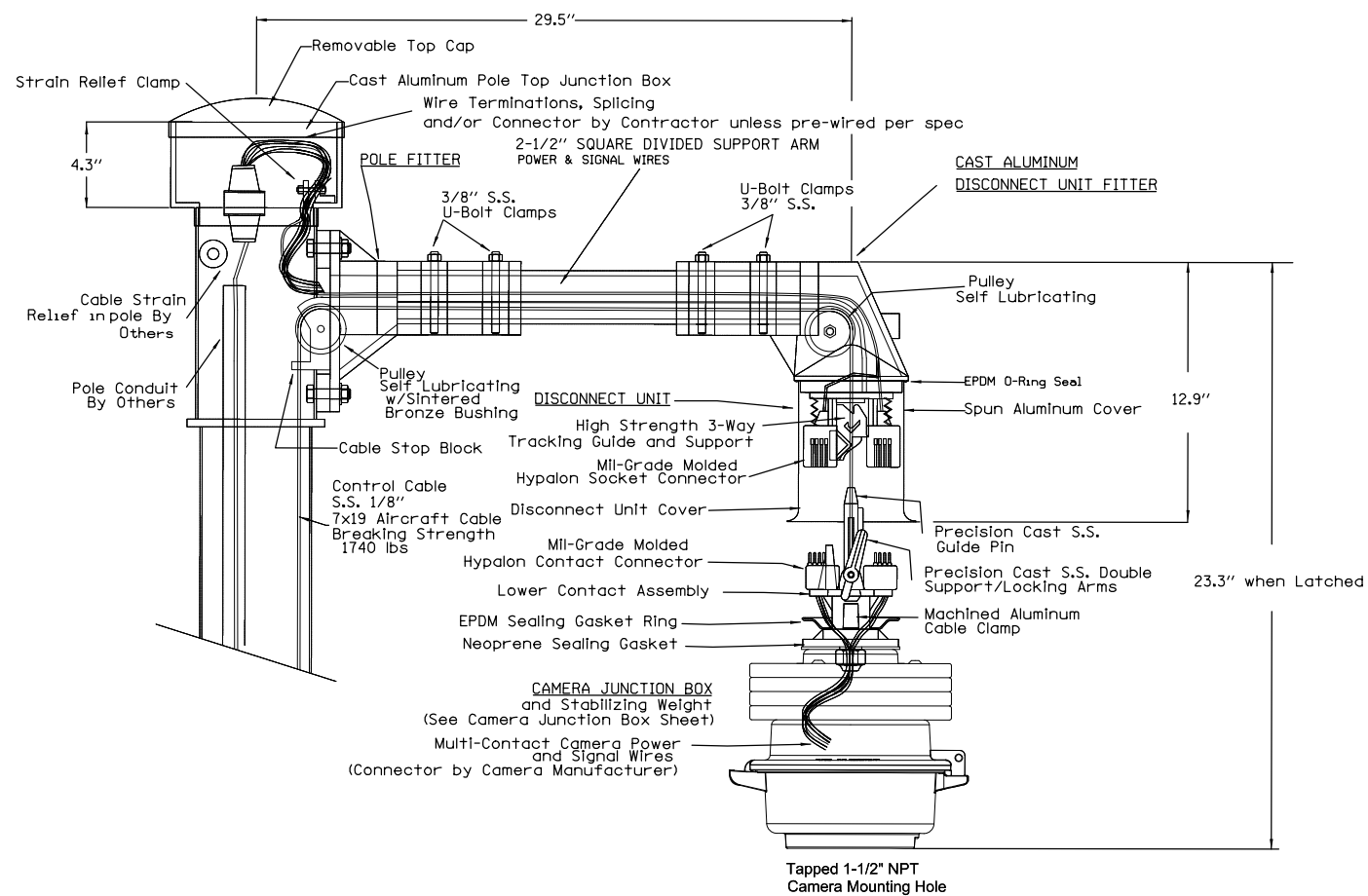
LOCATIONS:

- 025519.0A.42R
025519.0A73C
STA. 920+65, 80.34', RT
80' TOWER
W/3 LANES PER DIRECTION

FILE NAME = c:\pw\work\pwwork\prestonme\0389142\0389142-its\plan.dgn	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CCTV AND RADAR VEHICLE DETECTION MOUNTING DETAIL				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	76H30-sht-itsplan.dgn	DRAWN -	REVISED -						255	DIST 8 ITS 2015-2	ST. CLAIR	50	8
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	PLOT DATE = 1/26/2015	DATE -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

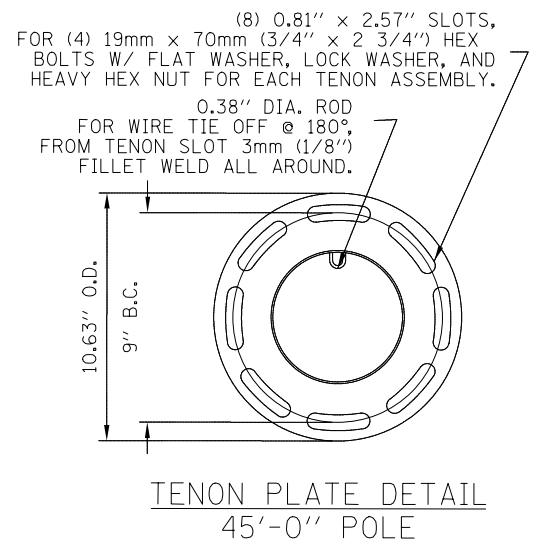
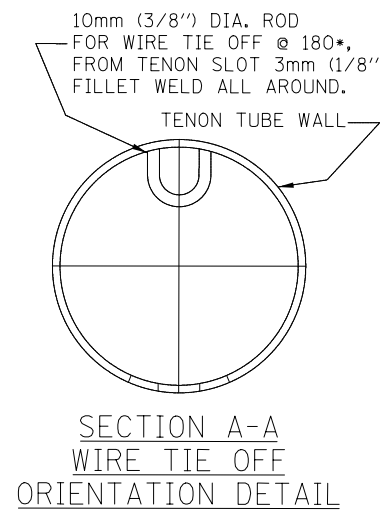
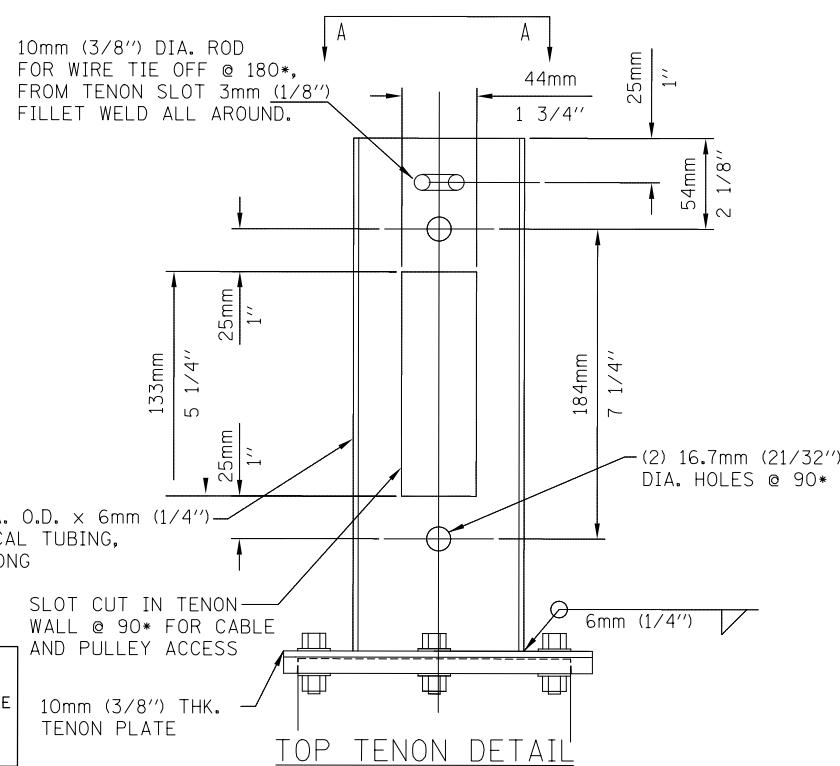
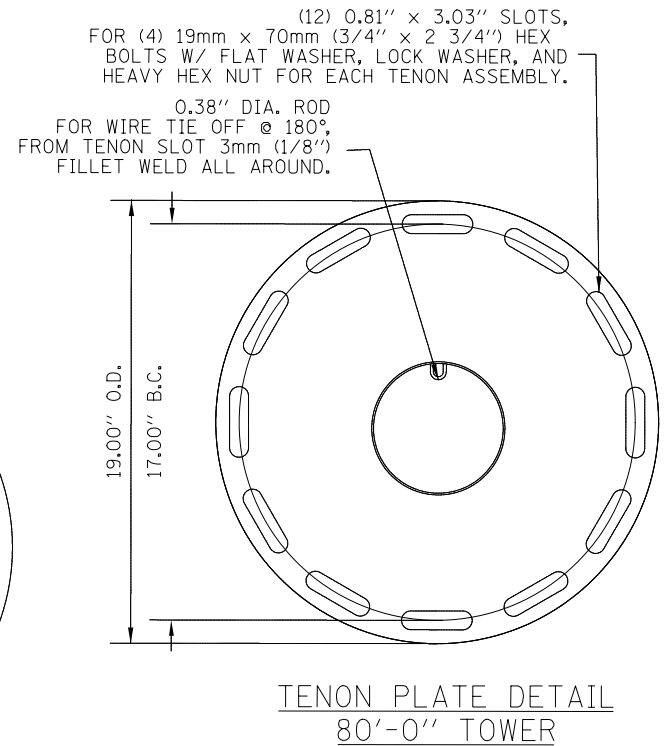
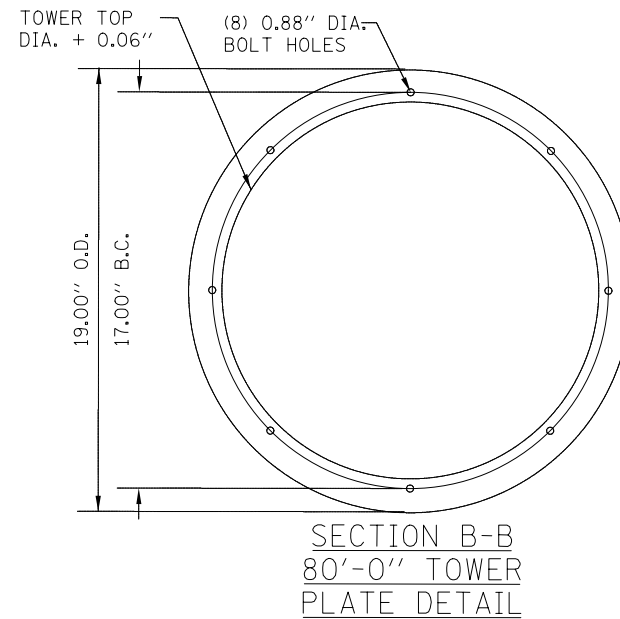
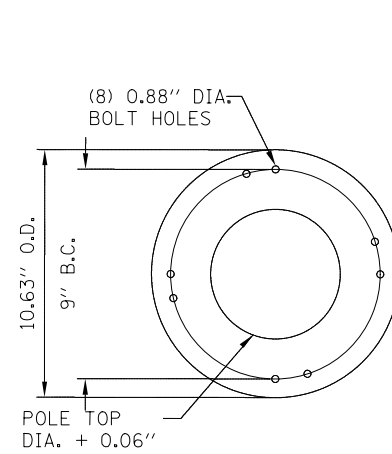
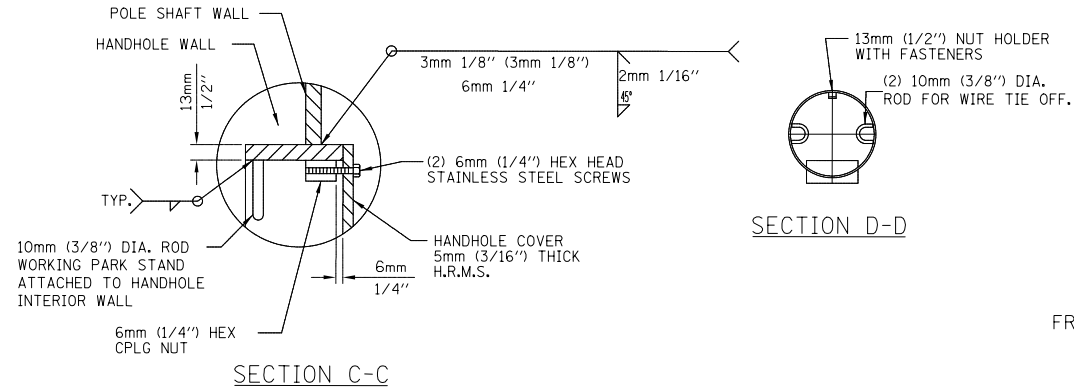
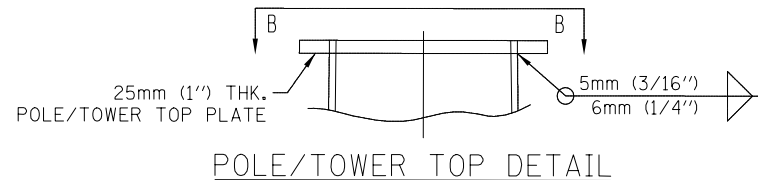
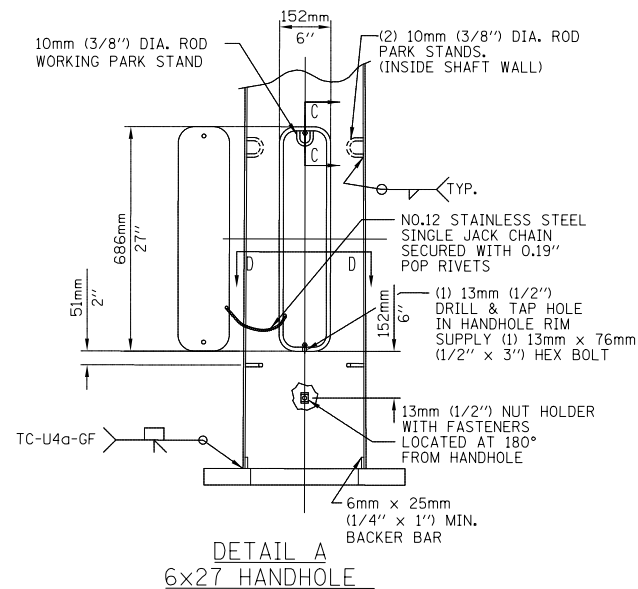
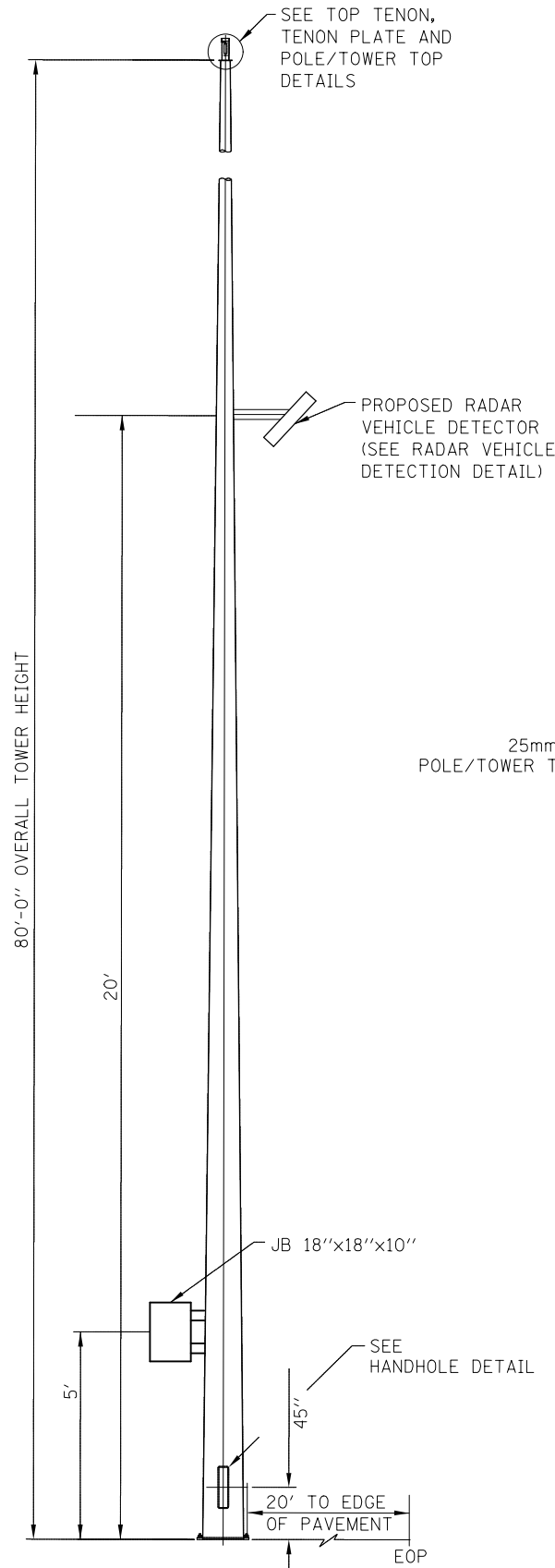


SERVICE INSTALLATION, TYPE A
NOT TO SCALE



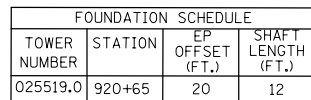
Camera Lowering Device for Pole
Mounting Multi-Function Surveillance Cameras

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SERVICE INSTALLATION AND TOWER MOUNTED CCTV DETAIL WITH CAMERA LOWERING DEVICE DETAILS 1 OF 2	SCALE:	SHEET NO. OF SHEETS STA. TO STA.	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw\work\pwidot\prestonme\d0389142\d0389142.dgn	6h30-shit-itsplendgn	DRAWN -	REVISED -					255	DIST 8 ITS 2015-2	ST. CLAIR	50	9
PLOT SCALE = 100.2538' / 1 in.		CHECKED -	REVISED -					CONTRACT NO. 76H30				
PLOT DATE = 1/26/2015		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				



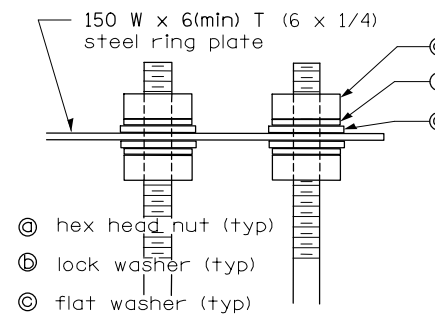
NOTE:
80' TOWER MATERIALS SHALL BE ACCORDING TO THE APPLICABLE PORTIONS OF SECTION 835 OF THE STANDARD SPECIFICATIONS

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				TOWER MOUNTED CCTV DETAIL WITH CAMERA LOWERING DEVICE DETAILS 2 OF 2				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 100.2538' / 1"		CHECKED -	REVISED -									CONTRACT NO. 76H30				
PLOT DATE = 1/26/2015		DATE -	REVISED -									ILLINOIS FED. AID PROJECT				
				SCALE:				SHEET NO. OF SHEETS STA. TO STA.								



#11 V bars evenly spaced
 125(5) conc. cover
 (See Note)
 See design table
 #4 Spiral
 Anchor rods evenly spaced

ANCHOR ROD & SHAFT REINFORCEMENT DESIGN TABLE (ENGLISH)					
TOWER HEIGHT	ANCHOR ROD DIAM. (MIN)	ROD CIRCLE DIAM. (MIN)	TOWER BASE DIAM. (MIN)	DRILLED SHAFT DIAM. (IN)	V B # 11 NUMBER (each)
80	1.5	30	21	48	14
90	1.5	30	21	48	14
100	1.5	30	21	48	14
110	1.5	30	21	48	14
120	1.75	36	26	54	18
130	1.75	36	28	54	18
140	1.75	36	28	54	18
150	2.25	38	30	60	21
160	2.25	38	32	60	21

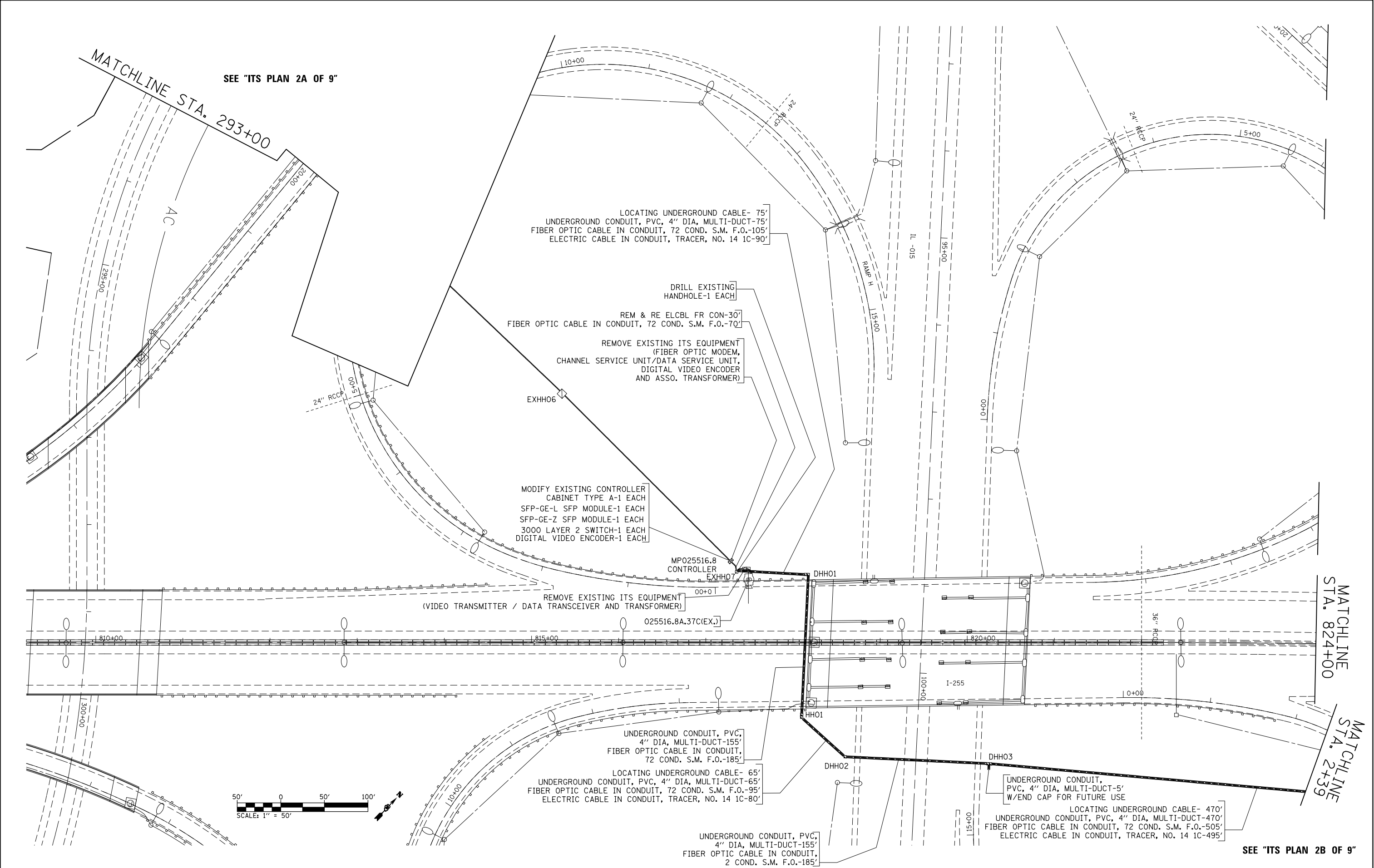


50 x 13
(2 x 1/2)
steel bar

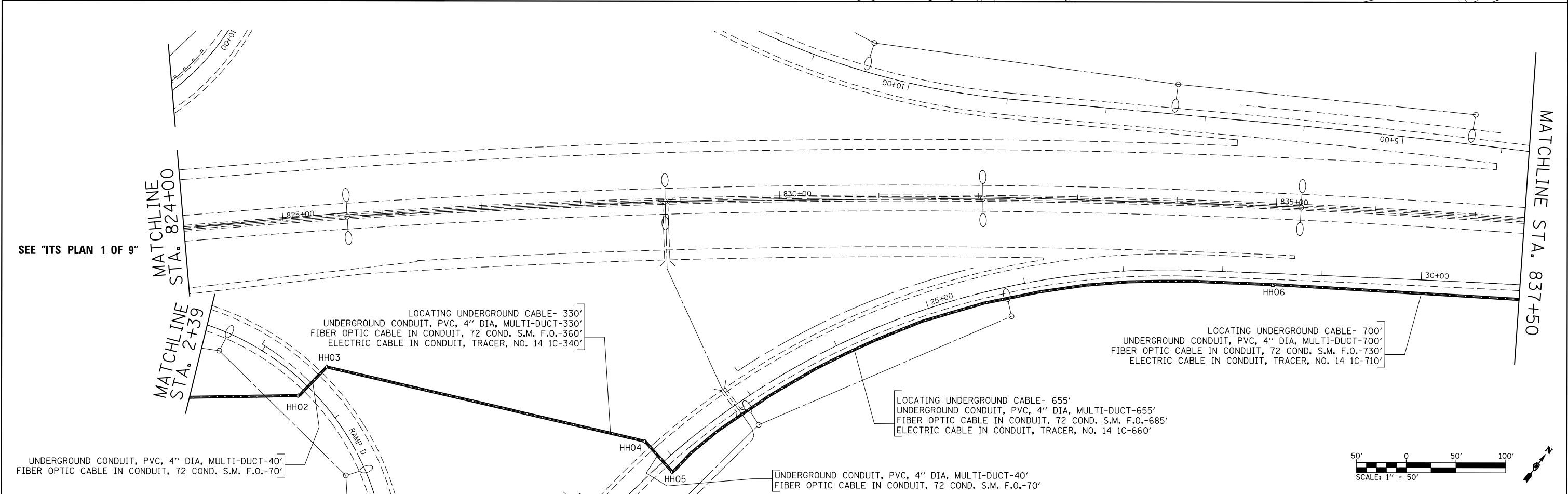
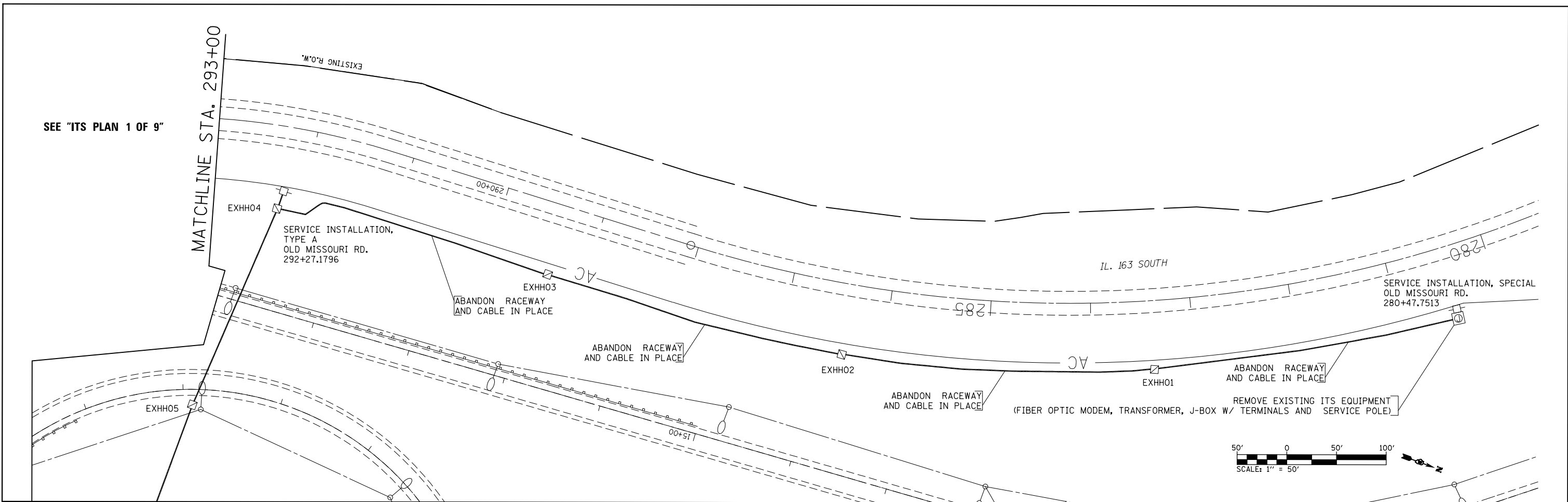
SHAFT LENGTH DESIGN TABLE (ENGLISH) (LENGTH IN FEET)											
	SOIL CONSISTENCY	AVERAGE STRENGTH (Qu In tsf)	LIGHT TOWER HEIGHT (feet)								
			80	90	100	110	120	130	140	150	160
Cohesive	SOFT	< 5	20.4	21.5	22.5	23.6	25.0	26.1	27.2	28.5	29.8
	MEDIUM	0.5 to 1	16.8	17.5	18.3	19.0	20.3	21.1	21.8	23.1	24.0
	STIFF	1 to 2	14.3	14.8	15.4	15.9	17.1	17.6	18.1	19.3	19.9
	VERY STIFF	2 to 4	12.6	13.0	13.3	13.7	14.8	15.2	15.6	16.7	17.1
	HARD	> 4	11.4	11.6	11.9	12.2	13.2	13.5	13.8	14.9	15.2
Granular		(N In BLOWS/FT.)									
	VERY LOOSE	< 5	16.4	17.1	17.8	18.5	18.9	19.6	20.2	20.7	21.4
	LOOSE	5 to 10	15.0	15.6	16.2	16.8	17.3	17.9	18.4	18.9	19.5
	MEDIUM	10 to 25	14.3	14.9	15.5	16.0	16.4	17.0	17.5	17.9	18.5
	DENSE	25 to 50	13.6	14.1	14.6	15.1	15.5	16.1	16.5	16.9	17.5
	VERY DENSE	> 50	12.9	13.4	13.9	14.4	14.8	15.3	15.7	16.1	16.6

- 1) The shaft length(s) provided in the foundation schedule are based on the soil borings included in the plans. If different soils are encountered, the engineer shall be notified to provide a revised length.
- 2) Use 8 rods min., see design table for minimum anchor rod diameter. Anchor rod quantity, diameter, and length shall be determined by the approved drawings furnished by pole manufacturer.
- 3) All foundation reinforcement steel to be epoxy coated. Use #11 vertical bars and #4 spiral reinforcement - see design table.
- 4) The cost of reinforcing is incidental to the foundation.
- 5) Steel anchor bolt forms shall not be removed for a minimum of 3 days after concrete is poured and the tower shall not be set for a minimum of 7 days or as approved by the Engineer.
- 6) Coordinate bolt circle diameter of the tower with the bolt circle diameter of the anchor bolt cage.
- 7) Foundation shall be in accordance with applicable portions of Section 516 and 837 of the Standard Specifications.
- 8) Foundation shall be poured monolithically with no construction joints allowed.
- 9) Place grounding electrodes in an access well, if there is a conflict in using the wireway window.
- 10) Diameters listed in the tables are based upon a 125 (5") concrete cover. The minimum cover is 75 (3") in a dry shaft excavation or 100 (4") in a wet hole. When rock is encountered, a 125 (5") cover is required against soil to allow a 50 (2") cover against rock.

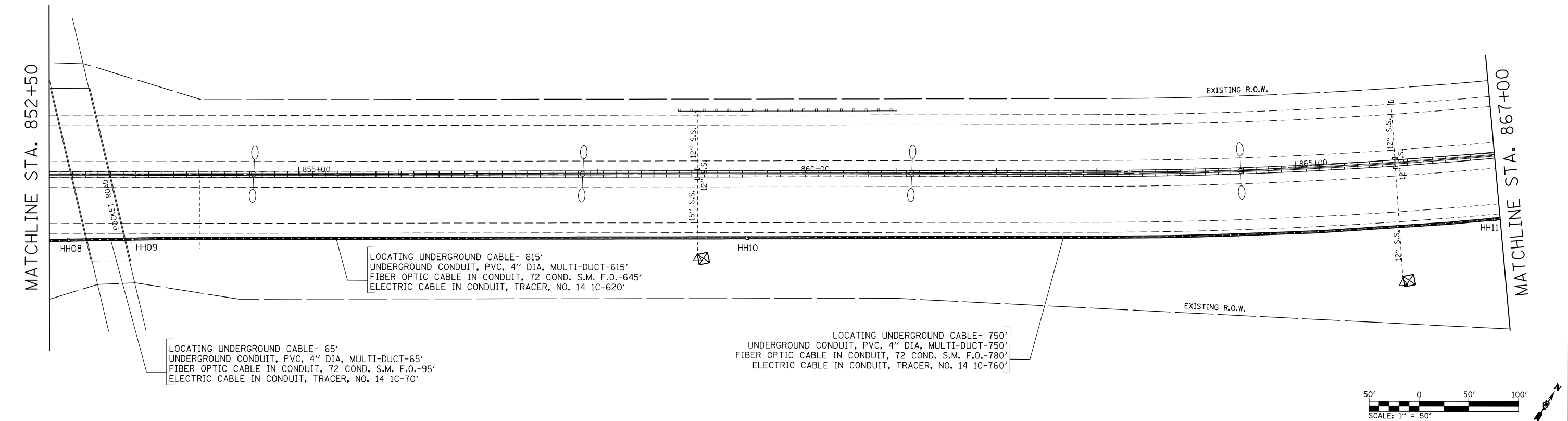
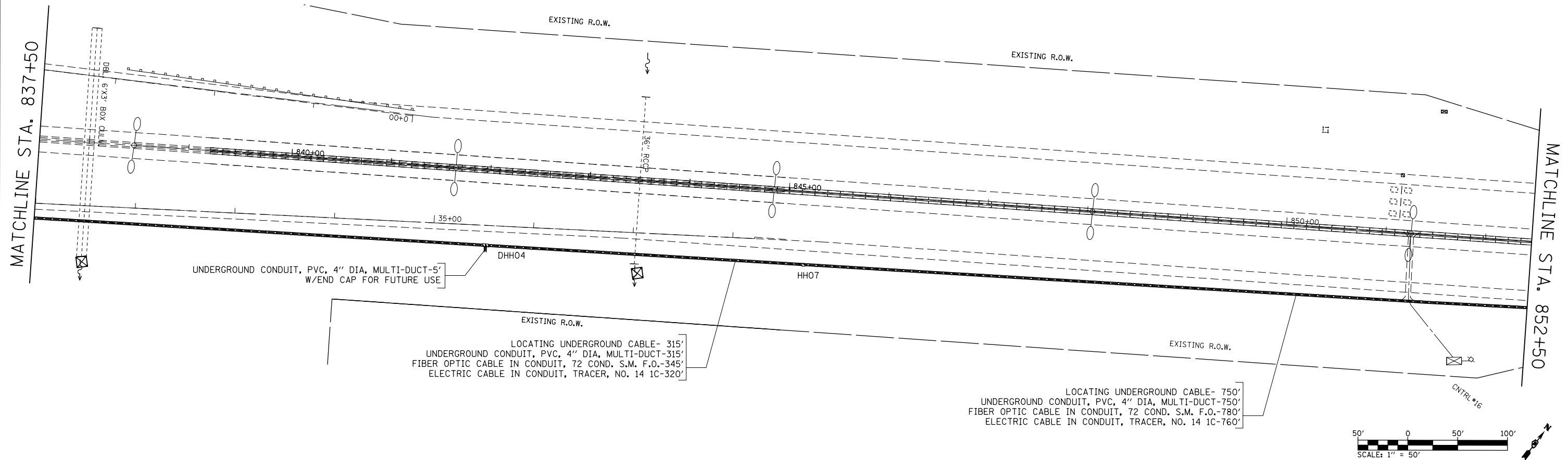
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c:\pw\work\p\pidot\prestonme\d0389142\d876h30-shr-itsplan.dgn	DRAWN -	REVISED -	255			DIST 8 ITS 2015-2	ST. CLAIR	50	11	
PLOT SCALE = 100.2538 ' / in.	CHECKED -	REVISED -	CONTRACT NO. 76H30							
PLOT DATE = 1/26/2015	DATE -	REVISED -	SCALE:			SHEET NO.	OF	SHEETS	STA.	TO STA.



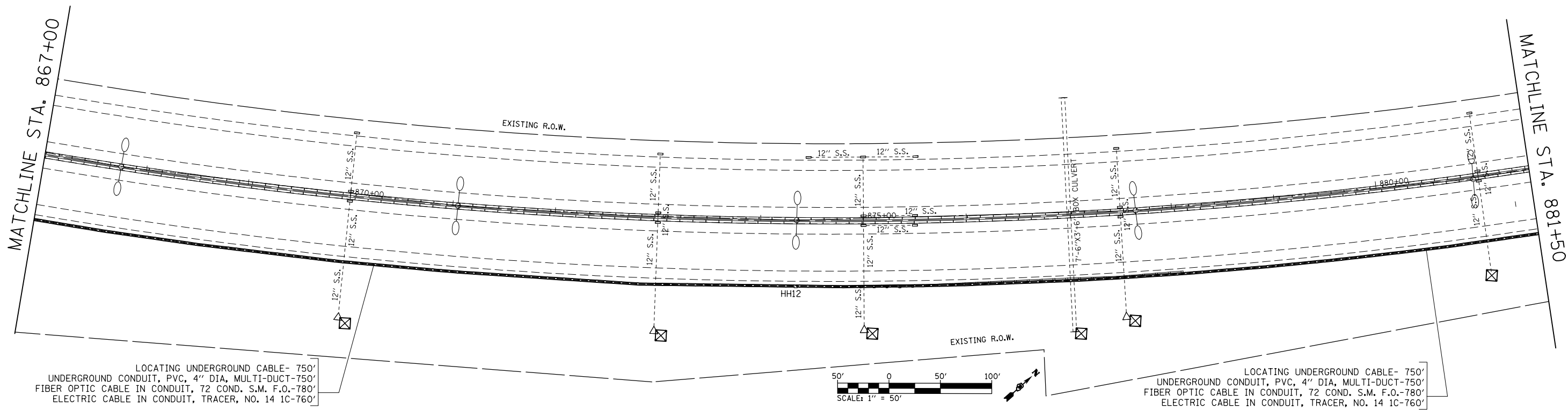
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	DRAWN -	DRAWN -	REVISED -							255	DIST 8 ITS 2015-2	ST. CLAIR	50	12
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -							CONTRACT NO. 76H30				
	PLOT DATE = 3/26/2015	DATE -	REVISED -							ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.					



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ITS PLAN 2A & 2B OF 9	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ci:\pw\work\pwwork\prestonme\d0389142\d0389142-itsplan.dgn		DRAWN -	REVISED -			255	DIST 8 ITS 2015-2	ST. CLAIR	50	13
PLOT SCALE = 1/2538' / 1 in.		CHECKED -	REVISED -			CONTRACT NO. 76H30				
PLOT DATE = 1/26/2015		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	

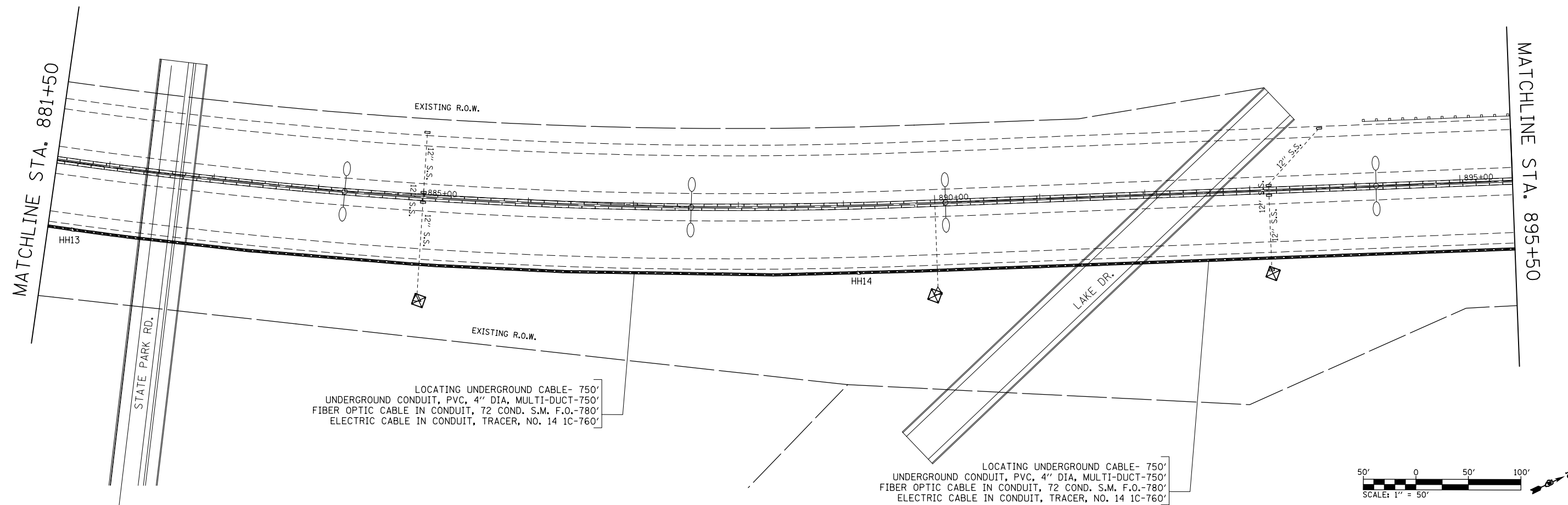


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	DATE = 1/26/2015	CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 76H30				
		DATE -	REVISED -						ILLINOIS FED. AID PROJECT				



LOCATING UNDERGROUND CABLE- 750'
UNDERGROUND CONDUIT, PVC, 4" DIA, MULTI-DUCT-750'
FIBER OPTIC CABLE IN CONDUIT, 72 COND. S.M. F.O.-780'
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C-760'

LOCATING UNDERGROUND CABLE- 750'
UNDERGROUND CONDUIT, PVC, 4" DIA, MULTI-DUCT-750'
FIBER OPTIC CABLE IN CONDUIT, 72 COND. S.M. F.O.-780'
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C-760'

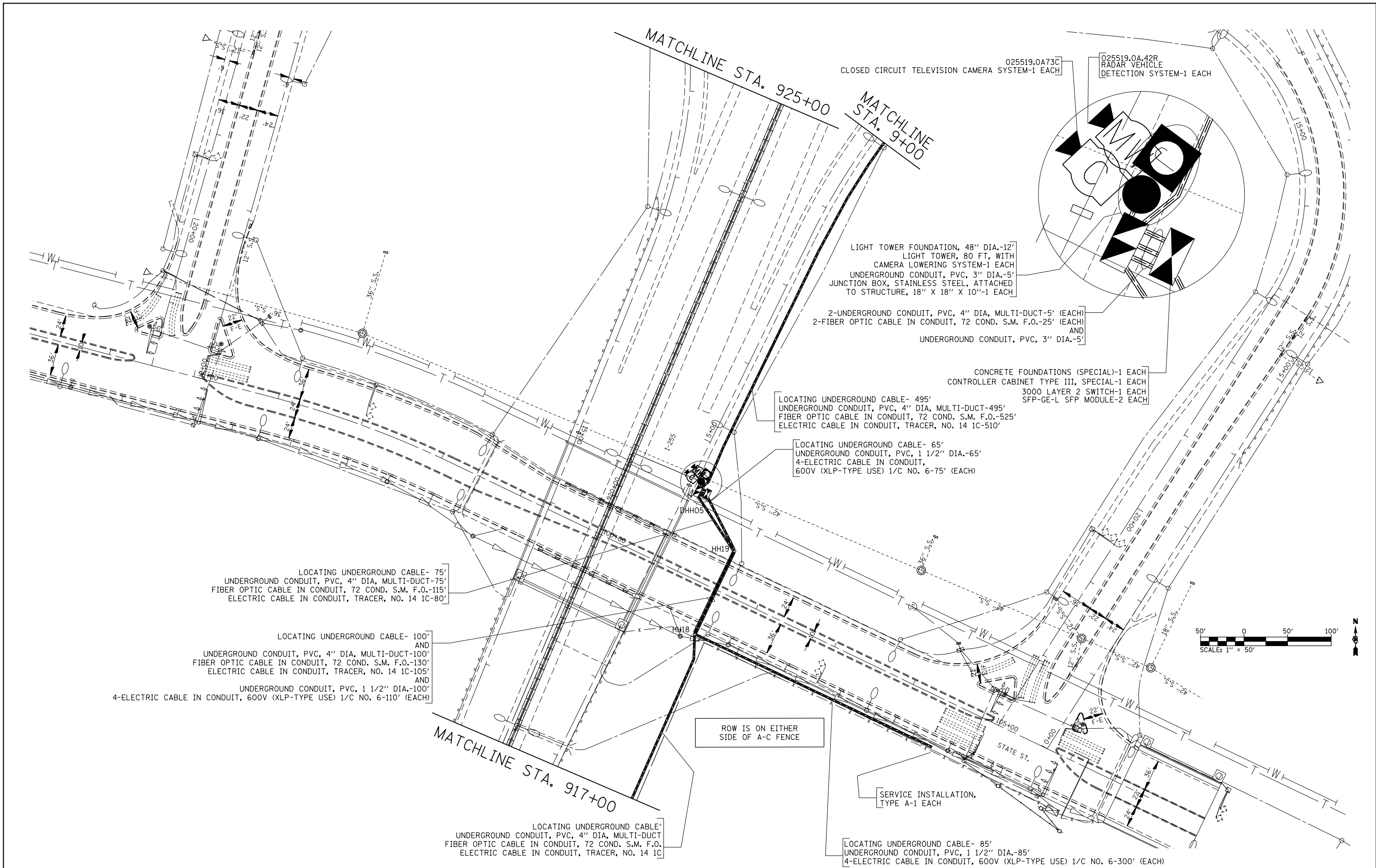


LOCATING UNDERGROUND CABLE- 750'
UNDERGROUND CONDUIT, PVC, 4" DIA, MULTI-DUCT-750'
FIBER OPTIC CABLE IN CONDUIT, 72 COND. S.M. F.O.-780'
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C-760'

LOCATING UNDERGROUND CABLE- 750'
UNDERGROUND CONDUIT, PVC, 4" DIA, MULTI-DUCT-750'
FIBER OPTIC CABLE IN CONDUIT, 72 COND. S.M. F.O.-780'
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C-760'



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		DRAWN -	REVISED -						255	DIST 8 ITS 2015-2	ST. CLAIR	50	15
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		PLOT DATE = 1/26/2015	DATE -						ILLINOIS FED. AID PROJECT				



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	DRAWN -	DESIGNED -	REVISED -			255	DIST 8 ITS 2015-2	ST. CLAIR	50	17
	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -			CONTRACT NO. 76H30				
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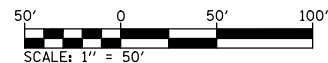
MATCHLINE STA. 1007+50

MATCHLINE STA. 1022+50

LOCATING UNDERGROUND CABLE- 680'
UNDERGROUND CONDUIT, PVC, 4" DIA, MULTI-DUCT-680'
FIBER OPTIC CABLE IN CONDUIT, 72 COND. S.M. F.O.-710'
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C-690'

LOCATING UNDERGROUND CABLE- 680'
UNDERGROUND CONDUIT, PVC, 4" DIA, MULTI-DUCT-680'
FIBER OPTIC CABLE IN CONDUIT, 72 COND. S.M. F.O.-710'
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C-690'

UNDERGROUND CONDUIT, PVC, 4" DIA, MULTI-DUCT-10'
CONDUIT ATTACHED TO STRUCTURE, 4" DIA.,
FIBERGLASS BULLET RESISTANT-70'
CONDUIT ATTACHED TO STRUCTURE, 4" DIA., PVC TYPE C-265'
CONDUIT ATTACHED TO STRUCTURE, 4" DIA.,
FIBERGLASS BULLET RESISTANT-70'
UNDERGROUND CONDUIT, PVC, 4" DIA, MULTI-DUCT-10'
FIBER OPTIC CABLE IN CONDUIT, 72 COND. S.M. F.O.-455'
SEE I-270 BRIDGE OVER HARDING DITCH CONDUIT DETAILS 1-4 OF 4"



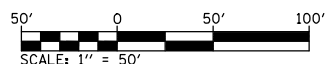
MATCHLINE STA. 1022+50

MATCHLINE STA. 1037+50

UNDERGROUND CONDUIT, PVC, 4" DIA, MULTI-DUCT
CONDUIT ATTACHED TO STRUCTURE, 4" DIA., FIBERGLASS BULLET RESISTANT
CONDUIT ATTACHED TO STRUCTURE, 4" DIA., PVC TYPE C
CONDUIT ATTACHED TO STRUCTURE, 4" DIA., FIBERGLASS BULLET RESISTANT
UNDERGROUND CONDUIT, PVC, 4" DIA, MULTI-DUCT
FIBER OPTIC CABLE IN CONDUIT, 72 COND. S.M. F.O.
SEE I-270 BRIDGE OVER HARDING DITCH CONDUIT DETAILS 1-4 OF 4"

LOCATING UNDERGROUND CABLE- 640'
UNDERGROUND CONDUIT, PVC, 4" DIA, MULTI-DUCT-650'
FIBER OPTIC CABLE IN CONDUIT, 72 COND. S.M. F.O.-670'
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C-650'

LOCATING UNDERGROUND CABLE- 645'
UNDERGROUND CONDUIT, PVC, 4" DIA, MULTI-DUCT-645'
FIBER OPTIC CABLE IN CONDUIT, 72 COND. S.M. F.O.-675'
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C-655'



SEE "ITS PLAN 9A OF 9"

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
et\pwork\pwork\prestonme\d0389142\d876h30-shr-itsplan.dgn		DRAWN -	REVISED -
PLOT SCALE = 100.0000' / 1in.		CHECKED -	REVISED -
PLOT DATE = 3/26/2015		DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ITS PLAN 8A & 8B OF 9

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	DIST 8 ITS 2015-2	ST. CLAIR	50	19
CONTRACT NO. 76H30				
ILLINOIS FED. AID PROJECT				

LOCATING UNDERGROUND CABLE- 520'
UNDERGROUND CONDUIT, PVC, 4" DIA, MULTI-DUCT-520'
FIBER OPTIC CABLE IN CONDUIT, 72 COND. S.M. F.O.-550'
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C-525'

DRILL EXISTING HANDHOLE-1 EACH
UNDERGROUND CONDUIT, PVC, 4" DIA, MULTI-DUCT-120'
FIBER OPTIC CABLE IN CONDUIT, 72 COND. S.M. F.O.-150'

UNDERGROUND CONDUIT, PVC,
4" DIA, MULTI-DUCT-135'
FIBER OPTIC CABLE IN CONDUIT,
72 COND. S.M. F.O.-165'

SEE "ITS PLAN 8B OF 9"

UNDERGROUND CONDUIT, PVC, 4" DIA, MULTI-DUCT-45'
FIBER OPTIC CABLE IN CONDUIT, 72 COND. S.M. F.O.-75'

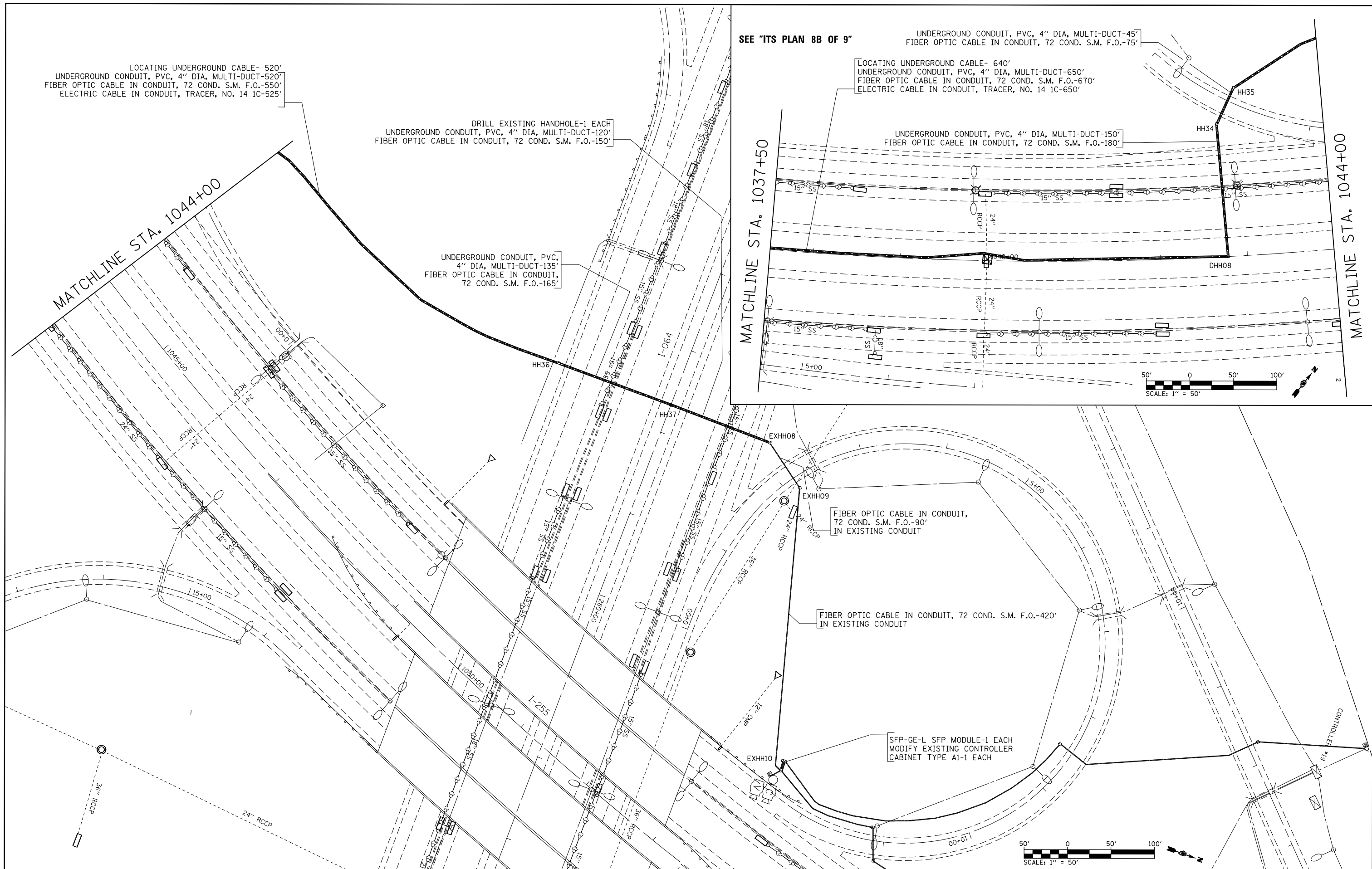
LOCATING UNDERGROUND CABLE- 640'
UNDERGROUND CONDUIT, PVC, 4" DIA, MULTI-DUCT-650'
FIBER OPTIC CABLE IN CONDUIT, 72 COND. S.M. F.O.-670'
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C-650'

UNDERGROUND CONDUIT, PVC, 4" DIA, MULTI-DUCT-150'
FIBER OPTIC CABLE IN CONDUIT, 72 COND. S.M. F.O.-180'

FIBER OPTIC CABLE IN CONDUIT,
72 COND. S.M. F.O.-90'
IN EXISTING CONDUIT

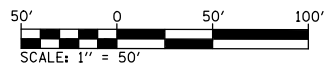
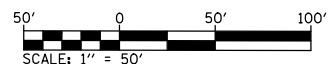
FIBER OPTIC CABLE IN CONDUIT, 72 COND. S.M. F.O.-420'
IN EXISTING CONDUIT

SFP-GE-L SFP MODULE-1 EACH
MODIFY EXISTING CONTROLLER
CABINET TYPE A1-1 EACH

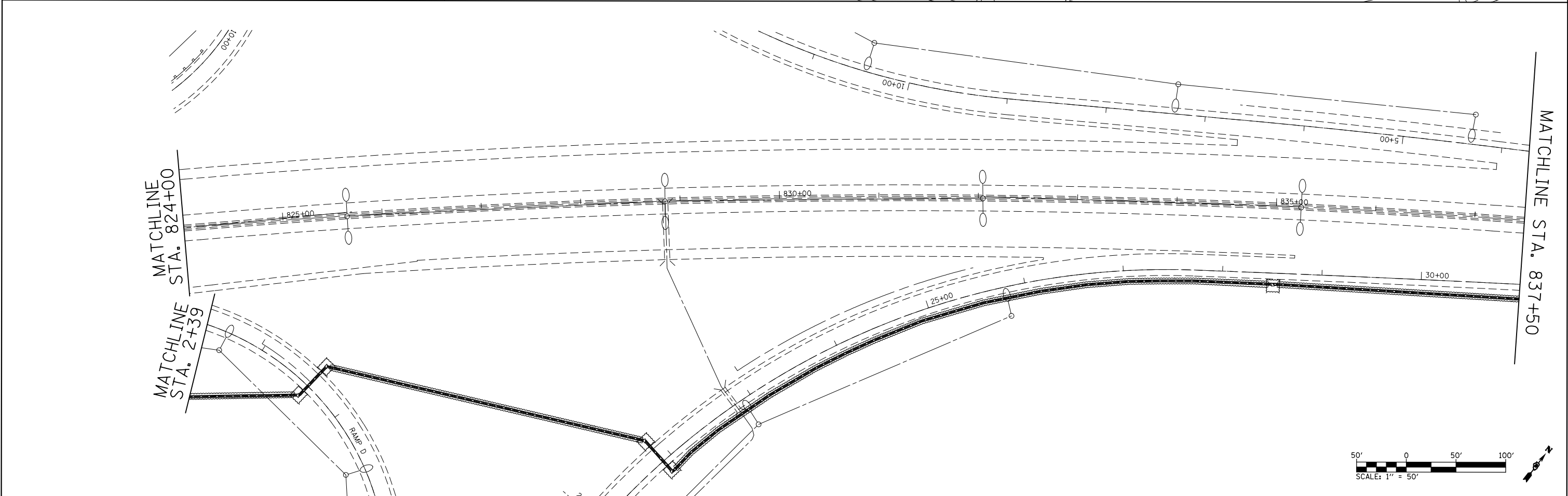
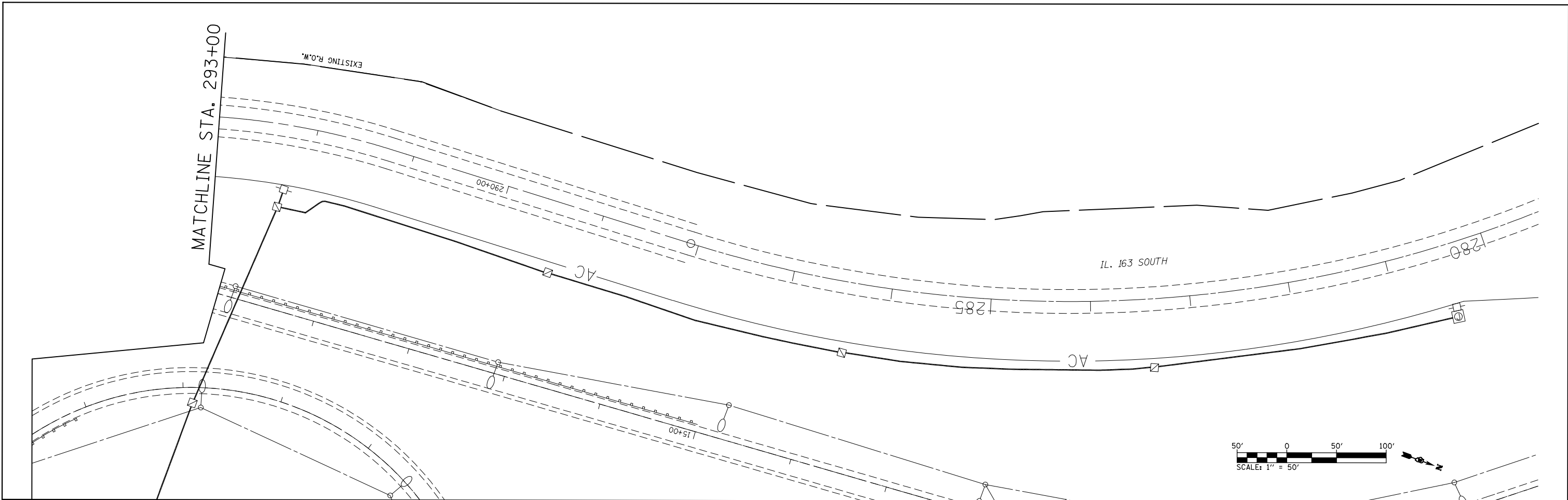


MATCHLINE STA. 1037+50

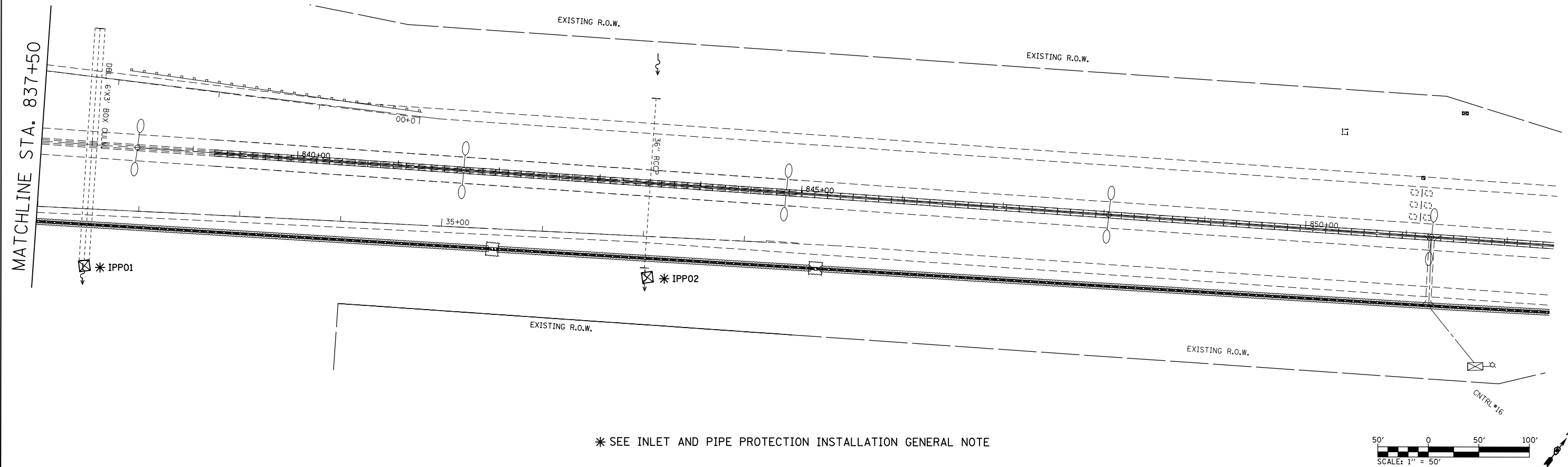
MATCHLINE STA. 1044+00



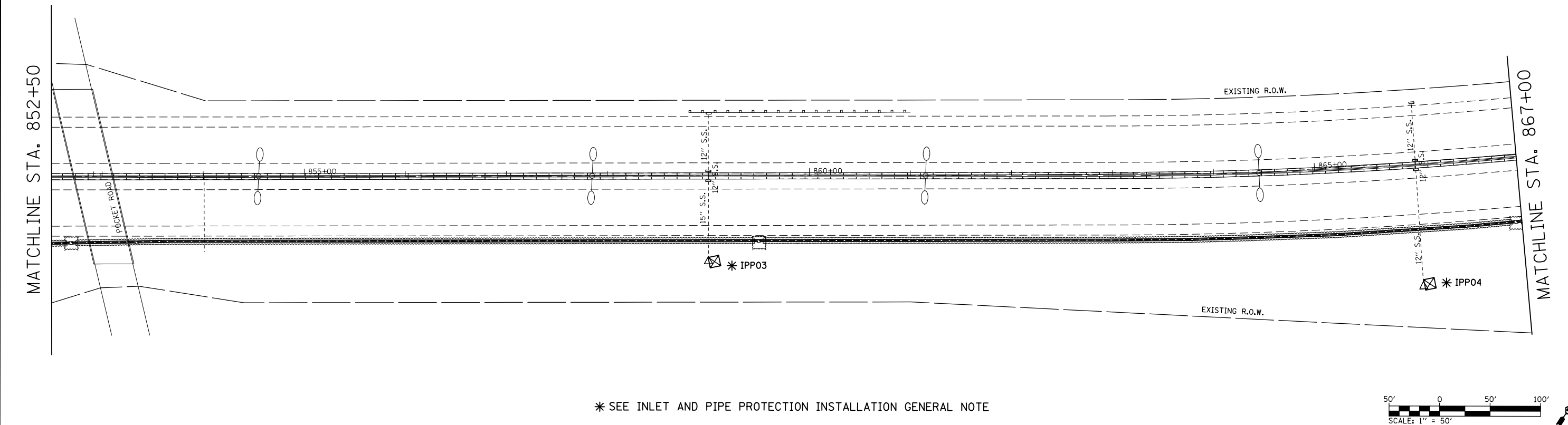
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		DRAWN -	REVISED -						255	DIST 8 ITS 2015-2	ST. CLAIR	50	20
	PLOT SCALE = 100.2538 ' / 1 in.	CHECKED -	REVISED -						CONTRACT NO. 76H30				
	PLOT DATE = 1/26/2015	DATE -	REVISED -						ILLINOIS FED. AID PROJECT				
					SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.			



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	DRAWN -		CHECKED -	REVISED -						255	DIST 8 ITS 2015-2	ST. CLAIR	50	22
	PLOT SCALE = 1/2538' / 1 in.		DATE -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 76H30				
	PLOT DATE = 1/26/2015									ILLINOIS FED. AID PROJECT				

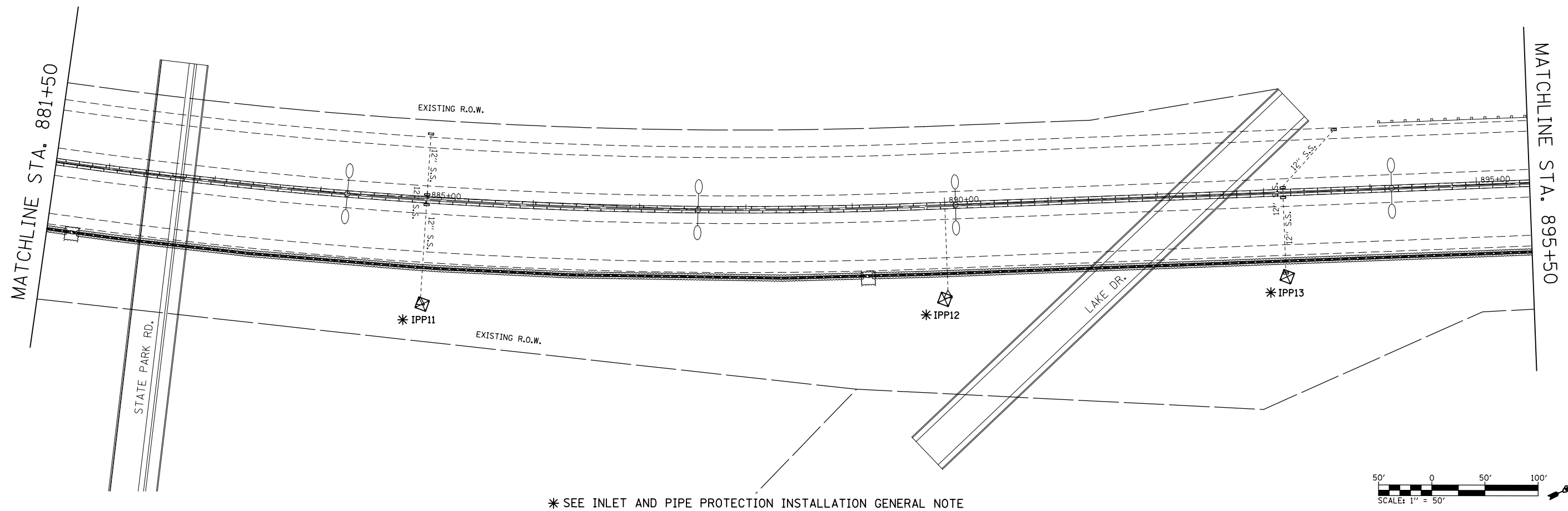
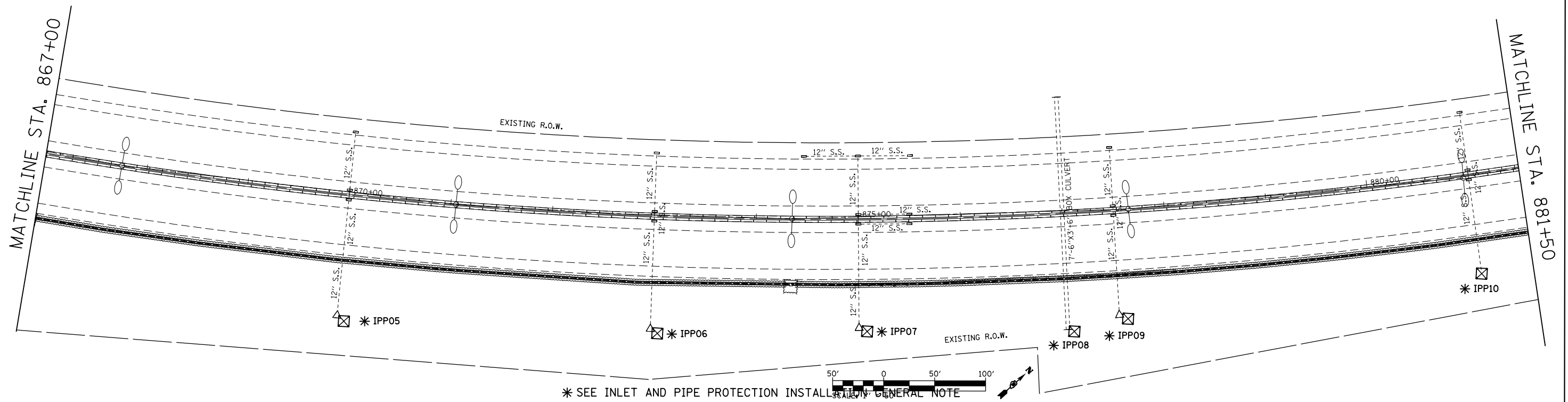


* SEE INLET AND PIPE PROTECTION INSTALLATION GENERAL NOTE

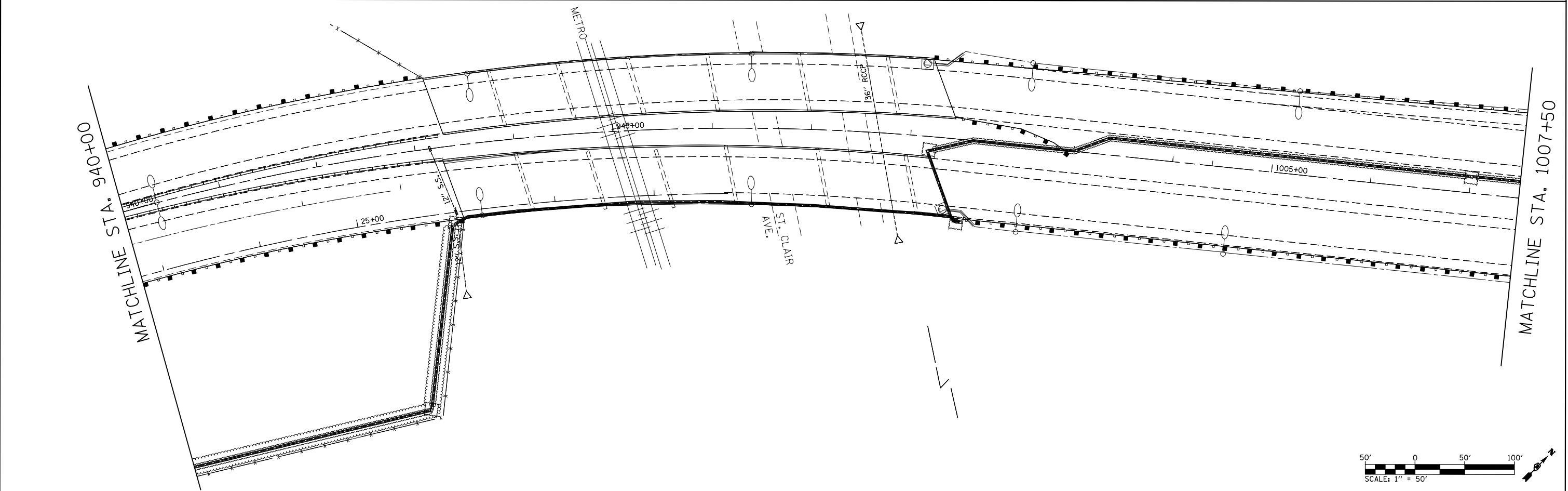
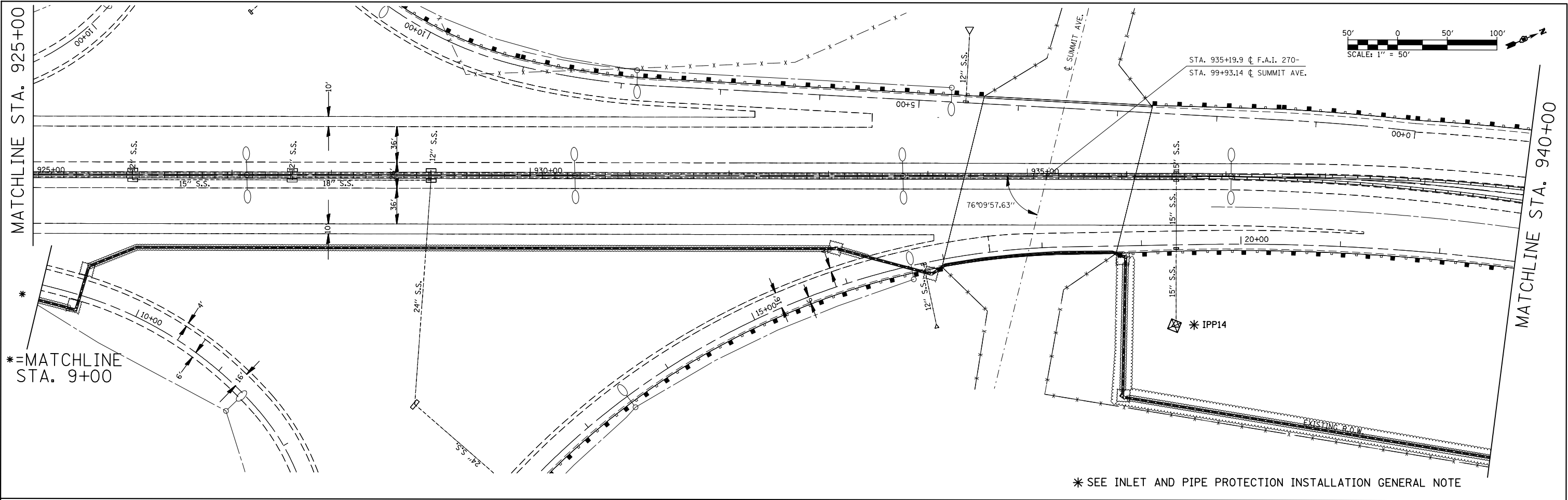


* SEE INLET AND PIPE PROTECTION INSTALLATION GENERAL NOTE

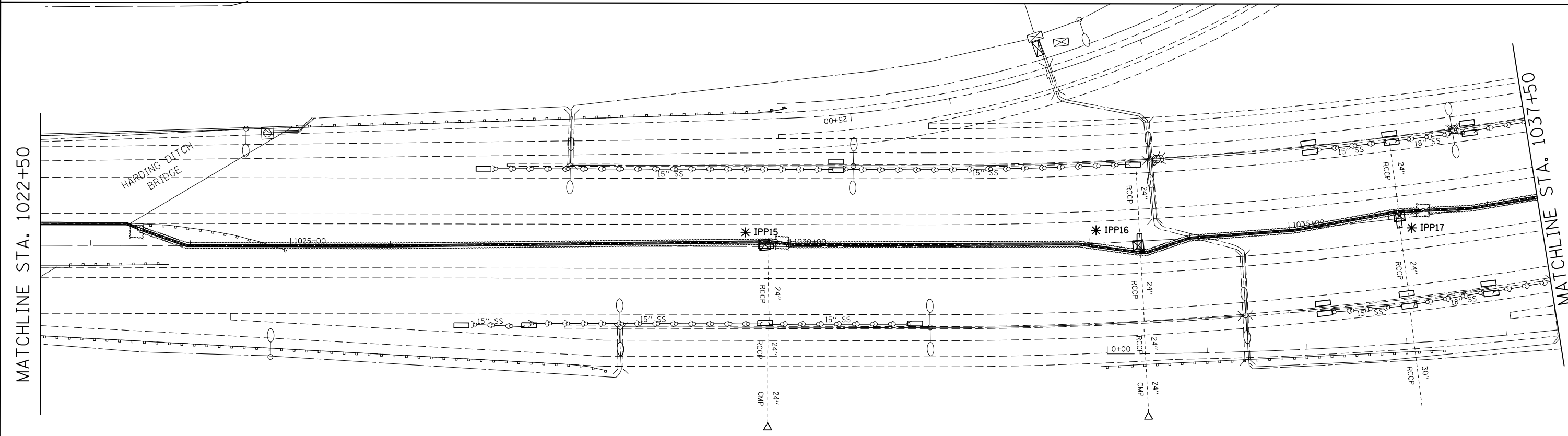
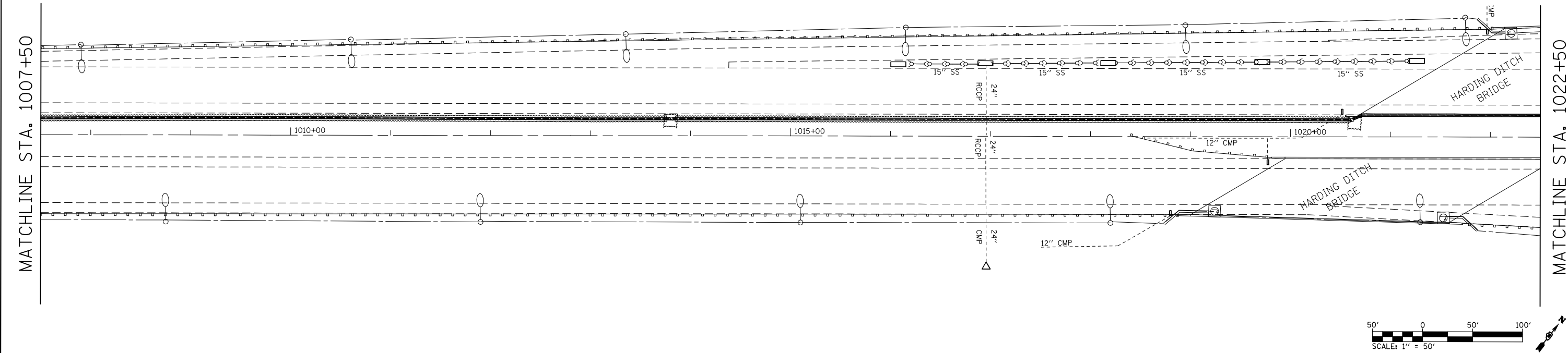
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		DRAWN -	REVISED -						255	DIST 8 ITS 2015-2	ST. CLAIR	50	23
	PLOT SCALE = 100.2538 ' / 1 in.	CHECKED -	REVISED -		CONTRACT NO. 76H30								
	PLOT DATE = 1/26/2015	DATE -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL PLAN 4A & 4B OF 9	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 100.2538 ' / in.		CHECKED -	REVISED -			CONTRACT NO. 76H30				
PLOT DATE = 1/26/2015		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
					SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.

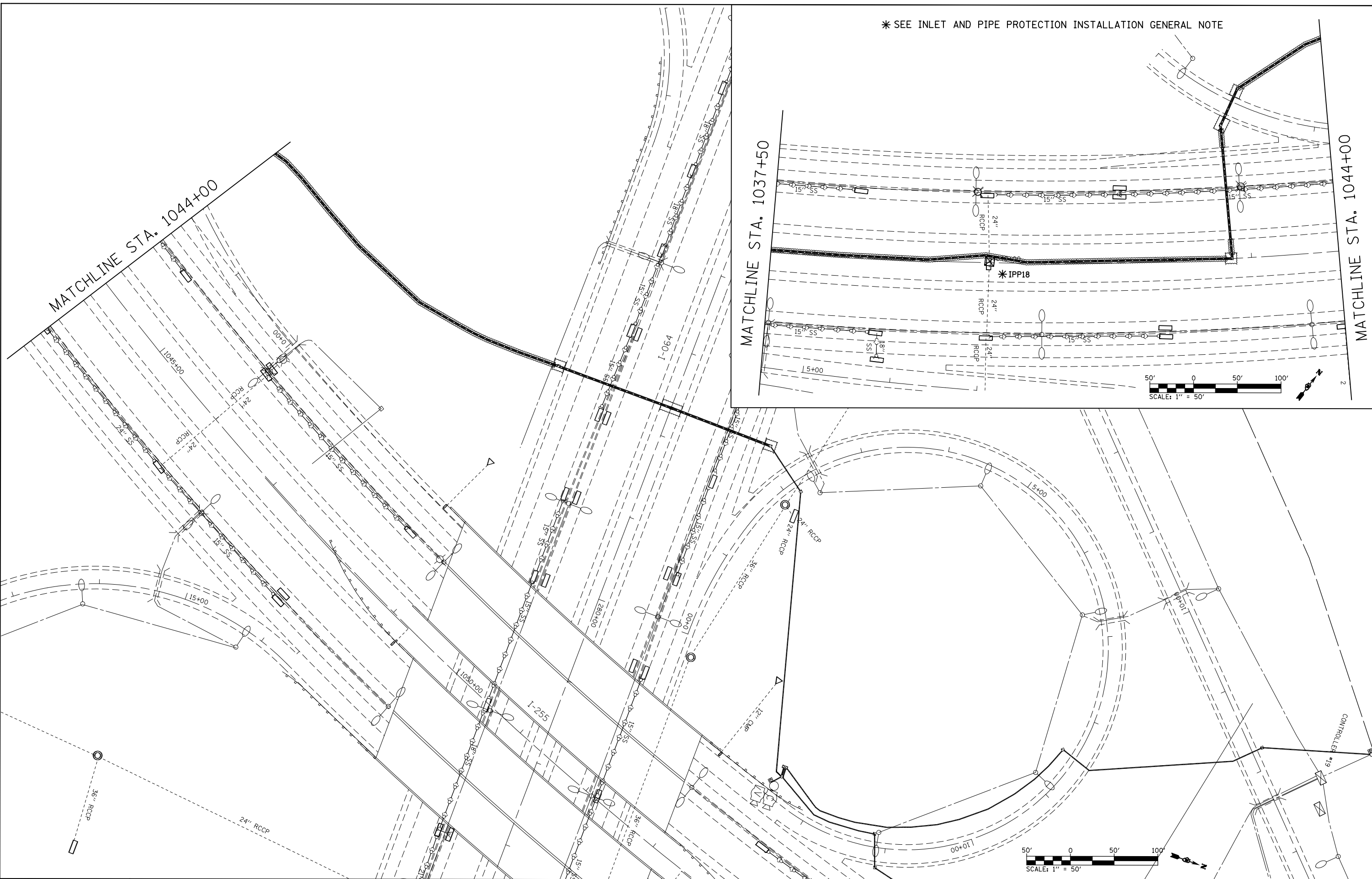


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	PLOT SCALE = 100.2538' / 1 in.	DRAWN -	REVISED -						255	DIST 8 ITS 2015-2	ST. CLAIR	50	27
	PLOT DATE = 1/26/2015	CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 76H30				
		DATE -	REVISED -						ILLINOIS FED. AID PROJECT				



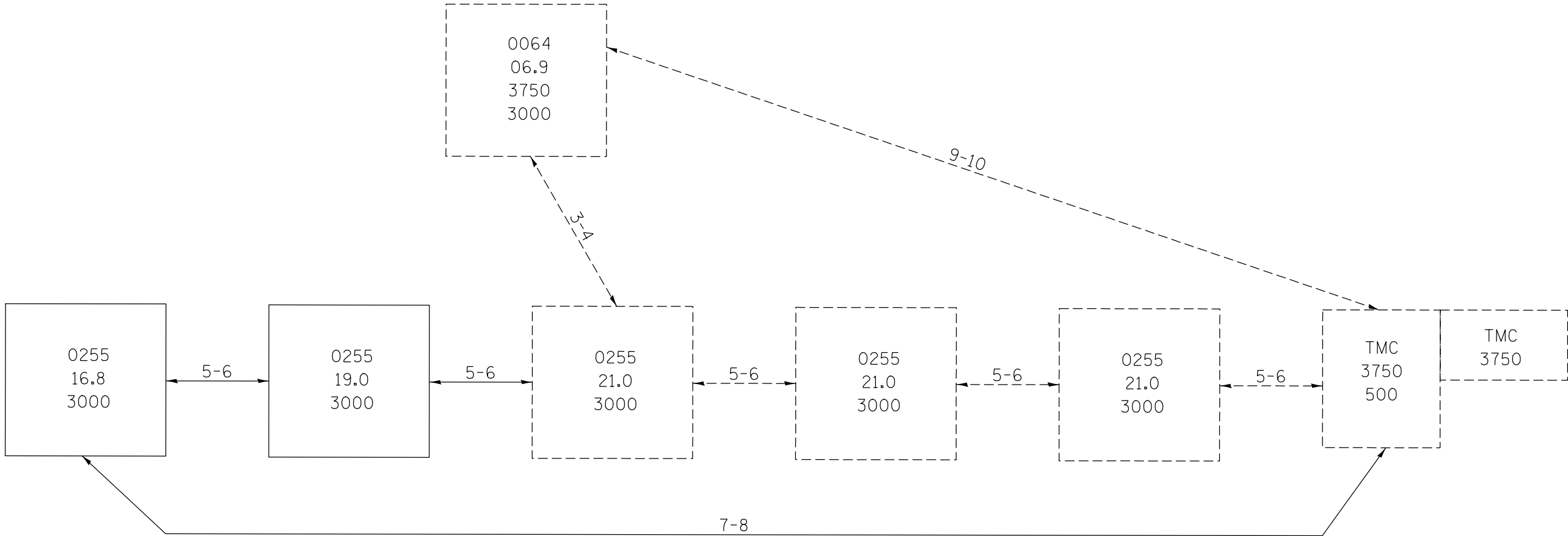
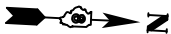
* SEE INLET AND PIPE PROTECTION INSTALLATION GENERAL NOTE

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	PLOT DATE = 1/26/2015	CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.				CONTRACT NO. 76H30				
		DATE -	REVISED -						ILLINOIS FED. AID PROJECT				



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	6h30-shr-1tsplan.dgn	DRAWN -	REVISED -										
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	PLOT DATE = 1/26/2015	DATE -	REVISED -										
					SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	CONTRACT NO. 76H30		
					ILLINOIS FED. AID PROJECT								

FIBER NETWORK DETAIL



- ODD TO THE NORTH
- ← EVEN TO THE SOUTH
- ODD TO THE EAST
- ← EVEN TO THE WEST

FILE NAME = c:\pw\work\pw\dot\prestonme\d0389142\d0389142-itspln.dgn	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIBER NETWORK DETAIL				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	76H30-sht-itspln.dgn	DRAWN -	REVISED -						255	DIST 8 ITS 2015-2	ST. CLAIR	50	30
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	PLOT DATE = 1/26/2015	DATE -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	ILLINOIS FED. AID PROJECT		

FIBER TERM-SPL SUMMARY

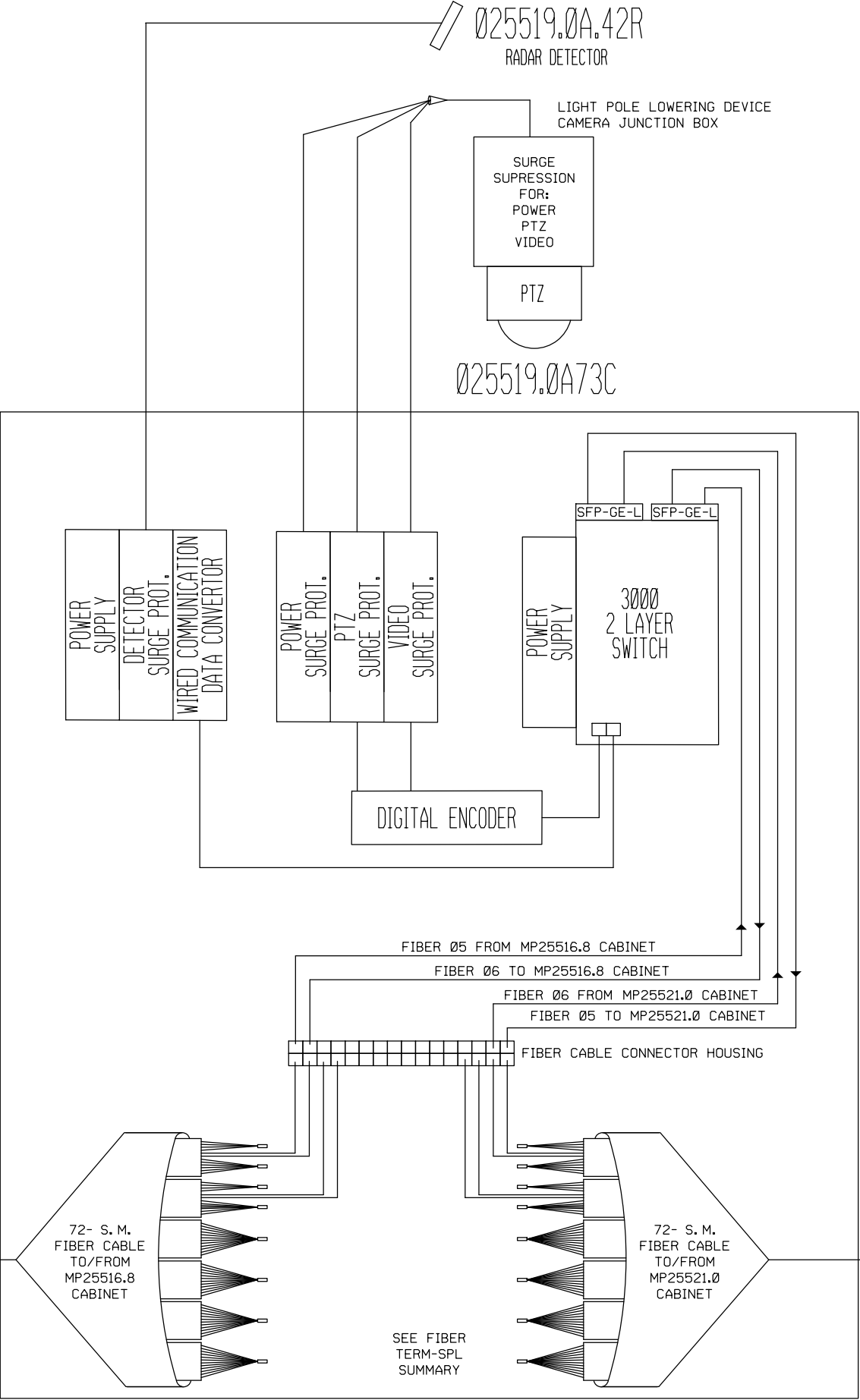
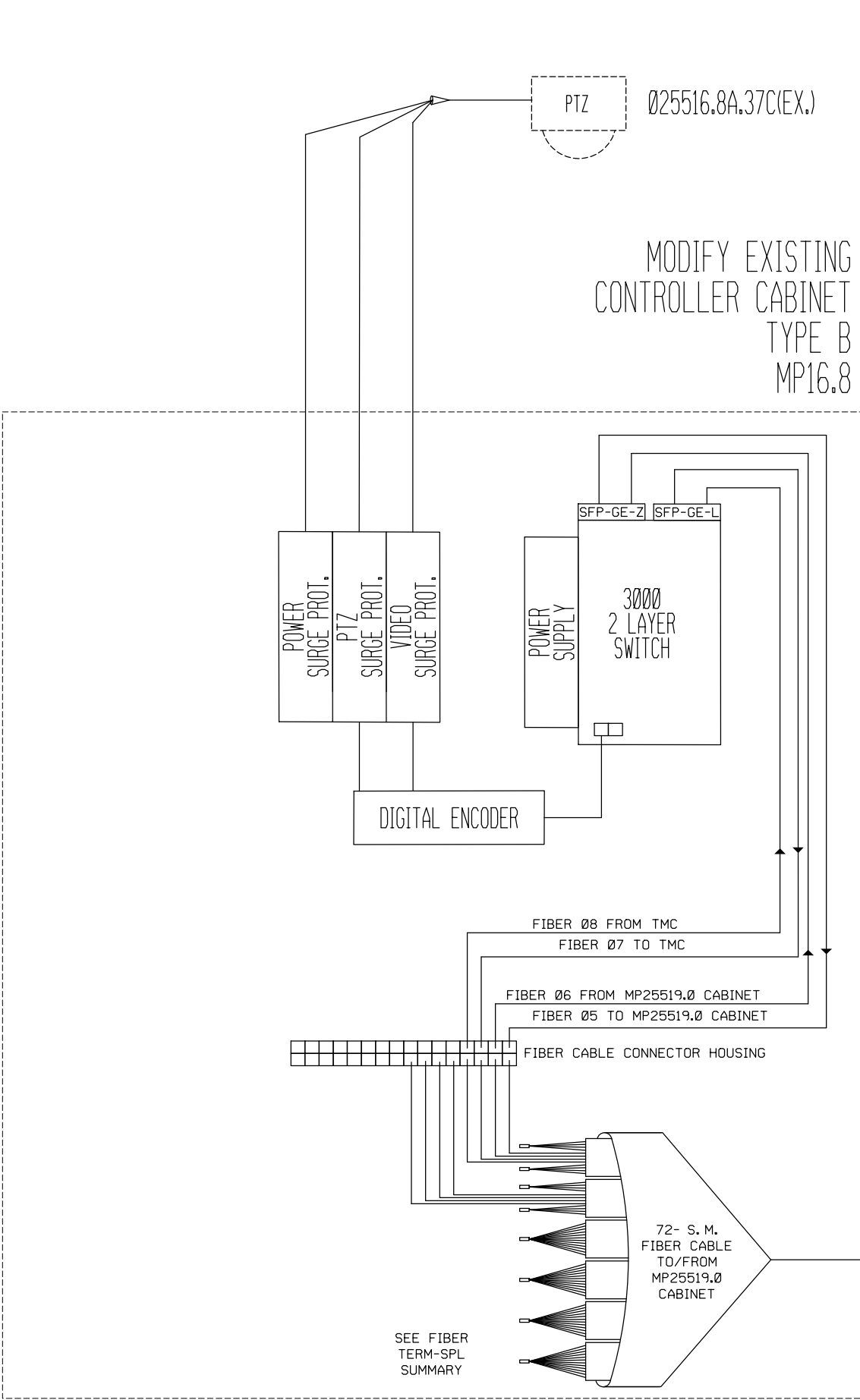
LOCATION (FIBERS ON NORTH SIDE)						
FIBER	25516.8		25519		25521	
1-2		B		S		ES
3-4		B		S	E	
5-6	T		T		T	
7-8	T			S		S
9-10		B		S		ES
11-12		B		S		S
13-14		B		S		ES
15-16		B		S	E	
17-18	T		T		T	
19-20	T			S		S
21-22		B		S		ES
23-24		B		S		S
25-26		UC		UC		UC
27-28		UC		UC		UC
29-30		UC		UC		UC
31-32		UC		UC		UC
33-34		UC		UC		UC
35-36		UC		UC		UC
37-38		UC		UC		UC
39-42		UC		UC		UC
43-50		UC		UC		UC
51-72		UC		UC		UC
TOTAL	8	0	4	20	4	8

LOCATION (FIBERS ON SOUTH SIDE)						
FIBER	25521		25519		25516.8	
1-2		B		S		T
3-4		B		S		E
5-6	T		T			R
7-8		S		S	N	M
9-10		B		S	O	I
11-12		S		S		N
13-14		B		S	F	A
15-16		B		S	I	T
17-18	T		T		B	E
19-20		S		S	E	D
21-22		B		S	R	
23-24		S		S		H
25-26		UC		UC		E
27-28		UC		UC		R
29-30		UC		UC		E
31-32		UC		UC		
33-34		UC		UC		
35-36		UC		UC		
37-38		UC		UC		
39-42		UC		UC		
43-50		UC		UC		
51-72		UC		UC		
TOTAL	4	8	4	20	0	0

NOTE;
T = TERMINATE FIBER
S = FUSION SPLICE FIBER
E = EXISTING TERMINATED FIBER
B = BARE (UNUSED)
XS = BREAK EXISTING SPLICE AND SPLICE TO NEW FIBER
ES = EXISTING SPLICED FIBER TO REMAIN
UC=UNCUT

OPTICAL EQUIPMENT SCHEDULE

LOCATION	CISCO SWITCHES	SFP Modules		ETHERNET MODEM IFS DE72000	DIGITAL ENCODER i5110-E	DIGITAL DECODER i5110-D
	IE-3000-8TC	SFP-GE-L	SFP-GE-Z			
MP25516.8(EX.)	1	1	1		1	
MP25519.0	1	2			1	
MP25521.0(EX.)		1				
TMC			1			
TOTALS:	2	4	2	0	2	0



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
et\pw_work\p\dot\prestonme\d0389142\d876h30-shr-itsplan.dgn		DRAWN -	REVISED -
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	PLOT DATE = 3/26/2015	DATE -	REVISED -

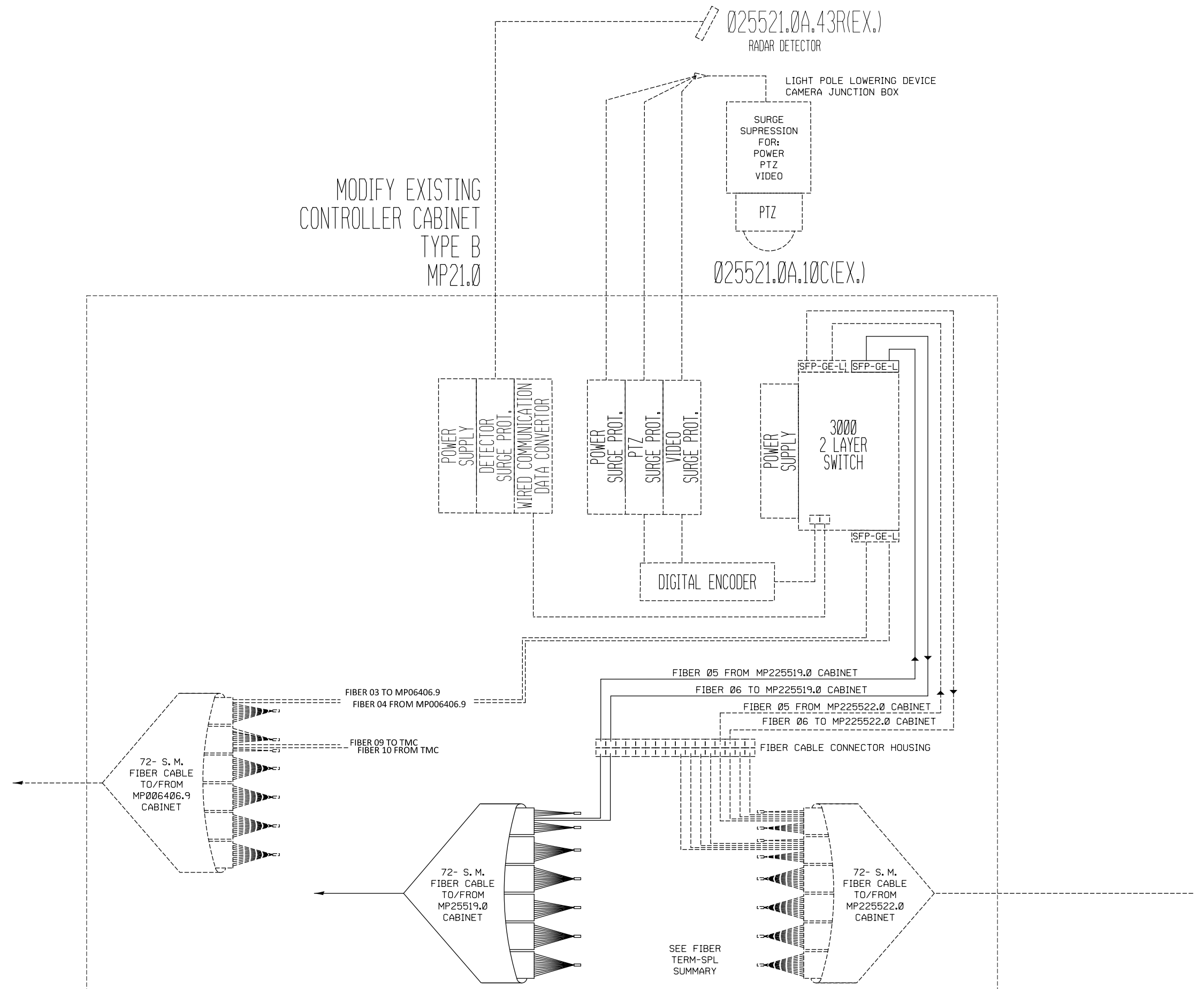
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

COMMUNICATION SHEET 1 OF 2
MP022516.8 CABINET TO MP022519.0 CABINET

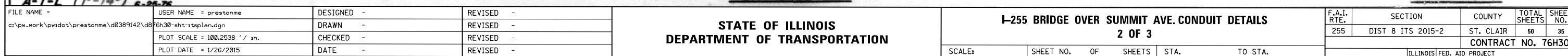
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	DIST 8 ITS 2015-2	ST. CLAIR	50	32
CONTRACT NO. 76H30				
ILLINOIS FED. AID PROJECT				

MODIFY EXISTING
CONTROLLER CABINET
TYPE B
MP21.0



FILE NAME = c:\pw\work\p\idot\prestonme\d0389142\d876h30-shr-itsplan.dgn	USER NAME = prestonme		DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COMMUNICATION SHEET 2 OF 2 MP022519.0 CABINET TO MP022521.0 CABINET				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -		REVIS	REVIS						255	DIST 8 ITS 2015-2	ST. CLAIR	50	33
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	PLOT DATE = 3/26/2015		DATE -	REVIS		SHEET NO. OF SHEETS STA. TO STA.				ILLINOIS FED. AID PROJECT				



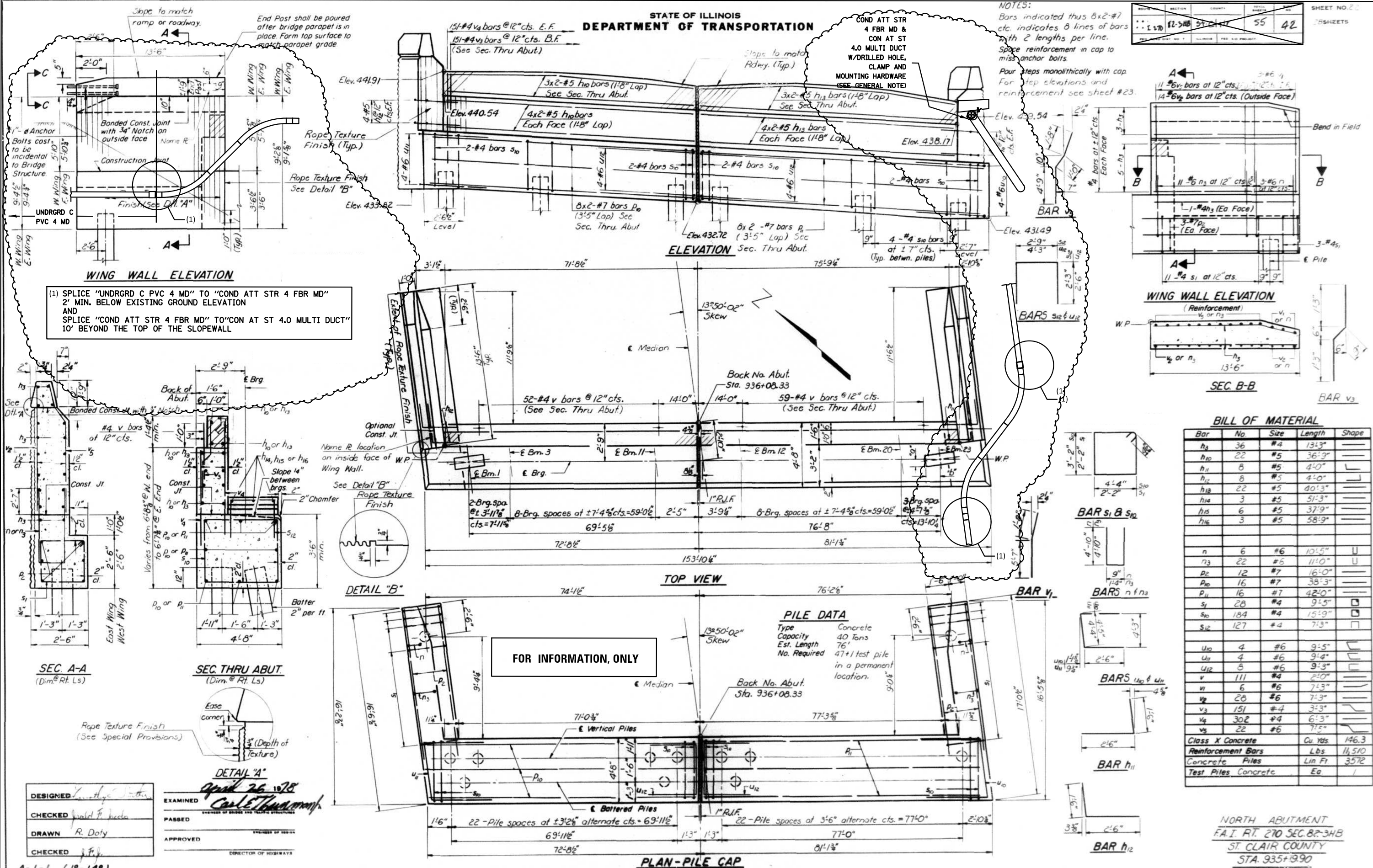
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEETS
170	12-548	ST. CLAIR	55	42	23 SHEETS

NOTES:

Bars indicated thus 8x2-#7 etc. indicates 8 lines of bars with 2 lengths per line. Space reinforcement in cap to miss anchor bolts. Pour steps monolithically with cap. For step elevations and reinforcement see sheet #23.

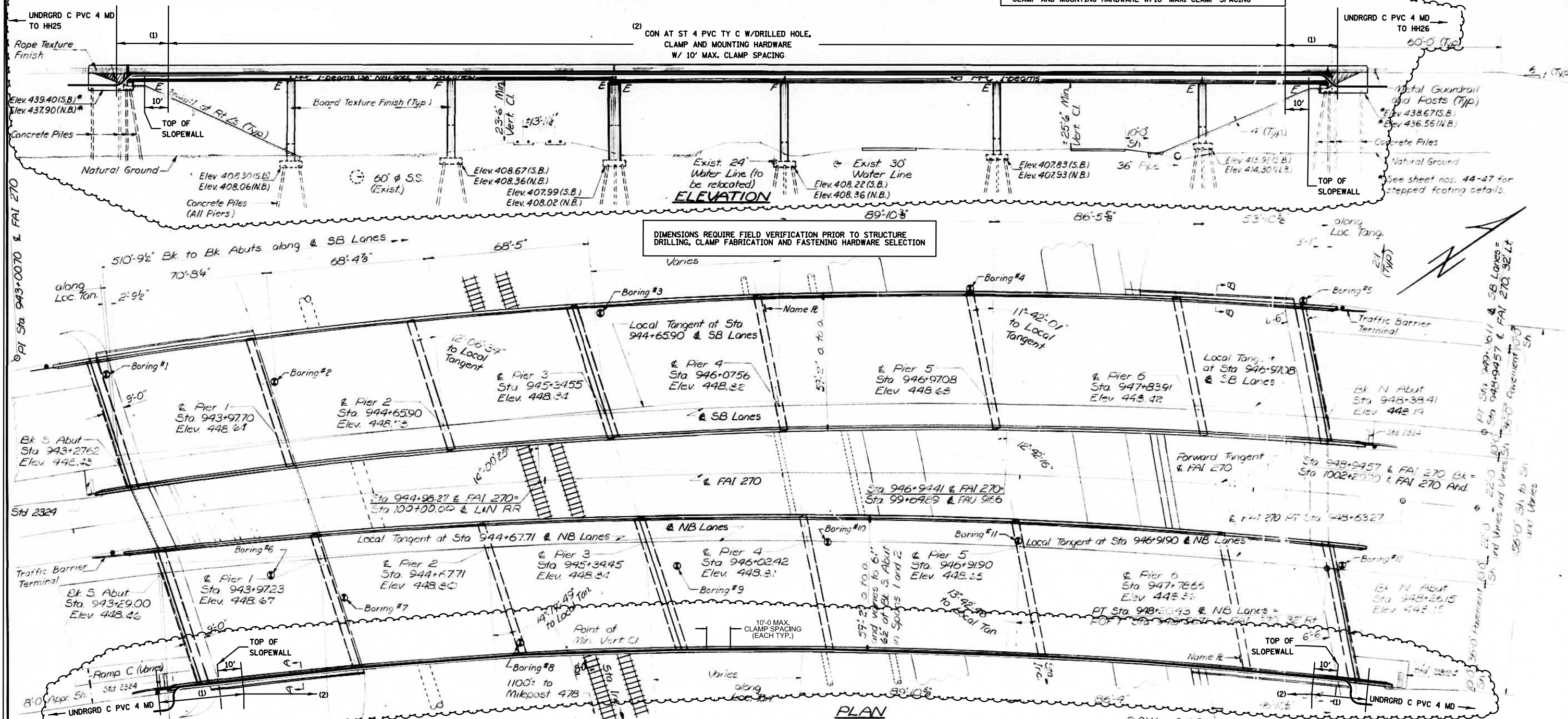
COND ATT STR
4 FBR MD &
CON AT ST
4.0 MULTI DUCT
W/DRILLED HOLE,
CLAMP AND
MOUNTING HARDWARE
(SEE GENERAL NOTE)



No Existing Structure

THE COST OF STRUCTURE DRILLING, FURNISHING AND INSTALLING CLAMPS AND ASSOCIATED MOUNTING HARDWARE, CONFORMING CONDUIT AROUND AND/OR OVER STRUCTURE PROTRUDING FEATURES, AND CONDUIT SPLICES/EXPANSION DEVICES SHALL BE INCLUDED IN THE UNIT PRICE OF THE CONDUIT ATTACHED TO STRUCTURE.

SPlice "UNDRGRD C PVC 4 MD" TO "COND ATT STR 4 FBR MD"
2' MIN. BELOW EXISTING GROUND ELEVATION
AND
SPlice "COND ATT STR 4 FBR MD" TO "CON AT ST 4.0 MULTI DUCT"
10' BEYOND THE TOP OF THE SLOPEWALL W/DRILLED HOLE,
CLAMP AND MOUNTING HARDWARE W/10' MAX. CLAMP SPACING



DESIGN STRESSES

FIELD UNITS

$$f_c = 3500 \text{ psi}$$
$$f_y = 60,000 \text{ psi}$$

PRECAST PRESTRESSED UNITS

$f_c = 6000 \text{ psi}$
 $f_{ci} = \text{Varies each span}$
 $f'_s = 270,000 \text{ psi } (\frac{1}{2}'' \phi \text{ strands})$
 $f'_{si} = 189,000 \text{ psi } (\frac{1}{2}'' \phi \text{ strands})$

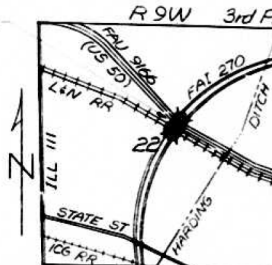
DESIGN SPECIFICATIONS: 1977 AASHTO, & 1978 Interim

DESIGN LOADING: HS 20-44 and Alternate

Allow 25 PSF for future wearing surface

FOR INFORMATION, ONLY

PROJECT 1-71-11 7/59/58
GENERAL PLAN AND ELEVATION
FAL RTE 270 OVER
L*N RR AND FAU RTE 9166
FAL RTE 270 SEC 82-3HVB
ST CLAIR COUNTY
STATION 946+9441



LOCATION
SKETCH

DESIGNED *[Signature]*
CHECKED *II Kayar*
DRAWN *G BAI*
CHECKED *IIK*

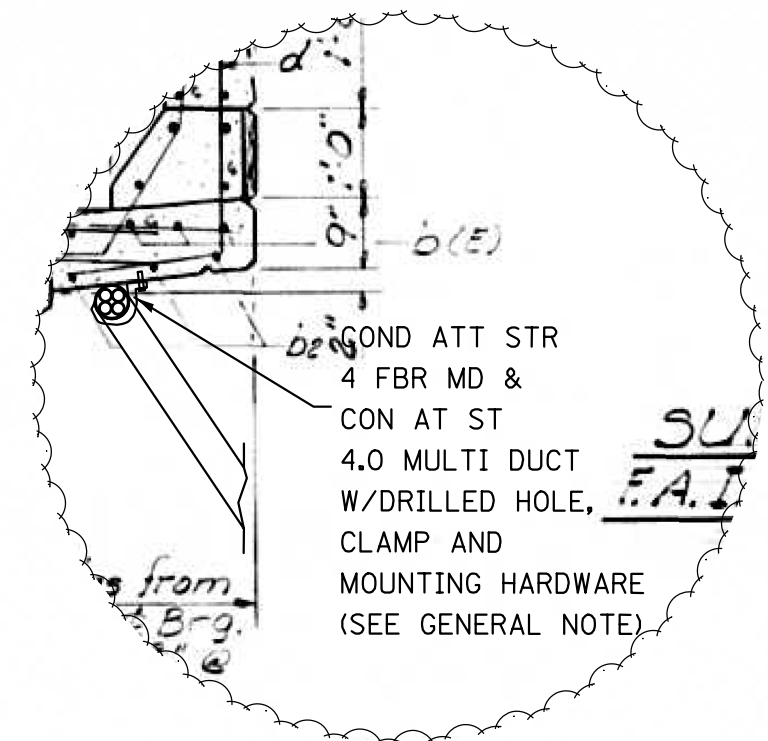
January 9 1979

EXAMINED *[Signature]*

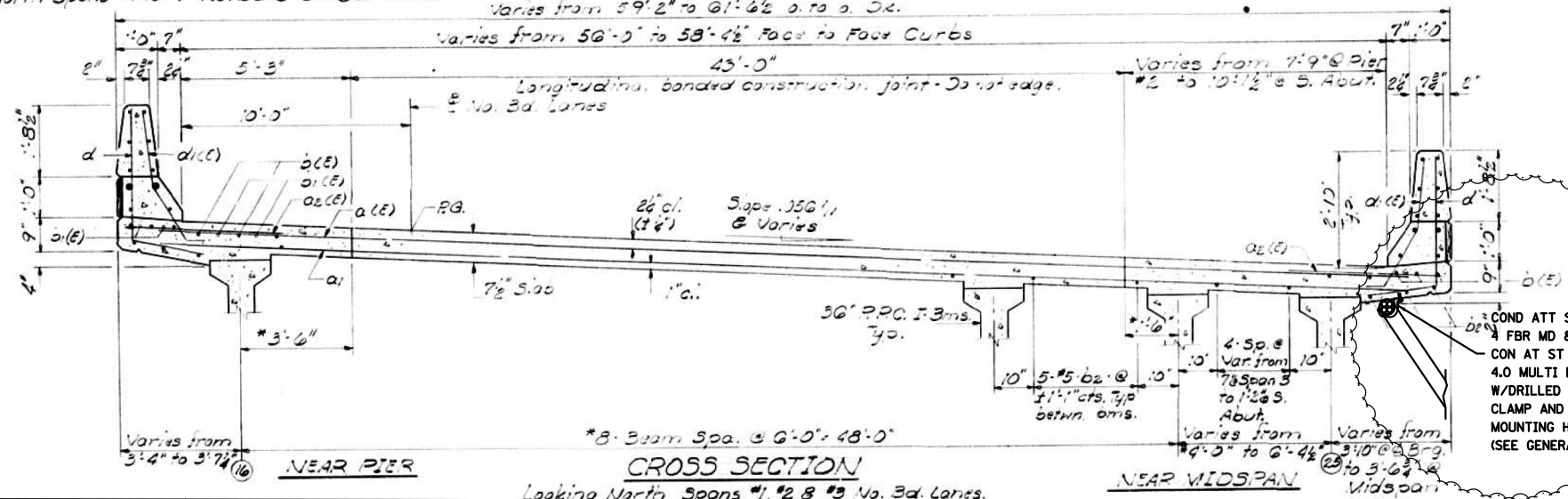
PASSED

APPROVED

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	SHEET NO. 15 62 SHEETS
R.R. F.A. 270	82- 3HVB	ST CLAIR	89	24	
FED. ROAD DIST. NO. 7		RAILROAD	FED. AID PROJECT		



COND ATT STR
4 FBR MD &
CON AT ST
4.0 MULTI DUCT
W/DRILLED HOLE,
CLAMP AND
MOUNTING HARDWARE
(SEE GENERAL NOTE)



DESIGNED <u>Hubert J. Scher</u>	EXAMINED <u>[Signature]</u>
CHECKED <u>I. I. Karpas</u>	PASSED
DRAWN <u>J. SCHNELLER</u>	APPROVED
CHECKED <u>I. I. K</u>	

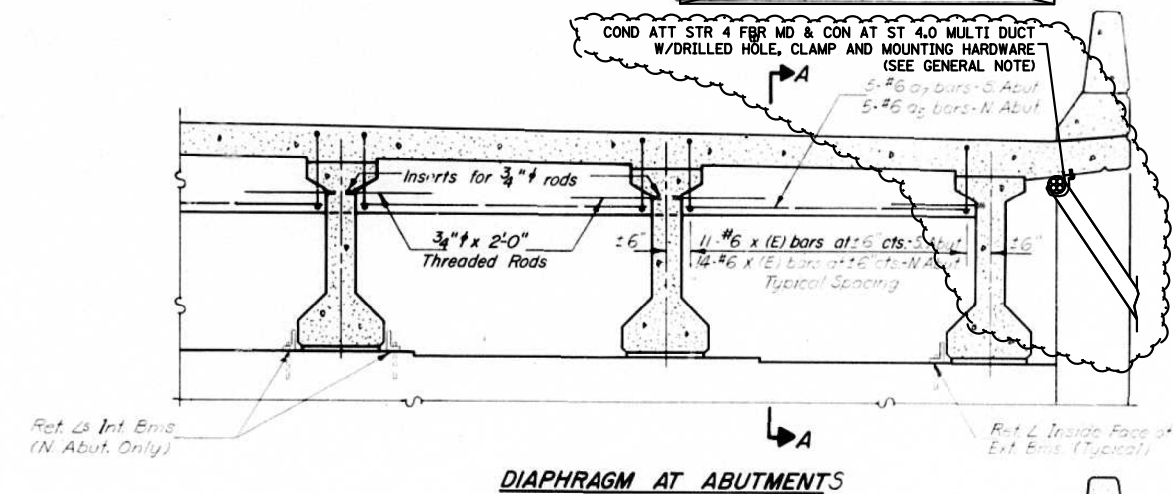
FOR INFORMATION, ONLY

COND ATT STR
FBR MD &
CON AT ST
4.0 MULTI DUCT
W/DRILLED HOLE,
CLAMP AND
MOUNTING HARDWARE
(SEE GENERAL NOTE)

SUPERSTRUCTURE DETAILS
E.A. RT. 270 SEC. 82-3HVS
ST. CLAIR COUNTY
STA. 94G+99.41

WHEEL	SECTION	CONTENTS	TOTAL SHEETS	SHEET NO.
***	81			
*** 270	3448	81	89	50
PRE-SUBMIT NO. 1	ISSUANCE	PRE-CONSTRUCTION		

SHEET NO. 4
62 SHEETS



(1) SPLICE "UNDRGRD C PVC 4 MD" TO "COND ATT STR 4 FBR MD" 2' MIN. BELOW EXISTING GROUND ELEVATION AND SPLICE "COND ATT STR 4 FBR MD" TO "CON AT ST 4.0 MULTI DUCT" 10' BEYOND THE TOP OF THE SLOPEWALL

4'-6"

2'-3"

BAR x(E)

5"

5"

1'-10"

BAR s₁ & s₂

NOTE: Reinforcement bars shown on this sheet are included in Bill of Materials Sheet # 20

UNDRGRD C PVC 4 MD

Approach Pav't

2" S. Abut 35° N Abut (at 50° F)

2'cl

1'cl

a₂(E) or a₃(E)

So. Abut No. Abut

1'-0" 10'cl

"#x 2'-0"

Threaded Rods Space to miss strands

Hatched area to be poured after superstr. forms have been removed. Quantity of Class X Conc. included with Superstr.

Back of Abut

SECTION A-A AT ABUTMENTS (at Rt. L's)

DE

CH

DRAWN

CHECKED

APPROVED

ENGINEER OF DESIGN

DIRECTOR OF HIGHWAYS

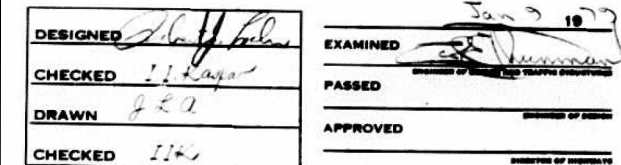
Technical drawing of a pier cross-section showing reinforcement details. The drawing includes dimensions for pier width (1'-0"), pier height (1'-0"), and reinforcement bar placement. Labels include "E Pier", "m₂ or m₆ Pier 2", "m₂ or m₆ Pier 4", "m₂ or m₆ Pier 2", "m₂ or m₆ Pier 4", "1" cl.", "3/4" x 2'-0" 1 Rods", "3/4" x 3'-0" Dowel Rods", "Cost incidental", and "15" cl."

DIAPHRAGM DETAILS
NORTH BOUND LANES
F.A.I. RT. 270 SEC. 82-3HVE
ST. CLAIR COUNTY
STA. 0+00 TO 0+100

FILE NAME =	USER NAME = prestonne	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	I-255 BRIDGE OVER METRO /ST. CLAIR AVE. CONDUIT DETAILS 3 OF 5					F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw\work\p\idot\prestonne\d0389142\d876h30-sht-1tsp1and.dgn	DRAWN -	REVISED -	REVISED -							255	DIST 8 ITS 2015-2	ST. CLAIR	50	39
PLOT SCALE = 100.2538 ' / in.	CHECKED -	REVISED -			CONTRACT NO. 76H30									
PLOT DATE = 1/26/2015	DATE -	REVISED -			ILLINOIS FED. AID PROJECT									
					SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.				

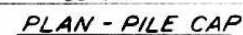
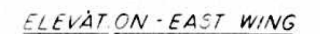
Note: Pour steps monolithically with cap

Bonded Const. Jt.
Form to match
parapet grade

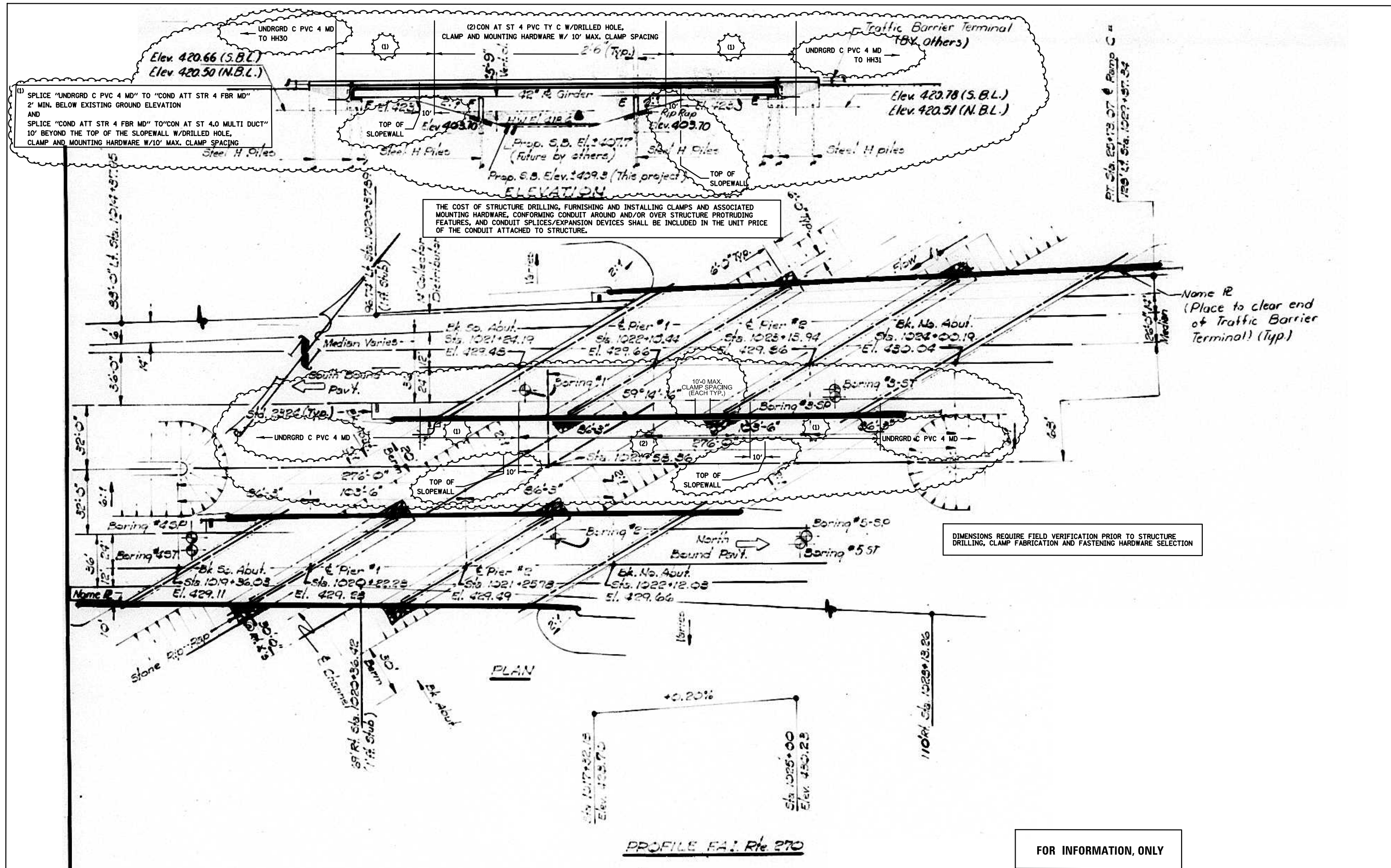


BILL OF MATERIAL				
Bar	No.	Size	Length	Shape
HA1	16	#5	31'-0"	—
HA4	44	#4	15'-2"	—
HA5	6	#6	30'-6"	—
HA9	12	#6	5'-0"	L
HA10	16	#6	5'-0"	J
HA1	32	#6	8'-0"	U
DA3	3	#7	8'-2"	—
DA4	6	#6	5'-0"	L
DA5	6	#7	13'-6"	—
DA6	6	#7	15'-3"	—
DA7	6	#6	4'-0"	—
DA21	10	#7	31'-3"	—
DA22	10	#7	32'-0"	—
SA1	100	#5	10'-3"	—
SA2	26	#5	9'-7"	□
SA3	2	#5	9'-2"	□
UA3	4	#6	3'-10"	□
UA4	6	#6	9'-10"	□
VA1	60	#5	6'-4"	—
VA2	60	#5	5'-1"	—
VA3	60	#5	3'-3"	—
VA4	50	#5	2'-6"	—
VA5	38	#6	4'-3"	—
VA7	26	#6	4'-5"	—
VA21	32	#6	5'-6"	—
VA22	32	#6	7'-2"	—
Class X Concrete			Cu Yds	73.3
Reinforcement Bars			Lbs.	7180
Concrete Piles			Lin. Ft	1241

SOUTH ABUTMENT
NORTH BOUND LANES
F.A.I. RT. 270 SEC. 82-34VB
ST. CLAIR COUNTY
STA. 946+94.41

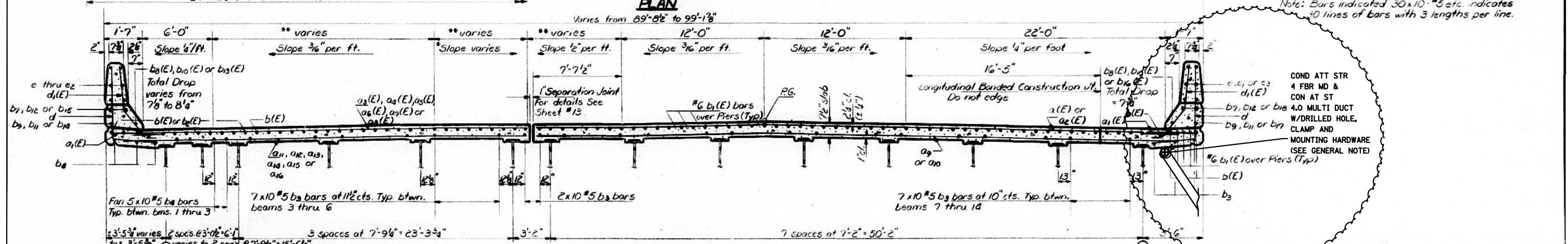


FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		I-255 BRIDGE OVER METRO /ST. CLAIR AVE. CONDUIT DETAILS 5 OF 5		F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw\work\pwidot\prestonme\d0389142\d876h30-shr-itsplan.dgn	DRAWN -	REVISED -	255					DIST 8 ITS 2015-2	ST. CLAIR	50	41	
PLOT SCALE = 100.2538 ' / in.	CHECKED -	REVISED -	CONTRACT NO. 76H30									
PLOT DATE = 1/26/2015	DATE -	REVISED -	ILLINOIS FED. AID PROJECT									
				SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.			



SEWER NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
S.S. 1.	5025	ST. LOUIS	48	20
P.A. 310				
PER. SHEET NO. 7		ILLINOIS	PER. AND PROJECT.	

SHEET NO. 10
28 SHEETS



DESIGNED <u>DAN KROLL</u>	EXAMINED <u>[Signature]</u>
CHECKED <u>Richard Brunette</u>	PASSED <u>[Signature]</u>
DRAWN <u>Joe Sutherland</u>	APPROVED _____
CHECKED <u>R.B.</u>	_____

CROSS SECTION
Looking up station

SUPERSTRUCTURE
SOUTH BOUND LANES
F.A.T. RT. 270 SEC. 82-2B
ST. CLAIR COUNTY
STATION 1021+50.36

[illegible]

(1) SPLICE "UNDRGRD C PVC 4 MD" TO "COND ATT STR 4 FBR MD"
2' MIN. BELOW EXISTING GROUND ELEVATION
AND
SPLICE "COND ATT STR 4 FBR MD" TO "CON AT ST 4.0 MULTI DUCT"
10' BEYOND THE TOP OF THE SLOPEWALL

Reinforcement

v_1 or n

v_2 or n

h_3

13'-6"

Bend to fit in the field

BILL OF MATERIAL

Bar	No	Size	Length	Shape
n	30	#5	28'-6"	—
n ₁	30	#5	29'-9"	—
n ₂	10	#5	7'-0"	—
n ₃	36	#4	13'-3"	—
n ₄	10	#5	4'-2"	—
n ₅	6	#5	40'-10"	—
n ₆	3	#5	13'-10"	—
n	28	#6	9'-0"	—
p	36	#7	29'-5"	—
p ₁	36	#7	32'-7"	—
p ₂	12	#7	13'-3"	—
s	161	#4	14'-11"	—
s ₁	28	#4	9'-5"	—
s ₂	99	#4	5'-4"	—
u	8	#6	12'-6"	—
v	338	#4	5'-0"	—
v ₁	28	#6	7'-3"	—
v ₂	28	#6	7'-2"	—
v ₃	137	#5	2'-6"	—
Class X Concrete			Cu Yds	151.9
Reinforcement Bars			Lbs	12,240
Steel Piles (HP10x42)			L in Ft	2580

SOUTH ABUTMENT
SOUTH BOUND LANES
F.A.I. RT. 270 SEC. 8-28
ST. CLAIR COUNTY
STA. 1021+58.36

TOP VIEW

PILE DATA

Type Steel (HP10x42)
Capacity Drive to Refusal
Est Length 123'
No Required 21

PLAN - PILE CAP

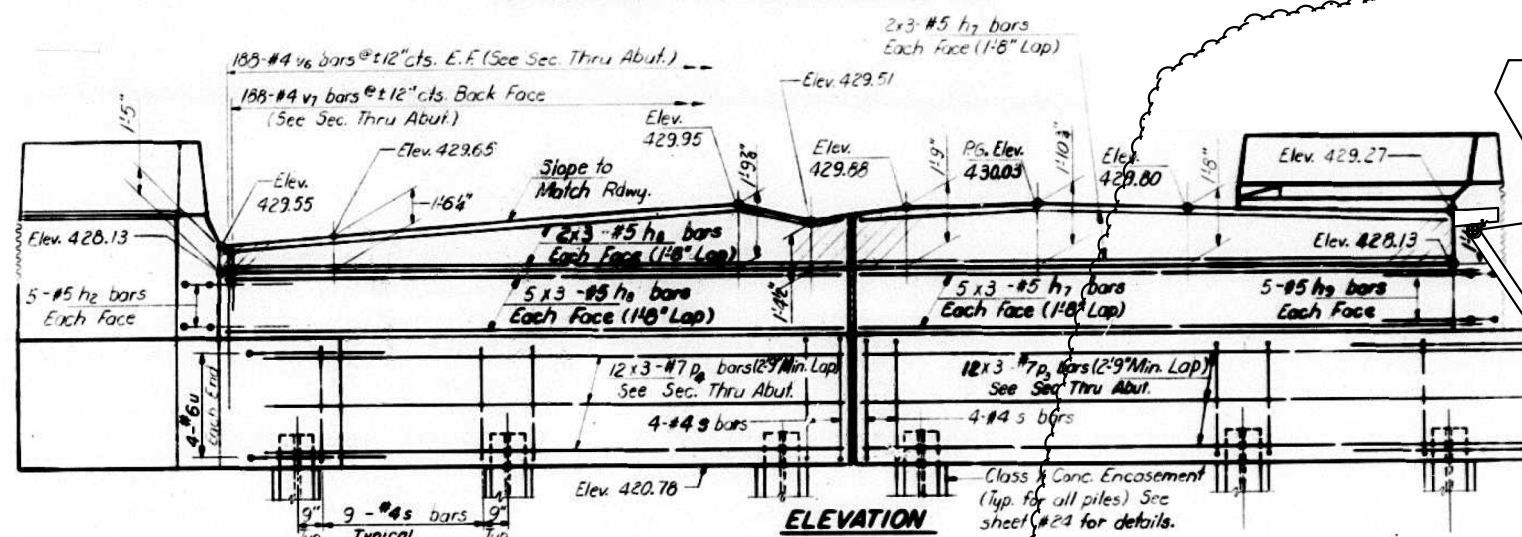
I-255 BRIDGE OVER HARDING DITCH CONDUIT DETAILS
3 OF 4

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	DIST 8 ITS 2015-2	ST. CLAIR	50	44
CONTRACT NO. 76H30				
ILLINOIS FED. AID PROJECT				

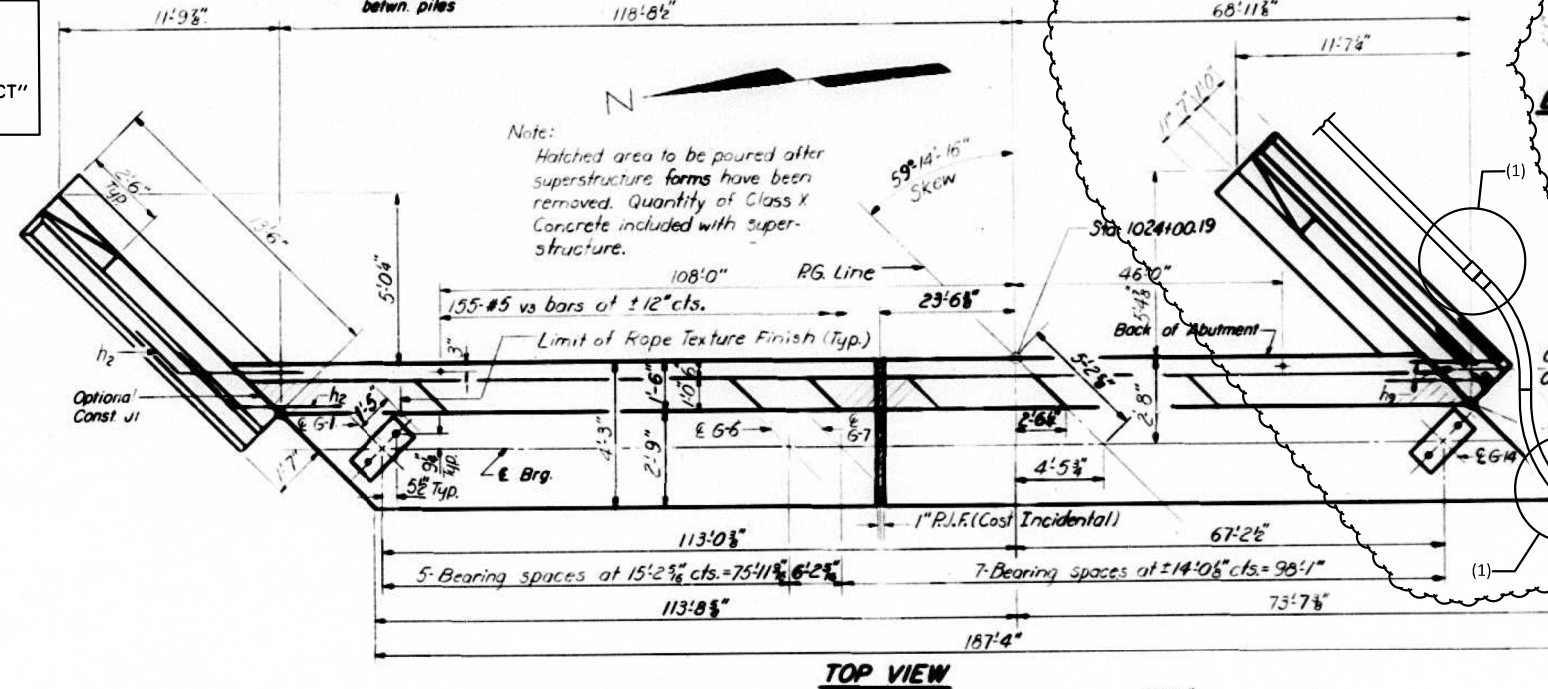
ROUTE	SECTION	DATE	SHEET #	NO.
101	101	101	101	101
PREPARED BY: [Signature] DATE: 10/1/01 DRAWN BY: [Signature] DATE: 10/1/01				

COND ATT STR
4 FBR MD &
CON AT-ST
4.0 MULTI DUCT
W/DRILLED HOLE,
CLAMP AND
MOUNTING HARDWARE
(SEE GENERAL NOTE)

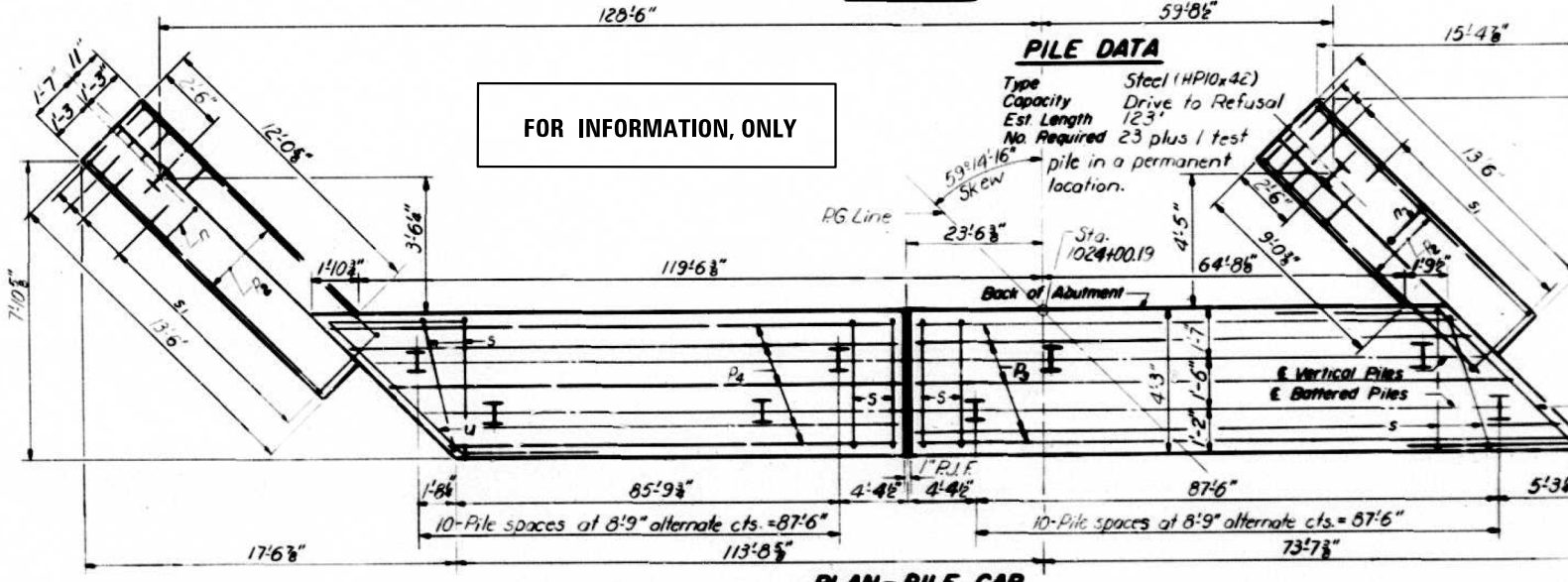


WING WALL ELEVATION

-

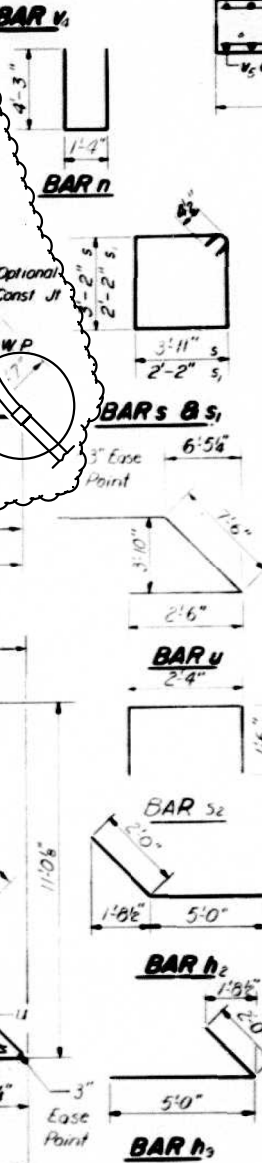


FOR INFORMATION, ONLY



PILE DATA

Type Steel (HP10x42)
Capacity Drive to Refus
Est. Length 123'
No. Required 23 plus 1 test
16" pile in a permanent
location.



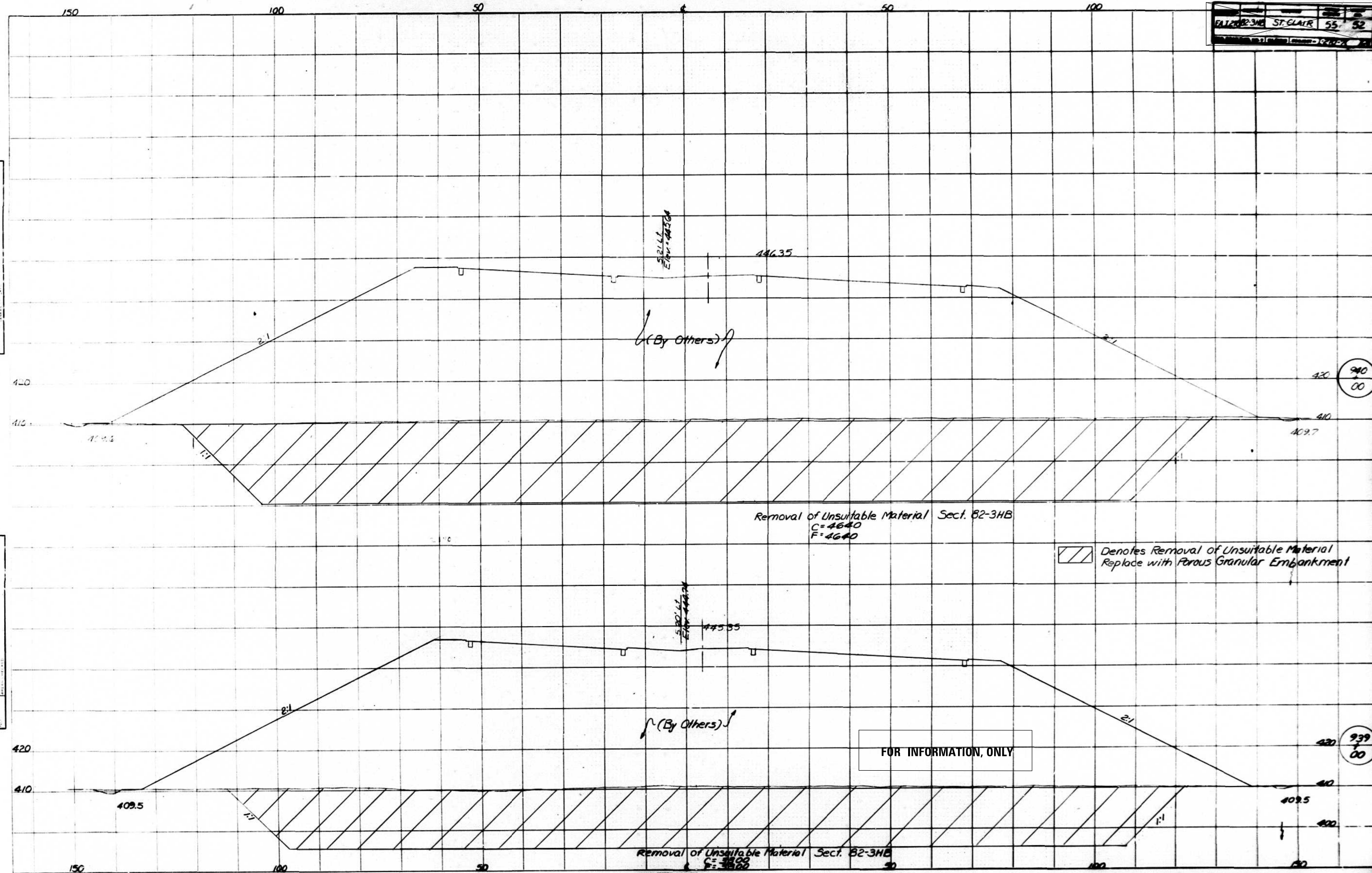
Bar	No	Size	Length	Shape
n ₂	10	#5	7'-0"	
n ₃	36	#4	13'-3"	
n ₁	42	#5	31'-10"	
n ₆	42	#5	33'-7"	
n ₉	10	#5	7'-0"	
n ₁₀	6	#5	35'-7"	
n ₁₁	3	#5	30'-1"	
n	28	#6	9'-10"	
p ₂	12	#7	13'-3"	
p ₃	36	#7	34'-1"	
p ₄	36	#7	34'-4"	
s	188	#8	14'-11"	
s ₁	28	#8	9'-5"	
s ₂	101	#4	5'-4"	
u	8	#6	12'-6"	
v ₃	155	#5	2'-6"	
v ₆	28	#6	7'-9"	
v ₅	28	#6	7'-6"	
v ₄	376	#4	6'-6"	
v ₇	188	#4	3'-0"	
Class X Concrete			Cu Yth	169.3
Reinforcement Bars			Lbs	15,120
Steel Piles (HP10x42)			Lin Ft	2829
Test Piles Steel (HP10x42)			Ea	1

DESIGNED	J. A. Kelle
CHECKED	Richard Brimette
DRAWN	R. Doty
CHECKED	P. E.

EXAMINED _____
PASSED _____
APPROVED _____
DIRECTOR OF HIGHWAYS

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	DIST 8 ITS 2015-2	ST. CLAIR	50	45
		CONTRACT NO. 76H30		
ILLINOIS FED. AID PROJECT				



Sht 1 of 3

BRIDGE FOUNDATION BORING LOG

PROJECT 1-255-8(10)7
 ROUTE FAI 255
 SEC. 82-311B-1
 COUNTY St. Clair

BRIDGE FAI 255 over
 State Street

Date April 27, 1971
 Bored By Don Miller
 Checked By H.L.A.

Boring No. 6
 Station 920+60
 Offset 50' R

Depth	N	Qu t/s.f.	w (%)	Surface Water El.	Groundwater El. at Completion	After Hours	Depth	N	Qu t/s.f.	w (%)
0										
Firm Moist Gray										
Clayey Silt	12	--	23				12	--	--	
with Cinders							-25			
Stiff Damp	4	1.30	32				10	--	--	
Dark Gray	-5									
Clay	6	1.58	32				21	--	--	
							-30			
	5	1.10	39				10	--	--	
	-10									
Soft Wet Gray										
Clayey Silt	2	--	20				22	--	--	
							-35			
Fine Wet Dark										
Gray	10	--	--				24	--	--	
Silty Sand	-15									
	30	--	--				14	--	--	
							-40			
	15	--	--				35	--	--	
	-20									
	6	--	--				23	--	--	
							-45			

- Standard Penetration Test -
 blows per foot to drive 2"
 D. Split-Spoon Sampler 12" with

Qu - Unconfined Compressive
 Strength - t/sf

Type failure:
 B - Bulge Failure
 S - Shear Failure

Sht 2 of 3

BRIDGE FOUNDATION BORING LOG

PROJECT 1-255-8(10)7
 ROUTE FAI 255
 SEC. 82-311B-1
 COUNTY St. Clair

BRIDGE FAI 255 over
 State Street

Date April 27, 1971
 Bored By Don Miller
 Checked By H.L.A.

Boring No. 6 cont'd
 Station 920+60
 Offset 50' R

Depth	N	Qu t/s.f.	w (%)	Surface Water El.	Groundwater El. at Completion	After Hours	Depth	N	Qu t/s.f.	w (%)
-45										
	18	--	--				32	--	--	
							-70			
	10	--	--				66	--	--	
	-50									
Medium to Coarse	24	--	--				16	--	--	
Loose Gray							-75			
Sand	12	--	--				22	--	--	
and	-55									
Gravel	15	--	--				24	--	--	
							-80			
	13	--	--				32	--	--	
	-60									
	25	--	--				32	--	--	
							-85			
	43	--	--				19	--	--	
	-65									
	48	--	--				23	--	--	
							-90			

N - Standard Penetration Test -
 blows per foot to drive 2"

Qu - Unconfined Compressive
 Strength - t/sf

Type failure:
 B - Bulge Failure
 S - Shear Failure

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
c:\pw\work\pwwork\prestonme\d0389142\d0389142-11-11-11.dgn		DRAWN -	REVISED -
PLOT SCALE = 100.2538' / 1" in.		CHECKED -	REVISED -
PLOT DATE = 1/26/2015		DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

SOIL BORING LOG

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
255	DIST 8 ITS 2015-2	ST. CLAIR	50	49
CONTRACT NO. 76H30				
ILLINOIS FED. AID PROJECT				

Sht 3 of 3

BRIDGE FOUNDATION BORING LOG

PROJECT 1-255-8(10)7

ROUTE 255

SEC 82-311B-1

COUNTY St. Clair

Boring No. 6 con't

Station 920+60

Offset 50' R

BRIDGE PAI 255 over

State Street

STA.

Date April 27, 1971

Bored By Don Miller

Checked By H.L.A.

Depth	N	Qu t/s.f.	w (%)	Surface Water El.	Groundwater El. at Completion	Attag Hours	Depth	N	Qu t/s.f.	w (%)
-90										
	22	--	--							
END OF BORING										
-95										
-100										
-105										
-110										

-Standard Penetration Test -
ows per foot to drive 2"

Qu - Unconfined Compressive
Strength - t/si

Type failure:
B - Bulge Failure
C - Churn Failure