

1-17-14 LETTING ITEM 066

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/70	DIST 8 ITS 2014-1	MADISON	44	1
		ILLINOIS	CONTRACT NO. 76G08	

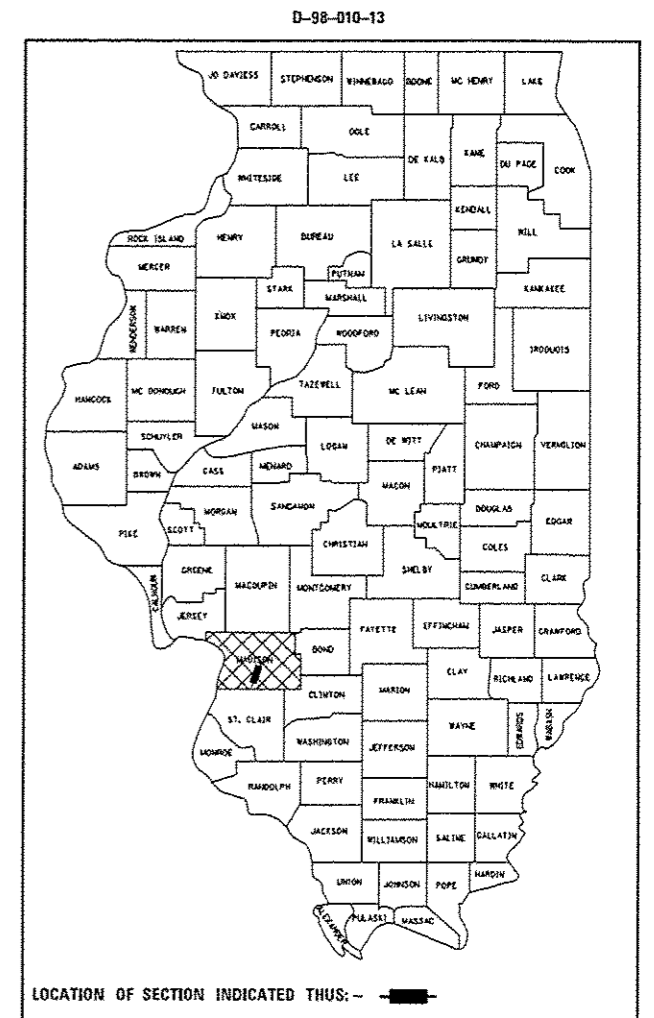
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FAI ROUTE 55/70 (I-55/70)
 SECTION DIST 8 ITS 2014-1

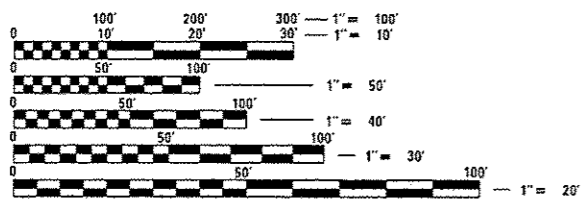
ITS ALONG I-55 /70 FROM WEST
 OF US 40 TO I-55 NORTH OF I-270
 MADISON COUNTY

C-98-008-13



STANDARDS

- | | | |
|-----------|-----------|-----------|
| 280001-07 | 701101-04 | 701106-02 |
| 701400-07 | 701406-08 | 701411-08 |
| 701446-05 | 701456-03 | 701501-06 |
| 701901-03 | 814001-02 | 814006-02 |
| 836001-02 | 878001-09 | |



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.

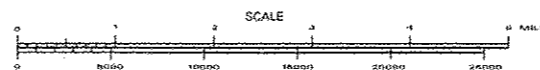
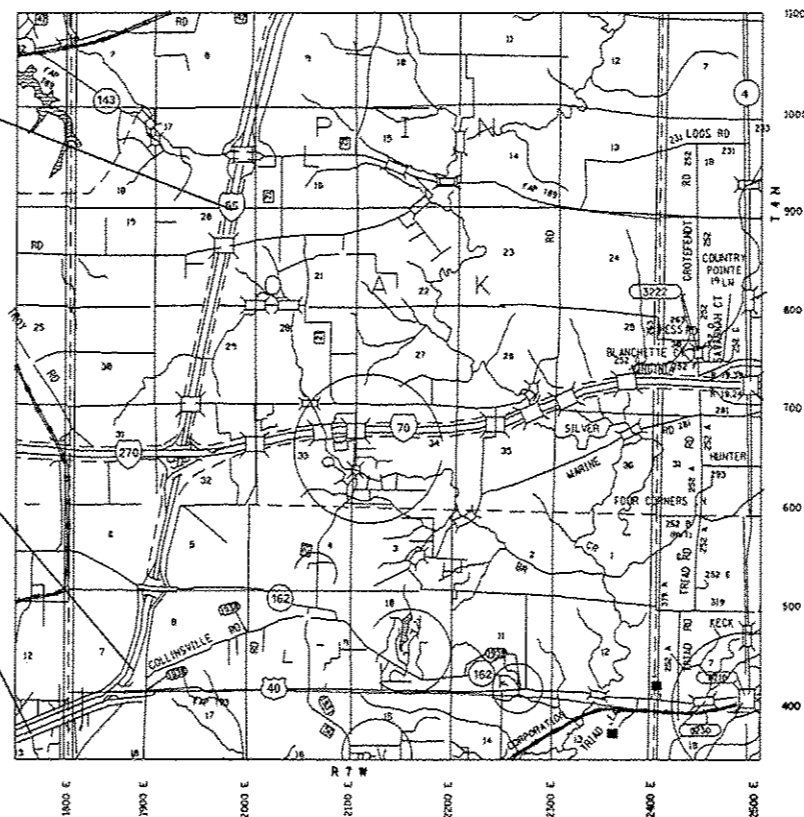
J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-892-0123
 OR 811

PROJECT ENGINEER: PATTI LEBEAU 618-346-3179
 SQUAD LEADER: MICHAEL PRESTON 618-346-3143
 LIAISON ENGINEER: LINDA LEONARD 618-346-3285
 CONTRACT NO. 76G08

PROJECT ENDS
 I-55 STA.1148 + 69
 (NOTE: STATIONING
 INCREASES GOING SOUTH)
 PIN OAK TOWNSHIP

STATION EQUATION
 STA. 856 + 00 BK = STA 1382 + 94 AH.

PROJECT BEGINS
 I-55/70 STA.774 + 80
 (NOTE: STATIONING
 INCREASES GOING NORTH)
 JARVIS TOWNSHIP



GROSS LENGTH = 31,545 FT = 5.97 MILE
 NET LENGTH = 31,545 FT = 5.97 MILE

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS

SUBMITTED October 17 20 13

[Signature]
 DEPUTY DIRECTOR OF HIGHWAYS REGION FIVE ENGINEER

[Signature]
 DEC 6 20 13
 JOHN D. BARANELLO PE, JR.
 ENGINEER OF DESIGN AND ENVIRONMENT

[Signature]
 DEC 6 20 13
 Omer Osman, PE, JR.
 DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
 OF THE STATE OF ILLINOIS

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 0021			SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 0021		
CODE NO	ITEM	UNIT		0021 100% STATE			CODE NO	ITEM	UNIT		0021 100% STATE		
25000210	SEEDING, CLASS 2A	ACRE	3.9	3.9		80300100	LOCATING UNDERGROUND CABLE	FOOT	31555	31555			
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	350	350		81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	50	50			
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	350	350		81300835	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 10"	EACH	2	2			
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	350	350		81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	42	42			
25100105	MULCH, METHOD 1	ACRE	3.9	3.9		81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	6	6			
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	350	350		83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	11	11			
28000500	INLET AND PIPE PROTECTION	EACH	25	25		87100110	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, 6F	FOOT	2967	2967			
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	17	17		87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	32685	32685			
67100100	MOBILIZATION	L SUM	1	1		87301815	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 3 C	FOOT	72	72			
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	1	1		X0322227	CLOSED CIRCUIT TELEVISION CAMERA SYSTEM	EACH	5	5			
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1	1		X0323583	SPEED INDICATOR SIGN	CAL DA	130	130			
70100825	TRAFFIC CONTROL AND PROTECTION, STANDARD 701456	L SUM	1	1		X0325073	MODIFY EXISTING CONTROLLER CABINET TYPE B	EACH	4	4			
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1									

SUMMARY OF QUANTITIES

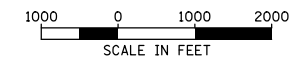
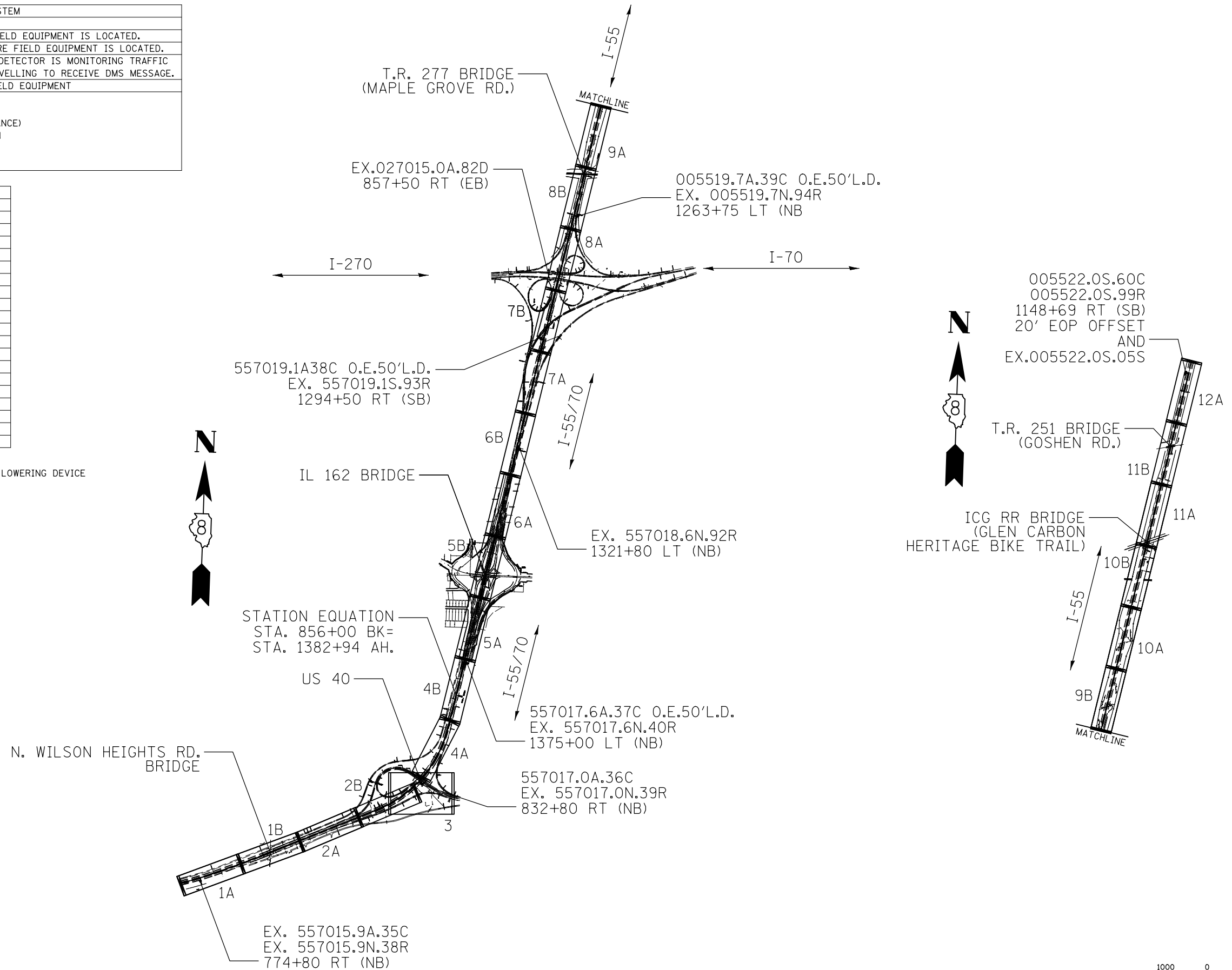
SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 0021			SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE 0021		
CODE NO	ITEM	UNIT		0021 100% STATE			CODE NO	ITEM	UNIT		0021 100% STATE		
X0325076	WIDE AREA NETWORK	L SUM	1	1		X8950212	MODIFY EXISTING CONTROLLER CABINET, SPECIAL	EACH	2	2			
X0325077	FIBER OPTIC UTILITY MARKER	EACH	104	104		X0325086	CONDUIT ATTACHED TO STRUCTURE, 4" DIA., FIBERGLASS BULLET RESISTANT, MULTI-DUCT	FOOT	60	60			
X0325476	RADAR VEHICLE DETECTION SYSTEM	EACH	1	1		X8102839	UNDERGROUND CONDUIT, PVC, 4" DIA, MULTI-DUCT	FOOT	32010	32010			
X0325482	REMOVE EXISTING ITS EQUIPMENT	EACH	6	6		Ø 20076604	TRAINEES TRAINING PROGRAM GRADUATE	Hour	500	500			
X0325483	SFP-GE-L SFP MODULE	EACH	10	10									
X0325484	SFP-GE-Z SFP MODULE	EACH	4	4									
X0326091	LIGHT POLE, STEEL 50 FT. WITH CAMERA LOWERING SYSTEM	EACH	1	1									
X0326912	3000 LAYER 2 SWITCH	EACH	5	5									
X0327096	ETHERNET MODEM	EACH	4	4									
X8110128	CONDUIT ATTACHED TO STRUCTURE, 4" DIA., PVC TYPE C	FOOT	130	130									
X8630103	CONTROLLER CABINET TYPE III, SPECIAL	EACH	1	1									
X8710075	FIBER OPTIC CABLE IN CONDUIT, 72 COND. S.M. F.O.	FOOT	34210	34210									
X8780105	CONCRETE FOUNDATIONS (SPECIAL)	EACH	1	1									

3 Ø 0042

FIELD EQUIPMENT NUMBERING SYSTEM	
EXAMPLE : 006402.8W.11D	
0064	DESIGNATES HIGHWAY WHERE FIELD EQUIPMENT IS LOCATED.
006402.8	DESIGNATES MILE MARKER WHERE FIELD EQUIPMENT IS LOCATED.
006402.8W	DESIGNATES DIRECTION VIDEO DETECTOR IS MONITORING TRAFFIC OR DIRECTION TRAFFIC IS TRAVELLING TO RECEIVE DMS MESSAGE.
006402.8W.11	NUMBER ASSIGNED TO THAT FIELD EQUIPMENT
006402.8W.11D	A = ALL DIRECTIONS D = VEHICLE DETECTION C = CAMERA (P/T/Z SURVEILLANCE) H = HAR SIGNAGE WITH BEACON R = RADAR DETECTION S = DYNAMIC MESSAGE SIGN

ITS ELEMENTS SCHEDULE		
RADAR DETECTION	STA.	ITS PLAN #
EX. 557015.9N.38R	774+80 RT (NB)	1A OF 12
EX. 557017.0N.39R	832+80 RT (NB)	3 OF 12
EX. 557017.6N.40R	1375+00 LT (NB)	4B OF 12
EX. 557018.6N.92R	1321+80 LT (NB)	6B OF 12
EX. 557019.1S.93R	1294+50 RT (SB)	7B OF 12
EX. 005519.7N.94R	1263+75 LT (NB)	8B OF 12
005522.0S.99R	1148+69 RT (SB)	12A OF 12
CAMERA		
EX. 557015.9A.35C	774+80 RT (NB)	1A OF 12
EX. 557017.0A.36C	832+80 RT (NB)	3 OF 12
557017.6A.37C	1375+00 LT (NB)	4B OF 12
557019.1A.38C	1294+50 RT (SB)	7B OF 12
005519.7A.39C	1263+75 LT (NB)	8B OF 12
005522.0A.60C	1148+69 RT (SB)	12A OF 12
DMS		
EX. 005522.0S.05S	1148+69 RT (SB)	12A OF 12

O.E.50'L.D.=ON EXISTING 50' STEEL POLE WITH CAMERA LOWERING DEVICE



FILE NAME =	USER NAME = prestonm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ITS KEY MAP			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
et:\pw\work\p\midot\prestonm\d0320429\d076g08-shr-ITS.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	55/70	DIST 8 ITS 2014-1	MADISON	44	5
		CHECKED -	REVISED -		CONTRACT NO.76G08									
		DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT									

TRAFFIC CONTROL AND PROTECTION ZONES

LOCATION #	1	2	3	4	5	6	7	8	9	10	11	12	13
ROAD	774+80 IN MEDIAN TO 832+80 IN MEDIAN	832+80 IN MEDIAN TO 832+80 RT (NB)	832+80 IN MEDIAN TO 1375+00 IN MEDIAN	1375+00 IN MEDIAN TO 1375+00 LT (NB)	1375+00 IN MEDIAN TO 1321+80 IN MEDIAN	1321+80 IN MEDIAN TO 1321+80 LT (NB)	1321+80 IN MEDIAN TO 1294+50 IN MEDIAN	1294+50 IN MEDIAN TO 1294+50 RT (SB)	1294+50 IN MEDIAN TO 1263+75 IN MEDIAN	1263+75 IN MEDIAN TO I-70 RAMP	I-70 RAMP TO 1263+75 LT (NB)	1263+75 IN MEDIAN TO 1148+69 RT IN MEDIAN	1148+69 RT IN MEDIAN TO 1148+69 RT (SB)
ADT (ACT. YR.)	41100 (2011)	20500 (2011)	31400 (2011)	15700 (2011)	36500 (2011)	18300 (2011)	36500 (2011)	14200 (2011)	27900 (2011)	125 (2008)	13700 (2011)	27900 (2011)	14200 (2011)
ADT (EST. YR.)	42300 (2014)	21100 (2014)	32400 (2014)	16200 (2014)	37600 (2014)	18900 (2014)	37600 (2014)	14600 (2014)	28700 (2014)	150 (2014)	14100 (2014)	28700 (2014)	14600 (2014)
SU%	2.40%	2.40%	2.60%	2.70%	2.6	2.50%	2.6	4.90%	4.30%	10.90%	3.60%	4.30%	4.90%
MU%	20.00%	18.00%	23.90%	26.10%	25.7	25.70%	2.3	30.30%	30.80%	19.40%	31.40%	30.80%	30.30%

PEAK HOUR RESTRICTIONS ARE AS FOLLOWS:

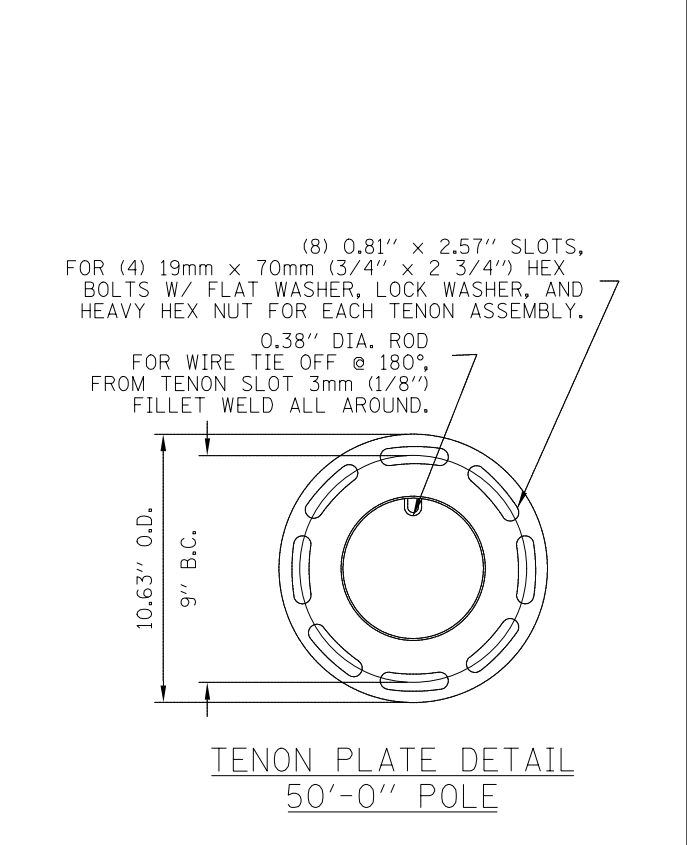
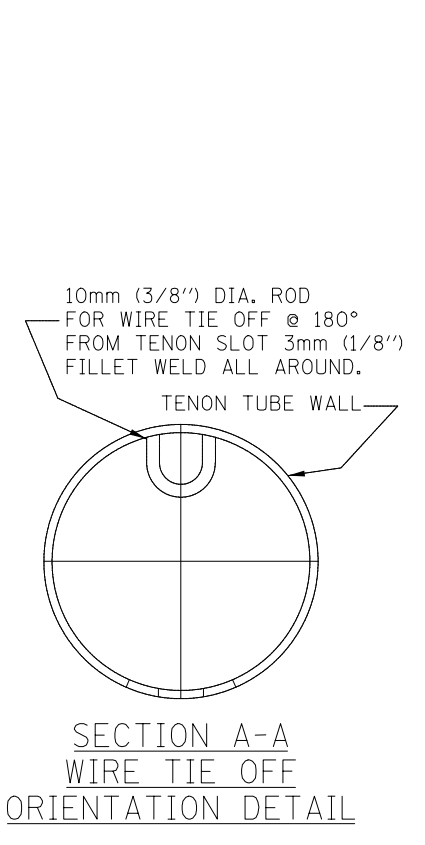
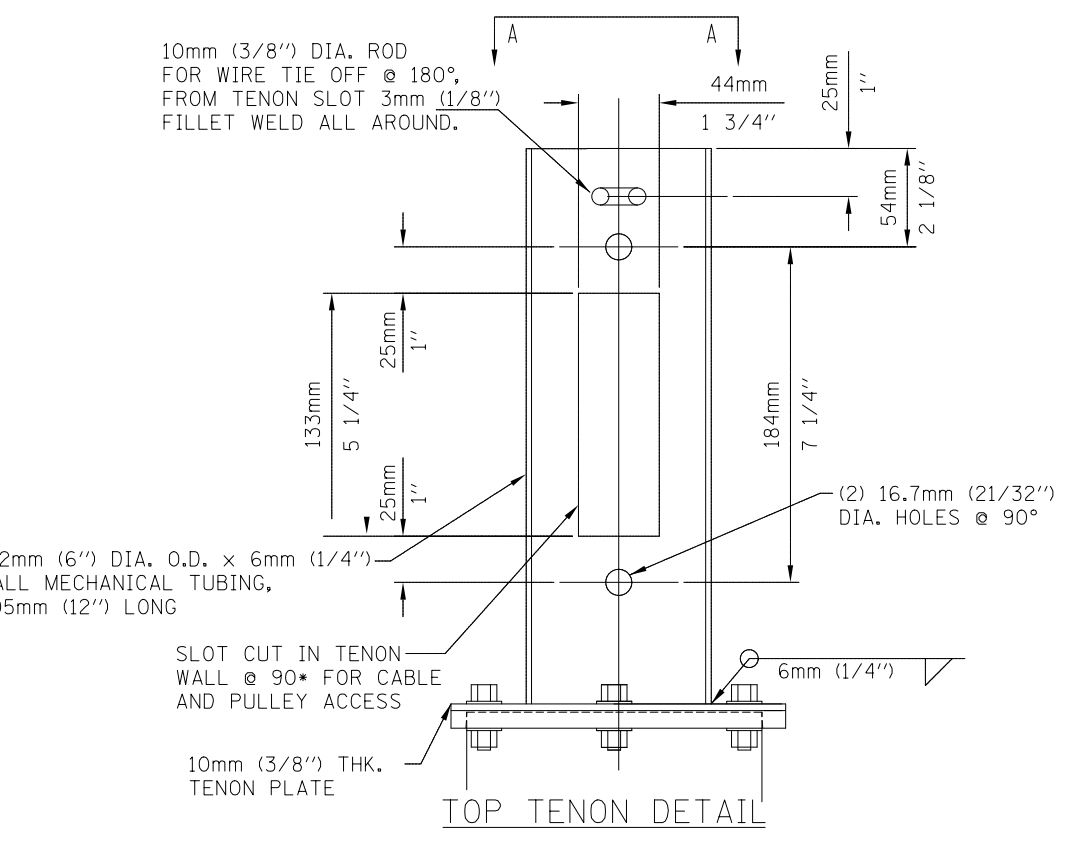
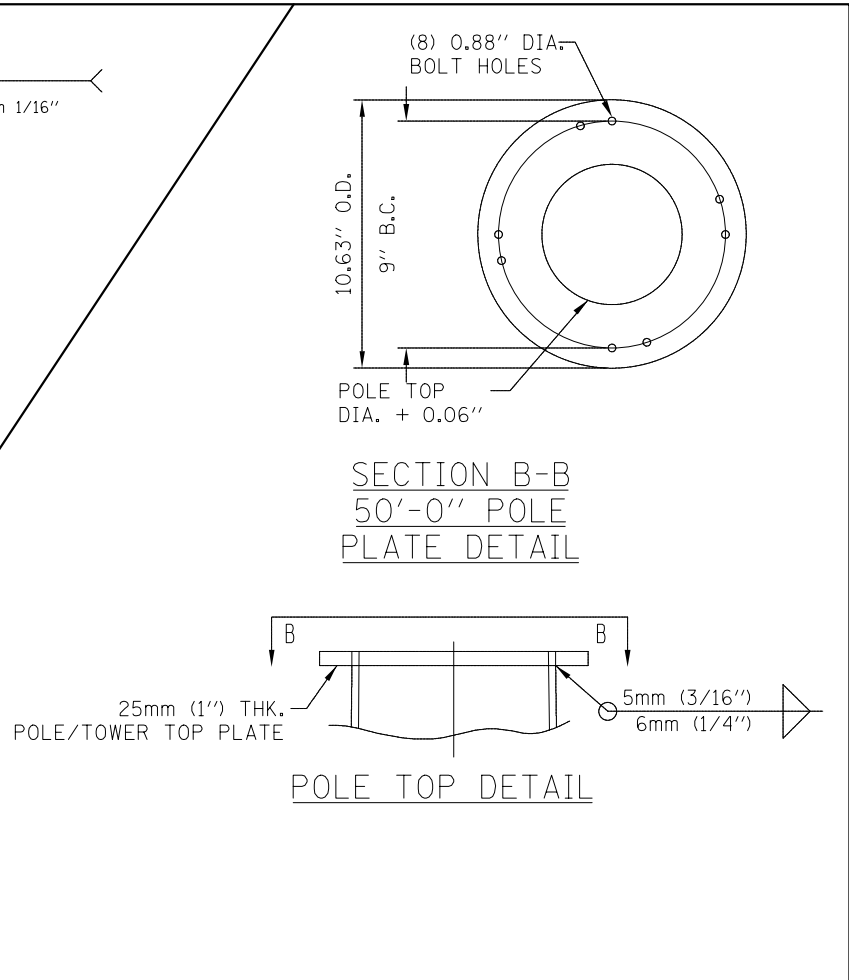
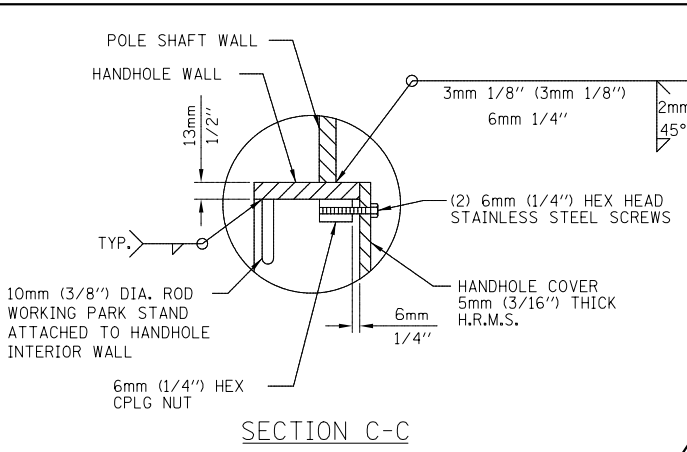
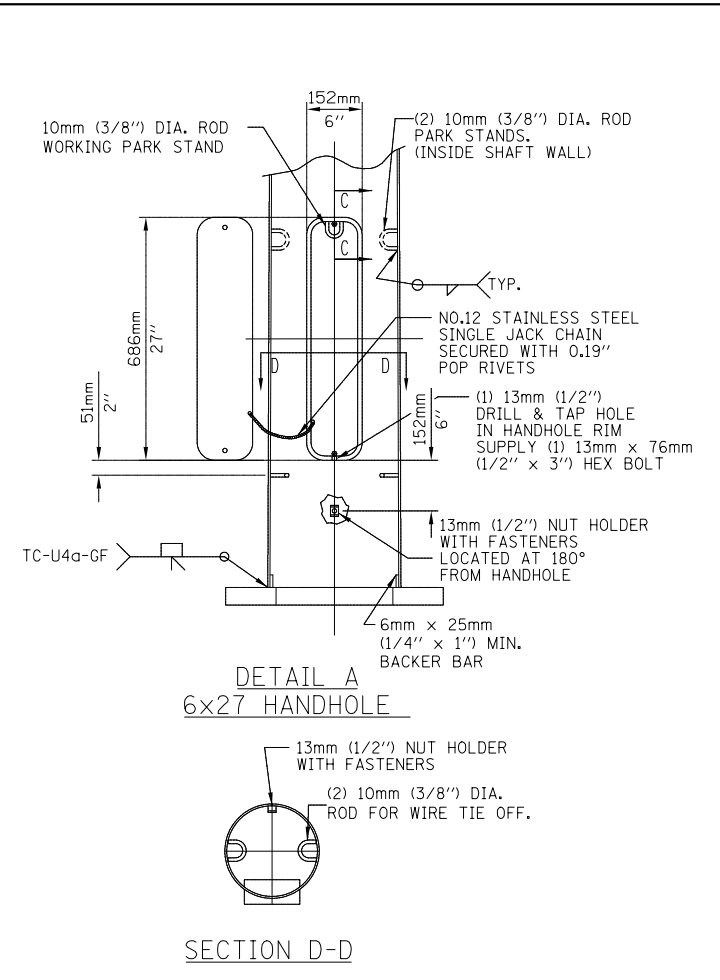
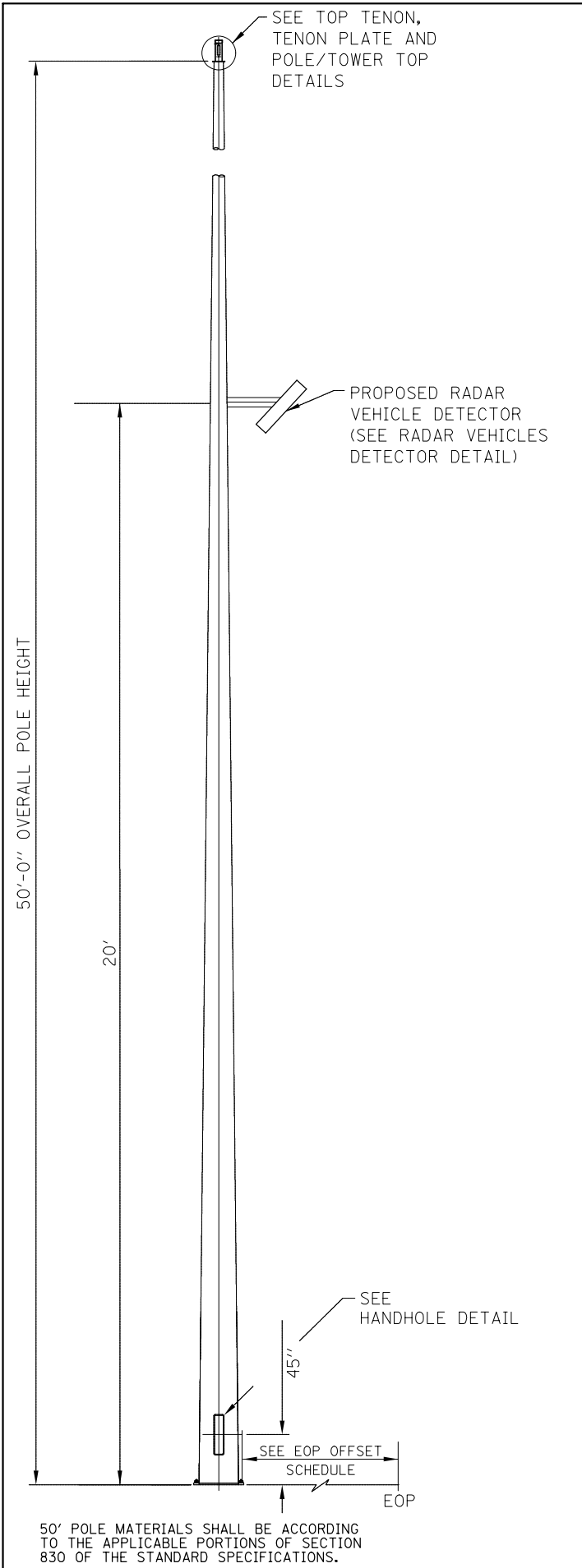
I-55/70: WESTBOUND-6:00 AM TO 9:00 AM; EASTBOUND-3:00 PM TO 6:00 PM.

TWO LANES IN EACH DIRECTION MUST BE OPEN DURING PEAK HOURS.

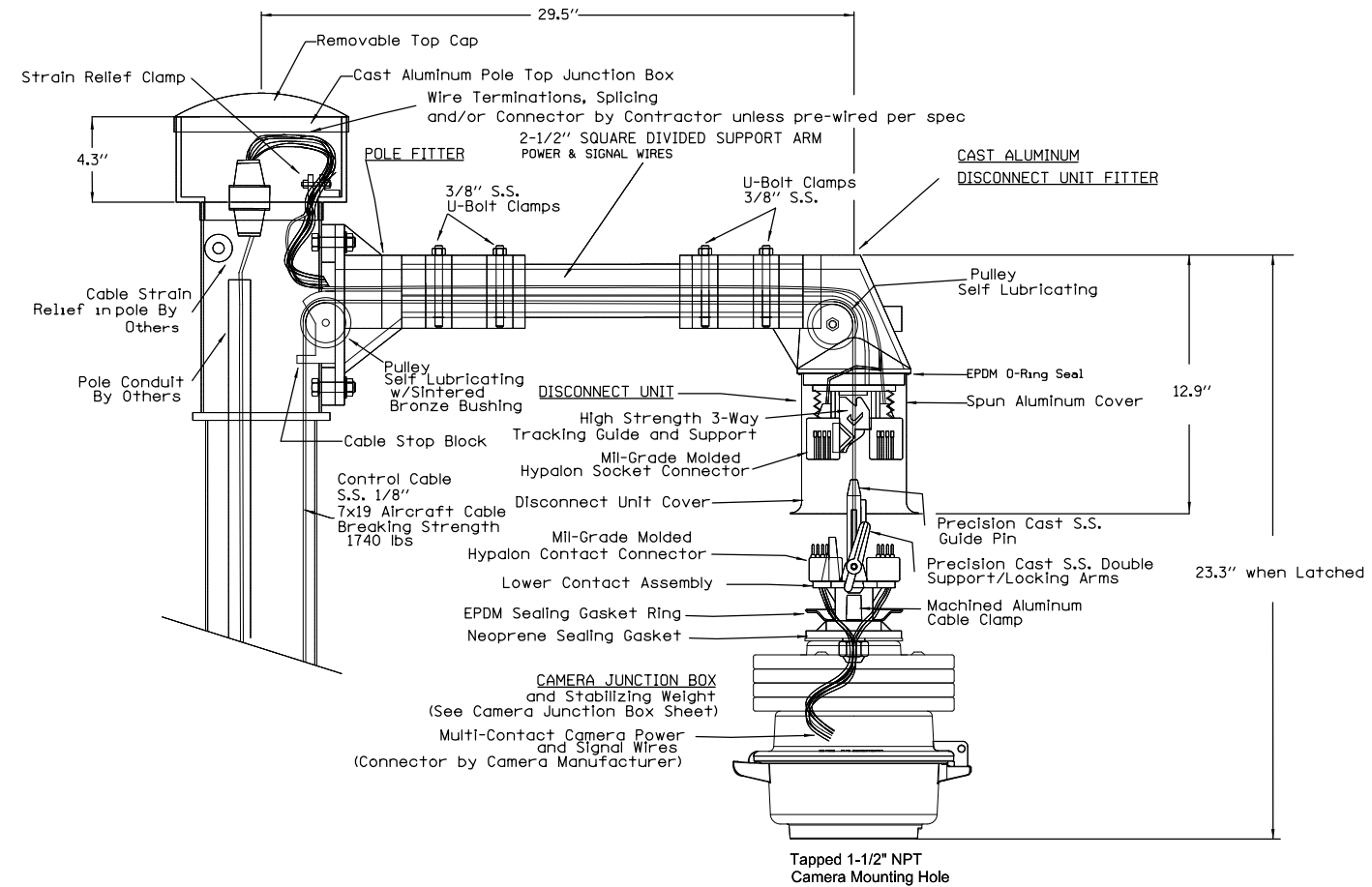
TRAFFIC CONTROL AND PROTECTION STANDARDS	TRAFFIC CONTROL AND PROTECTION ZONES													TOTALS
	1	2	3	4	5	6	7	8	9	10	11	12	13	
701101	X	X	X	X	X	X	X	X	X	X	X	X	X	NM
701106	X	X	X	X	X	X	X	X	X	X	X	X	X	NM
701400	X	X	X	X	X	X	X	X	X	X	X	X	X	NM
701406*	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.08	0.06	0.06	0.08	0.08	1.0 L SUM
701411										0.5	0.5			1.0 L SUM
701456										0.5	0.5			1.0 L SUM
701501	1.0													1.0 L SUM

*USE 701400, ALSO

NM=NOT MEASURED



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	POLE MOUNTED CCTV DETAIL WITH CAMERA LOWERING DEVICE 1 OF 2			F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\dot\prestonme\d0320429\d076g08-sht-ITS.dgn	PLOT SCALE = 100.0000' / 1in.	DRAWN -	REVISED -					55/70	DIST 8 ITS 2014-1	MADISON	44	7
PLOT DATE = 11/25/2013	DATE -	CHECKED -	REVISED -					CONTRACT NO.76G08				
		DATE -	REVISED -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.				



Camera Lowering Device for Pole
Mounting Multi-Function Surveillance Cameras

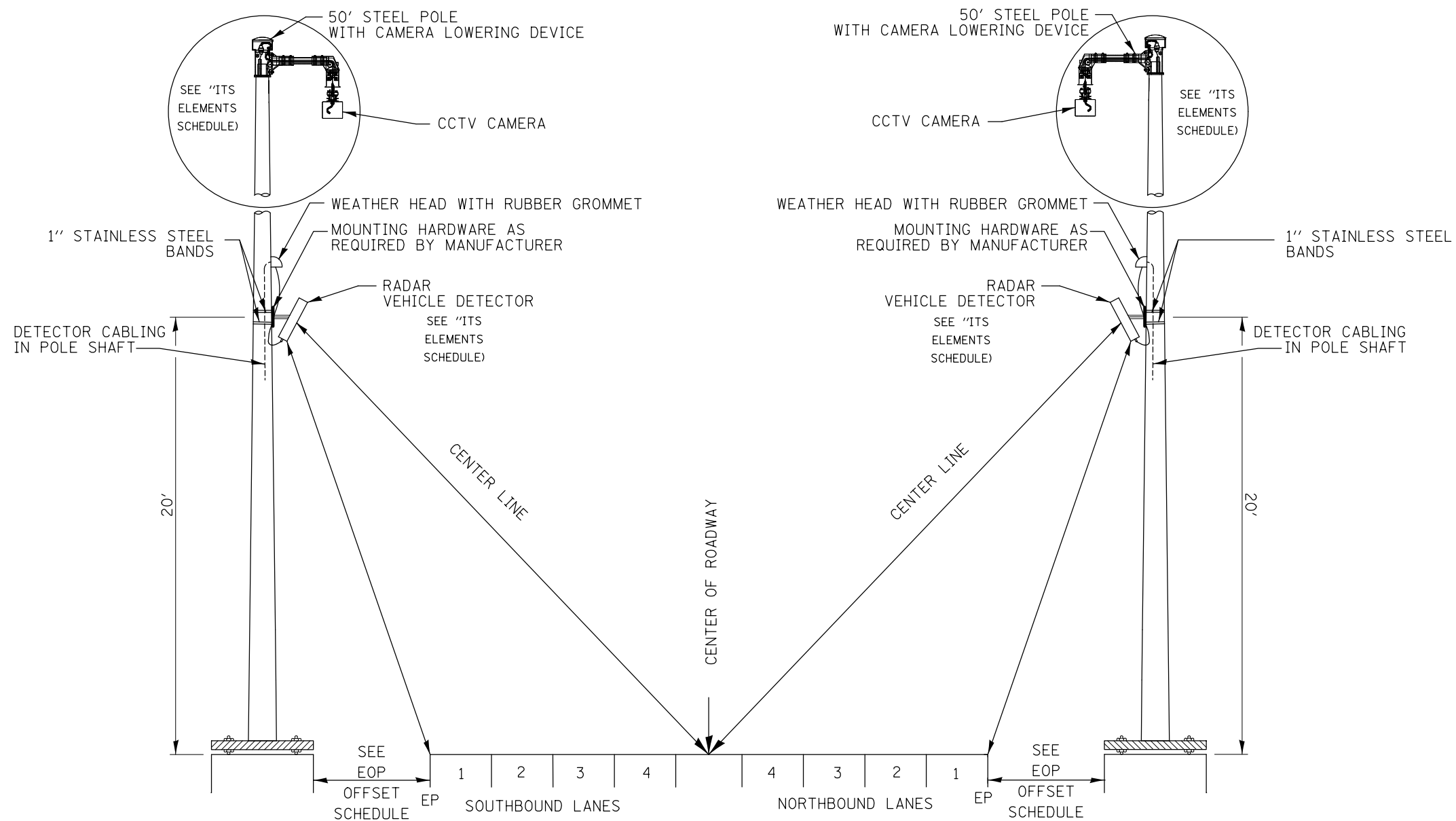
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 11/25/2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

POLE MOUNTED CCTV DETAIL WITH
CAMERA LOWERING DEVICE 2 OF 2

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/70	DIST 8 ITS 2014-1	MADISON	44	8
CONTRACT NO.76G08				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



**DETAIL
CCTV & RADAR VEHICLE DETECTOR**

NOT TO SCALE

LOCATIONS:

ITS ELEMENTS SCHEDULE			
ELEMENT	STA.	EOP OFFSET	# OF LANES
RADAR DETECTION			
005522.0S.99R	1148+69 RT (SB)	30'	4
CAMERA			
557017.0A.36C	832+80 RT (NB)	O.E.50'L.D.	N/A
557017.6A.37C	1375+00 LT (NB)	O.E.50'L.D.	N/A
557019.1A.38C	1294+50 RT (SB)	O.E.50'L.D.	N/A
005519.7A.39C	1263+75 LT (NB)	O.E.50'L.D.	N/A
005522.0A.60C	1148+69 RT (SB)	30'-O.P.50'L.D.	N/A

O.E.50'L.D.=ON EXISTING 50' STEEL POLE WITH CAMERA LOWERING DEVICE
O.P.50'L.D.=ON PROPOSED 50' STEEL POLE WITH CAMERA LOWERING DEVICE

		CONCRETE FOUNDATION		
LIGHT POLE MOUNTING HEIGHT	BOLT CIRCLE DIAMETER	SHAFT DIAMETER	SHAFT DEPTH	ANCHOR ROD LENGTH *
15.2 m (50')	508 mm (20")	762mm (30")	3.35m (11'-0")	1.4 m (4'-6")

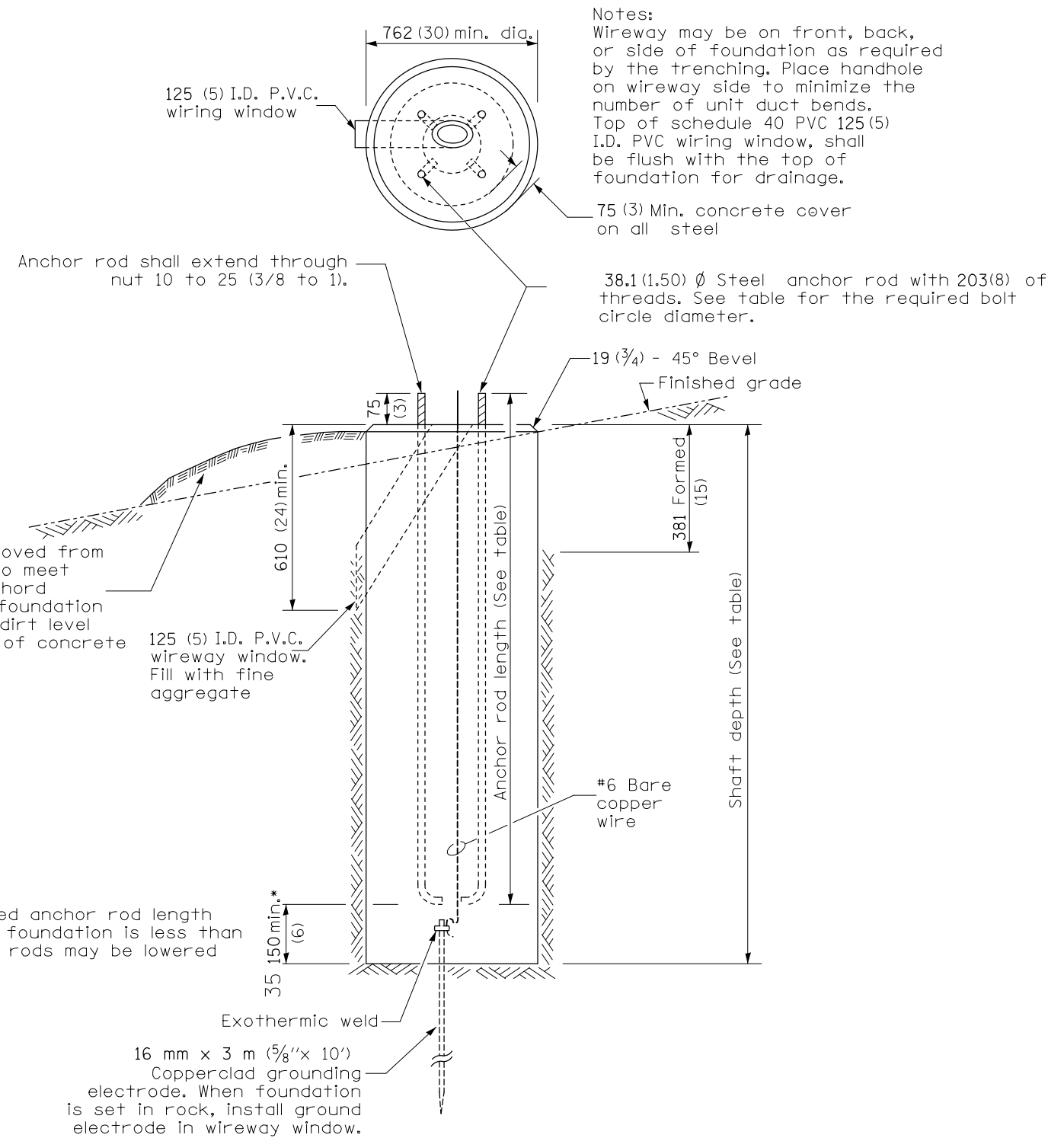
* Length does not include 152 (6)hook

Notes:

All foundations are designed to be located on slopes not exceeding 2:1 where soils have an unconfined compressive strength of at least 1.0 TSF. The contractor shall verify the soil strength during drilling for concrete foundations or by monitoring installation resistance on steel foundations and notify the engineer if other conditions are encountered.

ITS ELEMENTS SCHEDULE			
ITS ELEMENT	STA.	EOP OFFSET	SHAFT DEPTH
005522.OS.99R	1148+69 RT (SB)	30'	11'-0"
005522.OA.60C	1148+69 RT (SB)		

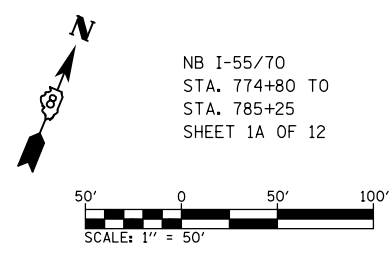
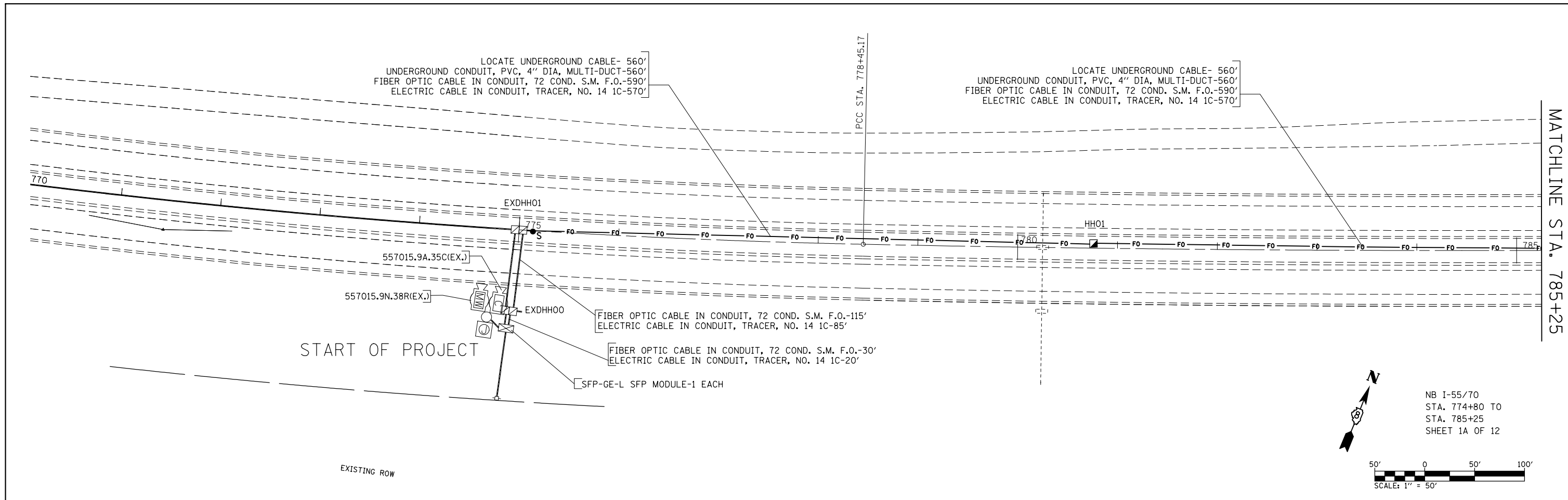
PROPOSED DETECTOR AND CAMERA MOUNTED ON A 50' STEEL POLE WITH CAMERA LOWERING DEVICE



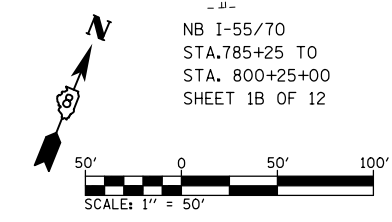
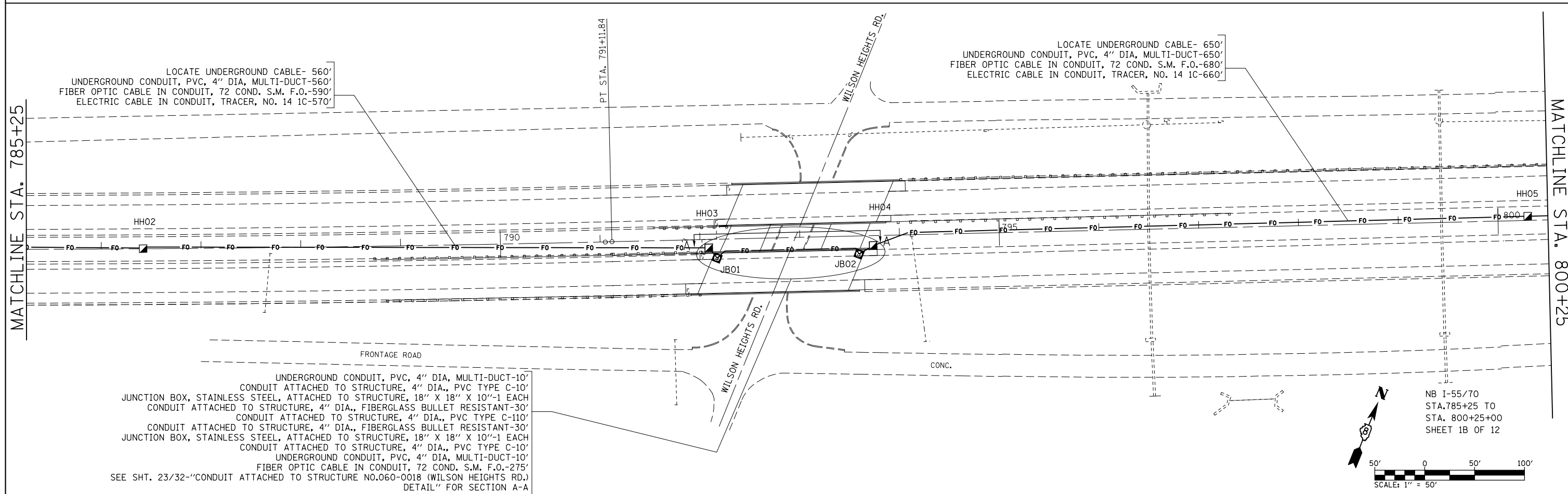
* If the required anchor rod length above top of foundation is less than 75 (3), anchor rods may be lowered below 150 (6)

CONCRETE FOUNDATION

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHT POLE FOUNDATION DETAILS			F.A.I. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
et:\pw\work\p\dot\prestonme\d0320429\d076g08-shr-ITS.dgn	PLOT SCALE = 100.0000' / in.	DRAWN -	REVISED -					55/70	DIST 8 ITS 2014-1	MADISON	44	10
	PLOT DATE = 11/25/2013	CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO.76G08				
		DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

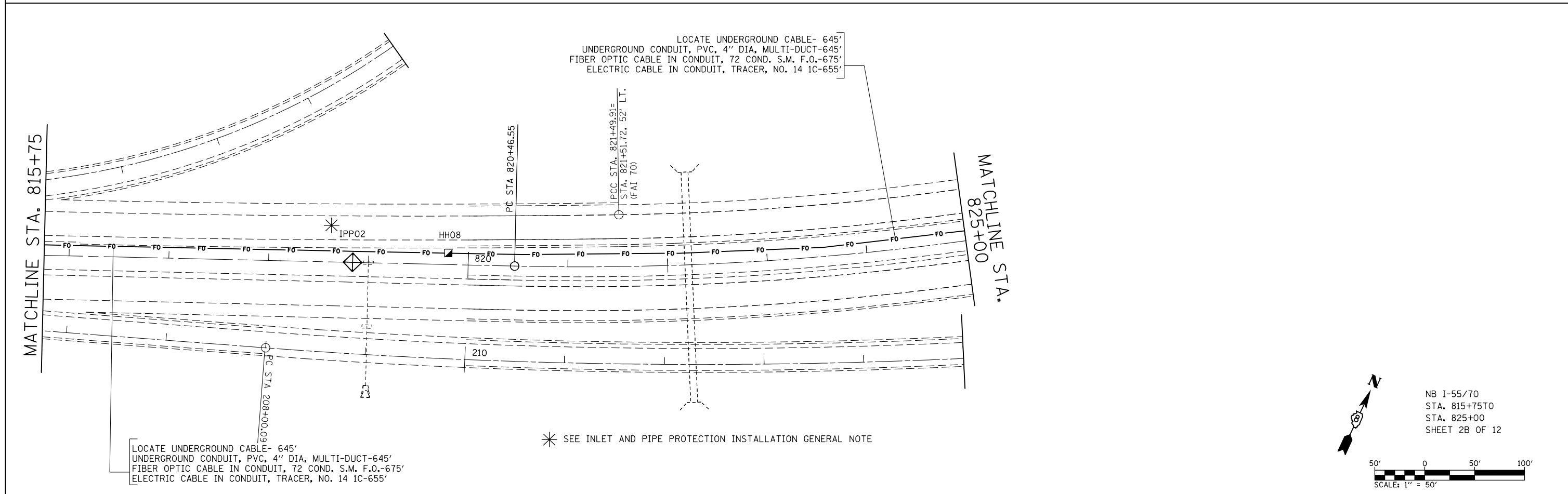
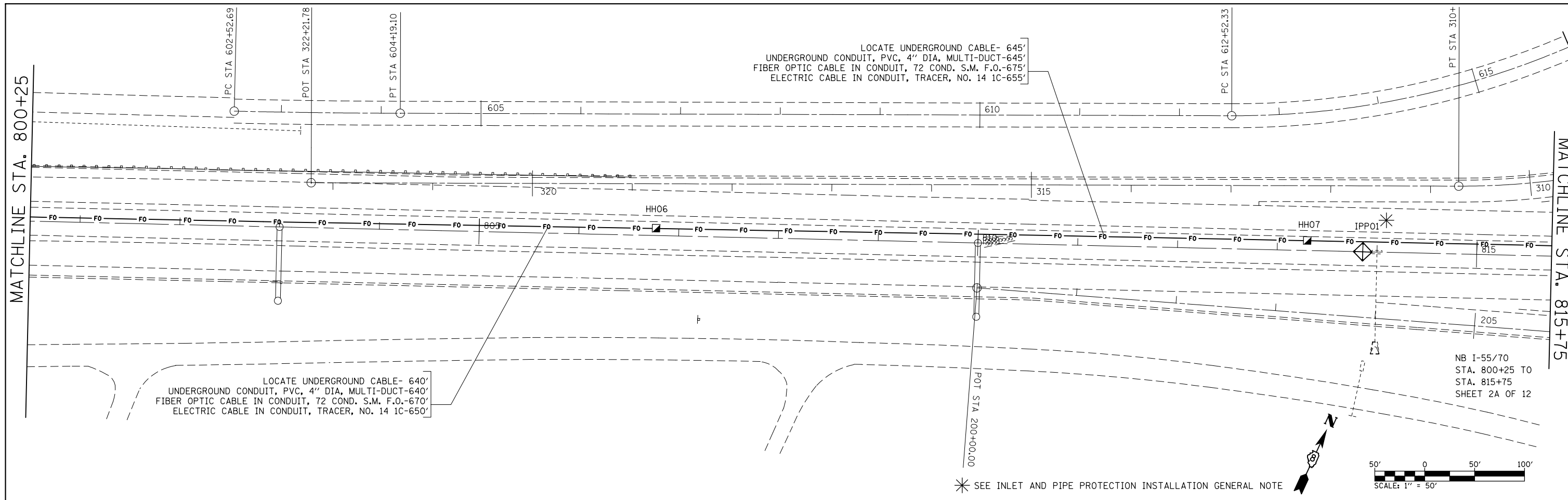


NB I-55/70
 STA. 774+80 TO
 STA. 785+25
 SHEET 1A OF 12

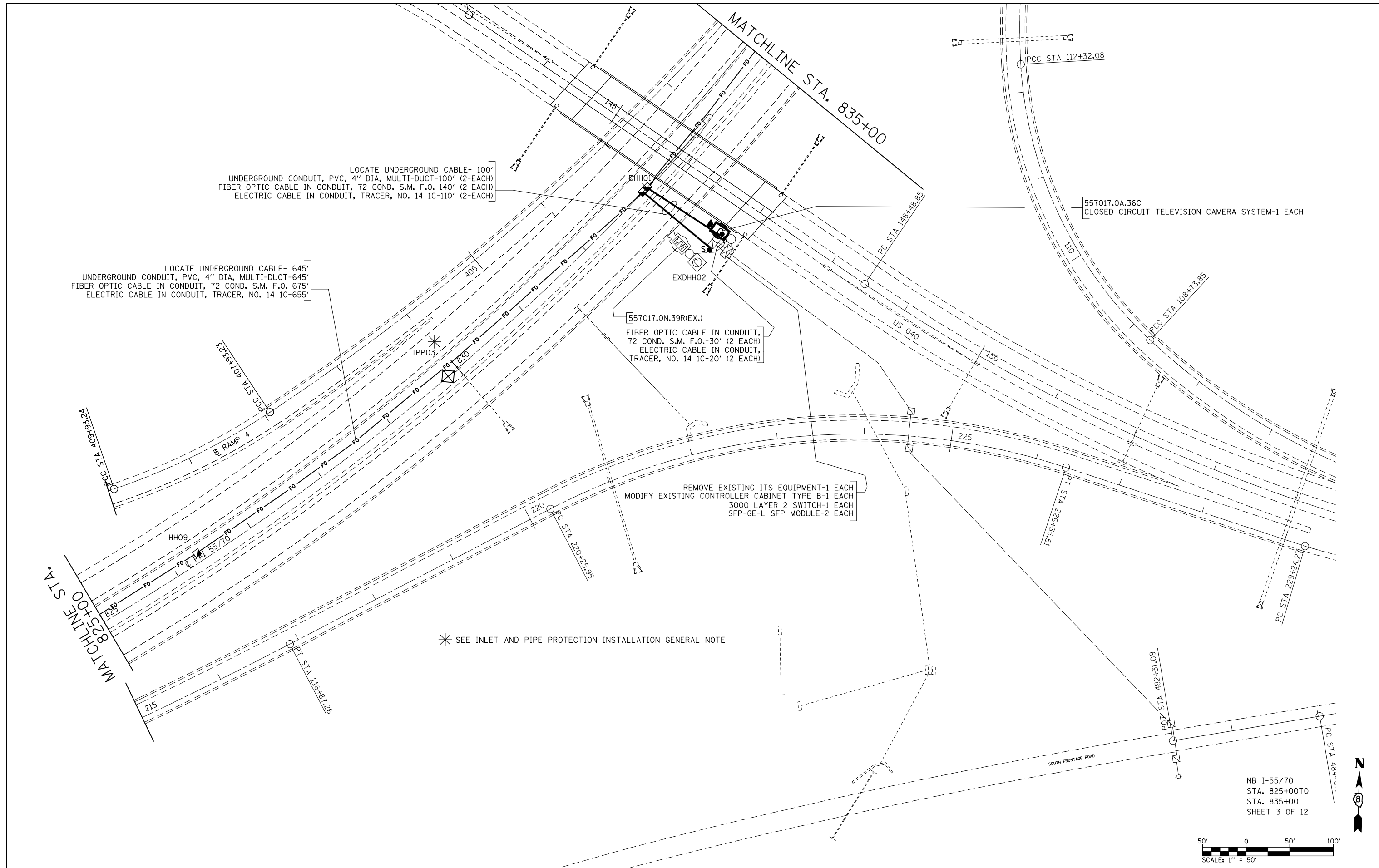


NB I-55/70
 STA. 785+25 TO
 STA. 800+25+00
 SHEET 1B OF 12

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ITS PLAN 1A & 1B OF 12				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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		CHECKED -	REVISED -		CONTRACT NO.76G08									
		DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT									



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ITS PLAN 2A & 2B OF 12			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
et:\pwork\pwork\prestonme\d0320429\d076g08-shr-ITS.dgn		DRAWN -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	55/70	DIST 8 ITS 2014-1	MADISON	44	12
	PLOT SCALE = 100.0000' / 1".	CHECKED -	REVISED -		CONTRACT NO. 76G08									
	PLOT DATE = 10/17/2013	DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT									



LOCATE UNDERGROUND CABLE- 100'
 UNDERGROUND CONDUIT, PVC, 4" DIA, MULTI-DUCT-100' (2-EACH)
 FIBER OPTIC CABLE IN CONDUIT, 72 COND. S.M. F.O.-140' (2-EACH)
 ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C-110' (2-EACH)

LOCATE 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'

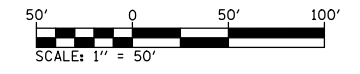
557017.0N.39R(EX.)
 FIBER OPTIC CABLE IN CONDUIT,
 72 COND. S.M. F.O.-30' (2 EACH)
 ELECTRIC CABLE IN CONDUIT,
 TRACER, NO. 14 1C-20' (2 EACH)

REMOVE EXISTING ITS EQUIPMENT-1 EACH
 MODIFY EXISTING CONTROLLER CABINET TYPE B-1 EACH
 3000 LAYER 2 SWITCH-1 EACH
 SFP-GE-L SFP MODULE-2 EACH

* SEE INLET AND PIPE PROTECTION INSTALLATION GENERAL NOTE

557017.0A.36C
 CLOSED CIRCUIT TELEVISION CAMERA SYSTEM-1 EACH

NB I-55/70
 STA. 825+00 TO
 STA. 835+00
 SHEET 3 OF 12

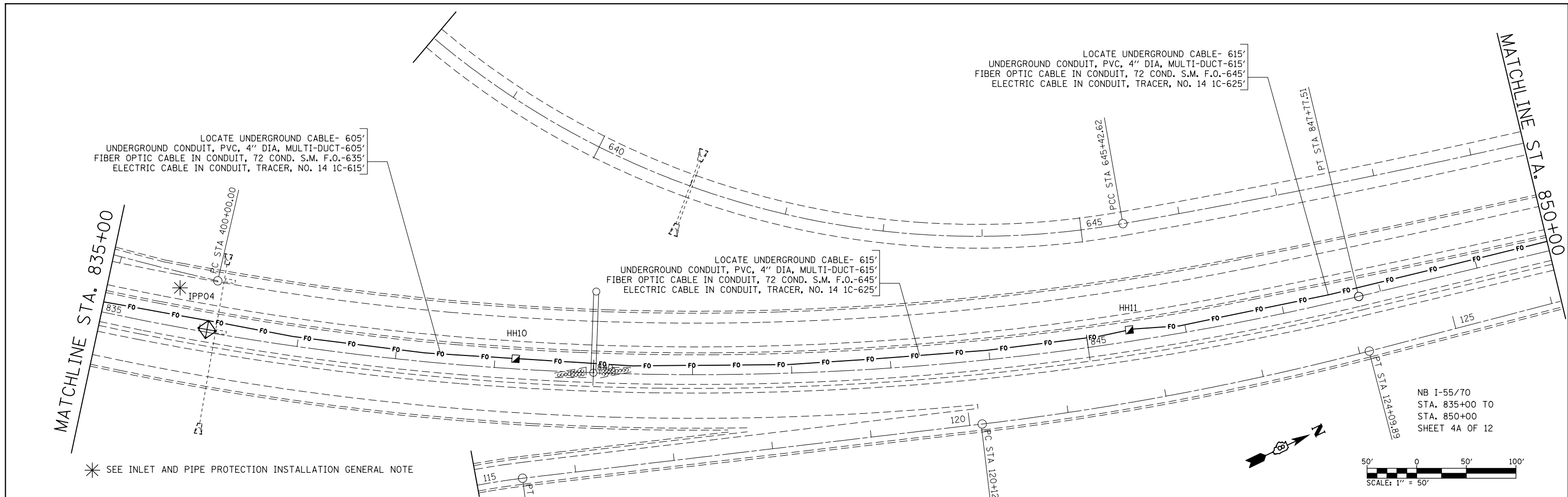


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	PLOT DATE = 10/17/2013	DATE -	REVISED -

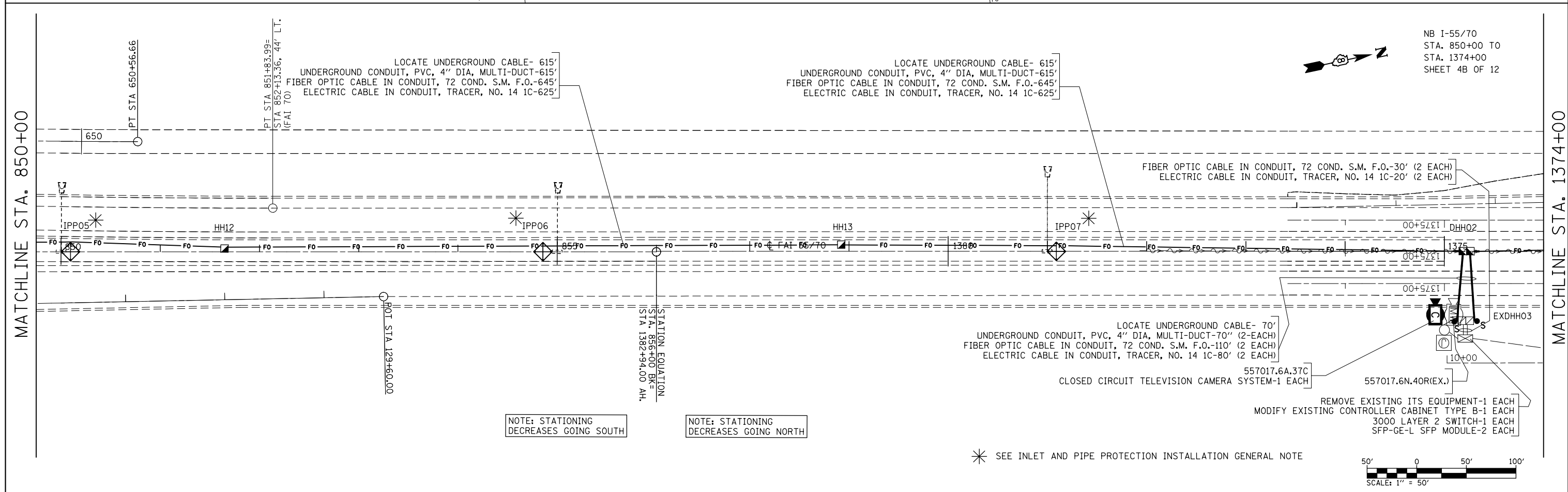
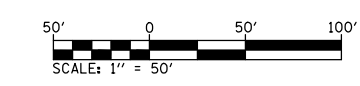
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ITS PLAN 3 OF 12				
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/70	DIST 8 ITS 2014-1	MADISON	44	13
CONTRACT NO.76G08				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



* SEE INLET AND PIPE PROTECTION INSTALLATION GENERAL NOTE



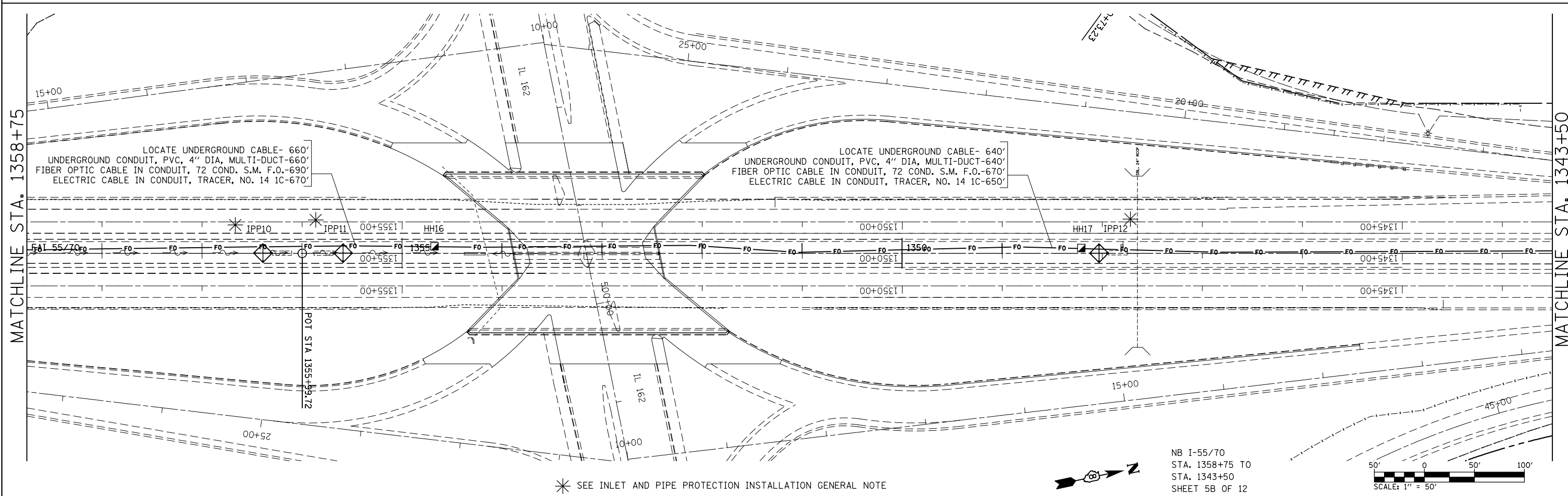
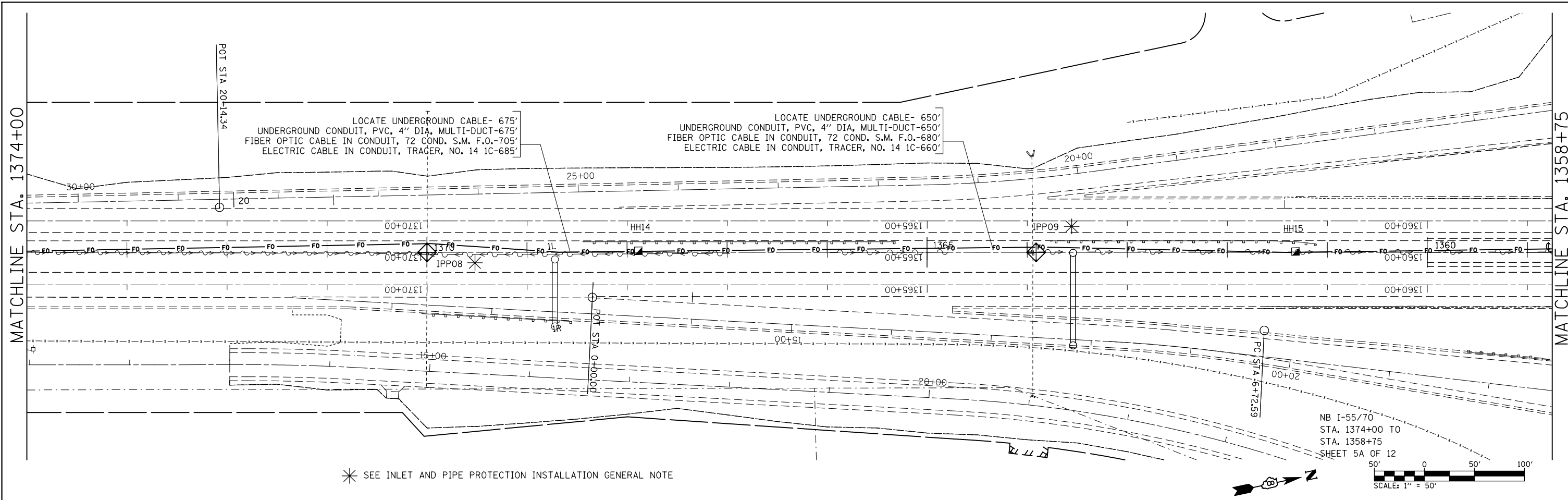
NOTE: STATIONING DECREASES GOING SOUTH

NOTE: STATIONING DECREASES GOING NORTH

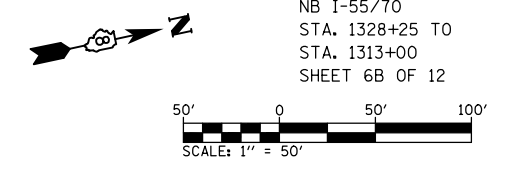
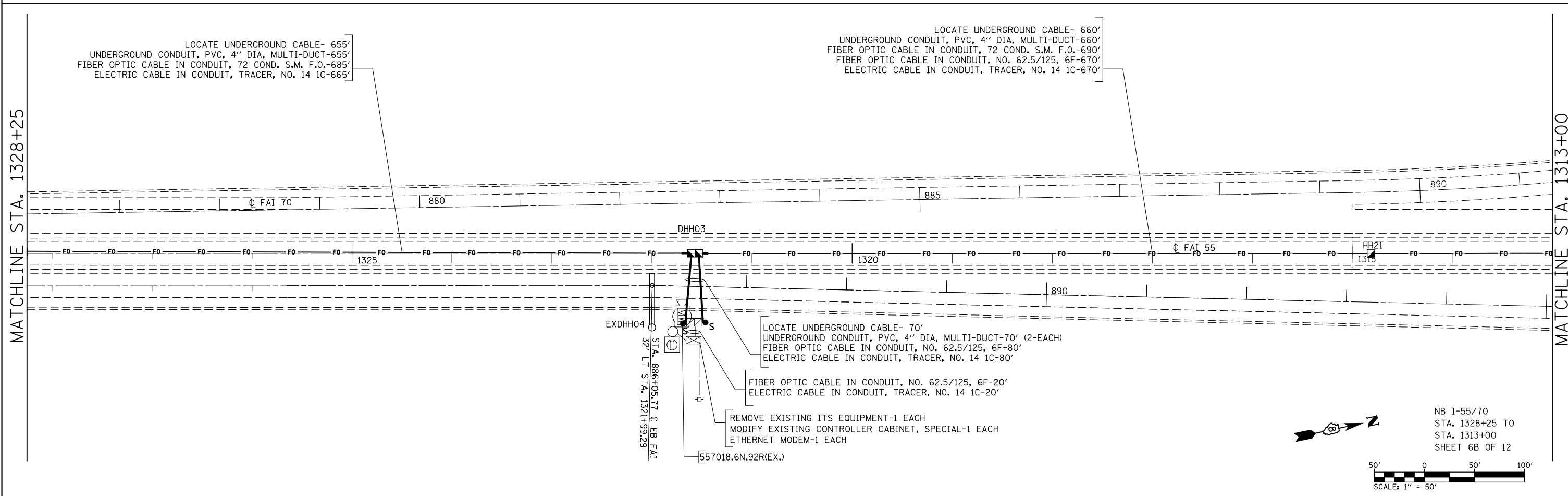
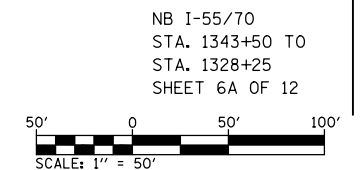
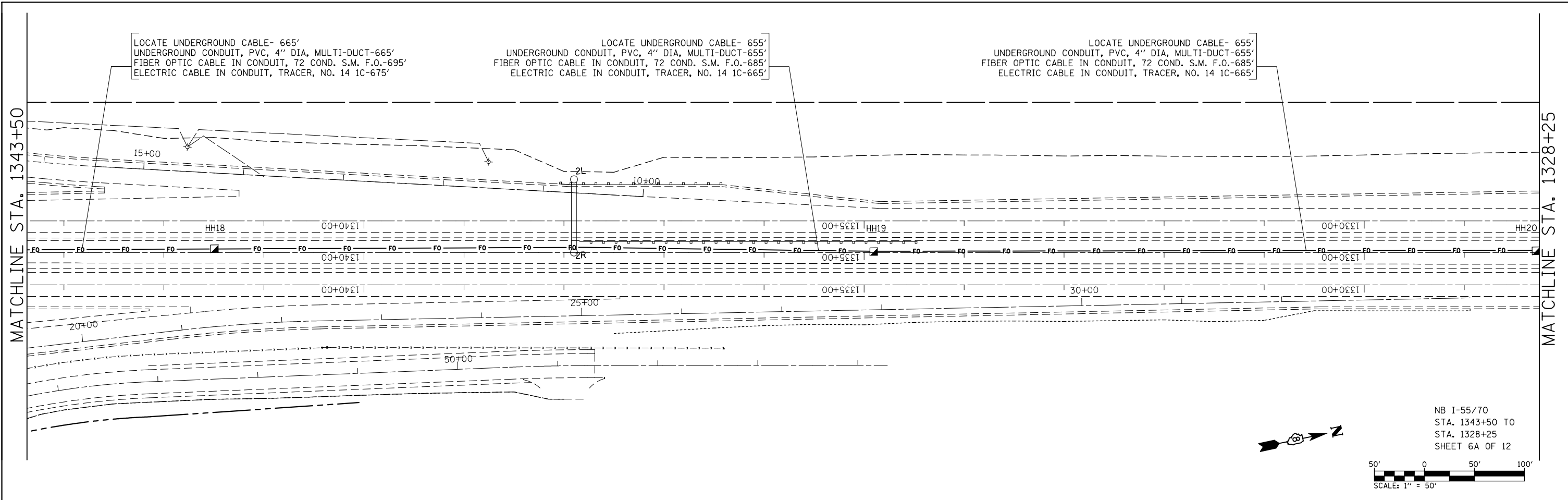
* SEE INLET AND PIPE PROTECTION INSTALLATION GENERAL NOTE



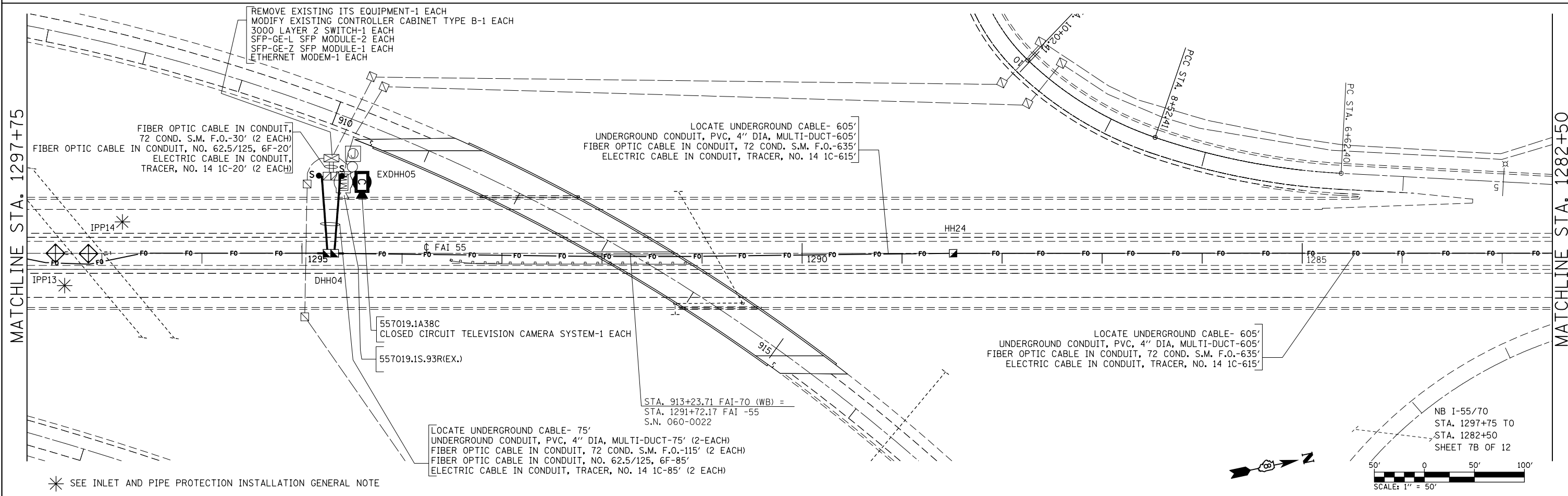
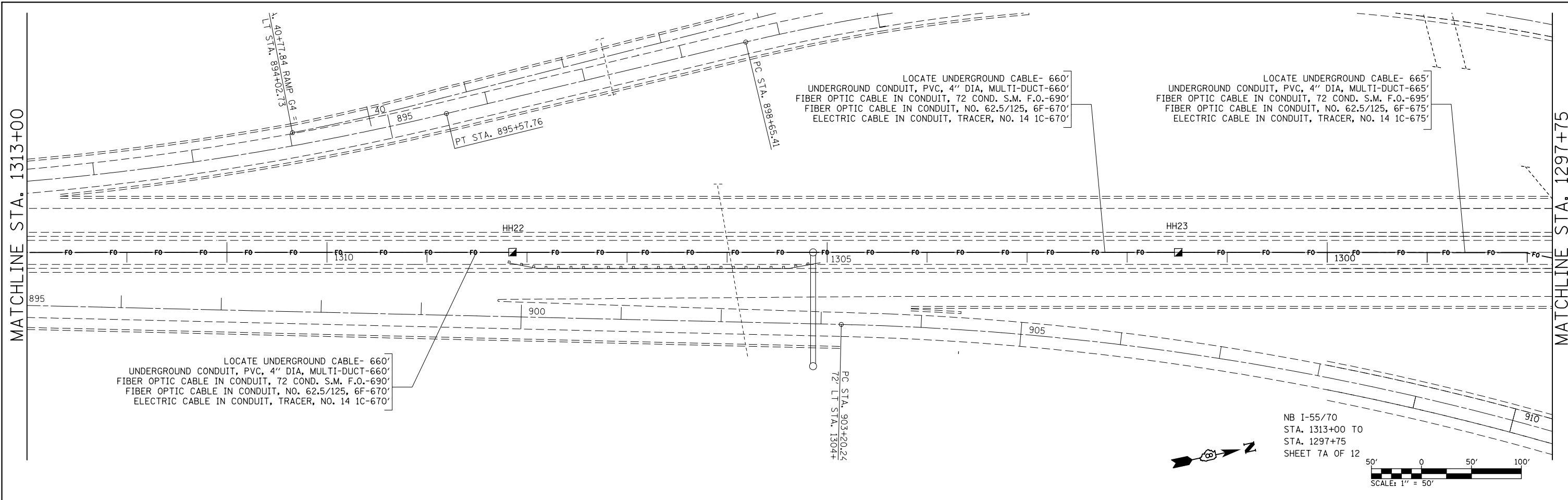
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PLOT DATE = 10/17/2013	DATE -	CHECKED -	REVISED -		CONTRACT NO.76G08							
		DATE -	REVISED -		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT					



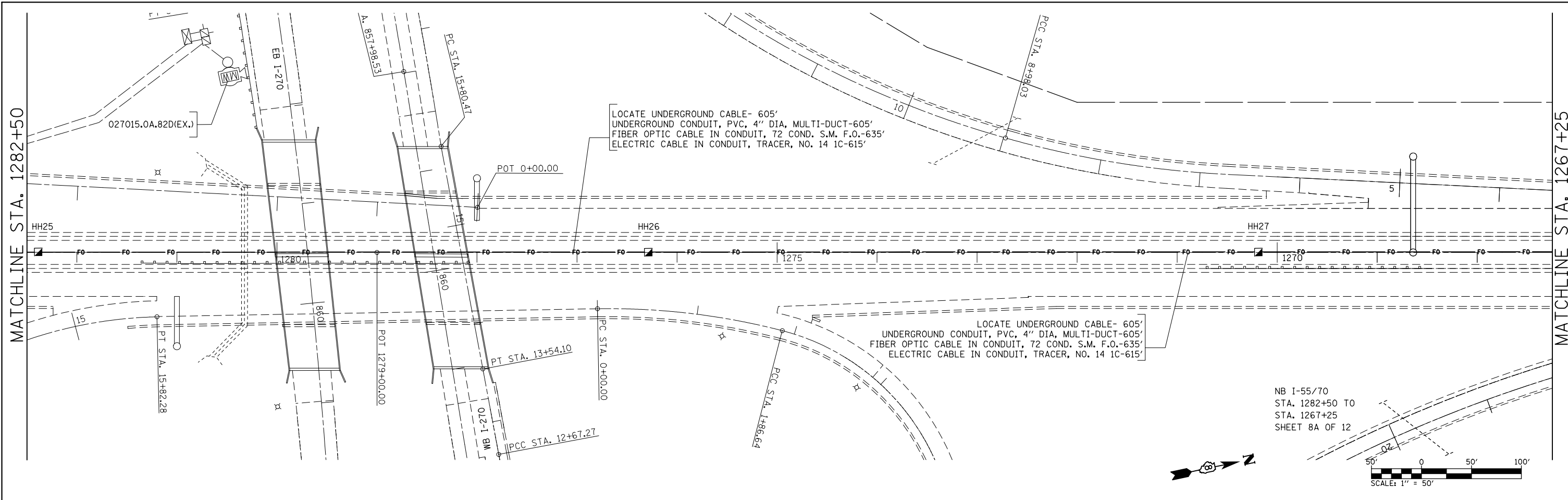
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		CHECKED -	REVISED -								CONTRACT NO.76G08				
		DATE -	REVISED -								FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



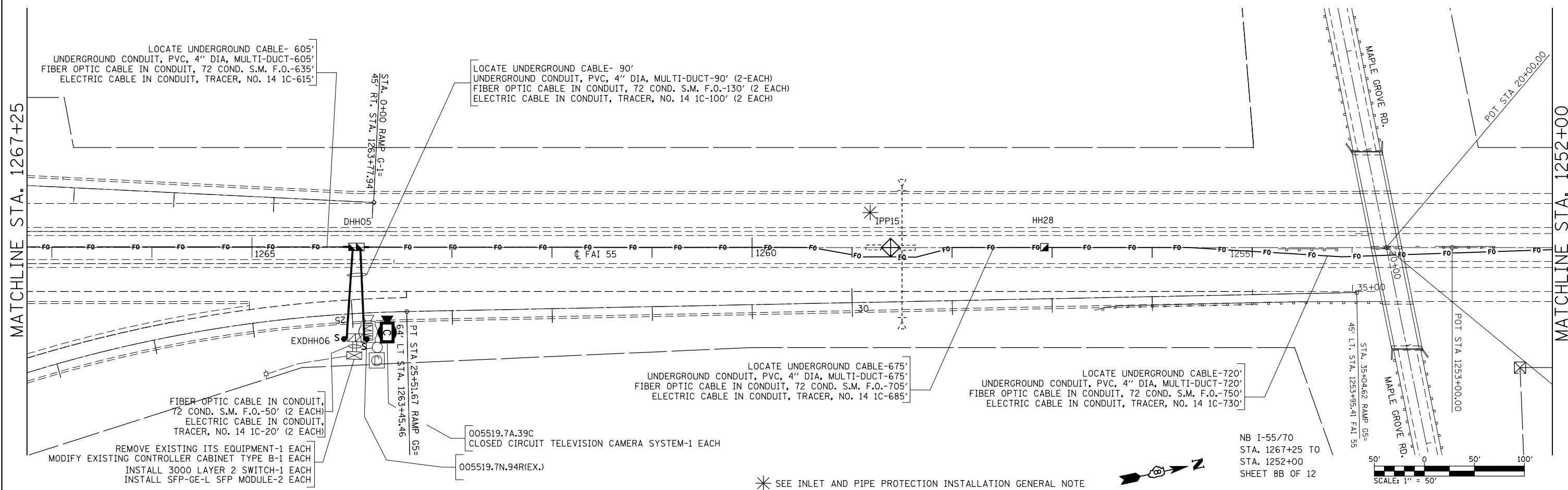
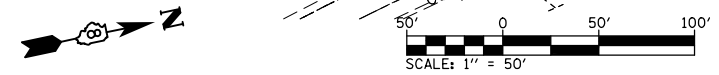
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	PLOT DATE = 10/17/2013	CHECKED -	REVISED -		CONTRACT NO.76G08							
		DATE -	REVISED -		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT					



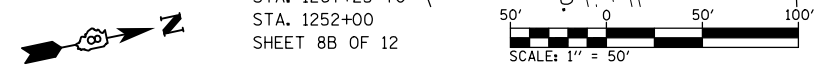
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		CHECKED -	REVISED -						CONTRACT NO.76G08						
		DATE -	REVISED -						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT						



NB I-55/70
 STA. 1282+50 TO
 STA. 1267+25
 SHEET 8A OF 12



NB I-55/70
 STA. 1267+25 TO
 STA. 1252+00
 SHEET 8B OF 12



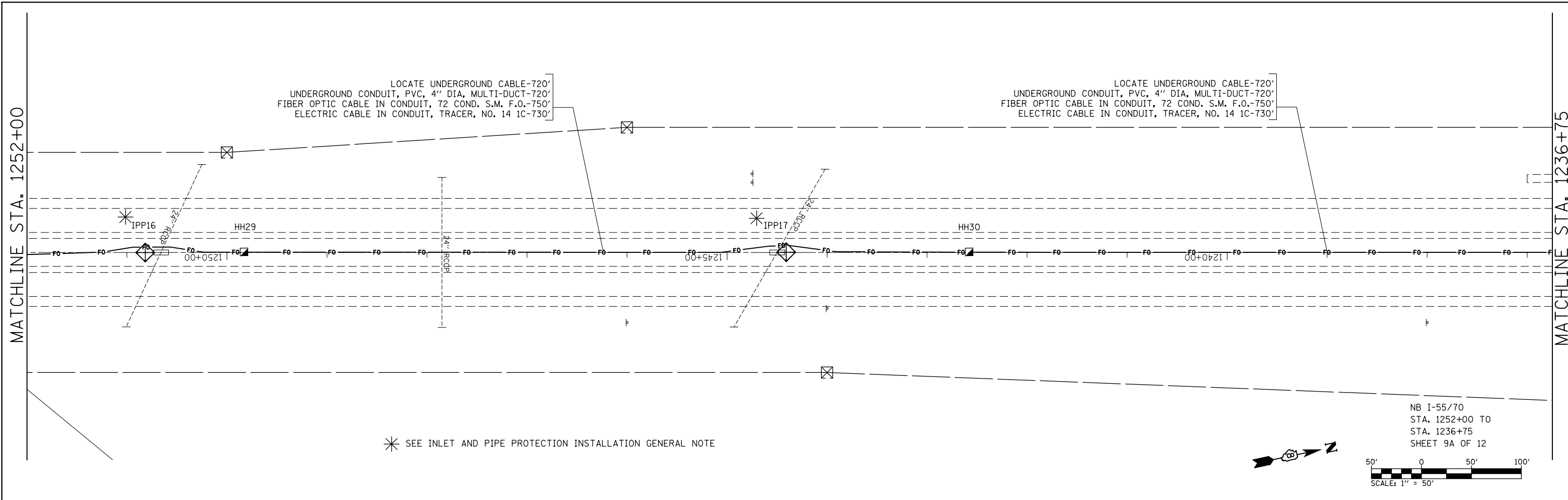
* SEE INLET AND PIPE PROTECTION INSTALLATION GENERAL NOTE

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

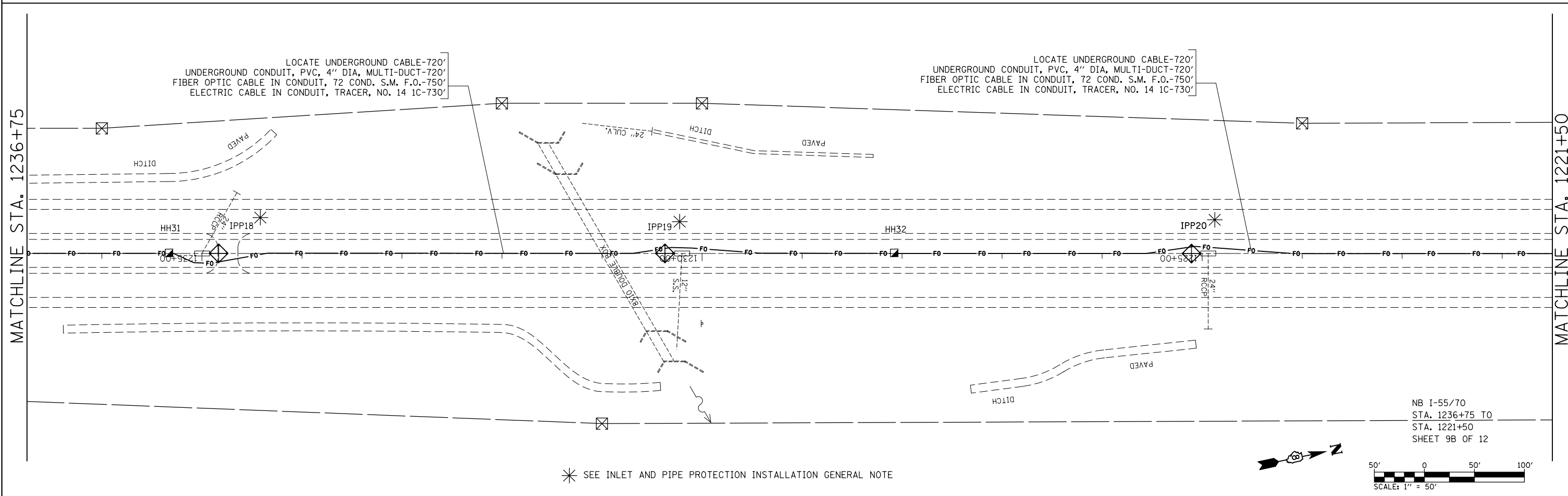
ITS PLAN 8A & 8B OF 12				
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/70	DIST 8 ITS 2014-1	MADISON	44	18
CONTRACT NO.76G08				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



* SEE INLET AND PIPE PROTECTION INSTALLATION GENERAL NOTE

NB I-55/70
 STA. 1252+00 TO
 STA. 1236+75
 SHEET 9A OF 12



* SEE INLET AND PIPE PROTECTION INSTALLATION GENERAL NOTE

NB I-55/70
 STA. 1236+75 TO
 STA. 1221+50
 SHEET 9B OF 12

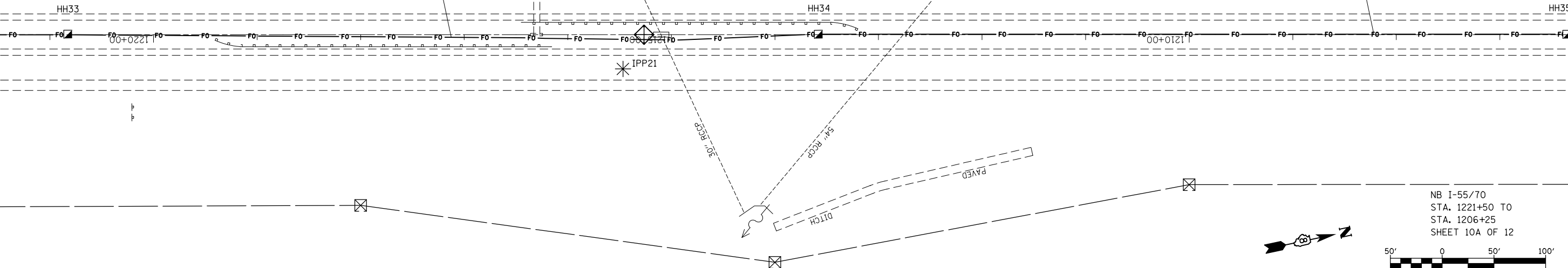
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	PLOT DATE = 10/17/2013	DATE -	REVISED -		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT					

MATCHLINE STA. 1221+50

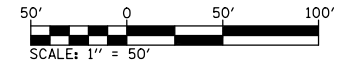
MATCHLINE STA. 1206+25

LOCATE UNDERGROUND CABLE-720'
UNDERGROUND CONDUIT, PVC, 4" DIA, MULTI-DUCT-720'
FIBER OPTIC CABLE IN CONDUIT, 72 COND. S.M. F.O.-750'
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C-730'

LOCATE UNDERGROUND CABLE-715'
UNDERGROUND CONDUIT, PVC, 4" DIA, MULTI-DUCT-715'
FIBER OPTIC CABLE IN CONDUIT, 72 COND. S.M. F.O.-745'
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C-725'



NB I-55/70
STA. 1221+50 TO
STA. 1206+25
SHEET 10A OF 12

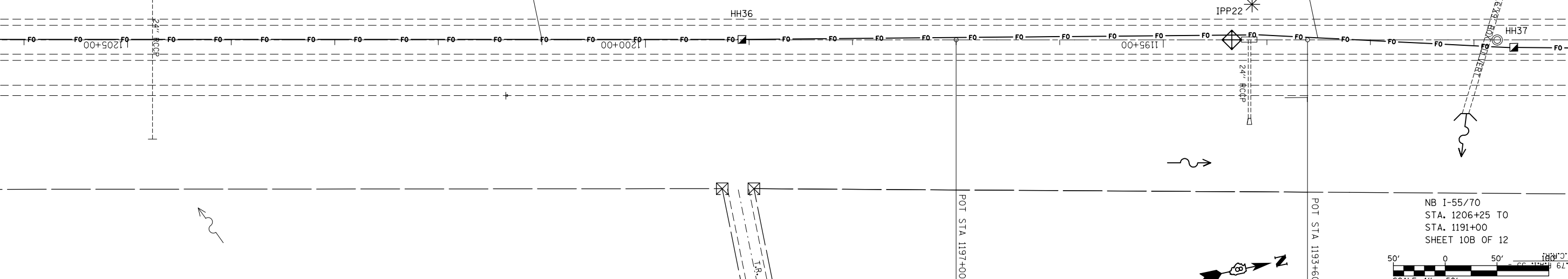


MATCHLINE STA. 1206+25

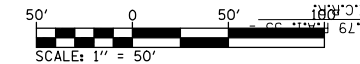
MATCHLINE STA. 1191+00

LOCATE UNDERGROUND CABLE-720'
UNDERGROUND CONDUIT, PVC, 4" DIA, MULTI-DUCT-720'
FIBER OPTIC CABLE IN CONDUIT, 72 COND. S.M. F.O.-750'
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C-730'

LOCATE UNDERGROUND CABLE-740'
UNDERGROUND CONDUIT, PVC, 4" DIA, MULTI-DUCT-740'
FIBER OPTIC CABLE IN CONDUIT, 72 COND. S.M. F.O.-770'
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C-750'



NB I-55/70
STA. 1206+25 TO
STA. 1191+00
SHEET 10B OF 12



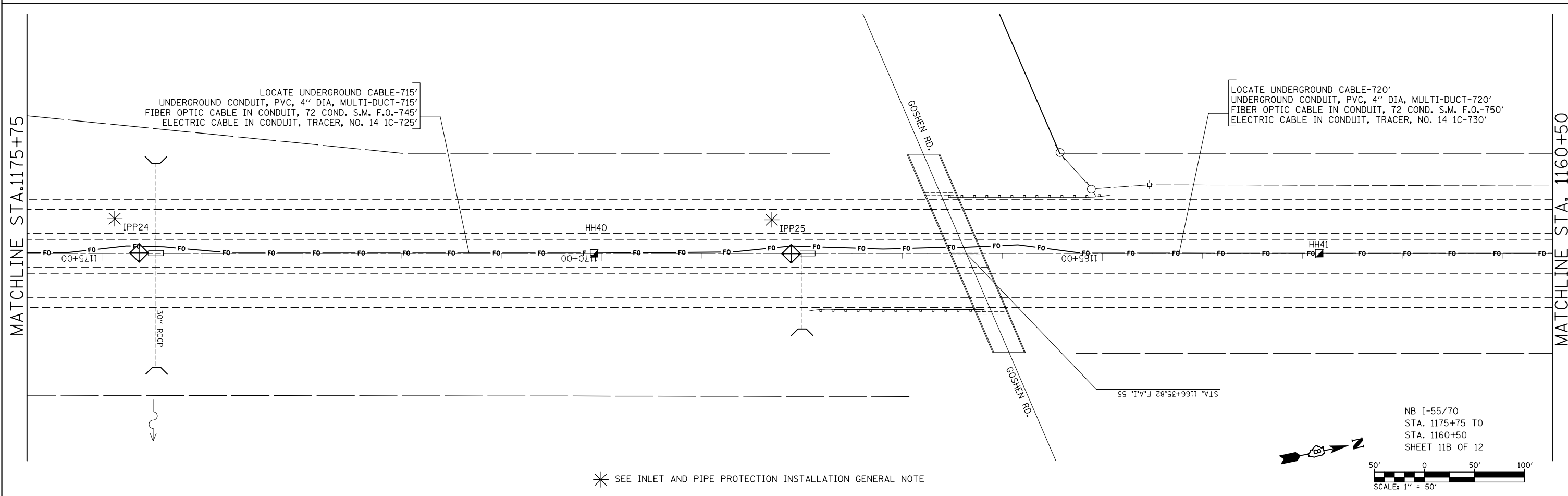
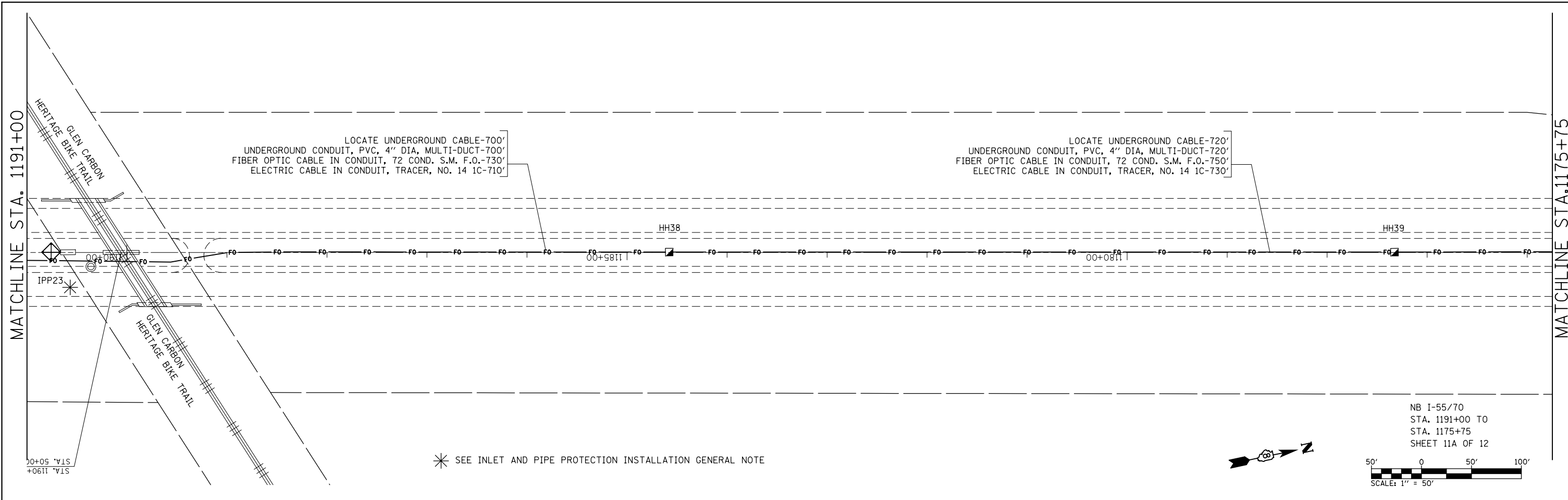
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

ITS PLAN 10A & 10B OF 12

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/70	DIST 8 ITS 2014-1	MADISON	44	20
CONTRACT NO. 76G08				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



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PLOT DATE = 10/17/2013		DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								

MATCHLINE STA. 1160+50

LOCATE UNDERGROUND CABLE-720'
UNDERGROUND CONDUIT, PVC, 4" DIA, MULTI-DUCT-720'
FIBER OPTIC CABLE IN CONDUIT, 72 COND. S.M. F.O.-750'
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C-730'

LOCATE UNDERGROUND CABLE-720'
UNDERGROUND CONDUIT, PVC, 4" DIA, MULTI-DUCT-720'
FIBER OPTIC CABLE IN CONDUIT, 72 COND. S.M. F.O.-750'
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C-730'

LOCATE UNDERGROUND CABLE- 40'
UNDERGROUND CONDUIT, PVC, 3" DIA-40'
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 3 C-51'
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, 6F-51'

CONCRETE FOUNDATIONS (SPECIAL)-1 EACH
CONTROLLER CABINET TYPE III, SPECIAL-1 EACH
3000 LAYER 2 SWITCH-1 EACH
SFP-GE-L SFP MODULE-1 EACH
SFP-GE-Z SFP MODULE-1 EACH
ETHERNET MODEM-1 EACH

ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 3 C-21'
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, 6F-21'
REMOVE EXISTING ITS EQUIPMENT-1 EACH
MODIFY EXISTING CONTROLLER CABINET, SPECIAL-1 EACH
ETHERNET MODEM-1 EACH

UNDERGROUND CONDUIT, PVC, 3" DIA.-10'
CABLES PROVIDED WITH:
-CLOSED CIRCUIT TELEVISION CAMERA SYSTEM
-RADAR VEHICLE DETECTION SYSTEM

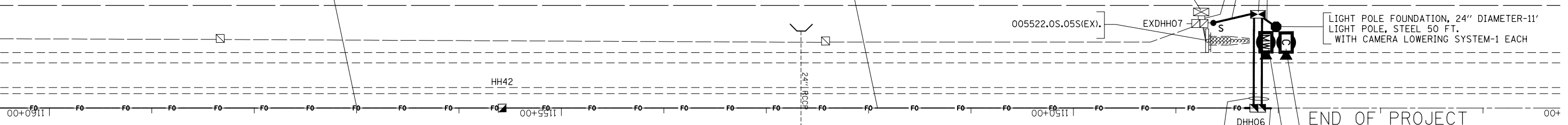
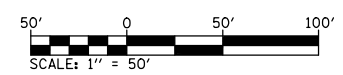
LIGHT POLE FOUNDATION, 24" DIAMETER-11'
LIGHT POLE, STEEL 50 FT.
WITH CAMERA LOWERING SYSTEM-1 EACH

005522.0A.60C
CLOSED CIRCUIT TELEVISION CAMERA SYSTEM-1 EACH

05522.0S.99R
RADAR VEHICLE DETECTION SYSTEM-1 EACH

LOCATE UNDERGROUND CABLE- 85'
UNDERGROUND CONDUIT, PVC, 4" DIA, MULTI-DUCT-85" (2-EACH)
FIBER OPTIC CABLE IN CONDUIT, 72 COND. S.M. F.O.-145'
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C-95'
UNDERGROUND CONDUIT, PVC, 4" DIA, MULTI-DUCT-5" CAPPED FOR FUTURE USE

NB I-55/70
STA. 1160+50 TO
STA. 1145+25
SHEET 12A OF 12



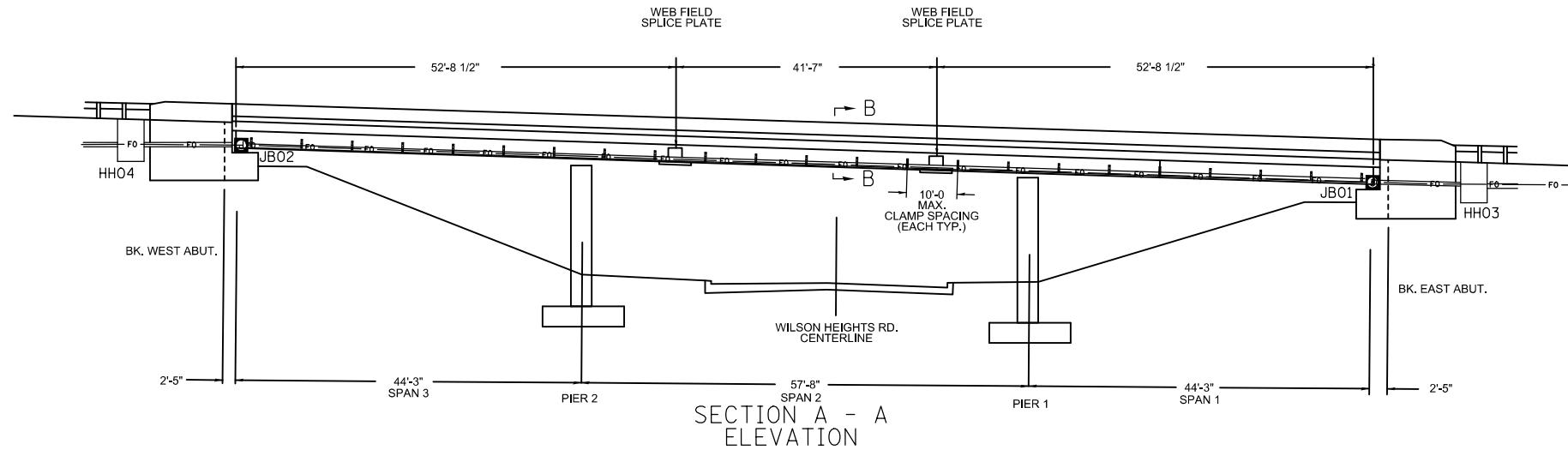
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

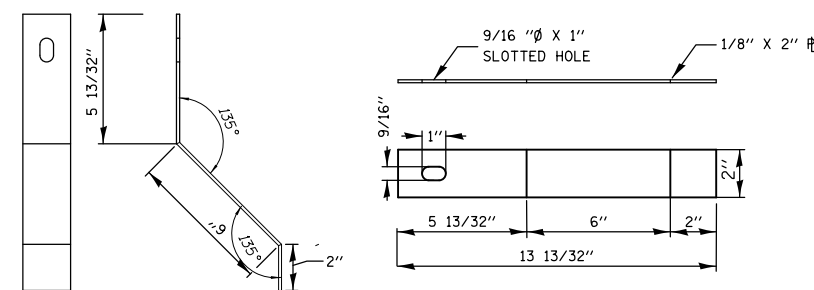
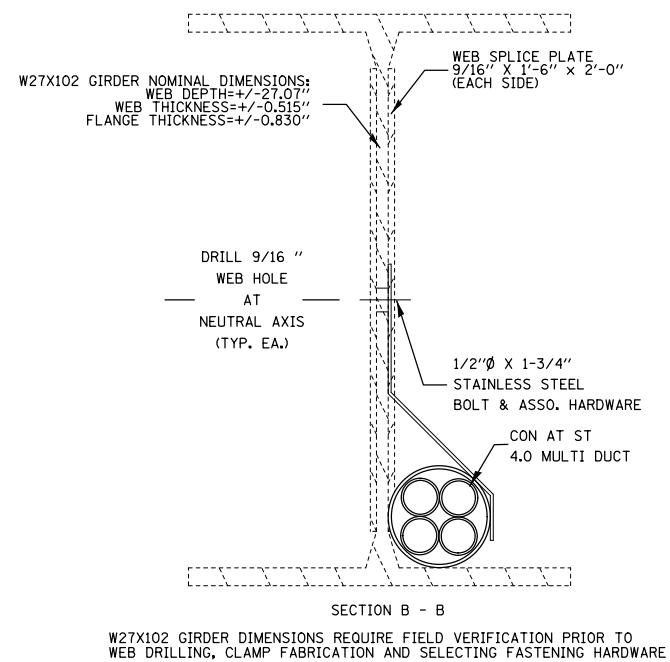
ITS PLAN 12A OF 12

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/70	DIST 8 ITS 2014-1	MADISON	44	22
CONTRACT NO.76G08				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



THE COST OF GIRDER DRILLING, FURNISHING AND INSTALLING CLAMPS AND CONFORMING CONDUIT AROUND AND/OR OVER STIFFENERS AND SPLICES SHALL BE INCLUDED IN THE UNIT PRICE OF THE CONDUIT ATTACHED TO STRUCTURE.



CLAMP MATERIAL MUST BE COMPATIBLE W/THE GIRDER MATERIAL

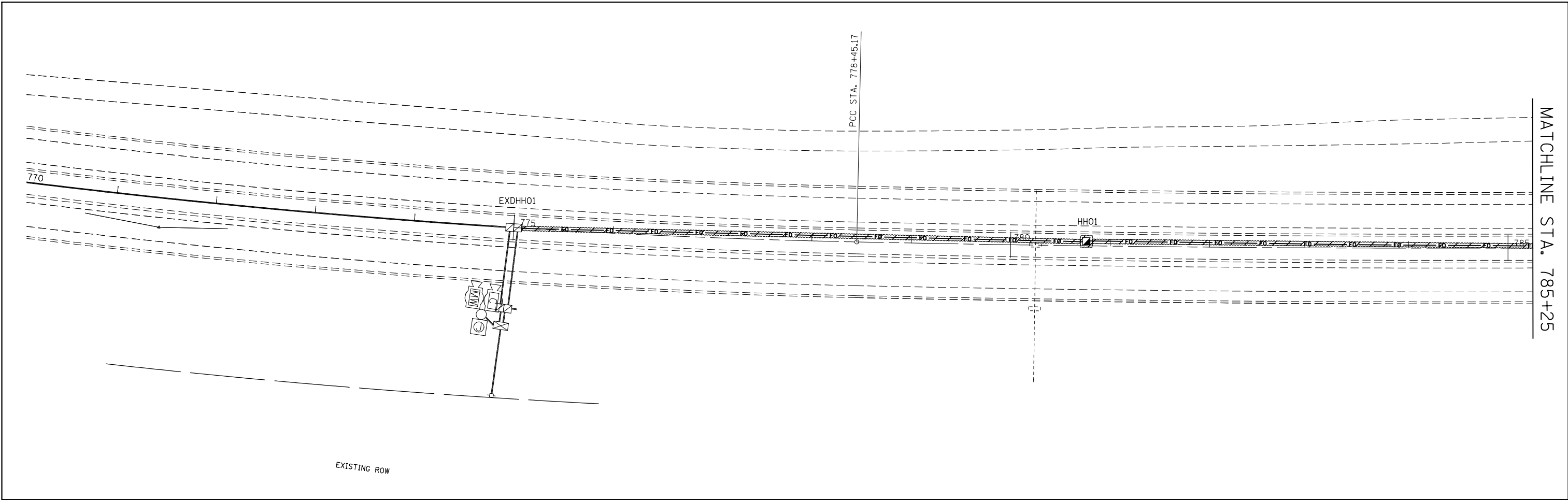
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	PLOT DATE = 10/17/2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

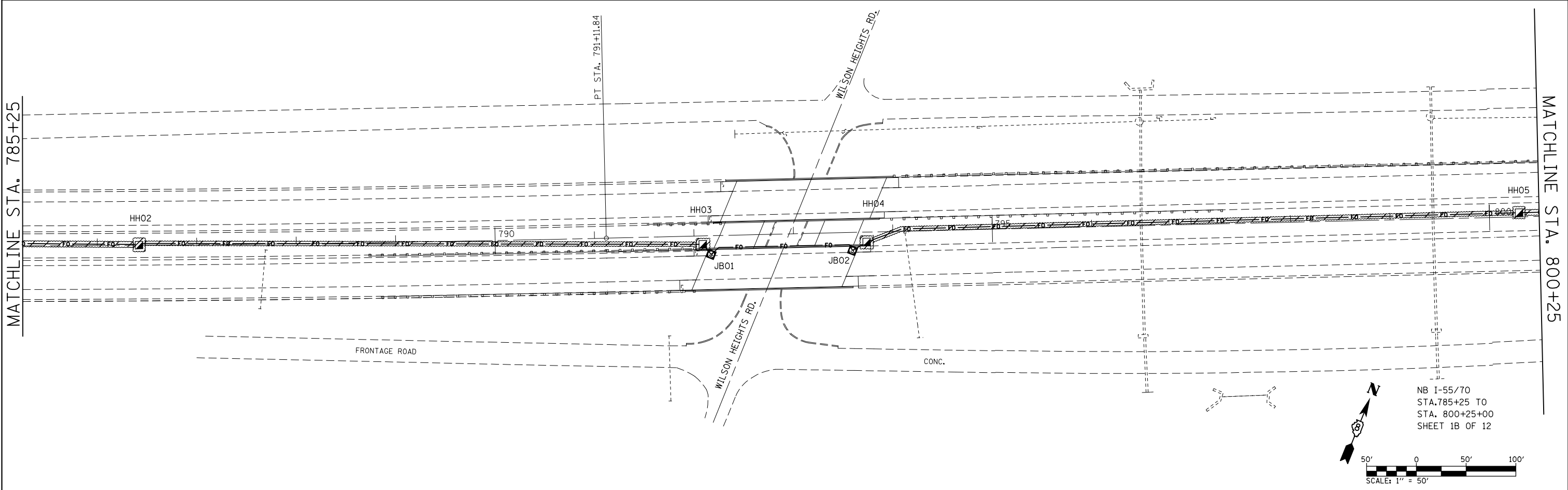
CONDUIT ATTACHED TO STRUCTURE NO.060-0018 (WILSON HEIGHTS RD.)
DETAIL

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/70	DIST 8 ITS 2014-1	MADISON	44	23
CONTRACT NO.76G08				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

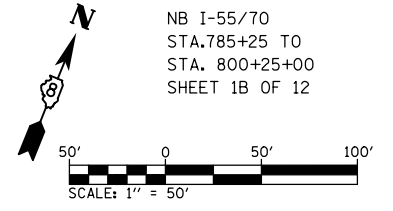


MATCHLINE STA. 785+25



MATCHLINE STA. 785+25

MATCHLINE STA. 800+25



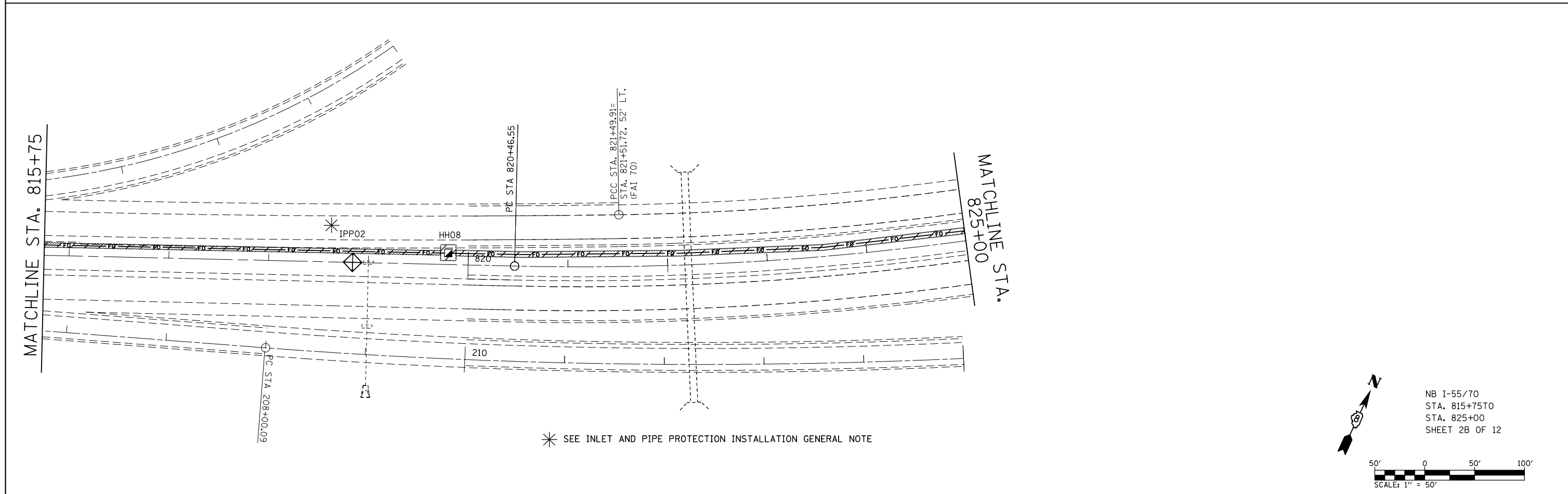
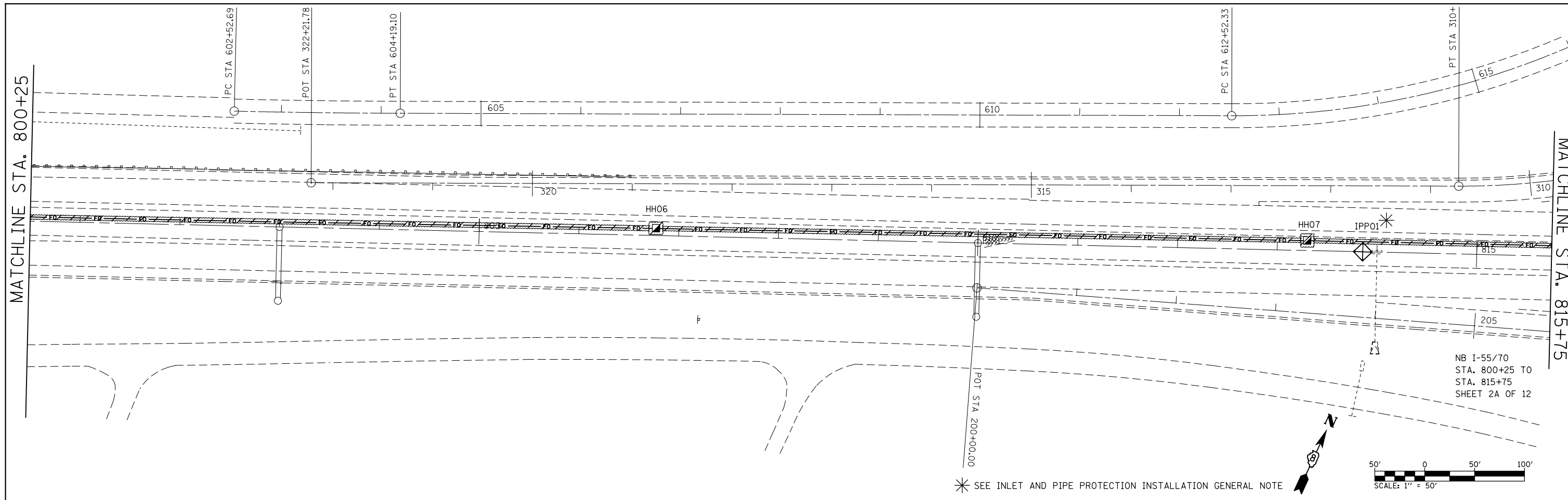
NB I-55/70
STA. 785+25 TO
STA. 800+25+00
SHEET 1B OF 12

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	PLOT DATE = 10/17/2013	DATE -	REVISED -

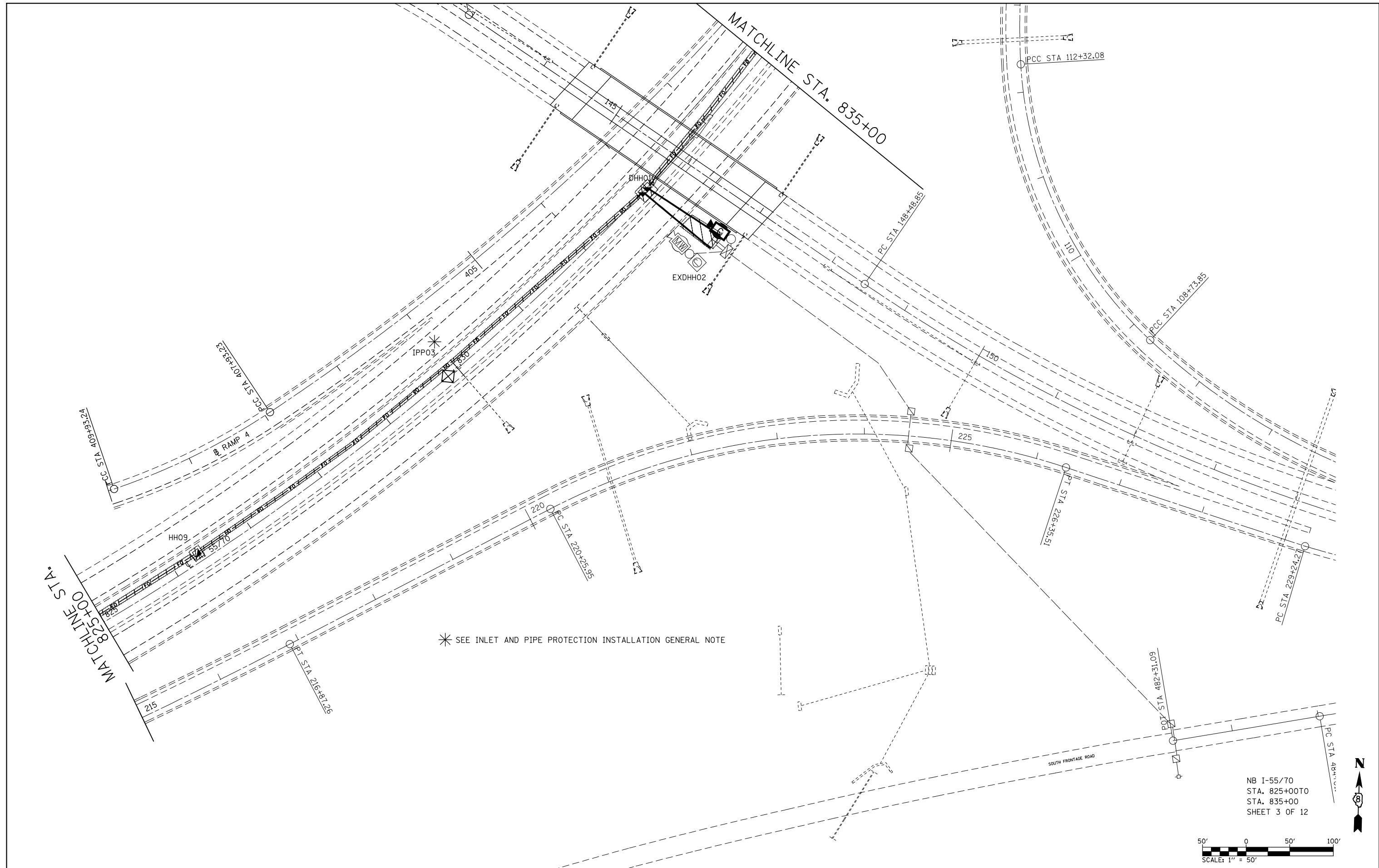
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN 1A & 1B OF 12			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

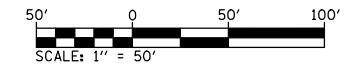
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55/70	DIST 8 ITS 2014-1	MADISON	44	24
CONTRACT NO. 76G08				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL PLAN 2A & 2B OF 12			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 10/17/2013	CHECKED -	REVISED -		CONTRACT NO. 76G08							
		DATE -	REVISED -		FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT					



NB I-55/70
 STA. 825+00T0
 STA. 835+00
 SHEET 3 OF 12



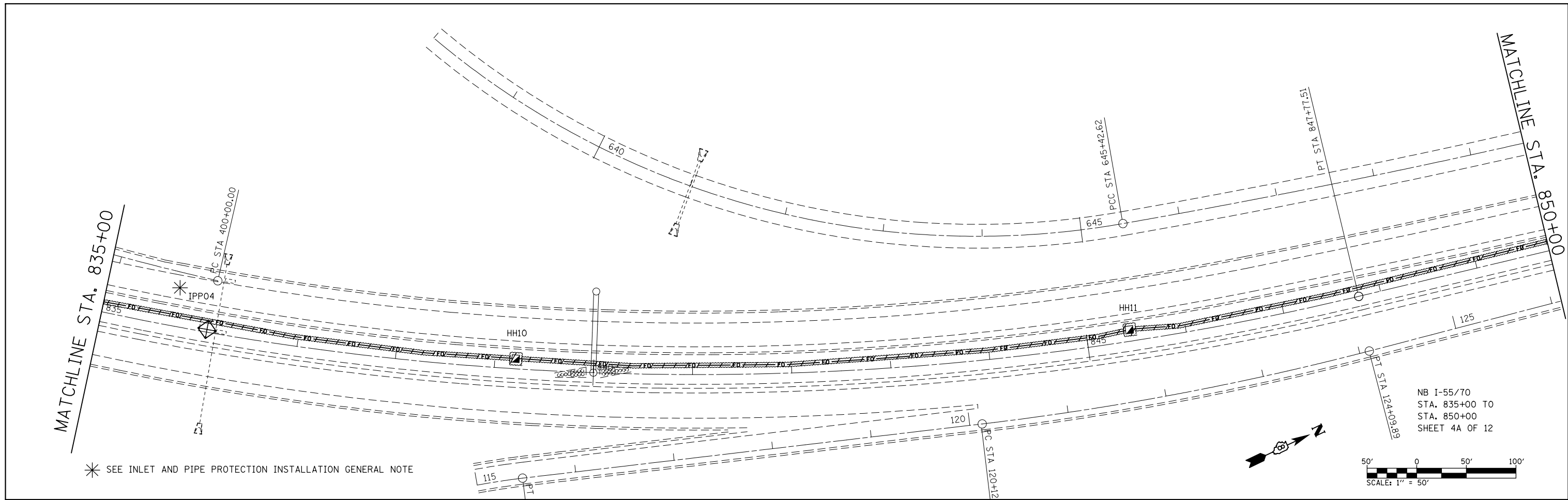
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	PLOT DATE = 11/25/2013	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN 3 OF 12

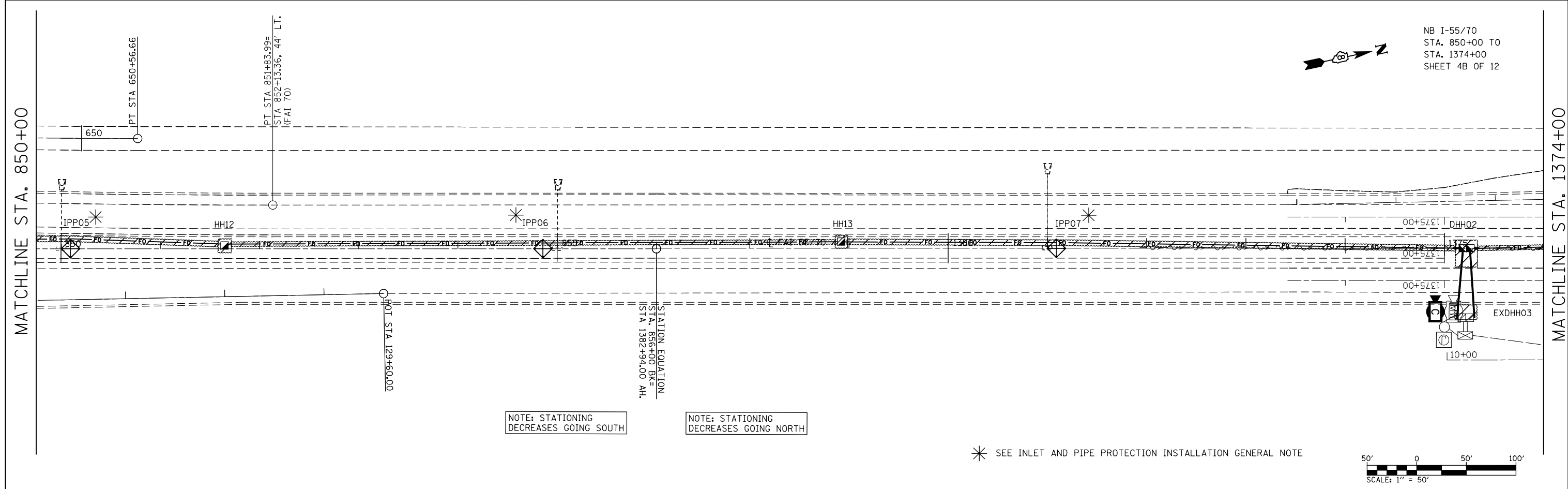
SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/70	DIST 8 ITS 2014-1	MADISON	44	26
CONTRACT NO. 76G08				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



* SEE INLET AND PIPE PROTECTION INSTALLATION GENERAL NOTE

NB I-55/70
 STA. 835+00 TO
 STA. 850+00
 SHEET 4A OF 12



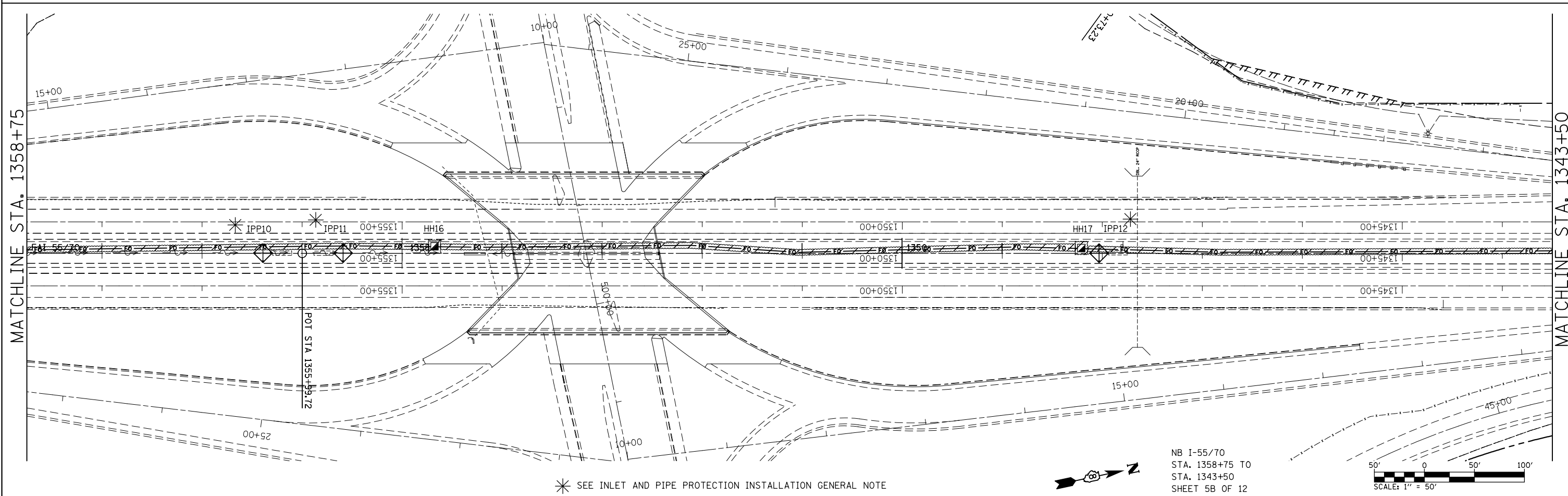
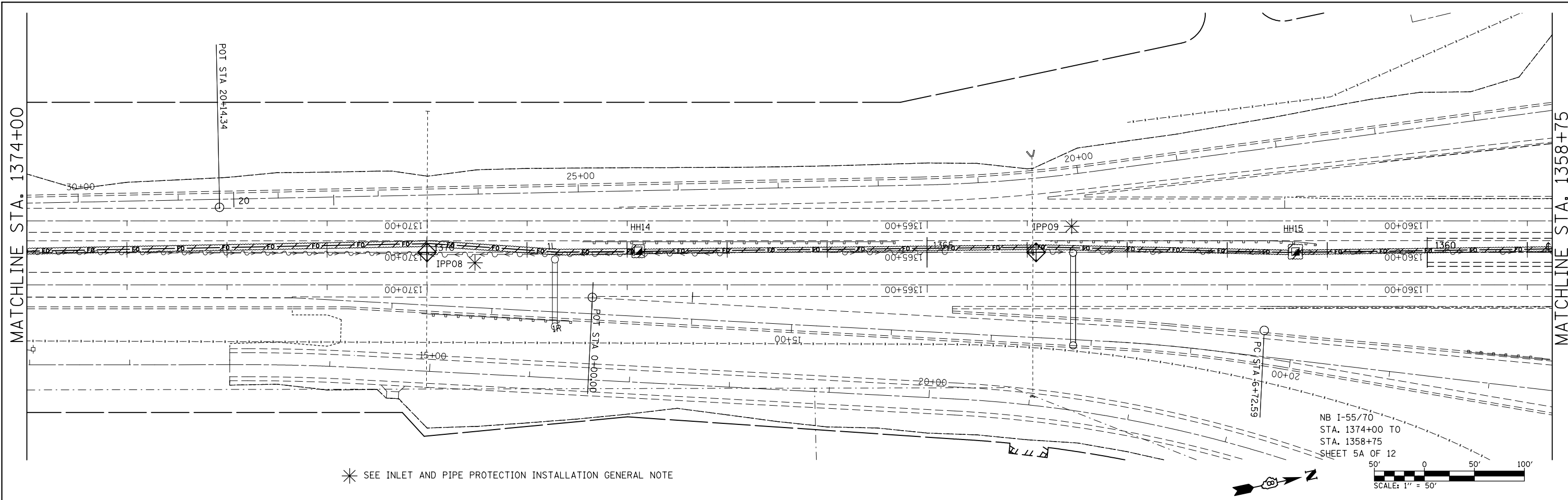
NOTE: STATIONING DECREASES GOING SOUTH

NOTE: STATIONING DECREASES GOING NORTH

* SEE INLET AND PIPE PROTECTION INSTALLATION GENERAL NOTE

NB I-55/70
 STA. 850+00 TO
 STA. 1374+00
 SHEET 4B OF 12

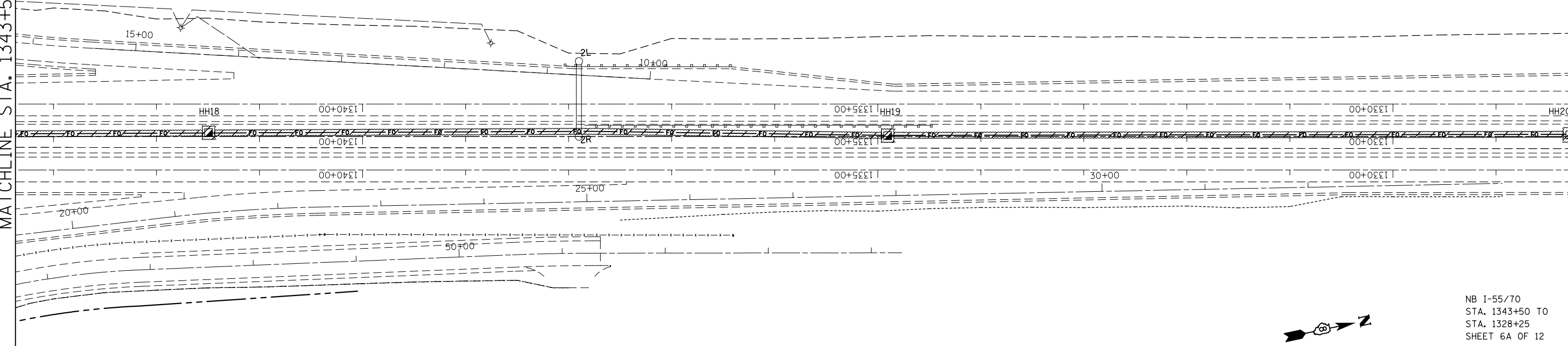
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		CHECKED -	REVISED -						CONTRACT NO. 76G08					
		DATE -	REVISED -						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL PLAN 5A & 5B OF 12			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 10/17/2013	DATE -	CHECKED -	REVISED -		CONTRACT NO.76G08			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
		DATE -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.			

MATCHLINE STA. 1343+50

MATCHLINE STA. 1328+25

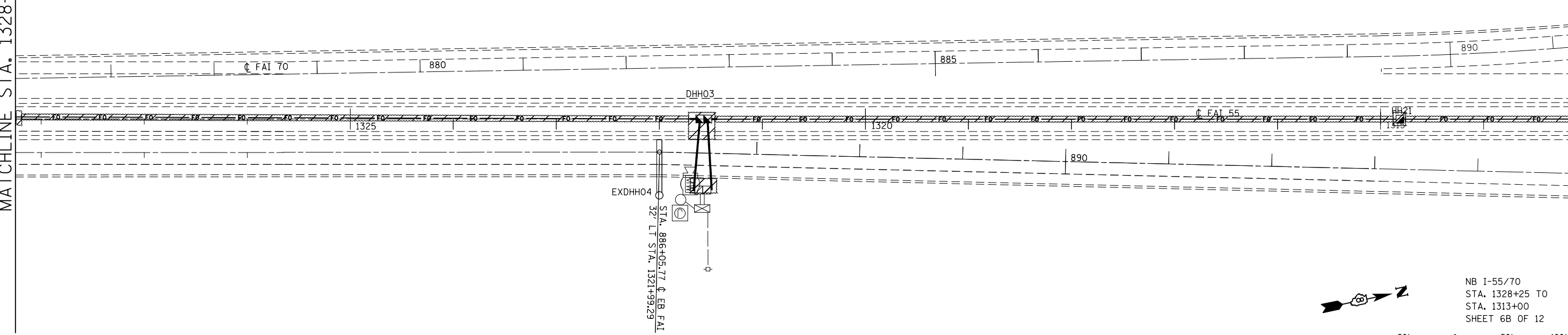


NB I-55/70
 STA. 1343+50 TO
 STA. 1328+25
 SHEET 6A OF 12

SCALE: 1" = 50'

MATCHLINE STA. 1328+25

MATCHLINE STA. 1313+00



NB I-55/70
 STA. 1328+25 TO
 STA. 1313+00
 SHEET 6B OF 12

SCALE: 1" = 50'

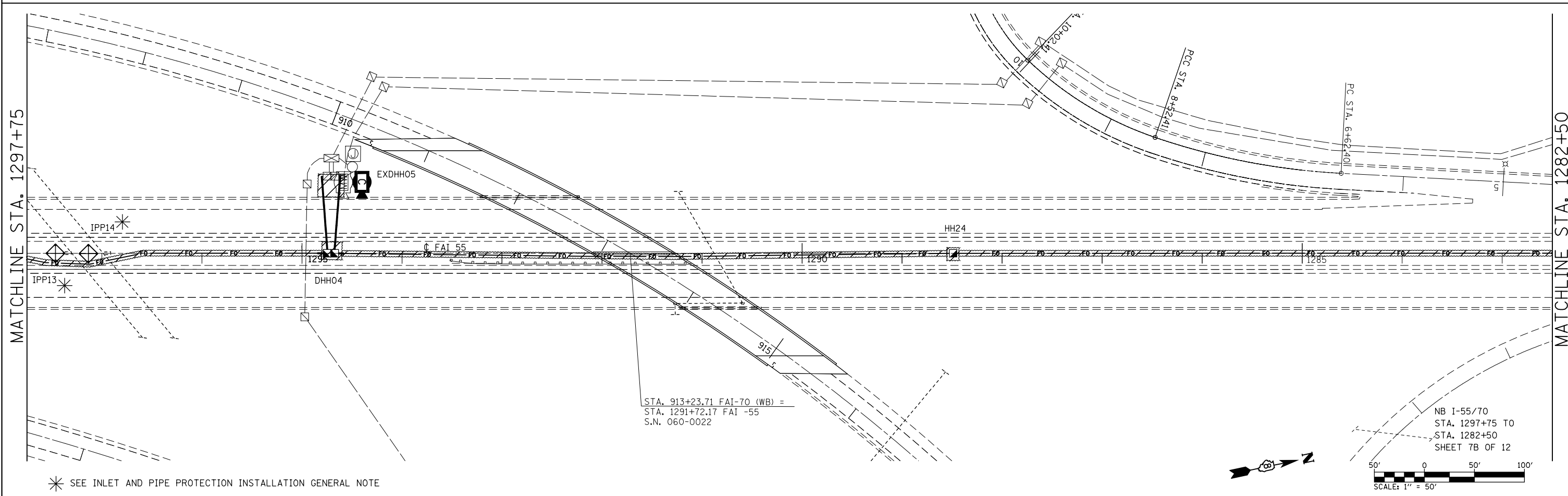
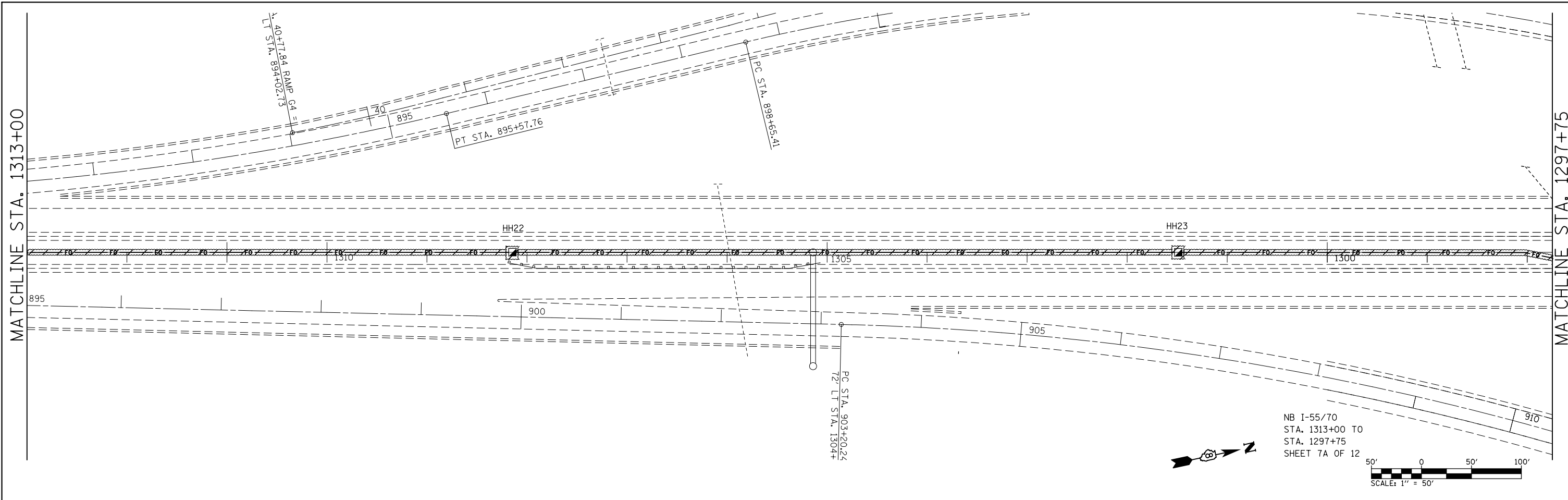
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	PLOT DATE = 10/17/2013	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

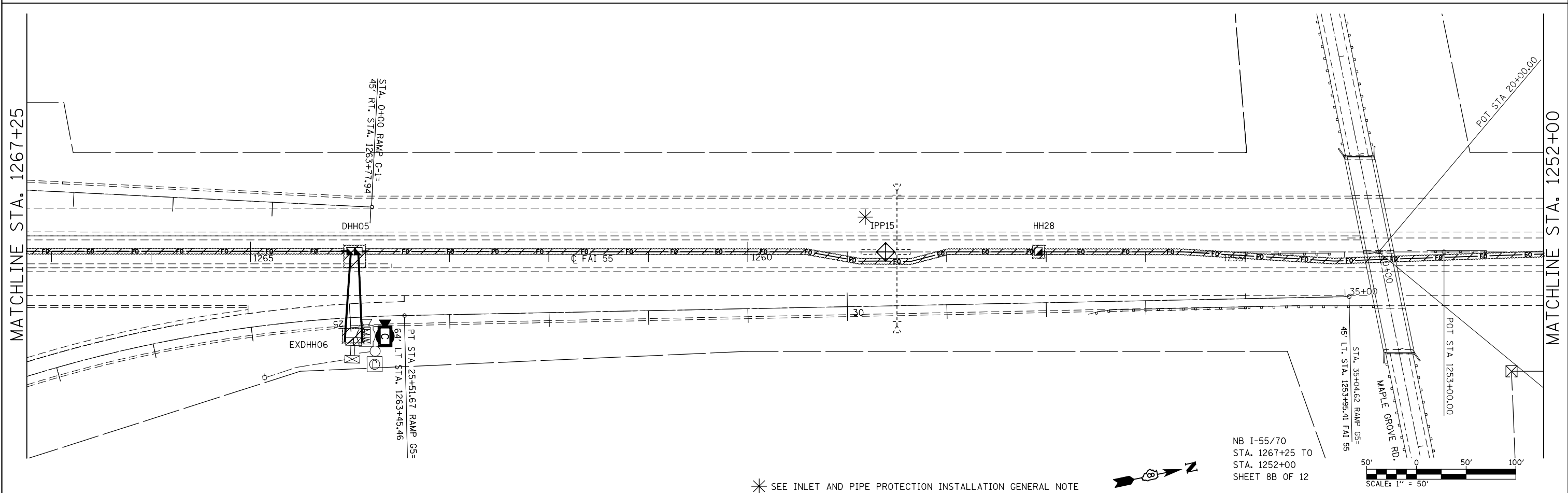
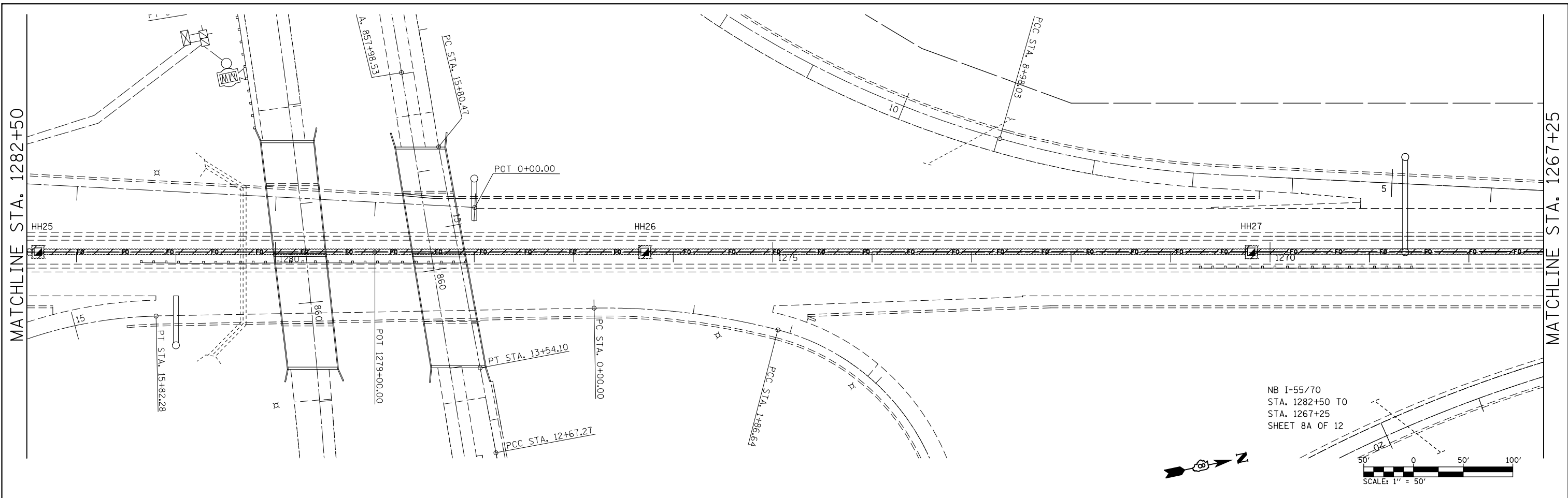
EROSION CONTROL PLAN 6A & 6B OF 12

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/70	DIST 8 ITS 2014-1	MADISON	44	29
CONTRACT NO. 76G08				
FED. ROAD DIST. NO. 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	EROSION CONTROL PLAN 7A & 7B OF 12				F.A.I. RT.:	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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		CHECKED -	REVISED -											
		DATE -	REVISED -											
										CONTRACT NO.76G08				
										FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



* SEE INLET AND PIPE PROTECTION INSTALLATION GENERAL NOTE

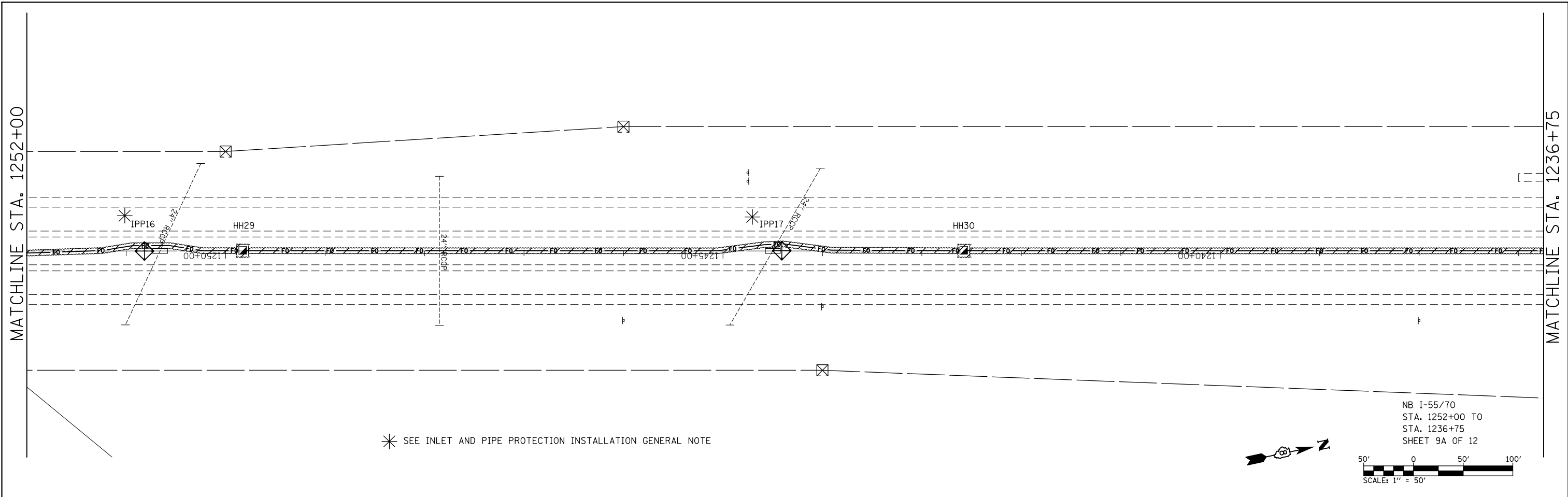
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/17/2013	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

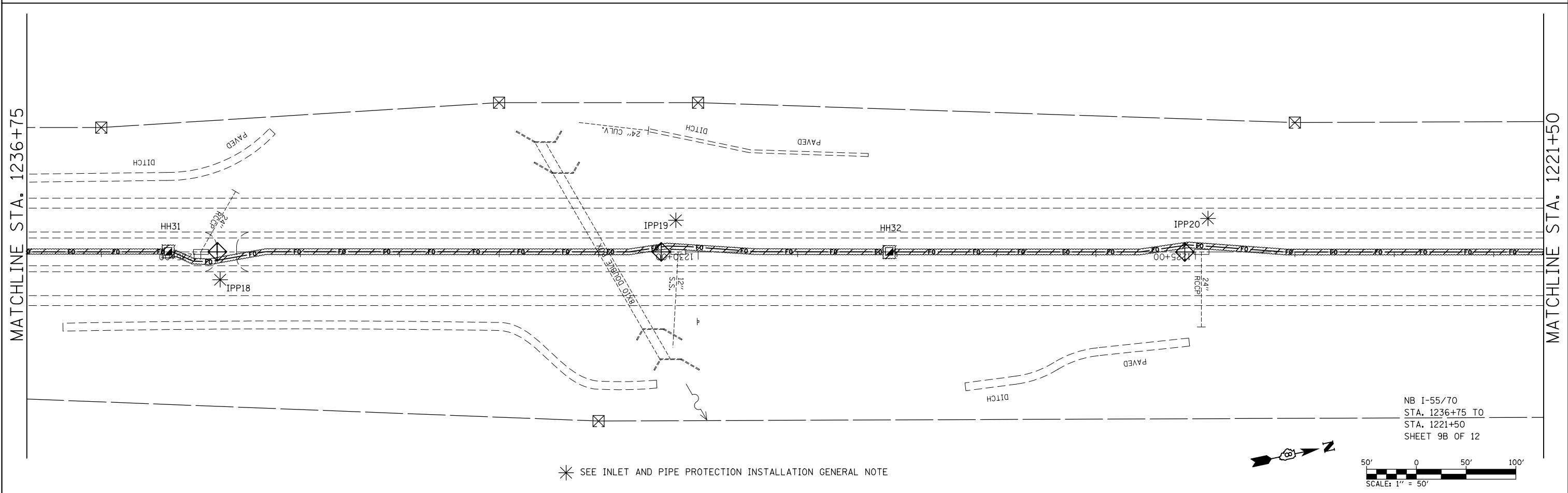
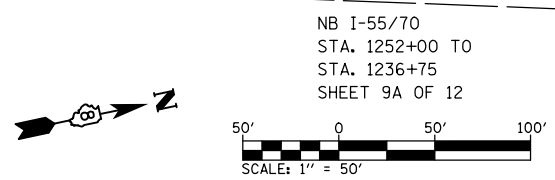
EROSION CONTROL PLAN 8A & 8B OF 12

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/70	DIST 8 ITS 2014-1	MADISON	44	31
CONTRACT NO. 76G08				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

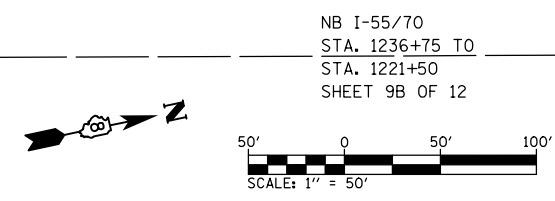
SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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* SEE INLET AND PIPE PROTECTION INSTALLATION GENERAL NOTE



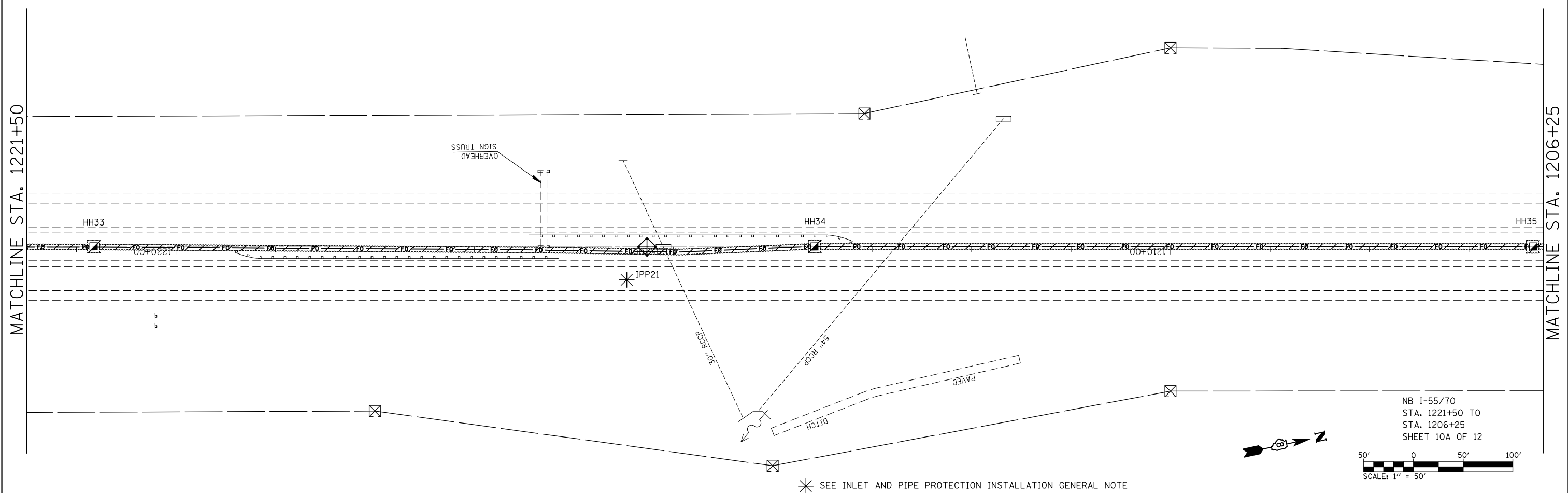
* SEE INLET AND PIPE PROTECTION INSTALLATION GENERAL NOTE



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	PLOT DATE = 10/17/2013	CHECKED -	REVISED -					CONTRACT NO.76G08				
				DATE -	REVISED -	SCALE: SHEET NO. OF SHEETS STA. TO STA.		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

MATCHLINE STA. 1221+50

MATCHLINE STA. 1206+25

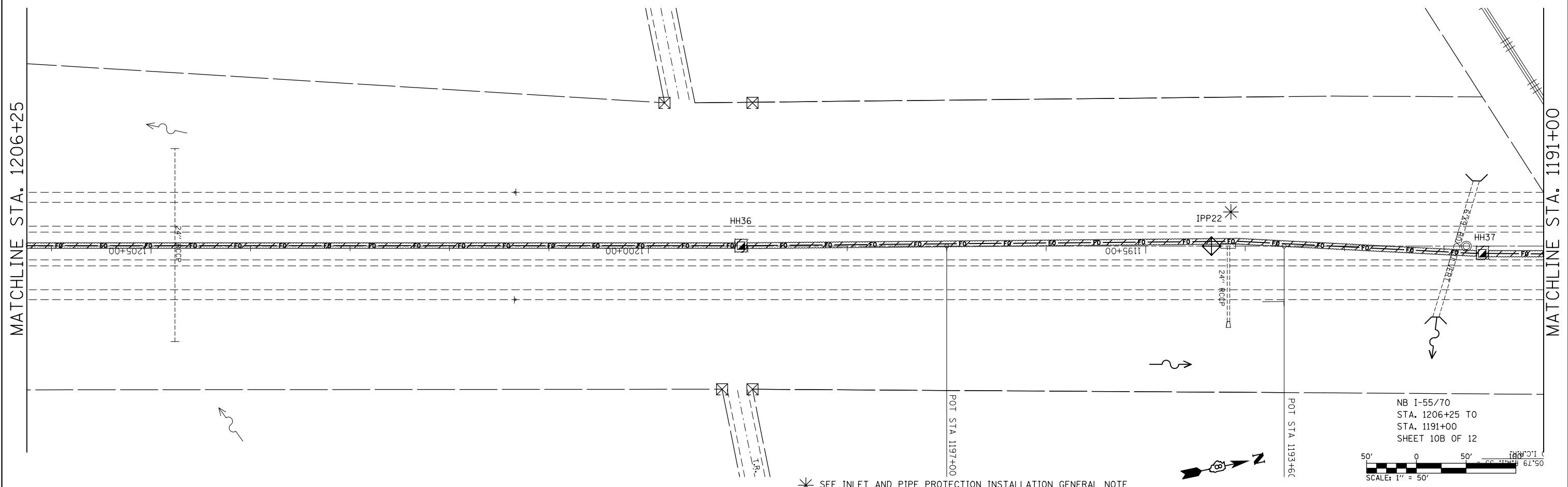


NB I-55/70
 STA. 1221+50 TO
 STA. 1206+25
 SHEET 10A OF 12

* SEE INLET AND PIPE PROTECTION INSTALLATION GENERAL NOTE

MATCHLINE STA. 1206+25

MATCHLINE STA. 1191+00



NB I-55/70
 STA. 1206+25 TO
 STA. 1191+00
 SHEET 10B OF 12

* SEE INLET AND PIPE PROTECTION INSTALLATION GENERAL NOTE

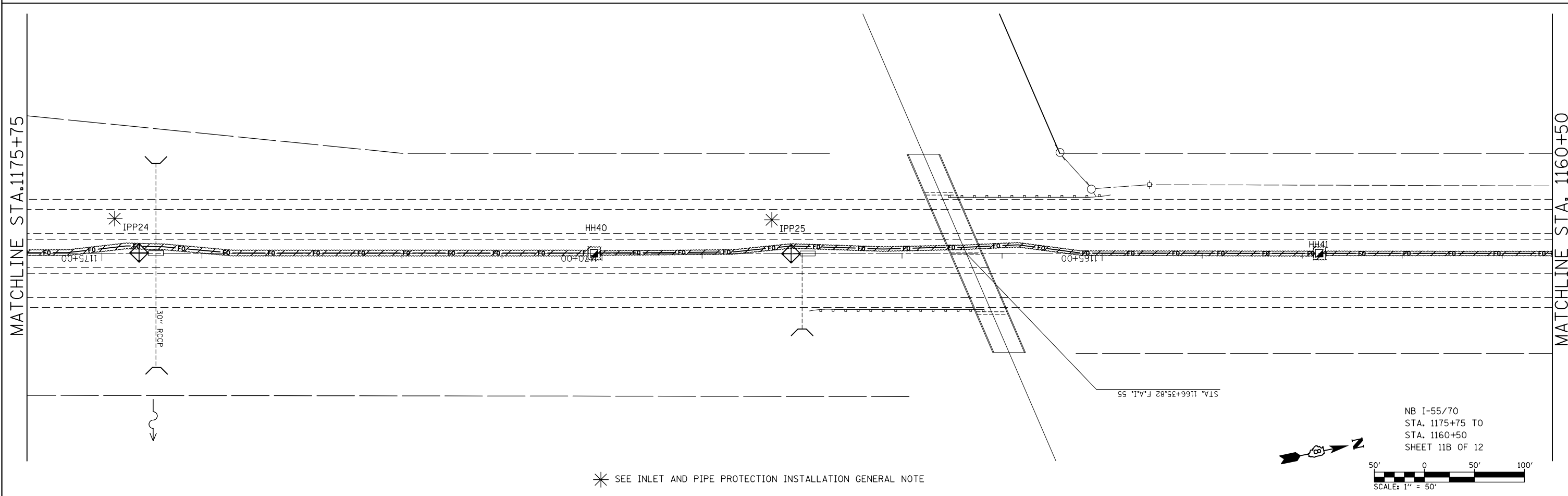
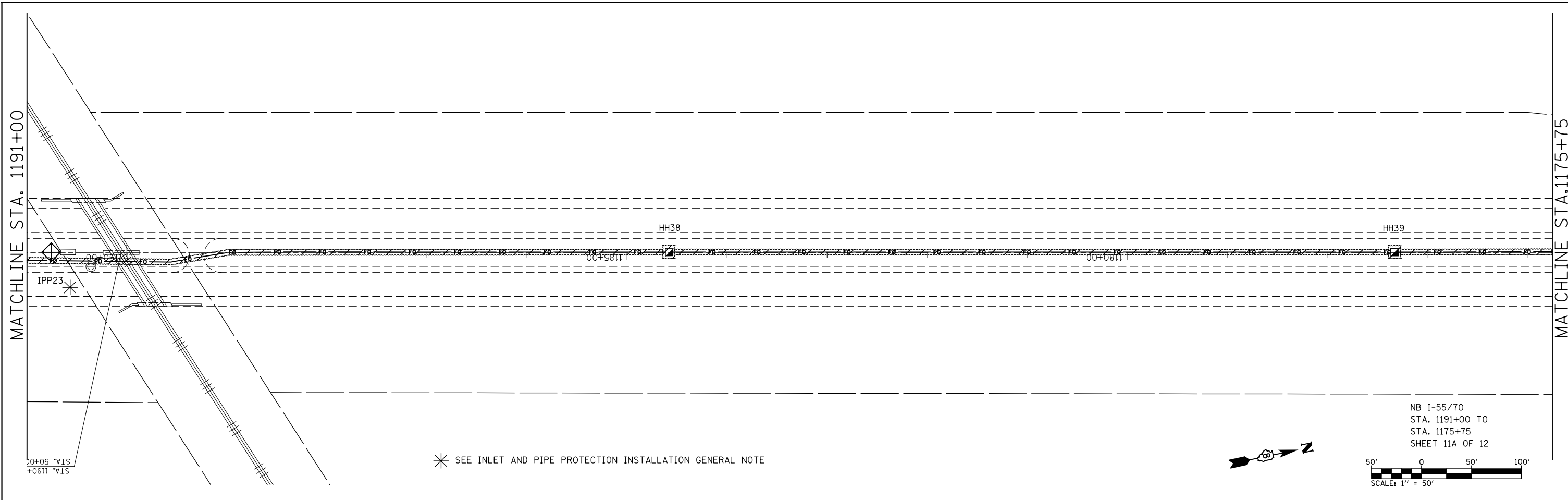
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	PLOT DATE = 10/17/2013	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN 10A & 10B OF 12

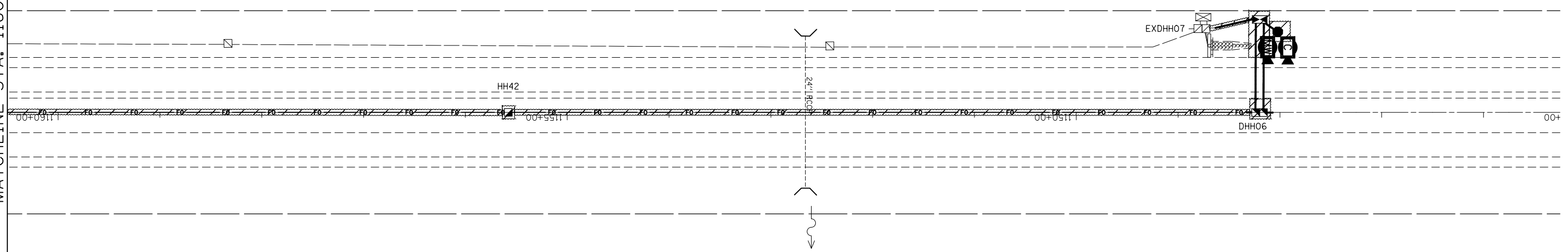
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/70	DIST 8 ITS 2014-1	MADISON	44	33
CONTRACT NO.76G08				
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

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



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL PLAN 11A & 11B OF 12			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = 10/17/2013	DATE -	CHECKED -	REVISED -		SCALE: SHEET NO. OF SHEETS STA. TO STA.			CONTRACT NO.76G08				
		DATE -	REVISED -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

MATCHLINE STA. 1160+50



NB I-55/70
 STA. 1160+50 TO
 STA. 1145+25
 SHEET 12A OF 12

SCALE: 1" = 50'

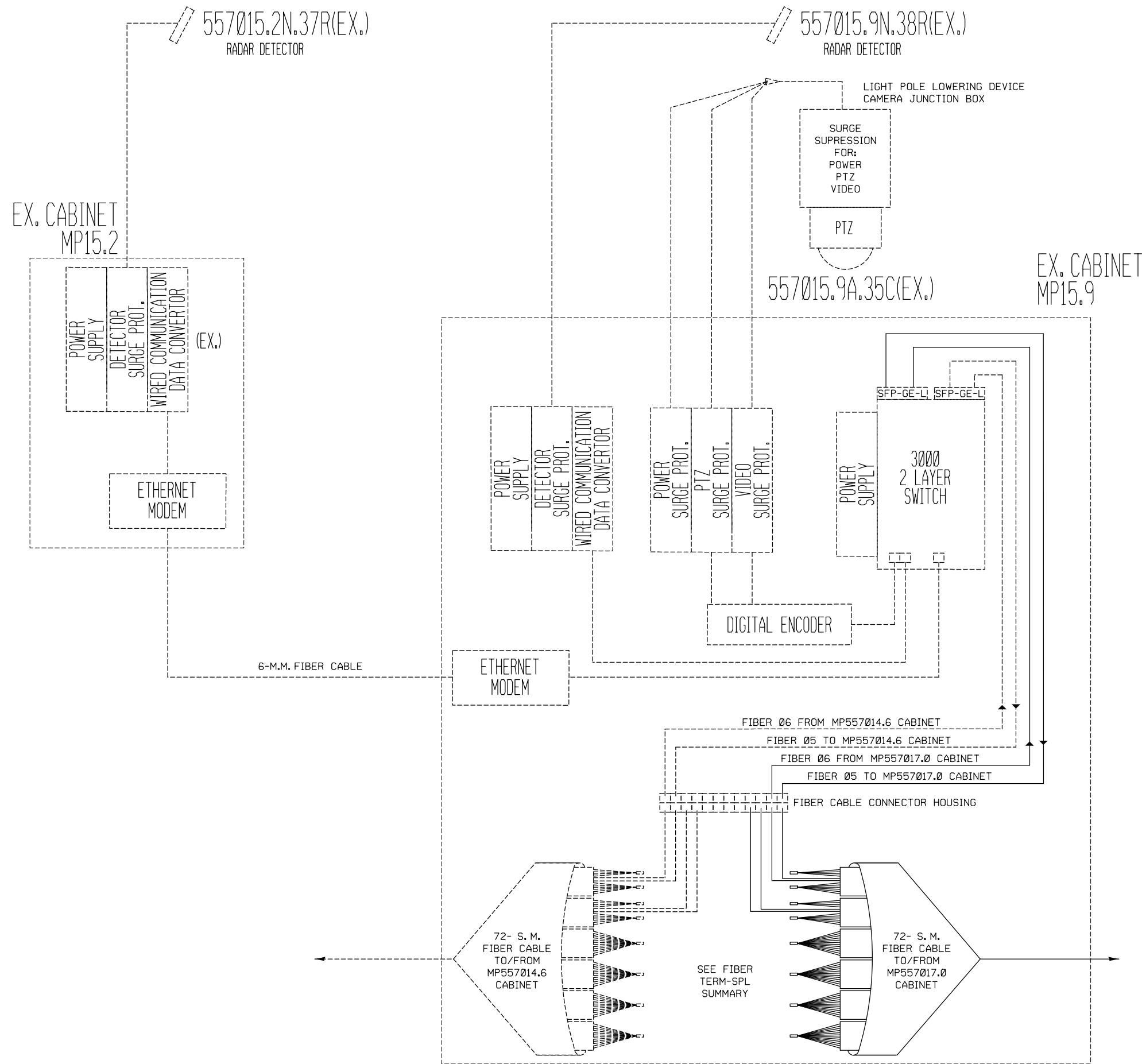
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL PLAN 12A OF 12

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/70	DIST 8 ITS 2014-1	MADISON	44	35
CONTRACT NO.76G08				
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT			



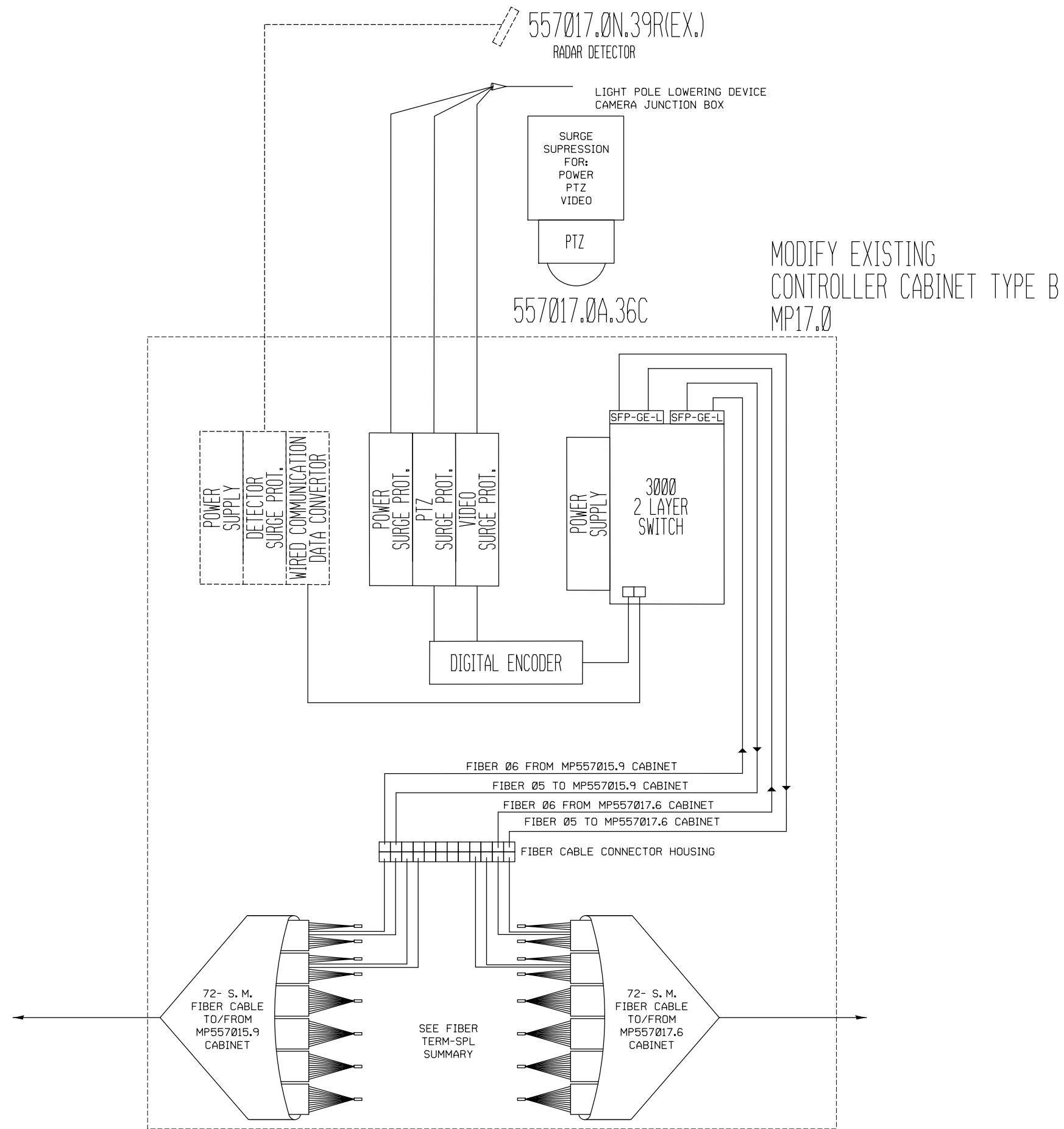
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	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/17/2013	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**COMMUNICATION SHEET
MP557015.2 & MP557015.9 EX. CABINETS**

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO	STA.
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/70	DIST 8 ITS 2014-1	MADISON	44	36
CONTRACT NO.76G08				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



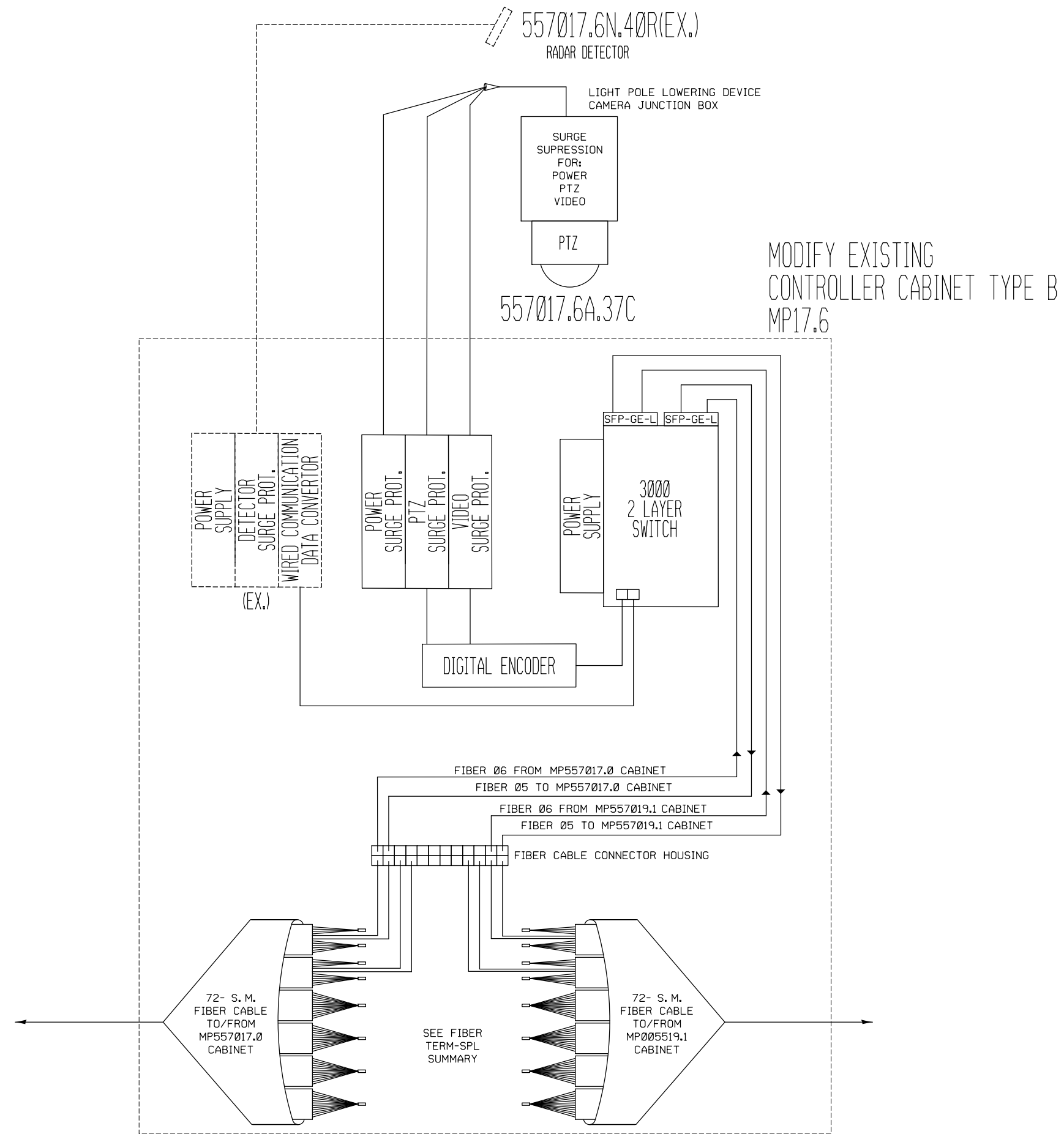
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	PLOT DATE = 10/17/2013	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**COMMUNICATION SHEET
MP557017.0 CABINET**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/70	DIST 8 ITS 2014-1	MADISON	44	37
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76G08	



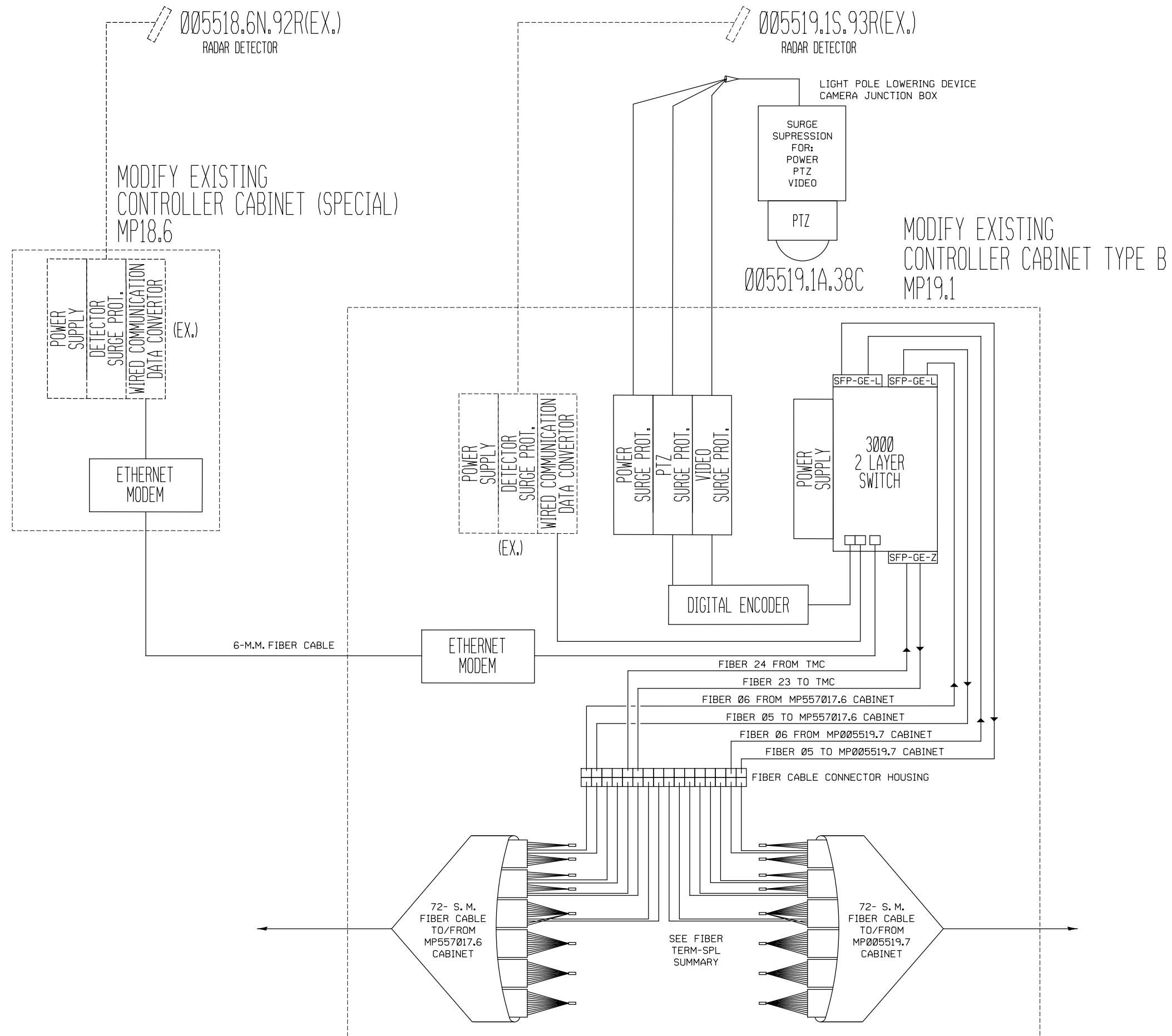
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	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 10/17/2013	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**COMMUNICATION SHEET
MP557017.6 CABINET**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/70	DIST 8 ITS 2014-1	MADISON	44	38
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76G08	



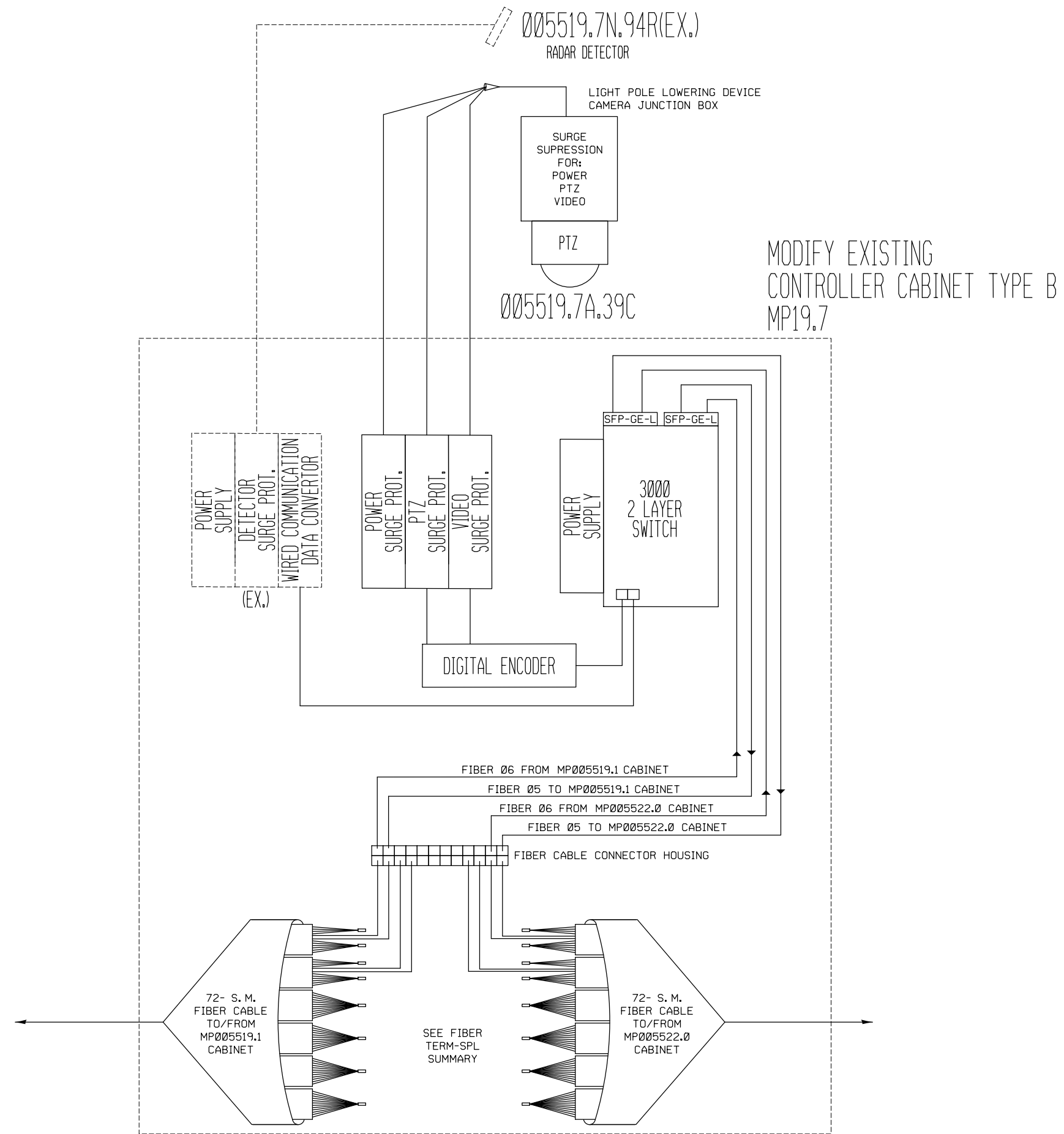
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	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 11/25/2013	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**COMMUNICATION SHEET
MP557018.6 & MP557019.1 CABINETS**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/70	DIST 8 ITS 2014-1	MADISON	44	39
CONTRACT NO.76G08				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT DATE = 10/17/2013	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

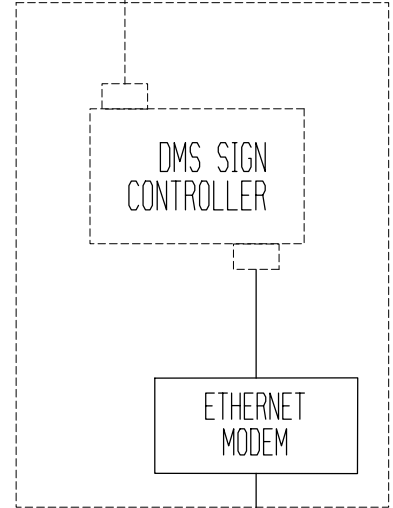
**COMMUNICATION SHEET
MP05519.7 CABINET**

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

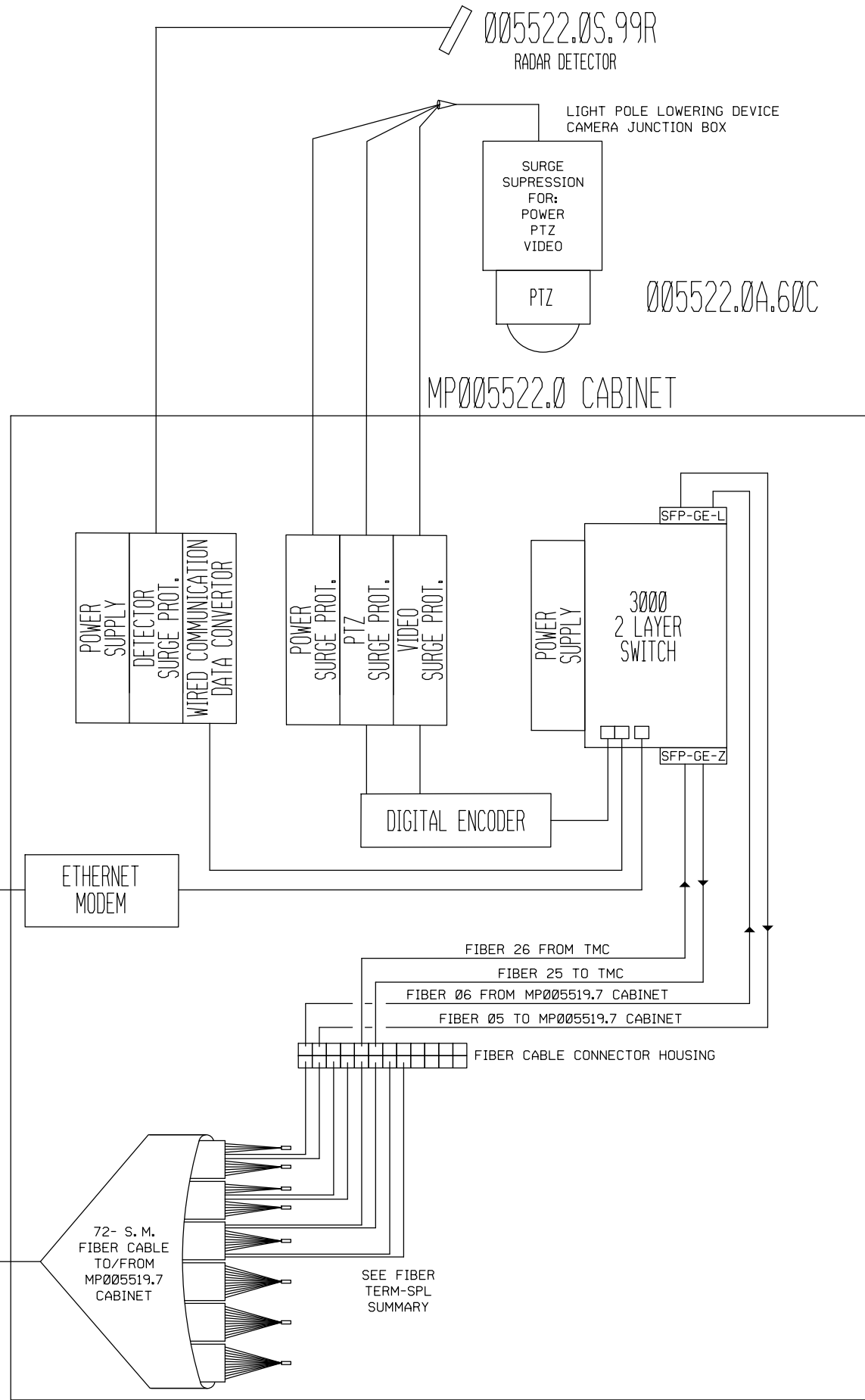
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/70	DIST 8 ITS 2014-1	MADISON	44	40
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76G08	

005522.0S.05S(EX.)

MODIFY EXISTING
CONTROLLER CABINET (SPECIAL)
MP22.0



6-M.M. FIBER CABLE



005522.0S.99R
RADAR DETECTOR

LIGHT POLE LOWERING DEVICE
CAMERA JUNCTION BOX

SURGE SUPPRESSION
FOR:
POWER
PTZ
VIDEO

PTZ

005522.0A.60C

MP005522.0 CABINET

POWER SUPPLY
DETECTOR SURGE PROT.
WIRED COMMUNICATION DATA CONVERTOR

POWER SURGE PROT.
PTZ SURGE PROT.
VIDEO SURGE PROT.

POWER SUPPLY
3000 2 LAYER SWITCH

DIGITAL ENCODER

ETHERNET MODEM

FIBER 26 FROM TMC
FIBER 25 TO TMC
FIBER 06 FROM MP005519.7 CABINET
FIBER 05 TO MP005519.7 CABINET

FIBER CABLE CONNECTOR HOUSING

72- S.M.
FIBER CABLE
TO/FROM
MP005519.7
CABINET

SEE FIBER
TERM-SPL
SUMMARY

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT DATE = 11/25/2013	DATE -	REVISED -

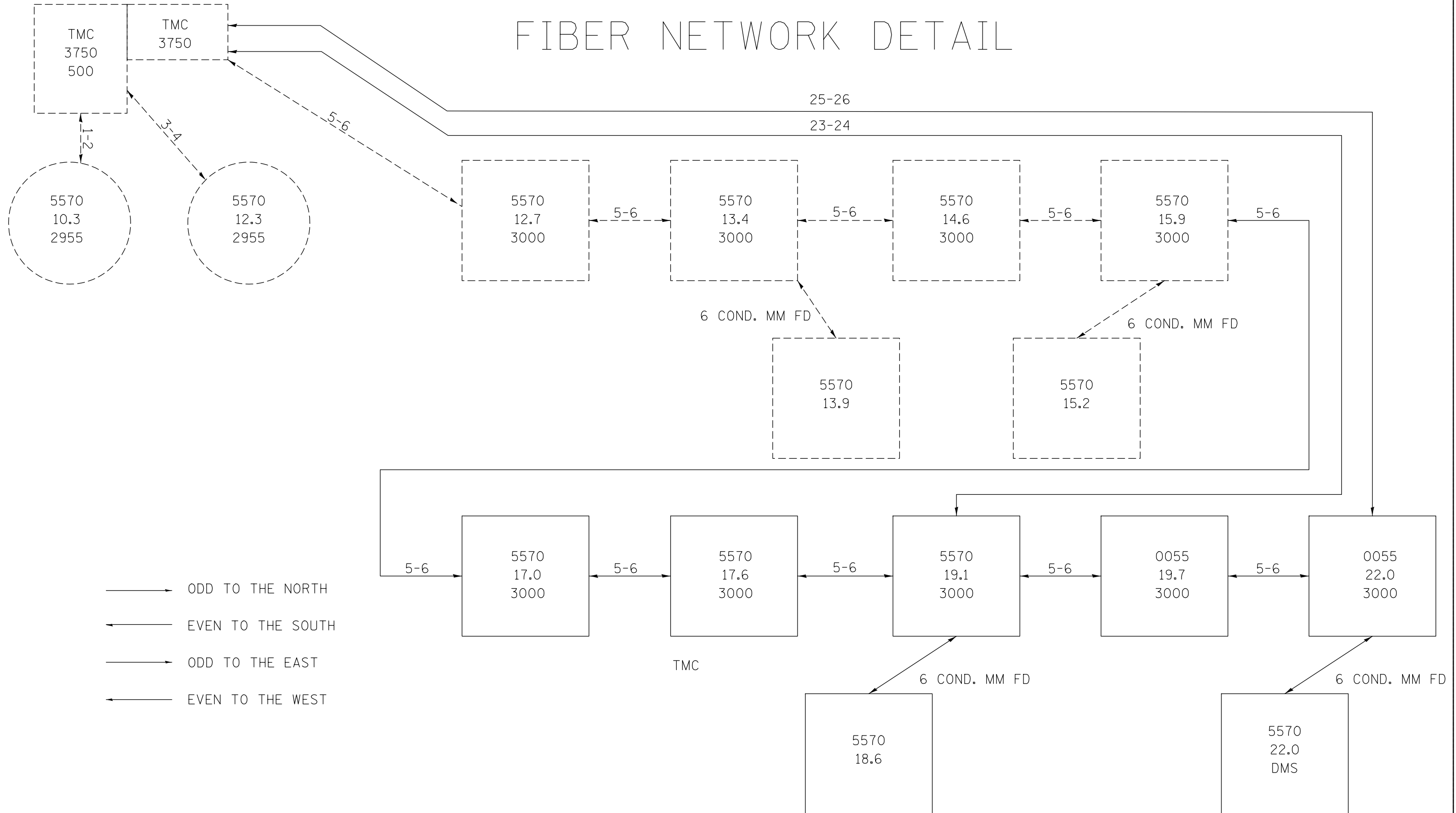
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

COMMUNICATION SHEET
MP005522.0 CABINETS

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/70	DIST 8 ITS 2014-1	MADISON	44	41
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO.76G08	

FIBER NETWORK DETAIL



FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
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	PLOT DATE = 10/17/2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FIBER NETWORK DETAIL

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/70	DIST 8 ITS 2014-1	MADISON	44	42
CONTRACT NO. 76G08				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

FIBER TERM-SPL SUMMARY

LOCATION (FIBERS ON NORTH SIDE)

FIBER	557015.9	557017.0	557017.6	557018.6	557019.1	557019.7	005522.0
1-2	S	S	S		S	S	
3-4	S	S	S	T	S	S	
5-6	T	T	T	N E	T	T	N P
7-8	S	S	S	O R	S	S	O A
9-10	S	S	S	M	S	S	S
11-12	S	S	S	F I	S	S	F T
13-14	S	S	S	I N	S	S	I
15-16	S	S	S	B A	S	S	B H
17-18	T	T	T	E T	T	T	E E
19-20	S	S	S	R E	S	S	R R
21-22	S	S	S	D	S	S	E
23-24	S	S	S		T	S	
25-26	S	S	S	H	S	S	
27-28	S	S	S	E	S	S	
29-32	S	S	S	R	S	S	
33-34	S	S	S	E T		S	
35-36	S	S	S		S	S	
37-72	S	S	S		S	S	

LOCATION (FIBERS ON SOUTH SIDE)

FIBER	557015.9	557017.0	557017.6	557018.6	557019.1	557019.7	005522.0
1-2	S	S	S		S	S	B
3-4	S	S	S	T	S	S	B
5-6	E	T	T	N E	T	T	T
7-8	S	S	S	O R	S	S	B
9-10	S	S	S	M	S	S	B
11-12	S	S	S	F I	S	S	B
13-14	S	S	S	I N	S	S	B
15-16	S	S	S	B A	S	S	B
17-18	E	T	T	E T	T	T	T
19-20	S	S	S	R E	S	S	B
21-22	S	S	S	D	S	S	B
23-24	S	S	S		T	S	B
25-26	S	S	S	H	S	S	T
27-28	S	S	S	E	S	S	B
29-32	S	S	S	R	S	S	B
33-34	S	S	S	E T		S	B
35-36	S	S	S		S	S	T
37-72	S	S	S		S	S	B

NOTE;
 T = TERMINATE FIBER
 S = FUSION SPLICE FIBER
 E = EXISTING TERMINATED FIBER
 B = BARE (UNUSED)

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			
MP557015.9		1				
MP557017.0	1	2			1	
MP557017.6	1	2			1	
MP557018.6				1		
MP557019.1	1	2	1	1	1	
MP557019.7	1	2			1	
MP005522.0S05S(EX.)				1		
MP005522.0	1	1	1	1	1	
TMC			2			
TOTALS:	5	10	4	4	5	



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

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Date 5/7/13

ROUTE FAI 55/70 DESCRIPTION ITS Device on I-55 SB between IL 143 and LOGGED BY YPG
Cashen Road

SECTION Dist 8 ITS 2014-1 LOCATION NE 1/4, SEC. 20, TWP. 4N, RNG. 7W, 3 PM

COUNTY Madison DRILLING METHOD Hand Auger HAMMER TYPE _____

STRUCT. NO.	Station	DEPTH	SOIL	UCS	Failure Mode	Surface Water Elev.	Stream Bed Elev.	Groundwater Elev.:	First Encounter	Upon Completion	After
		(ft)	(/6")	(tsf)	(%)	ft	ft	ft	ft	ft	Hrs.
	567.0			1.25	24						
Medium Brown CLAY											
				1.00	25						
Dark Brown CLAY											
				2.25	29						
				2.25	30						
	564.0			2.25	32						
Medium Brown CLAY with some Sand				1.50	35						
				2.00	32						
	561.5			1.50	32						
Gray Silty Clay LOAM A-4(B)				1.75	30						
See Classification @ 10 ft				1.75	32						
				1.50	29						
				1.75	27						
				2.00	27						
				1.75	28						
				1.75	28						
	553.0										
END OF HAND AUGER											
Pocket Penetrometer used for Qu											

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (ASTM D1586)
 BBS, from 137 (Rev. 8-99)

FILE NAME =	USER NAME = prestonme	DESIGNED -	REVISED -
et:\pw\work\p\dot\prestonme\d0320429\d076g08-shr-ITS.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 10/17/2013	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SOIL BORING

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/70	DIST 8 ITS 2014-1	MADISON	44	44
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO.76G08	