

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
HIGHWAY PLANS**

FAI ROUTE 55/70 (I-55/70)
SECTION Dist 8 ITS 2011-1
PROJECT ITS-000S(847)
ITS COMMUNICATION & SURVEILLANCE
DEVICE INSTALLATION
MADISON COUNTY

C-98-043-11

END PROJECT
WEST OF US-40
STA. 775+00

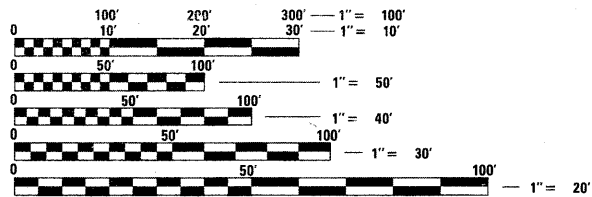
FOR INDEX OF SHEETS, SEE SHEET NO. 2

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/70	DIST 8 ITS 2011-1	MADISON	39	1
		ILLINOIS	CONTRACT NO. 76E82	

D-98-042-11

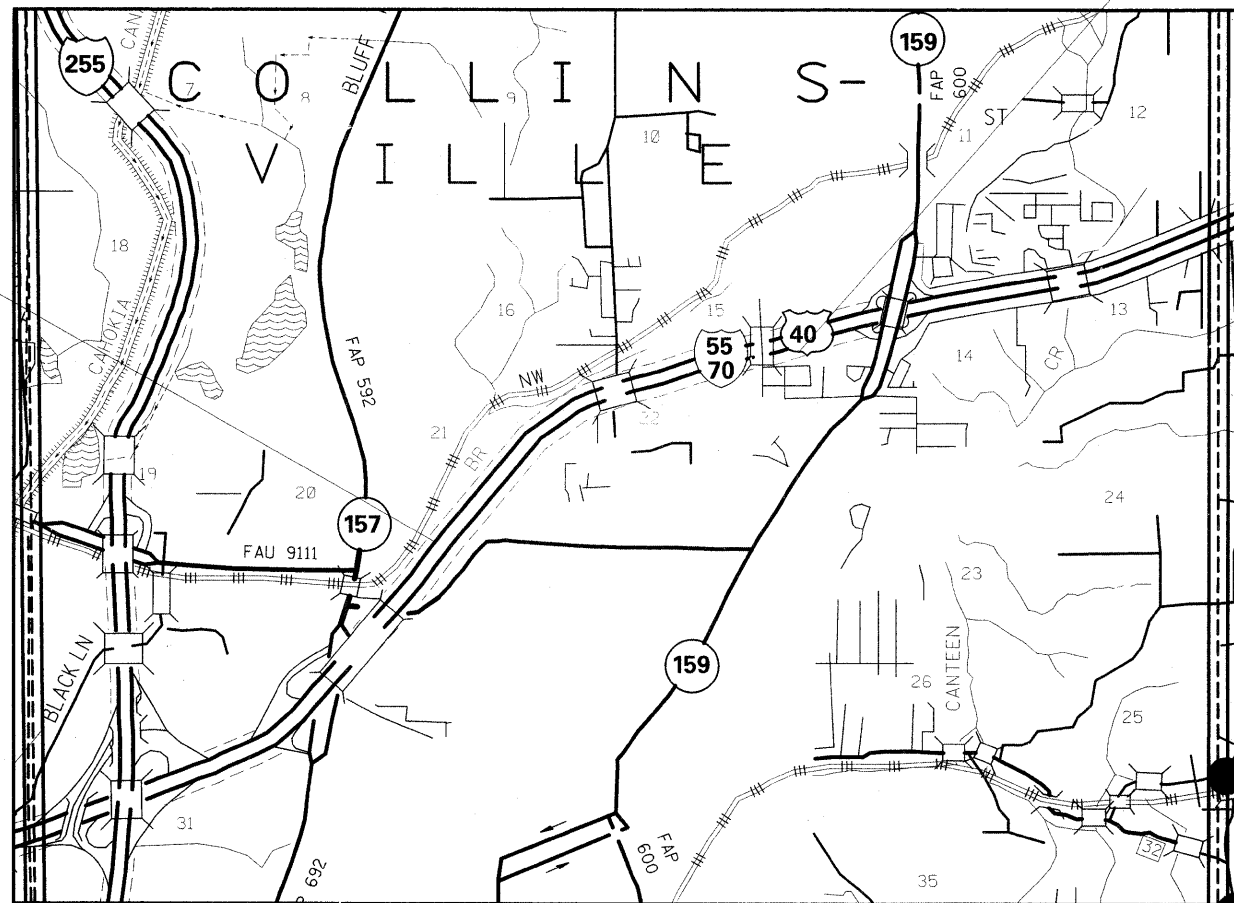


BEGIN PROJECT
1.3 MILES EAST OF IL 157
STA. 579+50



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

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



GROSS LENGTH = 19,550 FT. FT. = 3.703 MILE
NET LENGTH = 19,550 FT. FT. = 3.703 MILE

PROJECT ENGINEER TIM PADGETT (618)-346-3325
PROJECT MANAGER JEFF ABEL (618) 346-3283

CONTRACT NO. 76E82

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED 3/2 20 11

Mass Kamis
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

March 25 20 11
Scott E. Stitt, P.E.
ENGINEER OF DESIGN AND ENVIRONMENT

March 25 20 11
Christine M. Roodla
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS**

GENERAL NOTES

INDEX OF SHEETS

1. COVER SHEET
2. INDEX OF SHEETS, STANDARDS, GENERAL NOTES, AND COMMITMENTS
3. SUMMARY OF QUANTITIES
- 4.-16. PLAN SHEETS
- 17.-36. SWPPP SHEETS, EROSION AND SEDIMENT CONTROL DETAILS
37. FIBER NETWORK DETAIL
38. FIBER TERM-SPL SUMMARY
39. CONDUIT ATTACHED TO STRUCTURE @ KEEBLER AVE.

STANDARDS

- 701101-02
- 701106-02
- 701201-04
- 701400-05
- 701406-06
- 701411-07
- 701446-02
- 701456-01
- 701901-01

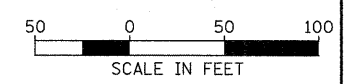
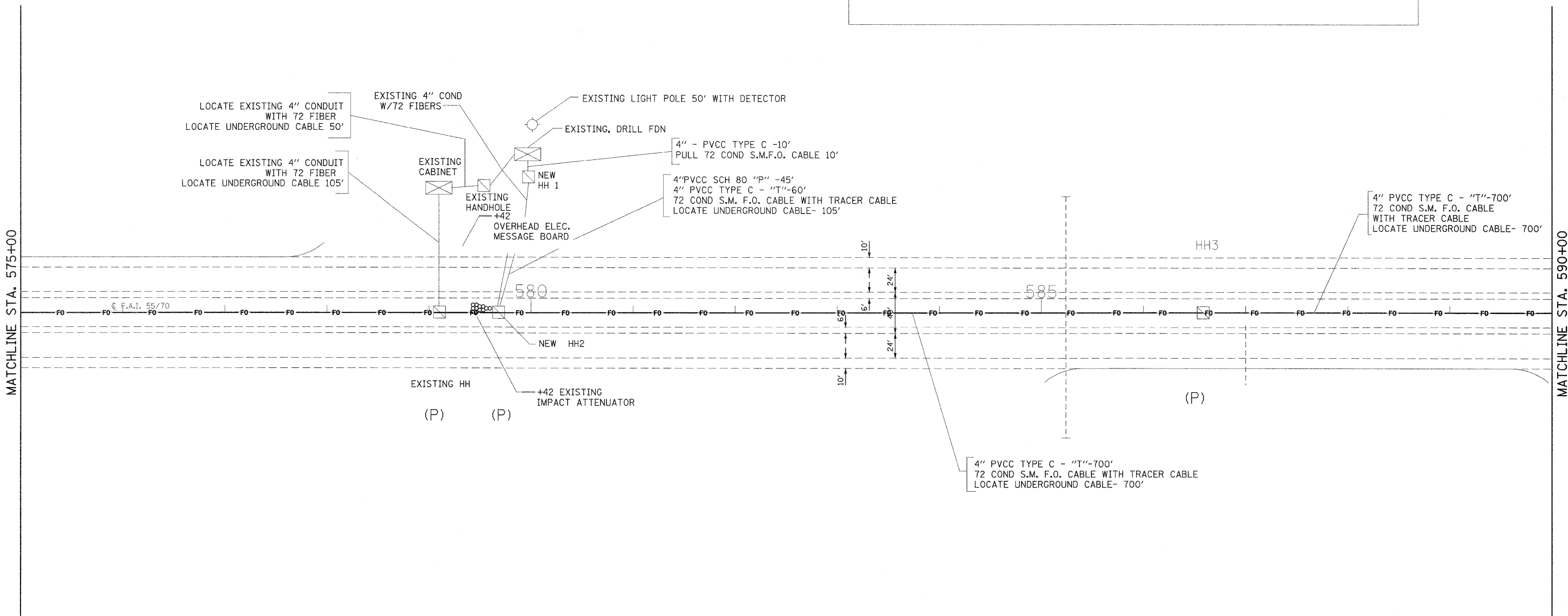
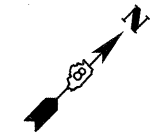
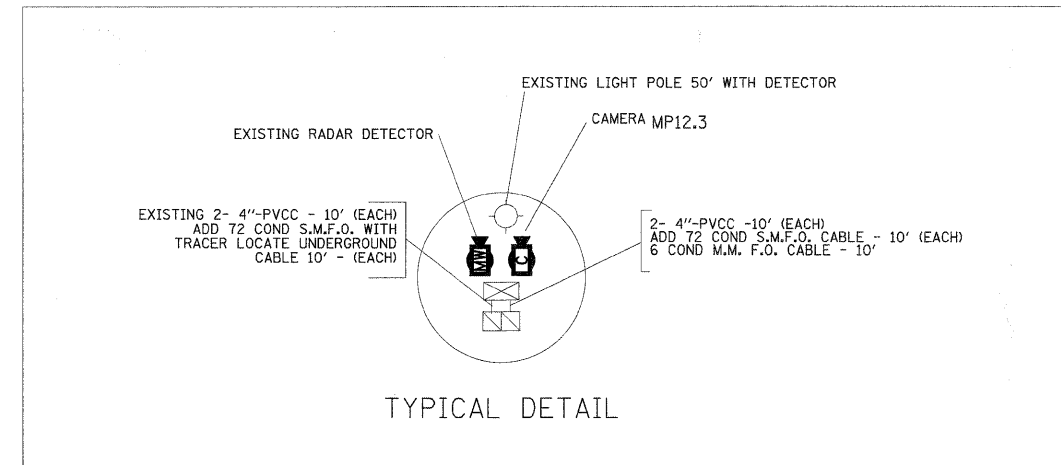
1. ALL MATERIALS SHALL CONFORM TO SECTION 106 OF THE STANDARD SPECIFICATIONS FOR CONTROL OF MATERIALS.
2. THE JUNCTION BOXES SHALL BE UNPAINTED ALUMINUM SHEET METAL UNLESS OTHERWISE SPECIFIED ON THE PLANS.
3. UNDERGROUND CABLE MARKING TAPE SHALL BE INSTALLED WITH ALL TRENCH AND BACK FILL FOR ELECTRICAL WORK IN ACCORDANCE WITH ARTICLES 819.05 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 TRENCH AND BACK FILL FOR ELECTRICAL WORK.
10. UTILITIES INTERFERENCE ARE NOT ANTICIPATED ON THE CONTRACT. SHOULD THIS PROVE TO BE OTHERWISE DURING ANY OF THE TIME OF THE OCCURRENCE. NO ADDITIONAL COST SHALL BE ADDED TO THE CONTRACT RESULTING FROM THE OCCURRENCE. THE JOINT UTILITY LOCATING INFORMATION FOR EXCAVATORS (J.U.L.I.E.) SYSTEM NUMBER IS (800)-892-0123

(MEMBER OF J.U.L.I.E. (800-892-0123) ARE INDICATED BY "." NON J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.)
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 OF EXISTING STRUCTURES PRIOR TO ORDERING MOUNTING HARDWARE.
13. FIBER OPTIC CABLE PULL TENSION WILL BE LIMITED BY PROVIDING JUNCTION BOXES OR HANDHOLES AT INTERVALS NO GREATER THE 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 IN THAT CONDUIT.
15. THE CONTRACTOR SHALL PAY ATTENTION TO SECTION 107. LEGAL REGULATIONS AND RESPONSIBILITY TO PUBLIC OF THE STANDARD SPECIFICATIONS. IN PARTICULAR 107.01 LAWS TO BE OBSERVED AND 107.04 PERMITS AND LICENSES.
16. ANY EXISTING RIP RAP ENCOUNTERED DURING TRENCHING OPERATIONS SHALL BE REMOVED AND THE COST SHALL BE INCLUDED WITH "TRENCH AND BACK FILL FOR ELECTRICAL WORK."

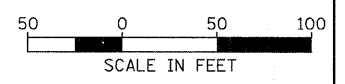
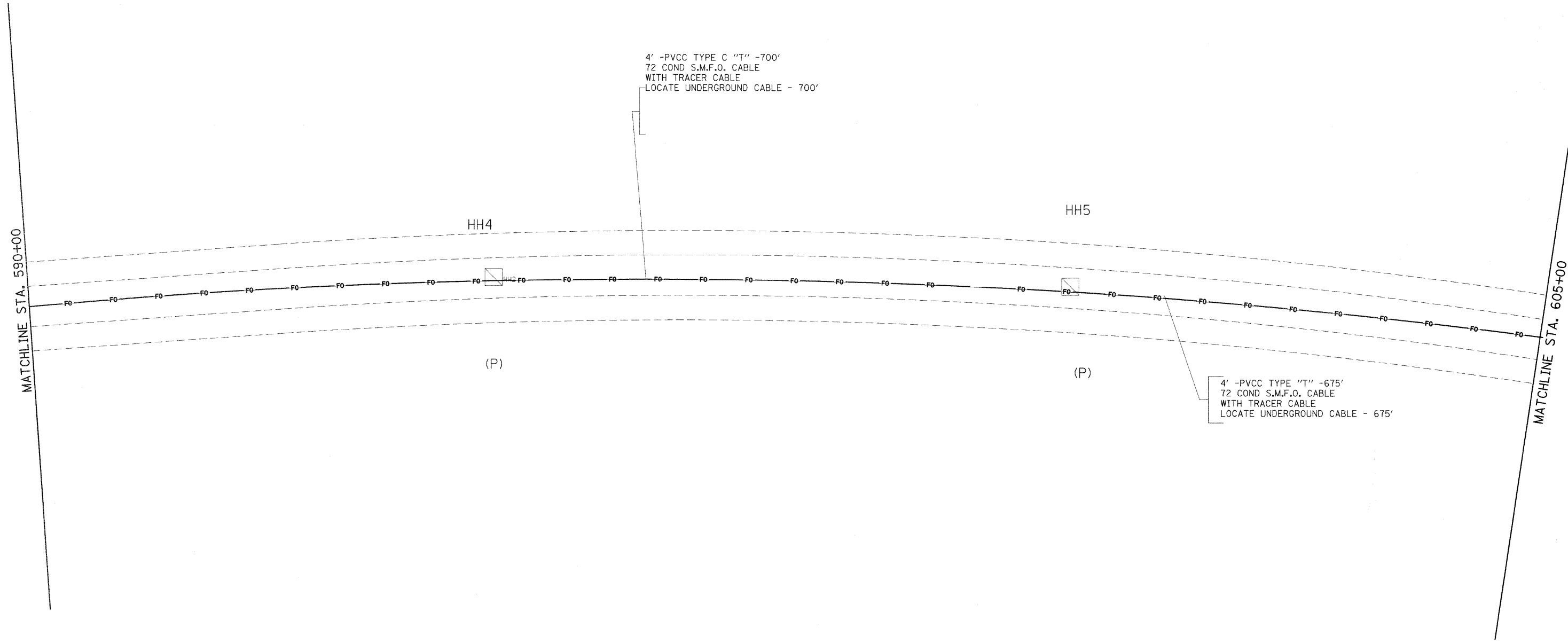
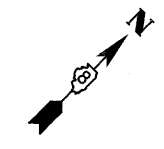
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	PLOT DATE = 3/1/2011	CHECKED -	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
		DATE -	REVISED -							CONTRACT NO. 76E82	

SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			SUMMARY OF QUANTITIES			TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		50% FED. 50% STATE URBAN 0021			CODE NO	ITEM	UNIT				
25000210	SEEDING, CLASS 2A	ACRE	1.2	1.2									
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	108	108									
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	108	108									
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	108	108									
25100105	MULCH, METHOD 1	ACRE	1.2	1.2									
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	120	120									
28000500	INLET AND PIPE PROTECTION	EACH	12	12									
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	12	12									
67100100	MOBILIZATION	L SUM	1	1									
70100420	TRAFFIC CONTROL AND PROTECTION, STANDARD 701411	EACH	2	2									
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1	1									
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1	1									
80300100	LOCATING UNDERGROUND CABLE	FOOT	19800	19800									
81300835	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 18" X 18" X 10"	EACH	2	2									
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	26	26									
81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	6	6									
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	19500	19500									
87100110	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, 6F	FOOT	7500	7500									
87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO.14 1C	FOOT	20,700	20,700									
87900100	DRILL EXISTING FOUNDATION	EACH	1	1									
87900200	DRILL EXISTING HANDHOLE	EACH	4	4									
X0322227	CLOSED CIRCUIT TELEVISION CAMERA SYSTEM	EACH	4	4									
X0325073	MODIFY EXISTING CONTROLLER CABINET TYPE B	EACH	4	4									
X0325075	CONDUIT ATTACHED TO STRUCTURE, 4" DIA., FIBERGLASS BULLET RESISTANT	FOOT	60	60									
X0325076	WIDE AREA NETWORK	L SUM	1	1									
X0325077	FIBER OPTIC UTILITY MARKER	EACH	115	115									
X0325483	SFP-GE-L SFP MODULE	EACH	9	9									
X0326412	3000 LAYER 2 SWITCH	EACH	4	4									
X8100065	CONDUIT IN TRENCH, 4" DIA., PVC TYPE C	FOOT	19500	19500									
X0327096	ETHERNET MODEM	EACH	4	4									
X8110128	CONDUIT ATTACHED TO STRUCTURE, 4" DIA., PVC TYPE C	FOOT	80	80									
X8102020	CONDUIT PUSHED, 4" DIA., PVC SCHEDULE 80	FOOT	650	650									
X8710075	FIBER OPTIC CABLE IN CONDUIT, 72 COND. S.M. F.O.	FOOT	22700	22700									
X8950212	MODIFY EXISTING CONTROLLER CABINET, SPECIAL	EACH	2	2									



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PLOT DATE = 3/1/2011	DATE -	REVISED -	SCALE: 1' = 50'		SHEET NO. OF SHEETS	STA. 575+00 TO STA. 590+00	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					



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 DATE -

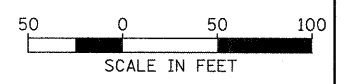
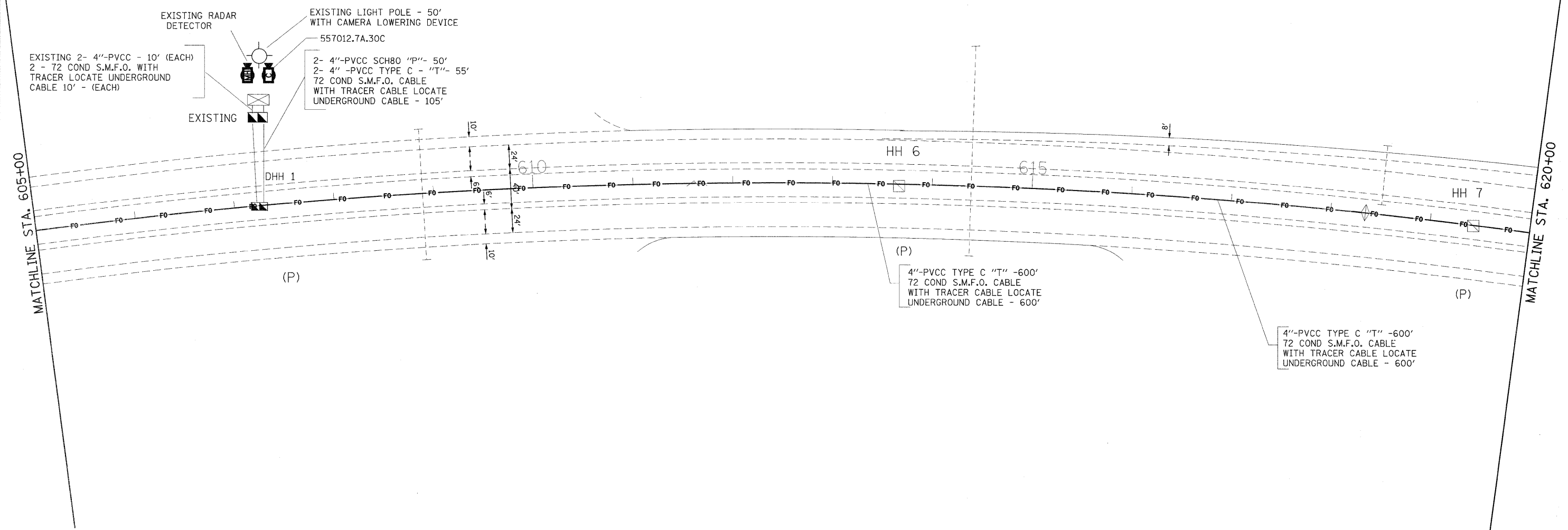
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

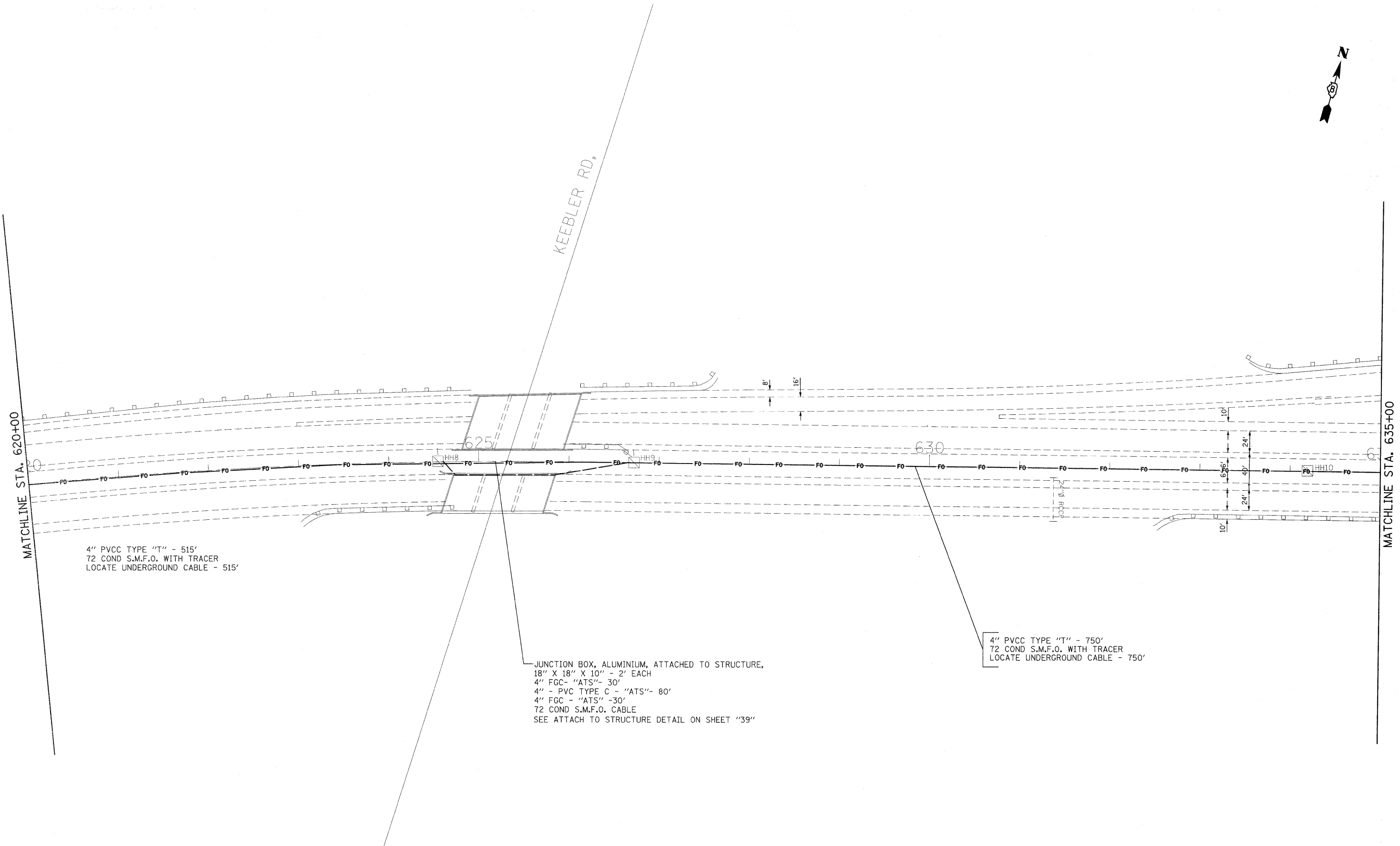
**F.A.I. ROUTE 55 /70
 ROADWAY PLANS**

SCALE: 1' = 50' SHEET NO. OF SHEETS STA. 590+00 TO STA. 605+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	NO.
55/70	DIST 8 ITS 2011-1	MADISON	39	5
CONTRACT NO. 76E82				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



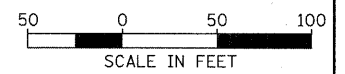
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PLOT DATE = 3/1/2011		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
				SCALE: 1' = 50'			SHEET NO.	OF	SHEETS	STA. 605+00	TO STA. 620+00	



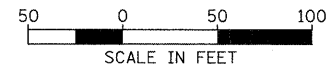
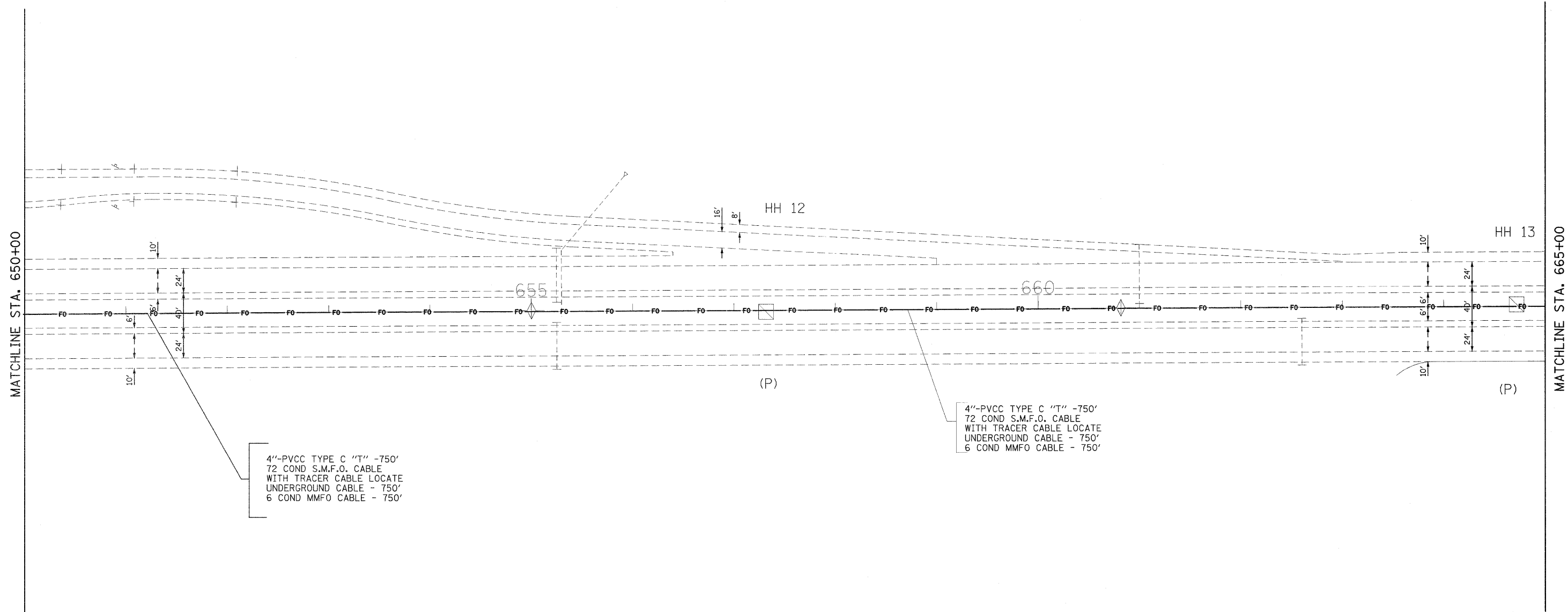
4" PVCC TYPE "T" - 515'
 72 COND S.M.F.O. WITH TRACER
 LOCATE UNDERGROUND CABLE - 515'

4" PVCC TYPE "T" - 750'
 72 COND S.M.F.O. WITH TRACER
 LOCATE UNDERGROUND CABLE - 750'

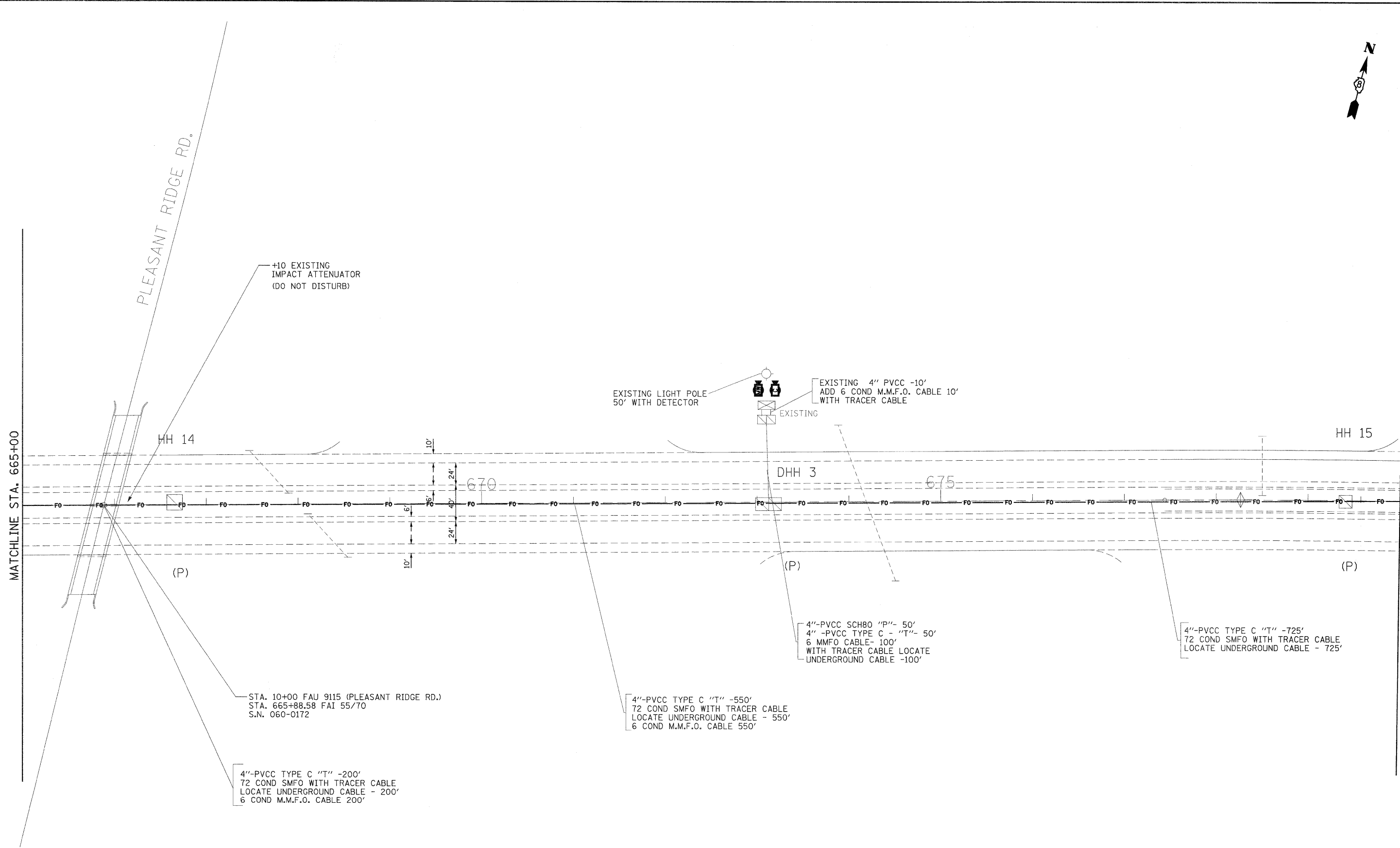
JUNCTION BOX, ALUMINIUM, ATTACHED TO STRUCTURE,
 18" X 18" X 10" - 2' EACH
 4" FGC - "ATS" - 30'
 4" - PVC TYPE C - "ATS" - 80'
 4" FGC - "ATS" - 30'
 72 COND S.M.F.O. CABLE
 SEE ATTACH TO STRUCTURE DETAIL ON SHEET "39"



FILE NAME =	USER NAME = aifordb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	F.A.I. ROUTE 55 / 70 ROADWAY PLANS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = 3/1/2011	DATE -	REVISED -		FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT						



FILE NAME =	USER NAME = aifordb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	F.A.I. ROUTE 70 ROADWAY PLANS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT DATE = 3/1/2011		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
				SCALE: 1" = 50'		SHEET NO. OF SHEETS		STA. 650+00 TO STA. 665+00			



MATCHLINE STA. 665+00

MATCHLINE STA. 680+00

+10 EXISTING
IMPACT ATTENUATOR
(DO NOT DISTURB)

EXISTING LIGHT POLE
50' WITH DETECTOR

EXISTING

EXISTING 4" PVCC -10'
ADD 6 COND M.M.F.O. CABLE 10'
WITH TRACER CABLE

HH 14

HH 15

DHH 3

670

675

(P)

(P)

(P)

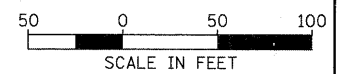
STA. 10+00 FAU 9115 (PLEASANT RIDGE RD.)
STA. 665+88.58 FAI 55/70
S.N. 060-0172

4"-PVCC TYPE C "T" -550'
72 COND SMFO WITH TRACER CABLE
LOCATE UNDERGROUND CABLE - 550'
6 COND M.M.F.O. CABLE 550'

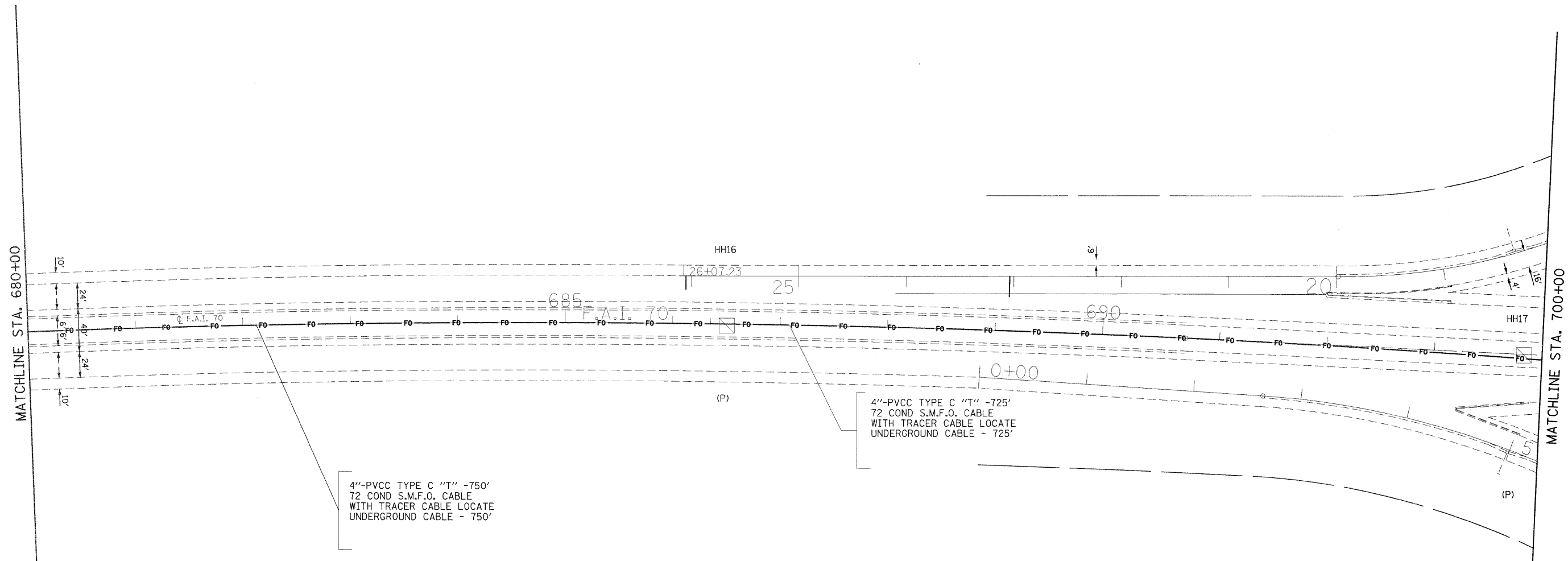
4"-PVCC SCH80 "P"- 50'
4"-PVCC TYPE C - "T"- 50'
6 MMFO CABLE- 100'
WITH TRACER CABLE LOCATE
UNDERGROUND CABLE -100'

4"-PVCC TYPE C "T" -725'
72 COND SMFO WITH TRACER CABLE
LOCATE UNDERGROUND CABLE - 725'

4"-PVCC TYPE C "T" -200'
72 COND SMFO WITH TRACER CABLE
LOCATE UNDERGROUND CABLE - 200'
6 COND M.M.F.O. CABLE 200'

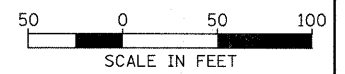


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	PLOT DATE = 3/1/2011	DATE -	REVISED -		CONTRACT NO. 76E82			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

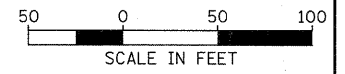
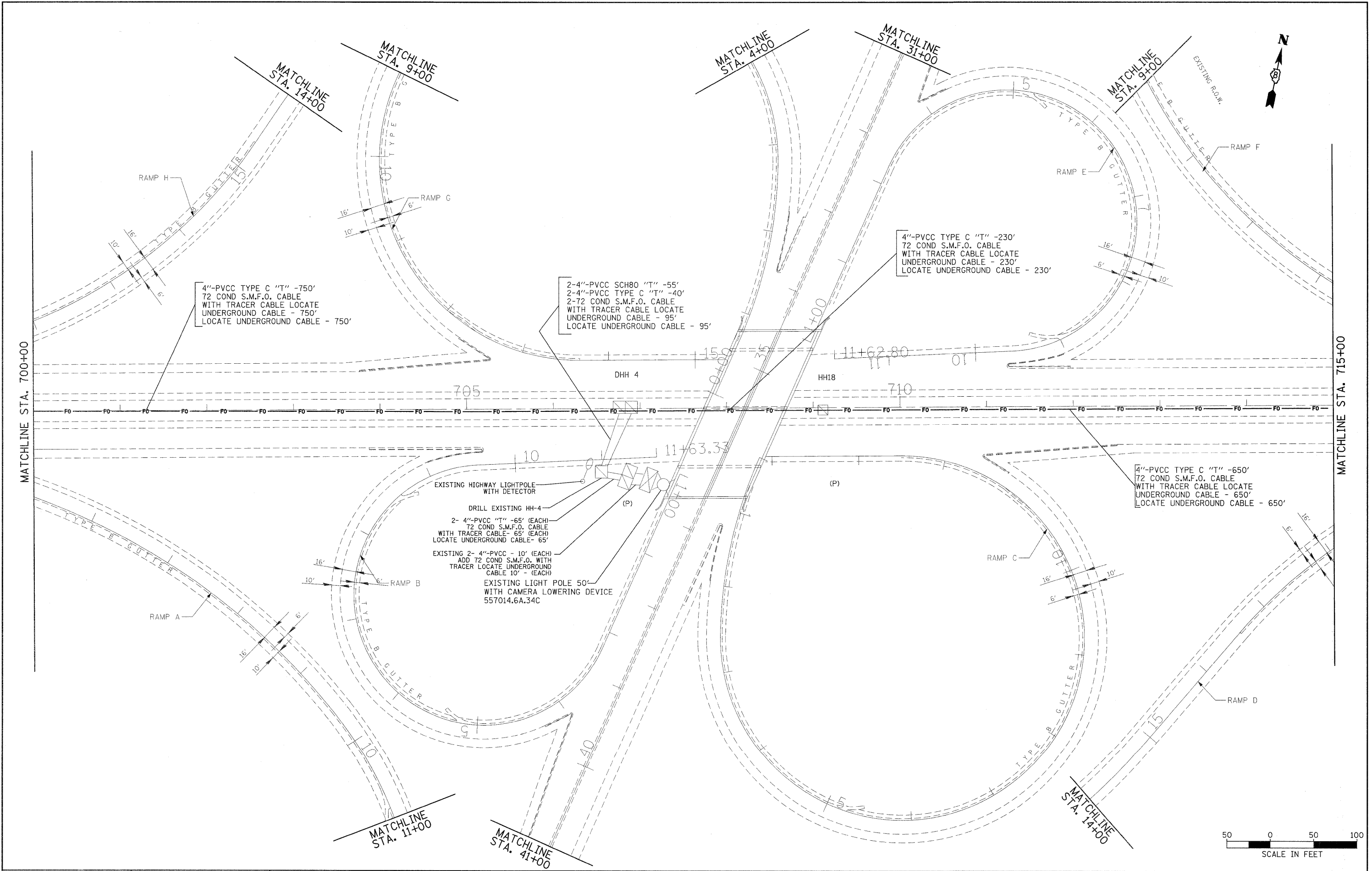


4"-PVC TYPE C "T" -750'
72 COND S.M.F.O. CABLE
WITH TRACER CABLE LOCATE
UNDERGROUND CABLE - 750'

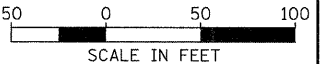
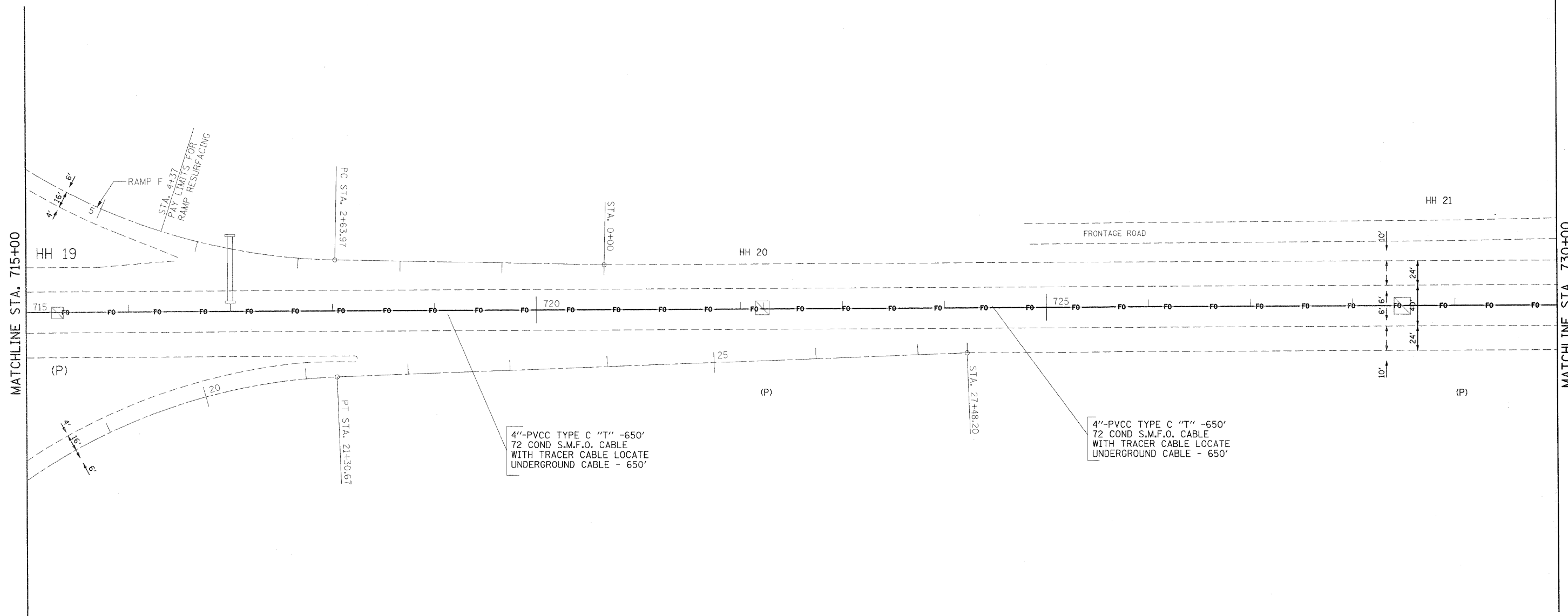
4"-PVC TYPE C "T" -725'
72 COND S.M.F.O. CABLE
WITH TRACER CABLE LOCATE
UNDERGROUND CABLE - 725'



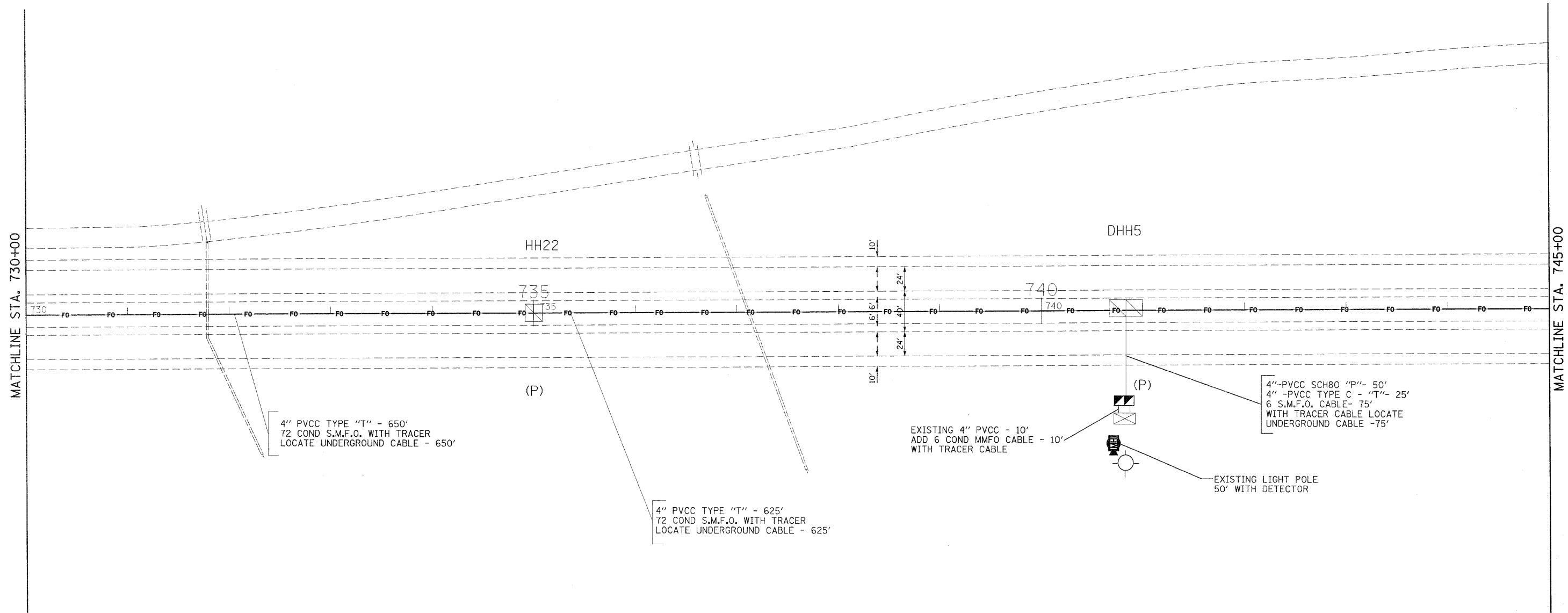
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	82-sht-ITS.dgn	DRAWN -	REVISED -					CONTRACT NO. 76E82				
	PLOT SCALE = 50,00000 ' / IN.	CHECKED -	REVISED -					SCALE: 1' = 50'				
	PLOT DATE = 3/1/2011	DATE -	REVISED -					SHEET NO. OF SHEETS STA. 680+00 TO STA. 700+00				
								FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		



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		CHECKED -	REVISED -		STA. 700+00	TO STA. 715+00		CONTRACT NO. 76E82					
		DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								



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or:\pwwork\pawdot\alfordb\d0248360\87682-ahs-ITS.dgn	PLOT SCALE = 50,0000 ' / IN.	DRAWN -	REVISED -		SCALE: 1" = 50'	SHEET NO.	OF	SHEETS	STA. 715+00	TO STA. 730+00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT
	PLOT DATE = 3/1/2011	CHECKED -	REVISED -									
		DATE -	REVISED -									
											CONTRACT NO. 76E82	



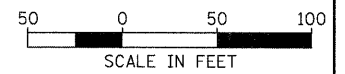
4" PVCC TYPE "T" - 650'
72 COND S.M.F.O. WITH TRACER
LOCATE UNDERGROUND CABLE - 650'

4" PVCC TYPE "T" - 625'
72 COND S.M.F.O. WITH TRACER
LOCATE UNDERGROUND CABLE - 625'

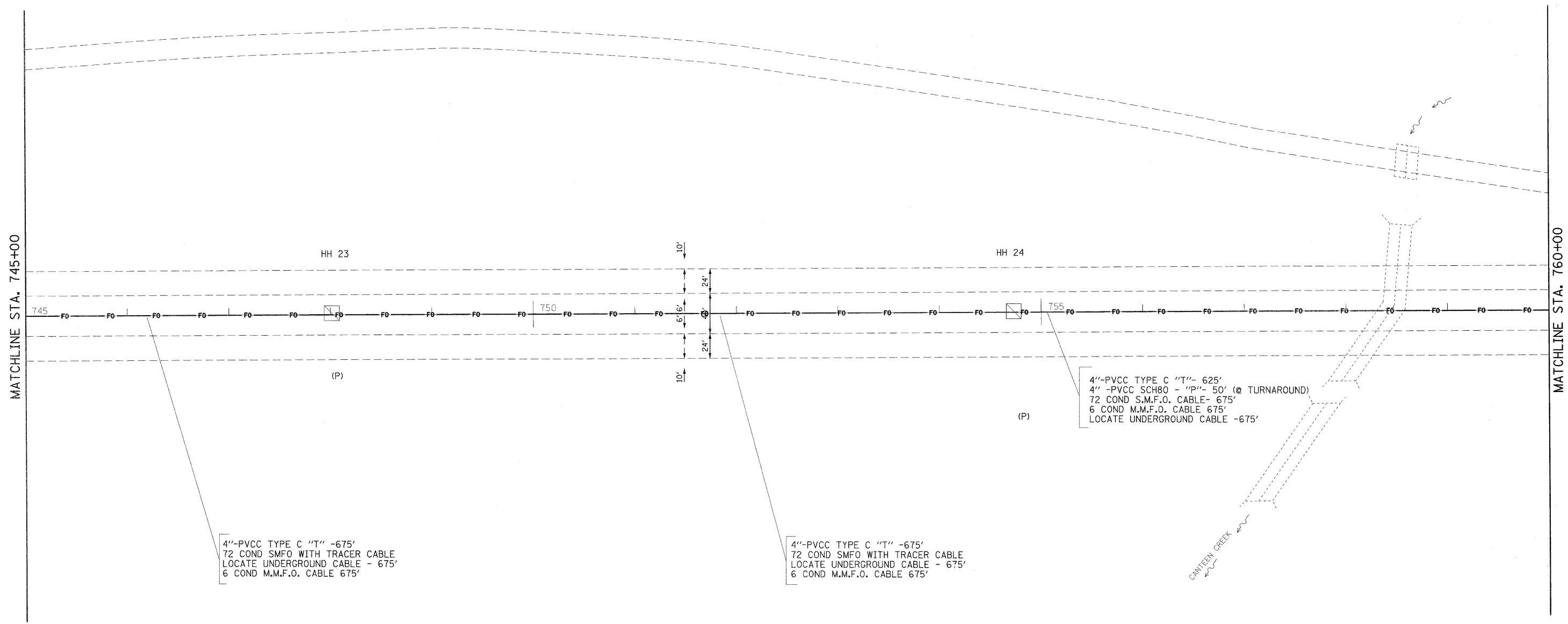
EXISTING 4" PVCC - 10'
ADD 6 COND MMFO CABLE - 10'
WITH TRACER CABLE

4"-PVCC SCH80 "P"- 50'
4" -PVCC TYPE C - "T"- 25'
6 S.M.F.O. CABLE- 75'
WITH TRACER CABLE LOCATE
UNDERGROUND CABLE -75'

EXISTING LIGHT POLE
50' WITH DETECTOR



FILE NAME = c:\pwork\pwork\alford\0248960\d876	USER NAME = alfordb 82-shr-ITS.dgn	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	F.A.I. ROUTE 55 /70 ROADWAY PLANS			F.A.I. RTE. 55/70	SECTION DIST 8 ITS 2011-1	COUNTY MADISON	TOTAL SHEETS 39	SHEET NO. 14
	PLOT SCALE = 50,0000 ' / IN.	CHECKED -	REVISED -		SCALE: 1' = 50'	SHEET NO. OF SHEETS	STA. 730+00 TO STA. 745+00	CONTRACT NO. 76E82				
	PLOT DATE = 3/1/2011	DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

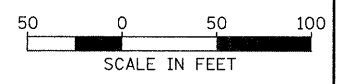


4"-PVCC TYPE C "T" -675'
 72 COND SMFO WITH TRACER CABLE
 LOCATE UNDERGROUND CABLE - 675'
 6 COND M.M.F.O. CABLE 675'

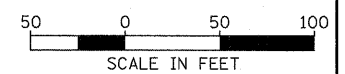
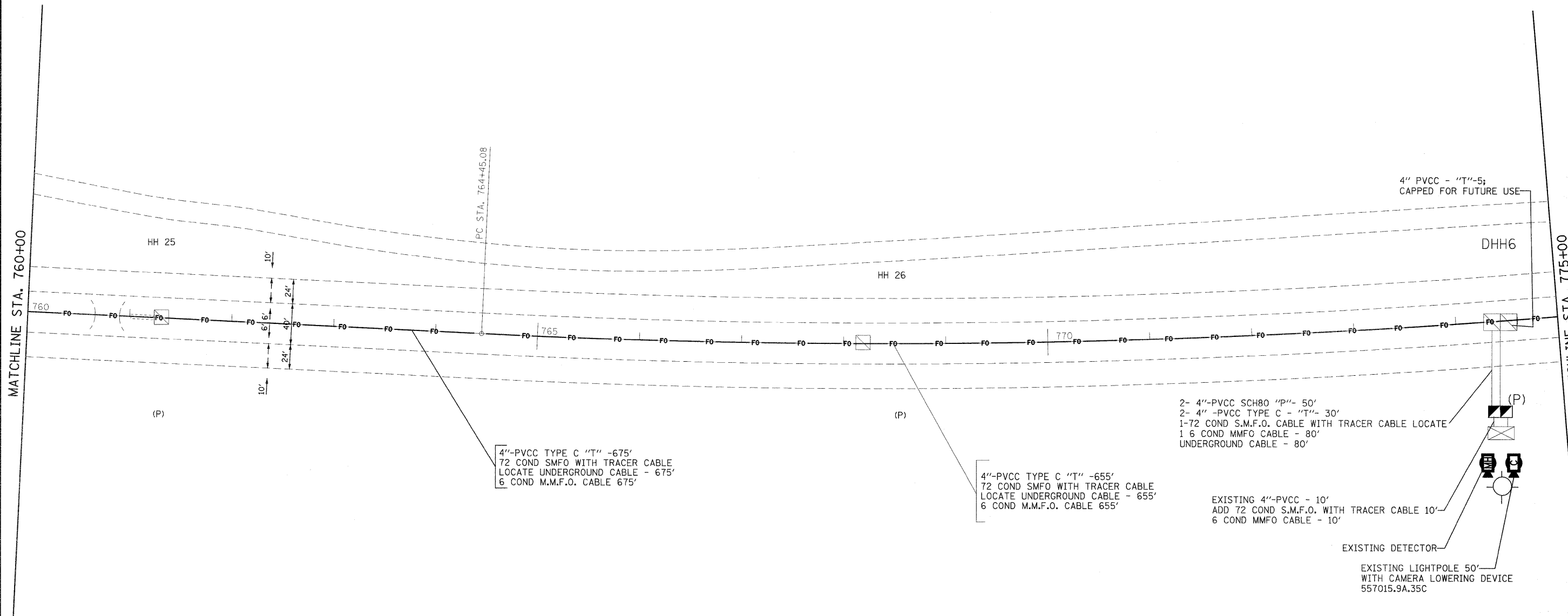
4"-PVCC TYPE C "T" -675'
 72 COND SMFO WITH TRACER CABLE
 LOCATE UNDERGROUND CABLE - 675'
 6 COND M.M.F.O. CABLE 675'

4"-PVCC TYPE C "T" - 625'
 4" -PVCC SCH80 - "P" - 50' (@ TURNAROUND)
 72 COND S.M.F.O. CABLE - 675'
 6 COND M.M.F.O. CABLE 675'
 LOCATE UNDERGROUND CABLE -675'

CAMTEEN CREEK



FILE NAME = c:\pw\work\p\dot\alfordb\d0248960\d0876	USER NAME = alfordb 82-shr-ITS.dgn	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	F.A.I. ROUTE 55 /70 ROADWAY PLANS			F.A.I. RTE. 55/70	SECTION DIST 8 ITS 2011-1	COUNTY MADISON	TOTAL SHEETS 39	SHEET NO. 15
	PLOT SCALE = 50.0000 ' / IN.	DRAWN -	REVISED -					SCALE: 1' = 50'	SHEET NO.	OF SHEETS	STA. 745+00	TO STA. 760+00
	PLOT DATE = 3/1/2011	CHECKED -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
		DATE -	REVISED -									



FILE NAME =	USER NAME = aifordb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	F.A.I. ROUTE 55 /70 ROADWAY PLANS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwwork\pwwork\aifordb\d0248960\d876	a82-shr-ITS.dgn	DRAWN -	REVISED -		SCALE: 1' = 50'	SHEET NO.	OF	SHEETS	55/70	DIST 8 ITS 2011-1	MADISON	39	16
	PLOT SCALE = 50.0000 ' / IN.	CHECKED -	REVISED -		STA. 760+00	TO STA. 775+00	CONTRACT NO. 76E82						
	PLOT DATE = 3/1/2011	DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								

THIS PLAN HAS BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF THE NPDES PERMIT NUMBER ILR10, ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES. THIS PLAN HAS ALSO BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF NPDES PERMIT NUMBER ILR40 FOR DISCHARGES FROM SMALL MUNICIPALISEPANTE STORM SEWER SYSTEMS IF CHECKED BELOW:
 IL R40 PERMIT NO. 0493

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

MARY C. LAMIE	
PRINT NAME	SIGNATURE
DEPUTY DIRECTOR OF HIGHWAYS REGION FIVE ENGINEER	
TITLE	DATE
IL DEPT. OF TRANSPORTATION AGENCY	

I. SITE DESCRIPTION:

A. THE FOLLOWING IS A DESCRIPTION OF THE PROJECT LOCATION:

THE PROJECT IS LOCATED IN MADISON COUNTY ALONG A SECTION OF I-55/70 FROM APPROXIMATELY 1.3 MILES EAST OF THE ILLINOIS ROUTE 157 TO MILE POINT 15.9.

B. THE FOLLOWING IS A DESCRIPTION OF THE CONSTRUCTION ACTIVITY WHICH IS THE SUBJECT OF THIS PLAN:

THIS PROJECT WILL CONSIST OF THE INSTALLATION OF PVC CONDUIT AND FIBER OPTIC CABLE FOR NECESSARY FOR THE OPERATION OF THE PREVIOUSLY PLACED ITS EQUIPMENT WITHIN THE PROJECT LIMITS. CONDUIT WILL BE PLACED IN THE GROUND UTILIZING CUT TRENCHES AND ALSO PUSHED UNDER THE PAVEMENT. OTHER ITEMS OF WORK INCLUDE THE CONSTRUCTION OF CONCRETE HAND HOLES, INSTALLATION OF CAMERA LOWERING DEVICES, AND INSTALLATION OF CONTROLLER EQUIPMENT INTO PREVIOUS CONSTRUCTED CABINETS.

C. THIS PROJECT WILL NOT BE STAGED; HOWEVER, THE MAJOR ITEM OF WORK WHICH DISTURB THE SOIL WITHIN THE PROJECT LIMITS WILL BE THE PLACEMENT OF THE PVC CONDUIT IN A TRENCH. THIS WORK WILL BEGIN IMMEDIATELY AND CONTINUE THROUGH PROJECT COMPLETION.

D. THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 1.25 ACRES.

THE TOTAL AREA OF THE SITE THAT IS ESTIMATED WILL BE DISTURBED BY EXCAVATION, GRADING OR OTHER ACTIVITIES IS 1.25 ACRES.

E. THE FOLLOWING IS A WEIGHTED AVERAGE OF THE RUNOFF COEFFICIENT FOR THIS PROJECT AFTER CONSTRUCTION ACTIVITIES ARE COMPLETED: 0.65

F. THE FOLLOWING IS A DESCRIPTION OF THE SOIL TYPES FOUND AT THE PROJECT SITE FOLLOWED BY INFORMATION REGARDING THEIR EROSIONIVITY:

SEVENTEEN SOIL TYPES HAVE BEEN IDENTIFIED WITHIN THE PROJECT SITE. APPROXIMATELY 70% OF THE PROJECT SITE CONSISTS OF TWO SOIL TYPES: ORTHENTS SILT AND MENFRO SILT LOAM.

ORTHENTS SILT (801D)--A SOMEWHAT POORLY DRAINED SOIL WITH MODERATE PERMEABILITY. THIS DISTURBED SOIL HAS BEEN USED AS ROAD FILL FOR I-70, ITS RAMPS AND OTHER ROADS IN MADISON COUNTY. THIS SOIL HAS A SLIGHT SUSCEPTIBILITY TO WATER AND WIND EROSION BASED ON ITS PRESENT SLOPES.

MENFRO SILT LOAM (79B)--A GENERALLY WELL DRAINED SOIL WITH MODERATE PERMEABILITY. THIS DISTURBED SOIL HAS IDENTICAL VALUES TO ORTHENTS SILT FOR WATER AND WIND EROSION SUSCEPTIBILITY.

APPROXIMATELY 30% OF THE PROJECT SITE CONTAINS THE FOLLOWING SOILS.

WILBUR SILT LOAM (3336A)--A MODERATELY WELL DRAINED SILTY ALLUVIUM WITH MODERATE PERMEABILITY. THIS SOIL IS TYPICALLY FOUND IN FLOOD PLAINS.

CASEYVILLE SILT LOAM (267A)--A SOMEWHAT POORLY DRAINED SOIL WITH MODERATE PERMEABILITY. THIS SOIL IS TYPICALLY FOUND ON NEARLY LEVEL SUMMITS.

EDWARDSVILLE SILT LOAM (384A)--A SOMEWHAT POORLY DRAINED SOIL WITH MODERATE PERMEABILITY. THIS SOIL IS TYPICALLY FOUND IN GENTLY SLOPING AREAS.

MASCOUTAH SILTY CLAY LOAM (385A)--A POORLY DRAINED SOIL WITH A MODERATE PERMEABILITY. THIS SOIL IS THE ONLY SOIL IN THE PROJECT SITE THAT MEETS THE DEFINITION OF A HYDRIC SOIL. THIS SOIL IS TYPICALLY FOUND IN AREAS BETWEEN TWO DRAINAGEWAYS THAT SHEDS WATER TO THOSE DRAINAGEWAYS. HOWEVER, NO WETLAND IS ASSOCIATED WITH THIS SOIL IN ITS LOCATION TO THE PROJECT SITE.

WINFIELD-ORTHENTS-URBAN LAND COMPLEX (2477B)--A MODERATELY WELL DRAINED SOIL WITH MODERATE PERMEABILITY THAT HAS BEEN ALTERED THROUGH CUT AND FILL ACTIVITY.

ORION SILT LOAM (3415A)--A SOMEWHAT POORLY DRAINED SOIL WITH MODERATE PERMEABILITY THAT IS TYPICALLY FOUND IN FLOOD PLAINS.

WINFIELD SILT LOAM (477B)--A MODERATELY WELL DRAINED SOIL WITH MODERATE PERMEABILITY. THIS SOIL IS TYPICALLY FOUND WHERE EROSIONAL SIDE SLOPES ARE PRESENT.

WINFIELD SILTY CLAY LOAM (477D3)--LIKE WINFIELD SILT LOAM, THIS SOIL IS MODERATELY WELL DRAINED WITH MODERATE PERMEABILITY THAT CAN TYPICALLY BE FOUND WHERE EROSIONAL SIDE SLOPES ARE PRESENT.

SYLVAN-BOLD SILT LOAM (962D2)--A WELL DRAINED SOIL WITH MODERATE PERMEABILITY. THIS SOIL IS USUALLY FOUND ON HILL SLOPES.

SYLVAN BOLD SILT LOAM (962F2)--VIRTUALLY IDENTICAL TO SYLVAN-BOLD SILT LOAM 962D2 DESCRIBED ABOVE.

MENFRO SILT LOAM (79C2)-- A WELL DRAINED SOIL WITH MODERATE PERMEABILITY THAT IS TYPICALLY FOUND ON SUMMITS, SLOPES AND BACKSLOPES.

MENFRO SILTY CLAY LOAM (79D3)--A WELL DRAINED SOIL WITH MODERATE PERMEABILITY THAT IS USUALLY FOUND ON EROSIONAL SIDE SLOPES.

MENFRO SILT LOAM (79F)--LIKE THE OTHER MENFRO SILTS, THIS IS A WELL DRAINED SOIL WITH MODERATE PERMEABILITY. THIS SOIL IS USUALLY FOUND ON SIDE SLOPES.

DOWN SOUTH SILT LOAM (283B)--A MODERATELY WELL DRAINED SOIL WITH MODERATE PERMEABILITY THAT IS TYPICALLY FOUND ON SUMMITS, SLOPES AND BACKSLOPES.

ORTHENTS SILTY UNULATING (801B)--A SOMEWHAT POORLY DRAINED SOIL TYPICALLY FOUND ON TILL PLAINS. PERMEABILITY FOR THIS SOIL RANGES FROM MODERATELY SLOW TO MODERATE.

G. THE FOLLOWING IS A DESCRIPTION OF POTENTIALLY EROSIONAL AREAS ASSOCIATED WITH THIS PROJECT:

AREAS MOST SUSCEPTIBLE TO EROSION ON THIS PROJECT ARE WHERE TWO WINFIELD SILT LOAMS, TWO SYLVAN-BOLD SILT LOAMS, AND TWO MENFRO SILT LOAMS ARE PRESENT AT SLOPES THAT EXCEED 2 PERCENT. THE CUMULATIVE LINEAR AREA WHERE THESE SOILS ARE FOUND IS LESS THAN 1 1/2 MILES LOCATED BETWEEN 1.0 MILE NORTH OF IL 157 AND 1.0 MILE EAST OF THE IL 159 INTERCHANGE.

H. THE FOLLOWING IS A DESCRIPTION OF SOIL DISTURBING ACTIVITIES, THEIR LOCATIONS, AND THEIR EROSIONAL FACTORS (E.G. STEEPNESS OF SLOPES, LENGTH OF SLOPES, ETC):

TWO TYPES OF SOIL DISTURBING WILL OCCUR ON THIS PROJECT. 1. CONDUIT IN TRENCH. 2. HAND HOLE CONSTRUCTION. TRENCHED CONDUIT WILL BE PLACED IN A 2 FOOT WIDE TRENCH APPROXIMATELY 3 FEET DEEP IN THE MEDIAN OF INTERSTATE 55/70 WITHIN THE PROJECT LIMITS. TEMPORARY AND PERMANENT SEEDING WILL BE UTILIZED TO MITIGATE EROSION AT TRENCH LOCATIONS. SEVERAL HAND HOLES WILL BE CONSTRUCTED WITHIN THE MEDIAN AND AT CABINET FOUNDATIONS THROUGHOUT THE PROJECT LIMITS. SEEDING WILL ALSO BE UTILIZED AT THESE LOCATIONS. MEDIAN DRAINAGE STRUCTURES ARE LOCATED NEAR THE WEIGH STATION AND PERIMETER INLET PROTECTION SHALL BE USED TO PROTECT THESE INLETS. THE PROJECT HAS NO OFF-SITE SOIL DISTURBING CONSTRUCTION ACTIVITIES.

I. SEE THE EROSION CONTROL PLANS AND/OR DRAINAGE PLANS FOR THIS CONTRACT FOR INFORMATION REGARDING DRAINAGE PATTERNS, APPROXIMATE SLOPES ANTICIPATED BEFORE AND AFTER MAJOR GRADING ACTIVITIES, LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE AND CONTROLS TO PREVENT OFF SITE SEDIMENT TRACKING (TO BE ADDED AFTER CONTRACTOR IDENTIFIES LOCATIONS), AREAS OF SOIL DISTURBANCE, THE LOCATION OF MAJOR STRUCTURAL AND NON-STRUCTURAL CONTROLS IDENTIFIED IN THE PLAN, THE LOCATION OF AREAS WHERE STABILIZATION PRACTICES ARE EXPECTED TO OCCUR, SURFACE WATERS (INCLUDING WETLANDS) AND LOCATIONS WHERE STORM WATER IS DISCHARGED TO SURFACE WATER INCLUDING WETLANDS.

J. THE FOLLOWING IS A LIST OF RECEIVING WATER(S) AND THE ULTIMATE RECEIVING WATER(S), AND AERIAL EXTENT OF WETLAND ACREAGE AT THE SITE. THE LOCATION OF THE RECEIVING WATERS CAN BE FOUND ON THE EROSION AND SEDIMENT CONTROL PLANS:

CANTEEN CREEK AND A DRAINAGE DITCH THAT EMPTIES INTO THE WENDELL BRANCH OF SILVER CREEK, NO WETLANDS ARE PRESENT ON THIS PROJECT.

K. THE FOLLOWING POLLUTANTS OF CONCERN WILL BE ASSOCIATED WITH THIS CONSTRUCTION PROJECT: (CHECK ALL THAT APPLY)

- | | |
|--|---|
| <input checked="" type="checkbox"/> SOIL SEDIMENT | <input type="checkbox"/> PETROLEUM (GAS, DIESEL, OIL, KEROSENE, HYDRAULIC OIL/FLUIDS) |
| <input type="checkbox"/> CONCRETE | <input type="checkbox"/> ANTIFREEZE / COOLANTS |
| <input type="checkbox"/> CONCRETE TRUCK WASTE | <input type="checkbox"/> WASTE WATER FROM CLEANING CONSTRUCTION EQUIPMENT |
| <input type="checkbox"/> CONCRETE CURING COMPOUNDS | <input type="checkbox"/> OTHER (SPECIFY)..... |
| <input type="checkbox"/> SOLID WASTE DEBRIS | <input type="checkbox"/> OTHER (SPECIFY)..... |
| <input type="checkbox"/> PAINTS | <input type="checkbox"/> OTHER (SPECIFY)..... |
| <input type="checkbox"/> SOLVENTS | <input type="checkbox"/> OTHER (SPECIFY)..... |
| <input type="checkbox"/> FERTILIZERS / PESTICIDES | <input type="checkbox"/> OTHER (SPECIFY)..... |

THIS SECTION OF THE PLAN ADDRESSES THE CONTROLS THAT WILL BE IMPLEMENTED FOR EACH OF THE MAJOR CONSTRUCTION ACTIVITIES DESCRIBED IN I.C. ABOVE AND FOR ALL USE AREAS, BORROW SITES, AND WASTE SITES. FOR EACH MEASURE DISCUSSED, THE CONTRACTOR WILL BE RESPONSIBLE FOR ITS IMPLEMENTATION AS INDICATED. THE CONTRACTOR SHALL PROVIDE TO THE RESIDENT ENGINEER A PLAN FOR THE IMPLEMENTATION OF THE MEASURES INDICATED. THE CONTRACTOR, AND SUBCONTRACTORS, WILL NOTIFY THE RESIDENT ENGINEER OF ANY PROPOSED CHANGES, MAINTENANCE, OR MODIFICATIONS TO KEEP CONSTRUCTION ACTIVITIES COMPLIANT WITH THE PERMIT. EACH SUCH CONTRACTOR HAS SIGNED THE REQUIRED CERTIFICATION ON FORMS WHICH ARE ATTACHED TO, AND ARE A PART OF THIS PLAN.

A. EROSION AND SEDIMENT CONTROL

1. STABILIZED PRACTICES: PROVIDED BELOW IS A DESCRIPTION OF INTERIM AND PERMANENT STABILIZATION PRACTICES, INCLUDING SITE SPECIFIC SCHEDULING OF THE IMPLEMENTATION OF THE PRACTICES. SITE PLANS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES MAY INCLUDE BUT ARE NOT LIMITED TO: TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, GEOTEXTILES, SODDING, VEGETATIVE BUFFER STRIPS, PROTECTION OF TREES, PRESERVATION OF MATURE VEGETATION, AND OTHER APPROPRIATE MEASURES. EXCEPT AS PROVIDED BELOW IN II(A)(1)(d) AND II(A)(3), STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED ON ALL DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION WILL NOT OCCUR FOR A PERIOD OF 14 OR MORE CALENDAR DAYS.

2. TEMPORARY EROSION CONTROL SEEDING, PERMANENT SEEDING, EROSION CONTROL BLANKET/MULCH TEMPORARY EROSION CONTROL SEEDING - THIS WILL BE APPLIED TO ALL BARE AREAS, AS DETERMINED BY THE ENGINEER, TO MINIMIZE THE AMOUNT OF EXPOSED SURFACE AREA. PERMANENT SEEDING - SEEDING CLASS 2 WILL BE USED PER IDOT SPECIFICATIONS. MULCHING - MULCH WILL BE APPLIED WHEN THE PERMANENT SEEDING IS DONE. EROSION CONTROL BLANKET WILL NOT BE NEEDED.

THE FOLLOWING STABILIZATION PRACTICES WILL BE USED FOR THIS PROJECT: (CHECK ALL THAT APPLY)

DESCRIBE HOW THE STABILIZATION PRACTICES LISTED ABOVE WILL BE UTILIZED:

1. TEMPORARY EROSION CONTROL SEEDING - THIS ITEM WILL BE APPLIED TO ALL BARE AREAS EVERY SEVEN DAYS TO MINIMIZE THE AMOUNT OF EXPOSED SURFACE AREAS.

EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN 14 DAYS.

WITHIN THE CONSTRUCTION LIMITS, AREAS WHICH MAY BE SUSCEPTIBLE TO EROSION AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION.

BARE AND SPARSELY VEGETATED GROUND IN HIGHLY ERODIBLE AREAS AS DETERMINED BY THE ENGINEER SHALL BE TEMPORARILY SEEDED AT THE BEGINNING OF CONSTRUCTION WHERE NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN 7 DAYS.

2. PERMANENT SEEDING - SEEDING, CLASS 2 WILL BE INSTALLED PER IDOT SPECIFICATIONS.

3. MULCH AS APPLIED TO TEMPORARY EROSION CONTROL SEEDING SHALL BE BY THE METHOD SPECIFIED IN THE CONTRACT AND AT THE DIRECTION OF THE ENGINEER. MULCH WILL BE PAID SEPARATELY AND SHALL CONFORM TO SECTION 251 OF THE STANDARD SPECIFICATIONS.

2. STRUCTURAL PRACTICES: PROVIDED BELOW IS A DESCRIPTION OF STRUCTURAL PRACTICES THAT WILL BE IMPLEMENTED, TO THE DEGREE ATTAINABLE, TO DIVERT FLOWS FROM EXPOSED SOILS, STORE FLOWS OR OTHERWISE LIMIT RUNOFF AND THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SUCH PRACTICES MAY INCLUDE BUT ARE NOT LIMITED TO: PERIMETER EROSION BARRIER, EARTH DIKES, DRAINAGE SWALES, SEDIMENT TRAPS, DITCH CHECKS, SUBSURFACE DRAINS, PIPE SLOPE DRAINS, LEVEL SPREADERS, STORM DRAIN INLET PROTECTION, ROCK OUTLET PROTECTION, REINFORCED SOIL RETAINING SYSTEMS, GABIONS, AND TEMPORARY OR PERMANENT SEDIMENT BASINS. THE INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE CLEAN WATER ACT.

THE FOLLOWING STRUCTURAL PRACTICES WILL BE USED FOR THIS PROJECT:

- | | |
|--|--|
| <input type="checkbox"/> PERIMETER EROSION BARRIER | <input type="checkbox"/> ROCK OUTLET PROTECTION |
| <input type="checkbox"/> TEMPORARY DITCH CHECK | <input type="checkbox"/> RIPRAP |
| <input checked="" type="checkbox"/> STORM DRAIN INLET PROTECTION | <input type="checkbox"/> GABIONS |
| <input type="checkbox"/> SEDIMENT TRAP | <input type="checkbox"/> SLOPE MATRESS |
| <input type="checkbox"/> TEMPORARY PIPE SLOPE DRAIN | <input type="checkbox"/> RETAINING WALLS |
| <input type="checkbox"/> TEMPORARY SEDIMENT BASIN | <input type="checkbox"/> SLOPE WALLS |
| <input type="checkbox"/> TEMPORARY STREAM CROSSING | <input type="checkbox"/> CONCRETE REVETMENT MATS |
| <input type="checkbox"/> STABILIZED CONSTRUCTION EXITS | <input type="checkbox"/> LEVEL SPREADERS |
| <input type="checkbox"/> TURF REINFORCEMENT MATS | <input type="checkbox"/> OTHER (SPECIFY)..... |
| <input type="checkbox"/> PERMANENT CHECK DAMS | <input type="checkbox"/> OTHER (SPECIFY)..... |
| <input type="checkbox"/> PERMANENT SEDIMENT BASIN | <input type="checkbox"/> OTHER (SPECIFY)..... |
| <input type="checkbox"/> AGGREGATE DITCH | <input type="checkbox"/> OTHER (SPECIFY)..... |
| <input type="checkbox"/> PAVED DITCH | <input type="checkbox"/> OTHER (SPECIFY)..... |

DESCRIBE HOW THE STRUCTURAL PRACTICES LISTED ABOVE WILL BE UTILIZED:

1. STORM DRAIN INLET PROTECTION - INLET AND PIPE PROTECTION WILL BE PROVIDED FOR STORM SEWERS AND CULVERTS. SEDIMENT FILTERS WILL BE PLACED IN ALL INLETS, CATCH BASINS AND MANHOLES DURING CONSTRUCTION AND WILL BE CLEANED ON A REGULAR BASIS.

AS SOON AS REASONABLE ACCESS IS AVAILABLE TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, TEMPORARY DITCH CHECKS, INLET AND PIPE PROTECTION, AND PERIMETER EROSION BARRIER SHALL BE INSTALLED AS CALLED OUT IN THIS PLAN AND DIRECTED BY THE ENGINEER.

ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO THE APPROVAL AND USE OF THE PRODUCT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATION BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURER INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.

FILE NAME	USER NAME = alfordb	DESIGNED -	REVISED - 4-20-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SWPPP PLAN	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pwork\pilot\alfordb\d24896\d87682-sh4-ITS.dgn		DRAWN -	REVISED -			55/70	DIST 8 ITS 2011-1	MADISON	39	17
PLOT SCALE = 50.0000 ' / IN.		CHECKED -	REVISED -			CONTRACT NO. 76E82				
PLOT DATE = 3/1/2011		DATE -	REVISED -			SCALE:	SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	

3. STORM WATER MANAGEMENT: PROVIDED BELOW IS A DESCRIPTION OF MEASURES THAT WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS TO CONTROL POLLUTANTS IN STORM WATER DISCHARGES THAT WILL OCCUR AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED. THE INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE CLEAN WATER ACT.

- a. SUCH PRACTICES MAY INCLUDE BUT ARE NOT LIMITED TO: STORM WATER DETENTION STRUCTURES (INCLUDING WET PONDS), STORM WATER RETENTION STRUCTURES, FLOW ATTENUATION BY USE OF OPEN VEGETATED SWALES AND NATURAL DEPRESSIONS, INFILTRATION OF RUNOFF ON SITE, AND SEQUENTIAL SYSTEMS (WHICH COMBINE SEVERAL PRACTICES). THE PRACTICES SELECTED FOR IMPLEMENTATION WERE DETERMINED ON THE BASIS OF THE TECHNICAL GUIDANCE IN SECTION 59-8 (EROSION AND SEDIMENT CONTROL) IN CHAPTER 59 (LANDSCAPE DESIGN AND EROSION CONTROL) OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION BUREAU OF DESIGN AND ENVIRONMENT MANUAL. IF PRACTICES OTHER THAN THOSE DISCUSSED IN SECTION 59-8 ARE SELECTED FOR IMPLEMENTATION OR IF PRACTICES ARE APPLIED TO SITUATIONS DIFFERENT FROM THOSE COVERED IN SECTION 59-8, THE TECHNICAL BASIS FOR SUCH DECISIONS WILL BE EXPLAINED BELOW.
- b. VELOCITY DISSIPATION DEVICES WILL BE PLACED AT DISCHARGE LOCATIONS AND ALONG THE LENGTH OF ANY OUTFALL CHANNEL AS NECESSARY TO PROVIDE A NON-EROSIVE VELOCITY FLOW FROM THE STRUCTURE TO A WATER COURSE SO THAT THE NATURAL PHYSICAL AND BIOLOGICAL CHARACTERISTICS AND FUNCTIONS ARE MAINTAINED AND PROTECTED (E.G. MAINTENANCE OF HYDROLOGIC CONDITIONS SUCH AS THE HYDROPERIOD AND HYDRODYNAMICS PRESENT PRIOR TO THE INITIATION OF CONSTRUCTION ACTIVITIES).

DESCRIPTION OF STORM WATER MANAGEMENT CONTROLS:

NO STORM WATER DETENTION IS REQUIRED FOR THIS PROJECT.

4. OTHER CONTROLS:

- a. VEHICLE ENTRANCES AND EXITS - STABILIZED CONSTRUCTION ENTRANCES AND EXITS MUST BE CONSTRUCTED TO PREVENT TRACKING OF SEDIMENTS ONTO ROADWAYS.

THE CONTRACTOR WILL PROVIDE THE RESIDENT ENGINEER WITH A WRITTEN PLAN IDENTIFYING THE LOCATION OF STABILIZED ENTRANCES AND EXITS AND THE PROCEDURES (SHE WILL USE TO CONSTRUCT AND MAINTAIN THEM).
- b. MATERIAL DELIVERY, STORAGE, AND USE - THE FOLLOWING BMPs SHALL BE IMPLEMENTED TO HELP PREVENT DISCHARGES OF CONSTRUCTION MATERIALS DURING DELIVERY, STORAGE, AND USE:
 - ALL PRODUCTS DELIVERED TO THE PROJECT SITE MUST BE PROPERLY LABELED.
 - WATER TIGHT SHIPPING CONTAINERS AND/OR SEMI TRAILERS SHALL BE USED TO STORE HAND TOOLS, SMALL PARTS, AND MOST CONSTRUCTION MATERIALS THAT CAN BE CARRIED BY HAND, SUCH AS PAINT CANS, SOLVENTS, AND GREASE.
 - A STORAGE/CONTAINMENT FACILITY SHOULD BE CHOSEN FOR LARGER ITEMS SUCH AS DRUMS AND ITEMS SHIPPED OR STORED ON PALLETS. SUCH MATERIAL IS TO BE COVERED BY A TIN ROOF OR LARGE SHEETS OF PLASTIC TO PREVENT PRECIPITATION FROM COMING IN CONTACT WITH THE PRODUCTS BEING STORED.
 - LARGE ITEMS SUCH AS LIGHT STANDS, FRAMING MATERIALS AND LUMBER SHALL BE STORED IN THE OPEN IN A GENERAL STORAGE AREA. SUCH MATERIAL SHALL BE ELEVATED WITH WOOD BLOCKS TO MINIMIZE CONTACT WITH STORM WATER RUNOFF.
 - SPILL CLEAN-UP MATERIALS, MATERIAL SAFETY DATA SHEETS, AN INVENTORY OF MATERIALS, AND EMERGENCY CONTACT NUMBERS SHALL BE MAINTAINED AND STORED IN ONE DESIGNATED AREA AND EACH CONTRACTOR IS TO INFORM HIS/HER EMPLOYEES AND THE RESIDENT ENGINEER OF THIS LOCATION.
- c. STOCKPILE MANAGEMENT - BMPs SHALL BE IMPLEMENTED TO REDUCE OR ELIMINATE POLLUTION OF STORM WATER FROM STOCKPILES OF SOIL AND PAVING MATERIALS SUCH AS BUT NOT LIMITED TO PORTLAND CEMENT CONCRETE RUBBLE, ASPHALT CONCRETE, ASPHALT CONCRETE RUBBLE, AGGREGATE BASE, AGGREGATE SUB BASE, AND PRE-MIXED AGGREGATE. THE FOLLOWING BMPs MAY BE CONSIDERED:
 - PERIMETER EROSION BARRIER
 - TEMPORARY SEEDING
 - TEMPORARY MULCH
 - PLASTIC COVERS
 - SOIL BINDERS
 - STORM DRAIN INLET PROTECTION

THE CONTRACTOR WILL PROVIDE THE RESIDENT ENGINEER WITH A WRITTEN PLAN OF THE PROCEDURES (SHE WILL USE ON THE PROJECT AND HOW THEY WILL BE MAINTAINED).

- d. WASTE DISPOSAL. NO MATERIALS, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED INTO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
- e. THE PROVISIONS OF THIS PLAN SHALL ENSURE AND DEMONSTRATE COMPLIANCE WITH APPLICABLE STATE AND/OR LOCAL WASTE DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS.
- f. THE CONTRACTOR SHALL PROVIDE A WRITTEN AND GRAPHIC PLAN TO THE RESIDENT ENGINEER IDENTIFYING WHERE EACH OF THE ABOVE AREAS WILL BE LOCATED AND HOW THEY ARE TO BE MANAGED.

5. APPROVED STATE OR LOCAL LAWS

THE MANAGEMENT PRACTICES, CONTROLS AND PROVISIONS CONTAINED IN THIS PLAN WILL BE IN ACCORDANCE WITH IDOT SPECIFICATIONS, WHICH ARE AT LEAST AS PROTECTIVE AS THE REQUIREMENTS CONTAINED IN THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S ILLINOIS URBAN MANUAL, 1995. PROCEDURES AND REQUIREMENTS SPECIFIED IN APPLICABLE SEDIMENT AND EROSION SITE PLANS OR STORM WATER MANAGEMENT PLANS APPROVED BY LOCAL OFFICIALS SHALL BE DESCRIBED OR INCORPORATED BY REFERENCE IN THE SPACE PROVIDED BELOW. REQUIREMENTS SPECIFIED IN SEDIMENT AND EROSION SITE PLANS, SITE PERMITS, STORM WATER MANAGEMENT SITE PLANS OR SITE PERMITS APPROVED BY LOCAL OFFICIALS THAT ARE APPLICABLE TO PROTECTING SURFACE WATER RESOURCES ARE, UPON SUBMITTAL OF AN NOI, TO BE AUTHORIZED TO DISCHARGE UNDER PERMIT ILR10 INCORPORATED BY REFERENCE AND ARE ENFORCEABLE UNDER THIS PERMIT EVEN IF THEY ARE NOT SPECIFICALLY INCLUDED IN THE PLAN.

DESCRIPTION OF PROCEDURES AND REQUIREMENTS SPECIFIED IN APPLICABLE SEDIMENT AND EROSION SITE PLANS OR STORM WATER MANAGEMENT PLANS APPROVED BY LOCAL OFFICIALS:

ALL MANAGEMENT PRACTICES, CONTROLS, AND OTHER PROVISIONS PROVIDED IN THIS PLAN ARE IN ACCORDANCE WITH "IDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION AND THE ILLINOIS URBAN MANUAL".

III. MAINTENANCE:

THE FOLLOWING IS A DESCRIPTION OF PROCEDURES THAT WILL BE USED TO MAINTAIN, IN GOOD AND EFFECTIVE OPERATING CONDITIONS, THE VEGETATION, EROSION AND SEDIMENT CONTROL MEASURES AND OTHER PROTECTIVE MEASURES IDENTIFIED IN THIS PLAN. THE RESIDENT ENGINEER WILL PROVIDE MAINTENANCE GUIDES TO THE CONTRACTOR FOR THE PRACTICES ASSOCIATED WITH THIS PROJECT.

- 1. SEEDING - ALL ERODIBLE BARE EARTH WILL BE TEMPORARILY SEEDED ON A WEEKLY BASIS TO MINIMIZE THE AMOUNT OF ERODIBLE SURFACE WITHIN THE CONTRACT LIMITS. THE RESIDENT ENGINEER WILL PROVIDE MAINTENANCE GUIDES TO THE CONTRACTOR FOR THESE PRACTICES. ALL LOCATION WHERE VEHICLES ENTER AND EXIT THE CONSTRUCTION SITE AND ALL OTHER AREAS SUBJECT TO EROSION SHOULD BE INSPECTED PERIODICALLY. INSPECTION OF THESE AREAS SHALL BE MADE AT LEAST ONCE EVERY 7 DAYS AND WITHIN 24 HOURS OF THE END OF EACH 1/2 INCH OR GREATER RAINFALL, OR AN EQUIVALENT SNOWFALL. THE PROJECT SHALL BE ADDITIONALLY INSPECTED BY THE CONSTRUCTION FIELD ENGINEER OR A BI-WEEKLY BASIS TO DETERMINE THAT EROSION CONTROL EFFORTS ARE IN PLACE AND EFFECTIVE AND IF OTHER EROSION CONTROL WORK IS NECESSARY.

IV. INSPECTIONS

QUALIFIED PERSONNEL SHALL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE WHICH HAVE NOT YET BEEN FINALLY STABILIZED, STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES AND EQUIPMENT ENTER AND EXIT THE SITE. SUCH INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER OR EQUIVALENT SNOWFALL.

- A. DISTURBED AREAS, USE AREAS (STORAGE OF MATERIALS, STOCKPILES, MACHINE MAINTENANCE FUELING, ETC.), BORROW SITES, AND WASTE SITES SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. DISCHARGE LOCATIONS OR POINTS THAT ARE ACCESSIBLE, SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF SITE SEDIMENT TRACKING.
- B. BASED ON THE RESULTS OF THE INSPECTION, THE DESCRIPTION OF POTENTIAL POLLUTANT SOURCES IDENTIFIED IN SECTION I ABOVE AND POLLUTION PREVENTION MEASURES IDENTIFIED IN SECTION II ABOVE SHALL BE REVISED AS APPROPRIATE AS SOON AS PRACTICABLE AFTER SUCH INSPECTION. ANY CHANGES TO THIS PLAN RESULTING FROM THE REQUIRED INSPECTIONS SHALL BE IMPLEMENTED WITHIN 1/2 HOUR TO 1 WEEK BASED ON THE URGENCY OF THE SITUATION. THE RESIDENT ENGINEER WILL NOTIFY THE CONTRACTOR OF THE TIME REQUIRED TO IMPLEMENT SUCH ACTIONS THROUGH THE WEEKLY INSPECTION REPORT.
- C. A REPORT SUMMARIZING THE SCOPE OF THE INSPECTION, NAME(S) AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION, THE DATE(S) OF THE INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THIS STORM WATER POLLUTION PREVENTION PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH SECTION IV(B) SHALL BE MADE AND RETAINED AS PART OF THE PLAN FOR AT LEAST THREE (3) YEARS AFTER THE DATE OF THE INSPECTION. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART VI. G OF THE GENERAL PERMIT.
- D. IF ANY VIOLATION OF THE PROVISIONS OF THIS PLAN IS IDENTIFIED DURING THE CONDUCT OF THE CONSTRUCTION WORK COVERED BY THIS PLAN, THE RESIDENT ENGINEER SHALL NOTIFY THE APPROPRIATE I.E.P.A. FIELD OPERATIONS SECTION OFFICE BY EMAIL OF: epa.swnoncomp@illinois.gov, TELEPHONE OR FAX WITHIN 24 HOURS OF THE INCIDENT. THE RESIDENT ENGINEER SHALL THEN COMPLETE AND SUBMIT AN "INCIDENCE OF NON-COMPLIANCE" (ION) REPORT FOR THE IDENTIFIED VIOLATION WITHIN 5 DAYS OF THE INCIDENT. THE RESIDENT ENGINEER SHALL USE FORMS PROVIDED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY AND SHALL INCLUDE SPECIFIC INFORMATION ON THE CAUSE OF NONCOMPLIANCE, ACTIONS WHICH WERE TAKEN TO PREVENT ANY FURTHER CAUSES OF NONCOMPLIANCE, AND A STATEMENT DETAILING ANY ENVIRONMENTAL IMPACT WHICH MAY HAVE RESULTED FROM THE NONCOMPLIANCE. ALL REPORTS OF NONCOMPLIANCE SHALL BE SIGNED BY A RESPONSIBLE AUTHORITY IN ACCORDANCE WITH PART VI. G OF THE GENERAL PERMIT.

THE INCIDENCE OF NONCOMPLIANCE SHALL BE MAILED TO THE FOLLOWING ADDRESS:

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY
DIVISION OF WATER POLLUTION CONTROL
ATTN: COMPLIANCE ASSURANCE SECTION
1021 NORTH GRAND EAST
POST OFFICE BOX 19276
SPRINGFIELD, ILLINOIS 62794-9276

V. NON-STORM WATER DISCHARGES:

EXCEPT FOR FLOWS FROM FIRE FIGHTING ACTIVITIES, SOURCES OF NON-STORM WATER THAT IS COMBINED WITH STORM WATER DISCHARGES ASSOCIATED WITH THE INDUSTRIAL ACTIVITY ADDRESSED IN THIS PLAN MUST BE DESCRIBED BELOW. APPROPRIATE POLLUTION PREVENTION MEASURES, AS DESCRIBED BELOW, WILL BE IMPLEMENTED FOR THE NON-STORM WATER COMPONENT(S) OF THE DISCHARGE.

A. SPILL PREVENTION AND CONTROL - BMPs SHALL BE IMPLEMENTED TO CONTAIN AND CLEAN-UP SPILLS AND PREVENT MATERIAL DISCHARGES TO THE STORM DRAIN SYSTEM. THE CONTRACTOR SHALL PRODUCE A WRITTEN PLAN STATING HOW HIS/HER COMPANY WILL PREVENT, REPORT, AND CLEAN UP SPILLS AND PROVIDE A COPY TO ALL OF HIS/HER EMPLOYEES AND THE RESIDENT ENGINEER. THE CONTRACTOR SHALL NOTIFY ALL OF HIS/HER EMPLOYEES ON THE PROPER PROTOCOL FOR REPORTING SPILLS. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER OF ANY SPILLS IMMEDIATELY.

B. CONCRETE RESIDUALS AND WASHOUT WASTES - THE FOLLOWING BMPs SHALL BE IMPLEMENTED TO CONTROL RESIDUAL CONCRETE, CONCRETE SEDIMENTS, AND RINSE WATER:

- 1. TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED FOR RINSING OUT CONCRETE TRUCKS. SIGNS SHALL BE INSTALLED DIRECTING CONCRETE TRUCK DRIVERS WHERE DESIGNATED WASHOUT FACILITIES ARE LOCATED.
- 2. THE CONTRACTOR SHALL HAVE THE LOCATION OF TEMPORARY CONCRETE WASHOUT FACILITIES APPROVED BY THE RESIDENT ENGINEER.
- 3. ALL TEMPORARY CONCRETE WASHOUT FACILITIES ARE TO BE INSPECTED BY THE CONTRACTOR AFTER EACH USE AND ALL SPILLS MUST BE REPORTED TO THE RESIDENT ENGINEER AND CLEANED UP IMMEDIATELY.
- 4. CONCRETE WASTE SOLIDS/LIQUIDS SHALL BE DISPOSED OF PROPERLY.

C. LITTER MANAGEMENT - A PROPER NUMBER OF DUMPSTERS SHALL BE PROVIDED ON SITE TO HANDLE DEBRIS AND LITTER ASSOCIATED WITH THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING HIS/HER EMPLOYEES PLACE ALL LITTER INCLUDING MARKING PAINT CANS, SODA CANS, FOOD WRAPPERS, WOOD LATHE, MARKING RIBBON, CONSTRUCTION STRING, AND ALL OTHER CONSTRUCTION RELATED LITTER IN THE PROPER DUMPSTERS.

D. VEHICLE AND EQUIPMENT CLEANING - VEHICLES AND EQUIPMENT ARE TO BE CLEANED IN DESIGNATED AREAS ONLY, PREFERABLY OFF SITE.

E. VEHICLE AND EQUIPMENT FUELING - A VARIETY OF BMPs CAN BE IMPLEMENTED DURING FUELING OF VEHICLES AND EQUIPMENT TO PREVENT POLLUTION. THE CONTRACTOR SHALL INFORM THE RESIDENT ENGINEER AS TO WHICH BMPs WILL BE USED ON THE PROJECT. THE CONTRACTOR SHALL INFORM THE RESIDENT ENGINEER HOW (S)HE WILL BE INFORMING HIS/HER EMPLOYEES OF THESE BMPs (I.E. SIGNS, TRAINING, ETC.). BELOW ARE A FEW EXAMPLES OF THESE BMPs:






- 1. CONTAINMENT
- 2. SPILL PREVENTION AND CONTROL
- 3. USE OF DRIP PANS AND ABSORBENTS
- 4. AUTOMATIC SHUT-OFF NOZZLES
- 5. TOPPING OFF RESTRICTIONS
- 6. LEAK INSPECTION AND REPAIR

F. VEHICLE AND EQUIPMENT MAINTENANCE - ON SITE MAINTENANCE MUST BE PERFORMED IN ACCORDANCE WITH ALL ENVIRONMENTAL LAWS SUCH AS PROPER STORAGE AND NO DUMPING OF OLD ENGINE OIL OR OTHER FLUIDS ON SITE.

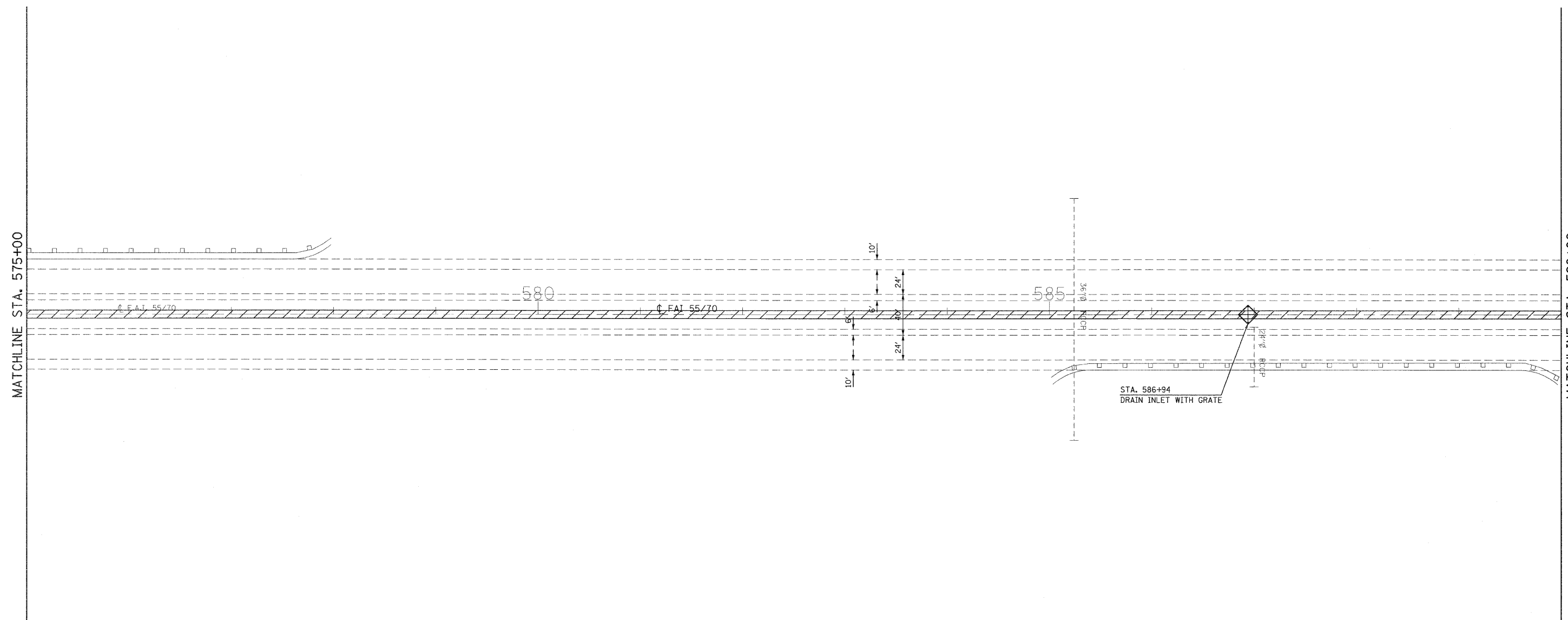
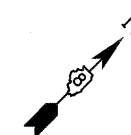
VI. FAILURE TO COMPLY:

FAILURE TO COMPLY WITH ANY PROVISIONS OF THIS STORM WATER POLLUTION PREVENTION PLAN WILL RESULT IN THE IMPLEMENTATION OF AN EROSION AND SEDIMENT CONTROL DEFICIENCY DEDUCTION AGAINST THE CONTRACTOR AND/OR PENALTIES UNDER THE NPDES PERMIT WHICH COULD BE PASSED ONTO THE CONTRACTOR.



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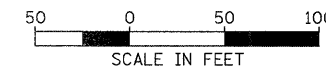
-  TEMPORARY DITCH CHECK- ROLLED EXCELSIOR, SILT WEDGES/PANELS
-  TEMPORARY DITCH CHECK- AGGREGATE
-  EROSION CONTROL BLANKET
-  PERIMETER EROSION BARRIER- SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
-  INLET AND PIPE PROTECTION- STRAW BALES, FILTER FABRIC, AGGREGATES

FILE NAME =	USER NAME = aifordb	DESIGNED -	REVISED - 4-20-09	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SWPPP PLAN	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT DATE = 3/1/2011	DATE -	REVISED -			SCALE:	SHEET NO.	OF	SHEETS	STA.
						FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

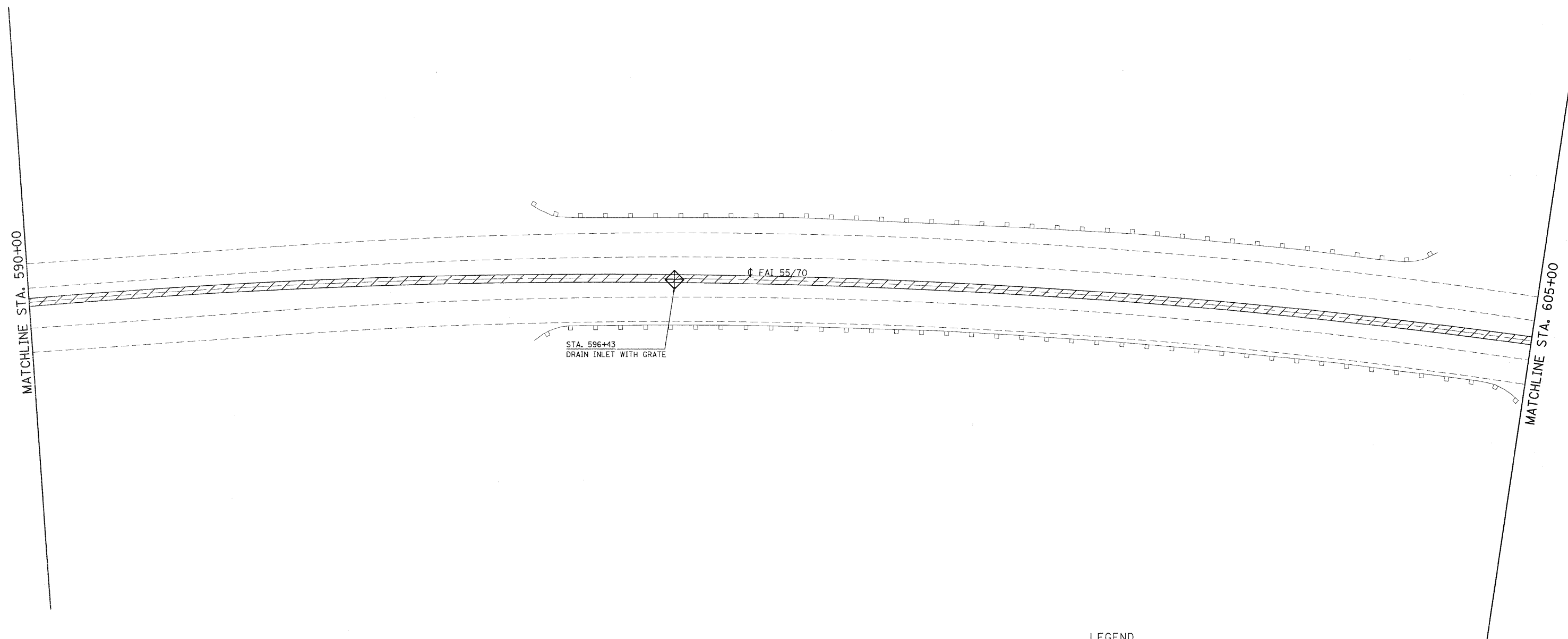
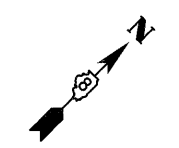


LEGEND

-  INLET AND PIPE PROTECTION
-  TRENCH AREA AND TEMPORARY EROSION CONTROL SEEDING



FILE NAME =	USER NAME = aifordb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	F.A.I. ROUTE 55 /70 SWPPP ROADWAY PLANS	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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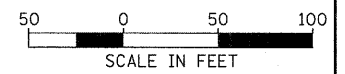
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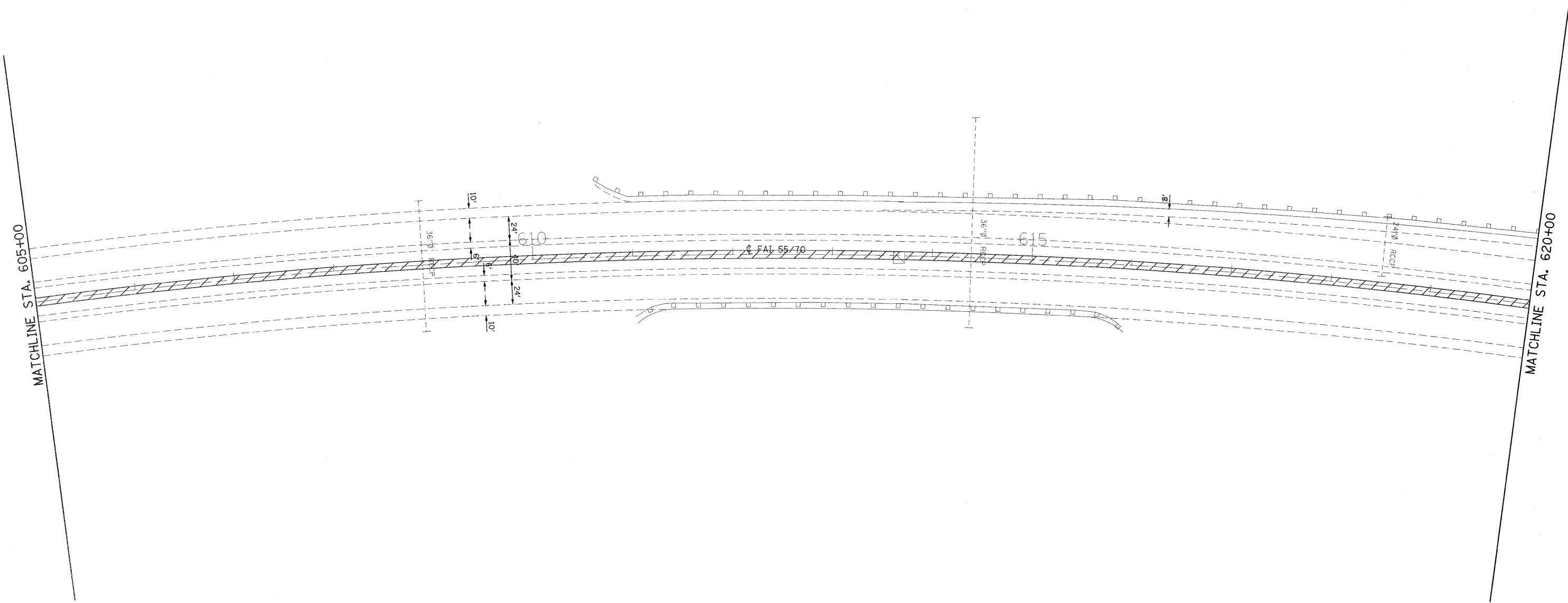
INLET AND PIPE PROTECTION





TRENCH AREA AND TEMPORARY EROSION CONTROL SEEDING

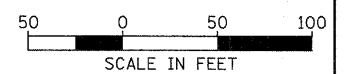


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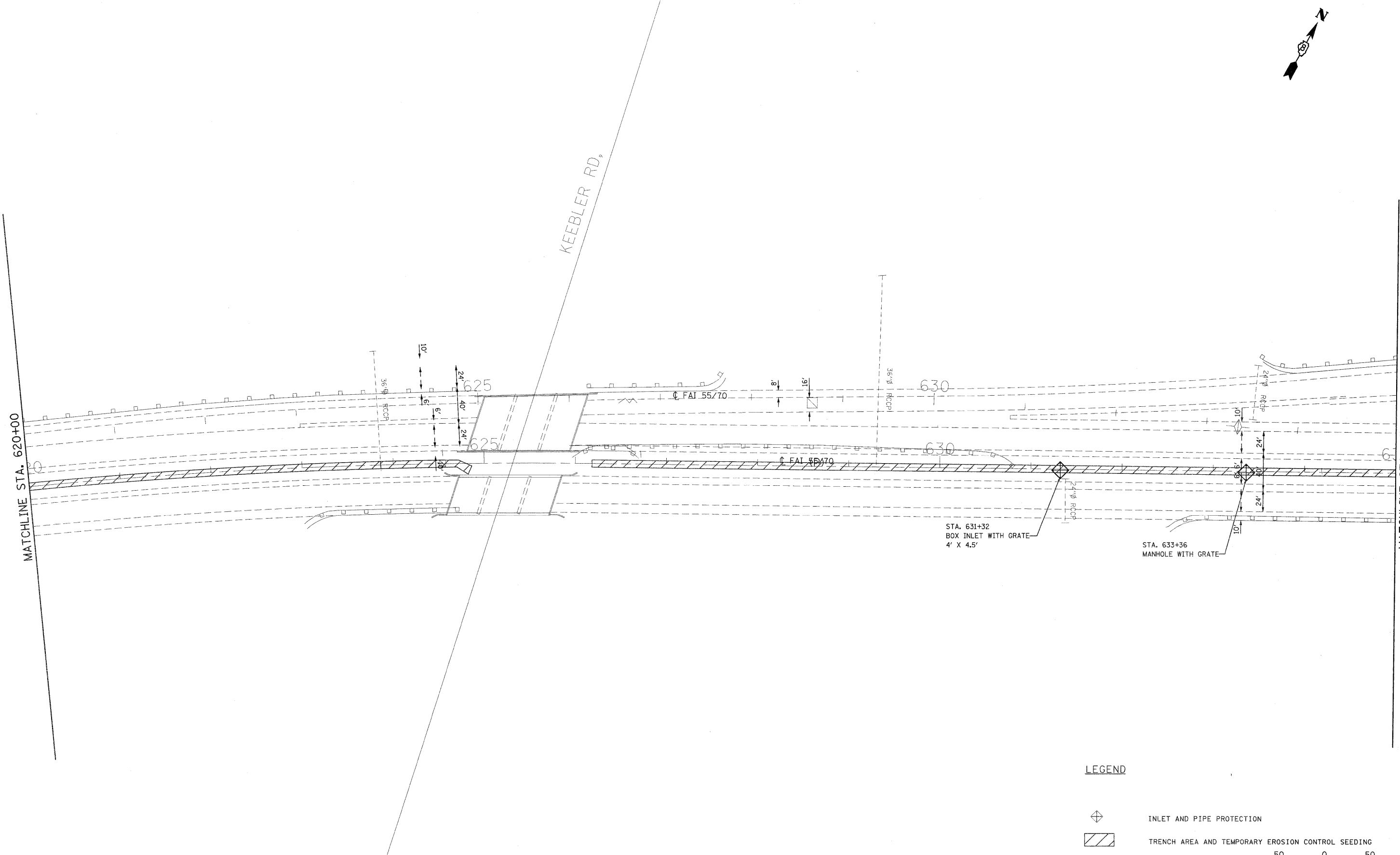


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-  INLET AND PIPE PROTECTION
-  TRENCH AREA AND TEMPORARY EROSION CONTROL SEEDING

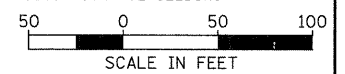


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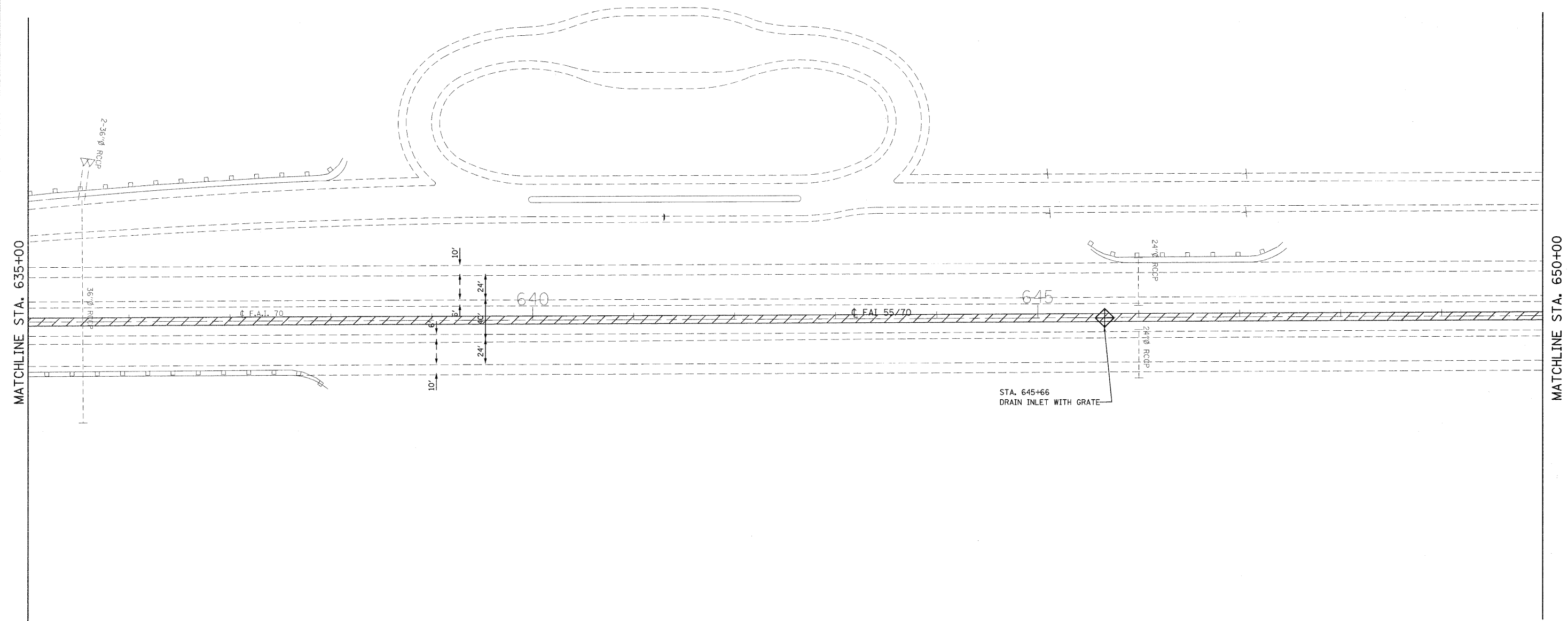


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-  INLET AND PIPE PROTECTION
-  TRENCH AREA AND TEMPORARY EROSION CONTROL SEEDING



FILE NAME =	USER NAME = alfordb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	F.A.I. ROUTE 55 /70 SWPPP ROADWAY PLANS	F.A.I. RTE. 55/70	SECTION DIST 8 ITS 2011-1	COUNTY MADISON	TOTAL SHEETS 39	SHEET NO. 22		
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STA. 645+66
DRAIN INLET WITH GRATE

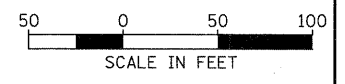
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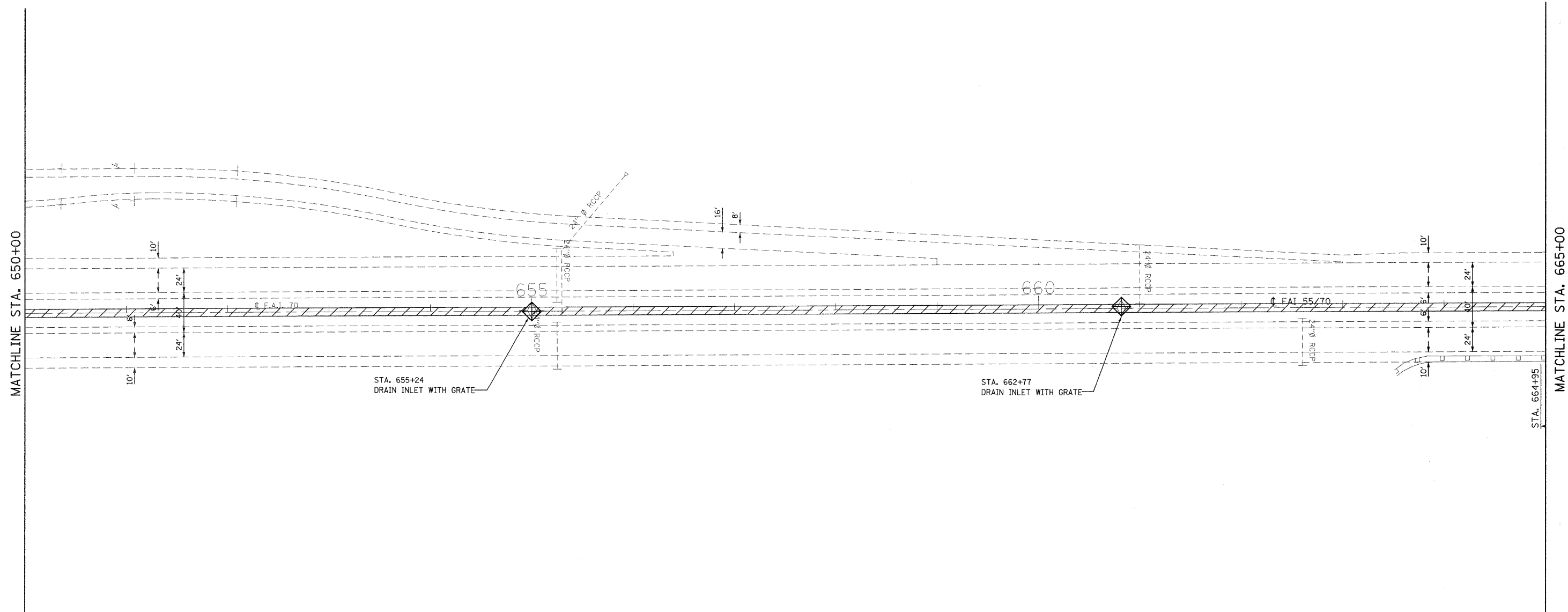
INLET AND PIPE PROTECTION



TRENCH AREA AND TEMPORARY EROSION CONTROL SEEDING

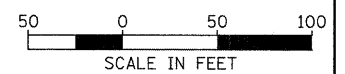


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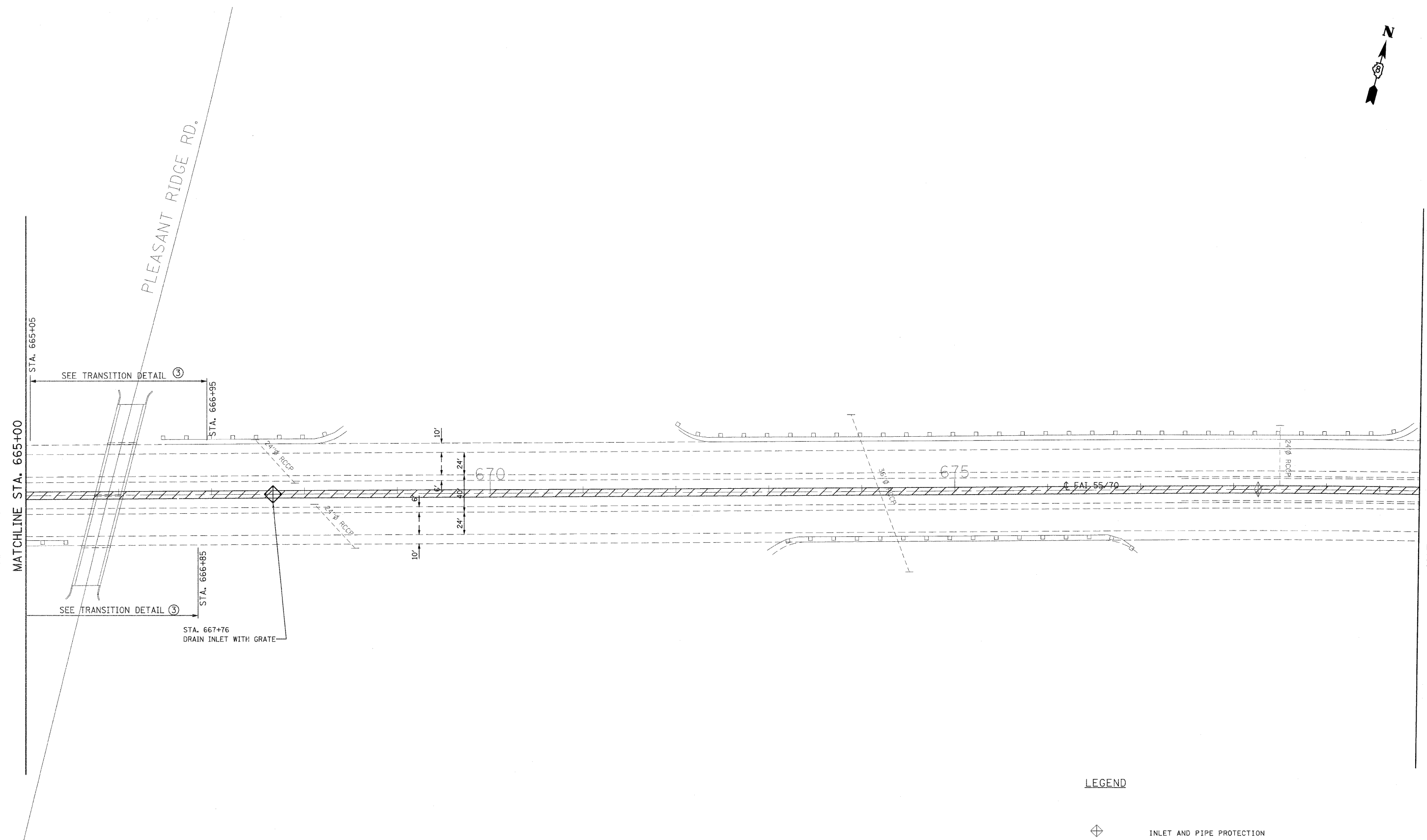


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
- INLET AND PIPE PROTECTION
- TRENCH AREA AND TEMPORARY EROSION CONTROL SEEDING

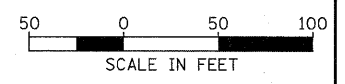


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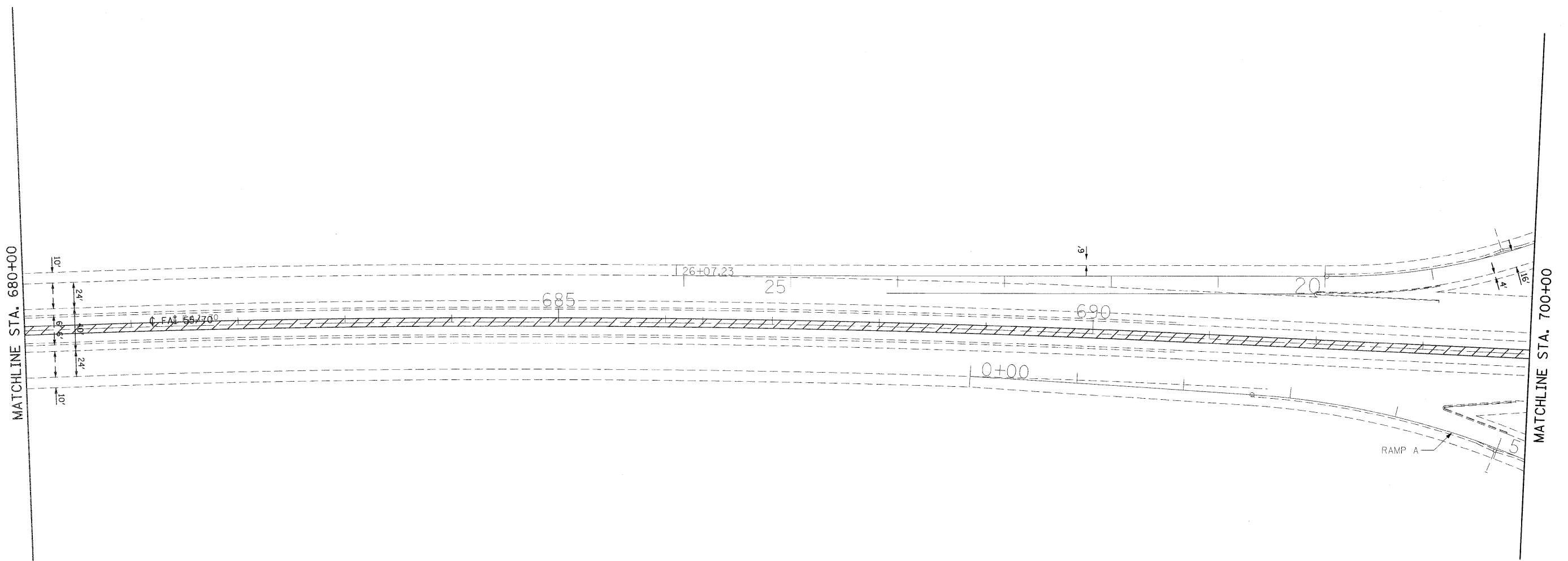


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-  INLET AND PIPE PROTECTION
-  TRENCH AREA AND TEMPORARY EROSION CONTROL SEEDING

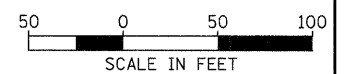


FILE NAME =	USER NAME = aifordb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	F.A.I. ROUTE 55 /70 SWPPP ROADWAY PLANS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
es:\p\work\p\dot\alfordb\0248960\087682-sh\swppp.dgn	PLOT SCALE = 50,0000 ' / IN.	DRAWN -	REVISED -		SCALE: 1' = 50'	SHEET NO.	OF	SHEETS	70	DIST 8 ITS 2011-1	MADISON	39	25
	PLOT DATE = 3/1/2011	CHECKED -	REVISED -		STA. 665+00	TO STA. 680+00		FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT				
		DATE -	REVISED -		CONTRACT NO. 76E82								



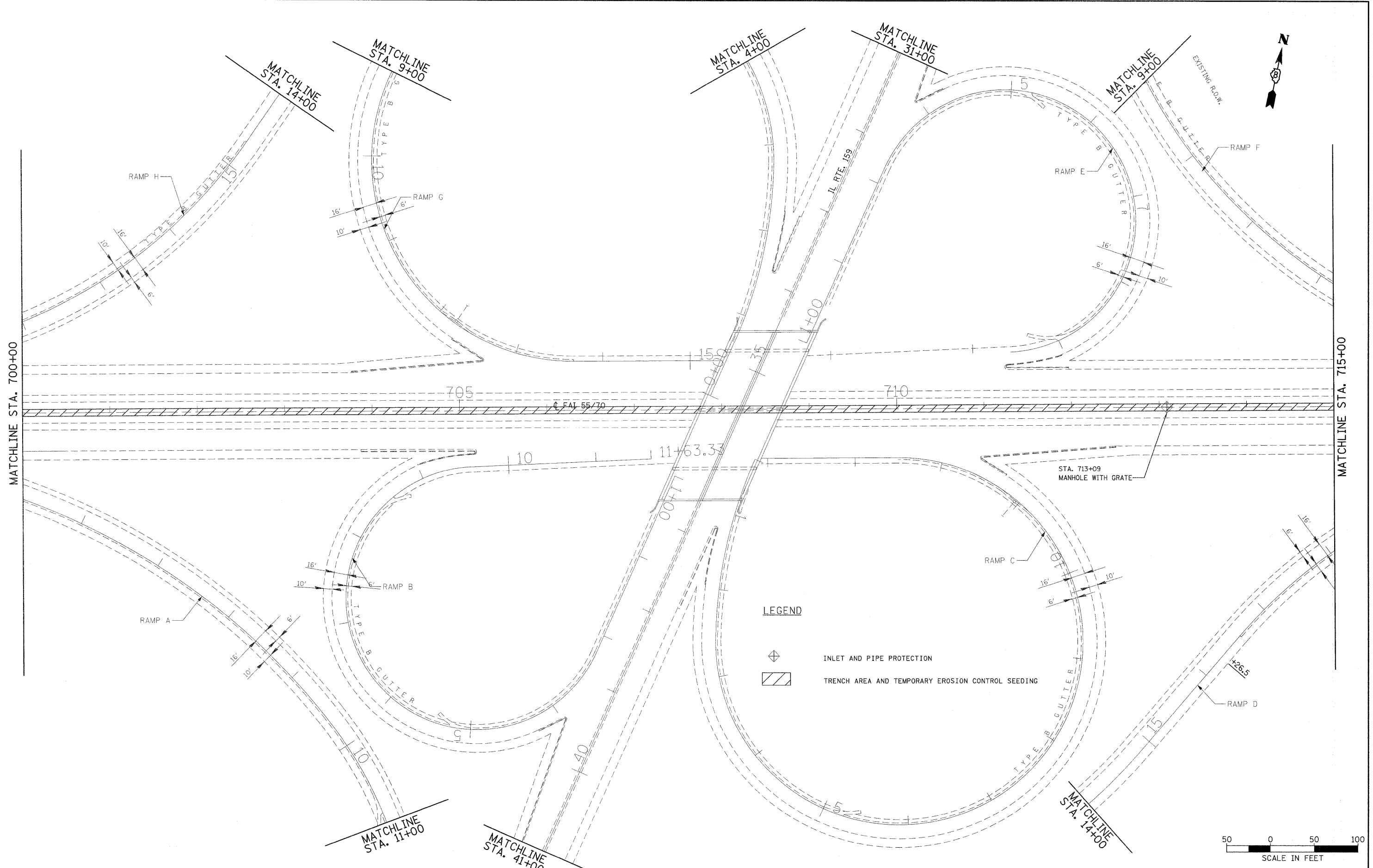
LEGEND

- INLET AND PIPE PROTECTION
- TRENCH AREA AND TEMPORARY EROSION CONTROL SEEDING



SCALE IN FEET

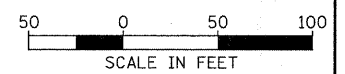
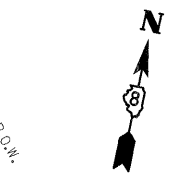
FILE NAME =	USER NAME = alfordb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	F.A.I. ROUTE 55 /70 SWPPP ROADWAY PLANS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pw_work\pvidot\alfordb\d2248960\d87682-shr-swppp.dgn		DRAWN -	REVISED -		70	DIST 8 ITS 2011-1	MADISON	39	26			
	PLOT SCALE = 50,0000 ' / IN.	CHECKED -	REVISED -		CONTRACT NO. 76E82							
	PLOT DATE = 3/1/2011	DATE -	REVISED -		ILLINOIS FED. AID PROJECT							
				SCALE: 1" = 50'	SHEET NO.	OF	SHEETS	STA. 680+00	TO STA. 700+00			



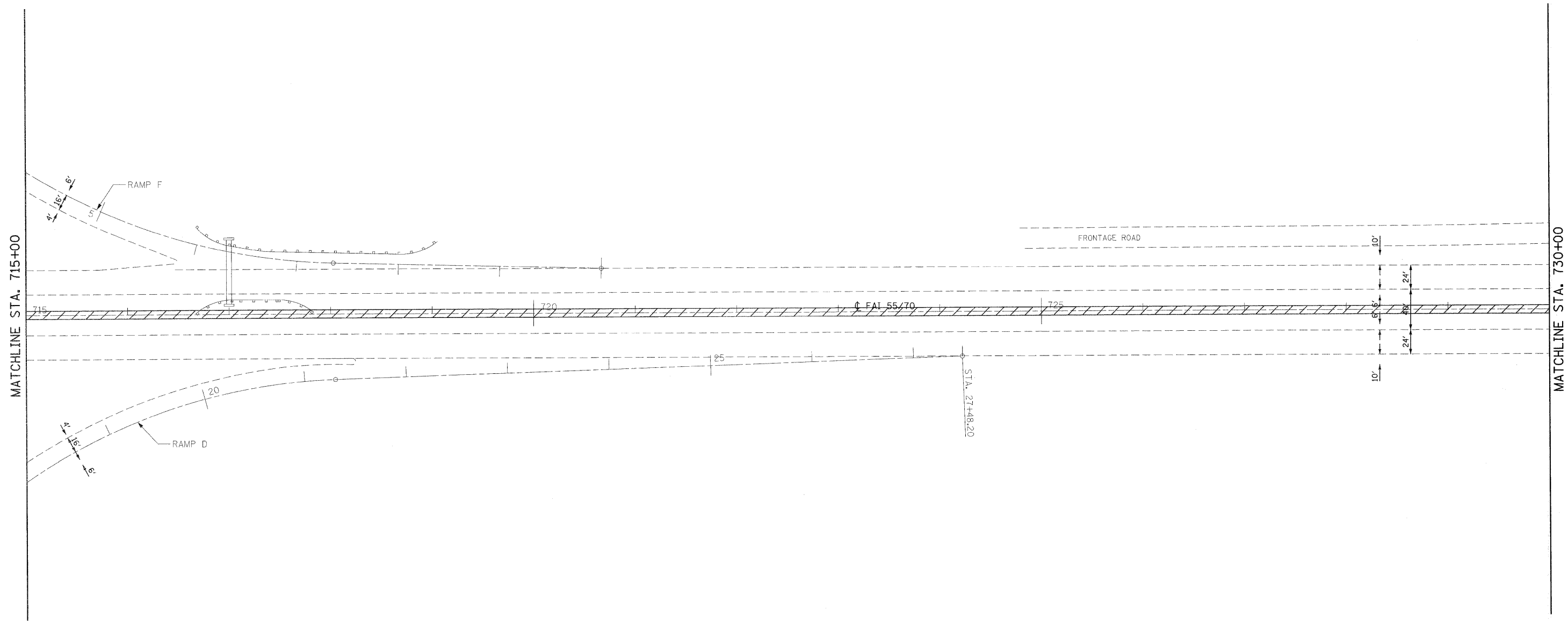
LEGEND

INLET AND PIPE PROTECTION

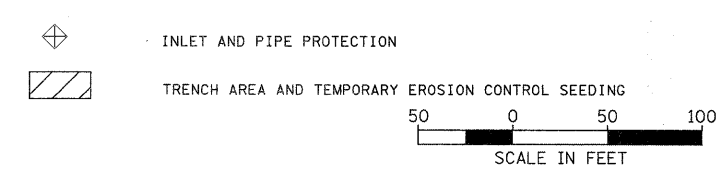
 TRENCH AREA AND TEMPORARY EROSION CONTROL SEEDING



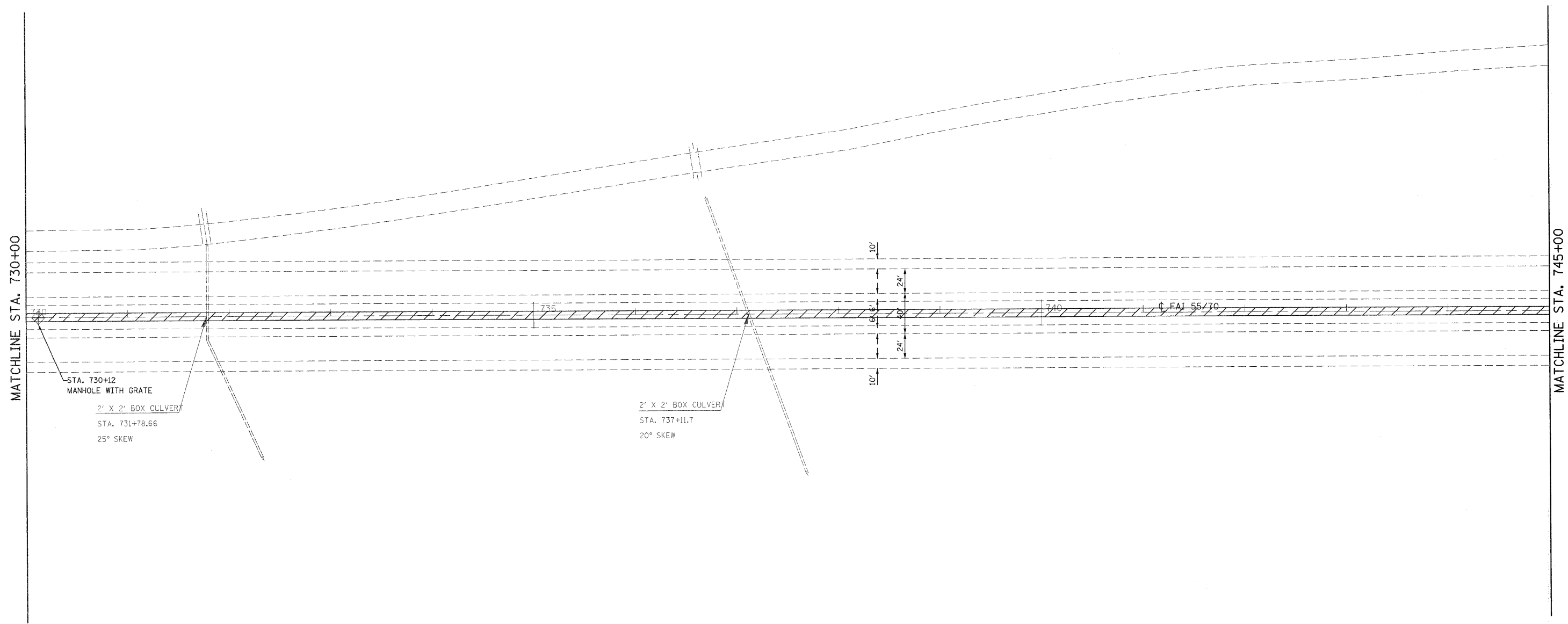
FILE NAME =	USER NAME = alfordb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	F.A.I. ROUTE 55 /70 SWPPP ROADWAY PLANS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ei\pwork\puidot\alfordb\d248960\d87682-shr-swppp.dgn		DRAWN -	REVISED -		70	DIST 8 ITS 2011-1	MADISON	39	27			
PLOT SCALE = 50,0000 ' / IN.		CHECKED -	REVISED -		CONTRACT NO. 76E82							
PLOT DATE = 3/1/2011		DATE -	REVISED -		ILLINOIS FED. AID PROJECT							
				SCALE: 1" = 50'	SHEET NO.	OF	SHEETS	STA. 700+00	TO STA. 715+00			



LEGEND



FILE NAME = c:\pwwork\pilot\alford\ad0248160\ad875	USER NAME = alfordb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	F.A.I. ROUTE 55 /70 SWPPP ROADWAY PLANS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	82-shr-swppp.dgn	DRAWN -	REVISED -		70	DIST 8 ITS 2011-1	MADISON	39	28			
	PLOT SCALE = 50,0000 ' / IN.	CHECKED -	REVISED -		CONTRACT NO. 76E82							
	PLOT DATE = 3/1/2011	DATE -	REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							
				SCALE: 1" = 50'	SHEET NO.	OF	SHEETS	STA. 715+00	TO STA. 730+00			



MATCHLINE STA. 730+00

MATCHLINE STA. 745+00

STA. 730+12
MANHOLE WITH GRATE
2' X 2' BOX CULVERT
STA. 731+78.66
25° SKEW

2' X 2' BOX CULVERT
STA. 737+11.7
20° SKEW

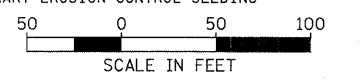
LEGEND



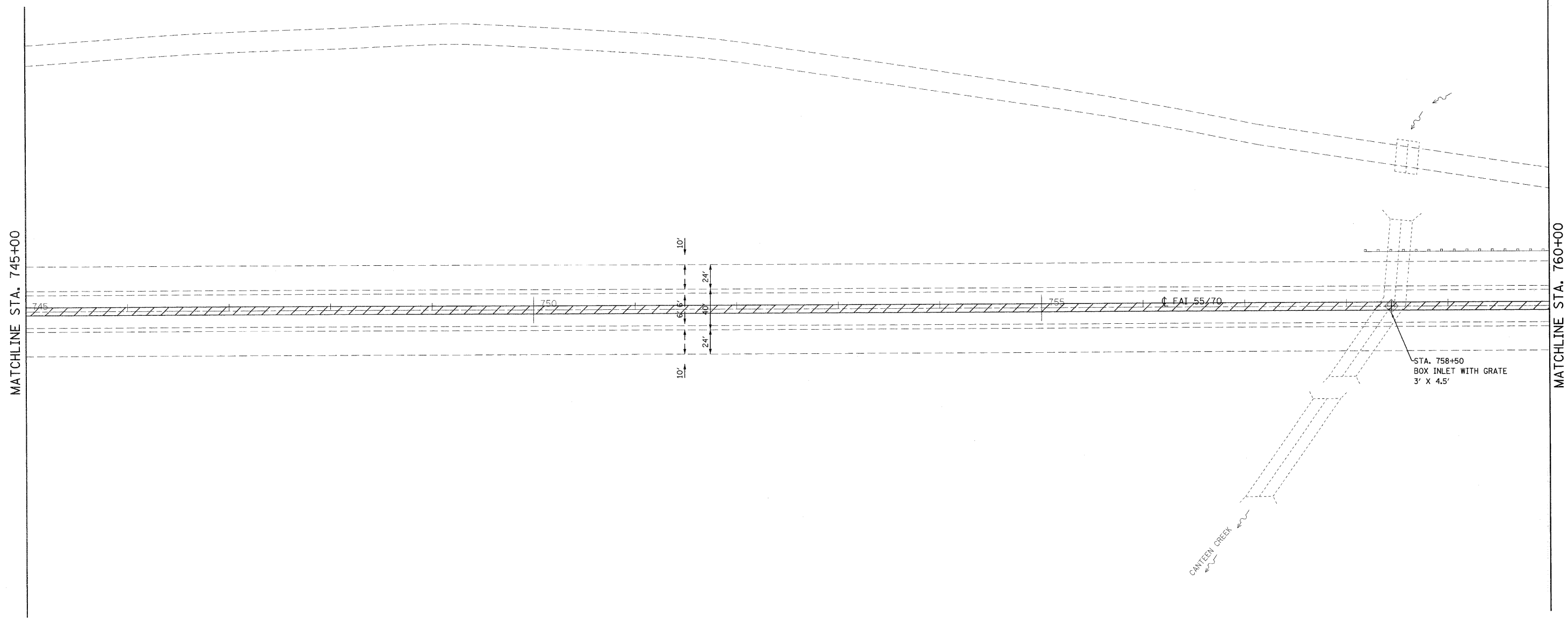
INLET AND PIPE PROTECTION



TRENCH AREA AND TEMPORARY EROSION CONTROL SEEDING



FILE NAME =	USER NAME = alfordb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	F.A.I. ROUTE 55 /70 SWPPP ROADWAY PLANS			F.A.I. RTE. 70	SECTION DIST 8 ITS 2011-1	COUNTY MADISON	TOTAL SHEETS 39	SHEET NO. 29
ca:\pw\work\psidot\alfordb\d2248960\d87682-ahf-swppp.dgn	PLT SCALE = 50.0000 ' / IN.	DRAWN -	REVISED -		SCALE: 1' = 50'	SHEET NO.	OF	SHEETS	STA. 730+00	TO STA. 745+00	CONTRACT NO. 76E82	
	PLT DATE = 3/1/2011	CHECKED -	REVISED -								ILLINOIS FED. AID PROJECT	
		DATE -	REVISED -									

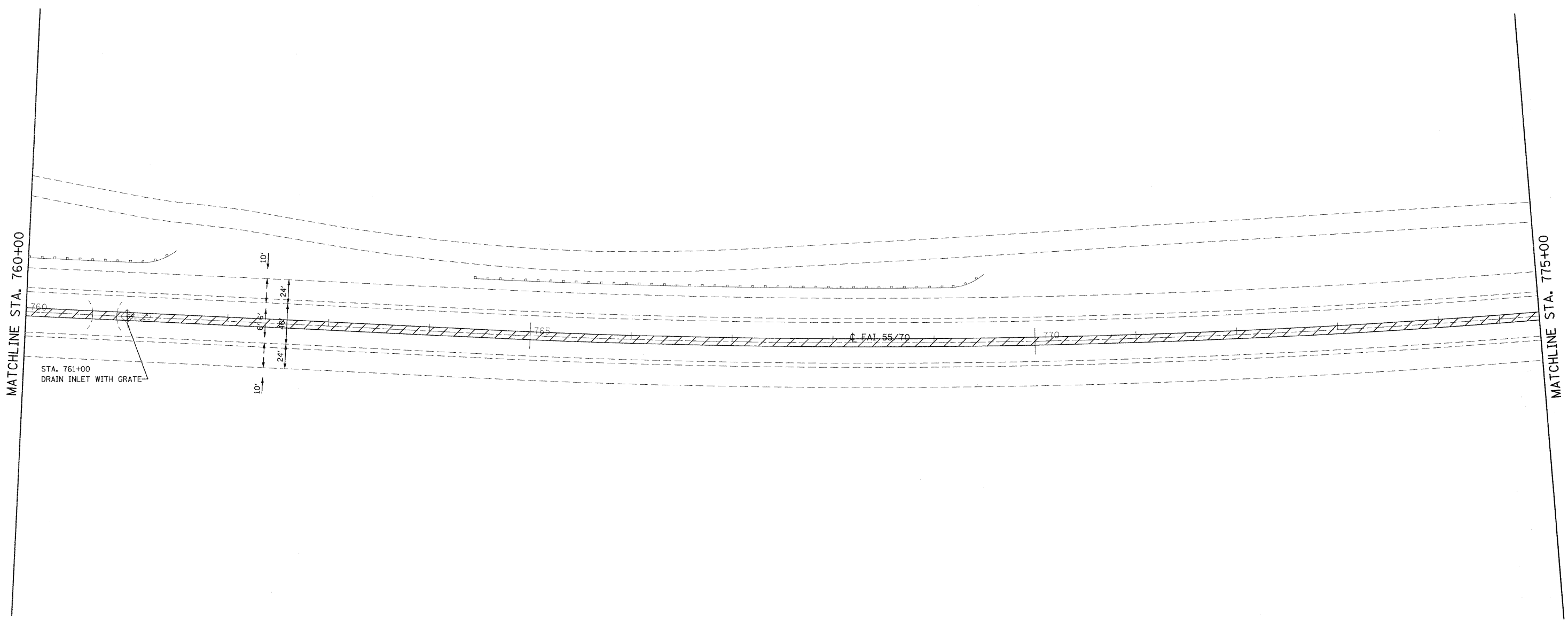
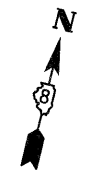


LEGEND

INLET AND PIPE PROTECTION
 TRENCH AREA AND TEMPORARY EROSION CONTROL SEEDING

50 0 50 100
 SCALE IN FEET

FILE NAME =	USER NAME = aifordb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	F.A.I. ROUTE 55 /70 SWPPP ROADWAY PLANS			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pw\work\psidot\alifordb\d0248960\d876	62-shl-swppp.dgn	DRAWN -	REVISED -		70	DIST 8 ITS 2011-1	MADISON	39	30			
	PLOT SCALE = 50,0000 ' / IN.	CHECKED -	REVISED -		SCALE: 1" = 50'				SHEET NO. OF SHEETS STA. 745+00 TO STA. 760+00			
	PLOT DATE = 3/1/2011	DATE -	REVISED -		CONTRACT NO. 76E82				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			



LEGEND

INLET AND PIPE PROTECTION
 TRENCH AREA AND TEMPORARY EROSION CONTROL SEEDING

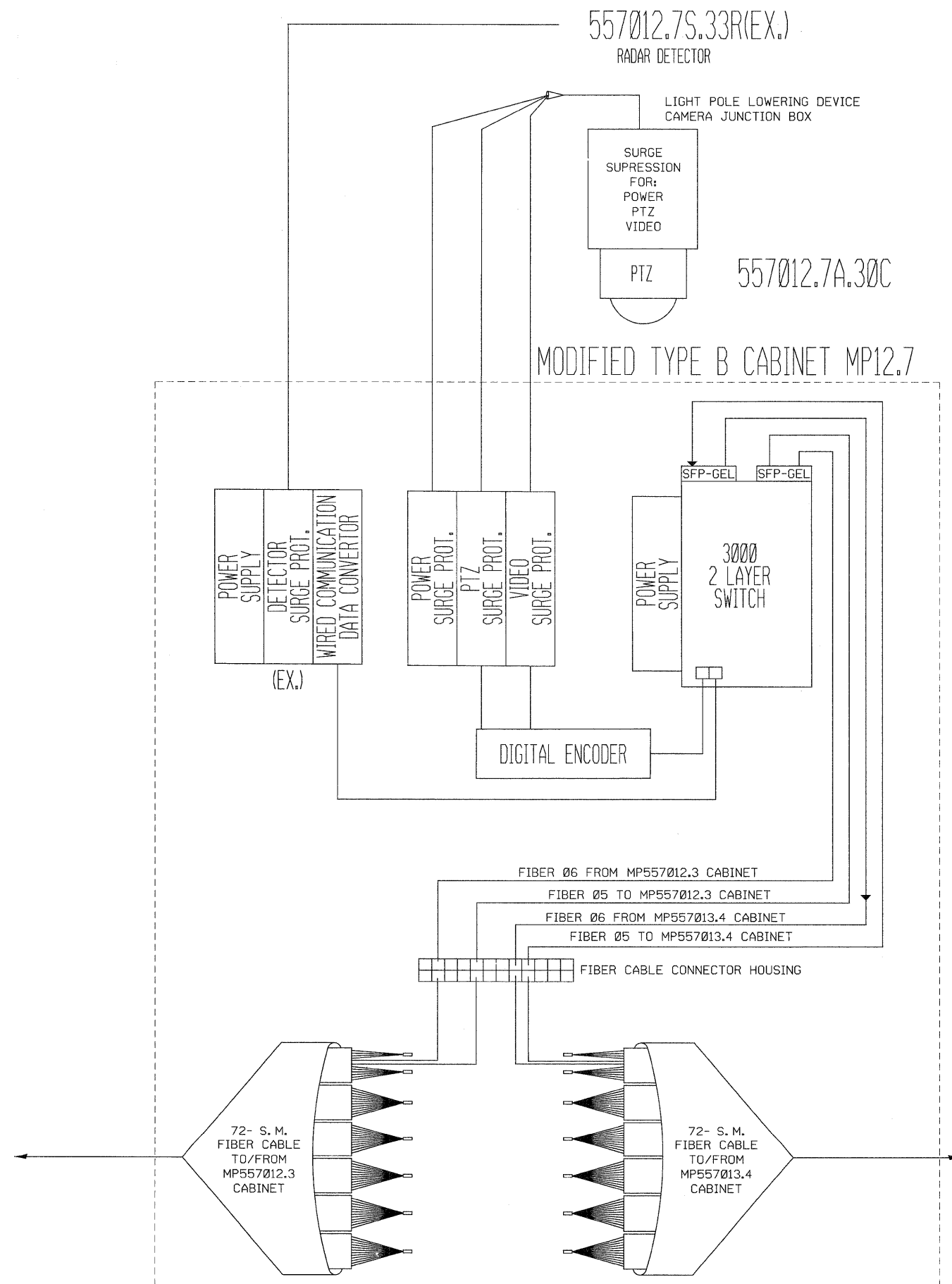
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 SCALE IN FEET

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	PLOT DATE = 3/1/2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. ROUTE 55 /70 SWPPP ROADWAY PLANS			
SCALE: 1' = 50'	SHEET NO.	OF SHEETS	STA. 760+00 TO STA. 775+00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
70	DIST 8 ITS 2011-1	MADISON	39	31
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
CONTRACT NO. 76E82				



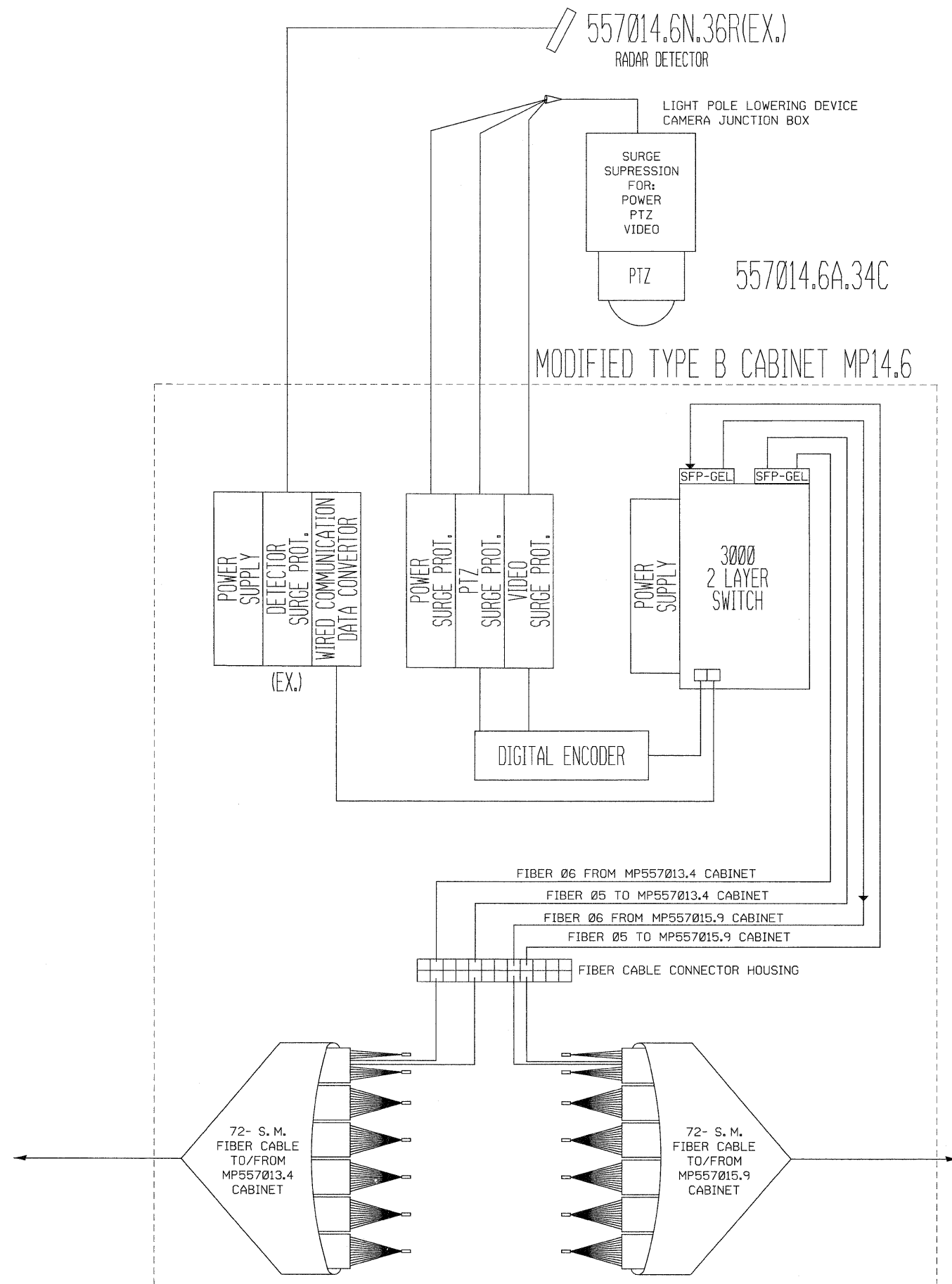
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	PLOT DATE = 3/1/2011	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**COMMUNICATION SHEET
MP027003.2 CABINET**

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/70	DIST 8 ITS 2011-1	MADISON	39	32
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
			CONTRACT NO. 76E82	

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



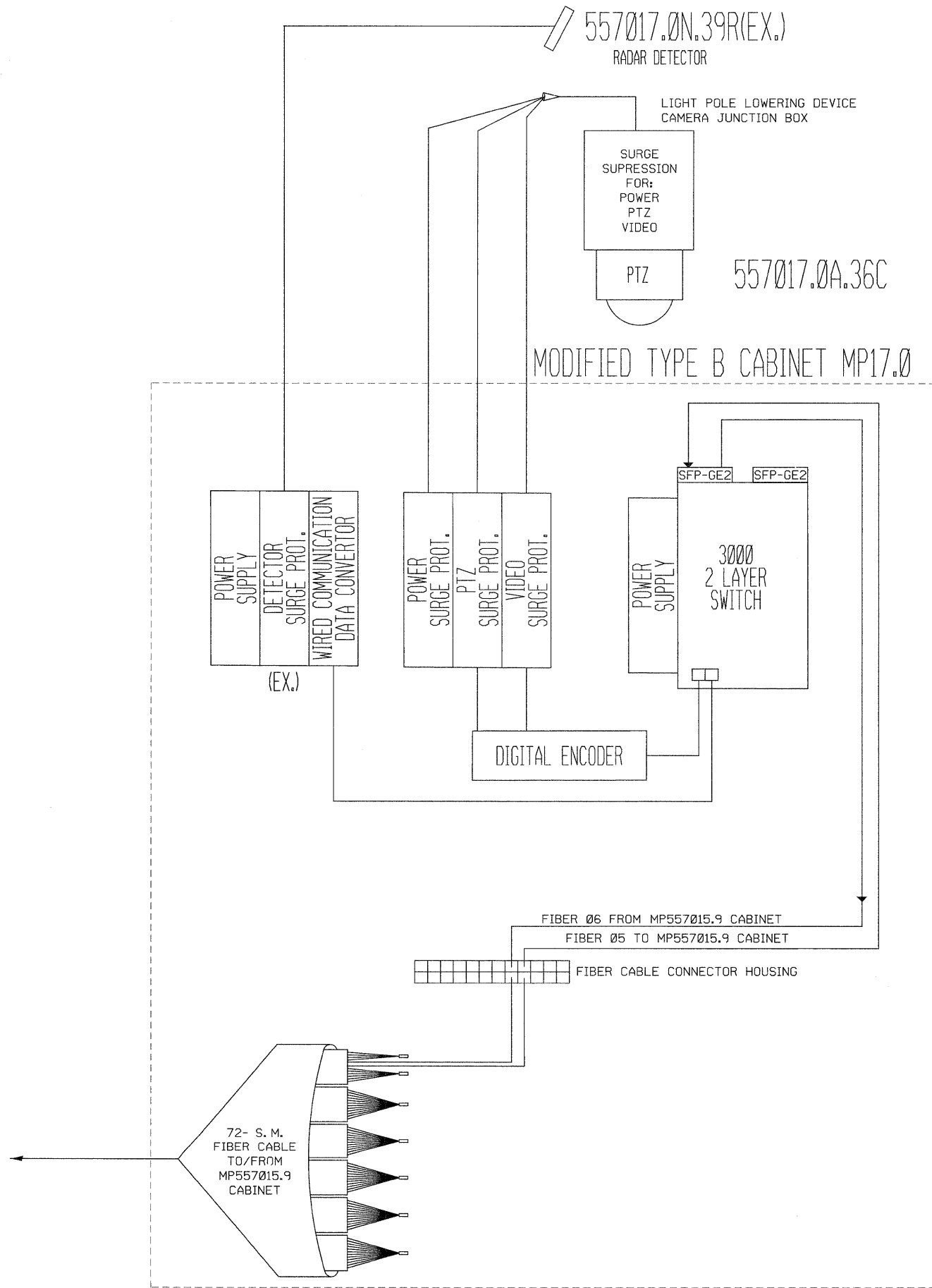
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PLOT SCALE = 50,0000 ' / IN.		CHECKED -	REVISED -
PLOT DATE = 3/1/2011		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**COMMUNICATION SHEET
MP027003.2 CABINET**

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

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/70	DIST 8 ITS 2011-1	MADISON	39	33
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76E82	



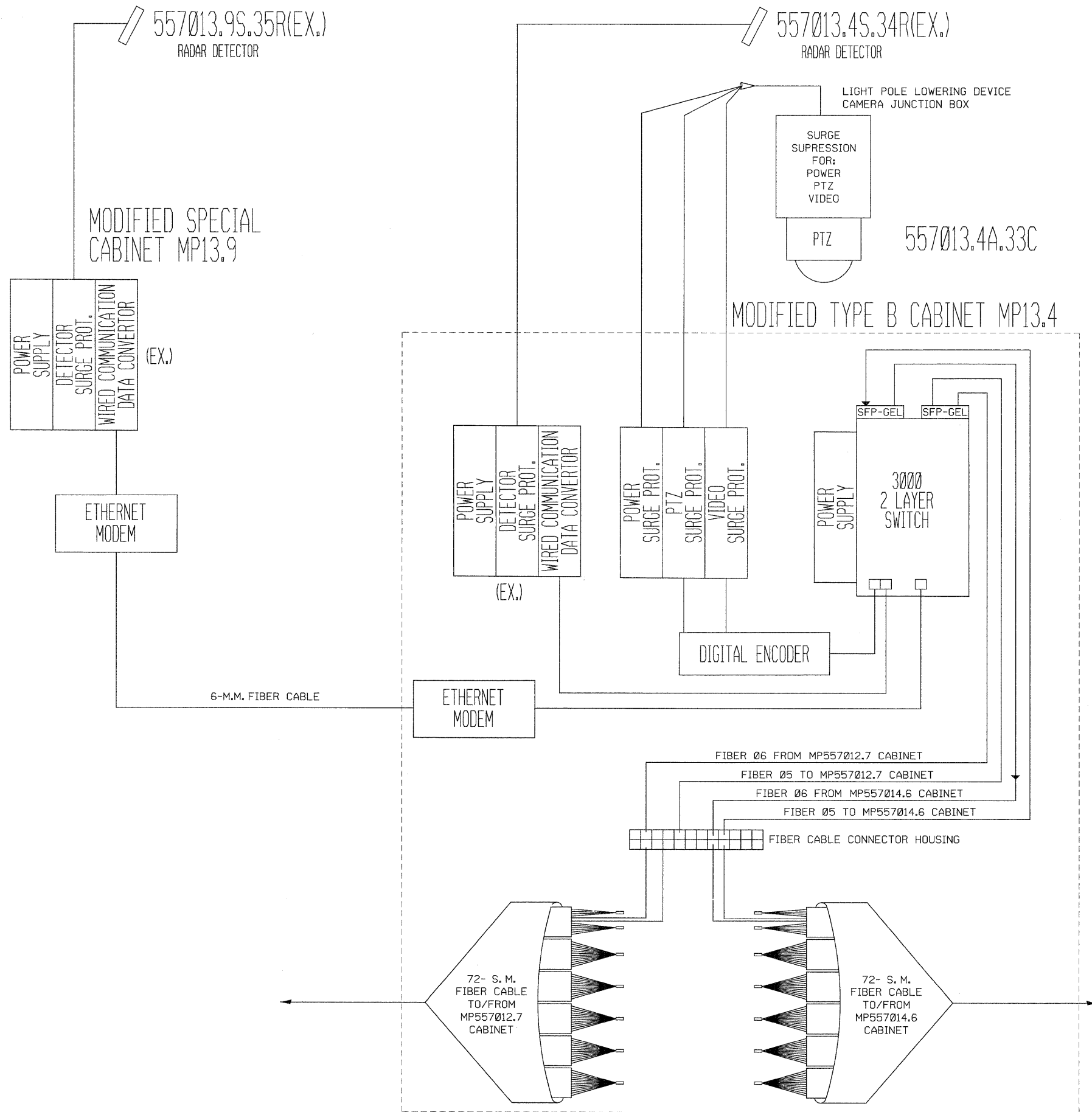
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	PLOT SCALE = 50,0000 ' / IN.	CHECKED -	REVISED -
	PLOT DATE = 3/1/2011	DATE -	REVISED -

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

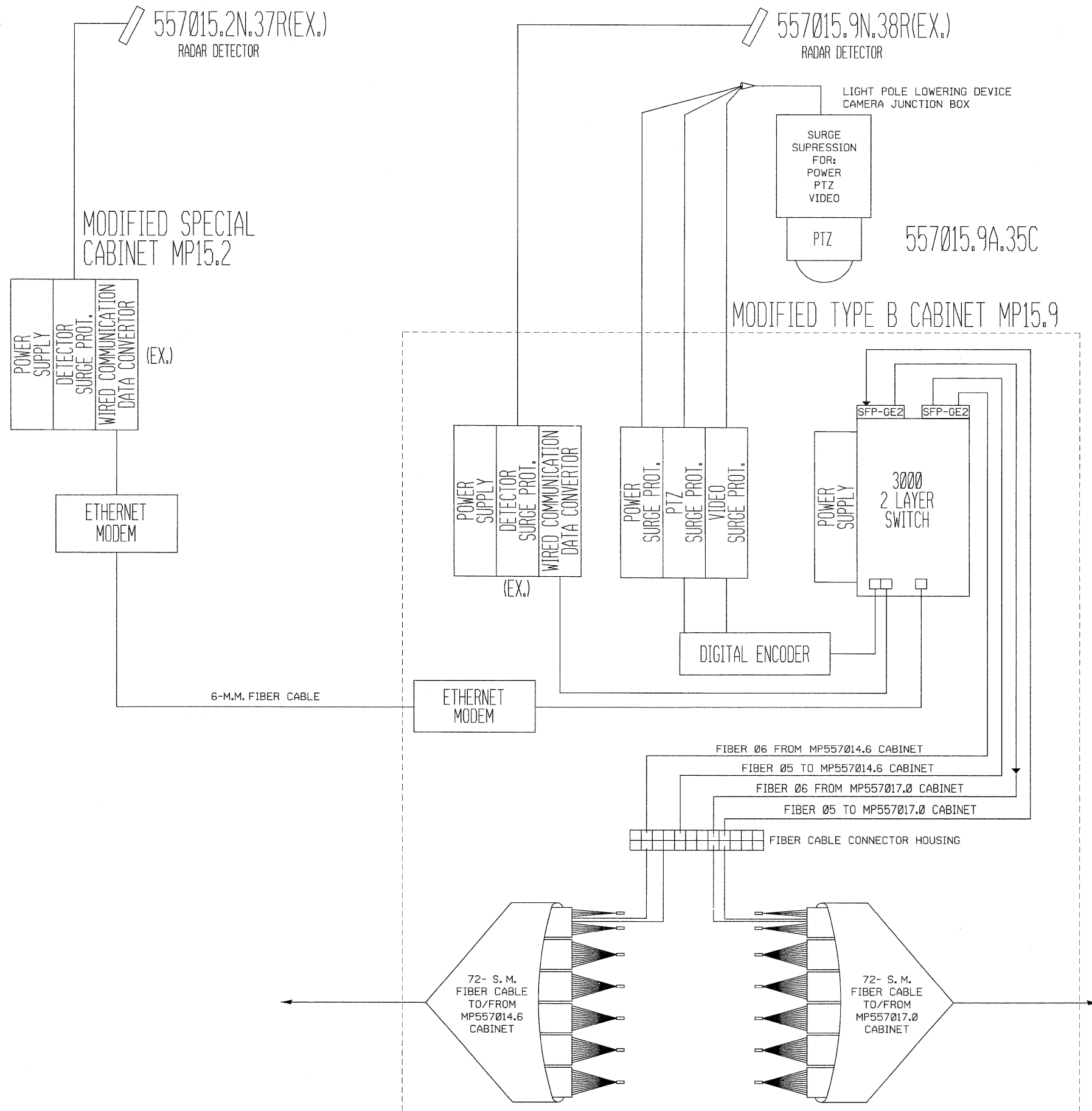
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

COMMUNICATION SHEET MP027003.2 CABINET			
SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
270	DIST D8 ITS 2011-1	MADISON	39	34
CONTRACT NO. 76E82				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

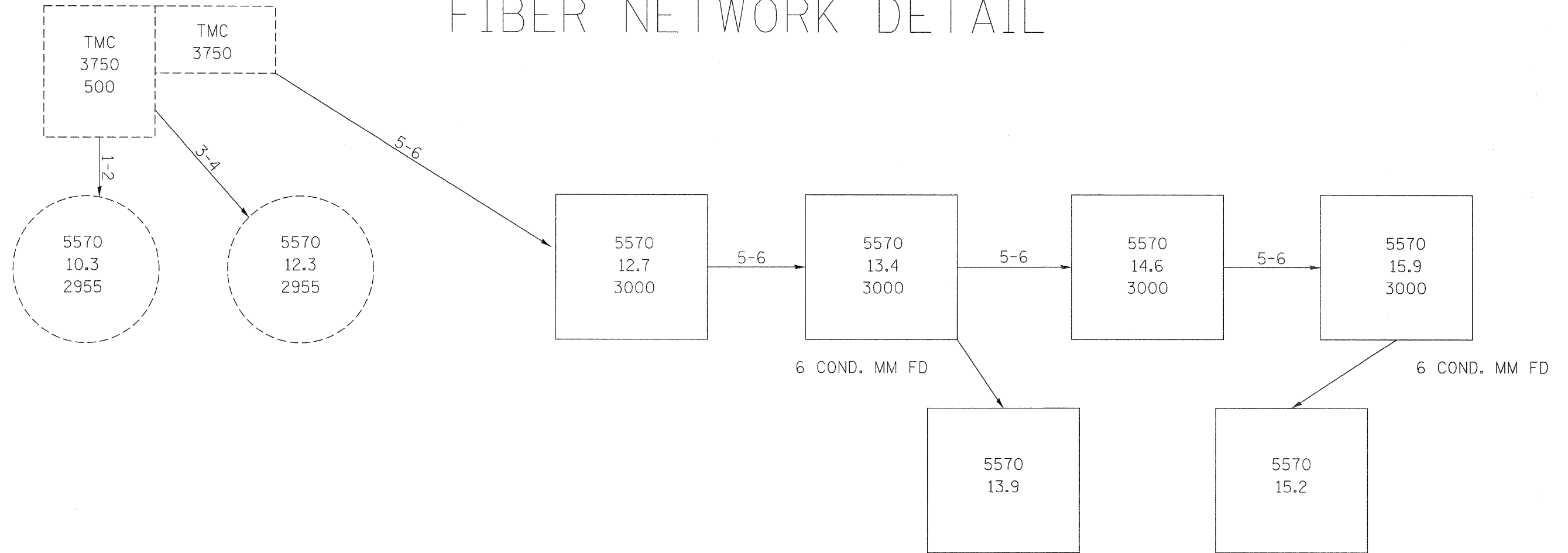


FILE NAME =	USER NAME = alfordb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COMMUNICATION SHEET MP027003.2 CABINET	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pw\work\pndot\alfordb\0248960\d876	02-sht-ITS.dgn	DRAWN -	REVISED -			270	DIST D8 ITS 2011-1	MADISON	39	35	
	PLOT SCALE = 50,0000 ' / IN.	CHECKED -	REVISED -			CONTRACT NO. 76D09					
	PLOT DATE = 3/1/2011	DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					
					SCALE:	SHEET NO. OF SHEETS		STA. TO STA.			



FILE NAME =	USER NAME = aifordb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	COMMUNICATION SHEET MP027003.2 CABINET	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwork\pwork\alfordb\d0248960\d87682-sh1-ITS.dgn	PLOT SCALE = 50,0000 ' / IN.	DRAWN -	REVISED -			270	DIST D8 ITS 2011-1	MADISON	39	36	
	PLOT DATE = 3/1/2011	CHECKED -	REVISED -			CONTRACT NO. 76E82					
		DATE -	REVISED -			FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT				
					SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	

FIBER NETWORK DETAIL



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

FILE NAME =	USER NAME = alfordb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	F.A.I. ROUTE 55 /70 DETAIL SHEET			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
cs:\pw\work\p\rdot\alfordb\0248960\d876	62-shr-ITS.dgn	DRAWN -	REVISED -					55/70	DIST 8 ITS 2011-1	MADISON	39	37
	PLOT SCALE = 50,0000 ' / IN.	CHECKED -	REVISED -		SCALE:			SHEET NO.	OF	SHEETS	STA.	TO STA.
	PLOT DATE = 3/1/2011	DATE -	REVISED -					CONTRACT NO. 76E82			ILLINOIS FED. AID PROJECT	

FIBER TERM-SPL SUMMARY

LOCATION (FIBERS ON EAST SIDE)

FIBER	557012.3	557012.7	557013.4	557013.9	557014.6	557015.2	557015.9
1-2	S	S	S		S		
3-4	T	S	S	T	S	T	
5-6	S	T	T	N	E	T	N
7-8	S	S	S	O	R	S	O
9-10	S	S	S	M	S	M	S
11-12	S	S	S	F	I	S	F
13-14	S	S	S	I	N	S	I
15-16	T	S	S	B	A	S	B
17-18	S	T	T	E	T	T	E
19-20	S	S	S	R	E	S	R
21-22	S	S	S	D	S	D	E
23-24	S	S	S		S		
25-26	S	S	S	H	S	H	
27-28	S	S	S	E	S	E	
29-36	S	S	S	R	S	R	
37-72	S	S	S	E	S	E	

LOCATION (FIBERS ON WEST SIDE)

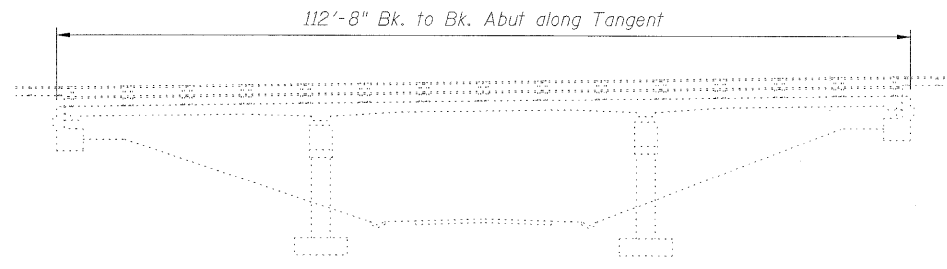
FIBER	557012.3	557012.7	557013.4	557013.9	557014.6	557015.2	557015.9
1-2	S	S	S		S		B
3-4	E	S	S	T	S	T	B
5-6	S	T	T	N	E	T	N
7-8	S	S	S	O	R	S	O
9-10	S	S	S	M	S	M	B
11-12	S	S	S	F	I	S	F
13-14	S	S	S	I	N	S	I
15-16	E	S	S	B	A	S	B
17-18	S	T	T	E	T	T	E
19-20	S	S	S	R	E	S	R
21-22	S	S	S	D	S	D	B
23-24	S	S	S		S		B
25-26	S	S	S	H	S	H	B
27-28	S	S	S	E	S	E	B
29-36	S	S	S	R	S	R	B
37-72	S	S	S	E	S	E	B

NOTE;

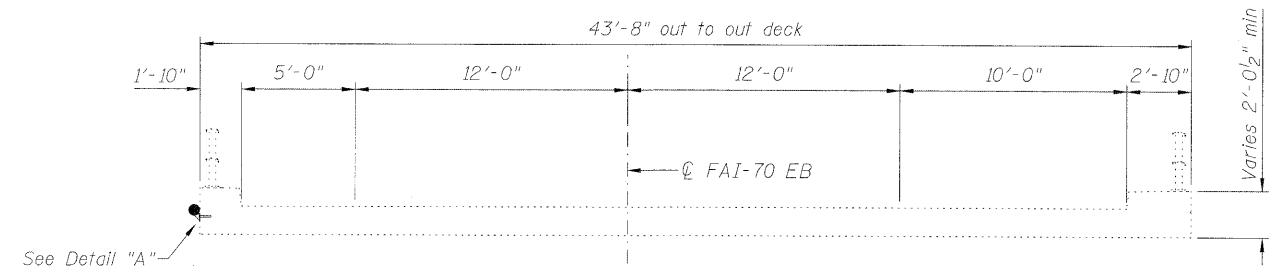
*T = TERMINATE FIBER S = FUSION SPLICE FIBER
 E = EXISTING TERMINATED FIBER
 B = BARE (UNUSED)

Location	Cisco Switches	SFP Modules		ETHERNET MODEM	DIGITAL ENCODER	DIGITAL DECODER
	IE-3000-8TC	SFP-GE-L	SFP-GE-Z			
MP557012.3 (EX. LOC.)						
MP557012.7	1	2			1	
MP557013.4	1	2		1	1	
MP557013.9				1		
MP557014.6	1	2			1	
MP557015.2				1		
MP557015.9	1	2		1	1	
TMC		1				4
Totals:	4	9	0	4	4	4

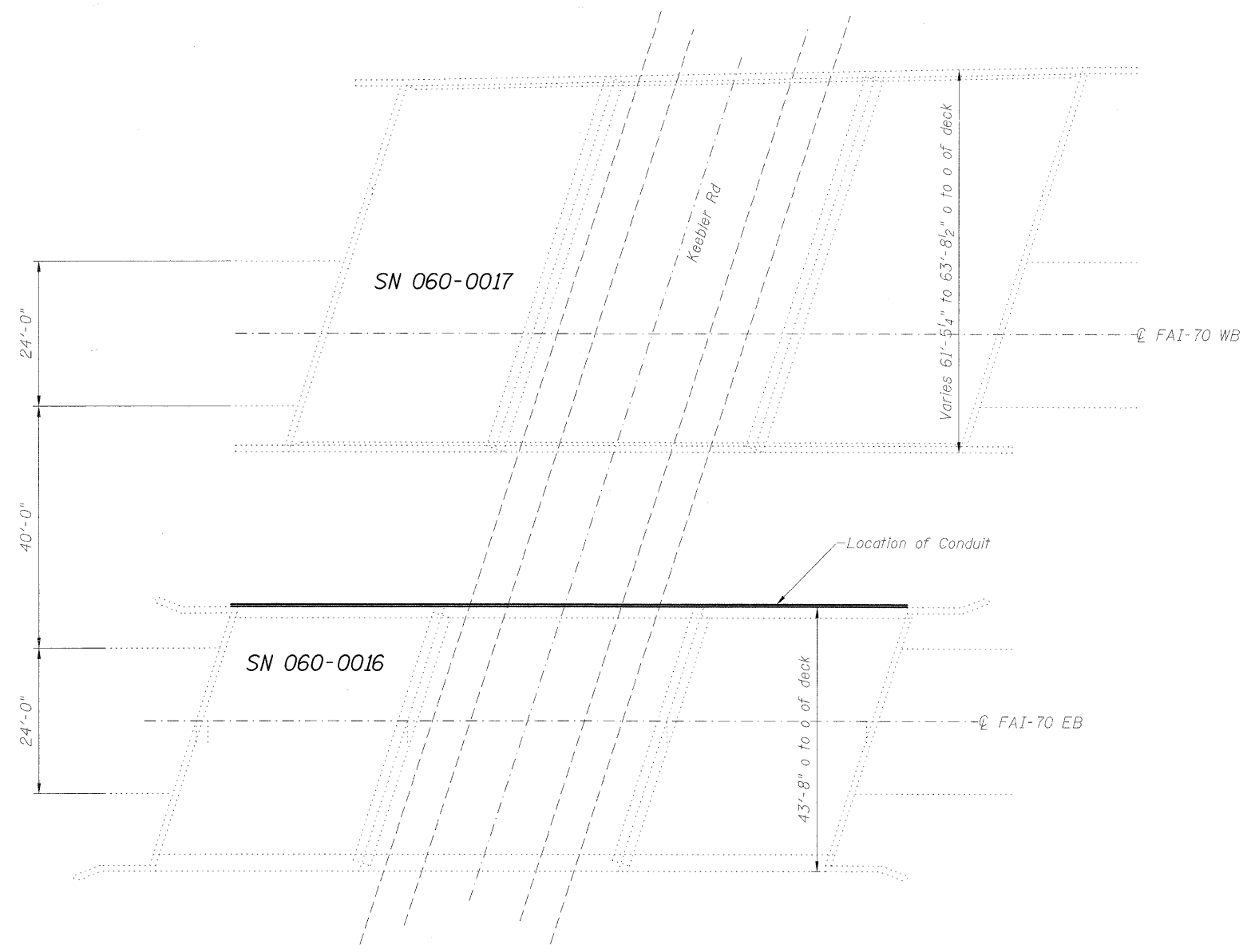
*SFP-GE-L = Standard Fiber SFP
 *SFP-GE-Z = Standard Fiber SFP
 GLC-FE-100LX = 100 Meg SMF SFP



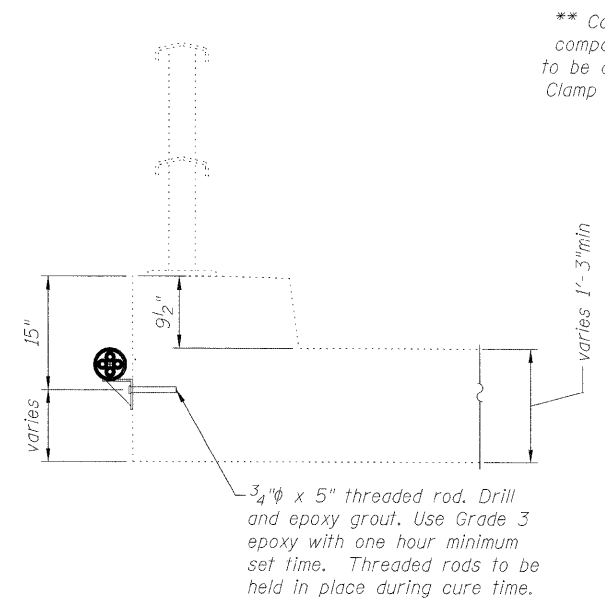
ELEVATION



CROSS-SECTION
(EB Structure 060-0016 Looking East)



PLAN



DETAIL "A"
(Structure 060-0016 Eastbound Looking East)

** Conduit Clamp and 4" conduit to be of compatible material. Conduit clamp spacing to be attached to structure on 5' intervals. Clamp and threaded rods to be approved by Engineer prior to installation.

DESIGNED *Brad Williams*
 CHECKED *John Uehle*
 DRAWN *Brad Williams*
 CHECKED *John Uehle*

EXAMINED _____ DATE _____
 ENGINEER OF STRUCTURAL SERVICES
 PASSED _____
 ENGINEER OF BRIDGES AND STRUCTURES

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

MULTI-DUCT CONDUIT CONNECTION DETAILS
SN 060-0016
 SHEET NO. 1 OF 1 SHEETS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
55/70	Dist 8 ITS 2011-11	MADISON	39	39
CONTRACT NO. 76E82			ILLINOIS FED. AID PROJECT	