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STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

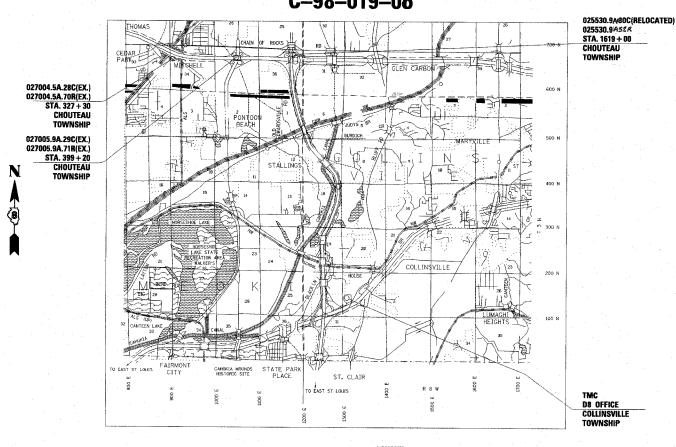
DIVISION OF HIGHWAYS

PROPOSED HIGHWAY PLANS

F.A.I. ROUTE 270 SECTION DIST 8 ITS 2009-2 PROJECT: CMI-270-5 (083) 010 **MADISON COUNTY**

ITS COMMUNICATION, DETECTION AND SURVEILANCE DEVICES FROM I-270 STA. 307+00 THEN EAST TO I-255 STA. 1619+00

C - 98 - 019 - 08



DIST 8 ITS 2009-2 MADISON 24 _1_

D-98-027-08



STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

STANDARDS

000001-05 280001-04 701101-01 701106-04 701400-02 701406-04 701446 701901 814001--01 814006--01 878001-06

ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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: BRIAN SNEED (618) 346-3118

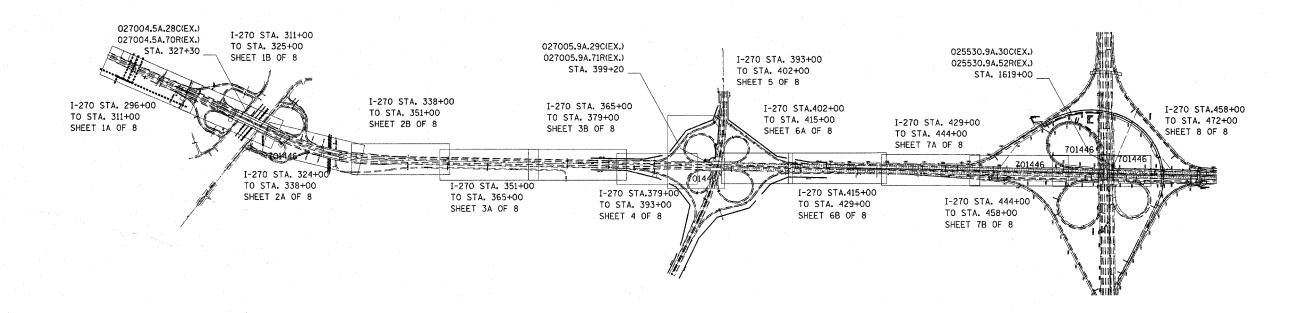
CONTRACT NO. 76B54

	FIELD EQUIPMENT NUMBERING SYSTEM
	EXAMPLE : 006402.8W.11D
0064	DESIGNATES HIGHWAY WHERE FIELD EQUIPMENT IS LOCATED.
0064 02.8	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 MESSAG
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

	TRA	AFFIC CONTROL		
TRAFFIC CONTROL	LOCATION	LOCATION	LOCATION	F.O. BACKBONE
AND PROTECTION	027004.5A.28C(EX.)	027005.9A.29C(EX.)	025530.9A.30C(EX.)	CONDUIT
STANDARDS	027004.5A.70R(EX.)	027005.9A.71R(EX.)	025530.9A.52R(EX.)	& HANDHOLES
701101	1	1	1	1
701106	1	1	1	1
701400				6
701406				6
701446				4
701901	1	1	1	1

TRAI	FFIC V	OLUME SCHEDULE		
LOCATION	YEAR	ADT (ESTIMATED)	SU%	MUX
027004.5A.28C(EX.) 027004.5A.7OR(EX.) STA. 327+30	2008	2100	2.5	2.7
027005.9A.29C(EX.) 027005.9A.71R(EX.) STA. 399+20	2008	28000	4.2	19.8
025530.9A.30C(EX.) 025530.9A.52R(EX.) STA. 1619+00	2008	14600	4.7	7.7

ITS ELEMENTS	STA.	PLAN SHEET
CCTV		
027004.5A.28C(EX.)	327+30	2A OF 8
027005.9A.29C(EX.)	399+20	5 OF 8
025530.9A.30C(EX.)	1619+00	8 OF 8
RADAR DETECTION		
027004.5A.70R(EX.)	327+30	2A OF 8
027005.9A.71R(EX.)	399+20	5 OF 8
025530.9A.52R(EX.)	1619+00	7 OF 7



HOED NAME	DECTONED	DEVICED				
			SCALE: I	- 1000		
			SCALE, 1	'' = 1600'		
			1600′	0	1600′	3200′
			1000/	_	1000/	7000/

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o:\projects\ed02708\electrical\itspln027	88a.dgn	DRAWN	REVISED	STATE OF ILLINOIS	PLAN SHEET LAYOUT / VOLUME SCHEDULE	270	DIST 8 ITS 2009-2	MADISON	24	2
	PLOT SCALE = 49.9995 / IN.	CHECKED	REVISED	DEPARTMENT OF TRANSPORTATION				CONTRACT	NO. 7	6B54
	PLOT DATE = 4/17/2008	DATE	REVISED		SCALE: SHEET NO OF SHEETS STA TO STA	FED. ROAD	DIST. NO ILLINOIS FED.	AID PROJECT		
										

SUMMARY OF QUANTITIES

	SUMMARY OF QUANTITIES		URBAN BOI. FEO. 201. STATE TOTAL	1.00477011		TRUCTION TYPE	F.O. BACKBONE	
CODE NO	STEEL ITEM	UNIT	QUANTITIES	LOCATION MP027004.5	LOCATION MP027005.9	LOCATION MP025530.9	CONDUIT & HANDHOLES	l TCM
X0326091	LIGHT POLE, 50 FT. WITH CAMERA LOWERING SYSTEM	EACH	1	1	***************************************			
X0 <i>326</i> 094	RELOCATE EXISTING ITS CONTROLLER CABINET	EACH	1	1				
X0326092	RELOCATE CLOSED CIRCUIT TELEVISION SURVEILLANCE CAMERA SYSTEM	EACH	1	1				
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	198				198	
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	198				198	
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	198				198	
25000210	SEEDING, CLASS 2A	ACRE	2.2				2.2	
25100105	MULCH, METHOD 1	ACRE	2.2				2.2	
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	220				220	
28000500	INLET AND PIPE PROTECTION	EACH	20				20	
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	8	1	1	1	4	1
67100100	MOBILIZATION	L SUM	1	0.2	0.2	0.2	0.3	0.1
70100430	TRAFFIC CONTROL AND PROTECTION, STANDARD 701446	EACH	6		* .*		6	
70100700	TRAFFIC CONTROL AND PROTECTION, STANDARD 701406	L SUM	1	0.1	0.1	0.1	0.7	
80300100	LOCATING UNDERGROUND CABLE	FOOT	14,300	100	100	100	14000	*
81012500	CONDUIT IN TRENCH, 1 1/2" DIA., PVC	FOOT	65	65				
81012800	CONDUIT IN TRENCH, 3" DIA., PVC	F00T	6	6				
31306400	RELOCATE EXISTING JUNCTION BOX	EACH	1	i				
31400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	37			. •	37	
81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	4	1	-		3	
31900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	14758	71			14687	
3600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	15	15				
37000105	ELECTRIC CABLE ASSEMBLY IN CONDUIT, 600V (EPR-TYPE TC) 2/C NO. 10 AND NO. 10 GROUND	FOOT	25	25				
37301715	ELECTRIC CABLE IN CONDUIT, COMMUNICATION NO. 18 6 PAIR	FOOT	25	25				
37800210	CONCRETE FOUNDATION, TYPE D (SPECIAL)	FOOT	3.5	3.5				
7900/.00	DRILL EXISTING FOUNDATION	EACH	2		2			
0322925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	16488				16488	
0325066	2955 LAYER 2 SWITCH	EACH	2	1	1			
0325073	MODIFY EXISTING CONTROLLER CABINET TYPE B	EACH	2	1	1			
0325075	CONDUIT ATTACHED TO STRUCTURE, 4" DIA., FIBERCLASS BULLET RESISTANT	FOOT	180				180	

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	PLOT SCALE = 49.9995 / IN.	CHECKED -	REVISED	DEPARTMENT OF TRANSPORTATION	COMMITTEE OF GOARTINES	270 DIST 8 ITS 2009-2 MADISON 24 3
	PLOT DATE = 3/17/2008	DATE	REVISED		SCALE: SHEET NO OF SHEETS STA TO STA.	CONTRACT NO. 76B54 FED. ROAD DIST. NO ILLINOIS FED. AID PROJECT
						. TED. ROAD DIST. NO ILLEINOIS FED. AID PROJECT

SUMMARY OF QUANTITIES

	SUMMARY OF QUANTITIES		URBAN 80% FED. 20% STATE TOTAL				CODE - Y032-1F	
ODE NO	ITEM	UNIT	TOTAL QUANTITIES	LOCATION MP027004.5	LOCATION MP027005.9	LOCATION MP025530.9	F.O. BACKBONE CONDUIT & HANDHOLES	TCM D8 OFFIC
0325076	WIDE AREA NETWORK	L SUM	1					
0325851	 FIBER OPTIC UTILITY MARKER (SUPPLIED BY OTHERS) IDENTIFICATION AND INSTALLATION	EACH	49				49	
0325273	REMOVE AND REINSTALL VIDEO DETECTION CAMERA	EACH	1					
0325473	MODIFY EXISTING CONTROLLER CABINET TYPE C	EACH	2	1	1			
0325475	MODIFY EXISTING CONTROLLER CABINET TYPE E	EACH	2	1	1			
0325482	REMOVE EXISTING ITS EQUIPMENT	EACH	1	1				
0325483 0325484	SFP-GE-L SFP MODULE SFP-GE-Z 3FP MODULE	EACH EACH	4			2	·	Z
0325487	WIRED COMMUNICATION DATA CONVERTOR	EACH	2		1	1		,
325525	GLC-FE-100 LX SFP MODULE	EACH	2		N .	2		
325575	CONDUIT PUSHED, 4" DIA., PVC, SCHEDULE 40	FOOT	911				911	
325576	CONDUIT ATTACHED TO STRUCTURE, 4" DIA., PVC, SCHEDULE 40	FOOT	612				612	
3100065	CONDUIT IN TRENCH, 4" DIA., PVC TYPE C	FOOT	14837	* .			14837	
3710075	FIBER OPTIC CABLE IN CONDUIT, 72 COND. S.M. F.O.	FOOT	18051				18051	
(003581	ELECTRIC CABLE IN CONDUIT, SERVICE NO. 6 1/C	FOOT	308	308				
0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	LSUM	1				1	
326104	RELOCATE RADAR DETECTOR SYSTEM	EACH	/					
325456	3750-125 LAYER 3 SWITCH	EACH	, ,				,	
123/50	JUNCTION BOX, ALUMINUM, ATTACHED TO STRUCTURE,	EACH	2				Z	
326103	DRILL BRIDGE ABUTMENT	EACH	2				2	
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c:\projects\ed02708\electrical\itspln027	98a.dgn	DRAWN	REVISED -	STATE OF ILLINOIS	SUMMARY OF QUANTITIES	RTE. SECTION COUNTY SHEET NO.
	PLOT SCALE = 49.9995 / IN.	CHECKED	REVISED -	DEPARTMENT OF TRANSPORTATION	SOUTHWATE OF COARTILES	270 DIST 8 ITS 2009-2 MADISON 24 4
	PLOT DATE = 3/17/2008	DATE -	REVISED		SCALE: SHEET NO OF SHEETS STA TO STA.	FED. ROAD DIST. NO ILLINOIS FED. AID PROJECT
						FED. ROAD DIST. NO ILLINOIS FED. AID PROJECT

LEGEND	
ALUM	ALUMINUM
EP	EDGE OF PAVEMENT
TW SH	TWISTED SHIELDED
PWR CBL	POWER CABLE
F.O.	FIBER OPTIC
J.B.	JUNCTION BOX
GSC	GALVANIZED STEEL CONDUIT
PVCC	POLYVINYL CHLORIDE CONDUIT
FGC	FIBER GLASS CONDUIT
	EXISTING HANDHOLE
	EXISTING DOUBLE HANDHOLE
\boxtimes	EXISTING CONTROLLER
	EXISTING SERVICE INSTALLATION
	EXISTING GALVANIZED STEEL CONDUIT
Q	EXISTING JUNCTION BOX
	EXISTING SIGN TRUSS
	EXISTING HIGHWAY LIGHTING UNIT
-0-	EXISTING UNDERGROUND LIGHTING CABLES
	PROPOSED HANDHOLE
	PROPOSED DOUBLE HANDHOLE
M	PROPOSED CONTROLLER
	PROPOSED CONDUIT: "T" TRENCH, "P" PUSH "ATS" ATTACHED TO STRUCTURE, SIZE SPECIF
	PROPOSED SERVICE INSTALLATION
©.	PROPOSED CCTV CAMERA
0	PROPOSED JUNCTION BOX, SIZE SPECIFIED
©	PROPOSED WOOD POLE, SIZE SPECIFIED
•	PROPOSED DETECTION SYSTEM (MICROLOOPS)
•	PROPOSED LIGHT POLE, SIZE SPECIFIED
	PROPOSED CHANGEABLE MESSAGE SIGN
© •	PROPOSED VIDEO DETECTION CAMERA
O	PROPOSED HIGHWAY ADVISORY RADIO

PROPOSED RADAR VEHICLE DETECTOR

GENERAL NOTES

- 1. CCTV ARE LOCATION SENSITIVE. PROPOSED EQUIPMENT LOCATIONS ARE APPROXIMATE TO ENSURE THE OPTIMUM FIELD OF VIEW. ACTUAL LOCATIONS SHALL BE DETERMINED IN THE FIELD BY THE CONTRACTOR, PER THE MANUFACTURER REPRESENTATIVES' RECOMMENDATIONS AND THE ENGINEER'S APPROVAL. MR. BRIAN SNEED OF BUREAU OF OPERATIONS SHALL BE CONTACTED FOR ACTUAL CAMERA LOCATION VERIFICATION.
- 2. ALL MATERIALS SUPPLIED SHALL CONFORM TO SECTION 106 OF THE STANDARD SPECIFICATIONS FOR CONTROL OF MATERIALS.
- 3. THE CONTROLLER CABINETS AND JUNCTION BOXES SHALL BE UNPAINTED ALUMINUM SHEET METAL UNLESS OTHERWISE SPECIFIED ON THE PLANS.
- 4. UNDERGROUND CABLE MARKING TAPE SHALL BE INSTALLED WITH ALL TRENCH AND BACKFILL FOR ELECTRICAL WORK IN ACCORDANCE WITH ARTICLES 819.05 AND 1066.05 OF THE STANDARD SPECIFICATIONS.
- 5. THE CONTRACTOR SHALL NOT DRILL ANY HOLES IN THE BEAMS, DECK, OR SUBSTRUCTURE OF THE BRIDGE, UNLESS OTHERWISE APPROVED BY THE ENGINEER.
- 6. ALL GROUND RODS SUPPLIED FOR THIS PROJECT SHALL BE IN ACCORDANCE WITH ARTICLE 1087.01 EXCEPT THAT THEY SHALL BE 3/4 " DIAMETER X 12'-0" LONG. ALL CONNECTIONS TO GROUND RODS SHALL BE MADE VIA EXOTHERMIC WELD, COMPRESSION CLAMPS WILL NOT BE ALLOWED.
- 7. 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.
- 8. BENDING RADIUS OF FIBER OPTIC CABLE SHALLBE LESS THAN SIX (6) INCHES.
- 9. NO OVERNIGHT LANE CLOSURES SHALL BE PERMITTED ON THIS PROJECT.
- 10. 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.
- 11. ALL UTILITIES AND DRAINAGE STRUCTURES SHALL BE LOCATED IN THE FIELD PRIOR TO ANY ATTEMPT TO CONSTRUCT ANY COMPONENT OF THE VARIOUS CCTV CAMERA SYTEMS AND VEHICLE DETECTION SYSTEMS. THE COST FOR LOCATING DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR TRENCH AND BACKFILL FOR ELECTRICAL WORK (SEE INLET AND PIPE PROTECTION SCHEDULE).
- 12. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO UTILITIES BEFORE DIGGING. FIELD MARKING
 OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS, THE UTILITY COMPANY DIRECTLY.
 AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
 - * 360NETWORKS (USA) INC.. (COMMUNICATIONS)
 - * AMEREN CIPS (ELECTRIC)
 - * AMEREN IP (ELECTRIC TRANSMISSION)
 - * AT & T ILLINOIS (COMMUNICATIONS)
 - * BUCKEYE PARTNERS L.P.-WOOD RIVER PIPELINE (PIPELINE)
 - * CENTERPOINT ENERGY (PIPELINE)
 - * CHARTER COMMUNICATIONS, INC. (CABLE TV)
 - * VILLAGE OF GLEN CARBON (SANITARY SEWER)
 - * ILLINOIS AMERICAN WATER CO. (WATER)
 - * LEVEL 3 COMMUNICATIONS, LLC (COMMUNICATIONS)
 - MADISON COUNTY SPECIAL SERVICE AREA #1 (SANITARY SEWER)
 MITCHELL PUBLIC WATER DISTRICT (WATER)
 - * PONTOON BEACH PUBLIC WORKS DISTRICT (WATER)
 - * SPRINT/NEXTEL (COMMUNICATIONS)
 - * VERIZON BUSINESS (COMMUNICATIONS)

(MEMBER OF J.U.L.I.E. (800-892-0123) ARE INDICATED BY "*". NON J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.)

- 13. A 9-1-1 ADDRESS MUST BE OBTAINED FROM THE ST. CLAIR COUNTY 9-1-1 COORDINATOR PRIOR TO OBTAINING ELECTRIC/
 TELEPHONE SERVICE AT THE PROJECT LOCATIONS. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER/TECHNICIAN
 A MINIMUM OF SIX WEEKS IN ADVANCE OF THE ANTICIPATED DATE THAT ELECTRIC/TELEPHONE SERVICE WILL BE REQUIRED IN
 ORDER THAT THE NECESSARY ADDRESS CAN BE OBTAINED. IF THERE ARE ANY QUESTIONS REGARDING THE ABOVE, CONTACT
 THE 9-1-1 COORDINATOR AT 618-692-6200, EXT. 5911 FOR MADISON COUNTY.
- 14. ALL FIBER BACKBONE CONDUIT SHALL BE PLACED A MINIMUM OF 5' FROM EDGE OF PAVEMENT OR AS INDICATED ON THE PLAN SHEETS OR PER FIELD ENGINEER'S RECOMMENDATION.
- 15. FIELD MEASUREMENTS ARE REQUIRED TO VERIFY DIMENSIONS OF EXISTING STRUCTURES PRIOR TO ORDERING MOUNTING HARDWARE.
- 16. FIBER OPTIC CABLE PULL TENSION WILL BE LIMITED BY PROVIDING JUNCTION BOXES OR HANDHOLES AT INTERVALS NO GREATER THAN 750 FEET.

*									
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cr\projects\ed02708\electrical\itspln027	18 a. dgn	DRAWN	REVISED	STATE OF ILLINOIS	GENERAL NOTES, LEGEND, & SPECIFICATIONS	270 DIST	8 ITS 2009-2	MADISON	24 5
	PLOT SCALE = 49,9995 / IN.	CHECKED	REVISED -	DEPARTMENT OF TRANSPORTATION				CONTRACT	NO. 76B54
	PLOT DATE = 4/17/2008	DATE	REVISED		SCALE: SHEET NO OF SHEETS STA TO STA	FED. ROAD DIST. NO	ILLINOIS FED. AI	D PROJECT	

NPDES PERMITS ASSOCIATED WITH THIS PROJECT:

☐ ILR10 ☑ ILR40 PERMIT NO. 0493

I CERTIFY LINDER PENALTY OF LAW TO

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 CULALIFIED 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

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 CONSISTS OF THE INSTALLING A DOUBLE HANDHOLE AT WB I-270 STA. 307+00, A 50' LIGHT POLE CONCRETE FOUNDATION AND CONTROLLER FOUNDATION AT EB I-270 STA. 327+00 BEHIND THE RAMP GUARDRAIL, AND INTERCONNECTING THE A DOUBLE HANDHOLE AT WB I-270 STA. 307+00, THE RELOCATED CONTROLLER AT EB I-270 STA. 327+00, THE CONTROLLER AT WB I-250 STA. 329+37, AND THE EXISTING CONTROLLER AT NB I-255 STA. 1619+00.

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

 CONSTRUCTION WILL INCLUDE EXCAVATION FOR CONCRETE LIGHT POLE FOUNDATIONS, CONTROLLER FOUNDATIONS,

 CONDUIT PUSH PITS AND HANDHOLES, AND TRENCH AND BACKFILL FOR ELECTRICAL CONDUIT.
- C. THE FOLLOWING IS A DESCRIPTION OF THE INTENDED SEQUENCE OF MAJOR ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE, SUCH AS GRUBBING, EXCAVATION AND GRADING:

DESCRIPTION OF INTENDED SEQUENCE FOR MAJOR CONSTRUCTION ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE:

PROTECT INLETS AND PIPES OFF THE SHOULDERS AND IN THE MEDIANS PRIOR TO THE WORK DESCRIBED ABOVE, APPLY TEMPORARY SEEDING DURING CONSTRUCTION, APPLY FERTILIZER, SEED AND MULCH AFTER CONSTRUCTION,

D. THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 2.5 ACRES.

THE TOTAL AREA OF THE SITE THAT IS ESTIMATED WILL BE DISTURBED BY EXCAVATION, GRADING OR OTHER ACTIVITIES IS 2.5 ACRES.

- E. THE FOLLOWING IS A WEIGHTED AVERAGE OF THE RUNOFF COEFFICIENT FOR THIS PROJECT AFTER CONSTRUCTION ACTIVITIES ARE COMPLETED: 5.5
- F. THE FOLLOWING IS A DESCRIPTION OF THE SOIL TYPES FOUND AT THE PROJECT SITE FOLLOWED BY INFORMATION REGARDING THEIR EROSIVITY:

THREE SOIL TYPES ARE LOCATED WITHIN THE PROJECT AREA FROM 1-270 STA. 327+00 THEN EAST TO 1-255 STA. 1619+00. THESE ARE:

ORTHENTS, LOAMY, HILLY (802D) - A WELL DRAINED SOIL WITH LOW PERMEABILITY. THIS SOIL IS SUBJECT TO OCCASIONAL FLOODING. THIS SOIL HAS A MODERATE POTENTIAL FOR WATER AND WIND PROSION.

DARWIN SILTY CLAY (8071L) - A POORLY DRAINED SOIL WITH LOW PERMEABILITY. THIS SOIL IS OCCASIONALLY FLOODED WITH 0 TO 2 PERCENT SLOPES. THIS SOIL HAS A MODERATE POTENTIAL FOR WATER AND WIND EROSION.

ORTHENTS, SILTY, HILLY (801D) - A SOMEWHAT POORLY DRAINED SOIL WITH LOW PERMEABILITY. THIS SOIL IS NOT SUBJECT TO FLOODING. THIS SOIL HAS A MODERATE POTENTIAL FOR WATER EROSION AND A SLIGHT POTENTIAL FOR WIND EROSION.

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

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

FROM			0	SOIL DISTURBING ACTIVITIES EROSIVE FACTORS
DHH1	302+08, 88'L	59H1	310+19, 134°L	CONDUIT IN TRENCH W/ HH DR FNO. EXCAVATION
HH1	310+19, 134'L	HH2	310+32, 97'L	CONDUIT IN TRENCH W/ HH OR FND, EXCAVATION
HH2	310+32, 97'L	HH3	315+47, 87'L	CONDUIT IN TRENCH W/ HH OR FND. EXCAVATION PIPES @ 310+00, 104'L & 315+00, 110
HH3	315+47, 87'L	HH4	315+80, 122'L	CONDUIT IN TRENCH W/ HH OR FND. EXCAVATION
HH4	315+80, 122'L	HH5	318+05, 92'L	CONDUST IN TRENCH W/ HH OR FND. EXCAVATION
HH5	318+05, 92'L	HH6	324+64, 91'L	CONDUIT IN TRENCH W/ HH OR FND. EXCAVATION @ BRIDGE ABUTMENT SLOPE
HH6	324+64, 91%	DHH2	327+06, 91/L	CONDUIT IN TRENCH W/ HH OR FND. EXCAVATION
DHH2	327+06, 91'L	DHH3	326+91, 118'R	CONDUIT IN TRENCH W/ HH OR FND. EXCAVATION
DHH3	326+91, 118'R	CONTROLLER	326+91, 131'R	CONDUIT IN TRENCH W: HH OR FND. EXCAVATION BEHIND GUARDRAIL
CONTROLLER	326491, 131'R	SERV. INSTALL.	326+30, 123'R	CONDUIT IN TRENCH W/ HH OR FNO. EXCAVATION BEHIND GUARDRAIL
CONTROLLER	326+91, 131'R	POLE	327+10, 107'R	CONDUIT IN TRENCH W/ HH OR FND. EXCAVATION BEHIND GUARDRAIL
DHH2	327+06, 91%	HH7	328+94, 120°L	CONDUIT IN TRENCH W/ HH OR FND. EXCAVATION
HH7	328+94, 120%	HHB	330+28, 90°L	CONDUST IN TRENCH W/ HH OR FND. EXCAVATION
HHB	330+28, 90°L	HH9	330+97, 93%	CONDUIT IN TRENCH W/ HH OR FND. EXCAVATION
HH9	330+97, 931L	HHID	331+29, 127'L	CONDUIT IN TRENCH W/ HH OR FND. EXCAVATION
HH10	331+29, 127'L	JB1	334+20, 83'L	CONDUIT IN TRENCH W/ HH OR FND. EXCAVATION
JB1	334+20, 83°L	JB2	337+08, 86%	CONDUIT IN TRENCH W/ HH OR FND, EXCAVATION & BRIDGE ABUTMENT SLOPE
JB2	337+08, 86°L	HHII	344+94, 81'L	CONDUIT IN TRENCH W/ HH OR FND, EXCAVATION
HN11	344+94, 81'L	HH12	352++50, 72'L	CONDUIT IN TRENCH W/ HH OR FND. EXCAVATION PIPE @ 348+93, 97'L
HH12	352++50, 721	10113	360+07, 70'L	CONDUIT IN TRENCH W/ HH OR FND, EXCAVATION PIPE @ 355+70, 77'L
HH13	360+07, 70'L	HH14	367+66, 69'L	CONDUIT IN TRENCH W/ HH OR FND. EXCAVATION
HH14	367+66, 69%	HH15	375+26, 68%	CONDUIT IN TRENCH W/ HH OR FND, EXCAVATION
HH15	375+26, 68°L	HH16	382+85/, O'L	CONDUIT IN TRENCH W/ HH OR FND. EXCAVATION PIPE @ 375+94, 79'L
HH16	382+85/, O'L	HH17	390+43, 91'L	CONDUIT IN TRENCH W/ HH OR FND. EXCAVATION PIPE @ 383+00, 79%.
HH17	390+43, 91°L	HH18	392+44, i36'L	CONDUIT IN TRENCH W/ HH OR FND. EXCAVATION
HH18	392+44, 1361.	HH19	392+56, 82%	CONDUIT IN TRENCH W/ HH OR FND. EXCAVATION
HH19	392+56, 82%	HH20	396+42, 95°L	CONDUIT IN TRENCH W/ HH OR FND. EXCAVATION
HH20	396+42, 95°L	HH21	396+75, 128'L	CONDUIT IN TRENCH W/ HH OR FND. EXCAVATION
HH21	396+75, 128°L	DHH4	399+40, 1371	CONDUIT IN TRENCH W/ HR OR FND. EXCAVATION
0444	399+40, 137'L	CONTROLLER	399+40, 127'L	CONDUIT IN TRENCH W/ HH OR FND. EXCAVATION
DHH4	399+40, 137'L	HH22	400+36, 79'L	CONDUIT IN TRENCH W/ HH OR FND. EXCAVATION
HH22	400+36, 79'L	HH23	402+61, 81'L	CONDUIT IN TRENCH W/ HH OR FND. EXCAVATION & BRIDGE ABUTMENT SLOPE
HH23	402+61, BI'L	HH24	405+06, 110'L	CONDUIT IN TRENCH W/ HH OR FND. EXCAVATION
HH24	405+06, 110°L	HH25	405+16, 70'L	CONDUIT IN TRENCH W/ HH OR FND. EXCAVATION
HH25	405+16, 70'L	HH26	412+69, 71'L	CONDUIT IN TRENCH W/ HH OR FND. EXCAVATION
HH26	412+69, 71'L	PHC7	412+69, 71'L	CONDUIT IN TRENCH W/ NH OR FND, EXCAVATION
HH27	412+69, 71'L	HH28	420+38, 83°L	CONDUIT IN TRENCH W/ HH OR FND. EXCAVATION PIPE & 415+59, 100'L
HH28	420+38, 831.	HH29	428+93, 38'L	CONDUIT IN TRENCH W/ HH OR FND. EXCAVATION
HH29	428+93, 38°L	BH30	435+59, 96°L	CONDUIT IN TRENCH W/ HH OR FND, EXCAVATION PIPE & 428+49, 110°L
HH30	435+59, 96'L	HH31	443+16, 104'L	CONDUIT IN TRENCH W/ HH OR FND, EXCAVATION
HH3[443+16, 104'L	HH32	444+94, 138'L	CONDUST IN TRENCH W/ HH OR FND. EXCAVATION
HH32	444+94, 1387	HH33	444+05, 77'L	CONDUIT IN TRENCH W/ HH OR FND. EXCAVATION
HH33	444+05, 77'L	HH34	451+81, 81'L	
				CONDUIT IN TRENCH W/ HR OR FND. EXCAVATION
HH34	451+81, 81°L	HH35	459+49, 1071	CONDUIT IN TRENCH W/ HH OR FND. EXCAVATION
HH35	459+49, 1077	HH36	459+63, 49'L	CONDUIT IN TRENCH W/ HH OR FND. EXCAVATION
HH36	459+63, 49°L	HH37	466+18, 184'L	CONDUIT IN TRENCH W/ HH OR FND. EXCAVATION
HH37	466+18, 184'L	CONDUIT SPLICE	467+75, 187'L	CONDUIT IN TRENCH W/ HH OR FND. EXCAVATION

- I. SEE THE ITS PLANS TO LOCATE CONTROLS TO PREVENT SITE SEDIMENT TRACKING, AREAS OF SOIL DISTURBANCE AND LOCATIONS WHERE STORM WATER IS DISCHARGED TO SURFACE WATER.
- 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:

NOT APPLICABLE

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

☑ SOIL SEDIMENT

M CONCRETE TRUCK WASTE

CONTROLS

THIS SECTION OF THE PLAN ADDRESSES THE CONTROLS THAT WILL BE IMPLEMENTED FOR EACH OF THE MAJOR CONSTRUCTION ACTIVITIES DESCRIBED ABOVE AND FOR ALL USE AREAS 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 WILL BE PROVIDED AT THE PRE-CONSTRUCTION CONFERENCE, AND ARE A PART OF. THIS PLAN.

II. 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 IKAKING) AND HIKAKIS, 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 14 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAPORARILY OR PERMANENTLY CEASED, BUT OF PERMANENTLY CEASES ON ALL DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION WILL NOT OCCUR FOR A PERIOD OF 21 OR MORE CALENDAR DAYS.

WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 14TH DAY AFTER CONSTRUCTION

ACTIVITY TEMPORARILY OR PERMANENTLY CEASES IS PRECLUDED BY SNOW COVER, STABILIZATION
MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE THEREAFTER.

THE FOLLOWING STABILIZATION PRACTICES WILL BE USED FOR THIS PROJECT:

(CHECK ALL THAT APPLY)

TEMPORARY EROSION CONTROL SEEDING

PERMANENT SEEDING

DESCRIBE HOW THE STABILIZATION PRACTICES LISTED ABOVE WILL BE UTILIZED:

 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

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. EROSION CONTROL BLANKETS/MULCHING - EROSION CONTROL BLANKETS WILL BE INSTALLED OVER FILL SLOPES AND IN HIGH VELOCITY AREAS (LE. DITCHES) THAT HAVE BEEN BROUGHT TO FINAL GRADE AND SEEDED TO PROTECT SLOPES FROM EROSION AND ALLOW SEEDS TO GERMINATE. MILCH, METHOD 2 WILL BE APPLIED IN RELATIVELY FLAT AREAS TO PROTECT THE DISTURBED AREAS AND PREVENT FURTHER EROSION.

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.

PERMANENT STABILIZATION - ALL AREAS DISTURBED BY CONSTRUCTION WILL BE STABILIZED WITH PERMANENT SEEDING IMMEDIATELY FOLLOWING THE FINISHED GRADING. EROSION CONTROL BLANKETS WILL BE INSTALLED OVER FILL SLOPES WHICH HAVE BEEN BROUGHT TO FINAL GRADE AND HAVE BEEN SEEDED TO PROTECT THE SLOPES FROM RILL AND GULLY EROSION AND ALLOW SEED TO GERMINATE PROPERLY. MULCH, METHOD 2 WILL BE USED ON RELATIVELY FLAT AREAS.

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, CABIONS, 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: (CHECK ALL THAT APPLY)

M PERIMETER EROSION BARRIER

STORM DRAIN INLET PROTECTION

DESCRIBE HOW THE STRUCTURAL PRACTICES LISTED ABOVE WILL BE UTILIZED:

1. PERIMETER EROSION BARRIER - SILT FENCES WILL BE PLACED ALONG THE BANKS OF THE CAHOKIA CANAL IN AN EFFORT TO CONTAIN SILT AND RUNOFF FROM LEAVING THE SITE.

CONSTRUCT AT BEGINNING OF CONSTRUCTION. REMOVE AT END OF CONSTRUCTION.

2. 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 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 NOTABLEED CERTIFICATION ST HE 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.

SEEDING SCHEDULE

 SEE	DING SCH	FDOLE				100	1000	1.7							
14.00	1-270	1-270	I-270	1-270	I-270	1-270	I-270	I-270	I-270	1-270	I-270	1-270	1-270		
	STA.	STA.	STA.	STA.	STA.	STA.	STA.	STA.	STA.	STA.	STA.	STA.	STA.		
1.0	267+00	311+00	325+00	338+00	351+00	365+00	379+00	393+00	402+00	415+00	429+00	444+00	458+00		
LOCATION	ТО	TO	ТО	то	TO	ТО	то	TO	STA.	TO	то	TO	ТО	TOTAL	1
2.00	STA.	STA.	STA.	STA.	STA.	STA.	STA.	STA.	ТО	STA.	STA.	STA.	STA.	ACRES	
	311+00	325+00	338+00	351+00	365+00	379+00	393+00	402+00	415+00	429+00	444+00	458+00	472+00		
SHEET *	1.A	18	2A	2B	3A	38	4	5	6A	6B	7A	7B	8	100	1
OF 8			1		J	"									
ACRES	0.10	0.10	0.10	0.20	0.20	0.10	0.20	0.10	0.10	0. 20	0.20	0.20	0.10	1.8	

DESIGNED HE NAME = REVISED SECTION ___ ---COUNTY SHEETS NO. REVISED STATE OF ILLINOIS DRAWN SWPPP PLAN 270 DIST 8 ITS 2009-2 MADISON 24 ---LOT SCALE = 49,9995 / IN CHECKED REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 76B54 _ SHEET NO. __ OF ___ SHEETS STA. ____ TO STA. LOT DATE = 4/16/2008 DATE REVISED

- G. 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 THE PROPOSED STORM SEWER OUTLETS TO BE CONSTRUCTED FOR THIS

- 4. OTHER CONTROLS:
 - g. 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 (S)HE 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 OFFIVERED 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,
- 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
- 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 (S)HE 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.

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 ILRIO 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 OF 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

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.

2. PERIMETER EROSION BARRIER - SEDIMENT WILL BE REMOVED IF THE INTEGRITY OF THE FENCING IS IN JEOPARDY AND ANY FENCING KNOCKED DOWN WILL BE REPAIRED IMMEDIATELY,

3. EROSION CONTROL BLANKET/MULCHING - ANY AREAS THAT FAIL WILL BE REPAIRED IMMEDIATELY.

THE RESIDENT ENGINEER WILL PROVIDE MAINTENANCE GUIDES TO THE CONTRACTOR FOR THESE PRACTICES. ALL MAINTENANCE OF EROSION CONTROL SYSTEMS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR UNTIL CONSTRUCTION IS COMPLETE AND ACCEPTED BY IDOT AFTER FINAL INSPECTION. ALL LOCATIONS WHERE VEHICLES ENTER AND EXIT THE CONSTRUCTION SITE AND ALL OTHER AREAS SUBJECT TO EROSION SHOULD ALSO BE INSPECTED PERIODICALLY.

INSPECTION OF THESE AREAS SHALL BE MADE AT LEAST ONCE EVERY SEVEN DAYS AND WITHIN 24 HOURS OF THE END OF EACH 0.5 INCHES OR GREATER RAINFALL, OR AN EQUIVALENT SNOWFALL. THE PROJECT SHALL ADDITIONALLY BE INSPECTED BY THE CONSTRUCTION FIELD ENGINEER ON A BI-WEEKLY BASIS TO DETERMINE THAT EROSION CONTROL

THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AFTER USE IS NO LONGER NEEDED. THE COST OF THIS REMOVAL SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE TEMPORARY EROSION CONTROL SYSTEM.

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 LIRGENCY OF THE SITUATION. THE RESIDENT ENGINEER WILL NOTIFY THE CONTRACTOR OF THE TIME REQUIRED TO IMPLEMENT SUCH
- 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 COMPLETE AND FILE AN "INCIDENCE OF NONCOMPLIANCE" (ION) REPORT FOR THE IDENTIFIED VIOLATION, 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
 - 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,
- E. VEHICLE AND EQUIPMENT FUELING A VARIETY OF BMPS CAN BE IMPLEMENTED DURING FUFLING OF VEHICLES AND VEHICLE AND ENDINGERY 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
 - CONTAINMENT
 - 2. SPILL PREVENTION AND CONTROL
 - 3. USE OF DRIP PANS AND ABSORBENTS
 - AUTOMATIC SHUT-OFF NOZZLES 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.

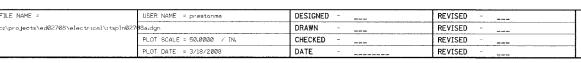
VI. FAILURE TO COMPLY:

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.

LEGEND

INLET AND PIPE PROTECTION- STRAW BALES, FILTER FABRIC, AGGREGATES

TO STA.

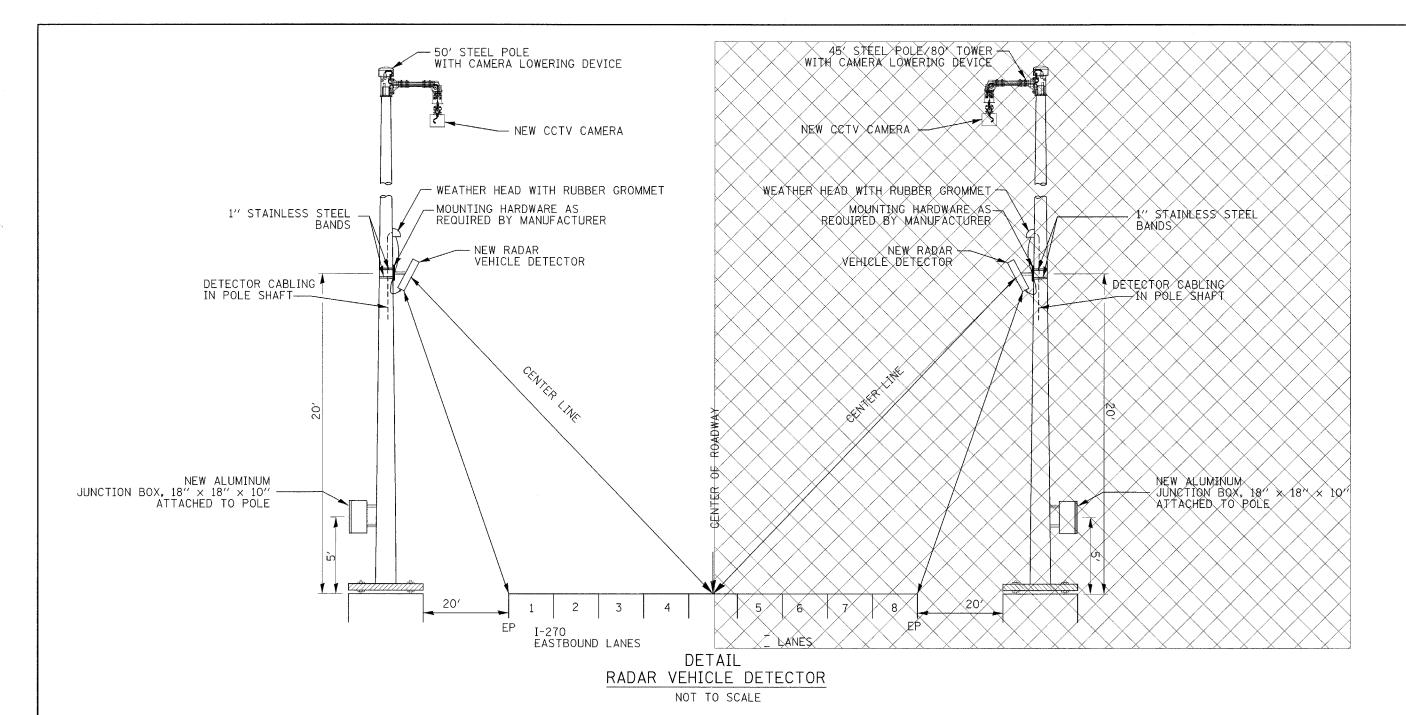


STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION** SWPPP PLAN

SHEET NO. __ OF __ SHEETS STA. _____

SCALE:

SECTION COUNTY SHEETS MADISON 24 270 DIST 8 ITS 2009-2 CONTRACT NO. 76B54



LOCATIONS:

1. REL. 027004.5A.28C REL. 027004.5A.70R 50' STEEL POLE W/2 LANES PER DIRECTION

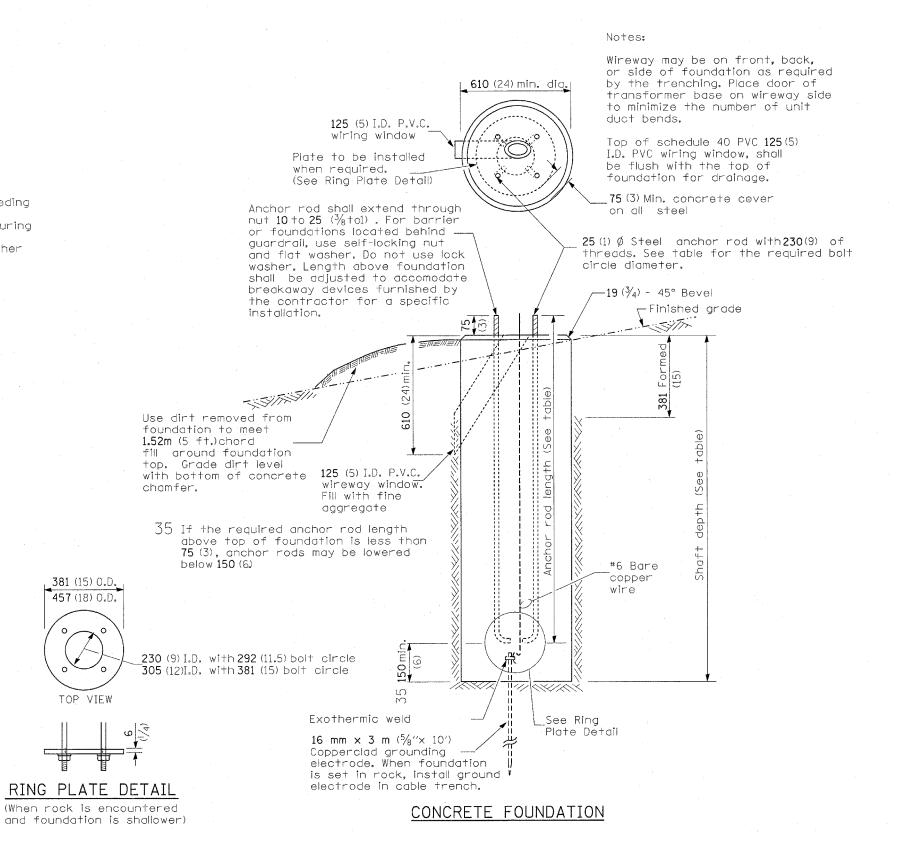
FI	LE NAME =	USER NAME = prestonme	DESIGNED	REVISED			F.A.I. SECTION COUNTY TOTAL SHEE
o ! `	\projects\ed02708\electrical\itspln027	8a.dgn	DRAWN	REVISED	STATE OF ILLINOIS	RADAR VEHICLE DETECTION DETAILS	270 DIST 8 ITS 2009-2 MADISON 24 8
İ		PLOT SCALE = 50.0000 / IN.	CHECKED	REVISED	DEPARTMENT OF TRANSPORTATION		CONTRACT NO. 76B54
L.		PLOT DATE = 3/18/2008	DATE	REVISED		SCALE: SHEET NO OF SHEETS STA TO STA	FED. ROAD DIST. NO ILLINOIS FED. AID PROJECT

	. 1			
		CONCE	RETE FOUNE	NOITA
LIGHT POLE	BOLT CIRCLE	SHAFT	SHAFT	ANCHOR ROD
MOUNTING HEIGHT	DIAMETER	DIAMETER	DEPTH	LENGTH *
(9.1 m	292 mm (11 ¹ / ₂ '')	610mm (24′′)	1.52 m (5′-0″)	1.45 m (4'-9'')
9.4 m - 10.7 m	292 mm	610mm	1.67 m	1.60 m
(31′-35′)	(11 ¹ /2'')	(24m)	(5′-6′′)	(5'-3'')
10.9 m - 12.2 m	381 mm	610mm	1.83 m	1.75 m
(36'-40')	(15")	(24′′)	(64-011)	(5'-9'')
12.5 m - 13.7 m	381 mm	610mm	1.98 m	1.90 m
(41'-45')	(15′′)	(24′′)	(6′-6′′)	(6'-3")
14.0 m - 15.2 m	381 mm	610mm	2.13m	2.00 m
(46′-50′)	(15′′)	(24′′)	(7'-0'')	(6'-9'')

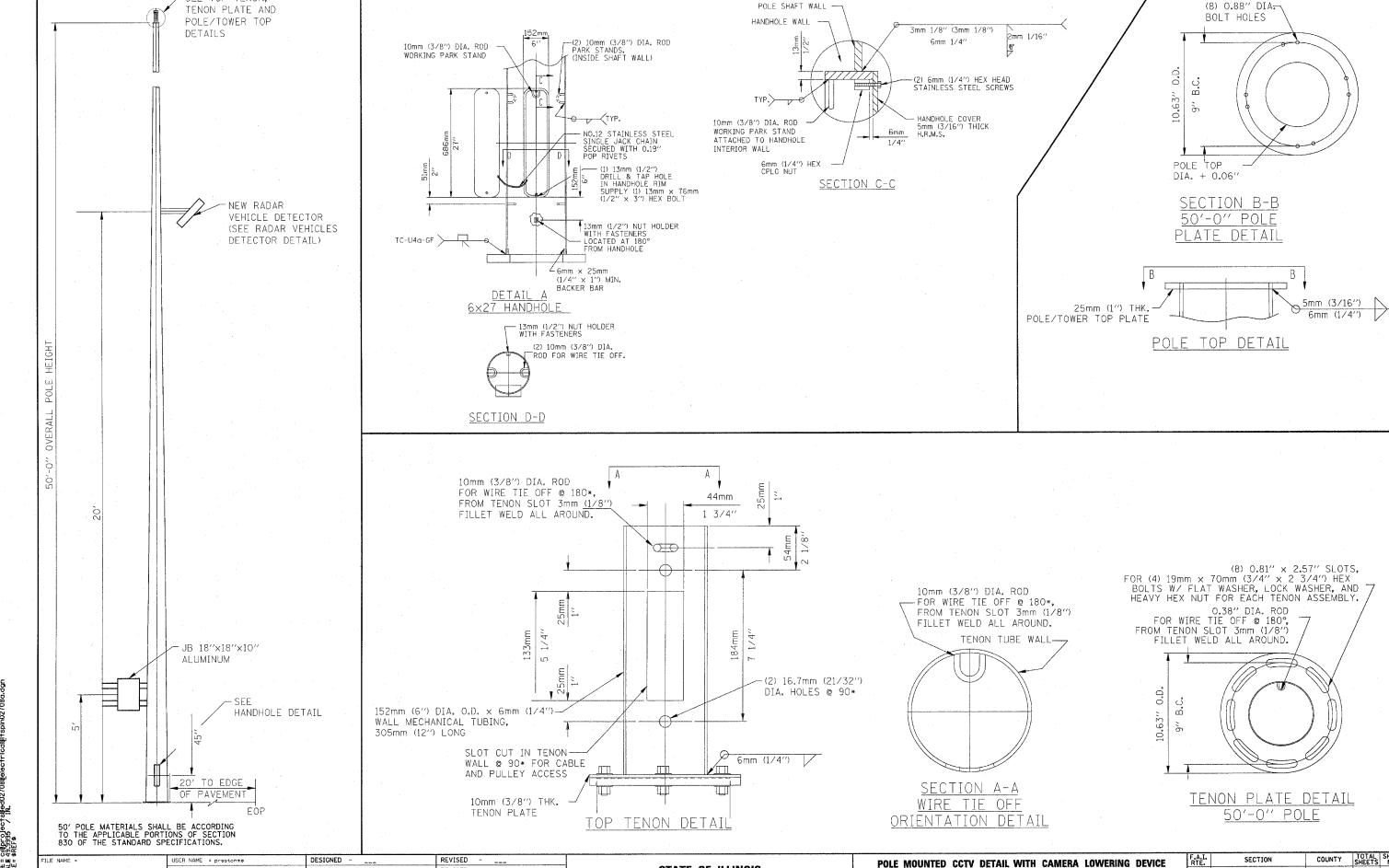
* Length does not include 100 (4)hook

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.



SECTION FILE NAME = DESIGNED REVISED - ---___ STATE OF ILLINOIS LIGHT POLE FOUNDATION DETAILS DRAWN REVISED 270 DIST 8 ITS 2009-2 REVISED **DEPARTMENT OF TRANSPORTATION** CONTRACT NO. 76B54 PLOT SCALE = 49,9995 / IN. CHECKED SHEET NO. __ OF __ SHEETS STA. ____ TO STA. ___ REVISED PLOT DATE = 4/17/2008 DATE



P.OT DATE 4/17/2008 FILE BAME culprojects@ed02708@electricd@itspin02708c FOT SCALE 953995 / IN. REFERENCE 96EE's SEE TOP TENON,

DRAWN

DATE

CHECKED

PLOT SCALE = 49.9995 / IN.

PLOT DATE = 4/17/2008

REVISED -

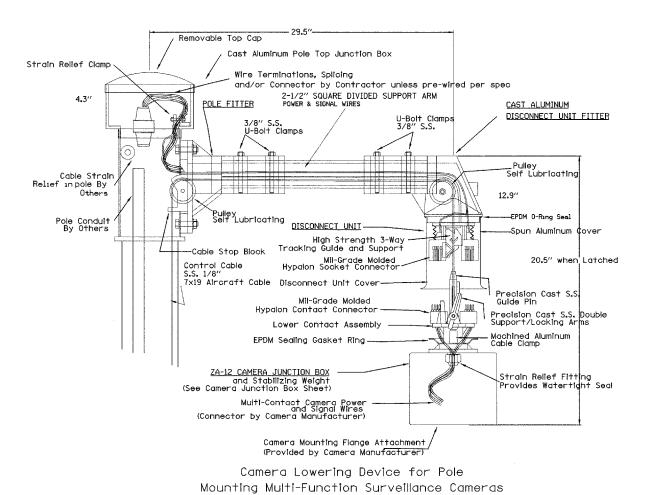
REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

POLE MOUNTED CCTV DETAIL WITH CAMERA LOWERING DEVICE

1 OF 2

LE: _____ SHEET NO. _ OF __ SHEETS | STA. _____ TO STA. _____

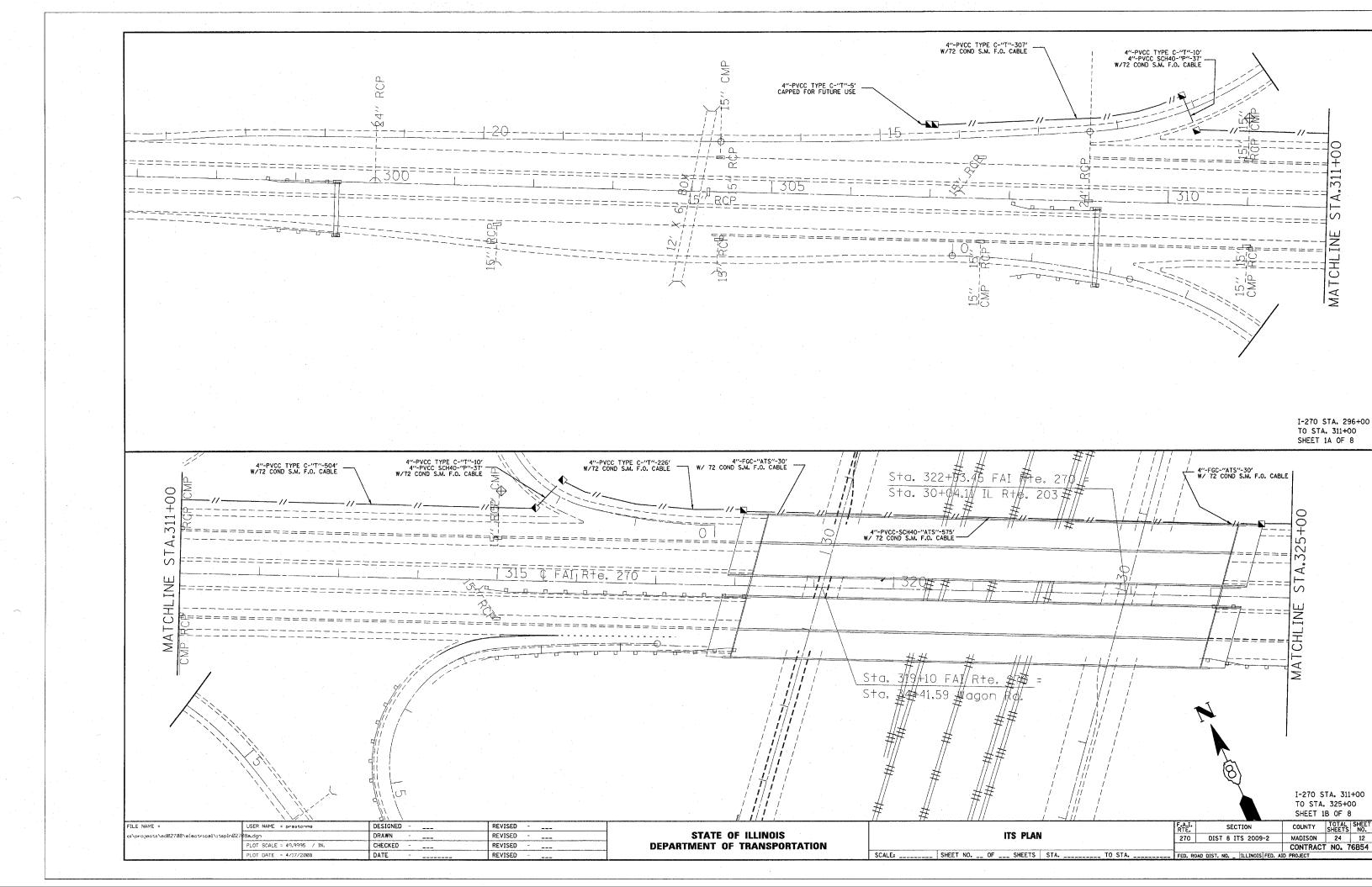


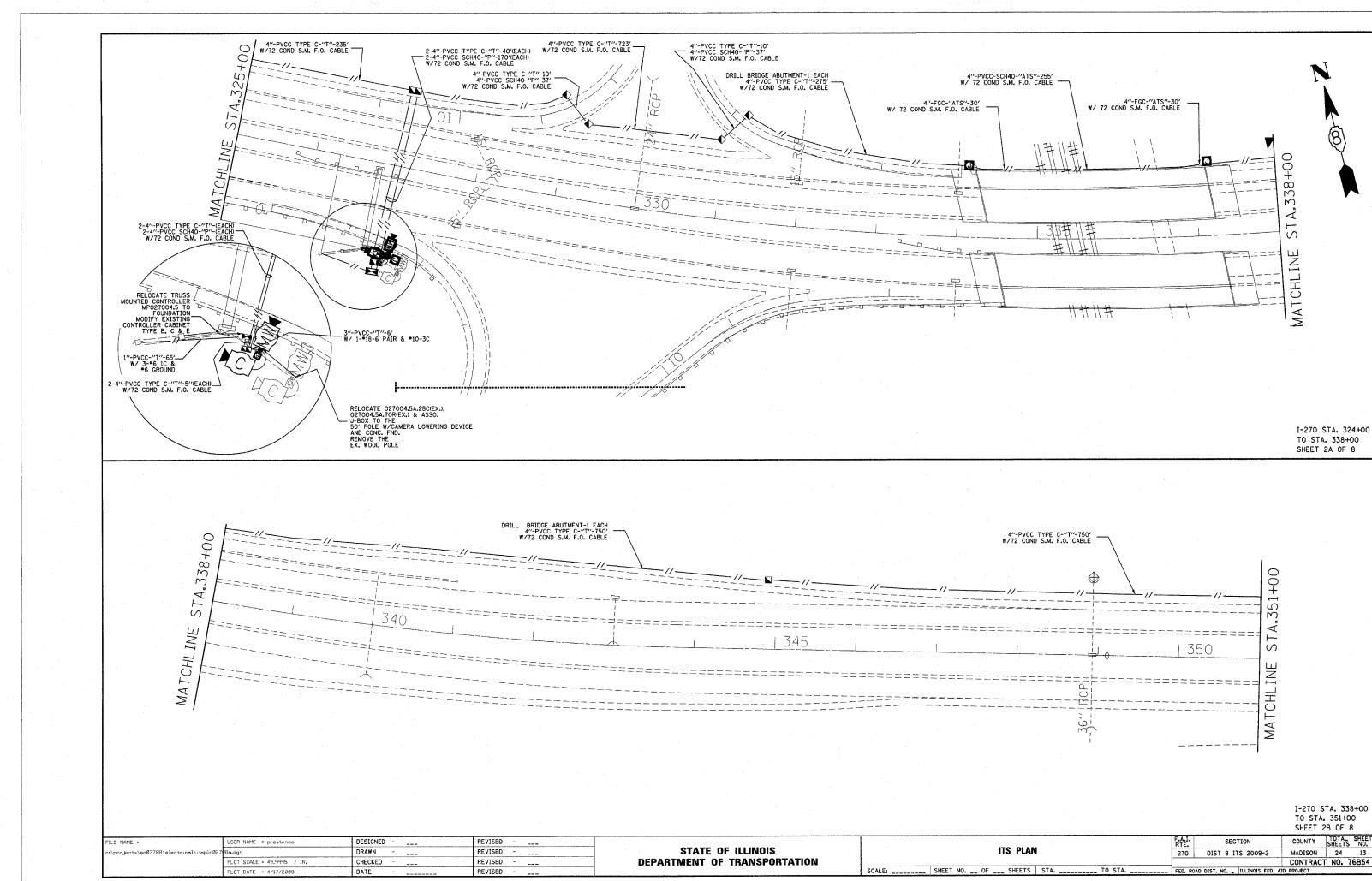
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

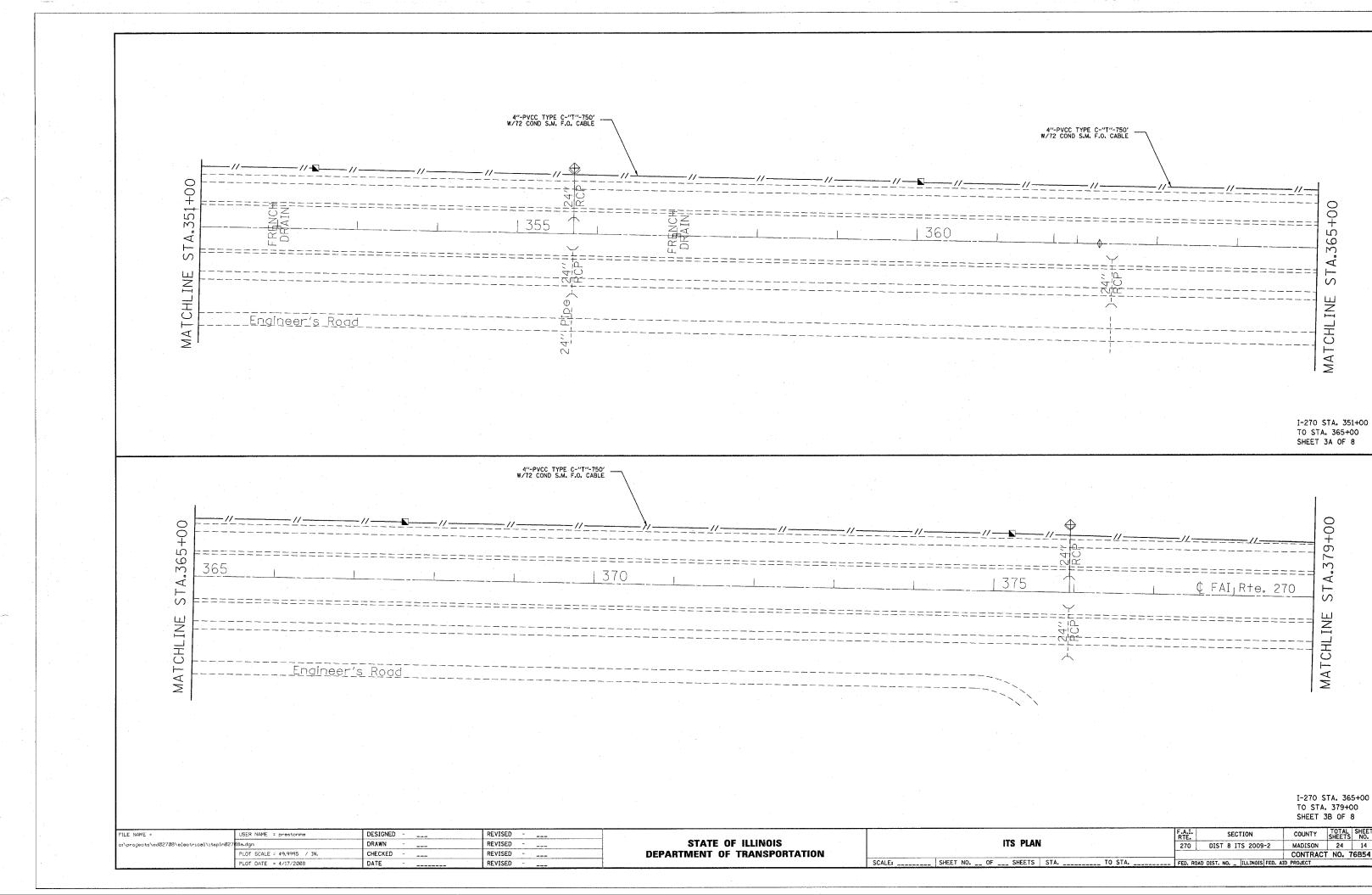
CLDMG2-HYP-050-ST-D

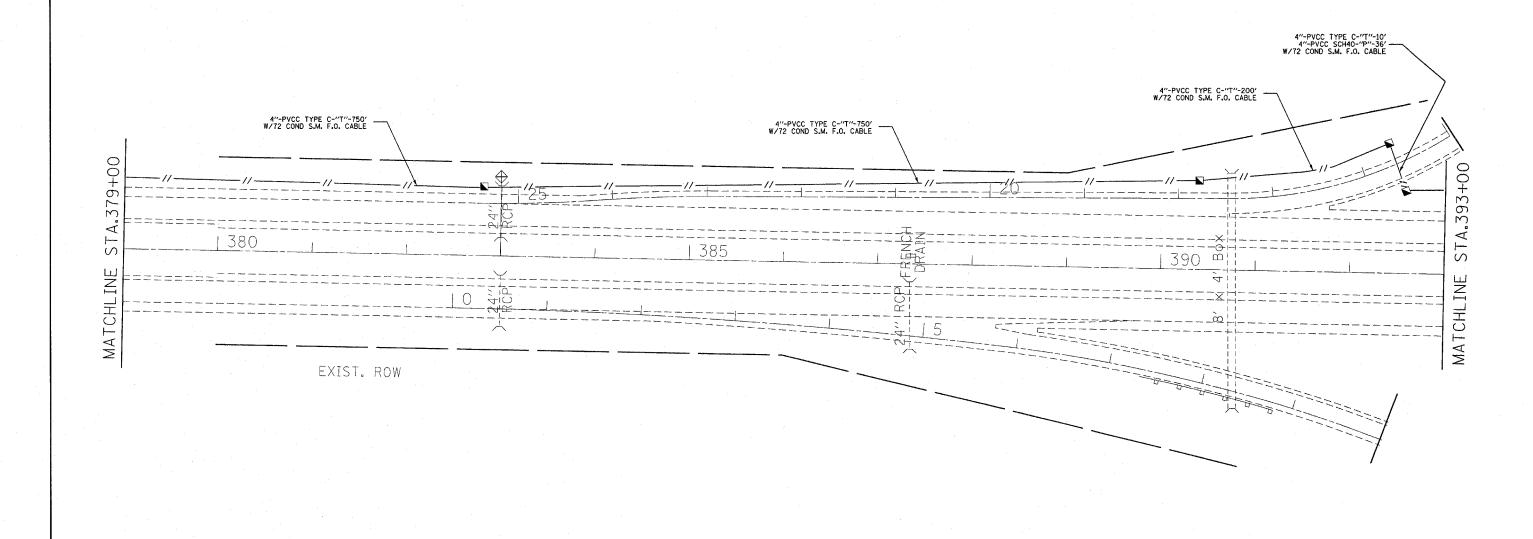
POLE MOUNTED CCTV DETAIL WITH CAMERA LOWERING DEVICE
2 OF 2

SCALE: _____ SHEET NO. _ OF __ SHEETS STA. _____ TO STA. _____



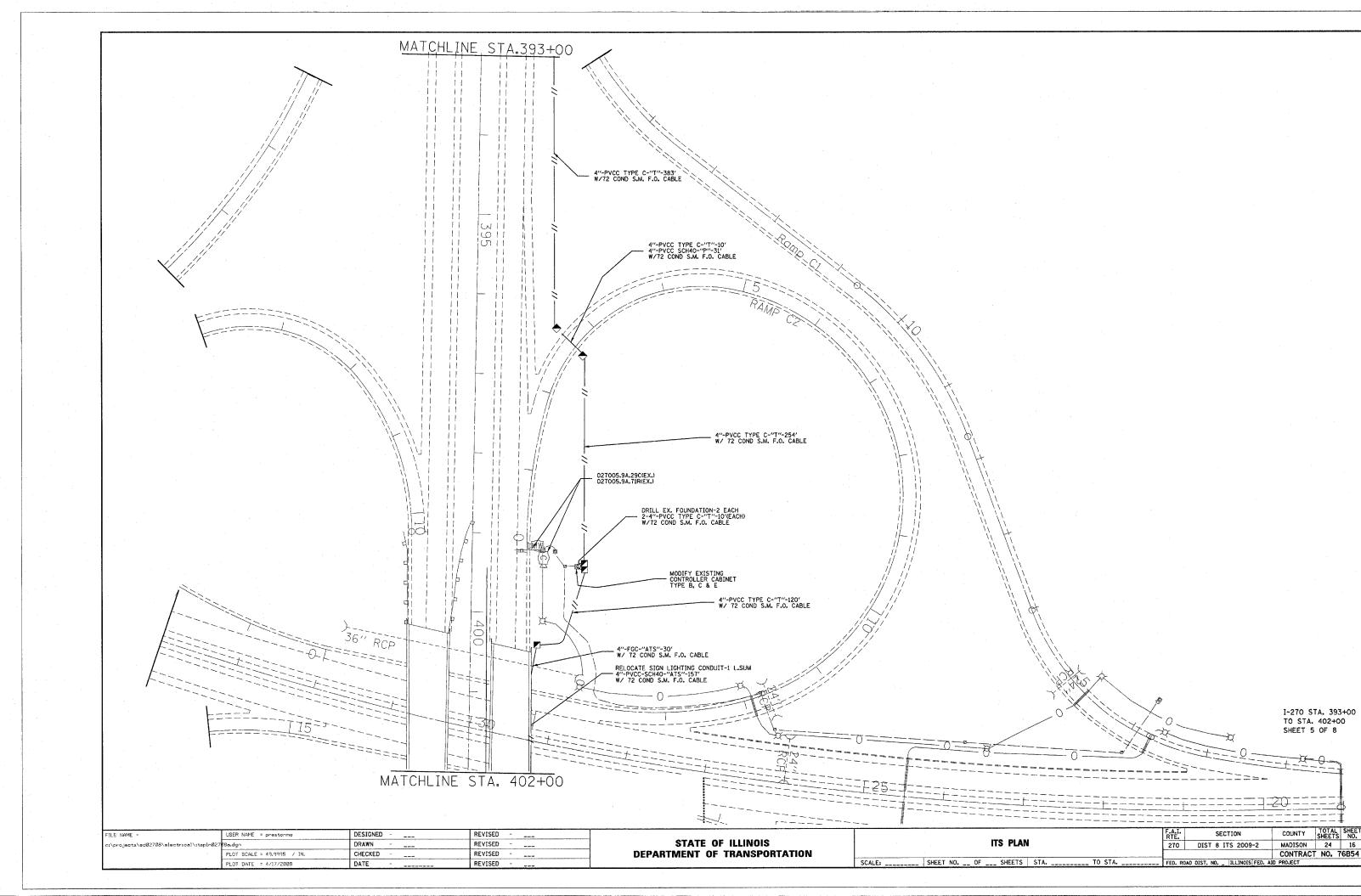


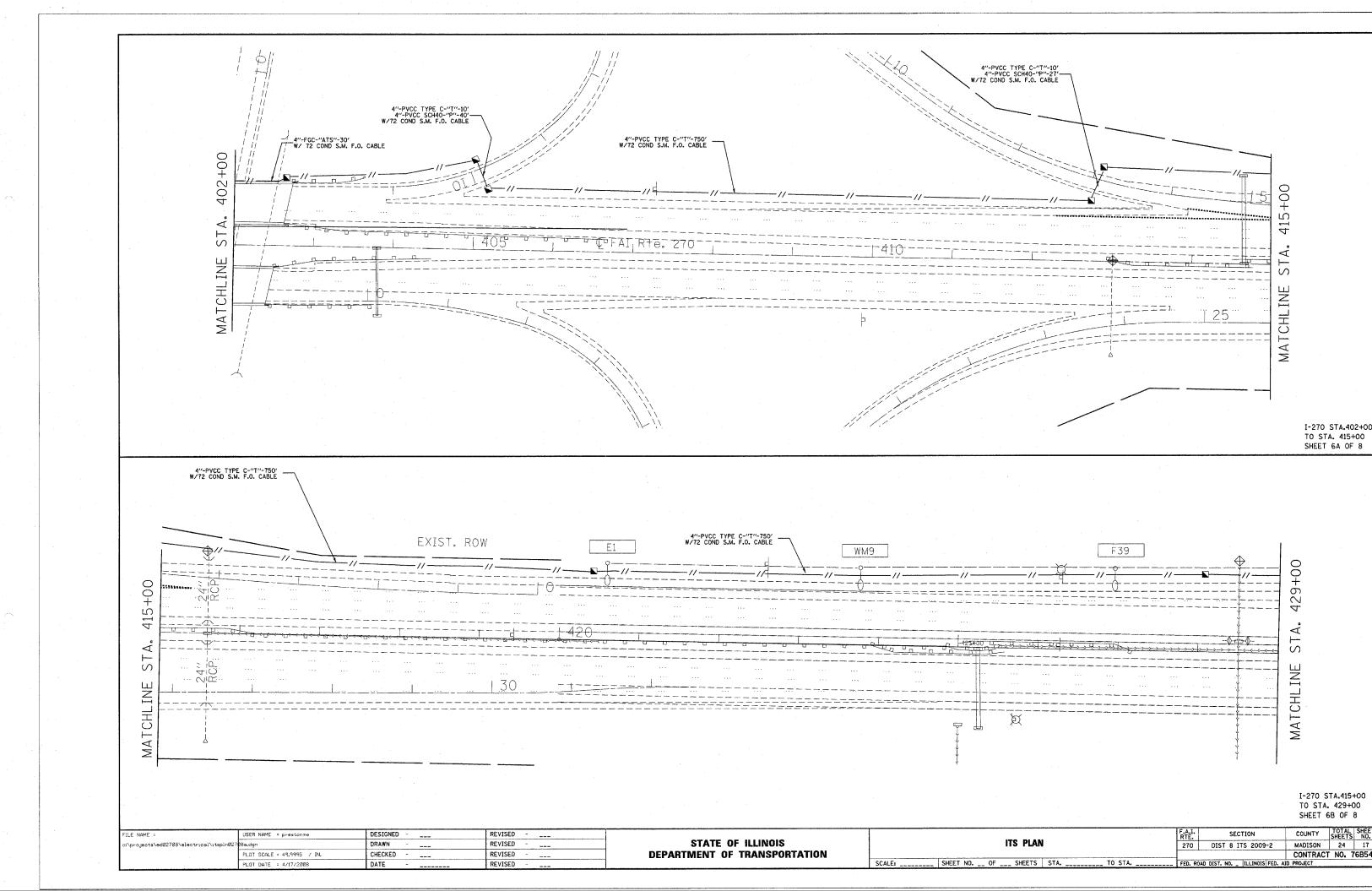


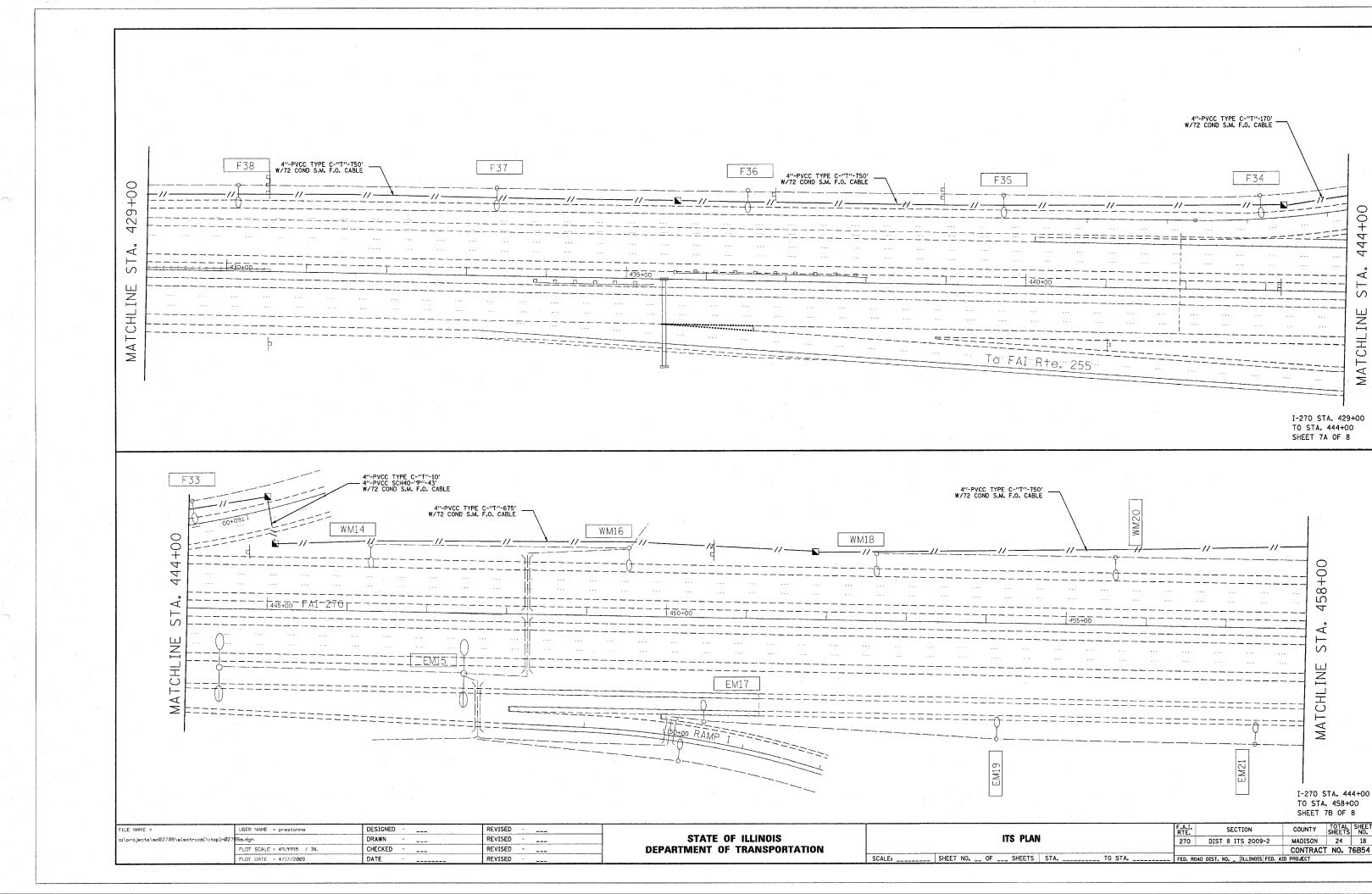


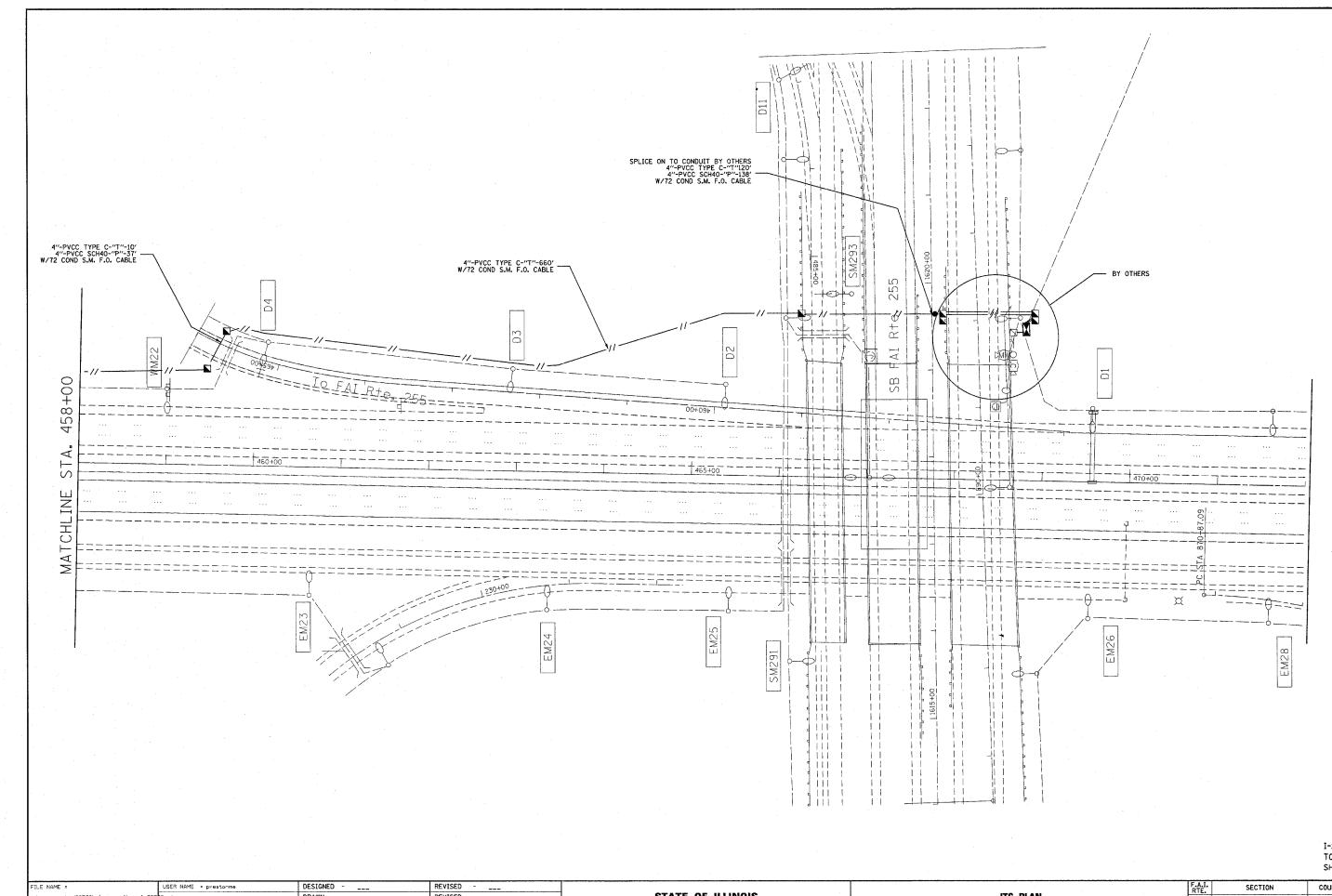
I-270 STA.379+00 TO STA. 393+00 SHEET 4 OF 8

	FILE NAME =	USER NAME = prestonme	DESIGNED	REVISED			RTE. SECTION	COUNTY TOTAL SHEET
	o:\projects\ed02708\electrical\itspln027	illa,dgn	DRAWN	REVISED -	STATE OF ILLINOIS	ITS PLAN	270 DIST 8 ITS 2009-2	MADISON 24 15
		PLOT SCALE = 49.9995 / IN.	CHECKED	REVISED	DEPARTMENT OF TRANSPORTATION			CONTRACT NO. 76854
:		PLOT DATE = 4/17/2008	DATE	REVISED		SCALE: SHEET NO OF SHEETS STA TO STA	FED. ROAD DIST. NO ILLINOIS FED. A	ID PROJECT









I-270 STA.458+00 TO STA. 472+00 SHEET 8 OF 8

Location (Fibers on West Side)

Fiber	Ø270	04.5	Ø270	105.9	Ø255	30.9	
1-2			T		T		
3-4	N			S	T		
5-6	0			S	Т		
7-8		Р		S	T		
9-10	F	Α		S	T		
11-12	I	S		S	Т		
13-14	В	T	T		Т		
15-16	Ε			S	T		
17-18	R	Н		S	T		
19-20		E		S	T		
21-22		R		S	Т		
23-24		E		S	Т		
25-26				S		-8-	
27-28				S		-B-	
29-30				S		-B-	
31-32				S		-B-	
33-34				S		S	S
35-36				S		S	s

Splice with ITS 2009-1 fiber to the south for future homerun to TMC Splice with ITS 2009-1 fiber to the south for future homerun to TMC

Location (Fibers on East Side)

Fiber	0270	714.5	0270	05.9	0255	30.9
1-2		-B-	T	T		
3-4	Ŧ			S	N	
5-6		-B-		S	0	
7-8		-B-		S		Р
9-10		-B-		S	F	Α
11-12		~B~		S	I	S
13-14		-B-	Т		В	Т
15-16	T			S	Ε	
17-18		-B-		S	R	I
19-20		-B-		S		E
21-22		-B-		S		R
23-24		-B-		S		E
25-72		-B-		S		

Total Splices=72
Total Terminations=36

T=Terminate Fiber S=Splice Fiber -UC-=Uncut Fiber Run -B-=Bare (Unused)

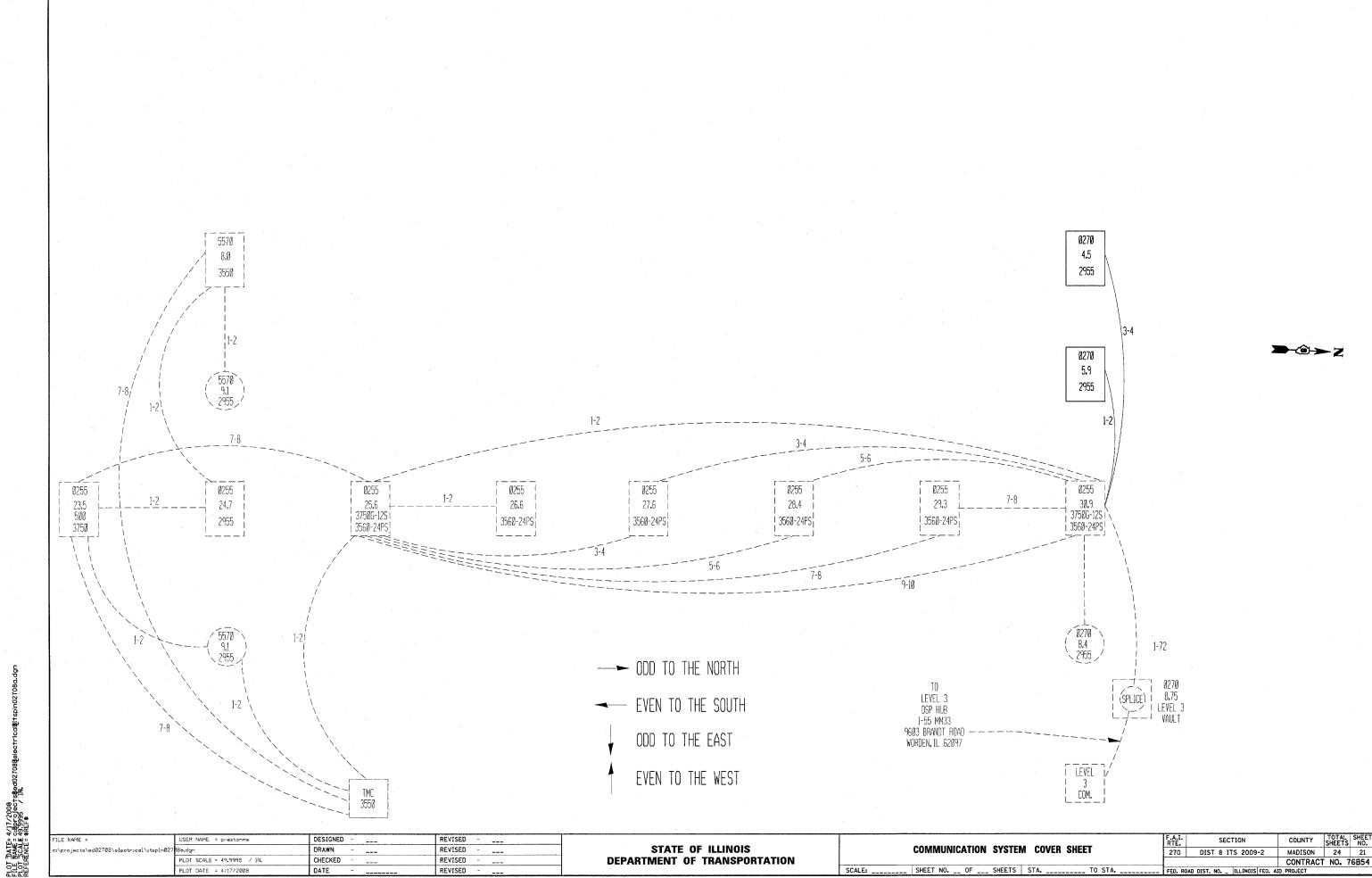
	CISCO SWITCH			SFP / C	BIC MODULES* (IF	APPLICABLE)		SERIAL TO ETHERNET	MEDIA CONVERTER
LOCATION	WS-C2955S-12	WS-C2955S-12	WS-C375ØG-12S-E	SFP-GE-L	SFP-GE-Z	GLC-FE-1ØØLX	GLC-T	CONVERTER	CONVERTER
MPØ25530.9 (EX)				2		2			
MPØ27ØØ5.9	1							1	
MPØ27ØØ4.5	1							1	
TMC			1	2	1				
TOTA	LS: 2		1	4	1	2		2	

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

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

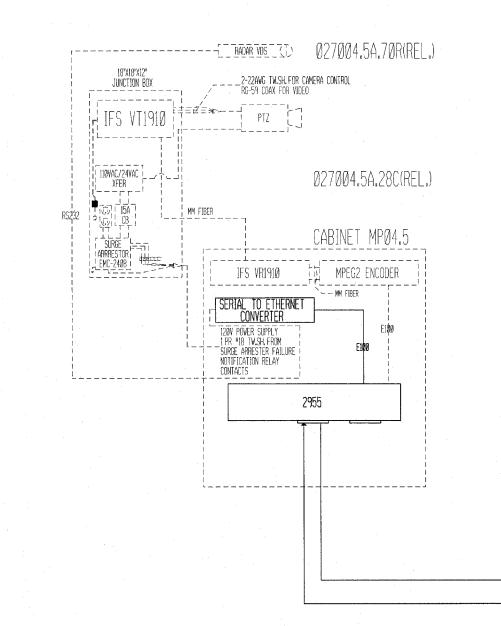
PLOT DATE: 4/11/2008 FILE BME: caporojects&ed02708&electrical@itspin02708a.c PLOT SCALE 492995 / IN REFERENCE: sAREF&

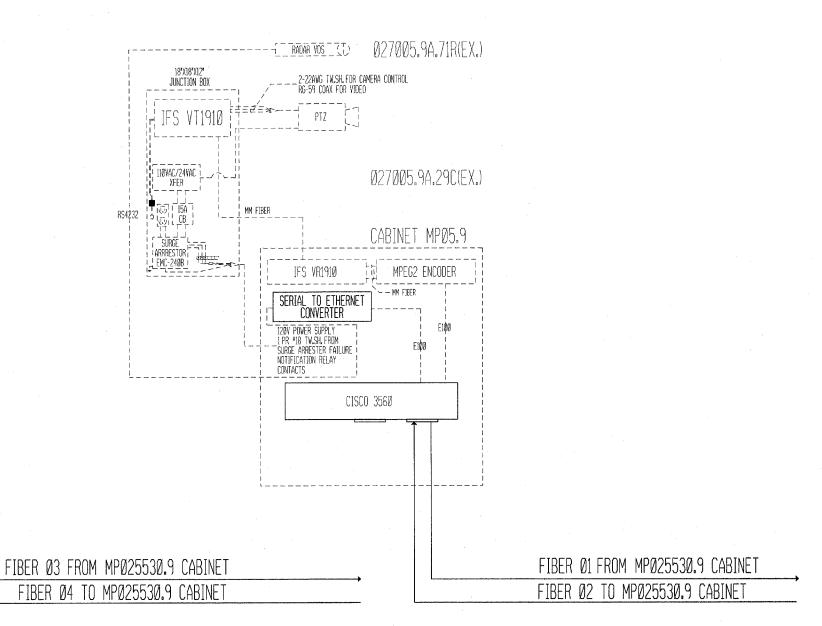


SHEET NO. __ OF ___ SHEETS | STA. __

PLOT DATE = 4/17/2008

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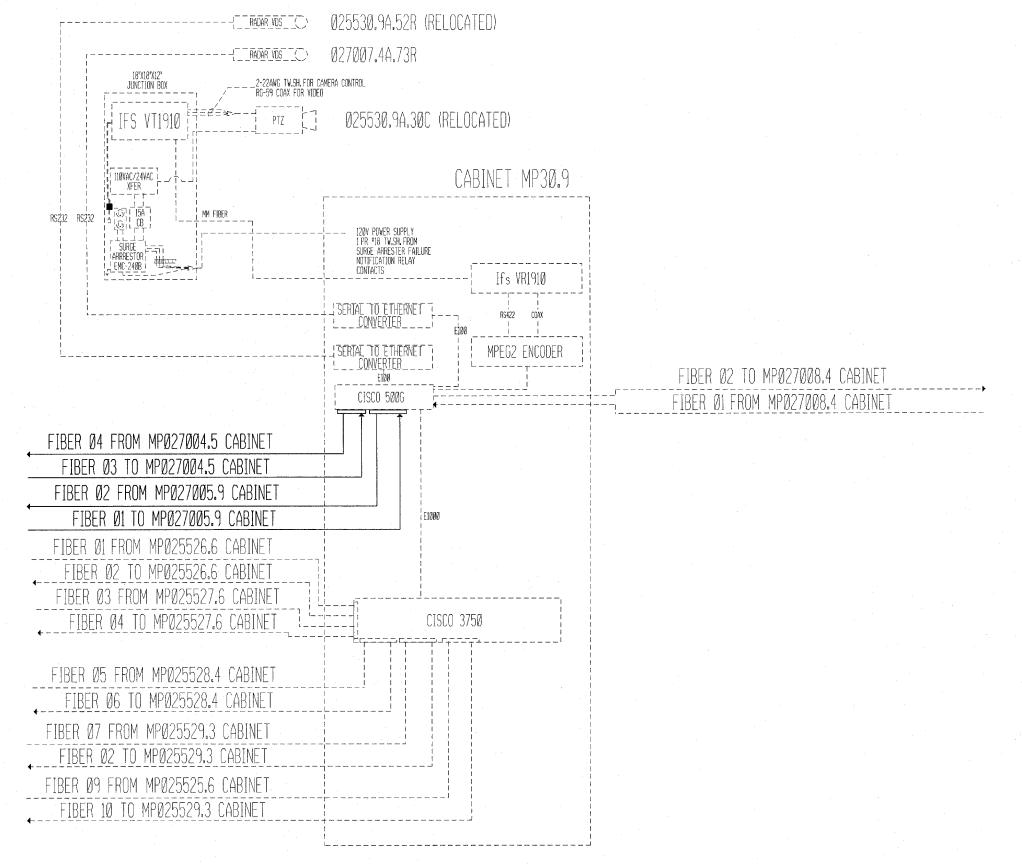


- ODD TO THE EAST
- EVEN TO THE WEST

SHEET 1 OF 2

PLOT JATE 4/17/2008 FILE RAME c.gaprojects@ed02708@electricd@itspinO2 PLOT SCALE 49;3995 / IN. REFERENCE = \$REF\$

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c:\projects\ed02708\electrical\itspln027	Ba.dgn	DRAWN	REVISED	STATE OF ILLINOIS	MP027004.5 CABINET TO MP027005.9 CABINET	270	DIST 8 ITS 2009-2	MADISON	24	22
	PLOT SCALE = 49,9995 / IN	CHECKED	REVISED	DEPARTMENT OF TRANSPORTATION	MIPUZ/UU4.3 CABINET TO MIPUZ/UU3.5 CABINET			CONTRA	CT NO. 76	B54
	PLOT DATE = 4/17/2008	DATE	REVISED		SCALE; SHEET NO OF SHEETS STA TO STA	FED. R	OAD DIST. NO ILLINOIS FEE	D. AID PROJECT		

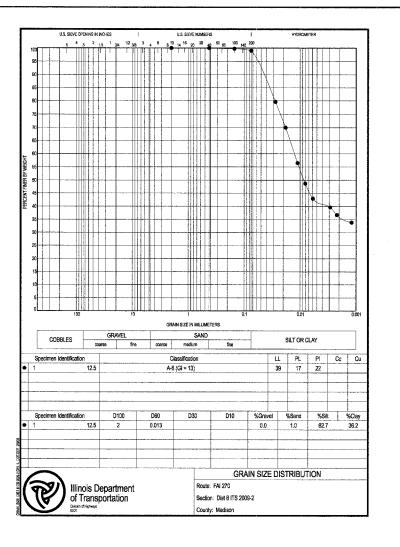


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SHEET 2 OF 2

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	PLOT SCALE = 49.9995 / IN.	CHECKED	REVISED	DEPARTMENT OF TRANSPORTATION	MIFUZ/UU3.5 CADINET TO MIFUZ3330.5 CADINET		CONTRACT NO. 76B54
	PLOT DATE = 4/17/2008	DATE	REVISED	•	SCALE: SHEET NO OF SHEETS STA TO STA	FED. ROAD DIST. NO ILLINOIS FED. A	AID PROJECT

Illinois Depart of Transportat	ion			S	OIL BORING LOG	
Division of Highways Himsis Department of Transpor ROUTE FAI 270 DESCRIPTIO			ITS	Devi	ce on I-270 at IL 203 LOGGED BY E. Ste	
SECTION Dist 8 ITS 2009-2 L						
					ow Stem Auger HAMMER TYPE 140# Autom	nati
STRUCT. NO.	D E P T H	B L O W S	U C S Qu (tsf)	M O I S T (%)	Surface Water Elev.	Ī
ASPHALT	_					t
Light Medium Gray LOAM with Speckles of Red Sand		3 4 4	0.41 B/20	24		
Light Gray Hard CLAY	5	3 3 5	1.30 B/20	25		
		2 8 8	2.49 B/20	27		
Light Gray Silty LOAM with Sand	-10	7 8 5	1,79 B/15	24		
Medium Herd Silty CLAY A-6(13)		6 7 9	2.44 B/20	26		
See Classification @ 12.5 ft	-15	6	3.01	23		
END OF BORING		14	B/20			
	-20					



FILE NAME = COUNTY SHEETS NO.

MADISON 24 24

CONTRACT NO. 76B54 DESIGNED REVISED SECTION ---DRAWN REVISED STATE OF ILLINOIS SOIL BORING LOGS 270 DIST 8 ITS 2009-2 PLOT SCALE = 50.0000 / [N. CHECKED REVISED DEPARTMENT OF TRANSPORTATION PLOT DATE = 3/18/2008 DATE SCALE: _____ SHEET NO. __ OF ___ SHEETS STA. ____ TO STA. __ REVISED FED. ROAD DIST. NO. _ ILLINOIS FED. AID PROJECT