

066

04-24-2020 LETTING ITEM 066

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

F.A.I. NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D7 ITS 2020	VARIOUS	52	1
		ILLINOIS	CONTRACT NO 74897	

D-97-014-19



FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED HIGHWAY PLANS

VARIOUS ROUTES
SECTION D7 ITS 2020

NEW FIBEROPTIC COMMUNICATING
DMS AND CCTV CAMERAS
VARIOUS COUNTIES

C-97-026-19

CLARK COUNTY LOCATION MAP
F.A.I. 70 ON SHEET NO. 8

COLES COUNTY LOCATION MAP
F.A.I. 57 ON SHEET NO. 9

EFFINGHAM COUNTY LOCATION MAP
F.A.I. 57/70 ON SHEET NO. 10

FAYETTE COUNTY LOCATION MAP
F.A.I. VARIOUS ON SHEET NO. 11

MACON COUNTY LOCATION MAP
F.A.I. VARIOUS ON SHEET NO. 12

PIATT COUNTY LOCATION MAP
F.A.I. 72 ON SHEET NO. 13



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 EXCAVATORS
1-800-892-0123
DR 811

PROJECT ENGINEER MATT WEIDNER
PROJECT MANAGER MATT WEIDNER

CONTRACT NO. 74897

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED FEBRUARY 11 20 20
Jeffrey P. M...
REGIONAL ENGINEER

March 20 20
[Signature]
ENGINEER OF DESIGN AND ENVIRONMENT

March 20 20
[Signature]
DIRECTOR OF HIGHWAY PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

GENERAL NOTES

1. PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING PLANS ARE SUBJECT TO ROUTINE VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF THE WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY FURNISHED BASED UPON THE UNIT BID PRICE FOR THE WORK.
2. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE "JULIE" NUMBER IS 1-800-892-0123. A MINIMUM OF FORTY-EIGHT (48) HOURS ADVANCE NOTICE IS REQUIRED.
3. EXISTING UTILITY LOCATION INFORMATION IS NOT SHOWN ON THE PLAN SHEETS. THE LOCATION OF ALL UTILITIES AND PRIVATELY OWNED FACILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR PRIOR TO THE INSTALLATION OF ANY COMPONENTS. THE CONTRACTOR SHALL VERIFY EXISTING FIELD CONDITIONS AND TERRAIN PRIOR TO COMMENCING WORK ON THE PROJECT.
4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING IDOT ELECTRICAL FACILITIES AT HIS/HER OWN EXPENSE IF REQUIRED. THE CONTRACTOR SHALL ALSO BE LIABLE FOR ANY DAMAGE TO IDOT FACILITIES RESULTING FROM INACCURATE LOCATING.
5. ELECTRICAL WORK SHALL CONFORM WITH NATIONAL, STATE, AND LOCAL CODES.
6. ELECTRICAL CABLE WILL BE MEASURED FOR PAYMENT IN ACCORDANCE WITH ARTICLE 873.04.
7. THE COMMUNICATION VAULT SHALL BE CONSTRUCTED SO THAT THE TOP OF THE FRAME WILL BE FLUSH WITH THE SURFACE OF THE MEDIAN, SIDEWALK, OR GROUND LINE. COMMUNICATION VAULTS SHALL BE INSTALLED AT 1800 FT INTERVALS, OR AS SPECIFIED BY THE ENGINEER.
8. POTHOLES TO LOCATE EXISTING UNDERGROUND UTILITIES SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR THE UNDERGROUND CONDUIT PAY ITEMS.
9. REMOVAL AND REPLACEMENT OF EXISTING SIDEWALK, PAVEMENT, AND ISLANDS DAMAGED DUE TO CONTRACTOR OPERATIONS WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE CONTRACT BID PRICE FOR THE UNDERGROUND CONDUIT PAY ITEMS.
10. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT AT GREATER THAN 3 FT. MINIMUM DEPTH TO AVOID OBSTACLES SUCH AS UNDERGROUND UTILITIES.
11. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR PLACING CONDUIT CASING FOR UNDERGROUND UTILITIES.
12. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THIS COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT PRICES FOR THE CONDUITS.
13. REINFORCEMENT BARS SHALL CONFORM TO THE REQUIREMENTS OF ASTM A 706 GR 60. SEE SPECIAL PROVISIONS.
14. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.
15. THE LOCATIONS FOR CAMERA POLES, LIGHT POLES AND METAL FOUNDATIONS ARE PROVIDED FOR REFERENCE ONLY. THE ENGINEER OF TRAFFIC SHALL BE NOTIFIED FOR LOCATION VERIFICATION BEFORE INSTALLATION.
16. SPLICING INTO EXISTING FIBER SHALL BE DONE BY DOIT AND PAID FOR SEPERATELY IN ACCORDANCE WITH ARTICLE 109.05.

17. THE CONTRACTOR SHALL INSTALL A #12 (XLP-TYPE USE) TRACER WIRE ALONG WITH THE FIBER OPTIC CABLE FOR LOCATING PURPOSES. THE TRACER WIRE SHALL BE CONTINUOUS AND BE ACCESSIBLE FROM THE HANDHOLES. THE COST OF FURNISHING AND INSTALLING THE TRACER WIRE SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE FIBER OPTIC CABLE IN CONDUIT PAY ITEM.
18. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS REQUIRED TO ATTACH THE CONDUITS AND JUNCTION BOXES TO THE STRUCTURE, INCLUDING, BUT NOT LIMITED TO UNI-STRUT, BRACKETS, SEAL-TITE, LBS, FITTINGS, HARDWARE, AND OTHER MISCELLANEOUS ITEMS. THESE ITEMS WILL NOT BE PAID FOR SEPERATELY, BUT SHALL BE INCLUDED IN THE BID PRICE FOR THE CONDUIT ATTACHED TO STRUCTURE PAY ITEM.
19. CONDUIT ATTACHMENT BRACKETS SHALL BE INSTALLED AT 8 FT. SPACINGS (MAXIMUM) ON STRUCTURES.
20. ALL CONDUIT ATTACHMENT BRACKETS SHALL BE FULLY GALVANIZED AND ALL HARDWARE SHALL BE EITHER GALVANIZED OR STAINLESS STEEL.
21. THE CONTRACTOR SHALL FURNISH AND INSTALL EXPANSION/DEFLECTION COUPLINGS (OR OTHER EQUIPMENT AND METHODS AS APPROVED BY THE ENGINEER) FOR ALL BRIDGE JOINTS AS REQUIRED AND DIRECTED BY THE ENGINEER.
22. ALL SEAL-TITE CONDUIT SHALL BE NON-METALLIC AND SHALL INCLUDE CONNECTORS WITH INTERGRAL STAINLESS STEEL KELLUM GRIPS AT THE ENDS FOR INCREASED STRENGTH AND DURABILITY.
23. THE CONTRACTOR SHALL GROUND ALL EXPOSED STEEL CONDUITS IN ACCORDANCE WITH NEC REQUIREMENTS. THE CONTRACTOR SHALL MAINTAIN THE CONTINUITY OF THE GROUND SYSTEM WHEN USING NON-METALLIC BY INSTALLING A #6 GROUNDING CONDUCTOR INSIDE THE SEAL-TITE AND BONDING THIS WIRE TO THE GALVANIZED STEEL CONDUITS AT EACH END. THE COST OF THIS WORK SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE GALVANIZED STEEL CONDUIT PAY ITEMS.
24. THE CONTRACTOR SHALL INSTALL THREAD LOCKER ON ALL ATTACHED CONDUIT THREADED CONNECTIONS TO PREVENT LOOSENING THROUGH VIBRATION.
25. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING EXISTING FIELD TILE AND UNDERDRAIN LOCATIONS. THE CONTRACTOR SHALL MAKE AN EFFORT TO MINIMIZE DAMAGE TO THESE FACILITIES DURING THE INSTALLATION OF CONDUIT AND COMMUNICATION VAULTS. IN THE EVENT THAT THESE FACILITIES ARE DAMAGED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAKING REPAIRS TO THESE ITEMS TO RESTORE FUNCTIONALITY TO THE SATISFACTION OF THE ENGINEER. THE COST OF THIS WORK SHALL BE INCLUDED IN THE BID PRICE FOR UNDERGROUND CONDUIT.
26. THE CONTRACTOR, AT HIS OPTION AND WITH THE APPROVAL OF THE DEPARTMENT, MAY ELECT TO DIRECTIONALLY BORE CONDUIT UNDER A STRUCTURE.
27. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY MOWING, BRUSH AND SHRUB REMOVAL, AND SHALL DISPOSE OF ALL REMOVED ITEMS OFF OF THE JOB SITE. THE COST OF THIS WORK SHALL BE INCLUDED IN THE BID PRICES FOR THE CONDUIT PAY ITEMS.
28. THE CONTRACTOR SHALL PLAN AND CONDUCT CONDUIT AND FIBER INSTALLATION OPERATIONS TO MINIMIZE THE NUMBER OF INTERSTATE AND ROAD LANE CLOSURES AND TO MINIMIZE TRAFFIC DISRUPTIONS AND DELAYS FOR THE MOTORING PUBLIC.
29. IF HANDHOLES ARE PLACED IN SIDEWALK THEY SHALL BE FLUSH, WITHOUT A VERTICAL DISCONTINUITY OF GREATER THAN A 1/4" OR LONGITUDINAL GAP GREATER THAN 1/2" AND SHALL NOT BE INSTALLED MONOLITHICALLY WITH THE SIDEWALK.
30. INSTALL FIBER OPTIC SLACK AS SHOWN IN TABLE A.
31. INSTALL ELECTRIC CABLE SLACK AS SHOWN IN TABLE B.
32. DoIT DOES NOT WANT ANYONE DRILLING INTO THIS COMMUNICATIONS VAULTS. THEIR SUGGESTION IS TO STUB UP THE CONDUIT AND CABLE WITH TWO (2) FEET OF THEIR VAULT AND LET DoIT'S CONTRACTOR BRING IT INSIDE THEIR VAULT AND PREFORM THE APPROPRIATE SPLICE WORK. THEY TYPICALLY BRING THE CABLE IN FROM UNDERNEATH THEIR VAULT RATHER THAN DRILLING A HOLE IN THE SIDE.
33. DoIT LIDS MAY BE LABELED "CMS"

COMMITMENTS

1. ALL EXCAVATED MATERIAL SHALL REMAIN ON SITE OR BE DISPOSED OF AS DIRECTED BY THE ENGINEER ACCORDING TO ARTICAL 202.03.
2. THE CONTRACTOR SHALL CONFINE HIS OPERATIONS TO THE AREA LOCATED INSIDE THE PERMANENT EASEMENT AND RIGHT OF WAY LIMITS SHOWN IN THE PLANS.

TABLE A	
FIBER OPTIC SLACK	
CCTV CABINET	6 FT
TYPE B EQUIPMENT CABINET	10 FT
JUNCTION BOX	10 FT
COMMUNICATION VAULTS	60 FT
COMMUNICATION VAULTS LOCATED NEXT TO EXISTING CMS VAULTS	150 FT

TABLE B	
ELECTRIC CABLE SLACK	
JUNCTION BOX	3.0 FT
HANDHOLE	6.5 FT
COMMUNICATIONS VAULT	13.0 FT

VARIOUS COUNTIES

ILLINOIS DEPARTMENT OF TRANSPORTATION			TOTAL QUANTITIES	0021	0021	0021	0021	0021	0021
SUMMARY OF QUANTITIES				100% STATE	100% STATE	100% STATE	100% STATE	100% STATE	100% STATE
				ITS FUNDS	ITS FUNDS	ITS FUNDS	ITS FUNDS	ITS FUNDS	ITS FUNDS
CODE NO	ITEM	UNIT		CLARK	COLES	EFFINGHAM	FAYETTE	MACON	PIATT
63000001	STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POSTS	FOOT	1150					575	575
63100045	TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	6					3	3
63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	6					3	3
67100100	MOBILIZATION	L SUM	1					1	
72501000	TERMINAL MARKER - DIRECT APPLIED	EACH	6					3	3
73300300	OVERHEAD SIGN STRUCTURE - SPAN, TYPE III-A (5' -0" X 7' -0")	FOOT	168					84	84
73301810	OVERHEAD SIGN STRUCTURE WALKWAY, TYPE A	FOOT	102					51	51
73400200	DRILLED SHAFT CONCRETE FOUNDATIONS	CU YD	58.2					36.7	21.5
78200005	GUARDRAIL REFLECTORS, TYPE A	EACH	24					12	12
80400100	ELECTRIC SERVICE INSTALLATION	EACH	2					1	1
81028320	UNDERGROUND CONDUIT, PVC, 1" DIA.	FOOT	515	345				170	
81028350	UNDERGROUND CONDUIT, PVC, 2" DIA.	FOOT	26865	9325	925	5360	855	7945	1670

REV. - MS

MODEL: Default
FILE NAME: P:\uplanroom.dat\illinois.gov\PIWDOT\Documents\DOT_Offices\District_7\Projects\74897\CAD\Drawings\74897-sht-500.dgn

USER NAME = steffenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/14/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D7 ITS 2020	VARIOUS	52	4
			CONTRACT NO. 74897	
ILLINOIS				

VARIOUS COUNTIES

ILLINOIS DEPARTMENT OF TRANSPORTATION				TOTAL QUANTITIES	0021	0021	0021	0021	0021	0021
SUMMARY OF QUANTITIES					100% STATE	100% STATE	100% STATE	100% STATE	100% STATE	100% STATE
					ITS FUNDS	ITS FUNDS	ITS FUNDS	ITS FUNDS	ITS FUNDS	ITS FUNDS
CODE NO	ITEM	UNIT			CLARK	COLES	EFFINGHAM	FAYETTE	MACON	PIATT
81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	90					45	45	
81100600	CONDUIT ATTACHED TO STRUCTURE, 2" DIA., GALVANIZED STEEL	FOOT	15	5				10		
81300550	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12" X 12" X 6"	EACH	2					2		
81300948	JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 24" X 24" X 10"	EACH	1	1						
81603040	UNIT DUCT, 600V, 2-1C NO. 6, 1/C NO. 8 GROUND, (XLP-TYPE USE), 1" DIA. POLYETHYLENE	FOOT	1816					1816		
81702130	ELECTRIC CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6	FOOT	32738	403	3025	9166	2392	16553	1199	
83060840	LIGHT POLE, GALVANIZED STEEL, 50 FT. M.H., TENON MOUNT	EACH	3				2	1		
83600358	LIGHT POLE FOUNDATION, METAL, 15" BOLT CIRCLE, 8 5/8" X 8'	EACH	3				2	1		
87301795	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 3 1C	FOOT	7038					3439	3599	
87900100	DRILL EXISTING FOUNDATION	EACH	2	2						

MODEL: Default
 FILE NAME: P:\pub\p1anroom.dwg
 PLOT SCALE = 100.0000' / in.
 PLOT DATE = 2/14/2020

USER NAME = steffenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
	CHECKED -	REVISED -
	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D7 ITS 2020	VARIOUS	52	5
			CONTRACT NO. 74897	
ILLINOIS				

ILLINOIS DEPARTMENT OF TRANSPORTATION				TOTAL QUANTITIES	0021	0021	0021	0021	0021	0021
SUMMARY OF QUANTITIES					100% STATE ITS FUNDS	100% STATE ITS FUNDS	100% STATE ITS FUNDS	100% STATE ITS FUNDS	100% STATE ITS FUNDS	100% STATE ITS FUNDS
					CLARK	COLES	EFFINGHAM	FAYETTE	MACON	PIATT
CODE NO	ITEM	UNIT								
87900200	DRILL EXISTING HANDHOLE	EACH	9		1	2	2	4		
X0323920	POLE MOUNTED EQUIPMENT CABINET, TYPE B	EACH	2					1	1	
X0323923	SUPPORT EQUIPMENT AND MAINTENANCE	L SUM	1	1						
X0324597	CLOSED CIRCUIT TELEVISION CABINET	EACH	12	1	1	2	2	6		
X0324603	CIRCUIT BREAKER, 1-POLE, 20 AMP, 120V IN EXISTING TSC CABINET	EACH	12	1	1	2	2	6		
X0325077	FIBER OPTIC UTILITY MARKER	EACH	43	9	1	8	5	18	2	
X0325485	TRUSS MOUNTED LED DYNAMIC MESSAGE SIGN	EACH	2					1	1	
X0326812	CAT 5 ETHERNET CABLE	FOOT	1261	489	40	95	80	517	40	
X0326905	CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED	EACH	15	2	1	2	2	7	1	
X0327206	DATA SERVER	L SUM	1	1						
X0327735	CAMERA POLE, 20 FT	EACH	6		1			4	1	
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1					1		
X8710029	FIBER OPTIC CABLE 24 FIBERS, SINGLE MODE	FOOT	28792	10458	901	5379	1079	8932	2043	

REV. - MS

MODEL: C:\p1\planroom.dwg
FILE NAME: \\p1\planroom.dwg
PROJECT: 74897\CADD\Drawings\DOT - Office\District 7\Projects\74897\CADD\Drawings\DOT - Office\District 7\Projects\74897-sht-500.dgn

USER NAME = steffenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/14/2020	DATE -	REVISED -

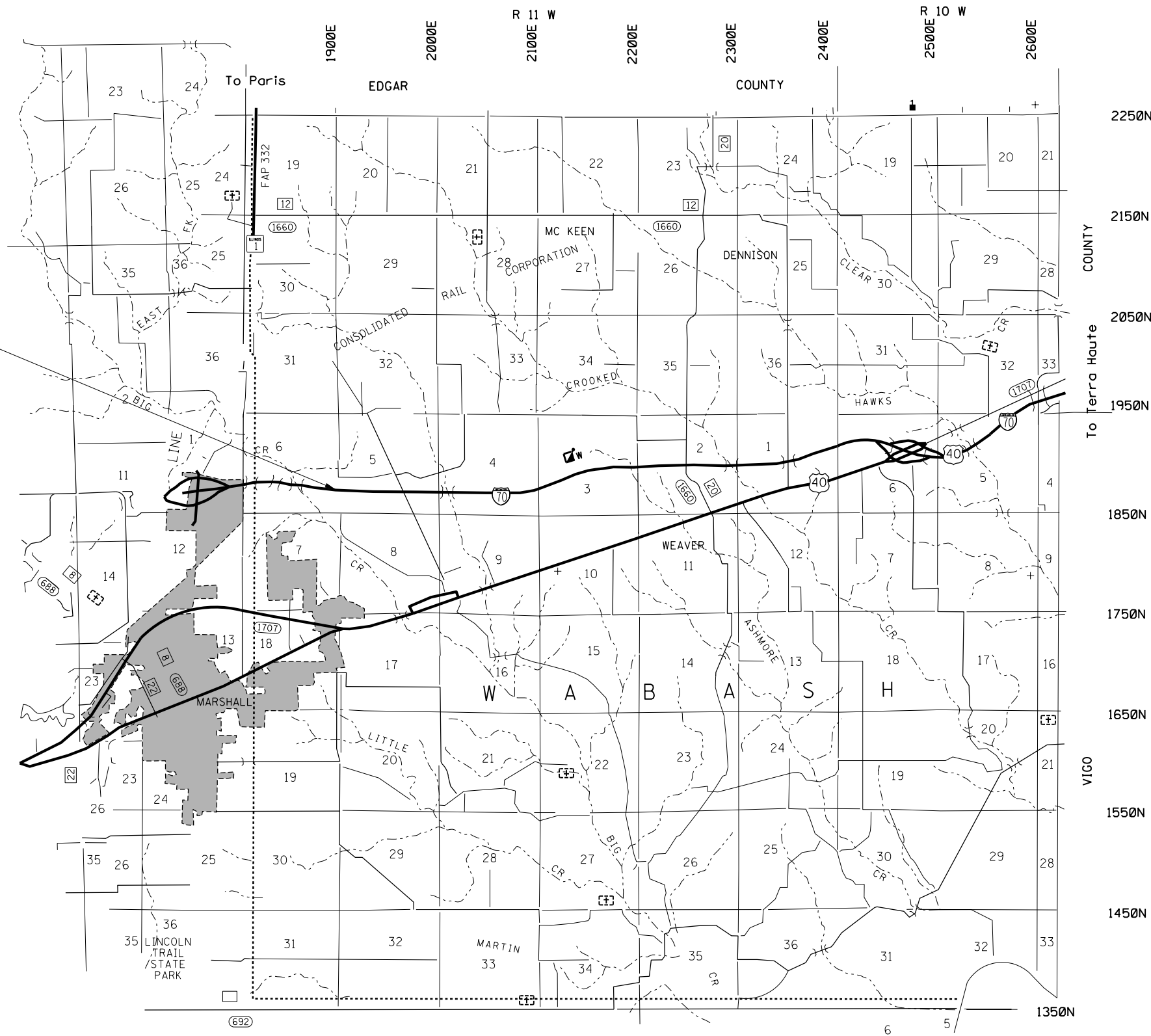
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES

SCALE: SHEET OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D7 ITS 2020	VARIOUS	52	6
			CONTRACT NO. 74897	
ILLINOIS				

LOCATION 1
 I-70 (WB)
 REST AREA
 CLARK COUNTY
 LATITUDE: 39.4226°N
 LONGITUDE: -87.6618°W



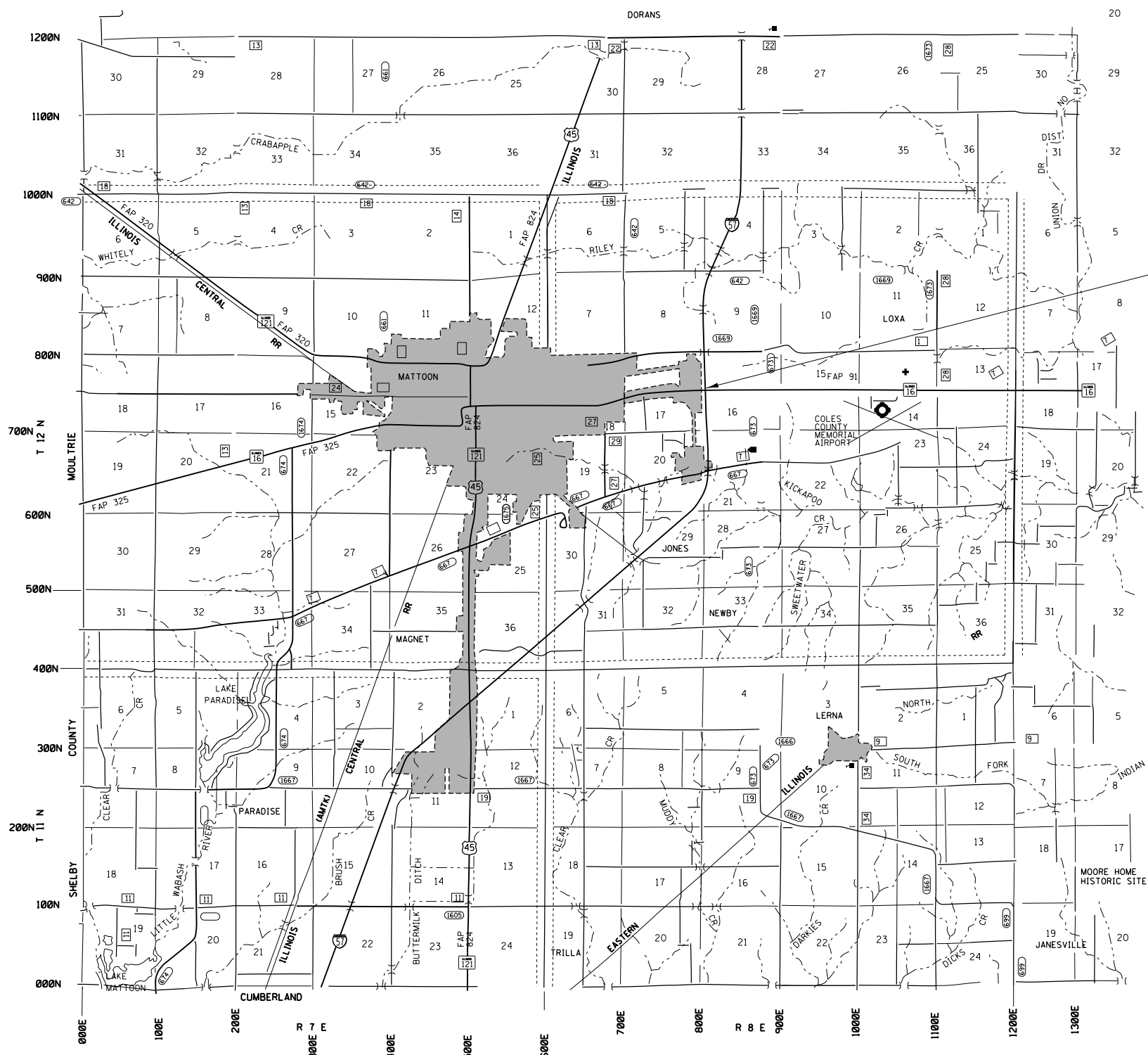
LOCATION F.A.I. 70 (I-70)
CLARK COUNTY

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -
p:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 7\Projects\74897\DRAWN\CADsheets\0774897-sht-loc.dgn		REVISOR -	REVISOR -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISOR -
	PLOT DATE = 2/14/2020	DATE -	REVISOR -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT LOCATION MAP			
CLARK COUNTY			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	07 ITS 2020	VARIOUS	52	8
			CONTRACT NO. 74897	
ILLINOIS				

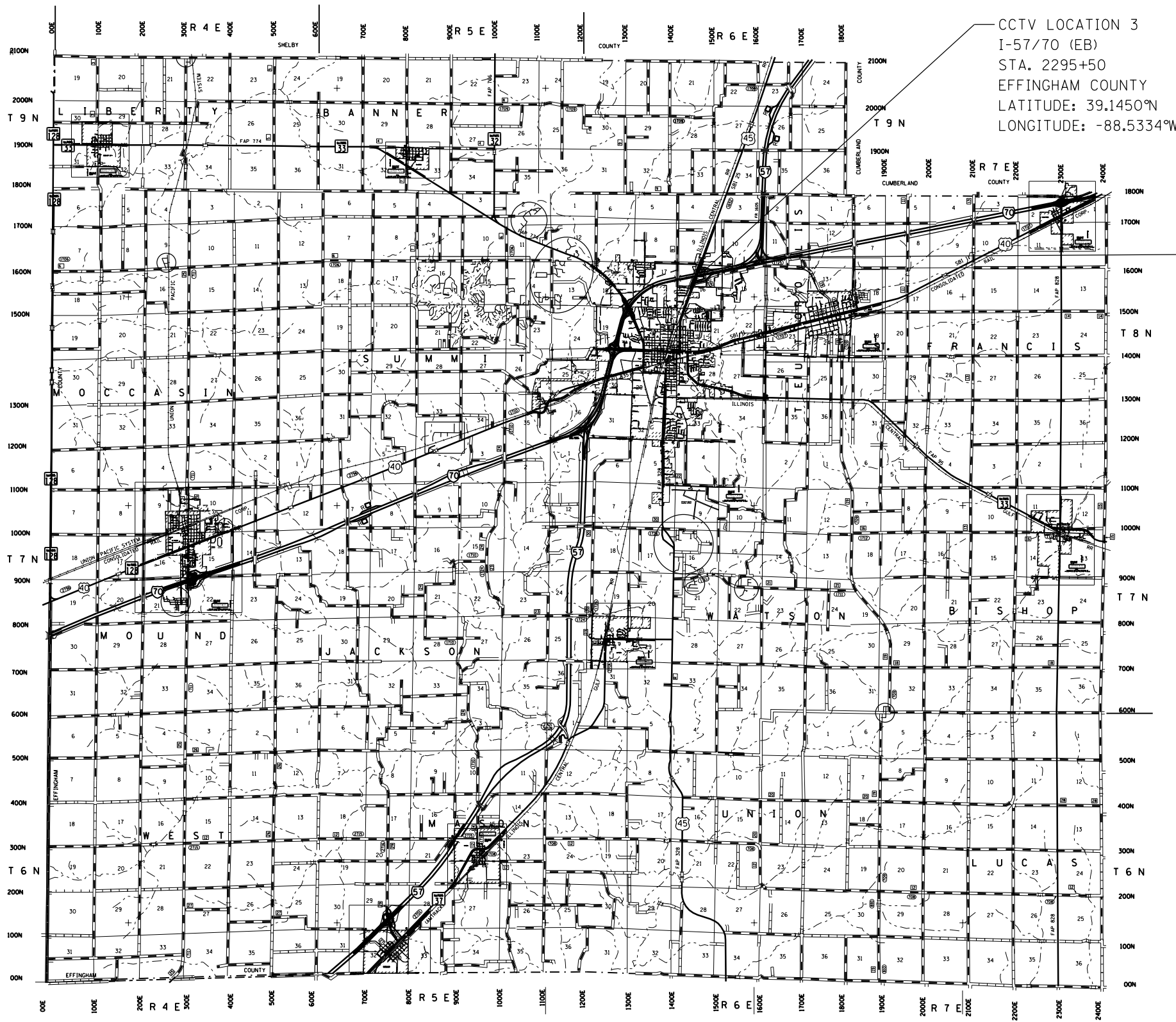


LOCATION 2
 I-57 (NB)
 STA. 790+00
 COLES COUNTY
 LATITUDE: 39.4851°N
 LONGITUDE: -88.3215°W



LOCATION F.A.I. 57 (I-57)
COLES COUNTY

FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROJECT LOCATION MAP COLES COUNTY				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 7\Projects\74897\DRAWING\CADsheets\0774897-sht-loc.dgn		REVISIONS	REVISIONS						VAR	07 ITS 2020	VARIOUS	52	9
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		SCALE: SHEET OF SHEETS STA. TO STA.				CONTRACT NO. 74897				
	PLOT DATE = 2/14/2020	DATE -	REVISED -		ILLINOIS								



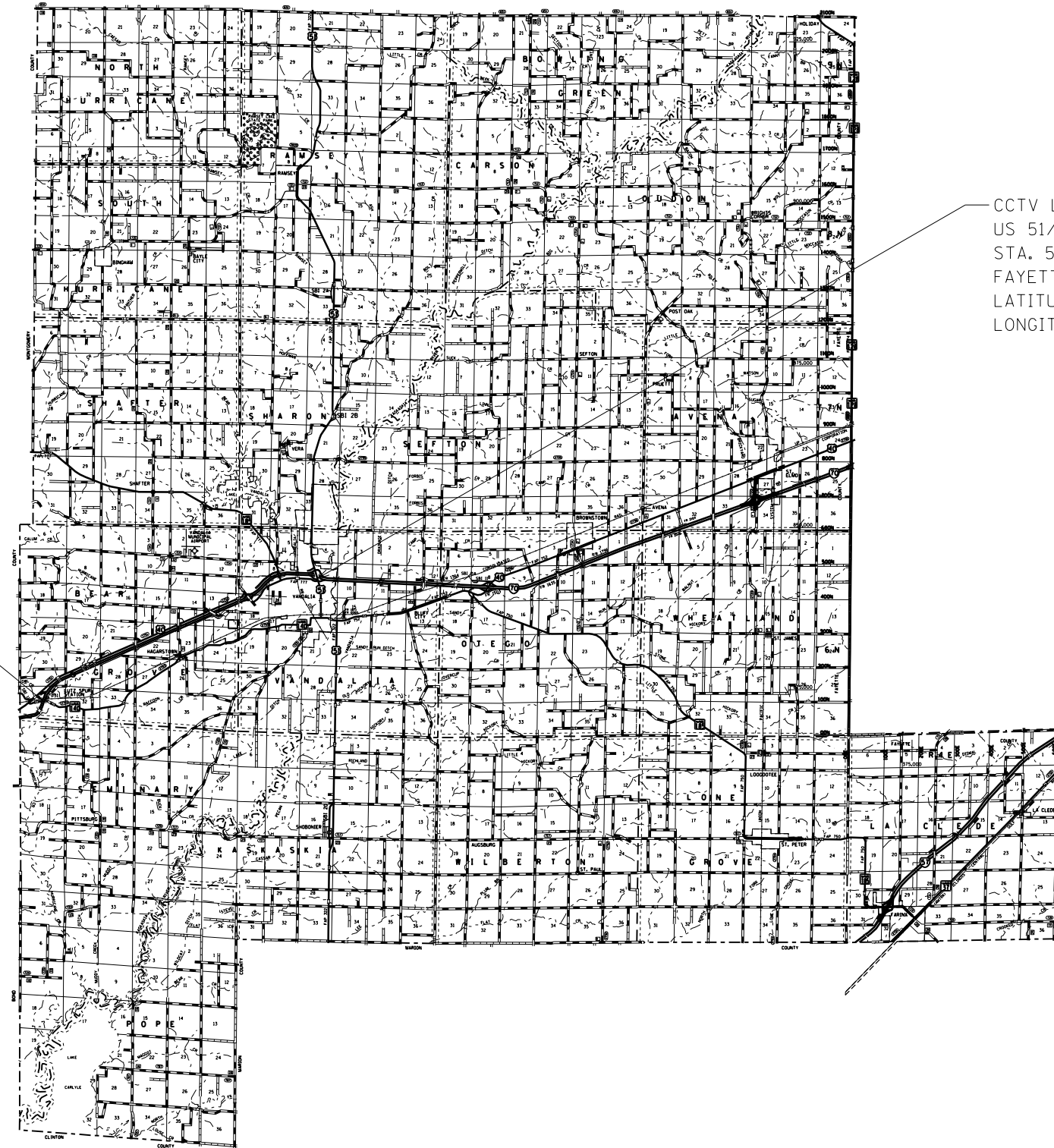
LOCATION F.A.I. 57/70 (I-57/I-70)
EFFINGHAM COUNTY

FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISED -
pw:\planroom.dot.illinois.gov\PWIDOT\Documents\IDOT Offices\District 7\Projects\74897\DRAWN\CADsheets\0774897-sht-loc.dgn		REVISOR -	REVISED -
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = 2/14/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROJECT LOCATION MAP			
EFFINGHAM COUNTY			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	07 ITS 2020	VARIOUS	52	10
			CONTRACT NO. 74897	
ILLINOIS				



CCTV LOCATION #5
 I-70 (EB)
 STA. 1547+50
 FAYETTE COUNTY
 LATITUDE: 38.9231°N
 LONGITUDE: 89.2458°W

CCTV LOCATION #6
 US 51/I-70 (SB)
 STA. 52+50
 FAYETTE COUNTY
 LATITUDE: 38.9816°N
 LONGITUDE: 89.0979°W

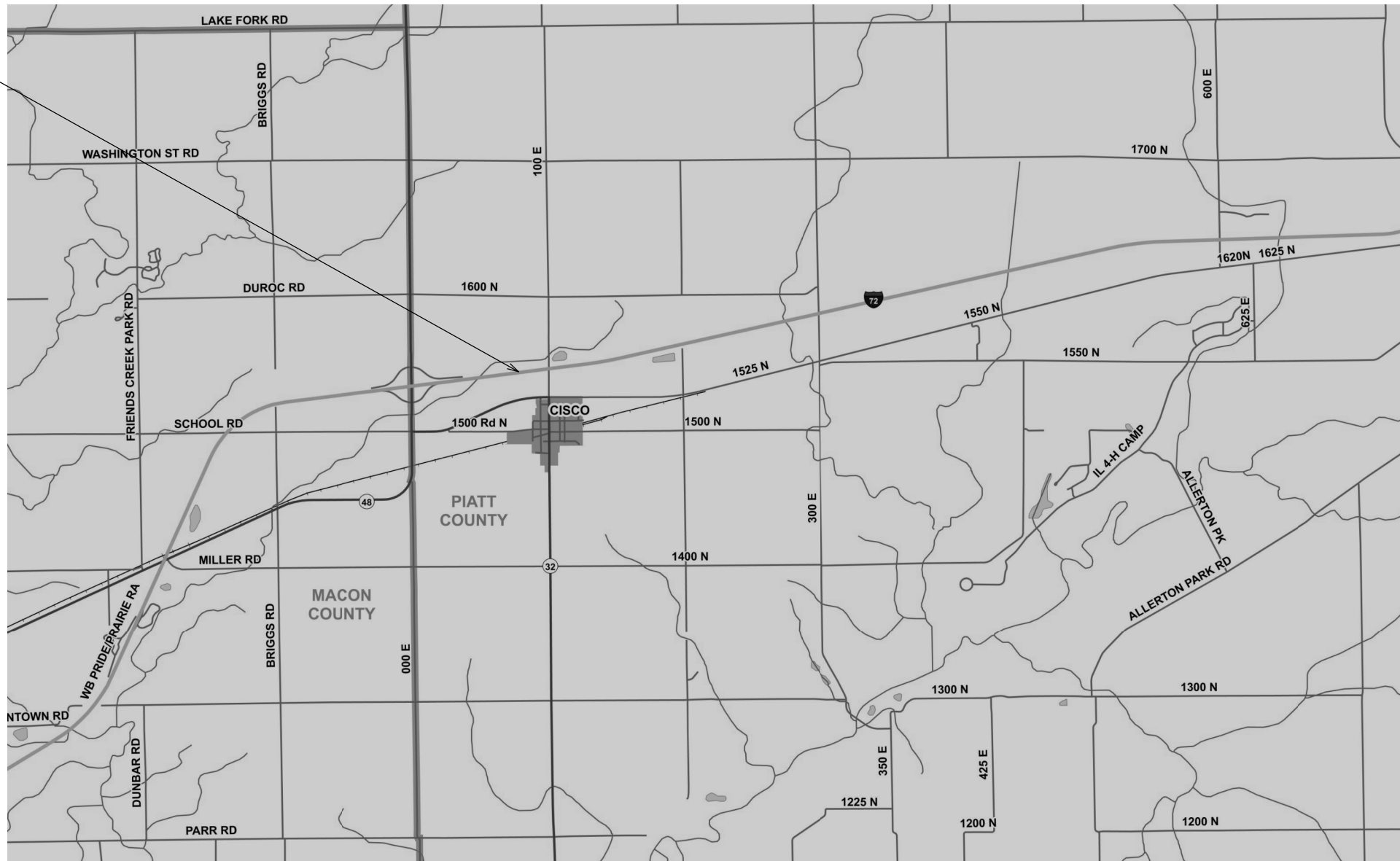


*LOCATION F.A.I. 70 (I-70)
 FAYETTE COUNTY*

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROJECT LOCATION MAP FAYETTE COUNTY				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 7\Projects\74897\DRAWN\CADsheets\0774897-sht-loc.dgn		CHECKED -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	VAR	07 ITS 2020	VARIOUS	52	11
Default		PLOT SCALE = 100.0000' / in.	REVISED -		CONTRACT NO. 74897											
		PLOT DATE = 2/14/2020	REVISED -		ILLINOIS											

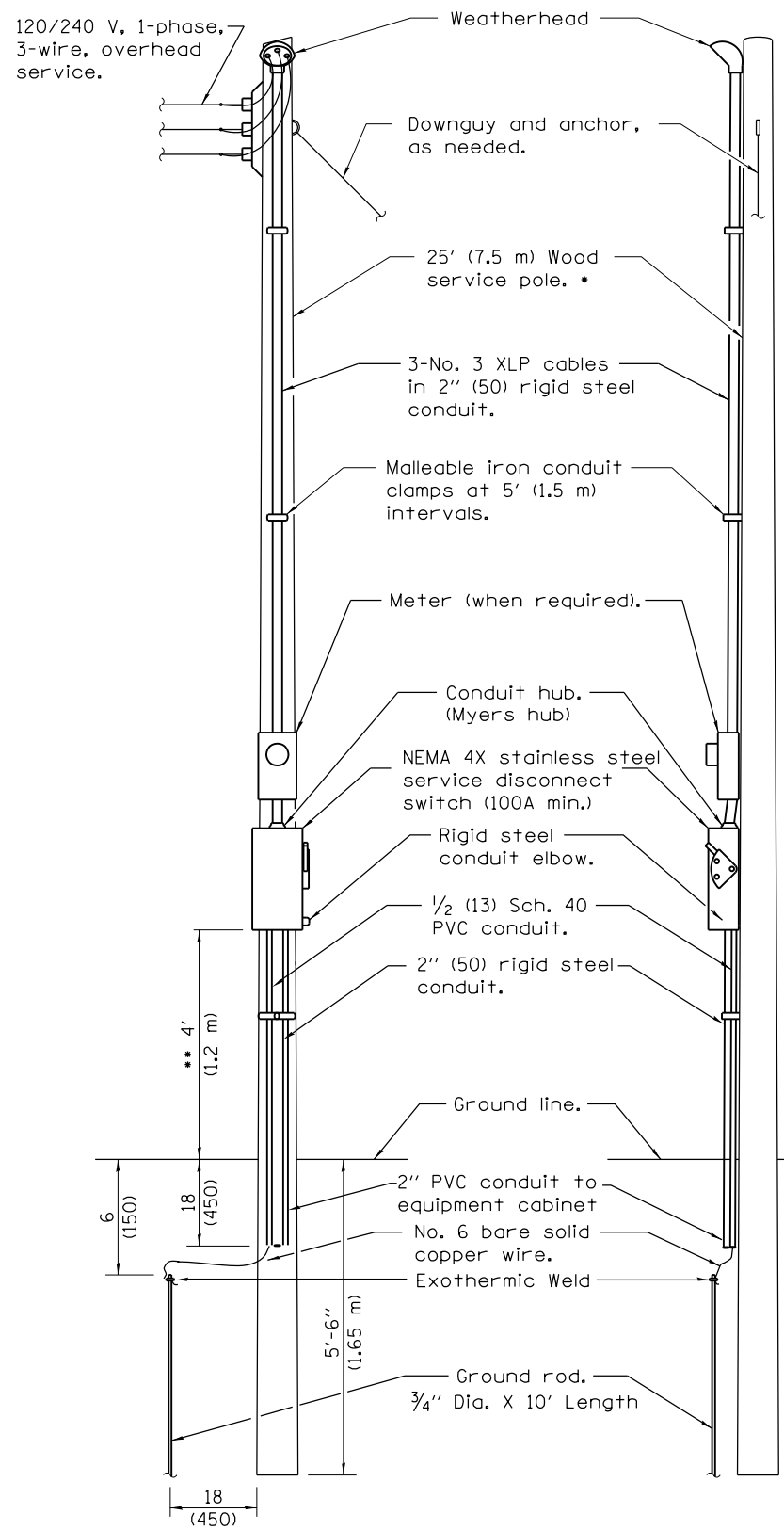


DMS LOCATION 14
 I-72 (WB)
 STA. 999+24
 SN 7S0741072L157.2
 PIATT COUNTY
 UTILITY PROVIDER:
 AMEREN
 LATITUDE: 40.0185°N
 LONGITUDE: 88.7213°W



LOCATION F.A.I. 72 (I-72)
PIATT COUNTY

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROJECT LOCATION MAP PIATT COUNTY				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
pw:\planroom.dot.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 7\Projects\74897\DRAWN\CADsheets\0774897-sht-loc.dgn		DRAWN	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO STA.	VAR	07 ITS 2020	VARIOUS	52	13
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -		CONTRACT NO. 74897										
	PLOT DATE = 2/14/2020	DATE -	REVISED -		ILLINOIS										



* NOTE
 THE CONTRACTOR SHALL INSTALL FUSES IN THE SERVICE DISCONNECT THAT ARE RATED FOR THE WIRE SIZE IN ACCORDANCE WITH NEC REQUIREMENTS 100 AMP FUSES FOR #3 CABLE

The Contractor shall install fuses in the service disconnect that are rated for the wire size in accordance with NEC requirements (60A fuses for #6 cable).

All rigid conduit, clamps, and hardware shall be galvanized

All rigid conduit shall extend a minimum of one foot below ground

FRONT SIDE

ELECTRIC SERVICE INSTALLATION

- * Size larger as needed.
- ** Or as directed by Utility Company.

MODEL: Default
 FILE: Model: P:\pub\harcam.dwg
 I:\projects\74897\CAAD\Drawings\DOT_Offices\Drawings\74897-51c-cabinet.dwg

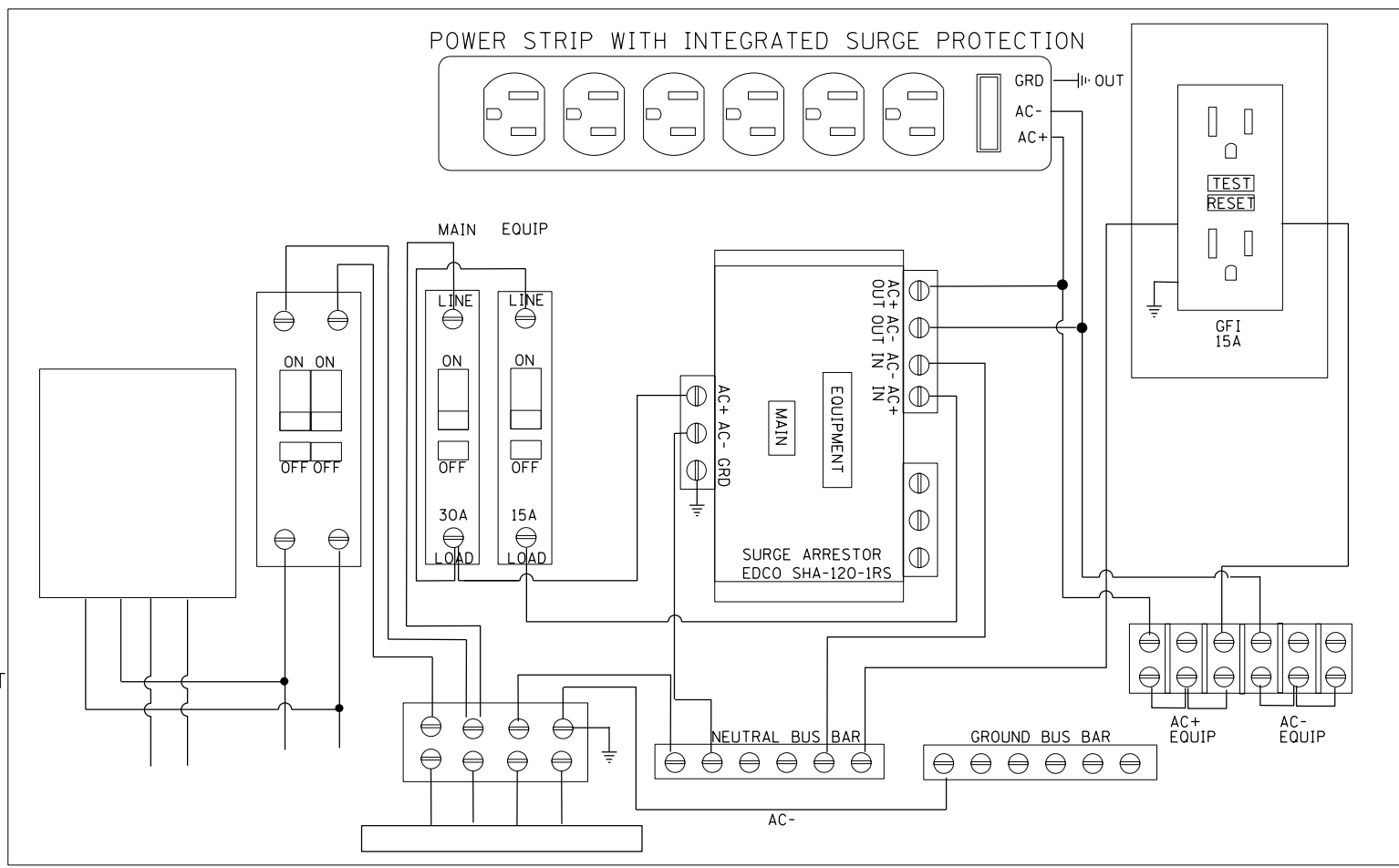
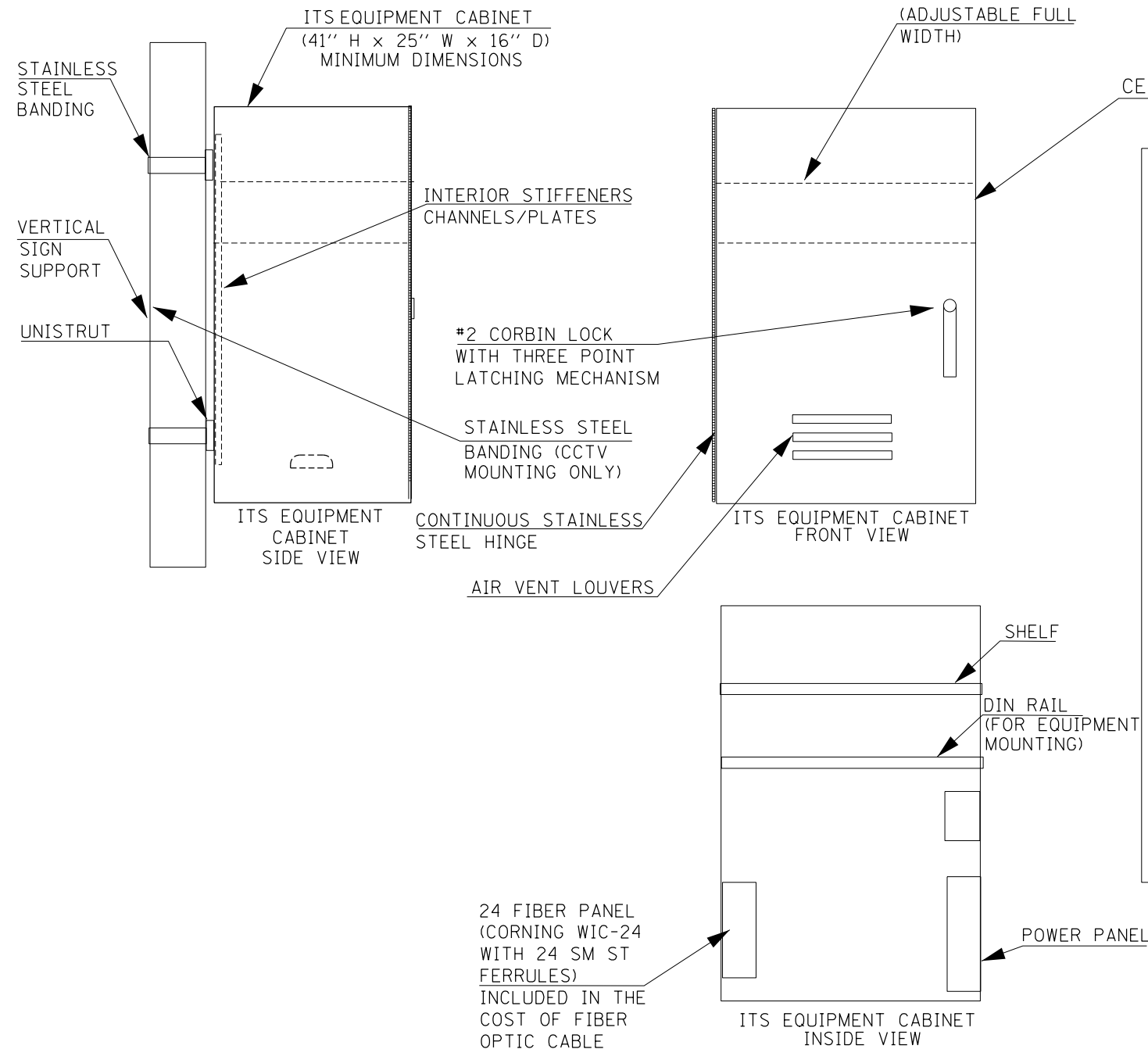
USER NAME = steffenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/14/2020	DATE -	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

ELECTRIC SERVICE INSTALLATION DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D7 ITS 2020	VARIOUS	52	14
			CONTRACT NO. 74897	
ILLINOIS				



ITS EQUIPMENT CABINET POWER PANEL DETAIL
(POWER PANEL TO BE EQUIPPED WITH PLEXI-GLASS SAFETY SHIELD)

NOTES

- THE ITS EQUIPMENT CABINET SHALL BE A NEMA TYPE 3R CABINET WITH MINIMUM OUTSIDE DIMENSIONS OF 41" (H) X 25" (W) X 16" (D). THE CABINET SHALL BE CONSTRUCTED FROM .125" THICK ALUMINUM AND HAVE A NATURAL FINISH.
- THE CABINET SHALL BE FURNISHED WITH ONE ADJUSTABLE HEIGHT SHELF, THREE POSITION DOOR STOP (90, 120, 180 DEGREES), NEOPRENE DOOR GASKET, AIR VENT LOUVERS, CONTINUOUS STAINLESS STEEL DOOR HINGE, INTERIOR STIFFENERS FOR MOUNTING, THREE POINT LATCHING MECHANISM WITH #2 CORBIN LOCK, 24 FIBER INTERCONNECT CENTER, POWER PANEL, AND ALL STAINLESS STEEL HARDWARE.
- THE CABINET SHALL BE EQUIPPED WITH A THERMOSTATICALLY CONTROLLED VENTILATION FAN, 250 WATT HEATER STRIP (WITH GUARD), AND DELUXE PLEATED AIR FILTER.
- THE CABINET SHALL BE EQUIPPED WITH A SLIDE OUT KEYBOARD TRAY WITH INTEGRATED DOCUMENT STORAGE DRAWER.
- THE CONTRACTOR SHALL INSTALL ALL DIN RAIL MOUNTED EQUIPMENT IN THE CABINET. (ETHERNET SWITCHES, POWER SUPPLIES, ETC.)
- THE CONTRACTOR SHALL INSTALL A 48" X 48" CONCRETE STAND PAD AT EACH CABINET LOCATION. THE COST OF THE STANDPAD SHALL BE INCLUDED IN THE COST OF THE CABINET.
- THE CABINET SHALL BE EQUIPPED WITH A 19" RACK TO ACCOMMODATE RACK MOUNTED EQUIPMENT.

MODEL: Default
FILE: Model: PoleMountedEquipmentCabinetTypeB.dwg
Project: 74897-CADData-CAD: Sheets: 17-74897-shc-cabinetdetail.dwg

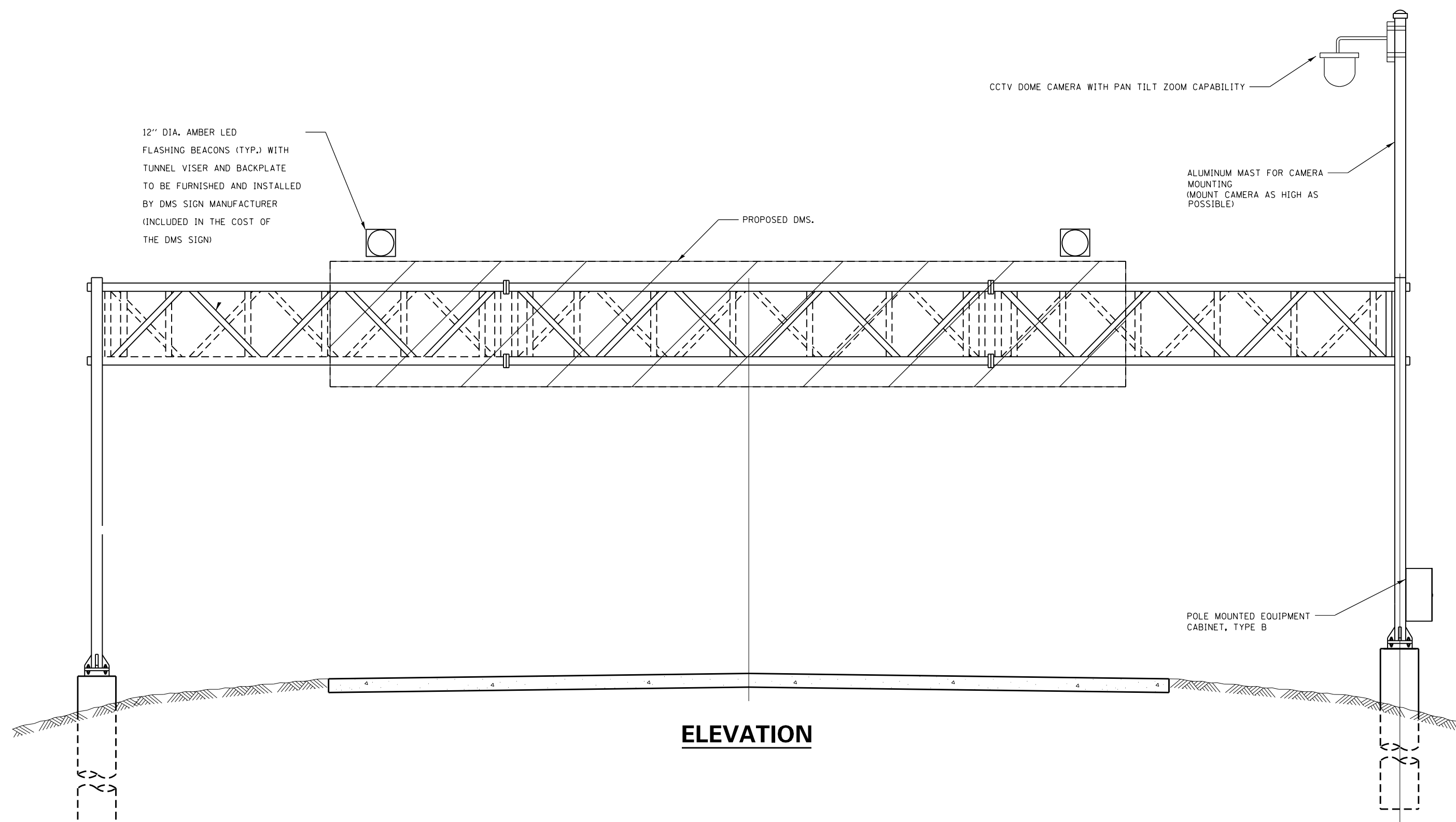
USER NAME = steffenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 2/14/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

POLE MOUNTED EQUIPMENT CABINET, TYPE B DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D7 ITS 2020	VARIOUS	52	15
			CONTRACT NO. 74897	
ILLINOIS FED. AID PROJECT				



12" DIA. AMBER LED
FLASHING BEACONS (TYP.) WITH
TUNNEL VISER AND BACKPLATE
TO BE FURNISHED AND INSTALLED
BY DMS SIGN MANUFACTURER
(INCLUDED IN THE COST OF
THE DMS SIGN)

PROPOSED DMS.

CCTV DOME CAMERA WITH PAN TILT ZOOM CAPABILITY

ALUMINUM MAST FOR CAMERA
MOUNTING
(MOUNT CAMERA AS HIGH AS
POSSIBLE)

POLE MOUNTED EQUIPMENT
CABINET, TYPE B

ELEVATION

CCTV CAMERA PLACEMENT (TYP.)
OVERHEAD SIGN STRUCTURES (TYP.)

NOTES:

* THE CONTRACTOR SHALL SUBMIT COMPLETE ELECTRICAL DESIGN DETAILS AND CALCULATIONS SEALED BY AN ILLINOIS LICENSED ELECTRICAL AND STRUCTURAL ENGINEER TO THE RESIDENT ENGINEER FOR REVIEW AND APPROVAL PRIOR TO THE ORDERING OF ANY MATERIALS.

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED DMS & CCTV CAMERA DETAIL FOR OVERHEAD SIGN STRUCTURE	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 7\Projects\74897\DRAWN\CADsheets\0774897-sht-dmsinst11.dgn	DESIGNED -	REVISED -	VAR			07 ITS 2020	VARIOUS	52	16	
Default	PLOT SCALE = 300000.0001' / in.	CHECKED -	REVISED -			CONTRACT NO. 74897			ILLINOIS	
	PLOT DATE = 2/14/2020	DATE -	REVISED -	SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.

ALUMINUM POLE CAP

CCTV CAMERA

4-1/2" DIAMETER SCHEDULE 80 ALUMINUM POLE, 20 FT. LENGTH (INSTALLED VERTICAL AND PLUMB)

ADJUSTABLE MAST ARM CLAMP COMPONENT PRODUCTS, INC. CPI-MAB-1070 (8"-10" DIAMETER) CPI-MAB-1071 (12"-14" DIAMETER) OR APPROVED EQUAL

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE CAMERA MAST COMPONENTS FIT CORRECTLY AND ARE COMPATIBLE WITH THE SIGN STRUCTURE. THE MANUFACTURER OF THE SIGN STRUCTURE SHALL APPROVE THE CAMERA MAST DESIGN.

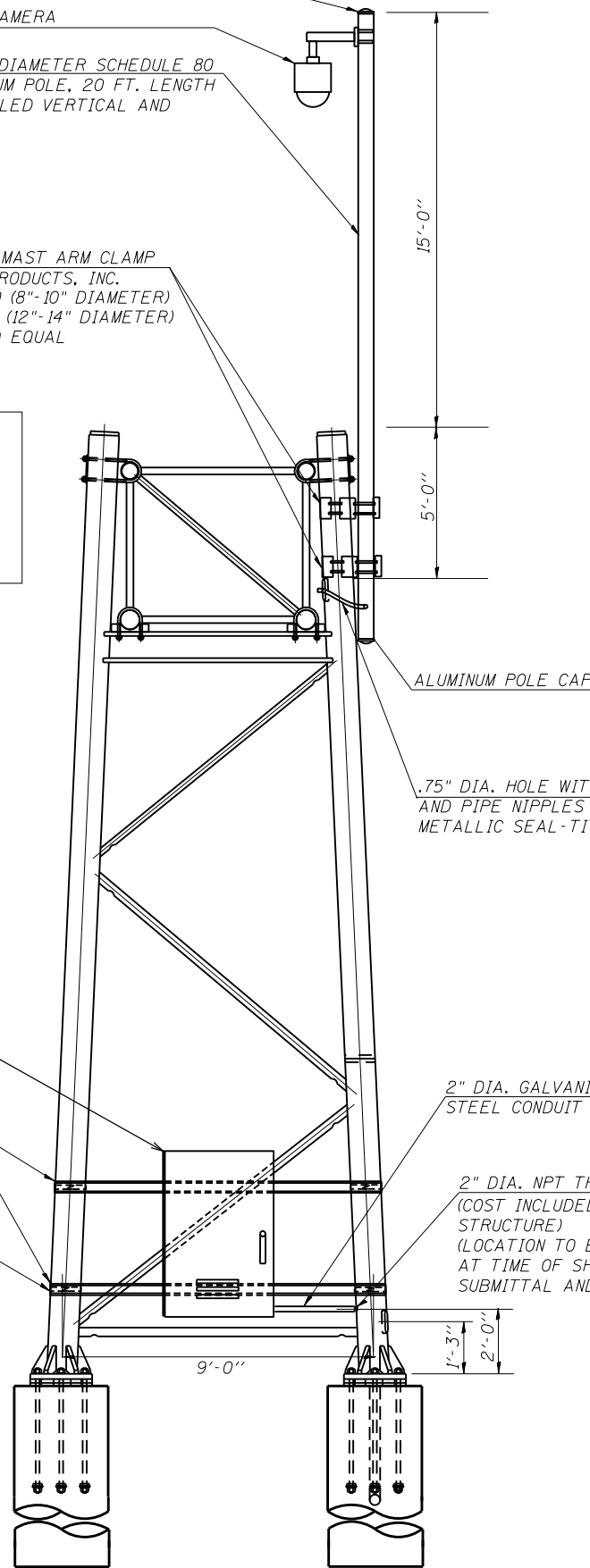
THE CONTRACTOR SHALL FURNISH AND INSTALL ALL GALVANIZED STEEL UNISTRUT, BRACKETING AND HARDWARE REQUIRED FOR CABINET INSTALLATION ONTO THE SIGN STRUCTURE VERTICAL SUPPORTS. THE CONTRACTOR SHALL SUBMIT CATALOG CUT SHEETS FOR ALL MATERIALS AND DETAIL DRAWINGS FOR PROPOSED MOUNTING METHODS PRIOR TO COMMENCING WORK. ALL MATERIAL SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE EQUIPMENT CABINET.

POLE MOUNTED EQUIPMENT CABINET TYPE B

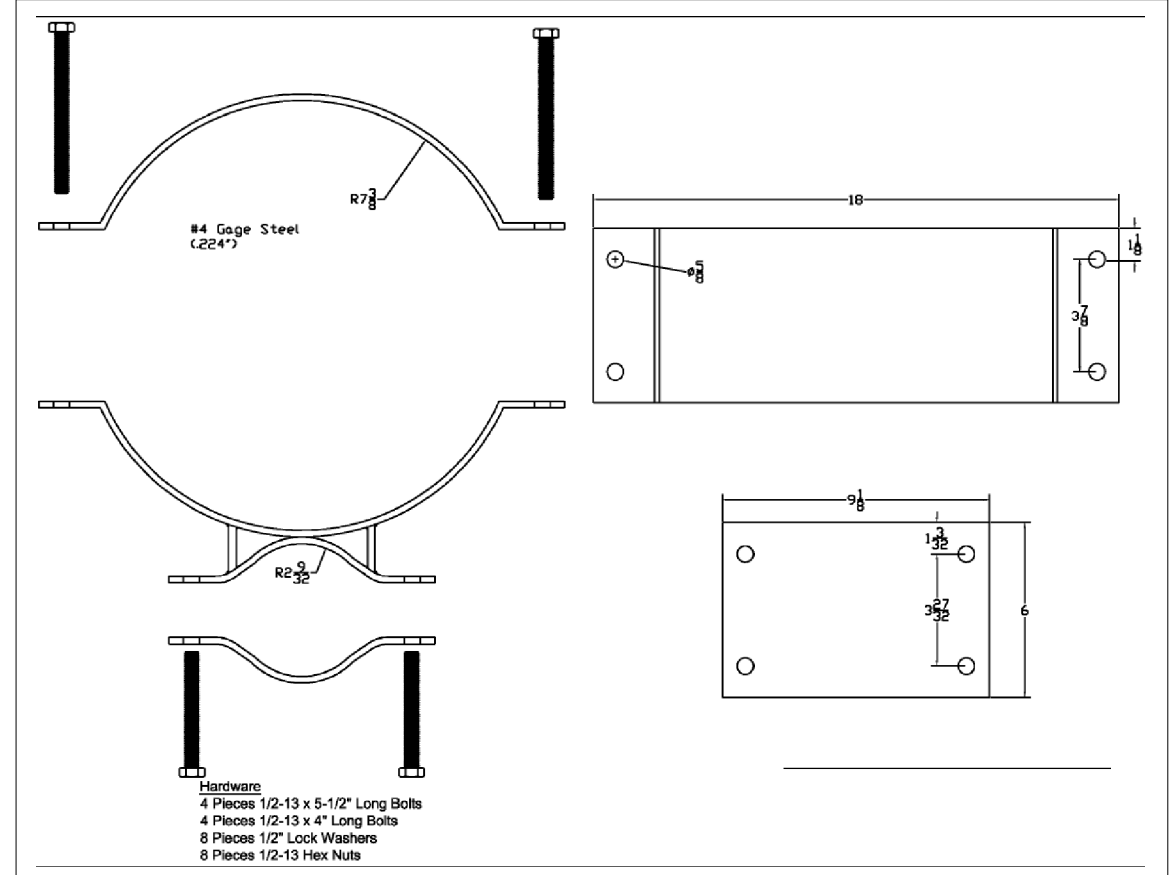
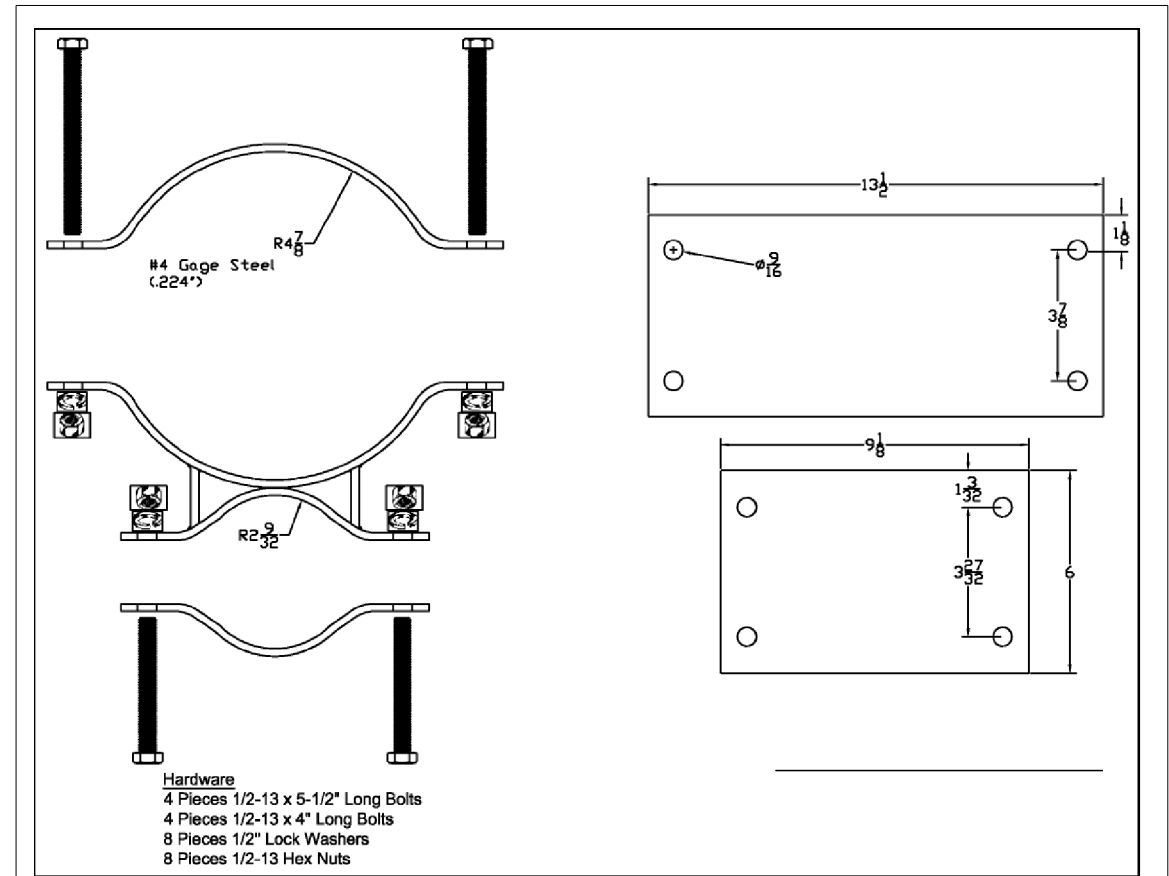
1-5#8" X 1-5/8" 12 GA. GALVANIZED STEEL UNISTRUT (ALL CUT ENDS TO BE COLD-GALVANIZED)

STAINLESS STEEL BANDING AND BUCKLE (TYPICAL)

THE CONTRACTOR SHALL SUBMIT CABINET MOUNTING DETAILS TO THE DEPARTMENT FOR REVIEW PRIOR TO ORDERING MATERIALS.



SIDE ELEVATION



FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED -
pw:\planroom.dot.illinois.gov\PWIDOT\Documents\DOT Offices\District 7\Projects\74897\DRAWN\CADsheets\0774897-sht-dmsnstl1.dgn		CHECKED -	REVISED -
Default	PLOT DATE = 4/1/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PROPOSED DMS & CCTV CAMERA DETAIL
FOR OVERHEAD SIGN STRUCTURE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	07 ITS 2020	VARIOUS	52	17
			CONTRACT NO. 74897	
ILLINOIS				

ALUMINUM POLE CAP

CCTV CAMERA

4-1/2" DIAMETER SCHEDULE 80
ALUMINUM POLE, 20 FT. LENGTH
(INSTALLED VERTICAL AND
PLUMB)

ATTACHMENT BRACKETS
(APPROVED BY STRUCTURE
MANUFACTURER)

15'-0"

5'-0"

75" DIA. HOLE WITH GROMMET
AND PIPE NIPPLES AND NON
METALLIC SEAL-TITE (TYP.)

ALUMINUM POLE CAP

THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THAT THE CAMERA MAST COMPONENTS FIT CORRECTLY AND ARE COMPATIBLE WITH THE SIGN STRUCTURE. THE MANUFACTURER OF THE SIGN STRUCTURE SHALL APPROVE THE CAMERA MAST DESIGN.

THE CONTRACTOR SHALL FURNISH AND INSTALL ALL GALVANIZED STEEL UNISTRUT, BRACKETING AND HARDWARE REQUIRED FOR CABINET INSTALLATION ONTO THE SIGN STRUCTURE VERTICAL SUPPORT. THE CONTRACTOR SHALL SUBMIT CATALOG CUT SHEETS FOR ALL MATERIALS AND DETAIL DRAWINGS FOR PROPOSED MOUNTING METHODS PRIOR TO COMMENCING WORK. ALL MATERIAL SHALL BE APPROVED BY THE ENGINEER PRIOR TO INSTALLATION. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE EQUIPMENT CABINET.

THE CONTRACTOR SHALL SUBMIT CABINET MOUNTING DETAILS TO THE DEPARTMENT FOR REVIEW PRIOR TO ORDERING MATERIALS.

CCTV EQUIPMENT CABINET SHALL BE INSTALLED ON THE EXISTING SIGN STRUCTURE

2" DIA. NPT THREADED HUB
(COST INCLUDED WITH
STRUCTURE)
(LOCATION TO BE DETERMINED
AT TIME OF SHOP DRAWING
SUBMITTAL AND REVIEW)

STAINLESS STEEL BANDING
AND BUCKLE
(TYPICAL)

FRONT ELEVATION

SIDE ELEVATION

FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED -
pw:\planroom.dot.illinois.gov\PWIDOT\Documents\IDOT Offices\District 7\Projects\74897\DRAWN\CADsheets\0774897-shr-dmsnstl11		DRAWN -	REVISED -
	PLOT SCALE = 2999996.1001' / in.	CHECKED -	REVISED -
	PLOT DATE = 4/1/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

BUTTERFLY SIGN STRUCTURE III-F-A
TRUSS SUPPORT POST - ALUMINUM TRUSS & STEEL POST

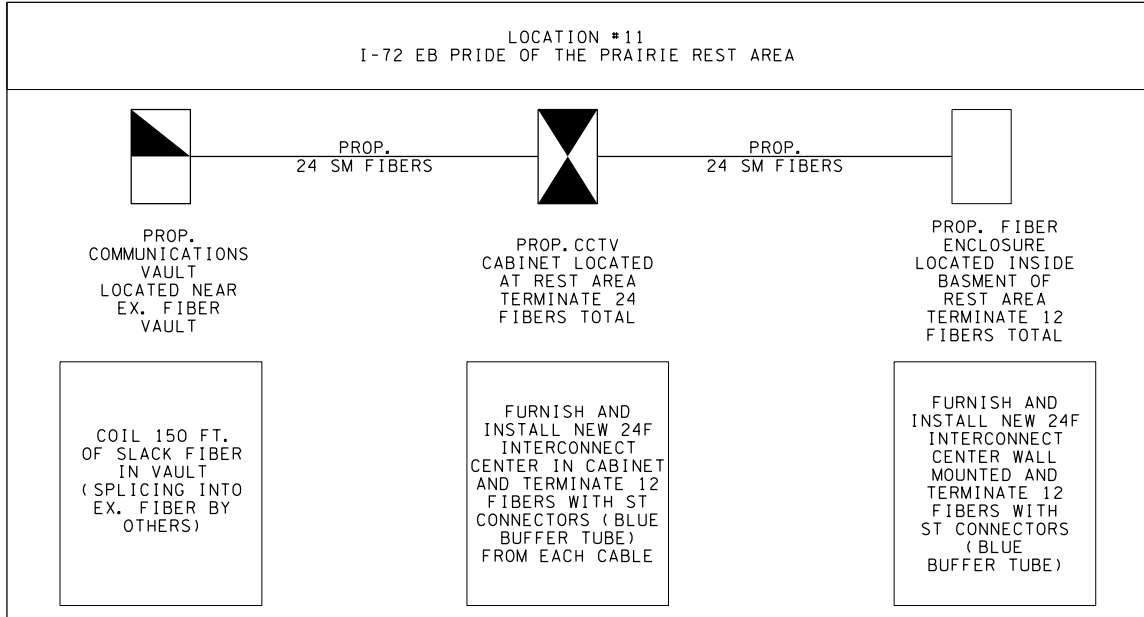
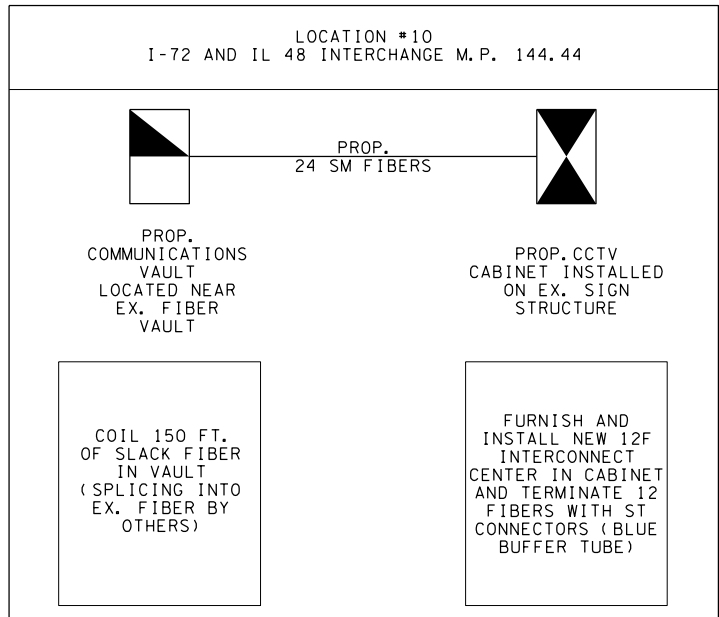
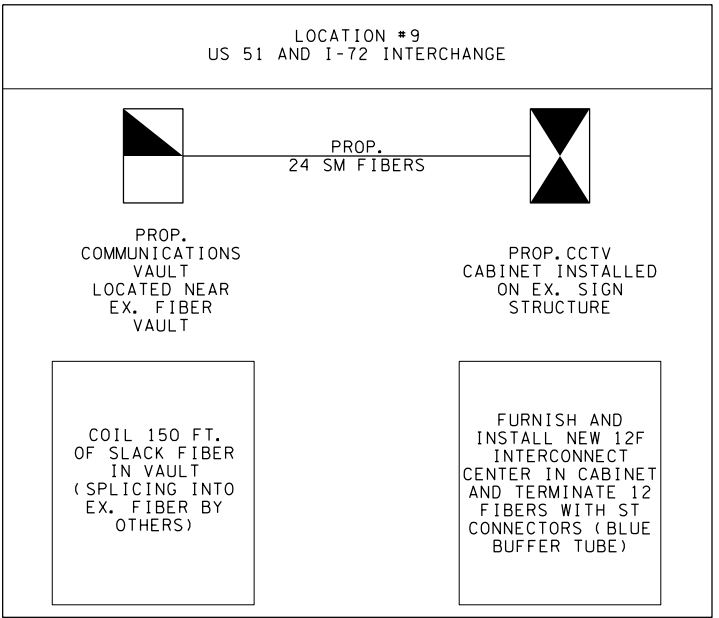
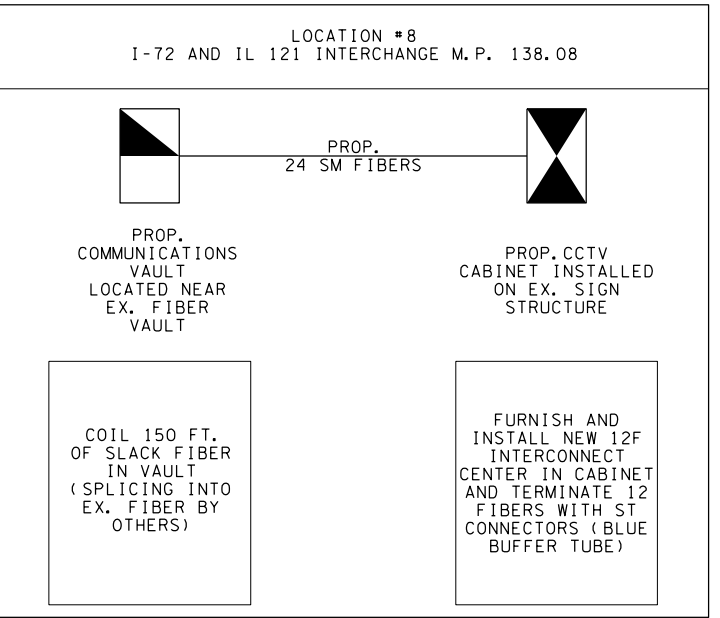
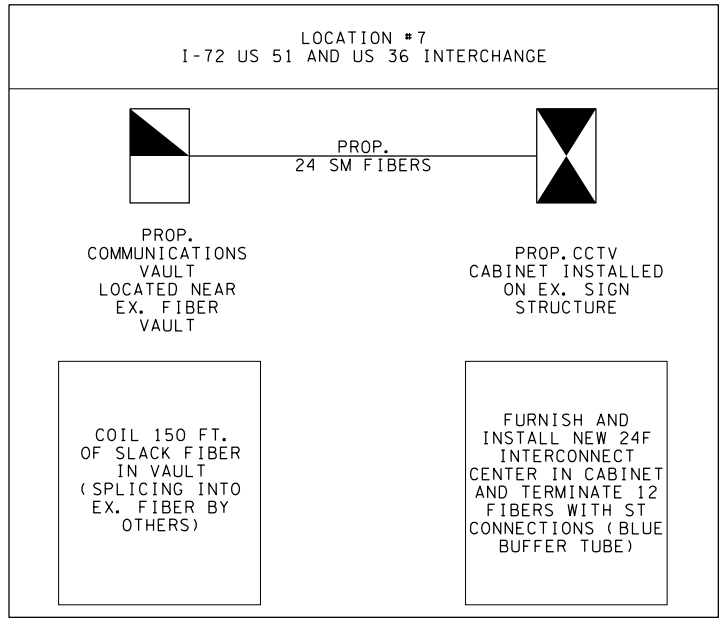
SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D7 ITS 2020	VARIOUS	52	18
			CONTRACT NO.	74643
ILLINOIS				

FIBER OPTIC CABLE TERMINATION NOTES (SINGLE MODE CABLE)

1. THE PROPOSED FIBER OPTIC CABLE SHALL BE TERMINATED AS SHOWN ON THE FIBER OPTIC LINE/TERMINATION DIAGRAM WITH ST CONNECTORS.
2. ALL CABLE SPLICES AND TERMINATIONS SHALL BE FUSION SPLICED.
3. THE CONTRACTOR SHALL FURNISH AND INSTALL ALL ITEMS REQUIRED FOR FIBER OPTIC CABLE TERMINATION, INCLUDING, BUT NOT LIMITED TO, BREAKOUT KITS, FANOUT KITS, ENCLOSURES, WEATHERPROOF SPLICE BOOTS, SPLICE SLEEVES, CONNECTORS, INTERCONNECT CENTERS, ETC.
4. ALL ST CONNECTORS SHALL BE FUSION SPLICED UTILIZING PRE-FORMED CABLES WITH CONNECTORS AND FUSION SPLICED TO THE PROPOSED FIBER.
5. THE CONTRACTOR SHALL INSTALL 150 FT OF SLACK CABLE INSIDE EACH PROPOSED COMMUNICATION VAULT THAT IS INSTALLED ADJACENT TO AN EXISTING CMS COMMUNICATION VAULT FOR SPLICING INTO THE EXISTING CMS FIBER.
6. SPLICING OF PROPOSED FIBER OPTIC CABLES INTO EXISTING CMS FIBER TO BE DONE BY OTHERS. THIS WORK WILL BE PAID FOR SEPERATELY IN ACCORDANCE WITH ARTICLE 109.05 OF THE STANDARD SPECIFICATIONS.
7. ALL LABOR, MATERIALS, AND EQUIPMENT REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE BID PRICE FOR THE PROPOSED FIBER OPTIC CABLE. THERE WILL BE NO ADDITIONAL COMPENSATION FOR THIS WORK.

FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED FIBER OPTIC CABLE TERMINATION NOTES	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 7\Projects\74897\DRAWN\CADsheets\0774897-sht-dmsnst11	DRAWN	REVISED	VAR			D7 ITS 2020	VARIOUS	52	19	
PLOT SCALE = 2999996.1001' / in.	CHECKED -	REVISED -	CONTRACT NO. 74897							
PLOT DATE = 4/1/2020	DATE -	REVISED -	ILLINOIS							
SCALE: SHEET NO. 1 OF 1 SHEETS						STA.	TO STA.			



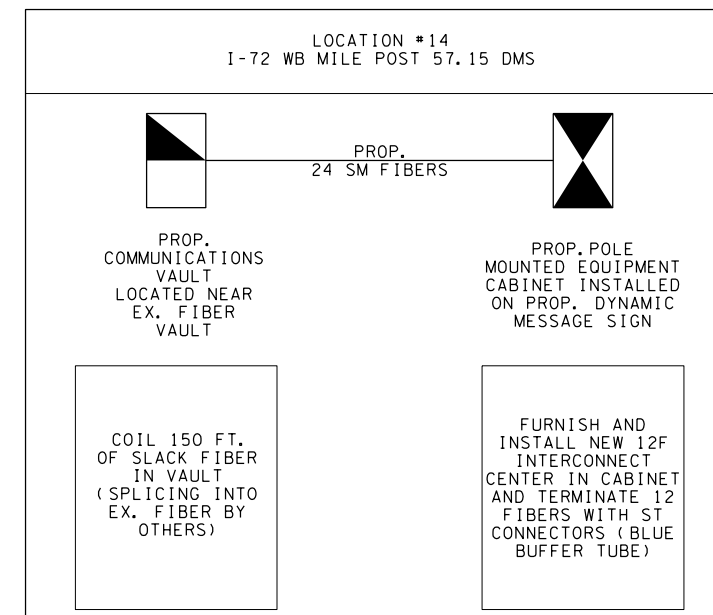
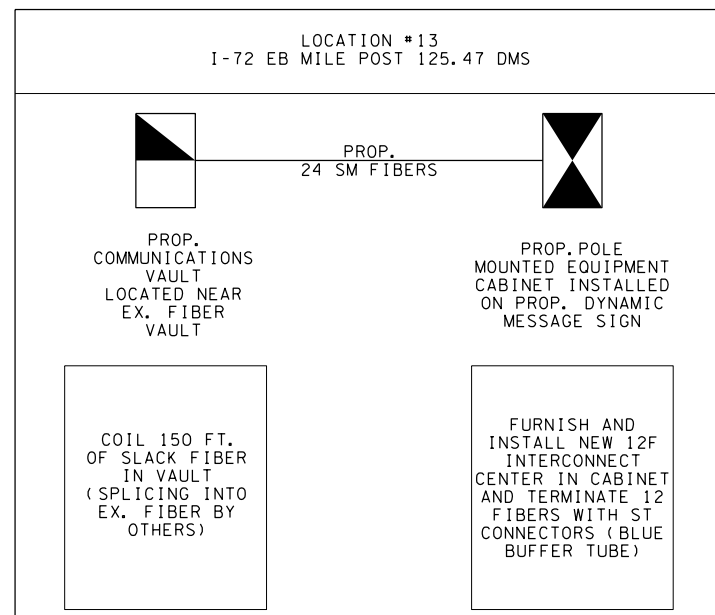
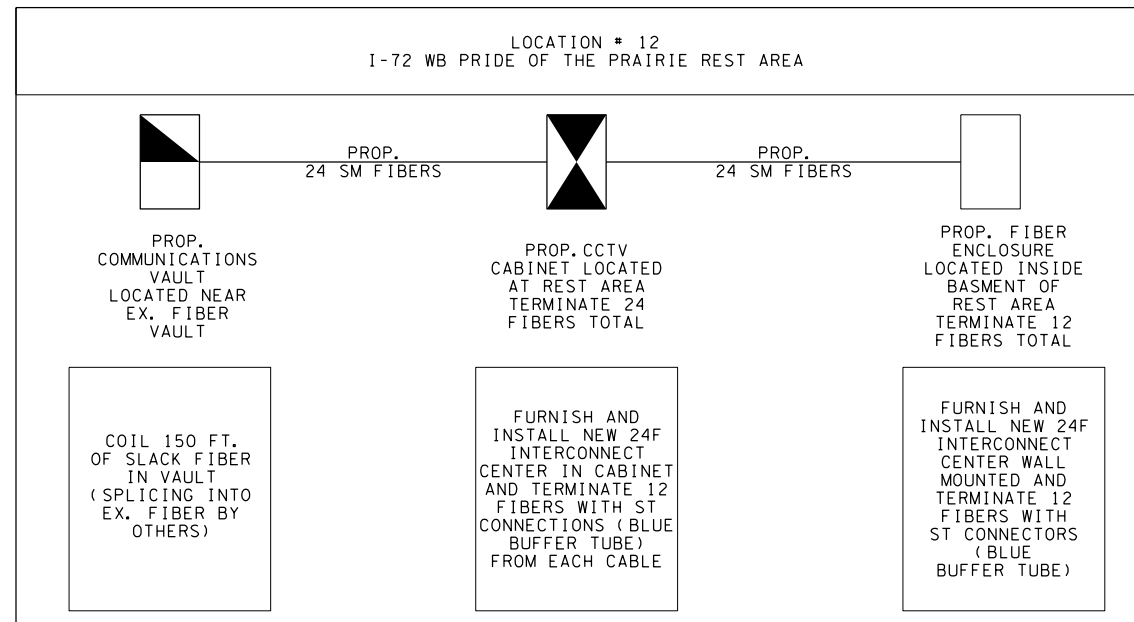
FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISED -
pw:\planroom.dot.illinois.gov\PWIDOT\Documents\IDOT Offices\District 7\Projects\74897\DRAWN\CADsheets\0774897-sht-dmsnst11.dgn		DRAWN -	REVISED -
PLOT SCALE = 2999996.1001' / in.	CHECKED -	REVISOR -	REVISOR -
PLOT DATE = 2/14/2020	DATE -	REVISOR -	REVISOR -

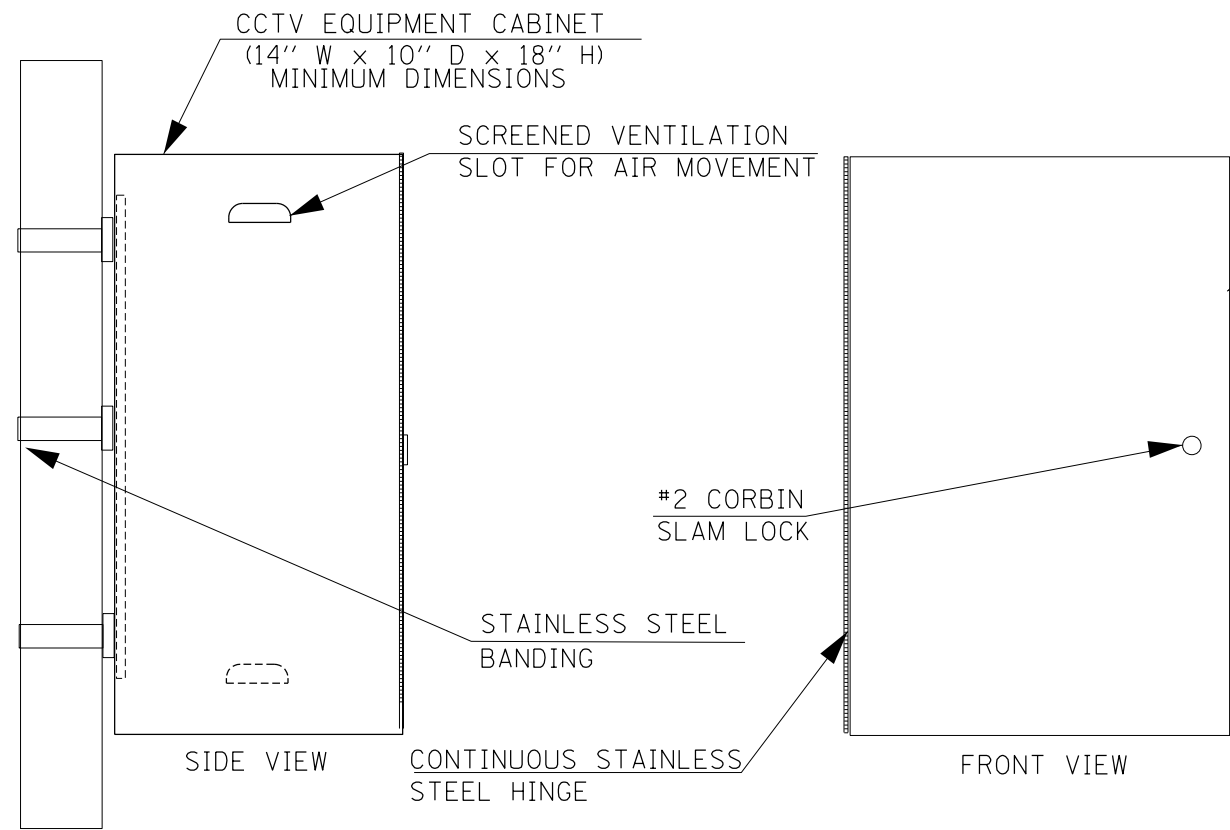
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PROPOSED FIBER OPTIC TERMINATION DIAGRAM

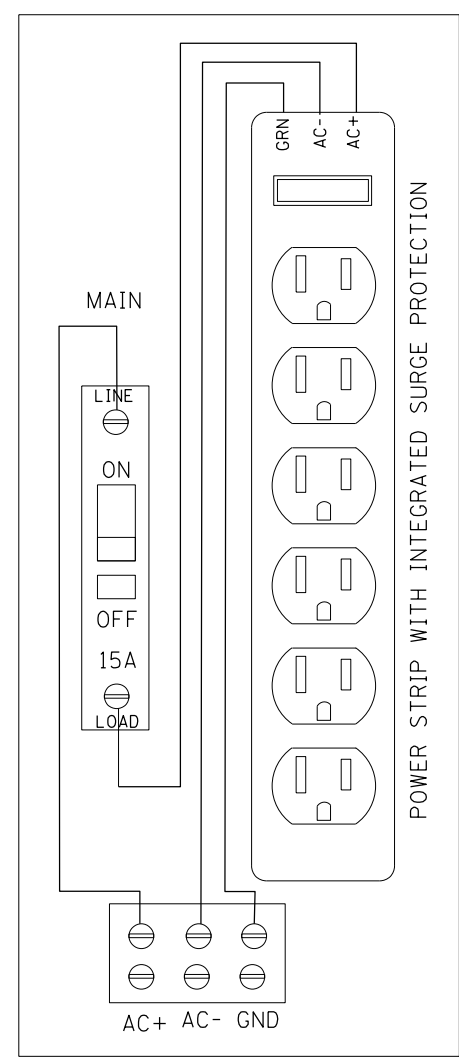
SCALE: SHEET NO. 1 OF 1 SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D7 ITS 2020	VARIOUS	52	21
			CONTRACT NO. 74897	
ILLINOIS				



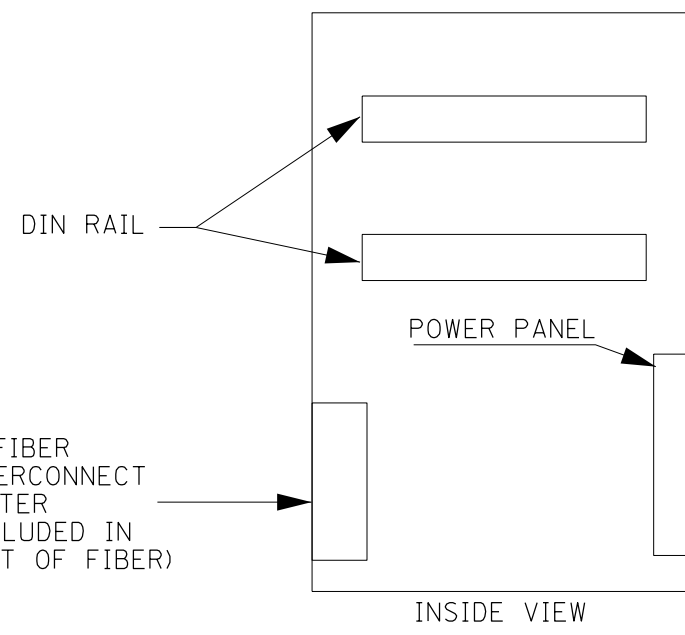


CELLULAR NEOPRENE GASKET



ITS EQUIPMENT CABINET POWER PANEL DETAIL
(TERMINAL STRIP TO BE EQUIPPED WITH PLEXI-GLASS SAFETY SHIELD)

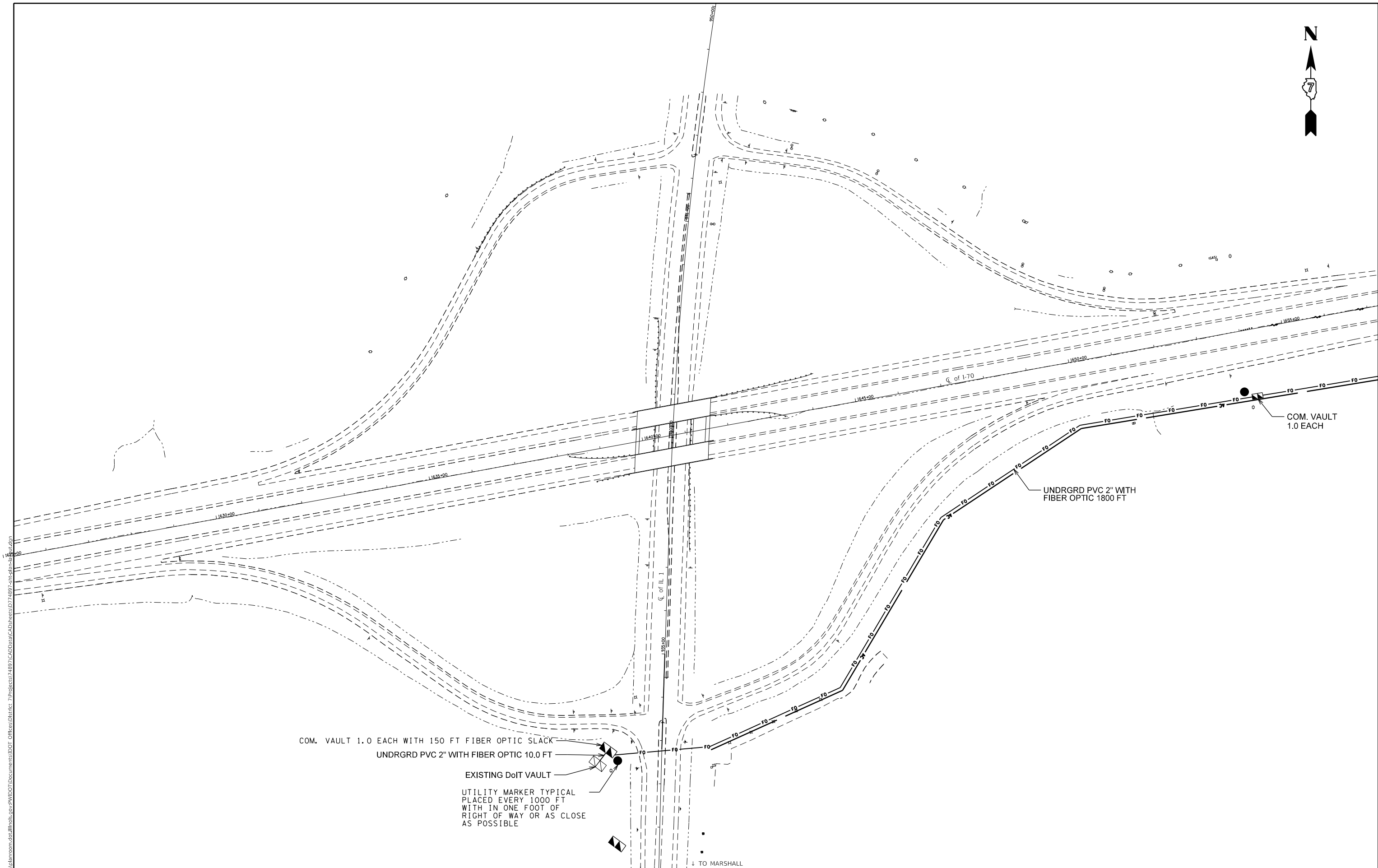
THE CONTRACTOR SHALL FURNISH AND INSTALL ALL BRACKETING AND HARDWARE REQUIRED FOR CABINET INSTALLATION ON THE EXISTING AND PROPOSED POLES



NOTES

1. THE ITS EQUIPMENT CABINET SHALL BE A NEMA TYPE 3R CABINET WITH MINIMUM OUTSIDE DIMENSIONS OF 20" (H) X 14" (W) X 10" (D) (NOMINAL). THE CABINET SHALL BE CONSTRUCTED FROM .125" THICK ALUMINUM AND HAVE A NATURAL FINISH.
2. THE CABINET SHALL BE EQUIPPED WITH A #2 CORBIN SLAM LOCK, AND ALL STAINLESS STEEL HARDWARE.

FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CLOSED CIRCUIT CABINET DETAIL	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
pw:\planroom.dot.illinois.gov\PWIDOT\Documents\IDOT Offices\District 7\Projects\74897\DRAWN\CADsheets\0774897-sht-dmsnstl1.dgn	DESIGNED -	REVISED -	VAR			D7 ITS 2020	VARIOUS	52	23	
PLOT SCALE = 2999996.1001' / in.	CHECKED -	REVISED -	CONTRACT NO. 74897							
PLOT DATE = 2/14/2020	DATE -	REVISED -	SCALE:			SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS		



COM. VAULT 1.0 EACH WITH 150 FT FIBER OPTIC SLACK
 UNDRGRD PVC 2" WITH FIBER OPTIC 10.0 FT
 EXISTING DoIT VAULT
 UTILITY MARKER TYPICAL
 PLACED EVERY 1000 FT
 WITH IN ONE FOOT OF
 RIGHT OF WAY OR AS CLOSE
 AS POSSIBLE

MODEL: Default
 FILE: \\blm1c:\pub\baronm.dwg
 PROJECT: \\blm1c:\pub\baronm.dwg
 USER: steffemk
 DATE: 4/1/2020

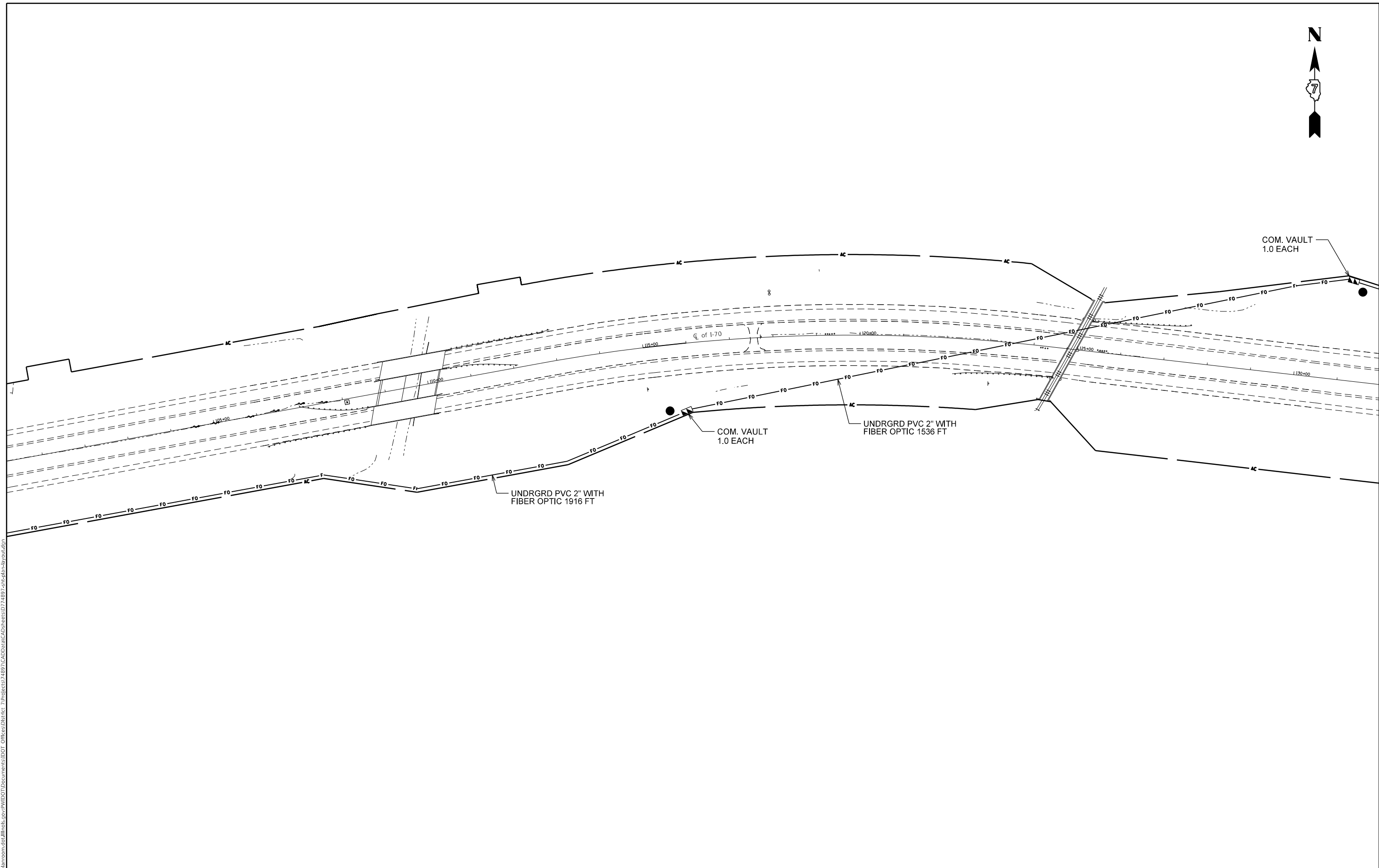
USER NAME = steffemk	DESIGNED -	REVISED -
PLOT SCALE = 200.0000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 4/1/2020	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

(CCTV LOCATION #1)
CUMBERLAND ROAD REST AREA I-70 WB

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D7 ITS 2020	VARIOUS	52	24
			CONTRACT NO. 74897	
ILLINOIS				



MODEL: Default
 FILE: \\blm1c:\pub\blmroom\data\illinois\pwr\WIDOT\Documents\DOT_Offices\District_7\Projects\74897\CADD\data\CAD\Drawings\74897-sheetplan-bayou.dwg

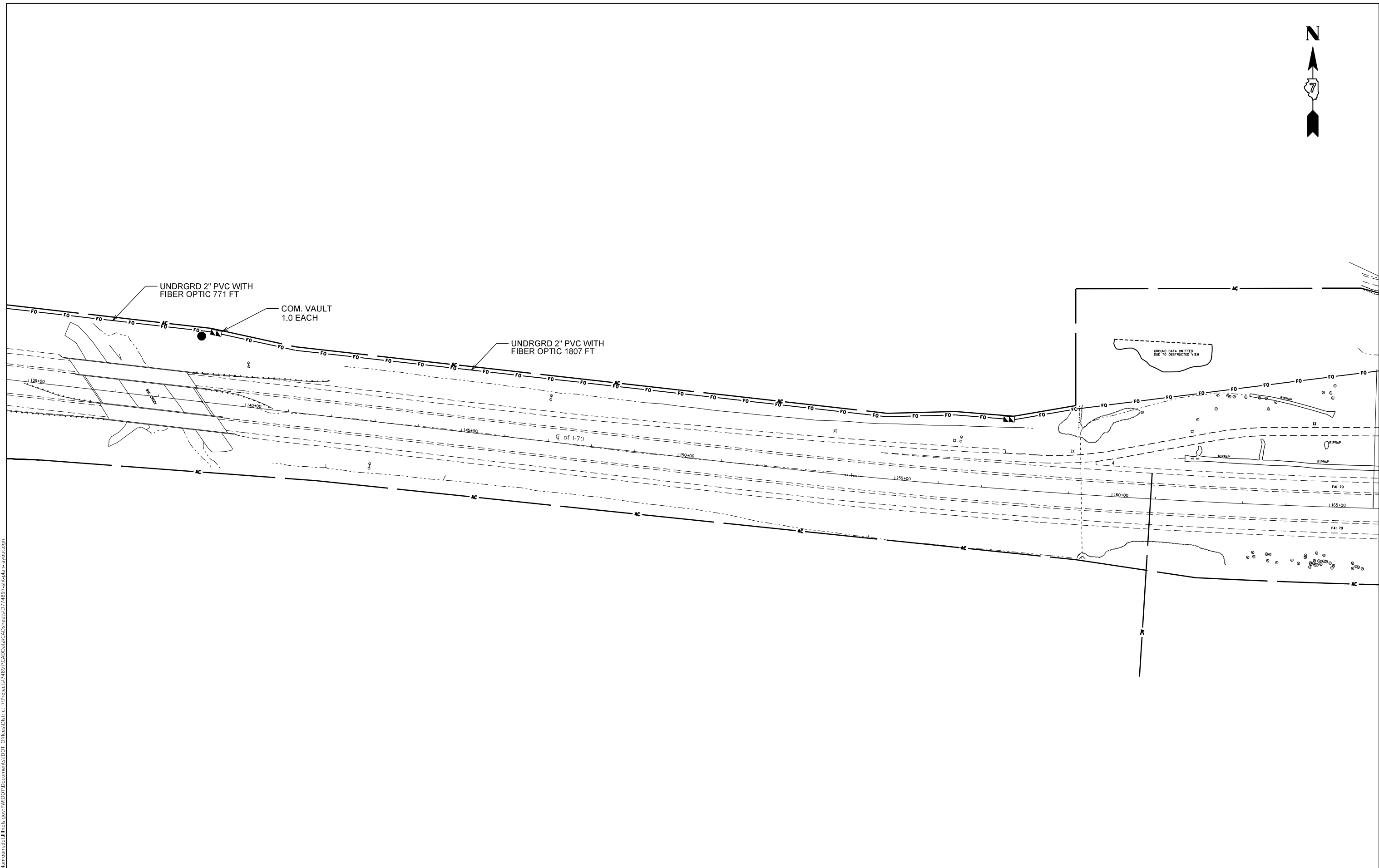
USER NAME = steffenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 200.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 4/1/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

(CCTV LOCATION #1)
CUMBERLAND ROAD REST AREA I-70 WB

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D7 ITS 2020	VARIOUS	52	25
			CONTRACT NO. 74897	
ILLINOIS				



MODEL: Default
 FILE: h:\a\c\p\suplanroom\dat\illinois\poc\RWIDOT\Documents\DOT_Offices\District_7\Projects\74897\CADD\ataCAD\Drawings\74897-sheetplan-bayou.dwg

USER NAME = steffemk	DESIGNED -	REVISED -
PLOT SCALE = 200.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 4/1/2020	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

(CCTV LOCATION #1)
CUMBERLAND ROAD REST AREA I-70 WB

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D7 ITS 2020	VARIOUS	52	26
			CONTRACT NO. 74897	
SCALE:		SHEET OF SHEETS	STA. TO STA.	ILLINOIS

• NOTES
 THE CONTRACTOR SHALL INSTALL THREE #6 1/C XLP-USE CABLES FROM THE PROPOSED POLE MOUNTED EQUIPMENT CABINET TO THE EXISTING HIGHWAY LIGHTING CONTROLLER CABINET LOCATED IN THE REST AREA.

THE COST OF THE GALVANIZED STEEL LBS, BRACKETS, HARWARE AND ALL OTHER ITEMS REQUIRED FOR INSTALLING THE PROPOSED JUNCTION BOX ONTO THE WALL AND FIBER OPTIC AND ELECTRIC CABLES INTO THE REST AREA BUILDING SHALL BE INCLUDED IN THE BID PRICE FOR THE CONDUIT ATTACHED TO THE STRUCTURES.

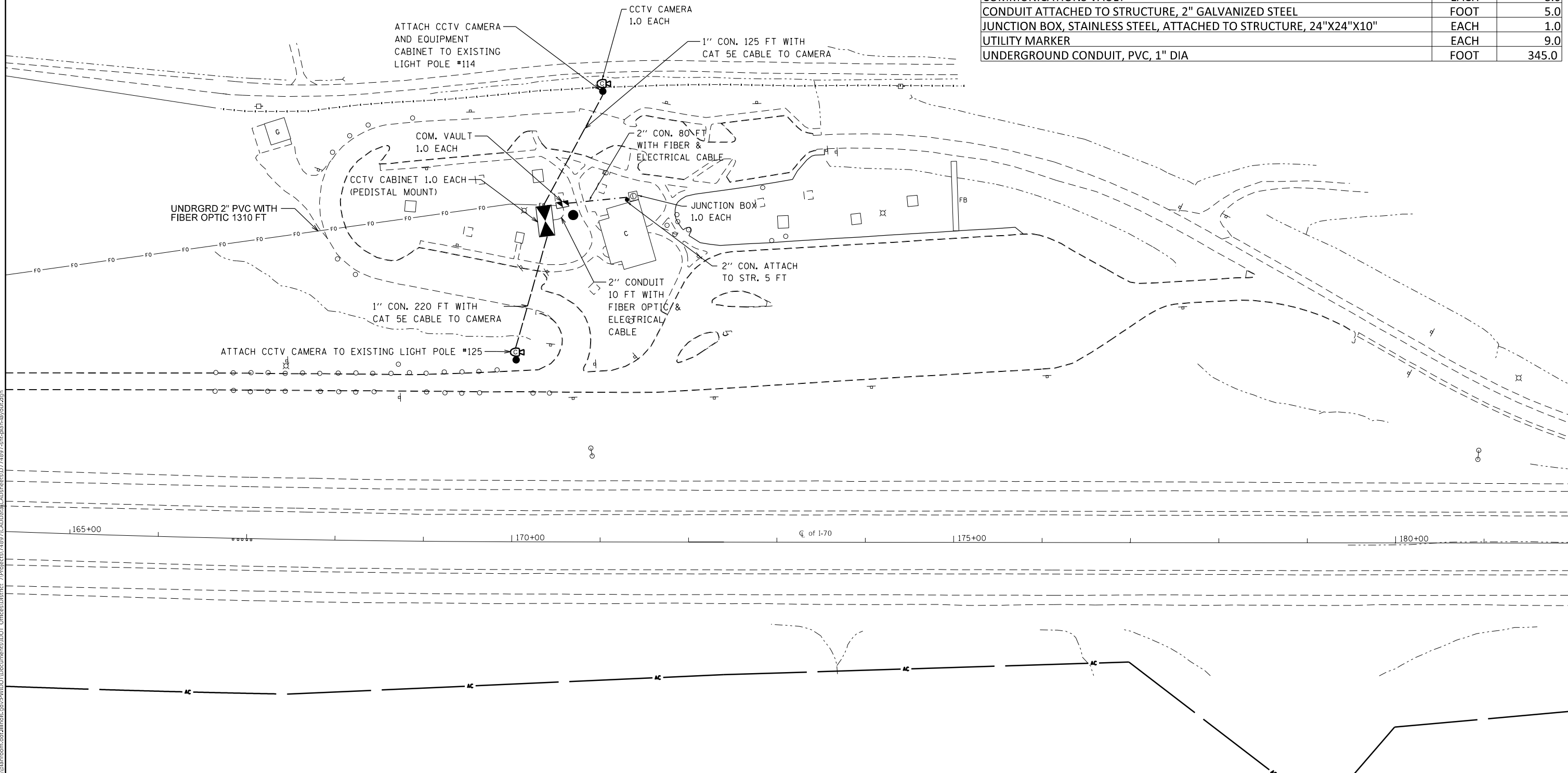
THE COST OF PENETRATING THE EXTERIOR WALL OF THE REST AREA BUILDING SHALL BE INCLUDED IN THE BID PRICE FOR THE STAINLESS STEEL JUNCTION BOX.

THE CONTRACTOR SHALL OBTAIN LOCATION VERIFICATION PRIOR TO INSTALLING THE FIBER ENCLOSURE IN THE REST AREA.

THE CCTV EQUIPMENT CABINET SHALL BE EQUIPPED WITH A STIFFENER PLATE AND PEDESTAL MOUNTING. THE COST OF THE PEDESTAL, BREAKAWAY BASE, BRACKETS, STIFFENER PLATE AND ALL REQUIRED HARDWARE SHALL BE INCLUDED IN THE COST OF THE PROPOSED CCTV EQUIPMENT CABINET.



LOCATION NO.:	CVTV #1	LOC. DESCRIPTION	MARSHALL REST AREA					
COUNTY:	CLARK	ROUTE:	I-70	M.P.	148.5	DIRECTION	WB	
DESCRIPTION OF WORK							UNIT	QUANTITY
UNDERGROUND CONDUIT, PVC, 2" DIA							FOOT	9625.0
ELECTRICAL CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6							FOOT	403.0
DRILL EXISTING HANDHOLE							EACH	0
DRILL EXISTING FOUNDATION							EACH	2.0
CLOSED CIRCUIT TELEVISION CABINET							EACH	1.0
CAT 5 ETHERNET CABLE							FOOT	489.0
CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED							EACH	2.0
FIBER OPTIC CABLE 24 FIBERS, SINGLE MODE							FOOT	10458.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH							EACH	2.0
CIRCUIT BREAKER, 1-POLE, 20 AMP, 120V IN EXISTING CABINET							EACH	1.0
COMMUNICATIONS VAULT							EACH	8.0
CONDUIT ATTACHED TO STRUCTURE, 2" GALVANIZED STEEL							FOOT	5.0
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 24"X24"X10"							EACH	1.0
UTILITY MARKER							EACH	9.0
UNDERGROUND CONDUIT, PVC, 1" DIA							FOOT	345.0



MODEL: Default
 FILE: \\s:\c:\pub\baronm.d\atl\ink.spc\p\p\DOT\Documents\DOT - Office\Drawtct 7\Projects\74897\CADD\Drawtct\74897-she-draw-bj-04.dwg

USER NAME = steffemk	DESIGNED -	REVISED -
PLOT SCALE = 200.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 4/1/2020	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

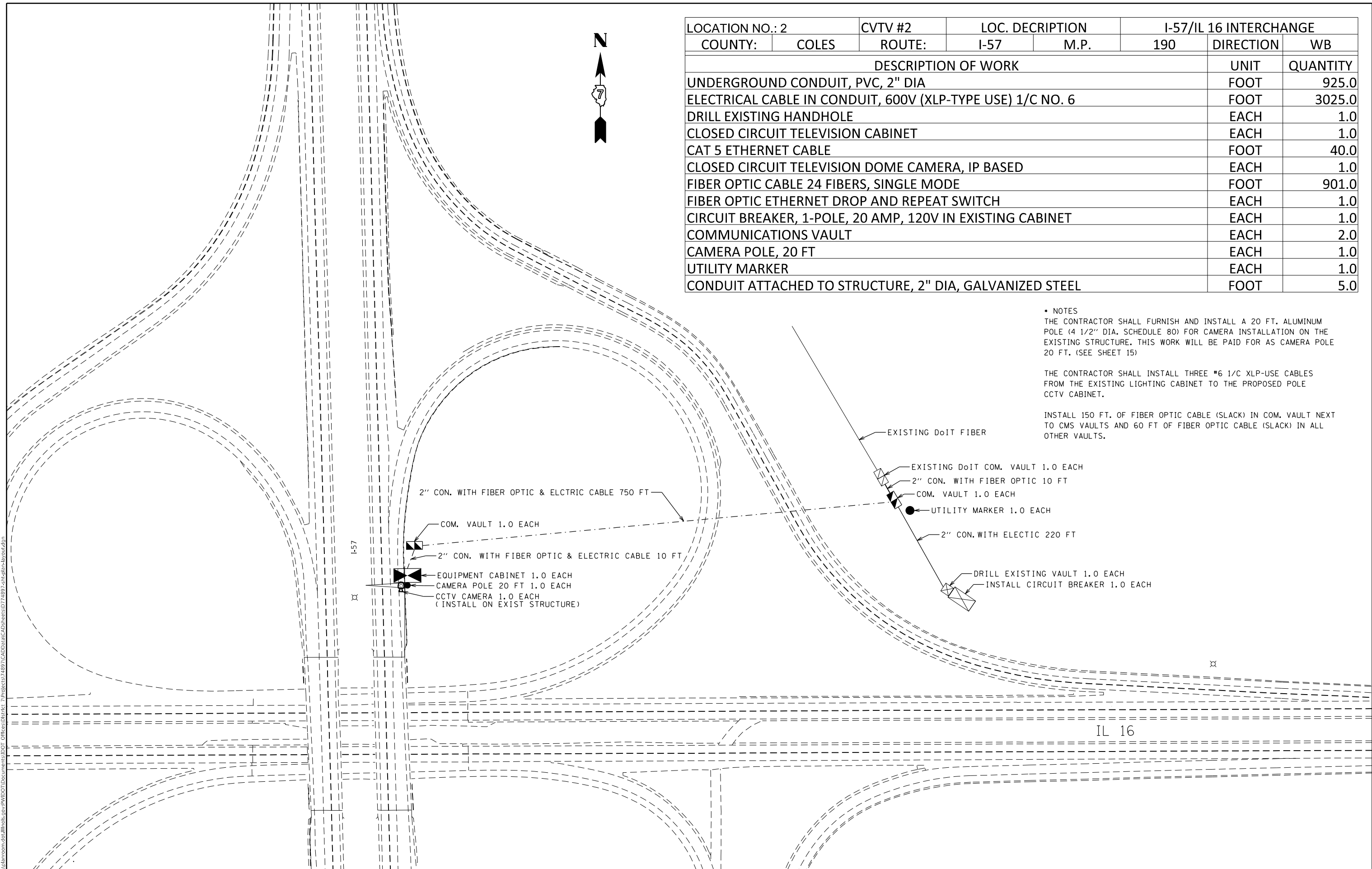
(CCTV LOCATION #1)
CUMBERLAND ROAD REST AREA I-70 WB

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D7 ITS 2020	VARIOUS	52	27
CONTRACT NO. 74897				
ILLINOIS				

LOCATION NO.: 2		CVTV #2	LOC. DESCRIPTION		I-57/IL 16 INTERCHANGE		
COUNTY:	COLES	ROUTE:	I-57	M.P.	190	DIRECTION	WB
DESCRIPTION OF WORK						UNIT	QUANTITY
UNDERGROUND CONDUIT, PVC, 2" DIA						FOOT	925.0
ELECTRICAL CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6						FOOT	3025.0
DRILL EXISTING HANDHOLE						EACH	1.0
CLOSED CIRCUIT TELEVISION CABINET						EACH	1.0
CAT 5 ETHERNET CABLE						FOOT	40.0
CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED						EACH	1.0
FIBER OPTIC CABLE 24 FIBERS, SINGLE MODE						FOOT	901.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH						EACH	1.0
CIRCUIT BREAKER, 1-POLE, 20 AMP, 120V IN EXISTING CABINET						EACH	1.0
COMMUNICATIONS VAULT						EACH	2.0
CAMERA POLE, 20 FT						EACH	1.0
UTILITY MARKER						EACH	1.0
CONDUIT ATTACHED TO STRUCTURE, 2" DIA, GALVANIZED STEEL						FOOT	5.0

- NOTES
- THE CONTRACTOR SHALL FURNISH AND INSTALL A 20 FT. ALUMINUM POLE (4 1/2" DIA. SCHEDULE 80) FOR CAMERA INSTALLATION ON THE EXISTING STRUCTURE. THIS WORK WILL BE PAID FOR AS CAMERA POLE 20 FT. (SEE SHEET 15)
- THE CONTRACTOR SHALL INSTALL THREE #6 1/C XLP-USE CABLES FROM THE EXISTING LIGHTING CABINET TO THE PROPOSED POLE CCTV CABINET.
- INSTALL 150 FT. OF FIBER OPTIC CABLE (SLACK) IN COM. VAULT NEXT TO CMS VAULTS AND 60 FT OF FIBER OPTIC CABLE (SLACK) IN ALL OTHER VAULTS.



MODEL: Default
 FILE: \\s:\c:\p\pub\baronm.dwg
 PROJECT: 74897
 OFFICE: D:\projects\74897\74897-01\74897-01.dwg

USER NAME = steffenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 200.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 4/1/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

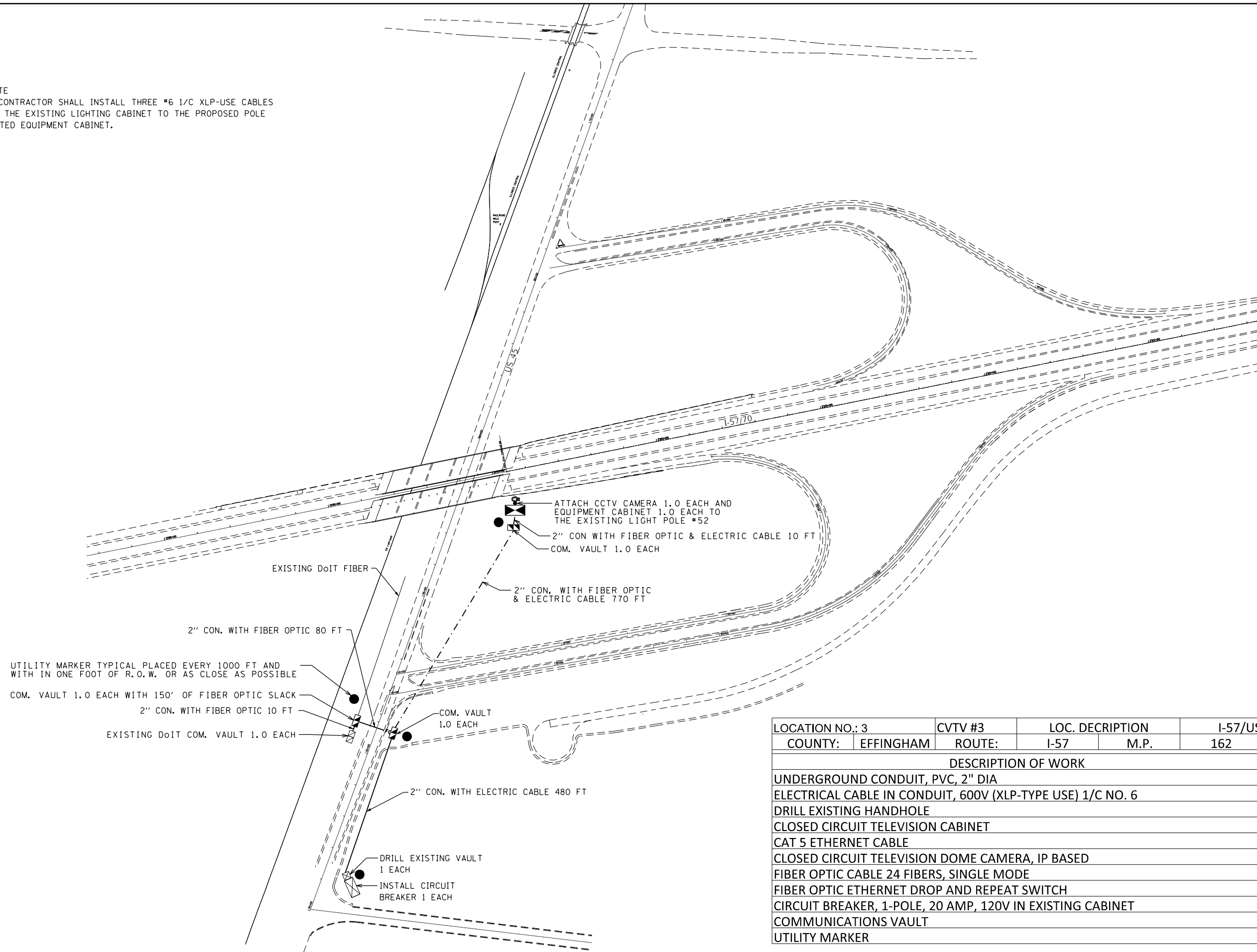
(CCTV LOCATION #2)
I-57 NB AND IL 16 INTERCHANGE M.P. STA. 790 + 00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D7 ITS 2020	VARIOUS	52	28
			CONTRACT NO. 74897	
ILLINOIS				

SCALE: SHEET OF SHEETS STA. TO STA.



• NOTE
 THE CONTRACTOR SHALL INSTALL THREE #6 1/C XLP-USE CABLES FROM THE EXISTING LIGHTING CABINET TO THE PROPOSED POLE MOUNTED EQUIPMENT CABINET.



LOCATION NO.: 3		CVTV #3	LOC. DESCRIPTION		I-57/US 45 INTERCHANGE			
COUNTY:	EFFINGHAM	ROUTE:	I-57	M.P.	162	DIRECTION	NB	
DESCRIPTION OF WORK							UNIT	QUANTITY
UNDERGROUND CONDUIT, PVC, 2" DIA							FOOT	1350.0
ELECTRICAL CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6							FOOT	3868.0
DRILL EXISTING HANDHOLE							EACH	1.0
CLOSED CIRCUIT TELEVISION CABINET							EACH	1.0
CAT 5 ETHERNET CABLE							FOOT	55.0
CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED							EACH	1.0
FIBER OPTIC CABLE 24 FIBERS, SINGLE MODE							FOOT	1040.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH							EACH	1.0
CIRCUIT BREAKER, 1-POLE, 20 AMP, 120V IN EXISTING CABINET							EACH	1.0
COMMUNICATIONS VAULT							EACH	3.0
UTILITY MARKER							EACH	4.0

MODEL: Default
 FILE: \\s:\cadd\p\pub\baronm.dwg
 PROJECT: 74897
 OFFICE: IDOT
 DATE: 4/1/2020

UTILITY MARKER TYPICAL PLACED EVERY 1000 FT AND WITH IN ONE FOOT OF R.O.W. OR AS CLOSE AS POSSIBLE

COM. VAULT 1.0 EACH WITH 150' OF FIBER OPTIC SLACK

2" CON. WITH FIBER OPTIC 10 FT

EXISTING DoIT COM. VAULT 1.0 EACH

2" CON. WITH FIBER OPTIC 80 FT

EXISTING DoIT FIBER

ATTACH CCTV CAMERA 1.0 EACH AND EQUIPMENT CABINET 1.0 EACH TO THE EXISTING LIGHT POLE #52

2" CON WITH FIBER OPTIC & ELECTRIC CABLE 10 FT
 COM. VAULT 1.0 EACH

2" CON. WITH FIBER OPTIC & ELECTRIC CABLE 770 FT

COM. VAULT 1.0 EACH

2" CON. WITH ELECTRIC CABLE 480 FT

DRILL EXISTING VAULT 1 EACH

INSTALL CIRCUIT BREAKER 1 EACH

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

(CCTV LOCATION #3)

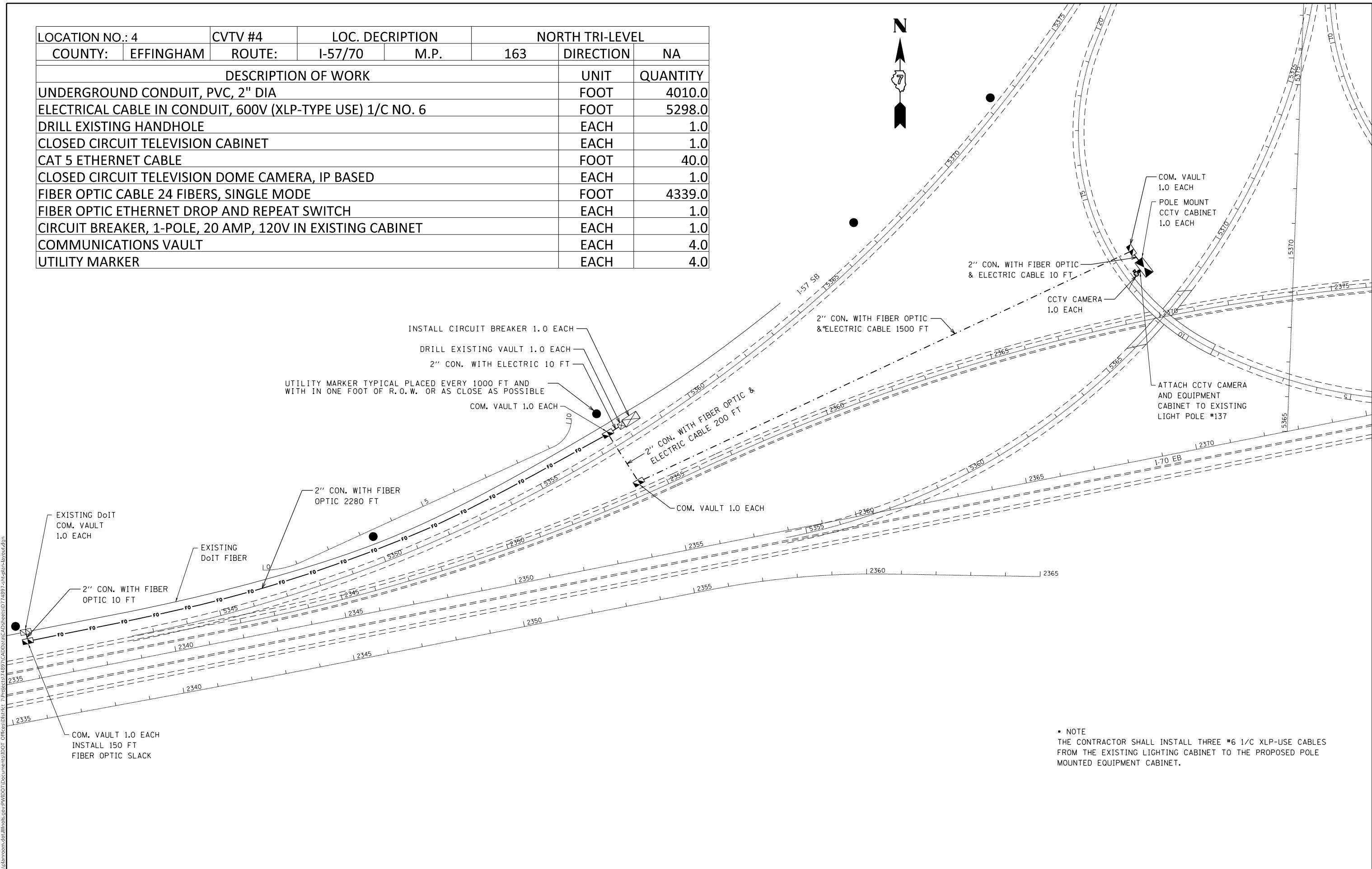
I-57/70 EB AND US 45 INTERCHANGE STA. 2295 + 50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR.	D7 ITS 2020	VARIOUS	52	29
CONTRACT NO. 74897				

SCALE: SHEET OF SHEETS STA. TO STA.

ILLINOIS

LOCATION NO.: 4		CVTV #4	LOC. DESCRIPTION		NORTH TRI-LEVEL		
COUNTY:	EFFINGHAM	ROUTE:	I-57/70	M.P.	163	DIRECTION	NA
DESCRIPTION OF WORK					UNIT	QUANTITY	
UNDERGROUND CONDUIT, PVC, 2" DIA					FOOT	4010.0	
ELECTRICAL CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6					FOOT	5298.0	
DRILL EXISTING HANDHOLE					EACH	1.0	
CLOSED CIRCUIT TELEVISION CABINET					EACH	1.0	
CAT 5 ETHERNET CABLE					FOOT	40.0	
CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED					EACH	1.0	
FIBER OPTIC CABLE 24 FIBERS, SINGLE MODE					FOOT	4339.0	
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH					EACH	1.0	
CIRCUIT BREAKER, 1-POLE, 20 AMP, 120V IN EXISTING CABINET					EACH	1.0	
COMMUNICATIONS VAULT					EACH	4.0	
UTILITY MARKER					EACH	4.0	



• NOTE
 THE CONTRACTOR SHALL INSTALL THREE #6 1/C XLP-USE CABLES FROM THE EXISTING LIGHTING CABINET TO THE PROPOSED POLE MOUNTED EQUIPMENT CABINET.

MODEL: Default
 FILE: Model: 74897.dwg
 PROJECT: 74897
 OFFICE: D:\Projects\74897\74897.dwg
 DATE: 4/1/2020

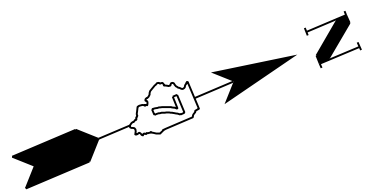
USER NAME =	stefenmk	DESIGNED -	REVISD -
PLOT SCALE =	200.0000' / in.	DRAWN -	REVISD -
PLOT DATE =	4/1/2020	CHECKED -	REVISD -
		DATE -	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

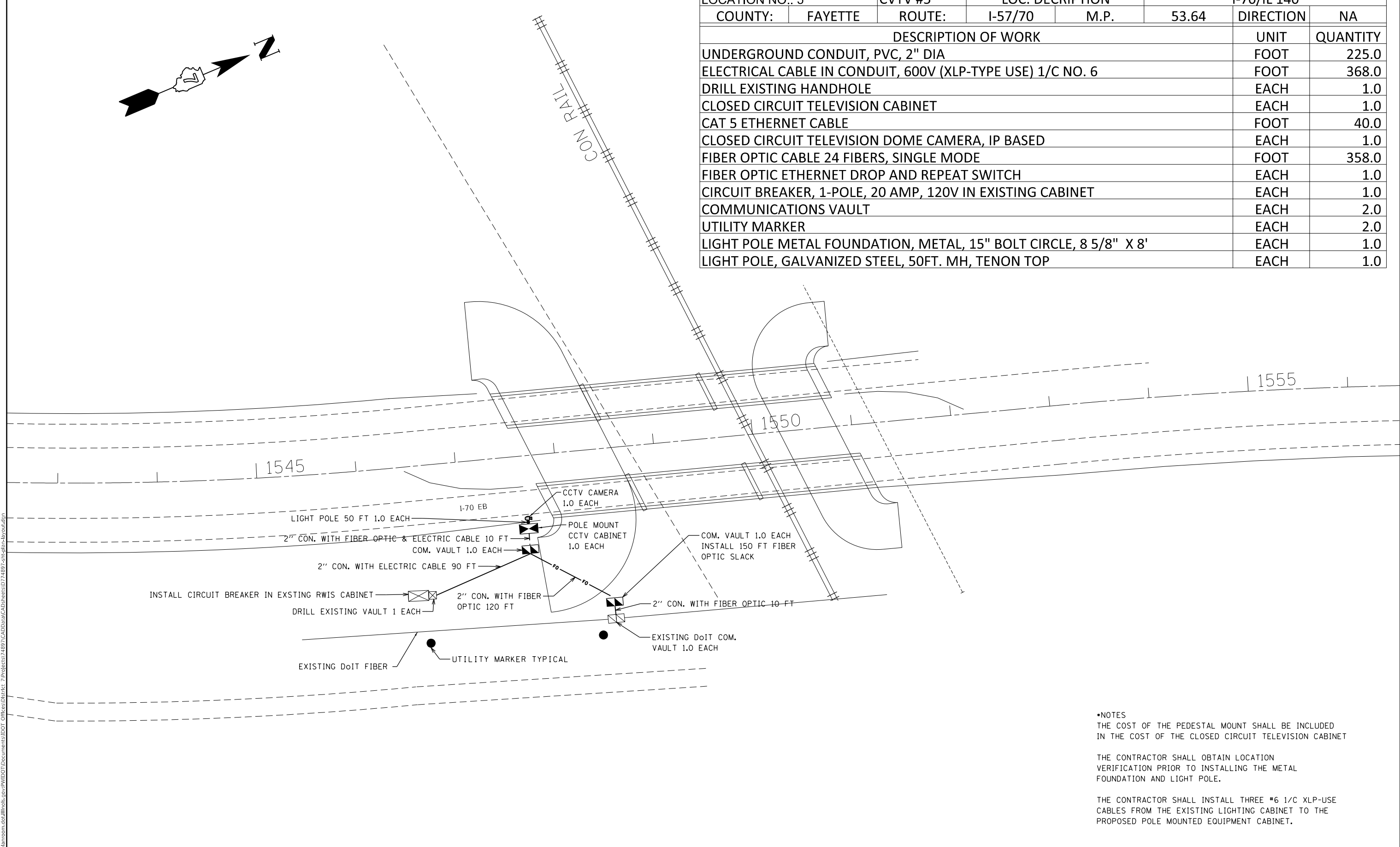
(CCTV LOCATION #4)
NORTH TRILEVEL AND I-57/70 INTERCHANGE EB STA. 2295 +50

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D7 ITS 2020	VARIOUS	52	30
ILLINOIS			CONTRACT NO. 74897	

SCALE: SHEET OF SHEETS STA. TO STA.



LOCATION NO.: 5		CVTV #5	LOC. DESCRIPTION		I-70/IL 140			
COUNTY:	FAYETTE	ROUTE:	I-57/70	M.P.	53.64	DIRECTION	NA	
DESCRIPTION OF WORK							UNIT	QUANTITY
UNDERGROUND CONDUIT, PVC, 2" DIA							FOOT	225.0
ELECTRICAL CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6							FOOT	368.0
DRILL EXISTING HANDHOLE							EACH	1.0
CLOSED CIRCUIT TELEVISION CABINET							EACH	1.0
CAT 5 ETHERNET CABLE							FOOT	40.0
CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED							EACH	1.0
FIBER OPTIC CABLE 24 FIBERS, SINGLE MODE							FOOT	358.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH							EACH	1.0
CIRCUIT BREAKER, 1-POLE, 20 AMP, 120V IN EXISTING CABINET							EACH	1.0
COMMUNICATIONS VAULT							EACH	2.0
UTILITY MARKER							EACH	2.0
LIGHT POLE METAL FOUNDATION, METAL, 15" BOLT CIRCLE, 8 5/8" X 8'							EACH	1.0
LIGHT POLE, GALVANIZED STEEL, 50FT. MH, TENON TOP							EACH	1.0



•NOTES
 THE COST OF THE PEDESTAL MOUNT SHALL BE INCLUDED IN THE COST OF THE CLOSED CIRCUIT TELEVISION CABINET

THE CONTRACTOR SHALL OBTAIN LOCATION VERIFICATION PRIOR TO INSTALLING THE METAL FOUNDATION AND LIGHT POLE.

THE CONTRACTOR SHALL INSTALL THREE #6 1/C XLP-USE CABLES FROM THE EXISTING LIGHTING CABINET TO THE PROPOSED POLE MOUNTED EQUIPMENT CABINET.

MODEL: Default
 FILE: \\bls01\p00\pub\harcourt\at\illinois\p00\p00\DOT\Documents\DOT_Offices\Default_7\Projects\74897\CADD\Drawings\DOT\74897-sched-plan-brow.dgn

USER NAME = steffenmk	DESIGNED -	REVISED -
PLOT SCALE = 200.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 4/1/2020	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

(CCTV LOCATION #5)
I-70 OVER IL 140 M.P. 53.64 STA. 1547 + 50

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D7 ITS 2020	VARIOUS	52	31
ILLINOIS			CONTRACT NO. 74897	

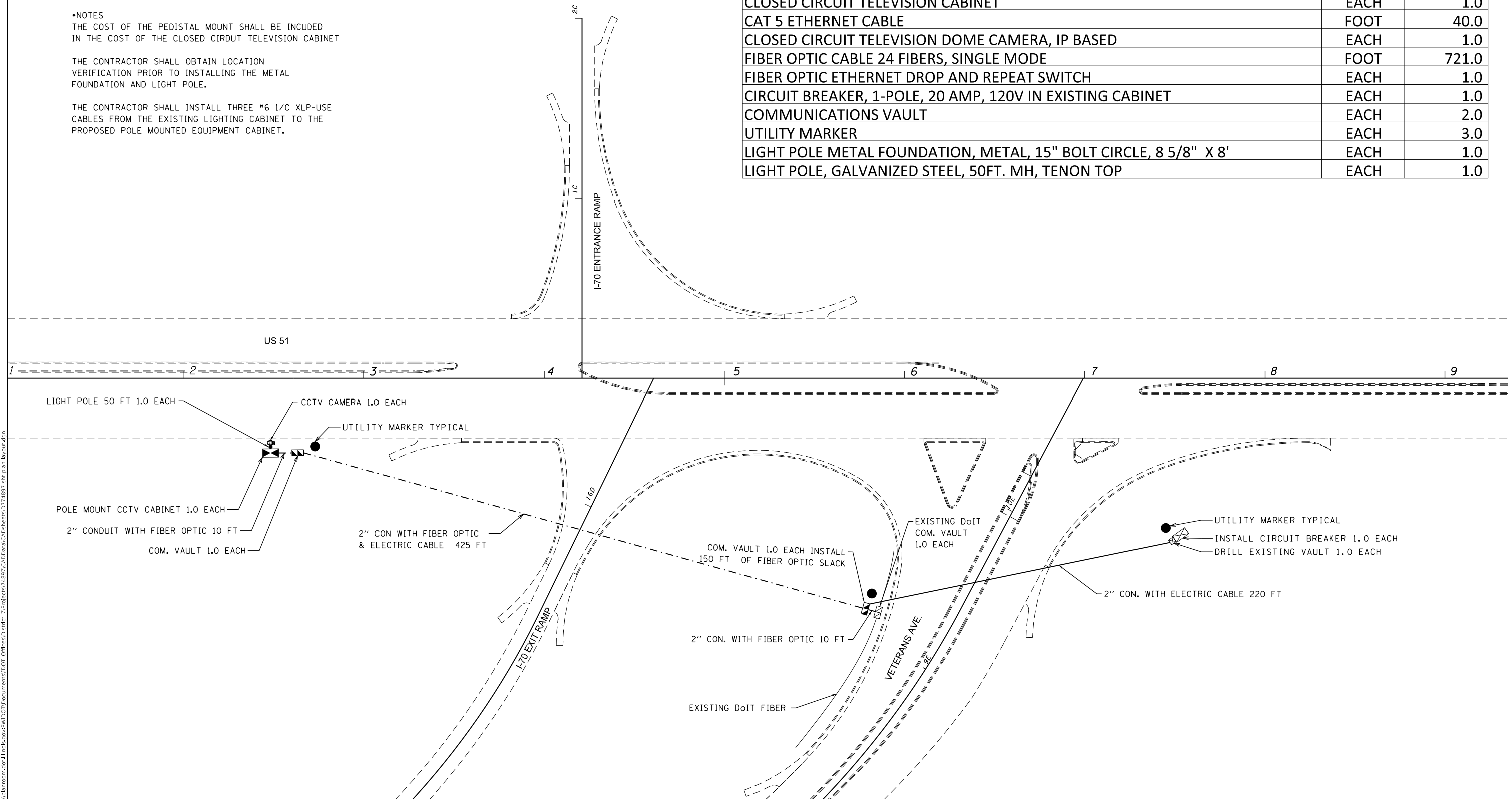


•NOTES
 THE COST OF THE PEDISTAL MOUNT SHALL BE INCLUDED
 IN THE COST OF THE CLOSED CIRCUIT TELEVISION CABINET

THE CONTRACTOR SHALL OBTAIN LOCATION
 VERIFICATION PRIOR TO INSTALLING THE METAL
 FOUNDATION AND LIGHT POLE.

THE CONTRACTOR SHALL INSTALL THREE #6 1/C XLP-USE
 CABLES FROM THE EXISTING LIGHTING CABINET TO THE
 PROPOSED POLE MOUNTED EQUIPMENT CABINET.

LOCATION NO.: 6		CVTV #6	LOC. DESCRIPTION		I-70/US 51		
COUNTY:	FAYETTE	ROUTE:	US 51	M.P.	63	DIRECTION	SB
DESCRIPTION OF WORK					UNIT	QUANTITY	
UNDERGROUND CONDUIT, PVC, 2" DIA					FOOT	630.0	
ELECTRICAL CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6					FOOT	2,024.0	
DRILL EXISTING HANDHOLE					EACH	1.0	
CLOSED CIRCUIT TELEVISION CABINET					EACH	1.0	
CAT 5 ETHERNET CABLE					FOOT	40.0	
CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED					EACH	1.0	
FIBER OPTIC CABLE 24 FIBERS, SINGLE MODE					FOOT	721.0	
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH					EACH	1.0	
CIRCUIT BREAKER, 1-POLE, 20 AMP, 120V IN EXISTING CABINET					EACH	1.0	
COMMUNICATIONS VAULT					EACH	2.0	
UTILITY MARKER					EACH	3.0	
LIGHT POLE METAL FOUNDATION, METAL, 15" BOLT CIRCLE, 8 5/8" X 8'					EACH	1.0	
LIGHT POLE, GALVANIZED STEEL, 50FT. MH, TENON TOP					EACH	1.0	



MODEL: Default
 FILE: \\blm1c:\pub\lhamroom\dat\illinois\pwr\WIDOT\Documents\DOT_Offices\lham1c\74897\CADD\lham1c\74897-she-dim-bj-04.dgn

USER NAME = steffenmk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 200.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 4/1/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

(CCTV LOCATION #6)
US 51 AND I-70 INTERCHANGE M.P. 63.0 STA. 2+50

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D7 ITS 2020	VARIOUS	52	32
			CONTRACT NO. 74897	

SCALE: SHEET OF SHEETS STA. TO STA.

ILLINOIS

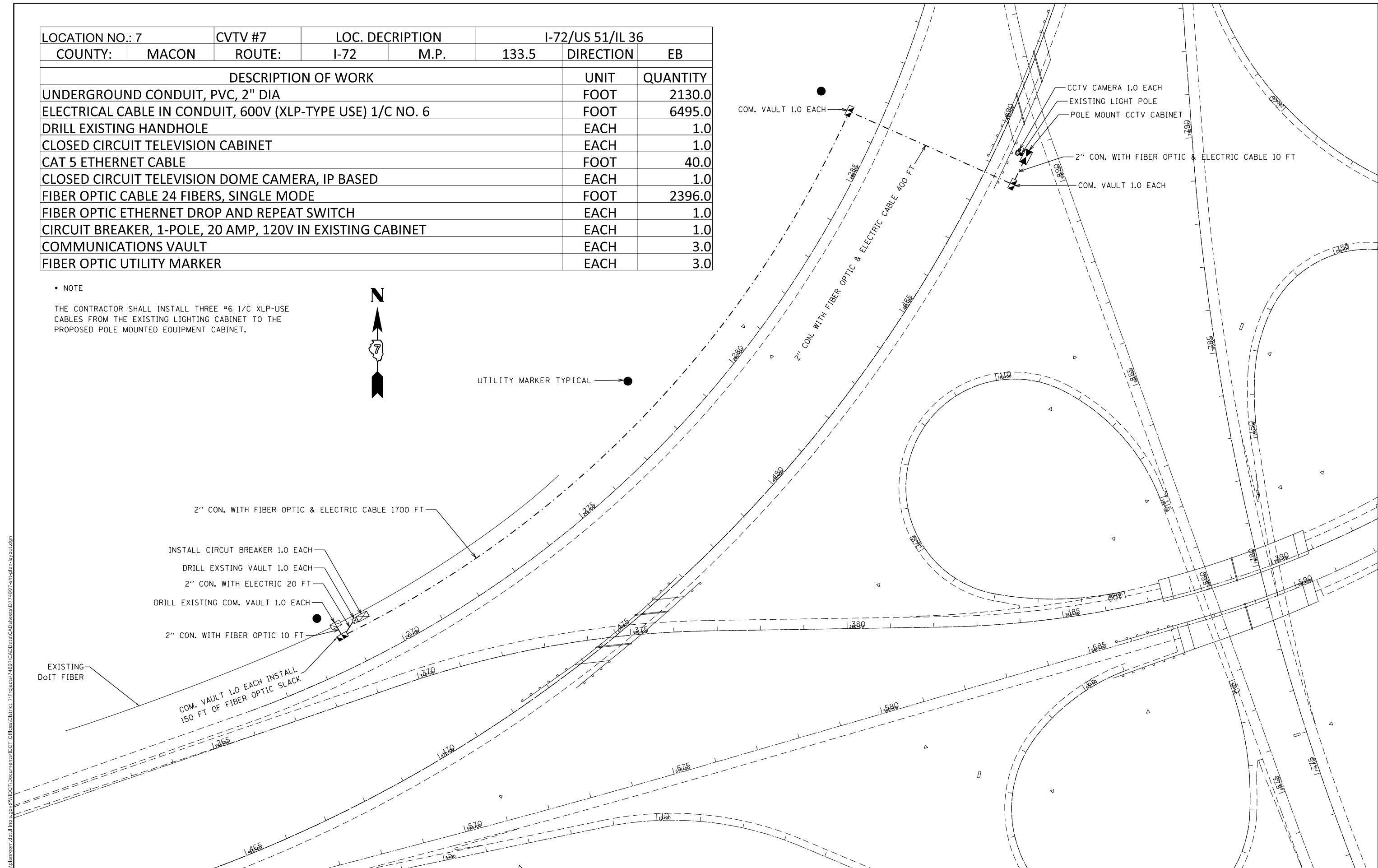
LOCATION NO.: 7		CVTV #7	LOC. DESCRIPTION		I-72/US 51/IL 36		
COUNTY:	MACON	ROUTE:	I-72	M.P.	133.5	DIRECTION	EB
DESCRIPTION OF WORK					UNIT	QUANTITY	
UNDERGROUND CONDUIT, PVC, 2" DIA					FOOT	2130.0	
ELECTRICAL CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6					FOOT	6495.0	
DRILL EXISTING HANDHOLE					EACH	1.0	
CLOSED CIRCUIT TELEVISION CABINET					EACH	1.0	
CAT 5 ETHERNET CABLE					FOOT	40.0	
CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED					EACH	1.0	
FIBER OPTIC CABLE 24 FIBERS, SINGLE MODE					FOOT	2396.0	
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH					EACH	1.0	
CIRCUIT BREAKER, 1-POLE, 20 AMP, 120V IN EXISTING CABINET					EACH	1.0	
COMMUNICATIONS VAULT					EACH	3.0	
FIBER OPTIC UTILITY MARKER					EACH	3.0	

• NOTE

THE CONTRACTOR SHALL INSTALL THREE #6 1/C XLP-USE CABLES FROM THE EXISTING LIGHTING CABINET TO THE PROPOSED POLE MOUNTED EQUIPMENT CABINET.



UTILITY MARKER TYPICAL → ●



MODEL: Default
 FILE: \\blm\c:\pub\baron\m.d\at\llnck\c\p\p\DOT\Documents\DOT_Offices\DOT.ctb
 PROJECT: 74897_CADD\DATA\CAD\sheet\74897-ctb\blm-brown.dgn

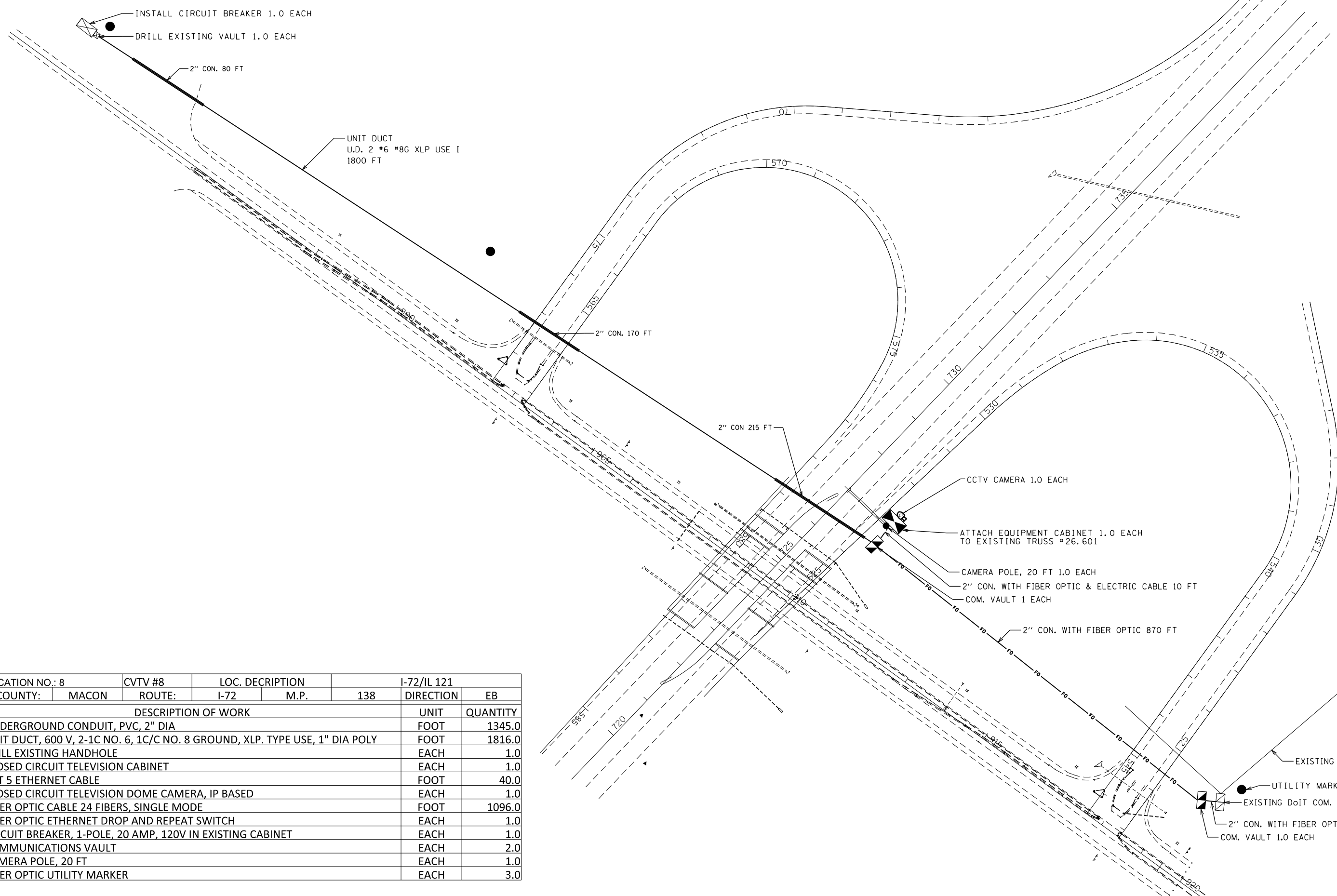
USER NAME = steffemk	DESIGNED -	REVISED -
PLOT SCALE = 200.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 4/1/2020	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

(CCTV LOCATION #7)
I-72, US 51, AND US 36 INTERCHANGE M.P. 133.47 SAT. 483 + 35

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D7 ITS 2020	VARIOUS	52	33
			CONTRACT NO. 74897	
ILLINOIS				

SCALE: SHEET OF SHEETS STA. TO STA.



LOCATION NO.: 8	CVTV #8	LOC. DESCRIPTION	I-72/IL 121
COUNTY: MACON	ROUTE: I-72	M.P. 138	DIRECTION EB
DESCRIPTION OF WORK		UNIT	QUANTITY
UNDERGROUND CONDUIT, PVC, 2" DIA		FOOT	1345.0
UNIT DUCT, 600 V, 2-1C NO. 6, 1C/C NO. 8 GROUND, XLP. TYPE USE, 1" DIA POLY		FOOT	1816.0
DRILL EXISTING HANDHOLE		EACH	1.0
CLOSED CIRCUIT TELEVISION CABINET		EACH	1.0
CAT 5 ETHERNET CABLE		FOOT	40.0
CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED		EACH	1.0
FIBER OPTIC CABLE 24 FIBERS, SINGLE MODE		FOOT	1096.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH		EACH	1.0
CIRCUIT BREAKER, 1-POLE, 20 AMP, 120V IN EXISTING CABINET		EACH	1.0
COMMUNICATIONS VAULT		EACH	2.0
CAMERA POLE, 20 FT		EACH	1.0
FIBER OPTIC UTILITY MARKER		EACH	3.0

USER NAME = steffemk	DESIGNED -	REVISED -
PLOT SCALE = 200.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 4/1/2020	CHECKED -	REVISED -
	DATE -	REVISED -

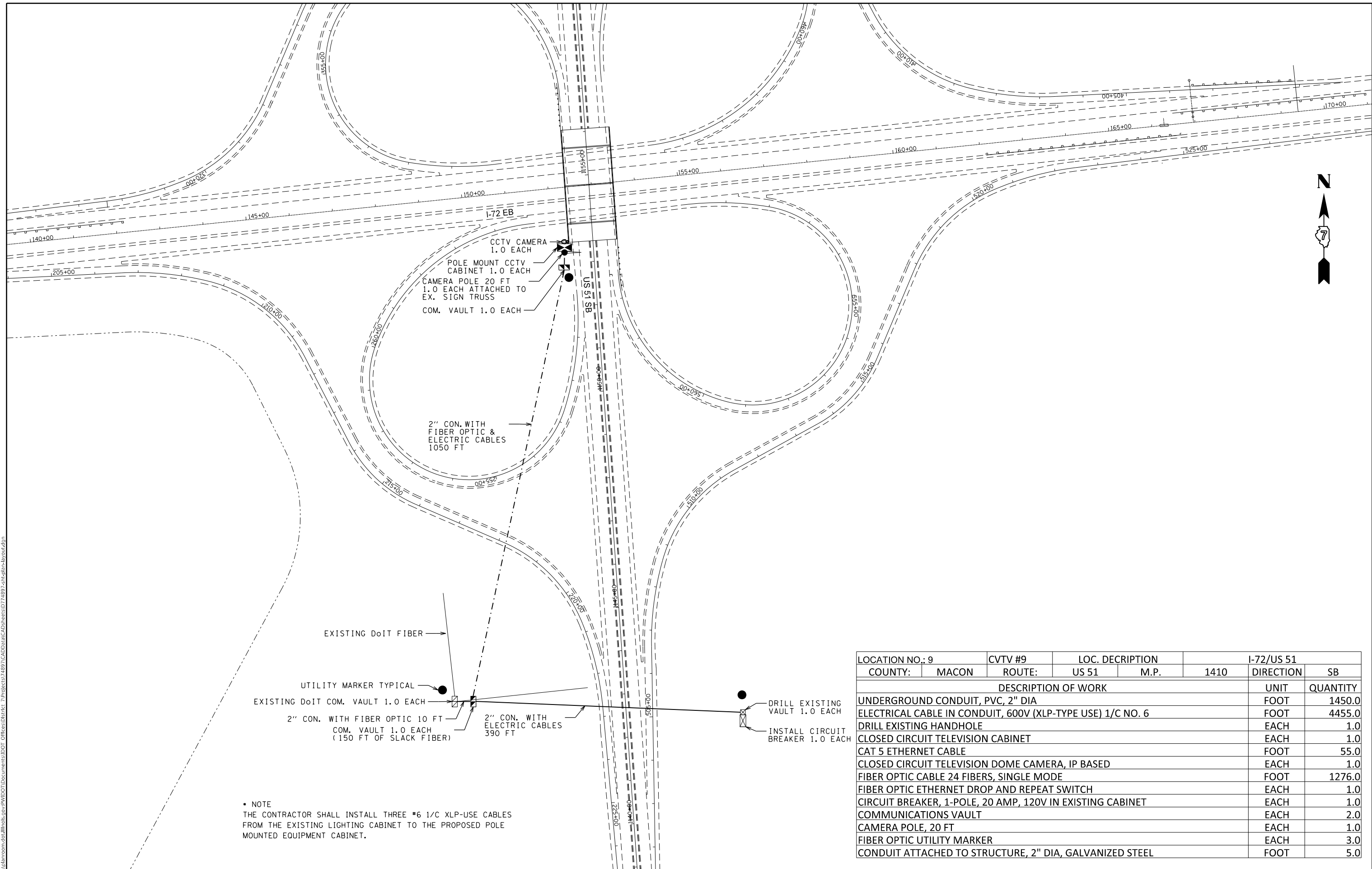
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

(CCTV LOCATION #8)
I-72 AND IL 121 INTERCHANGE M.P. 138.08 STA. 727 + 00

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D7 ITS 2020	VARIOUS	52	34
			CONTRACT NO. 74897	
ILLINOIS				

MODEL: Default
 FILE: Macos: /Users/steffemk/Desktop/Projects/74897/CADDData/CADDsheets/74897-she-dim-bj-ov-d.dgn
 PROJECT: 74897

MODEL: Default
 FILE: \\bls01c01\pub\baronm.dwg
 PROJECT: \\bls01c01\pub\DOT\Documents\DOT - Offices\District 7\Projects\74897\CADD\DATA\CAD\Drawings\74897-sht-cla-bj-04.dwg



• NOTE
 THE CONTRACTOR SHALL INSTALL THREE #6 1/C XLP-USE CABLES FROM THE EXISTING LIGHTING CABINET TO THE PROPOSED POLE MOUNTED EQUIPMENT CABINET.

LOCATION NO.:	CVTV #9	LOC. DESCRIPTION	I-72/US 51		
COUNTY:	MACON	ROUTE:	US 51	M.P.	
			1410	DIRECTION	
				SB	
DESCRIPTION OF WORK				UNIT	QUANTITY
UNDERGROUND CONDUIT, PVC, 2" DIA				FOOT	1450.0
ELECTRICAL CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6				FOOT	4455.0
DRILL EXISTING HANDHOLE				EACH	1.0
CLOSED CIRCUIT TELEVISION CABINET				EACH	1.0
CAT 5 ETHERNET CABLE				FOOT	55.0
CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED				EACH	1.0
FIBER OPTIC CABLE 24 FIBERS, SINGLE MODE				FOOT	1276.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH				EACH	1.0
CIRCUIT BREAKER, 1-POLE, 20 AMP, 120V IN EXISTING CABINET				EACH	1.0
COMMUNICATIONS VAULT				EACH	2.0
CAMERA POLE, 20 FT				EACH	1.0
FIBER OPTIC UTILITY MARKER				EACH	3.0
CONDUIT ATTACHED TO STRUCTURE, 2" DIA, GALVANIZED STEEL				FOOT	5.0

USER NAME =	steffenmk	DESIGNED -		REVISED -	
		DRAWN -		REVISED -	
PLOT SCALE =	200.0000' / in.	CHECKED -		REVISED -	
PLOT DATE =	4/1/2020	DATE -		REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

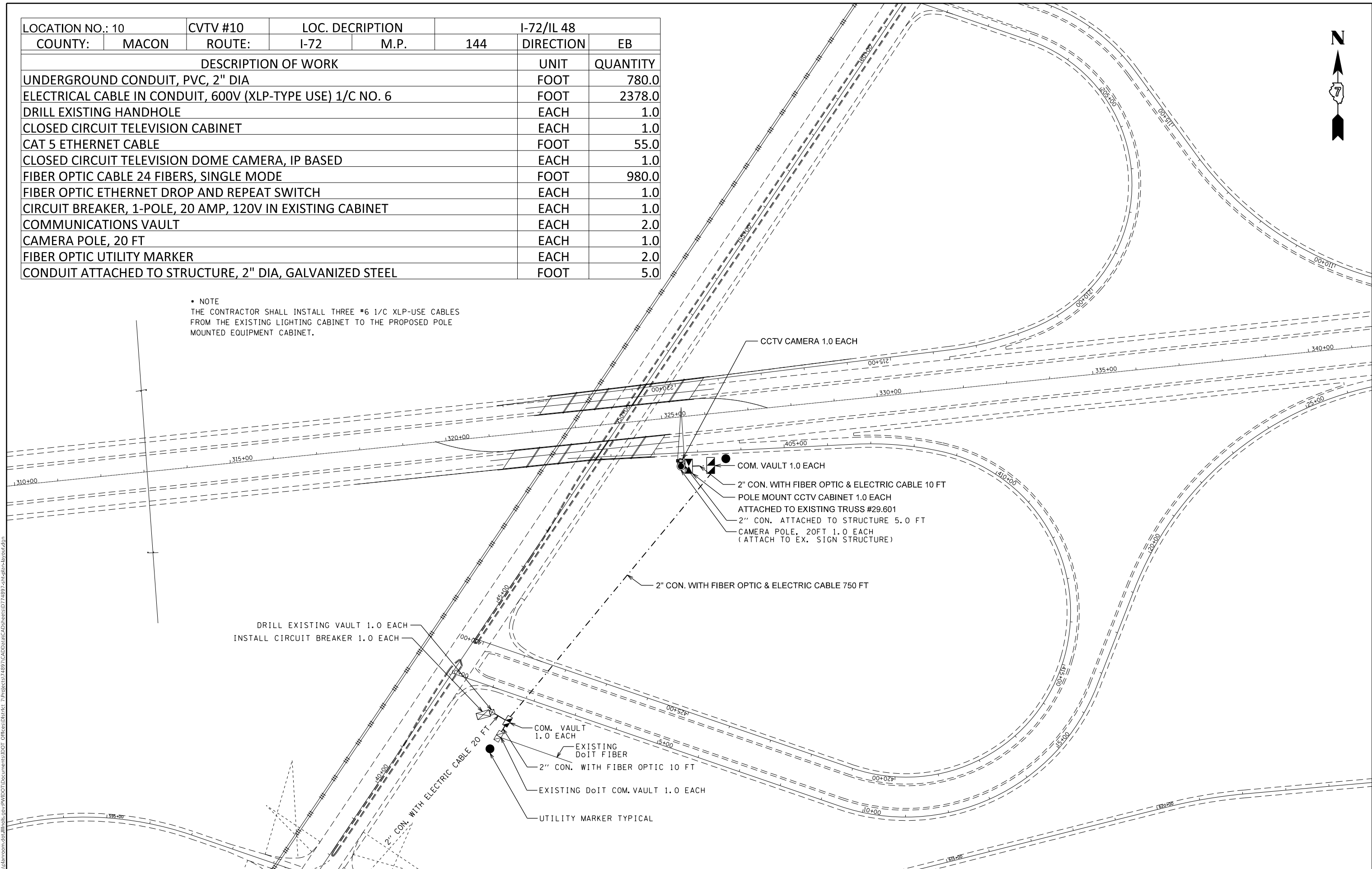
(CCTV LOCATION #9)
US 51 AND I-72 INTERCHANGE STA. 152 + 50

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D7 ITS 2020	VARIOUS	52	35
			CONTRACT NO. 74897	
ILLINOIS				

LOCATION NO.: 10	CVTV #10	LOC. DESCRIPTION		I-72/IL 48	
COUNTY: MACON	ROUTE:	I-72	M.P.	144	DIRECTION EB
DESCRIPTION OF WORK				UNIT	QUANTITY
UNDERGROUND CONDUIT, PVC, 2" DIA				FOOT	780.0
ELECTRICAL CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6				FOOT	2378.0
DRILL EXISTING HANDHOLE				EACH	1.0
CLOSED CIRCUIT TELEVISION CABINET				EACH	1.0
CAT 5 ETHERNET CABLE				FOOT	55.0
CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED				EACH	1.0
FIBER OPTIC CABLE 24 FIBERS, SINGLE MODE				FOOT	980.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH				EACH	1.0
CIRCUIT BREAKER, 1-POLE, 20 AMP, 120V IN EXISTING CABINET				EACH	1.0
COMMUNICATIONS VAULT				EACH	2.0
CAMERA POLE, 20 FT				EACH	1.0
FIBER OPTIC UTILITY MARKER				EACH	2.0
CONDUIT ATTACHED TO STRUCTURE, 2" DIA, GALVANIZED STEEL				FOOT	5.0

• NOTE
 THE CONTRACTOR SHALL INSTALL THREE #6 1/C XLP-USE CABLES FROM THE EXISTING LIGHTING CABINET TO THE PROPOSED POLE MOUNTED EQUIPMENT CABINET.



MODEL: Default
 FILE: \\nas01\pub\baronm.dwg
 PLOT DATE = 4/1/2020

USER NAME = steffenmk	DESIGNED -	REVISED -
PLOT SCALE = 200.0000' / in.	DRAWN -	REVISED -
PLOT DATE = 4/1/2020	CHECKED -	REVISED -
	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

(CCTV LOCATION #10)
I-72 AND IL 48 INTERCHANGE M.P. 144.44 STA. 325 + 50

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D7 ITS 2020	VARIOUS	52	36
			CONTRACT NO. 74897	
ILLINOIS				

SCALE: SHEET OF SHEETS STA. TO STA.



•NOTES

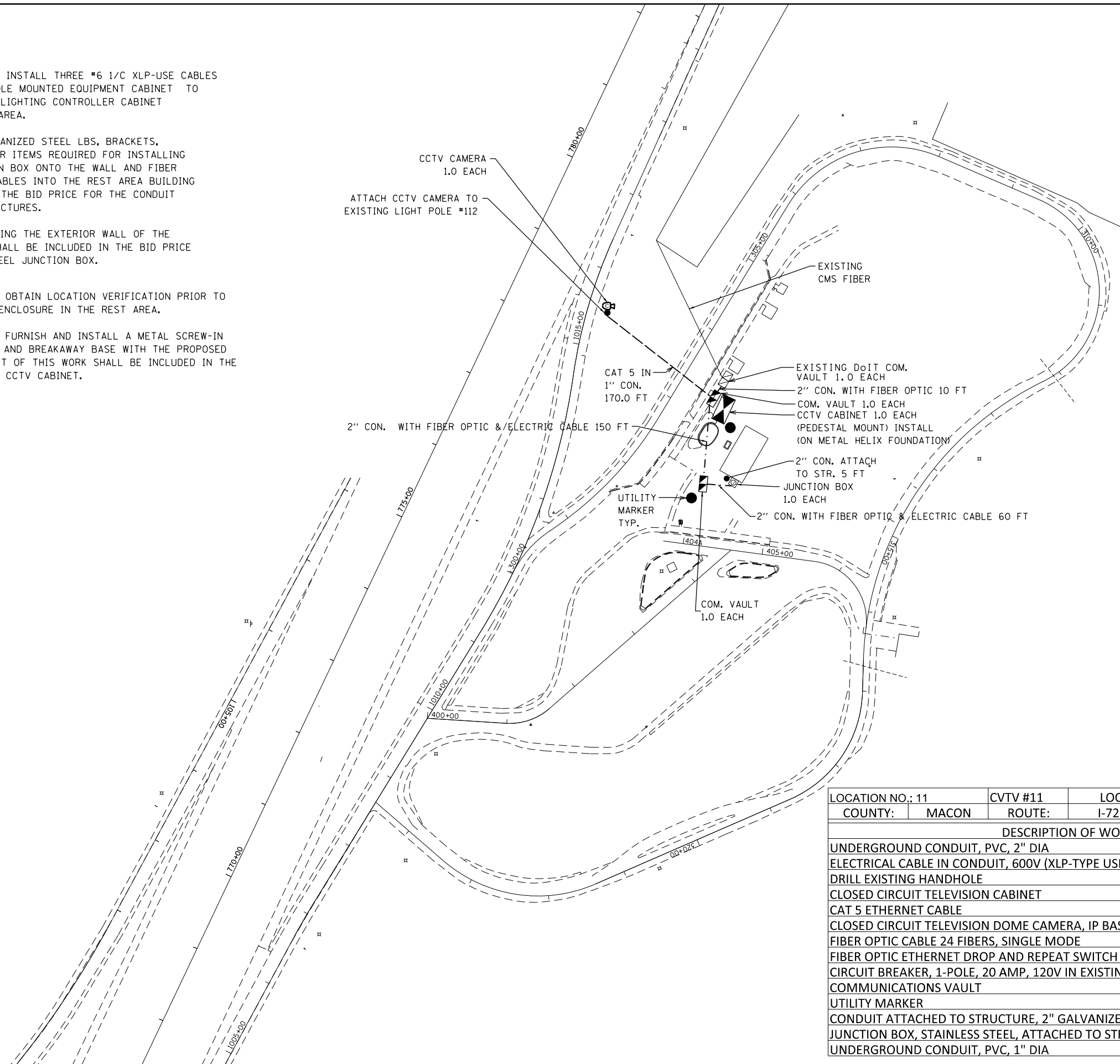
THE CONTRACTOR SHALL INSTALL THREE #6 1/C XLP-USE CABLES FROM THE PROPOSED POLE MOUNTED EQUIPMENT CABINET TO THE EXISTING HIGHWAY LIGHTING CONTROLLER CABINET LOCATED IN THE REST AREA.

THE COST OF THE GALVANIZED STEEL LBS, BRACKETS, HARWARE AND ALL OTHER ITEMS REQUIRED FOR INSTALLING THE PROPOSED JUNCTION BOX ONTO THE WALL AND FIBER OPTIC AND ELECTRIC CABLES INTO THE REST AREA BUILDING SHALL BE INCLUDED IN THE BID PRICE FOR THE CONDUIT ATTACHED TO THE STRUCTURES.

THE COST OF PENETRATING THE EXTERIOR WALL OF THE REST AREA BUILDING SHALL BE INCLUDED IN THE BID PRICE FOR THE STAINLESS STEEL JUNCTION BOX.

THE CONTRACTOR SHALL OBTAIN LOCATION VERIFICATION PRIOR TO INSTALLING THE FIBER ENCLOSURE IN THE REST AREA.

THE CONTRACTOR SHALL FURNISH AND INSTALL A METAL SCREW-IN FOUNDATION, PEDESTAL, AND BREAKAWAY BASE WITH THE PROPOSED CCTV CABINET. THE COST OF THIS WORK SHALL BE INCLUDED IN THE COST OF THE PROPOSED CCTV CABINET.



LOCATION NO.: 11		CVTV #11	LOC. DESCRIPTION		PRIDE OF THE PRAIRE REST AREA			
COUNTY:	MACON	ROUTE:	I-72	M.P.	153	DIRECTION	EB	
DESCRIPTION OF WORK							UNIT	QUANTITY
UNDERGROUND CONDUIT, PVC, 2" DIA							FOOT	220.0
ELECTRICAL CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6							FOOT	933.0
DRILL EXISTING HANDHOLE							EACH	0
CLOSED CIRCUIT TELEVISION CABINET							EACH	1.0
CAT 5 ETHERNET CABLE							FOOT	247.0
CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED							EACH	1.0
FIBER OPTIC CABLE 24 FIBERS, SINGLE MODE							FOOT	495.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH							EACH	2.0
CIRCUIT BREAKER, 1-POLE, 20 AMP, 120V IN EXISTING CABINET							EACH	1.0
COMMUNICATIONS VAULT							EACH	2.0
UTILITY MARKER							EACH	2.0
CONDUIT ATTACHED TO STRUCTURE, 2" GALVANIZED STEEL							FOOT	5.0
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12"X12"X6"							EACH	1.0
UNDERGROUND CONDUIT, PVC, 1" DIA							FOOT	170.0

MODEL: Default
 FILE: \\blm1c:\pub\baronm.dwg
 PROJECT: 74897\DOT\Documents\DOT - Office\Drawings\74897\CA00Data\CAD\Drawings\74897-she-draw-bayou.dwg

USER NAME = steffemk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 200.0000' / in.	CHECKED -	REVISED -
PLOT DATE = 4/1/2020	DATE -	REVISED -

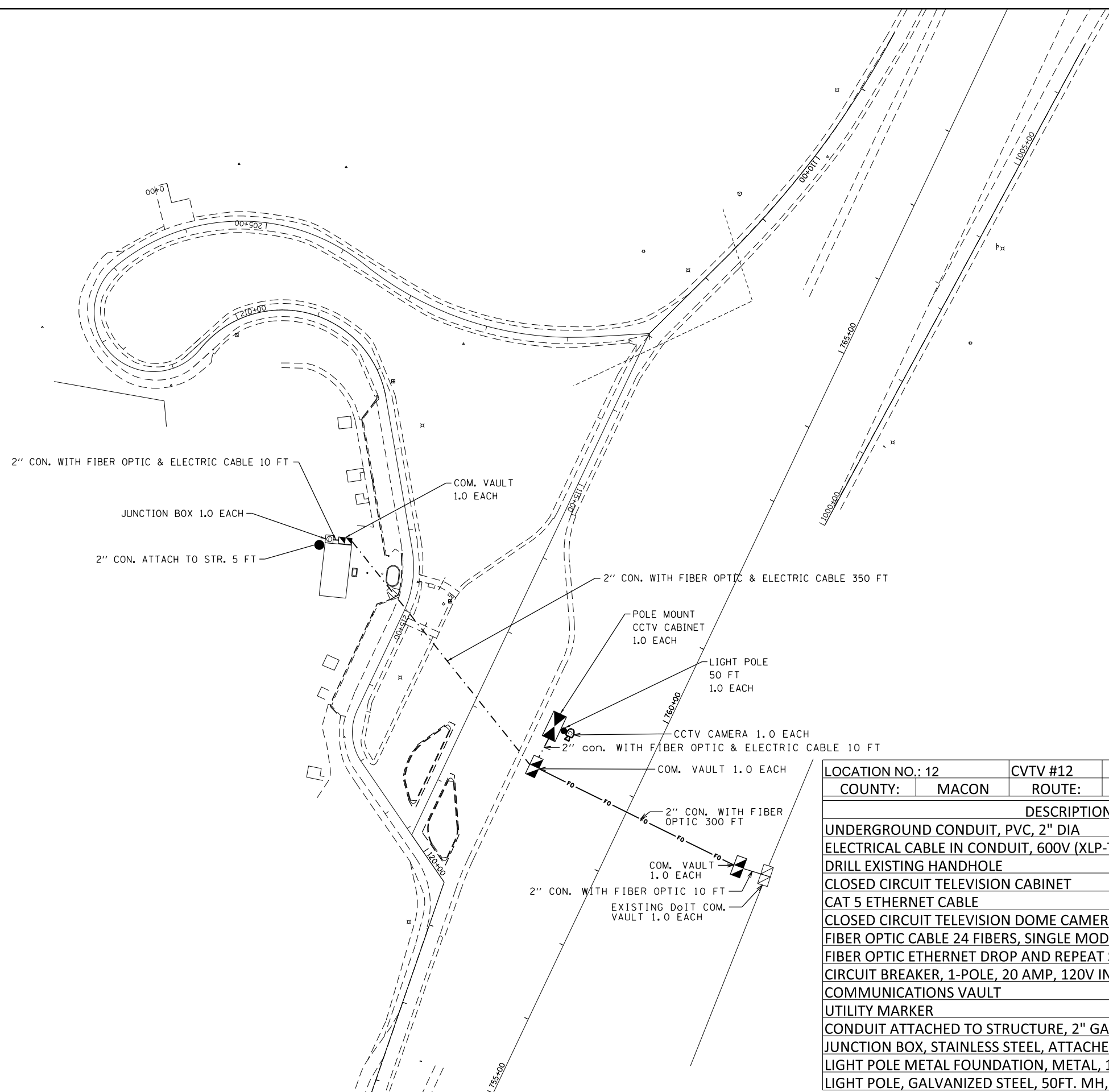
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

(CCTV LOCATION #11) PRIDE OF THE PRAIRE REST AREA
I-72 EB M.P. 152.97 STA. 778 + 25

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	D7 ITS 2020	VARIOUS	52	37
CONTRACT NO. 74897				

SCALE: SHEET OF SHEETS STA. TO STA.

ILLINOIS



•NOTES
 THE CONTRACTOR SHALL INSTALL THREE #6 1/C XLP-USE CABLES FROM THE PROPOSED POLE MOUNTED EQUIPMENT CABINET TO THE EXISTING HIGHWAY LIGHTING CONTROLLER CABINET LOCATED IN THE REST AREA.

THE COST OF THE GALVANIZED STEEL LBS, BRACKETS, HARWARE AND ALL OTHER ITEMS REQUIRED FOR INSTALLING THE PROPOSED JUNCTION BOX ONTO THE WALL AND FIBER OPTIC AND ELECTRIC CABLES INTO THE REST AREA BUILDING SHALL BE INCLUDED IN THE BID PRICE FOR THE CONDUIT ATTACHED TO THE STRUCTURES.

THE COST OF PENETRATING THE EXTERIOR WALL OF THE REST AREA BUILDING SHALL BE INCLUDED IN THE BID PRICE FOR THE STAINLESS STEEL JUNCTION BOX.

THE CONTRACTOR SHALL OBTAIN LOCATION VERIFICATION PRIOR TO INSTALLING THE FIBER ENCLOSURE IN THE REST AREA.

LOCATION NO.: 12	CVTV #12	LOC. DECIPTION	PRIDE OF THE PRAIRE REST AREA
COUNTY: MACON	ROUTE: I-72	M.P. 152.75	DIRECTION WB
DESCRIPTION OF WORK			UNIT
UNDERGROUND CONDUIT, PVC, 2" DIA			680.0
ELECTRICAL CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6			1,152.0
DRILL EXISTING HANDHOLE			0
CLOSED CIRCUIT TELEVISION CABINET			1.0
CAT 5 ETHERNET CABLE			40.0
CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED			1.0
FIBER OPTIC CABLE 24 FIBERS, SINGLE MODE			961.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH			2.0
CIRCUIT BREAKER, 1-POLE, 20 AMP, 120V IN EXISTING CABINET			1.0
COMMUNICATIONS VAULT			3.0
UTILITY MARKER			2.0
CONDUIT ATTACHED TO STRUCTURE, 2" GALVANIZED STEEL			5.0
JUNCTION BOX, STAINLESS STEEL, ATTACHED TO STRUCTURE, 12"X12"X6"			1.0
LIGHT POLE METAL FOUNDATION, METAL, 15" BOLT CIRCLE, 8 5/8" X 8'			1.0
LIGHT POLE, GALVANIZED STEEL, 50FT. MH, TENON TOP			1.0

MODEL: Default
 FILE: \\bls01\pub\baronon.dwg
 PROJECT: 74897\CAAD\Drawings\DOT - Office\Drawings\74897-510-01-01-01.dwg

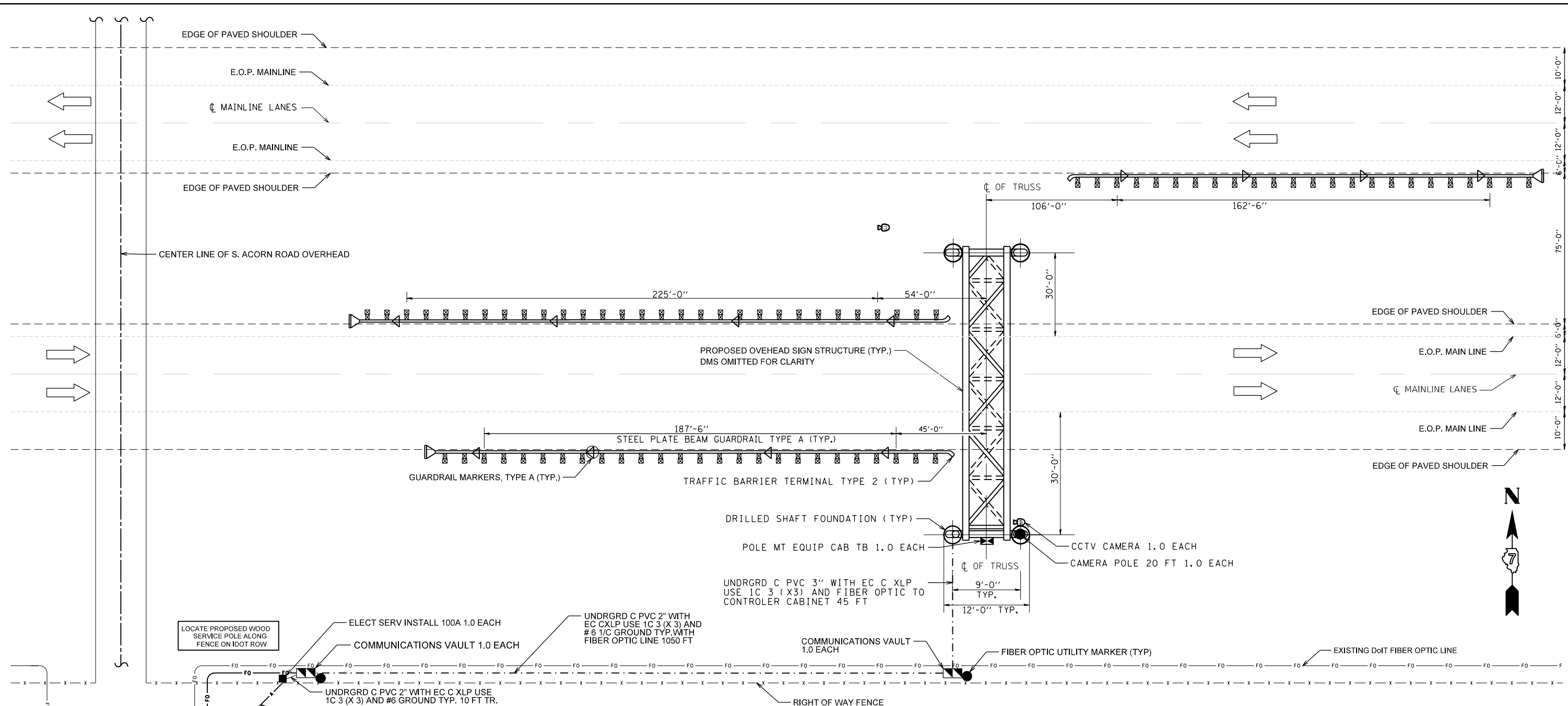
USER NAME = steffemk	DESIGNED -	REVISD -
PLOT SCALE = 200.0000' / in.	DRAWN -	REVISD -
PLOT DATE = 4/1/2020	CHECKED -	REVISD -
	DATE -	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

(CCTV LOCATION #12) PRIDE OF THE PRAIRE REST AREA
I-72 WB M.P. 152.62 STA. 759 + 50

F.A.J RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D7 ITS 2020	VARIOUS	52	38
			CONTRACT NO. 74897	
ILLINOIS				

SCALE: SHEET OF SHEETS STA. TO STA.



LOCATE PROPOSED WOOD SERVICE POLE ALONG FENCE ON IDOT ROW

NOTES:

THE CONTRACTOR SHALL SUBMIT COMPLETE ELECTRICAL DESIGN DETAILS AND CALCULATIONS SEALED BY AN ILLINOIS LICENSED ELECTRICAL ENGINEER TO THE RESIDENT ENGINEER FOR REVIEW AND APPROVAL PRIOR TO THE ORDERING OF ANY MATERIALS.

THE CONTRACTOR SHALL INSTALL THE PROPOSED COMMUNICATIONS VAULT OVER THE EXISTING CONDUIT. THE COST OF INTERCEPTING THE EXISTING CONDUIT SHALL BE INCLUDED IN THE BID PRICE FOR THE COMMUNICATIONS VAULT.

FIBER OPTIC CABLE SHALL BE SPLICED BY A CONTRACTOR DESIGNATED BY DOIT. LATERALLY FUSION SPLICE SIX SINGLEMODE FIBERS FROM THE EXISTING CMS FIBER OPTIC CABLE TO CREATE A LINK TO THE PROPOSED DYNAMIC MESSAGE SIGN. THE SIX FIBERS SHALL BE TERMINATED WITH ST CONNECTORS INSIDE THE PROPOSED POLE MOUNTED EQUIPMENT CABINET TYPE B AT THE SIGN STRUCTURE. THIS WORK SHALL BE PAID FOR UNDER ARTICLE 109.05 OF THE STANDARD SPECIFICATIONS.

LOCATION NO.:	CVTV #13	LOC. DESCRIPTION	I-72 DMS LOCATION 13	
COUNTY:	MACON	ROUTE: I-72	M.P.	125.47
DESCRIPTION OF WORK		UNIT	QUANTITY	
UNDERGROUND CONDUIT, PVC, 2" DIA		FOOT	1340.0	
UNDERGROUND CONDUIT, PVC, 3" DIA		FOOT	45.0	
ELECTRIC SERVICE INSTALLATION		EACH	1.0	
ELECTRICAL CABLE IN CONDUIT, SERVICE, NO. 3 1C		FOOT	3439.0	
ELECTRICAL CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6		FOOT	1140.0	
POLE MOUNTED EQUIPMENT CABINET, TYPE B		EACH	1.0	
TRUSS MOUNTED LED DYNAMIC MESSAGE SIGN		EACH	1.0	
FIBER OPTIC CABLE 24 FIBERS, SINGLE MODE		FOOT	1728.0	
DRILL EXISTING HANDHOLE		EACH	0.0	
CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED		EACH	1.0	
CAT 5 ETHERNET CABLE		FOOT	40.0	
COMMUNICATIONS VAULT		EACH	4.0	
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH		EACH	1.0	
CAMERA POLE, 20 FT		EACH	1.0	
STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POST		FOOT	575.0	
TRAFFIC BARRIER TERMINAL, TYPE 2		EACH	3.0	
TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT		EACH	3.0	
GUARDRAIL MARKERS, TYPE A		EACH	12.0	
TERMINAL MARKER - DIRECT APPLIED		EACH	3.0	
FIBER OPTIC UTILITY MARKER		EACH	3.0	

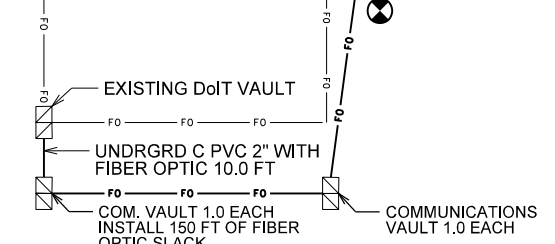
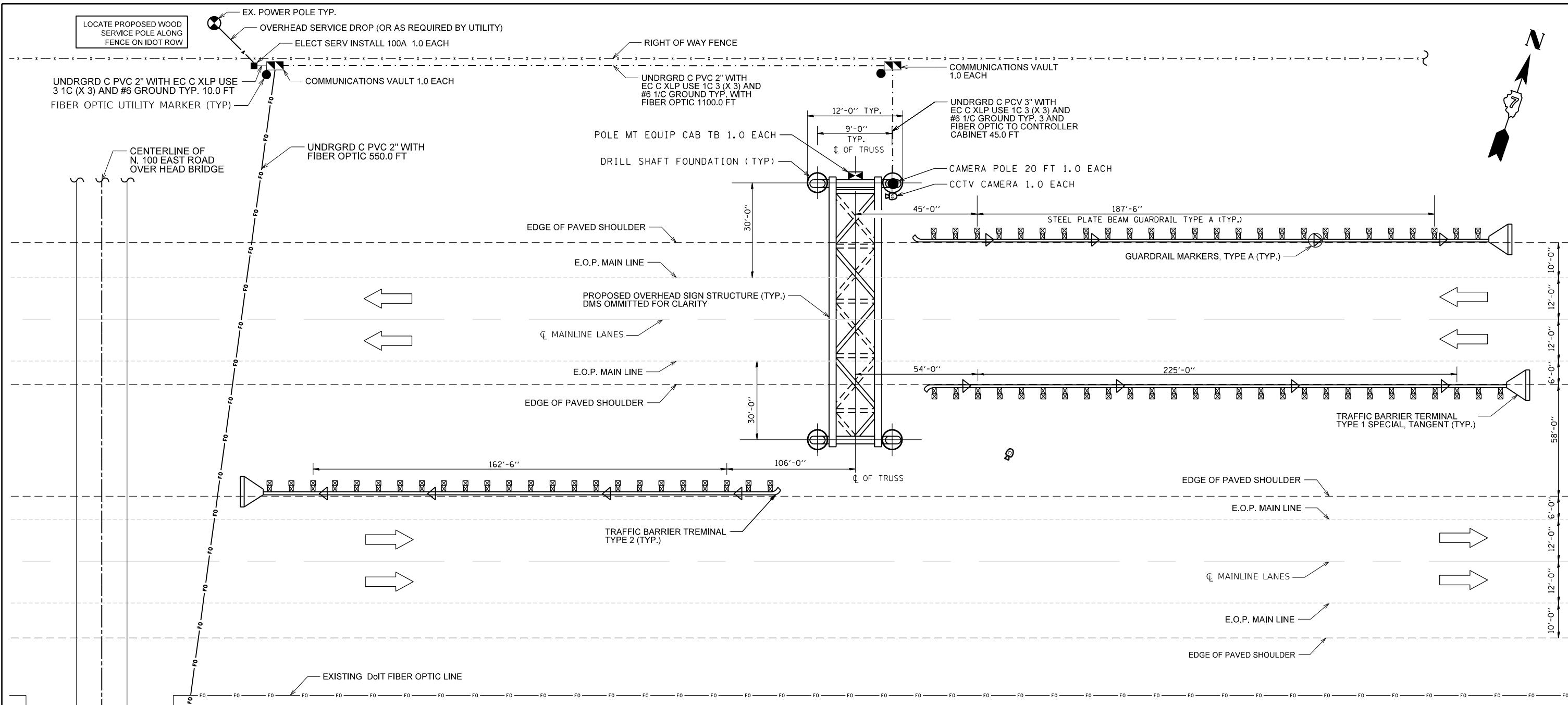
FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED -
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 7\Projects\74897\DRAWING\CADsheets\0774897-sht-plan-layout		CHECKED -	REVISED -
Default	PLOT DATE = 4/1/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED DMS INSTALLATION (LOCATION 13)
MACON COUNTY I-72 EB M.P. 125.47 STA. 64 + 63**

SCALE: NTS SHEET OF SHEETS STA. TO STA.

F.A.I R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	07 ITS 2020	VARIOUS	52	39
			CONTRACT NO. 74897	
ILLINOIS				



NOTES:

THE CONTRACTOR SHALL SUBMIT COMPLETE ELECTRICAL DESIGN DETAILS AND CALCULATIONS SEALED BY AN ILLINOIS LICENSED ELECTRICAL ENGINEER TO THE RESIDENT ENGINEER FOR REVIEW AND APPROVAL PRIOR TO THE ORDERING OF ANY MATERIALS.

THE CONTRACTOR SHALL INSTALL THE PROPOSED COMMUNICATIONS VAULT OVER THE EXISTING CONDUIT. THE COST OF INTERCEPTING THE EXISTING CONDUIT SHALL BE INCLUDED IN THE BID PRICE FOR THE COMMUNICATIONS VAULT.

FIBER OPTIC CABLE SHALL BE SPLICED BY A CONTRACTOR DESIGNATED BY DOIT. LATERALLY FUSION SPLICE SIX SINGLEMODE FIBERS FROM THE EXISTING CMS FIBER OPTIC CABLE TO CREATE A LINK TO THE PROPOSED DYNAMIC MESSAGE SIGN. THE SIX FIBERS SHALL BE TERMINATED WITH ST CONNECTORS INSIDE THE PROPOSED POLE MOUNTED EQUIPMENT CABINET TYPE B AT THE SIGN STRUCTURE. THIS WORK SHALL BE PAID FOR UNDER ARTICLE 109.05 OF THE STANDARD SPECIFICATIONS.

LOCATION NO.:	CVTV #14	LOC. DESCRIPTION	I-72 DMS LOCATION # 14	
COUNTY:	PIATT	ROUTE:	I-72	M.P.
			157.15	DIRECTION
				WB
DESCRIPTION OF WORK				
UNDERGROUND CONDUIT, PVC, 2" DIA			UNIT	QUANTITY
UNDERGROUND CONDUIT, PVC, 3" DIA			FOOT	1670.0
ELECTRIC SERVICE INSTALLATION			EACH	1.0
ELECTRICAL CABLE IN CONDUIT, SERVICE, NO. 3 1C			FOOT	3599.0
ELECTRICAL CABLE IN CONDUIT, 600V (XLP-TYPE USE) 1/C NO. 6			FOOT	1199.0
POLE MOUNTED EQUIPMENT CABINET, TYPE B			EACH	1.0
TRUSS MOUNTED LED DYNAMIC MESSAGE SIGN			EACH	1.0
FIBER OPTIC CABLE 24 FIBERS, SINGLE MODE			FOOT	2043.0
DRILL EXISTING HANDHOLE			EACH	0.0
CLOSED CIRCUIT TELEVISION DOME CAMERA, IP BASED			EACH	1.0
CAT 5 ETHERNET CABLE			FOOT	40.0
COMMUNICATIONS VAULT			EACH	4.0
FIBER OPTIC ETHERNET DROP AND REPEAT SWITCH			EACH	1.0
CAMERA POLE, 20 FT			EACH	1.0
STEEL PLATE BEAM GUARDRAIL, TYPE A, 6 FOOT POST			FOOT	575.0
TRAFFIC BARRIER TERMINAL, TYPE 2			EACH	3.0
TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT			EACH	3.0
GUARDRAIL MARKERS, TYPE A			EACH	12.0
TERMINAL MARKER - DIRECT APPLIED			EACH	3.0
FIBER OPTIC UTILITY MARKER			EACH	2.0

GENERAL NOTES

DESIGN: AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires and Traffic Signals. ("AASHTO Specifications")

CONSTRUCTION: Current (at time of letting) Illinois Department of Transportation Standard Specifications for Road and Bridge Construction, Supplemental Specifications and Special Provisions. ("Standard Specifications")

LOADING: 90 M.P.H. WIND VELOCITY

WALKWAY LOADING: Dead load plus 500 lbs. concentrated live load.

DESIGN STRESSES:
Field Units
F_c = 3,500 p.s.i.
f_y = 60,000 p.s.i. (reinforcement)

WELDING: All welds to be continuous unless otherwise shown. All welding to be done in accordance with current AWS D1.1 and D1.2 Structural Welding Codes (Steel and Aluminum) and the Standard Specifications.

MATERIALS: Aluminum Alloys as shown throughout plans. All Structural Steel Pipe shall be ASTM A53 Grade B or A500 Grade B or C. If A500 pipe is substituted for A53, then the outside diameter shall be as detailed and wall thickness greater than or equal to A53. All Structural Steel Plates and Shapes shall conform to AASHTO M270 Gr. 36, Gr. 50 or Gr. 50W*. Stainless steel for shims, sleeves and handhole covers shall be ASTM A240, Type 302 or 304, or another alloy suitable for exterior exposure and acceptable to the Engineer.

The steel pipe and stiffening ribs at the base plate for the column shall have a minimum longitudinal Charpy V-Notch (CVN) energy of 15 lb.-ft. at 40° F. (Zone 2) before galvanizing.

FASTENERS FOR ALUMINUM TRUSSES: All bolts noted as "high strength" must satisfy the requirements of AASHTO M164 (ASTM A325), or approved alternate, and must have matching lock nuts. Threaded studs for splices (if Members interfere) must satisfy the requirements of ASTM A449, ASTM A193, Grade B7, or approved alternate, and must have matching lock nuts. Bolts and lock nuts not required to be high strength must satisfy the requirements of ASTM A307. All bolts and lock nuts must be hot dip galvanized per AASHTO M232. The lock nuts must have nylon or steel inserts. A stainless steel flat washer conforming to ASTM A240 Type 302 or 304, is required under both head and nut or under both nuts where threaded studs are used. High strength bolt installation shall conform to Article 505.04 (f) (2)d of the IDOT Standard Specifications for Road and Bridge Construction. Rotational capacity ("ROCAP") testing of bolts will not be required.

U-BOLTS AND EYEBOLTS: U-Bolts and Eyebolts must be produced from ASTM A276 Type 304, 304L, 316 or 316L, Condition A, cold finished stainless steel, or an equivalent material acceptable to the Engineer. All nuts for U-Bolts and Eyebolts must be lock nuts equivalent to ASTM A307 with nylon or steel inserts and hot dip galvanized per AASHTO M232. A stainless steel flat washer conforming to ASTM A240, Type 302 or 304, is required under each U-Bolt and Eyebolt lock nut.

GALVANIZING: All Steel Grating, Plates, Shapes and Pipe shall be Hot Dip Galvanized after fabrication in accordance with AASHTO M111. Painting is not permitted.

ANCHOR RODS: Shall conform to ASTM F1554 Gr. 105.

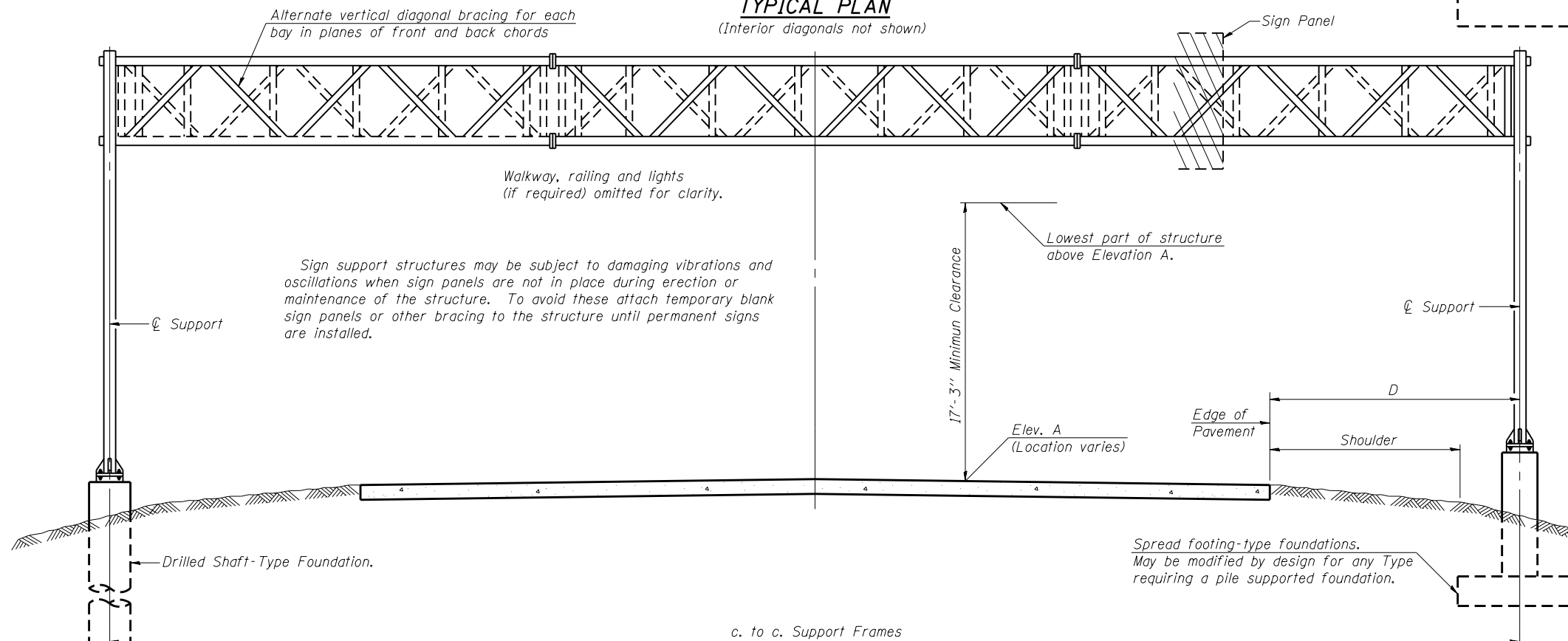
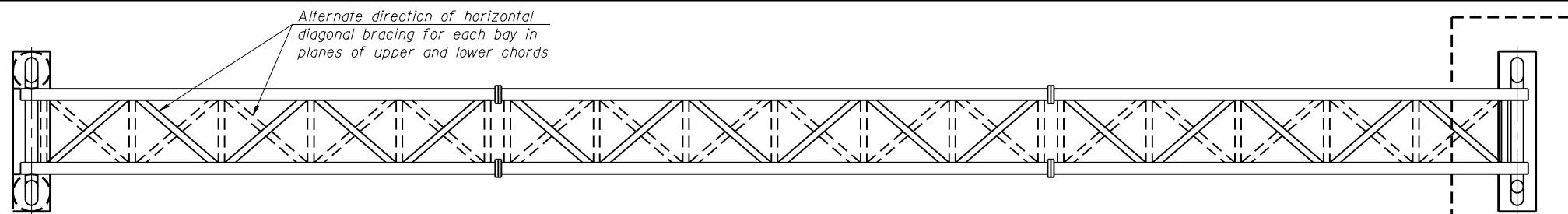
CONCRETE SURFACES: All concrete surfaces above an elevation 6" below the lowest final ground line at each foundation shall be cleaned and coated with Bridge Seat Sealer in accordance with the Standard Specifications.

REINFORCEMENT BARS: Reinforcement Bars designated (E) shall be epoxy coated in accordance with the Standard Specifications.

FOUNDATIONS: The contract unit price for Concrete Foundations and Drilled Shaft Concrete Foundations shall include reinforcement bars complete in place.

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
OVERHEAD SIGN STRUCTURE SPAN TYPE I-A	Foot	-
OVERHEAD SIGN STRUCTURE SPAN TYPE II-A	Foot	-
OVERHEAD SIGN STRUCTURE SPAN TYPE III-A	Foot	168
OVERHEAD SIGN STRUCTURE WALKWAY TYPE A	Foot	-
CONCRETE FOUNDATIONS	Cu. Yds.	-
DRILLED SHAFT CONCRETE FOUNDATIONS	Cu. Yds.	58.2



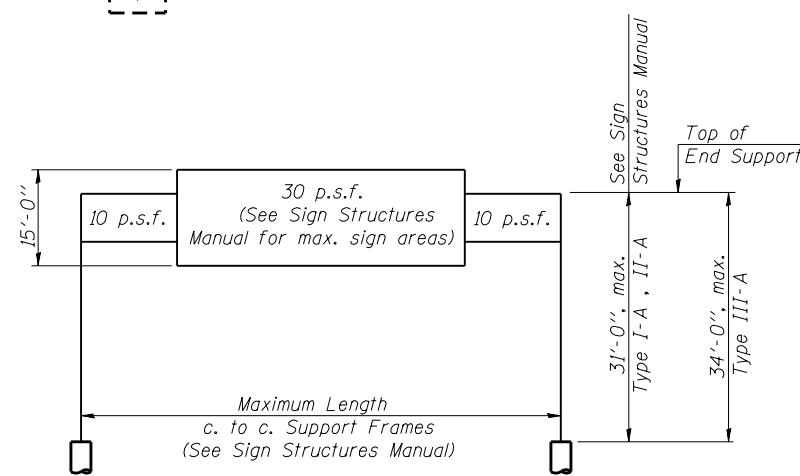
TYPICAL ELEVATION
(Looking at Face of Signs**)

Elev. A = Elevation at point of minimum clearance to sign, walkway support or truss.

Structure Number	Station	Design Truss Type	c. to c. Supports	Elev. A	Dim. D	Height of Tallest Sign	Total Sign Area
7S0581072R125.5	64+63	III-A	84'-0"	100'-0"	30'-0" RT 30'-0" LT	10'-0"	300 Sq Ft
7S0741072L157.2	999+24	III-A	84'-0"	100'-0"	30'-0" RT 30'-0" LT	10'-0"	300 Sq Ft

**Looking upstation for structures with signs both sides.

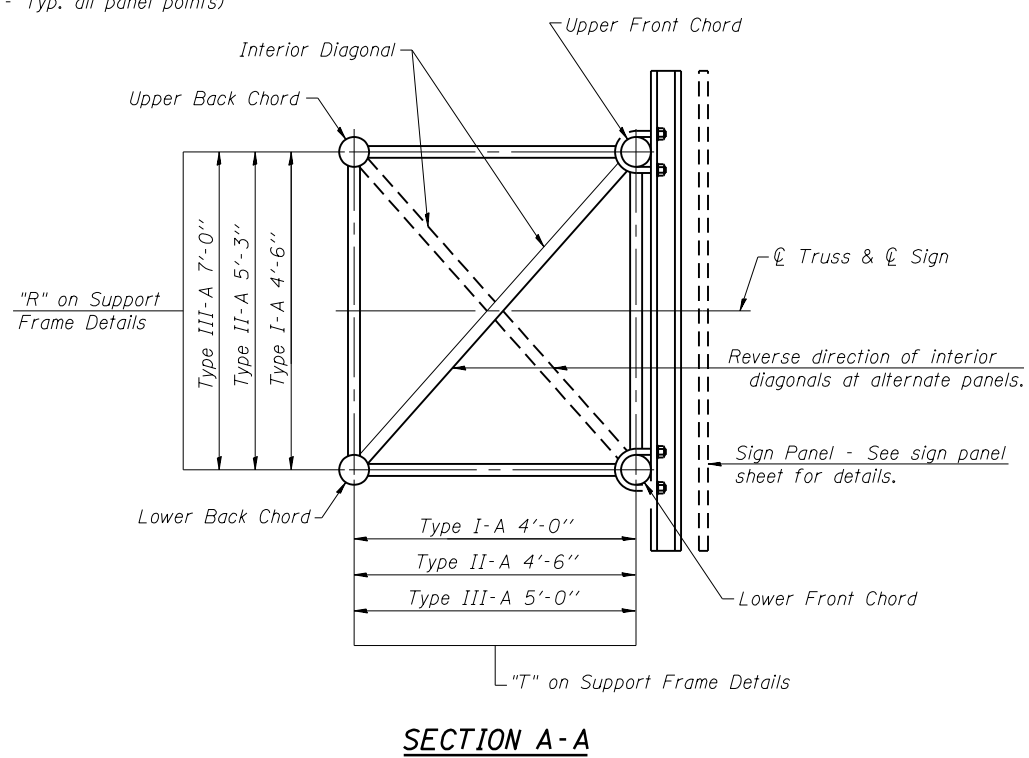
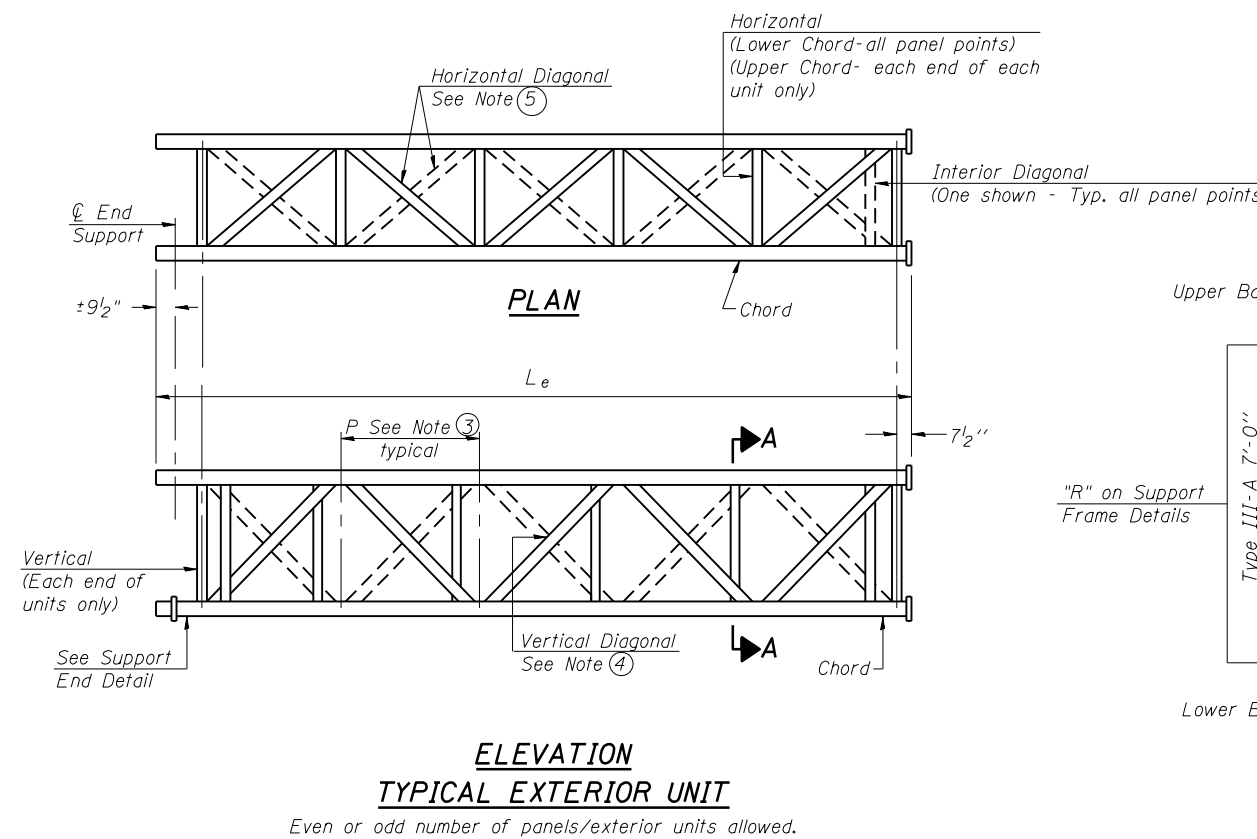
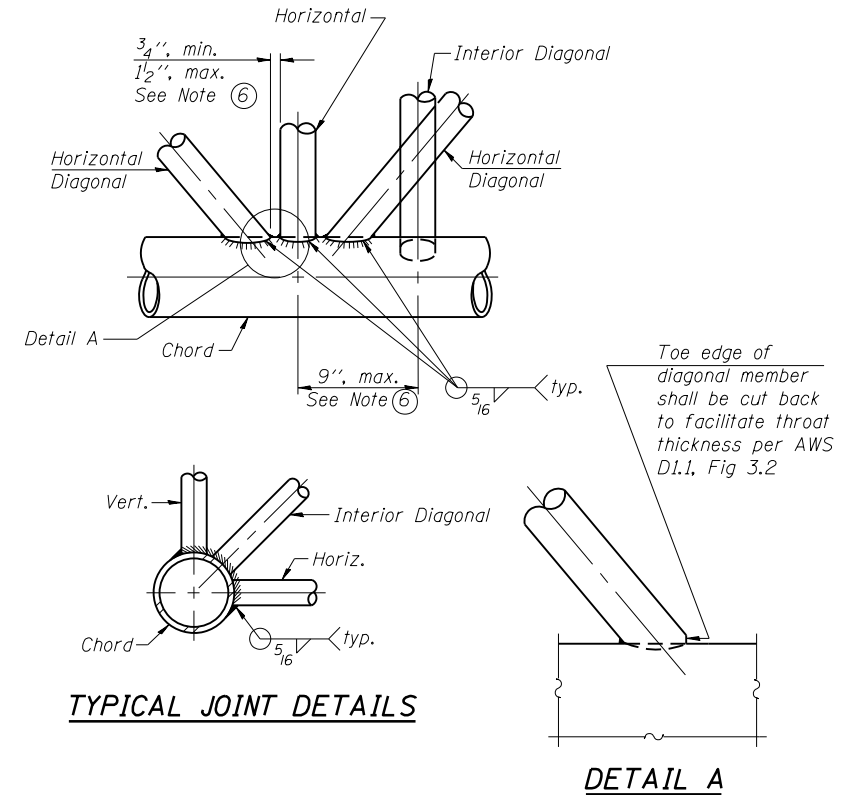
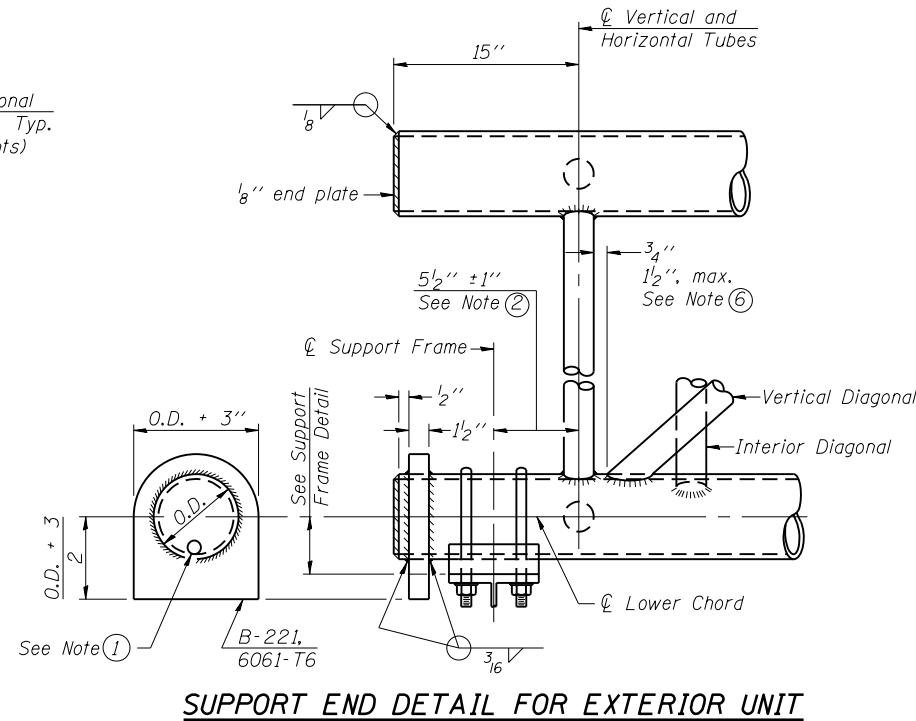
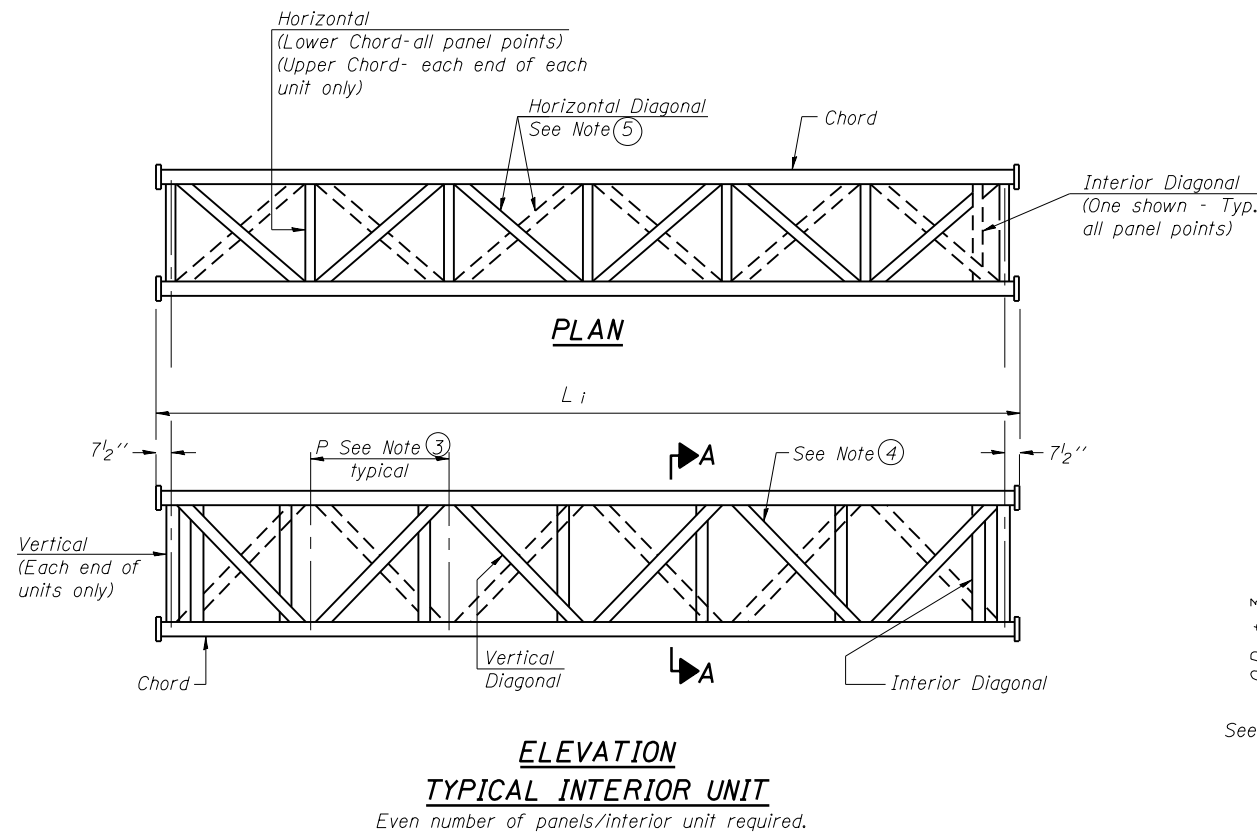
* If M270 Gr. 50W (M222) steel is proposed, chemistry for plate to be used shall first be approved by the Engineer as suitable for galvanizing and welding.



DESIGN WIND LOADING DIAGRAM

Parameters shown are basis for I.D.O.T. Standards and Sign Manual Tables. Installations not within dimensional limits shown require special analysis for all components.

OS-A-1 6-1-12



- ① Contractor may alternatively use standard aluminum drive-fit cap to close end. 1/2" φ drain hole in end plate/drive-fit cap. (Typ. at ends of all chords)
- ② 5 1/2" end dimension may vary by ± 1" to provide uniform panel spacing (P).
- ③ Panel spacing (P) shall be uniform for entire truss and between 4'-0" and 5'-0" for Type I-A or 4'-0" and 5'-6" for Types II-A and III-A.
- ④ Vertical Diagonals in front and back face shall alternate.
- ⑤ Hidden lines show wind bracing alternates direction between planes of top and bottom chords.
- ⑥ All diagonals shall be detailed for minimum offset from the panel point based on the following: Offset shall be such as to provide a 3/4" minimum to 1 1/2" maximum clearance between any diagonal and any horizontal or vertical member, and to provide clearance for U-bolt connections of signs or walkway brackets.

OS-A-2

6-1-12

FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED -
pw:\planroom\dot.illinois.gov\PWIDOT\Documents\IDOT Offices\District 7\Projects\74897\DRAWING\CADsheets\0774897-sht-details.dwg		REVISOR =	REVISOR =
		CHECKED -	REVISOR =
		DATE -	REVISOR =
Default	PLOT DATE = 2/14/2020		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

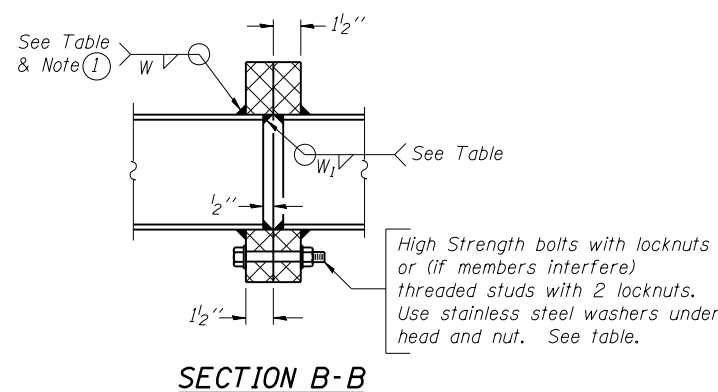
**OVERHEAD SIGN STRUCTURES - ALUMINUM TRUSS
DETAILS FOR TRUSS TYPES I-A, II-A AND III-A**

SCALE: SHEET OF SHEETS STA. TO STA.

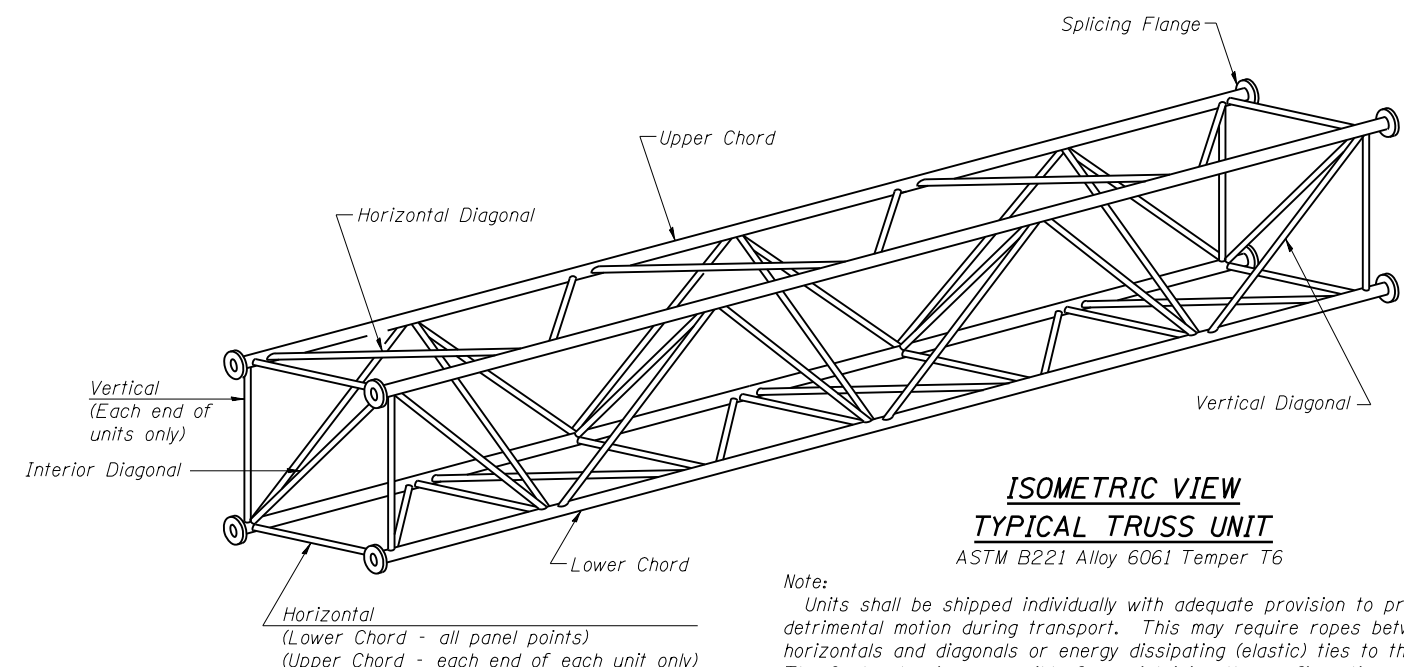
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	07 ITS 2020	VARIOUS	52	42
			CONTRACT NO. 74897	
ILLINOIS				

TRUSS UNIT TABLE

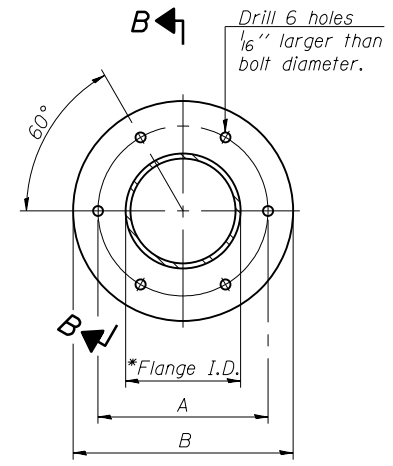
Structure Number	Station	Design Truss Type	Exterior Units (2)			Interior Unit				Upper & Lower Chord		Verticals; Horizontals; Vertical, Horizontal, and Interior Diagonals		Camber at Midspan	Splicing Flange					
			No. Panels per Unit	Unit Lgth.(L _e)	Panel Lgth.(P)	No. Req'd.	No. Panels per Unit	Unit Lgth.(L _i)	Panel Lgth.(P)	O.D.	Wall	O.D.	Wall		Bolts		Weld Sizes		A	B
															No./Splice	Dia.	W	W ₁		
7S0581072R125.5	64+63	III-A	5	27'-1"	5'-0½"	1	6	31'-6"	5'-0½"	7"	5/16"	3¼"	5/16"	1"	6"	1"	7/16"	5/16"	11½"	15"
7S0741072L157.2	999+24	III-A	5	27'-1"	5'-0½"	1	6	31'-6"	5'-0½"	7"	5/16"	3¼"	5/16"	1"	6"	1"	7/16"	5/16"	11½"	15"



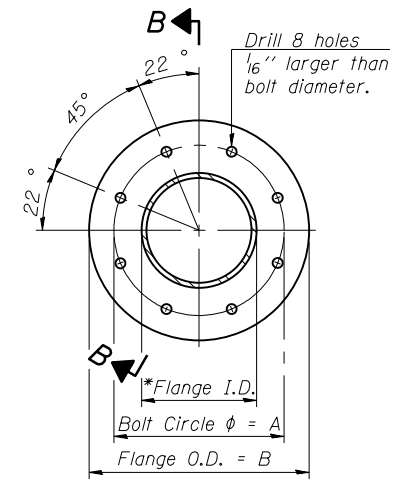
① Splicing Flanges shall be attached to each truss unit with the truss shop assembled to camber shown. Truss units shall be in proper alignment and flange surfaces shall be shop bolted into full contact before welding. Sufficient external welds or tacks shall be made to secure flanges until remaining welds are made after disassembly. Adjacent flanges shall be "match marked" to insure proper field assembly.



Note: Units shall be shipped individually with adequate provision to prevent detrimental motion during transport. This may require ropes between horizontals and diagonals or energy dissipating (elastic) ties to the vehicle. The Contractor is responsible for maintaining the configuration and protection of the units.

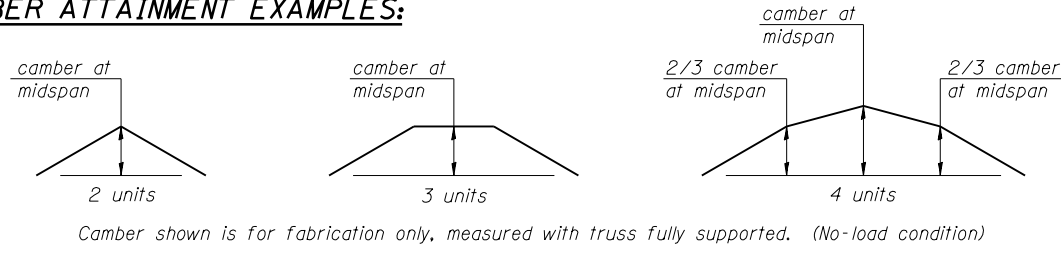


TRUSS TYPES I-A, II-A, & III-A



TRUSS TYPES II-A & III-A
SPLICING FLANGES
ASTM B221, Alloy 6061-T6
or ASTM B209, Alloy 6061-T651
*To fit O.D. of Chord with maximum gap of 1/16".

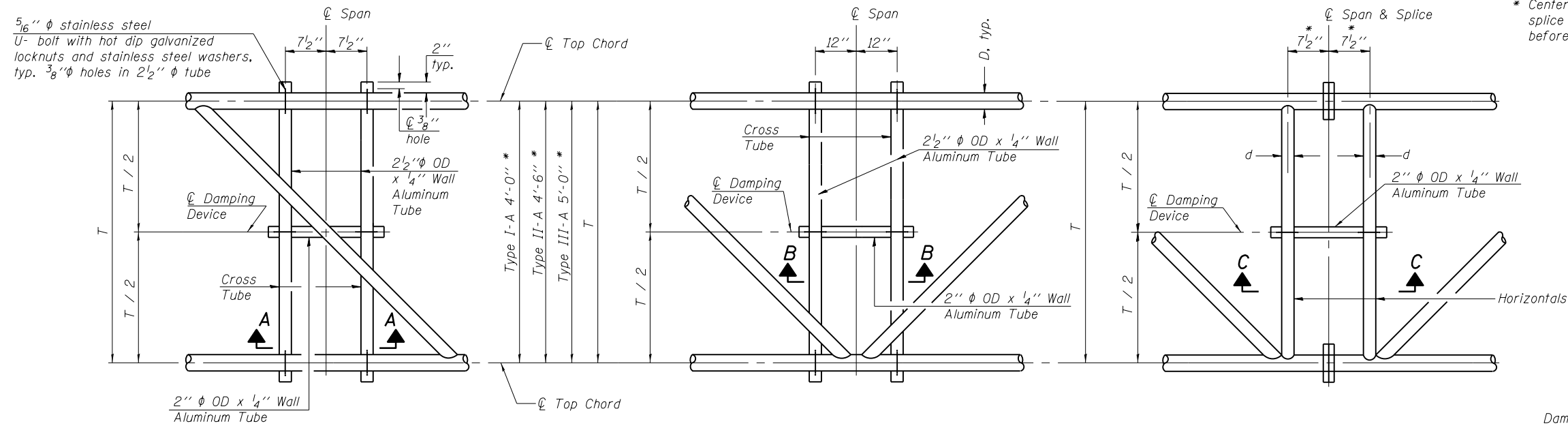
CAMBER ATTAINMENT EXAMPLES:



OS4-A-2

6-1-12

FILE NAME =	USER NAME = steffenmk	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	OVERHEAD SIGN STRUCTURES - ALUMINUM TRUSS DETAILS FOR TRUSS TYPES I-A, II-A AND III-A	F.A.I. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 7\Projects\74897\CAD\CADsheets\0774897-shd-details.dgn	DRWN	REVISED -	REVISED -			VAR	DT ITS 2020	VARIOUS	52	43	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	REVISED -			CONTRACT NO. 74897					
Default	DATE -	REVISED -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO



PLAN DETAIL "A"
 ☉ Span between Panel Points

PLAN DETAIL "B"
 ☉ Span at Panel Point

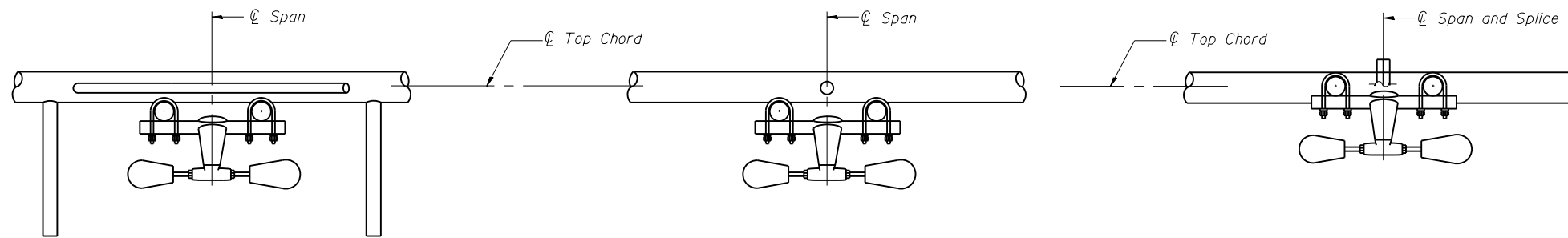
PLAN DETAIL "C"
 ☉ Span at ☉ Chord Splice

* Center of horizontal to center of splice dimension may vary. Verify before drilling holes in mounting tube.

NOTES

Damper: One damper per truss. (31 lbs. minimum Stockbridge-Type Aluminum - 29" minimum between ends of weights) Cost included in Overhead Sign Structure...

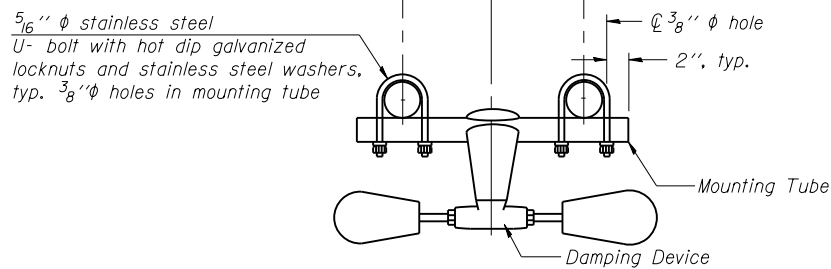
Materials: Materials: Aluminum tubes shall be ASTM B221 alloy 6061 temper T6. Cost included in Overhead Sign Structure...



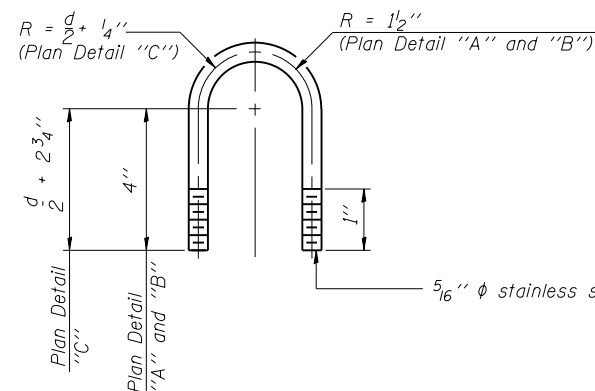
SECTION A-A

SECTION B-B

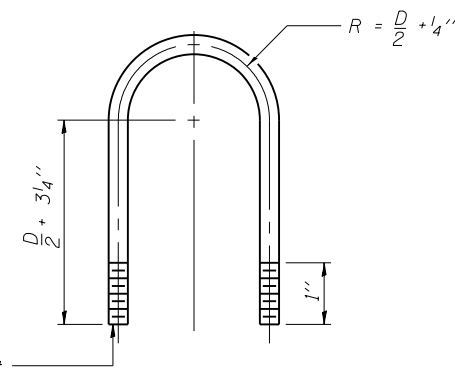
SECTION C-C



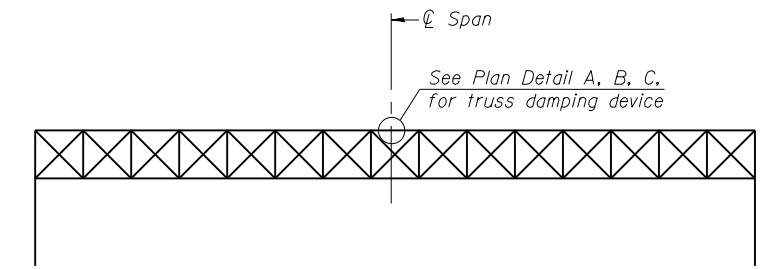
TRUSS DAMPING DEVICE CONNECTION DETAIL
 (Typical)



DAMPING DEVICE MOUNTING TUBE U-BOLT DETAIL
 (Typical)



TOP CHORD TO CROSS TUBE U-BOLT DETAIL
 (Typical - Detail "A" and "B")



ELEVATION
 Aluminum Overhead Sign Truss

OS-A-D

6-1-12

FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISED -
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 7\Projects\74897\DRAWING\CADsheets\0774897-shd-details.dwg		REVISIONS	REVISIONS
		CHECKED -	REVISIONS
Default	PLOT DATE = 2/14/2020	DATE -	REVISIONS

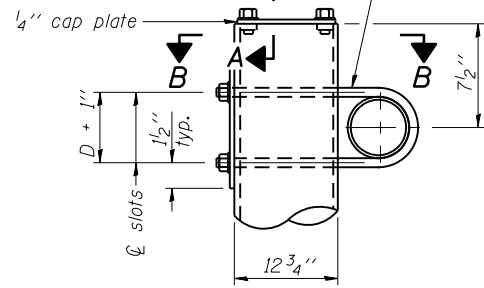
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURE
DAMPING DEVICE

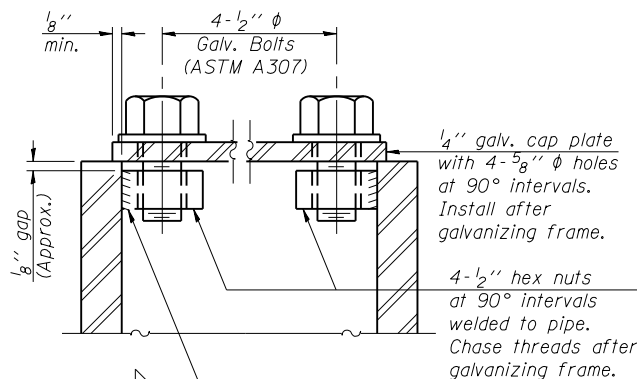
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	07 ITS 2020	VARIOUS	52	44
			CONTRACT NO. 74897	
ILLINOIS				

$\frac{3}{4}$ " ϕ stainless steel U-bolt.
Provide two washers and two hexagon locknuts. (4)
 $\frac{13}{16}$ " x 2" slots on ϕ 12" ϕ pipe.
(4 slots required per pipe)

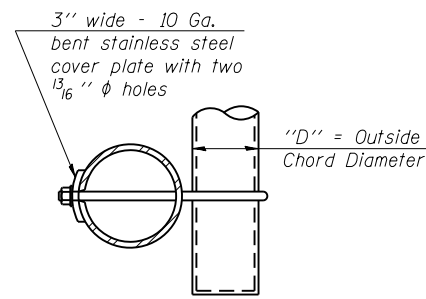


DETAIL A

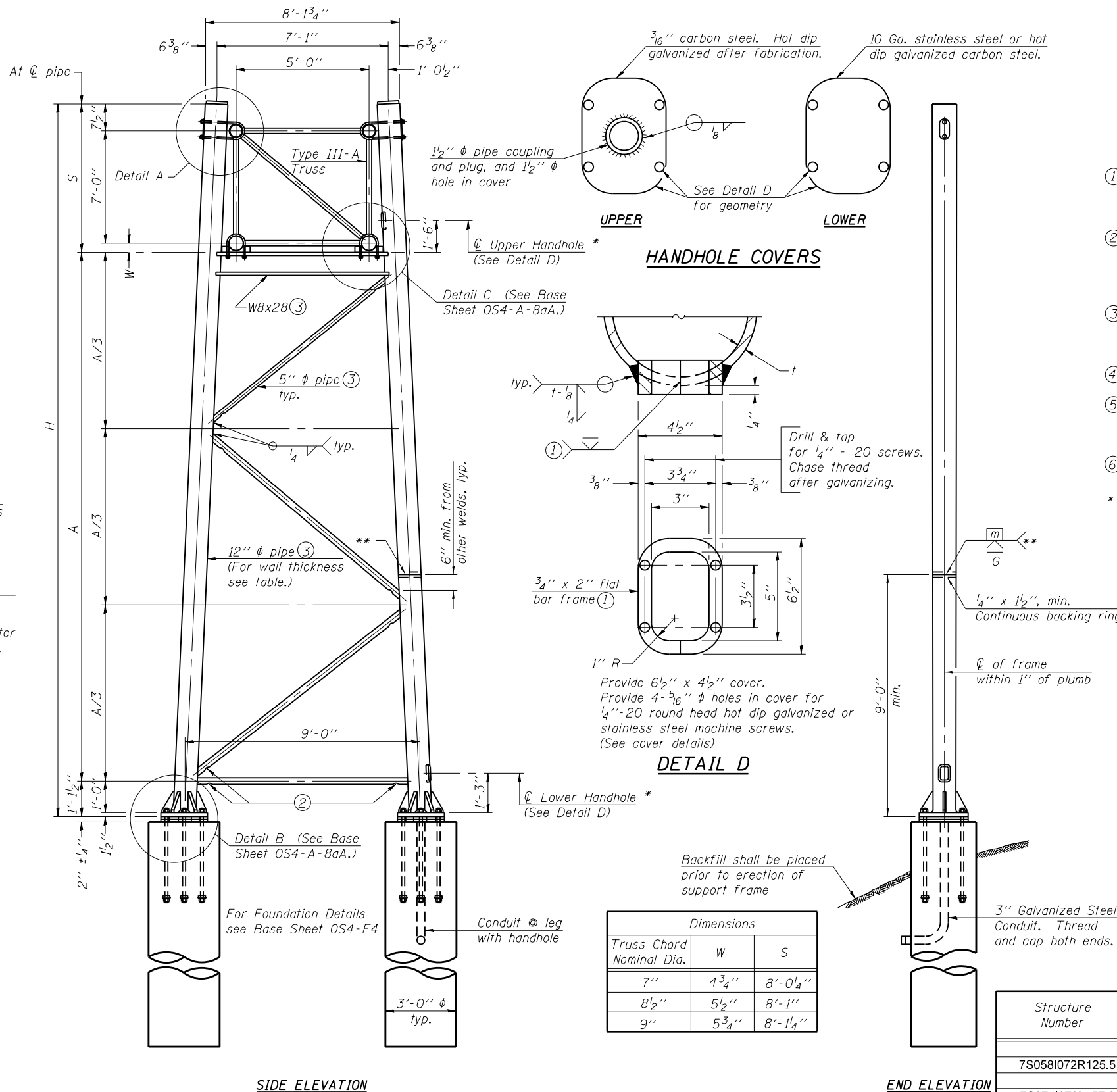


SECTION A-A

As an alternate to bolts, may use galvanized drive-fit caps installed after galvanizing frame.



SECTION B-B



SIDE ELEVATION

END ELEVATION

TRUSS SUPPORT DETAILS

(12" ϕ Pipe-Type III-A Truss)
** One butt welded joint is allowed only on one post per support frame. If used, weld procedure must be pre-approved by Engineer and joint shall receive 100% RT or UT (tension criteria) at Contractor's expense.

Support Design Loads: See Base Sheet OS-A-1 for design and loading criteria.
Load combinations checked include deadload plus:
a) 100% wind normal to sign, 20% parallel to sign
b) 60% wind normal to sign, 30% parallel to sign

- ① In lieu of fabricated handhole frame as shown, may cut from 2" plate (rolling direction vertical). All cut faces to be ground to ANSI Roughness of 500 μ in or less.
- ② Galvanizing vent holes of adequate size shall be provided on underside at each end of bracing pipes. Alternately, holes may be provided in wall of pipe column. All vent holes shall be drilled and de-burred, typ.
- ③ Steel pipe, plate, carbon steel handhole covers and rolled sections shall be hot dip galvanized after fabrication. Painting is not permitted. See Base Sheet OS-A-1.
- ④ See General Notes for fasteners.
- ⑤ Dimensions shown are based on selection criteria in the Sign Structures Manual. Nonstandard applications must have dimensions verified or amended as appropriate.
- ⑥ "H" based on 15'-0" or actual sign height, whichever is greater.

* For dynamic message sign installations, provide upper and lower handholes in both legs of each support frame.

OS4-A-8a

6-1-12

FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISED -
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 7\Projects\74897\DRAWN\CADsheets\0774897-shd-details.dwg		REVISED -	REVISED -
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -	REVISED -
Default	DATE -	REVISED -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

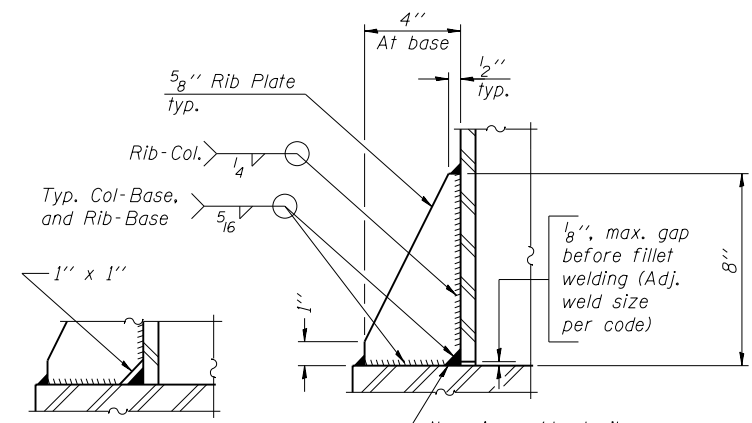
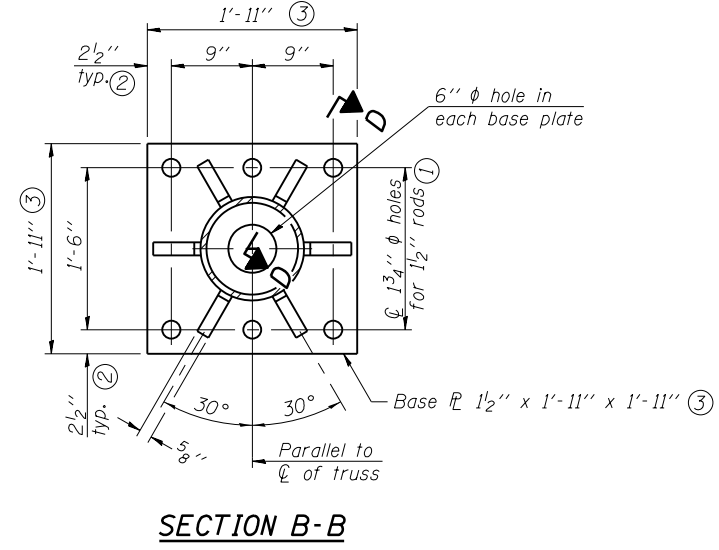
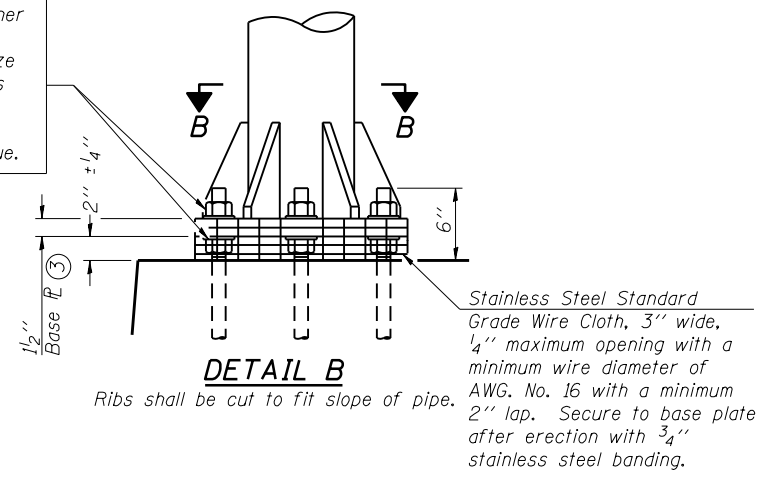
**OVERHEAD SIGN STRUCTURES - SUPPORT FRAME
FOR TYPE III-A ALUMINUM TRUSS**

SCALE: SHEET OF SHEETS STA. TO STA.

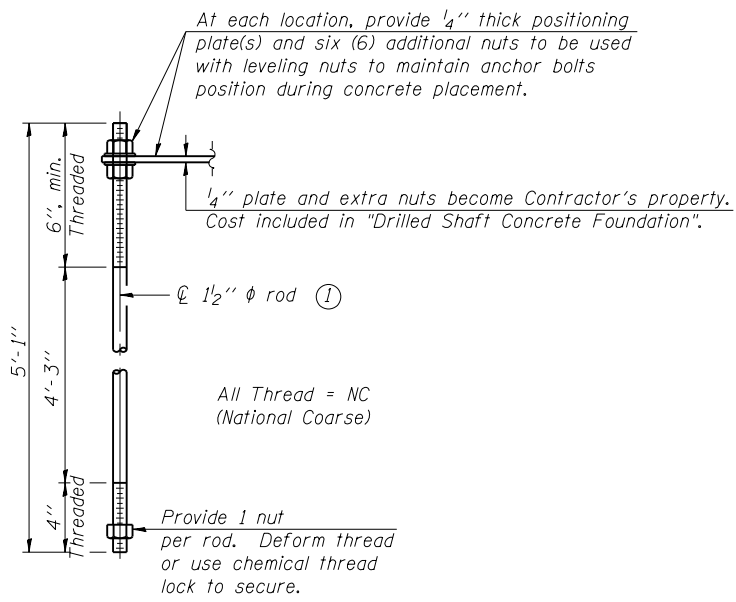
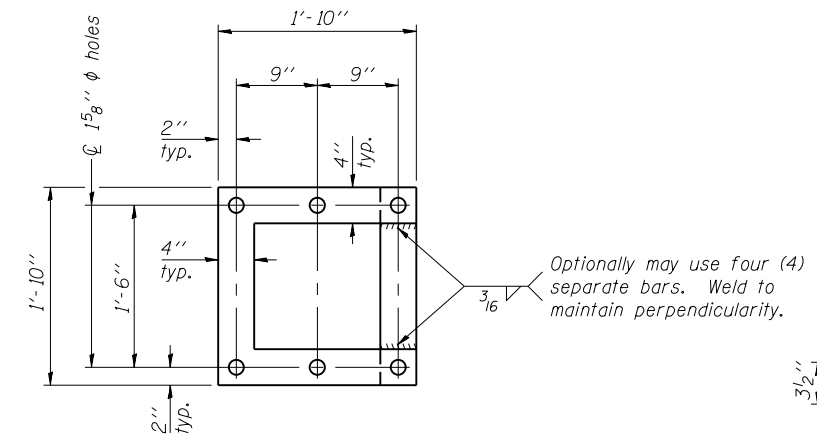
F.A.I. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	07 ITS 2020	VARIOUS	52	45
CONTRACT NO. 74897				
ILLINOIS				

Structure Number	Station	Support		Pipe Wall Thickness	H ⑥	A
		Left	Right			
7S0581072R125.5	64+63	X	X	0.33"	31'-8"	22'-7 ¹ / ₄ "
7S0741072L157.2	999+24	X	X	0.33"	30'-8"	21'-6"

Hexagon locknut and washer (top), leveling nut and washer (bottom). Galvanize per AASHTO M232. Nuts shall each be tightened against base plate with 200 lb.-ft. minimum torque.



** Alternate detail if welding col. to base plate first, then snip inside corner of ribs. Terminate weld on rib 1/4" from snip.



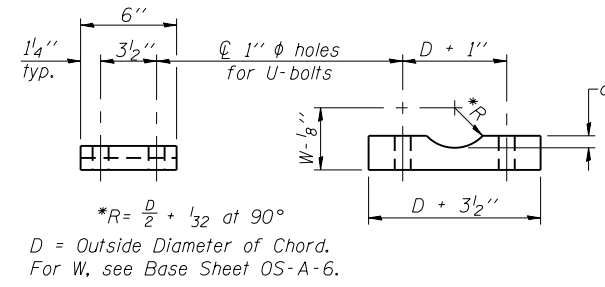
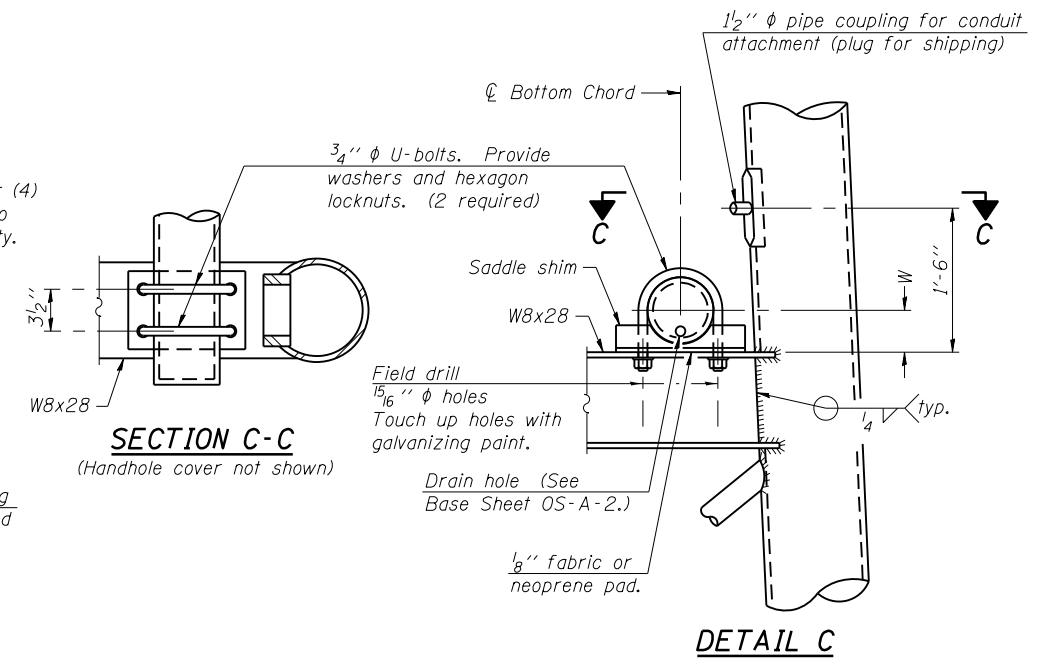
TYPE III-A TRUSS
12" ϕ PIPE SUPPORT FRAME DETAILS

Notes:
For Type III-A Truss spans greater than 150 ft, and up to 160 ft.:

① 1 3/4" ϕ rod, 2" ϕ holes

② 2 3/4" edge distance

③ Base Pl 1 5/8" x 1 11 1/2" x 1 11 1/2"



Truss Chord Nominal Dia.	a
7"	1"
8 1/2"	1 1/4"
9"	1 3/8"

SADDLE SHIM DETAIL
ASTM B26 Alloy 356-F
or
ASTM B209 Alloy 6061-T651
(4 required per sign truss)

OS4-A-8aA

6-1-12

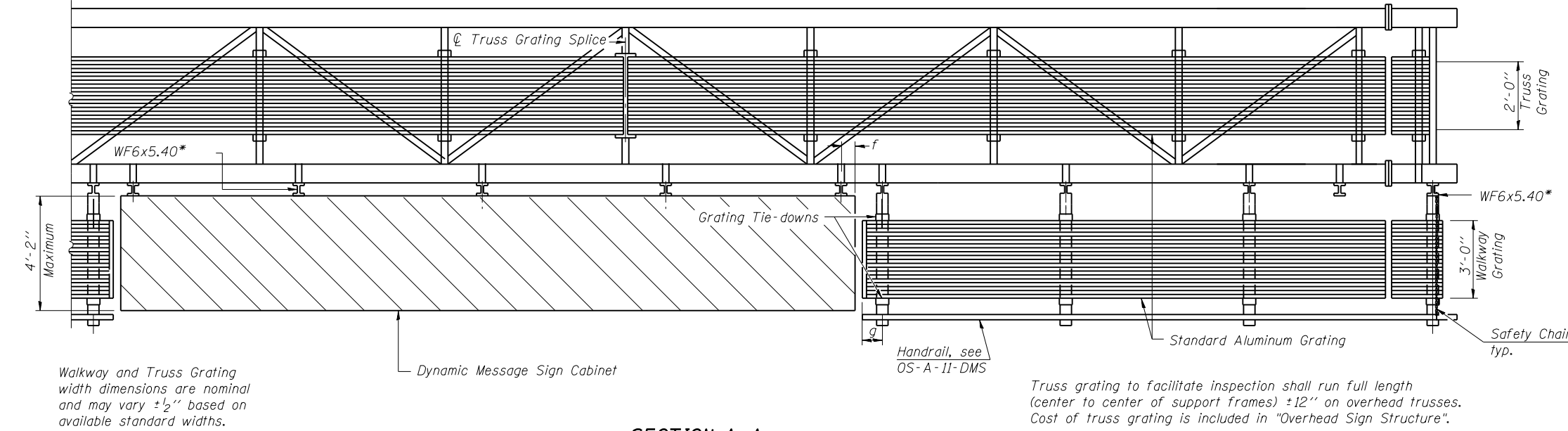
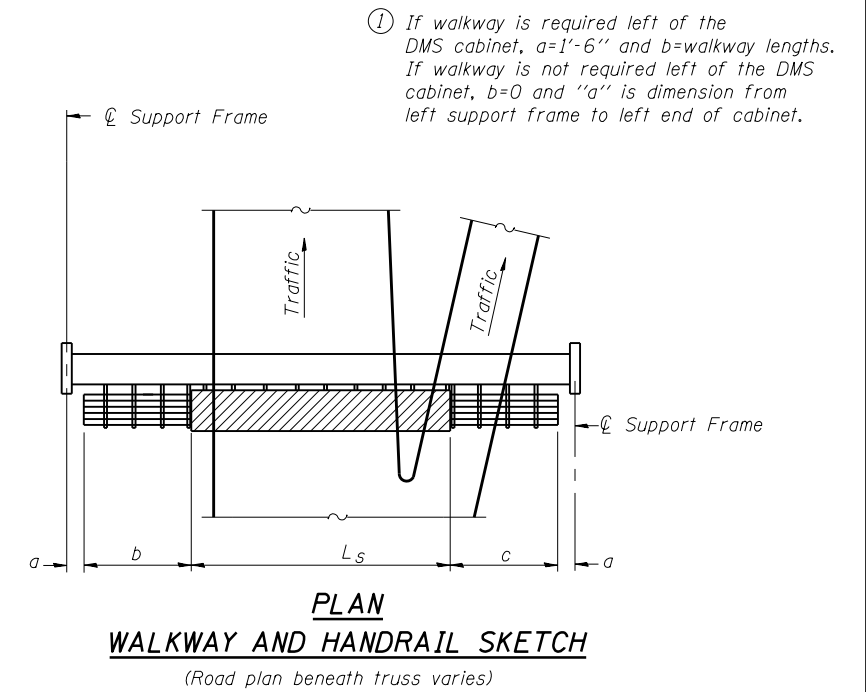
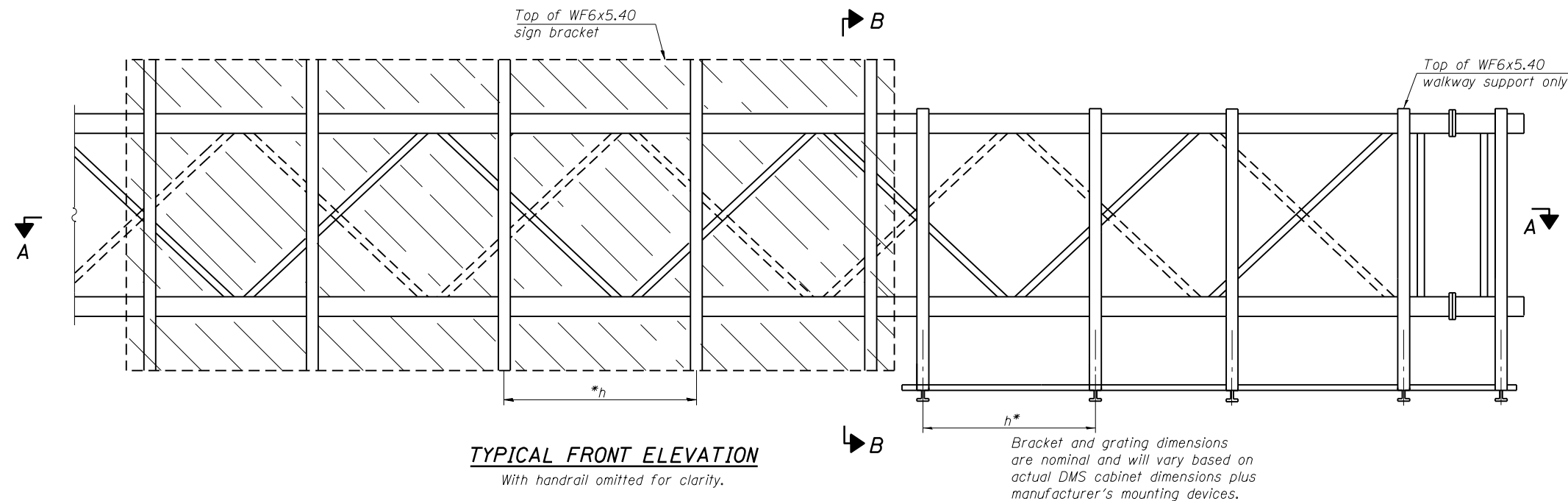
FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED -
pw:\planroom.dot.illinois.gov\PIWIDOT\Documents\IDOT Offices\District 7\Projects\74897\DRAWN\CADsheets\0774897-shd-details.dwg		REVISIONS	
	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISED -
Default	PLOT DATE = 2/14/2020	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
SUPPORT FRAME FOR TYPE III-A ALUMINUM TRUSS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	07 ITS 2020	VARIOUS	52	46
			CONTRACT NO. 74897	
ILLINOIS				



BRACKET TABLE

WF6x5.40 ASTM B308, Alloy 6061-T6		
Sign Width		Number Brackets Required
Greater Than	Less Than or Equal To	
	8'-0"	2
8'-0"	14'-0"	3
14'-0"	20'-0"	4
20'-0"	26'-0"	5
26'-0"	32'-0"	6

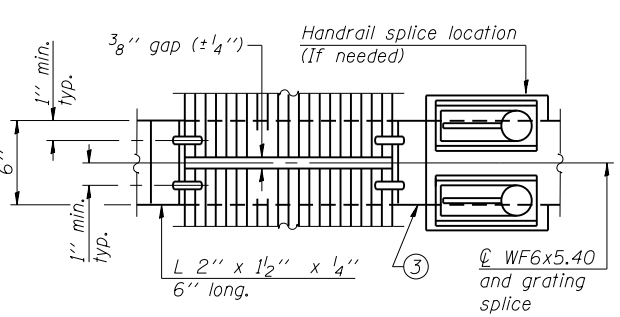
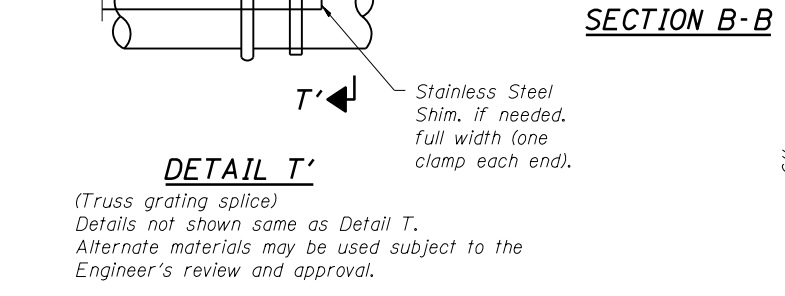
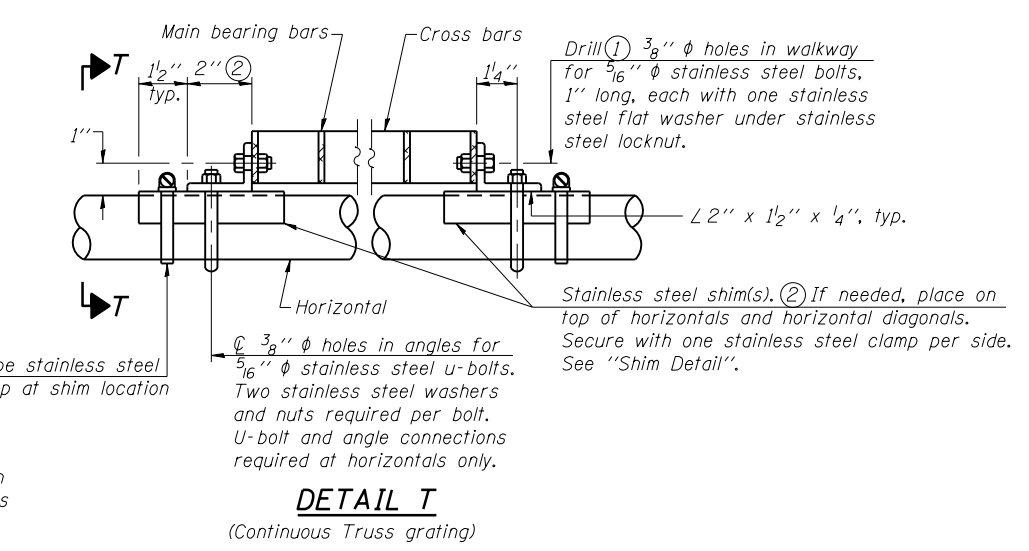
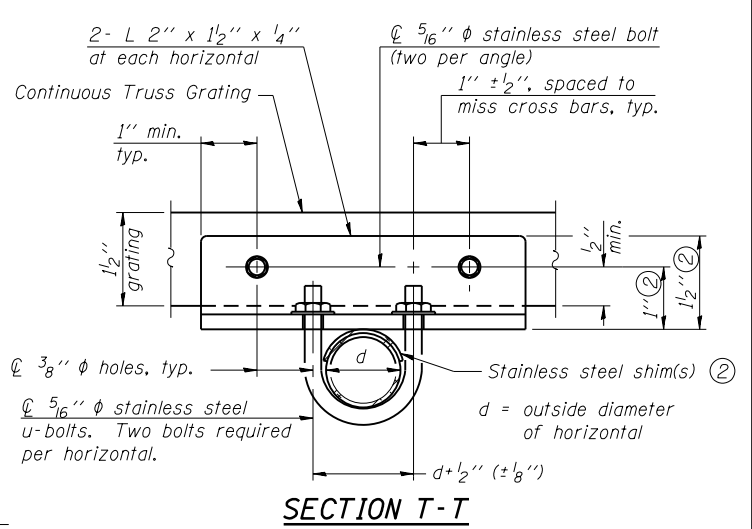
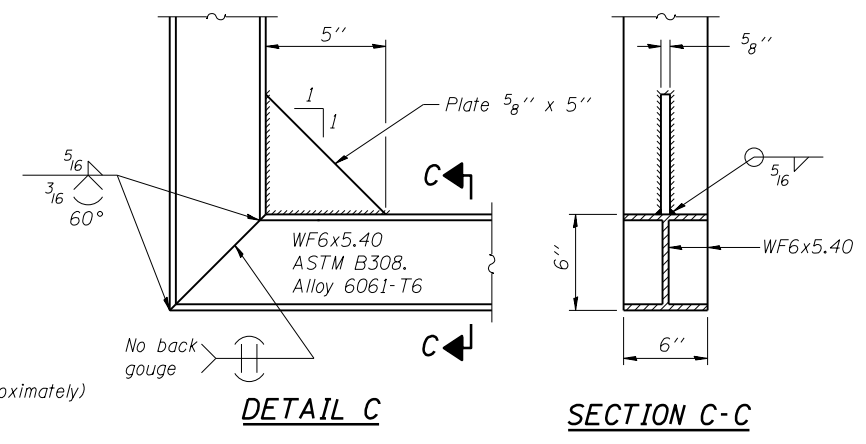
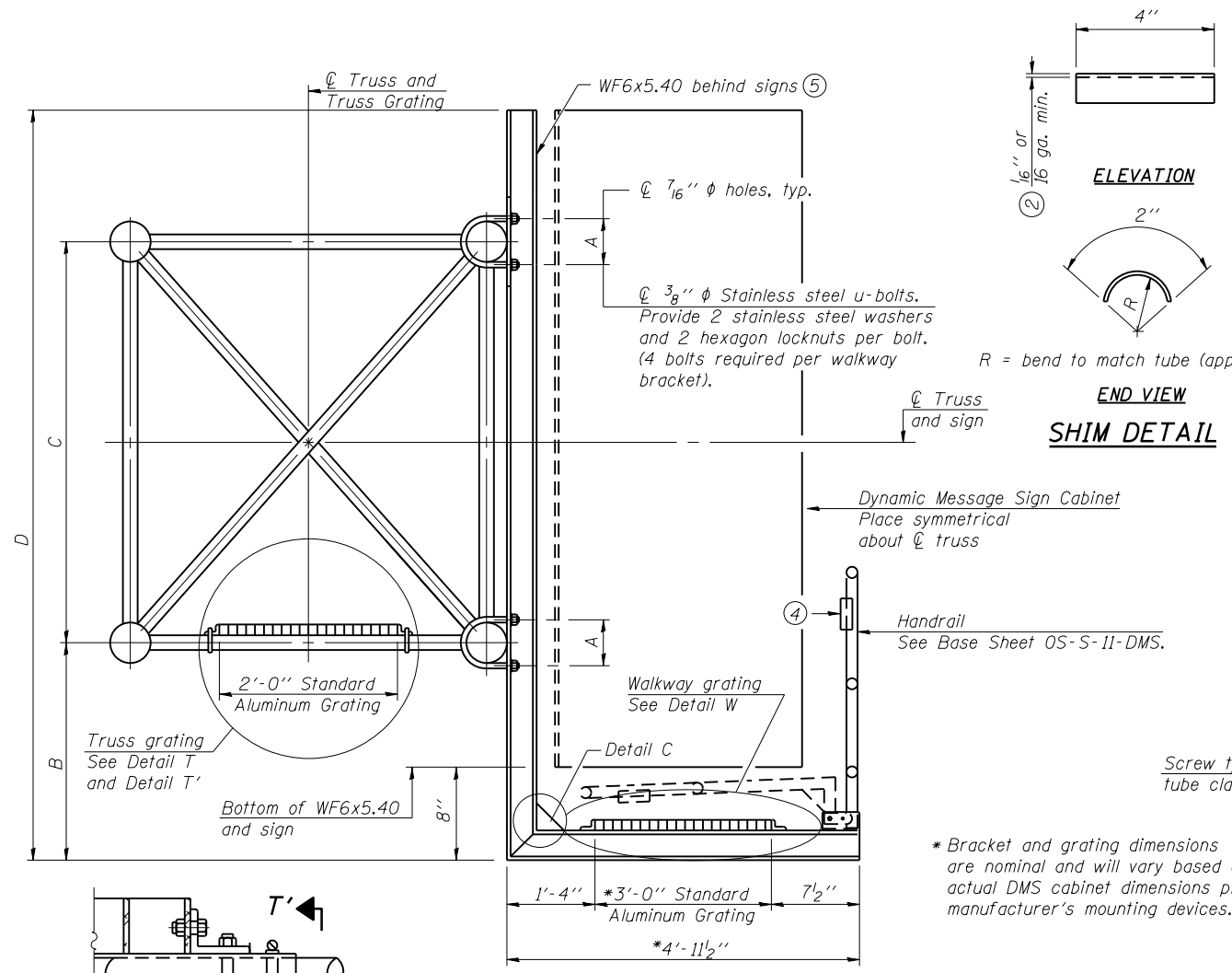
SECTION A-A
Handrail and walkway shall span a minimum of three brackets between splices and/or gap joints. Place all sign and walkway brackets as close to panel points as practical. Grating and handrail splices placed as needed.

Notes:
* Space walkway brackets WF6x5.40 for efficiency and within limits shown:
 $f = 12''$ maximum, 4'' minimum (End of sign to \O of nearest bracket)
 $g = 12''$ maximum, 4'' minimum (End of walkway grating to \O of nearest support bracket)
 $h = 6'-0''$ maximum (\O to \O sign and/or walkway support brackets, WF6x5.40)

Maximum DMS weight = 5000 lbs. 4'-2'' maximum cabinet depth includes depth of cabinet plus connection to WF6x5.40.
For Section B-B and Grating Splice Details, see Base Sheet OS-A-10-DMS.
For Handrail Splice Details, see Base Sheet OS-A-11-DMS.

Structure Number	Station	a	b	c	L_s	Walkway Grating and Handrail Lengths
7S0581072R125.5	64+63	1'-6"	25'-6"	25'-6"	30'-0"	51'-0"
7S0741072L157.2	999+24	1'-6"	25'-6"	25'-6"	30'-0"	51'-0"

OS-A-9-DMS 6-1-12



SPECIFICATIONS FOR STANDARD ALUMINUM GRATING

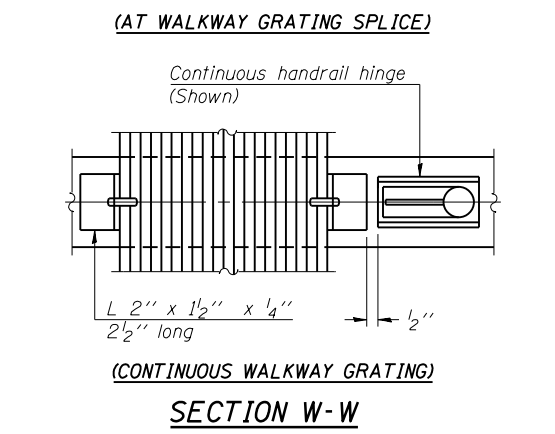
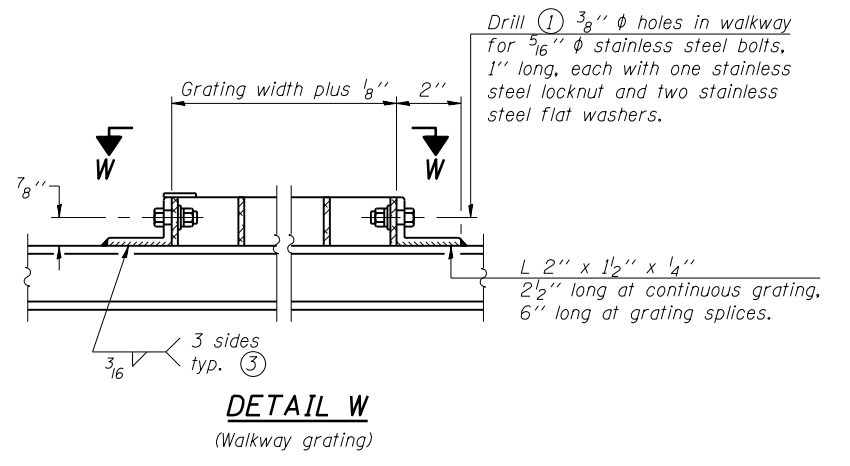
Main Bearing Bars shall be 3/16" x 1 1/2" on 1 3/16" centers and conform to ASTM B221 Alloy 6061-T6.
 Cross bars shall be 3/16" x 1 1/2" on 4" centers and conform to ASTM B221 Alloy 6063-T5 or 6061-T6.

OR

Aluminum Grating with modified "I" sections for main bearing bars shall meet the following requirements:
 Main bars shall conform to ASTM B221 Alloy 6061-T6 and have a minimum section modulus equal to 0.0705 in. per bar, a depth of 1 1/2", spaced on 1 3/16" centers.
 Cross bars shall conform to ASTM B221 Alloy 6063-T5 or T-42 and spaced on 4" centers.

Structure Number	Station	A	⑥ B	C	⑥ D
7S0581072R125.5	64+63	7 1/2"	2'-2"	7'-0"	10'-8"
7S0741072L157.2	999+24	7 1/2"	2'-2"	7'-0"	10'-8"

- ① Drilling holes in grating may be done in shop or field, based on Contractor's preference and subject to accurate alignment.
- ② Stainless steel shims shall be placed as shown in Detail T if needed to compensate for alignment variations between horizontal and diagonal pipes beyond adjustment provided by angles. Thicker shims may be used subject to shims performing properly.
- ③ If Handrail Joint present, weld angle to WF(A-N)4 and 1/4" extension bars. (See Base Sheet OS-A-11.)
- ④ R 1/8" x 1/2" x 2" welded to handrail posts to protect locations that contact grating.
- ⑤ Cabinet manufacturer must design and supply hardware for connection of cabinet to WF6's. Bolts must be stainless steel or hot dip galvanized high strength per IDOT specifications.
- ⑥ Based on actual height of tallest sign given on OS-A-1.



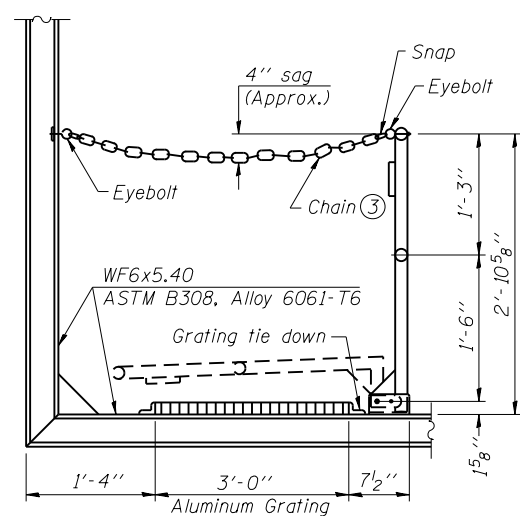
OS-A-10-DMS 6-1-12

FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED -
pw:\planroom\dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 7\Projects\74897\DRAWING\CADsheets\0774897-sht-details.dwg		REVISIONS -	
PLOT SCALE = 100.0000' / in.	CHECKED -	REVISIONS -	
Default	DATE -	REVISIONS -	

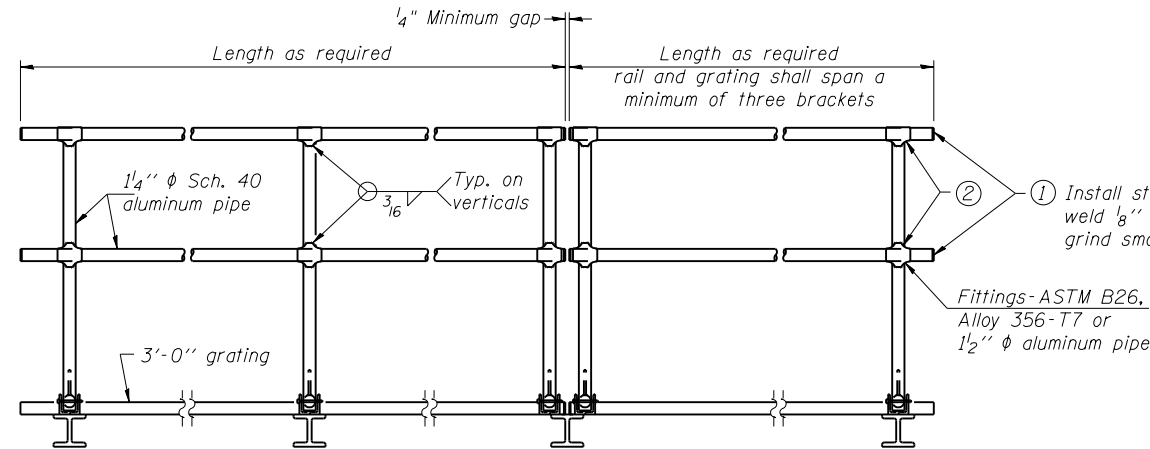
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
ALTERNATE ALUMINUM WALKWAY DETAILS FOR DMS
SCALE: SHEET OF SHEETS STA. TO STA.

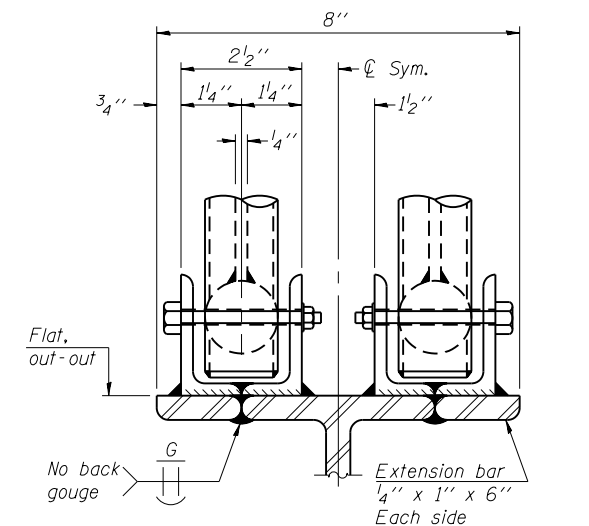
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	07 ITS 2020	VARIOUS	52	48
ILLINOIS			CONTRACT NO. 74897	



SIDE ELEVATION
(Showing safety chain w/o sign)



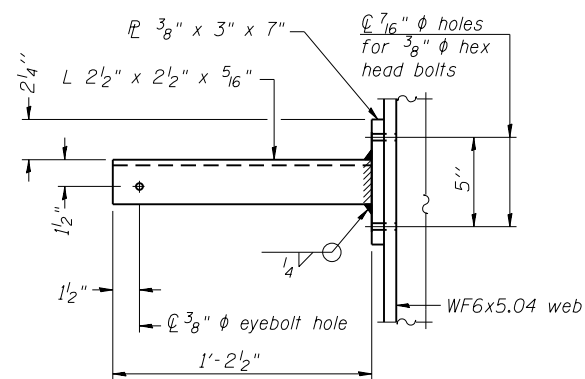
FRONT ELEVATION



ELEVATION AT HANDRAIL JOINT ④

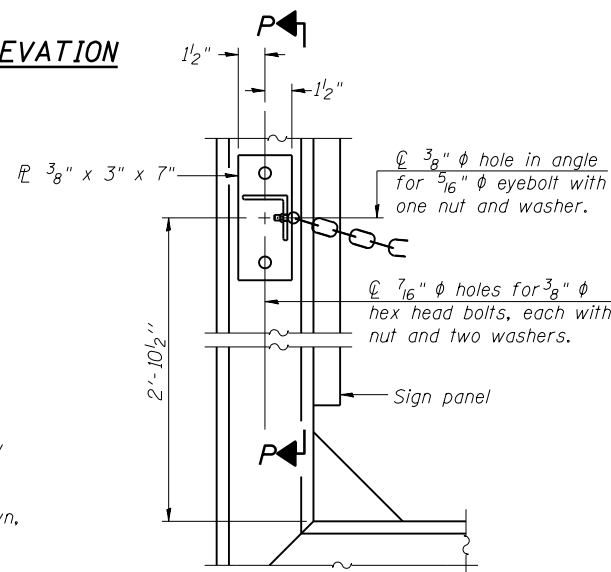
HANDRAIL DETAILS

Handrail pipe shall be ASTM B241, Alloy 6063-T6 or Alloy 6061-T6.



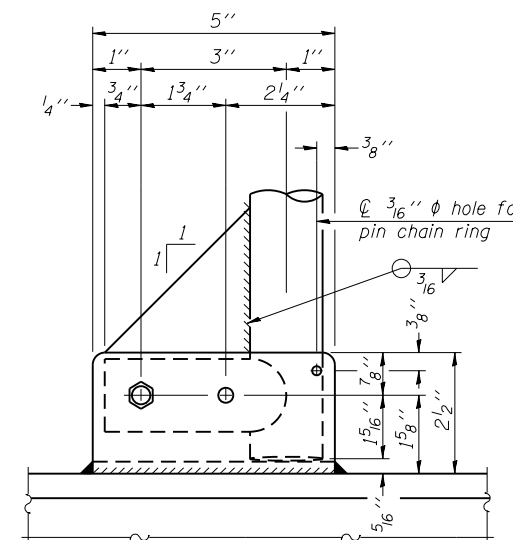
SECTION P-P

- ② Horizontal handrail member shall be continuous thru fitting. Provide 7/16 inch diameter hole in fitting for 3/8 inch diameter bolt. Field drill 7/16 inch diameter hole in horizontal rail member. Provide washer and locknut for bolt. (Use 5/16 inch diameter eyebolts in 7/16 inch diameter holes on top rail at ends only.)
- ③ 3/16 inch type 304L stainless steel chain, approximately 12 links per foot.
- ④ Extrusions may be used in lieu of the details shown, with approval of the Engineer.

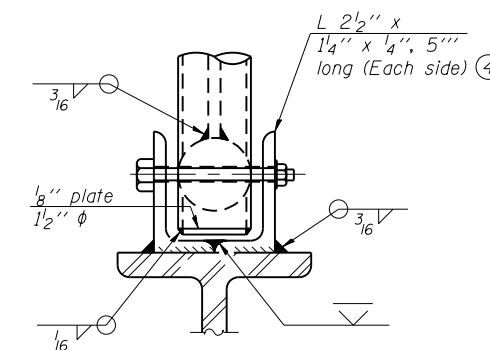


ALTERNATE SAFETY CHAIN ATTACHMENT

(With Sign Present)
Items not shown same as "Side Elevation" of "Handrail Details"

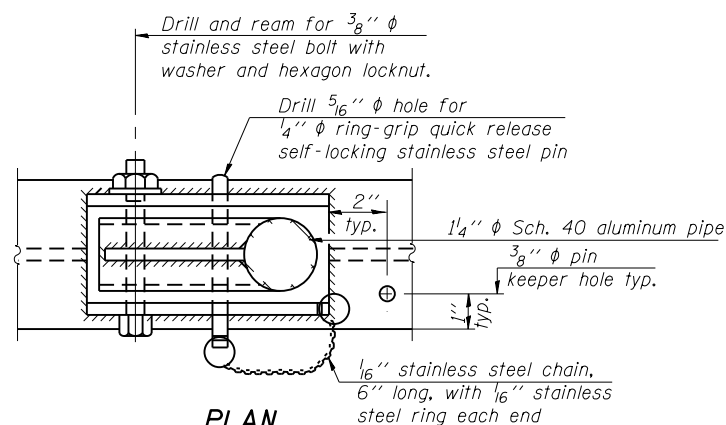


SIDE ELEVATION

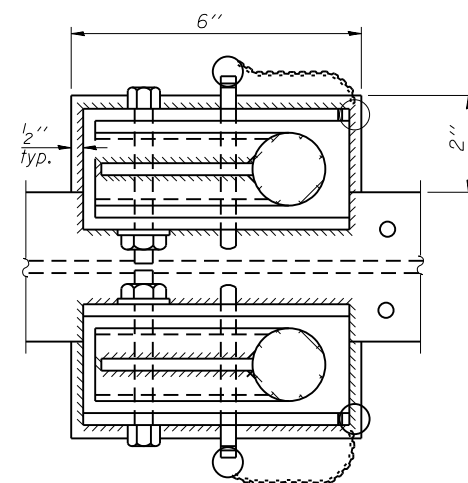


FRONT ELEVATION

See "ELEVATION" at right for dimensions.

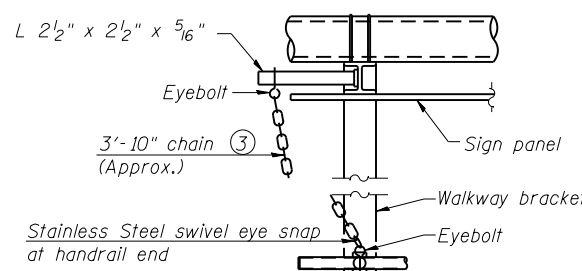


PLAN
DETAIL E HANDRAIL HINGE



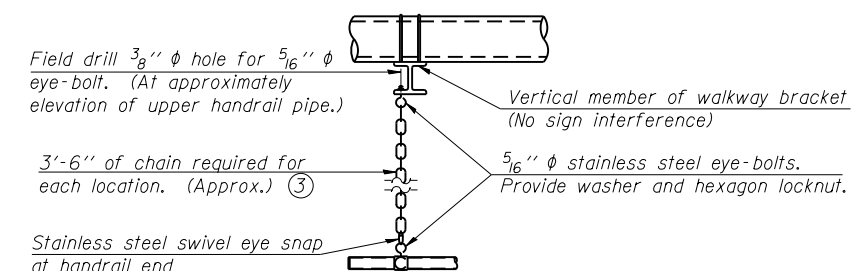
PLAN AT HANDRAIL JOINT

Details not shown same as "PLAN"



ALTERNATE SAFETY CHAIN ATTACHMENT

Details not shown similar to "Safety Chain" Details
(Walkway omitted for clarity)



SAFETY CHAIN

One required for each end of each walkway.

OS-A-11-DMS

6-1-12

FILE NAME =	USER NAME = steffennk	DESIGNED -	REVISED -
pw:\planroom.dtl\illinois.gov\PIDOT\Documents\IDOT Offices\District 7\Projects\74897\DRAWING\CADsheets\0774897-shd-details.dwg		REVISIONS	REVISIONS
		CHECKED -	REVISIONS
Default	PLOT DATE = 2/14/2020	DATE -	REVISIONS

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

OVERHEAD SIGN STRUCTURES
ALTERNATE ALUMINUM HANDRAIL DETAILS FOR DMS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	07 ITS 2020	VARIOUS	52	49
			CONTRACT NO. 74897	
	ILLINOIS			

BAR LIST - EACH FOUNDATION

Bar	Number	Size	Length	Shape
v4(E)	24	#9	F less 5"	—
#4 bar spiral (E) - see Side Elevation				

NOTES:

The foundation dimensions shown are based on the presence of mostly cohesive soils with an average Unconfined Compressive Strength (Qu) of at least 1.25 tsf, which must be determined by previous soil investigations at the jobsite. When other conditions are indicated, the boring data will be included in the plans and the foundation dimensions shown will be the result of site specific designs.

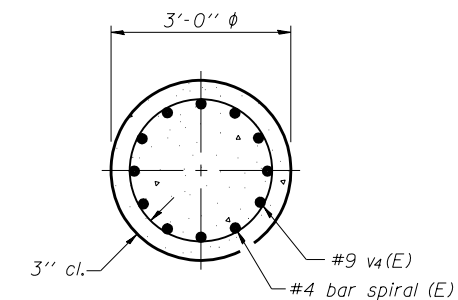
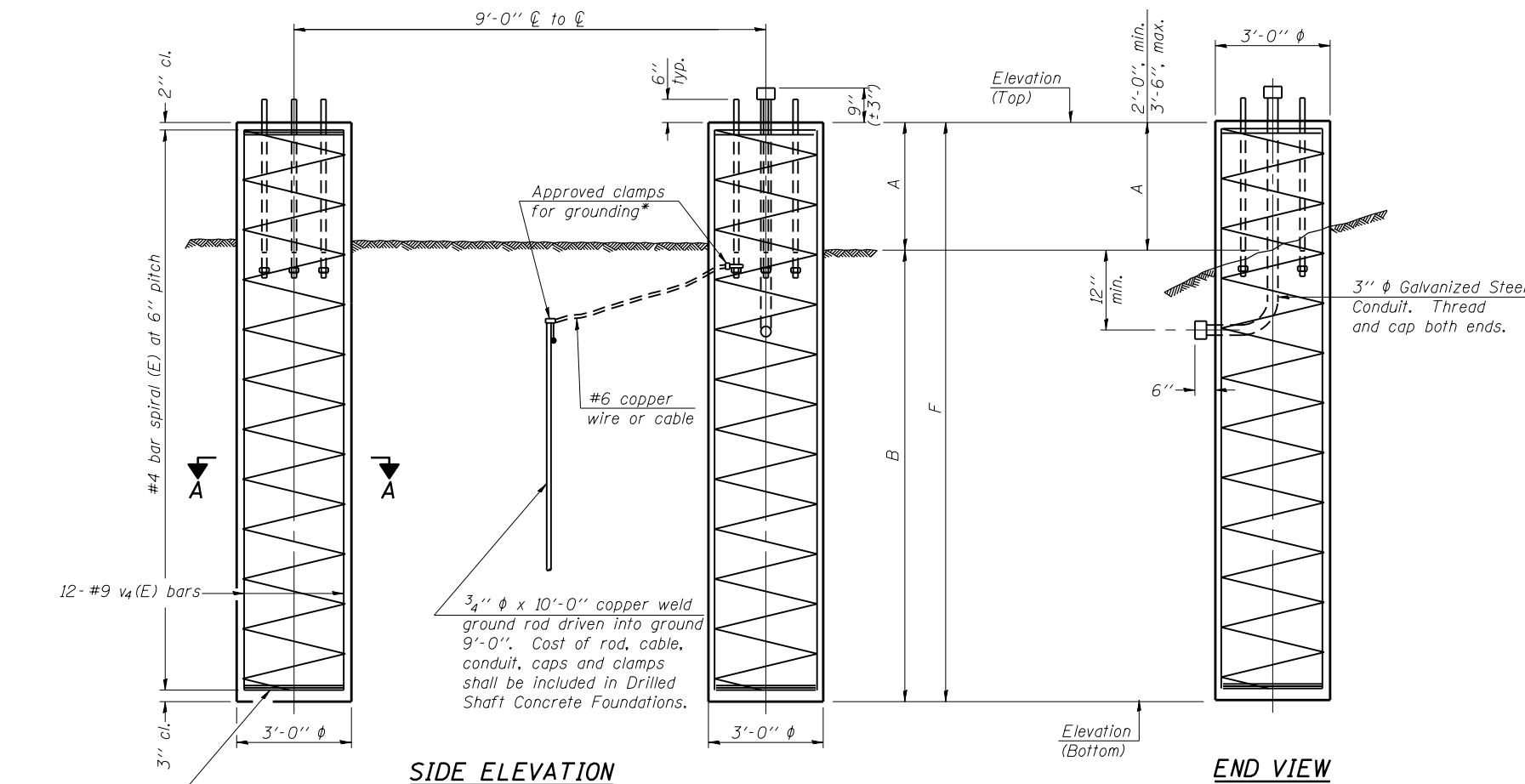
If the conditions encountered are different than those indicated, the Contractor shall notify the Engineer to determine if the foundation dimensions need to be modified. If dimensions "B" or "F" are revised by more than 12" by the Contractor, "as-built" plans shall be prepared and submitted to the District Bureau of Operations for future reference.

No sonotubes or decomposable forms shall be used below the lower conduit entrance. Permanent metal forms or other shielding may not be left in place below that elevation without the Engineer's written permission.

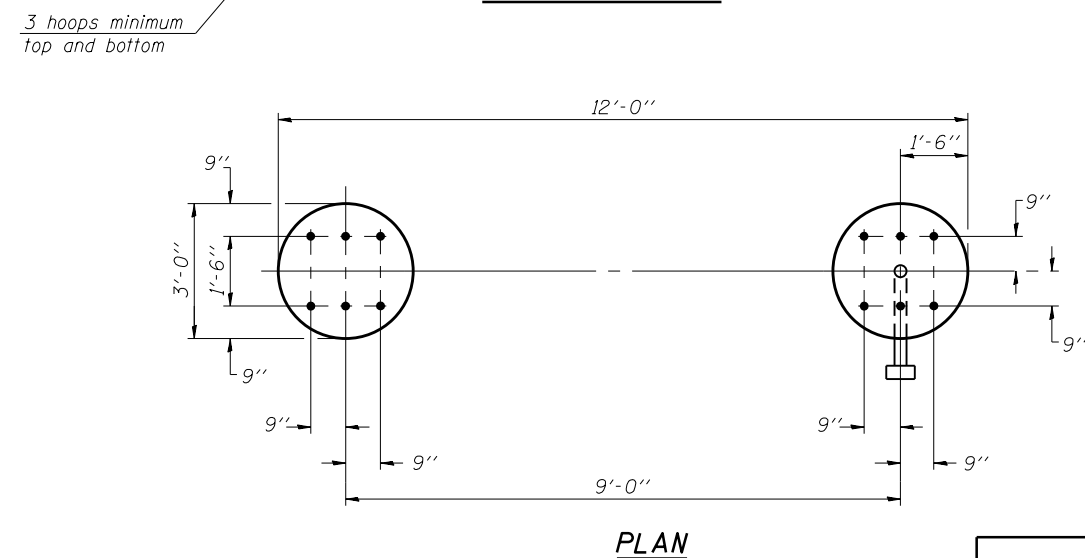
Concrete shall be placed monolithically, without construction joints.

Backfill shall be placed per Article 502 of Standard Specification and prior to erection of support column.

A normal surface finish followed by a Bridge Seat Sealer application will be required on concrete surfaces above the lowest elevation 6" below finished ground line. Cost included in Drilled Shaft Concrete Foundation.



SECTION A-A



PLAN

For anchor rod size and placement, see Support Frame Detail Sheet.

* Anchor rod shall be ground or filed to bright metal at clamp and cable connection location.

**DETAILS FOR 12" Ø SUPPORT FRAME
TYPE III-A TRUSS**

Structure Number	Station	Left Foundation					Right Foundation					Class DS Concrete (Cu. Yds.)
		Elevation Top	Elevation Bottom	A	B	F	Elevation Top	Elevation Bottom	A	B	F	
7S0581072R125.5	64+63	98.13	63.13'	2'-0"	33'-0"	35'-0"	98.13	62.97'	2'-2"	33'-0"	35'-2"	36.7
7S0741072L157.2	999+24	98.72'	78.72'	2'-0"	18'-0"	20'-0"	98.72'	77.79'	2'-11 1/2"	18'-0"	20'-11 1/2"	21.5

OS4-F4

6-1-12

FILE NAME =	USER NAME = steffenk	DESIGNED -	REVISED -
pw:\planroom.dot.illinois.gov\PIDOT\Documents\IDOT Offices\District 7\Projects\74897\DRAWING\CADsheets\0774897-shd-details.dwg		DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = 2/14/2020	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**OVERHEAD SIGN STRUCTURES
DRILLED SHAFT DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
VAR	07 ITS 2020	VARIOUS	52	50
			CONTRACT NO. 74897	
ILLINOIS				



SOIL BORING LOG

ROUTE FAI 72 (I-72) WB DESCRIPTION Overhead Sign Structure Foundation LOGGED BY E. Sandschafer

SECTION D7 ITS 2020 LOCATION Driving Lane Shoulder, SEC. 14, TWP. 18 N, RNG. 4 E, 3 PM

COUNTY Piatt DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. 7S0741072L157.2
Station 999+24

BORING NO. B-1
Station 999+24
Offset 42.0ft N
Ground Surface Elev. 95.5

DEPTH (ft)	BLOW COUNT (/6")	UNIFIED SOIL CLASSIFICATION (tsf)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BLOW COUNT (/6")	UNIFIED SOIL CLASSIFICATION (tsf)	MOISTURE (%)
95.25				Topsoil				
				Brown, CLAY				
	3			Very stiff, moist, (embankment)				
	6	2.5 B	19					
91.00				Stiff, moist, grey, CLAY (Till) (Embankment)				
	5			Very stiff, moist, black, CLAY				
	6	1.7 B	12					
88.50				Stiff, grey marbled, with SILT				
	3							
	4	1.6 B	30					
83.00				Stiff, moist, brown & grey marbled, SILTY CLAY LOAM				
	1			Soft, wet, grey, SILTY CLAY				
	2	1.7 B	13					
81.00				Very stiff, moist, grey, CLAY LOAM (Till)				
	3							
	4	0.5 B	30					
78.50				Very stiff, moist, grey				
	4	2.3 B	13					
	6							
	4							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated) Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, Form 137 (Rev. 8-99)

File Name: S:\NEW GEOTECHNICAL\GINTDATA\PROJECTS\IMACON CO (059)\058-0000 SOIL 2019 SIGN TRUSS 7S0741072L157.2.GPJ Data Template D7.GDT Date Printed 6/4/19
Latitude 40.018639 Longitude -88.721716 Datum Job Number



SOIL BORING LOG

ROUTE FAI 72 (I-72) WB DESCRIPTION Overhead Sign Structure Foundation LOGGED BY E. Sandschafer

SECTION D7 ITS 2020 LOCATION Median, SEC. 14, TWP. 18 N, RNG. 4 E, 3 PM

COUNTY Piatt DRILLING METHOD Hollow stem auger & split spoon HAMMER TYPE Auto 140#

STRUCT. NO. 7S0741072L157.2
Station 999+24

BORING NO. B-2
Station 999+24
Offset 42.0ft S
Ground Surface Elev. 96.03

DEPTH (ft)	BLOW COUNT (/6")	UNIFIED SOIL CLASSIFICATION (tsf)	MOISTURE (%)	DESCRIPTION	DEPTH (ft)	BLOW COUNT (/6")	UNIFIED SOIL CLASSIFICATION (tsf)	MOISTURE (%)
95.78				Topsoil				
				Brown, CLAY				
	4			Very stiff, moist				
	6	3.3 B	10					
	11			Grey				
	5							
	8	3.3 B	14	Stiff, dark grey/black				
	9							
				Soft, moist, grey & brown marbled, SILTY CLAY				
	2	0.5 B	31					
85.53				Very soft, wet, grey, SILTY LOAM				
	3							
	1	0.2 B	37	Brown, CLAY LOAM (Till)				
	3							
84.03				Very stiff, moist, grey				
	1	0 B	44					
	1			Very stiff, moist, grey				
	3							
	3							
	4	2.3 B	13					
	7							
	5							

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer, E-Estimated) Abbreviations W.O.H - Sampler Advanced By Weight of Hammer, W.O.P - Advanced by Weight of Pipe, B.S. - Before Seating The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206) BBS, Form 137 (Rev. 8-99)

File Name: S:\NEW GEOTECHNICAL\GINTDATA\PROJECTS\IMACON CO (059)\058-0000 SOIL 2019 SIGN TRUSS 7S0741072L157.2.GPJ Data Template D7.GDT Date Printed 6/4/19
Latitude 40.018639 Longitude -88.721716 Datum Job Number

MODEL: Default
FILE: Model: 74897.dwg
PROJECT: 74897
CADD: 74897.dwg
JOB: 74897
JOB NUMBER: 74897

USER NAME = steffemk	DESIGNED -	REVISED -
	DRAWN -	REVISED -
PLOT SCALE = 100.0000 ' / in.	CHECKED -	REVISED -
PLOT DATE = 2/14/2020	DATE -	REVISED -

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

BORING LOGS STRUCTURE 7S0741072L157.2

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	D7 ITS 2020	VARIOUS	52	52
ILLINOIS			CONTRACT NO. 74897	