STATE OF ILLINOIS **DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS**

PROPOSED CONTRACT MAINTENANCE

FAP 666 1-55 BUSINESS SECTION (15,110X)L

SANGAMON COUNTY

END PROJECT STA. 70 + 45

BEGIN PROJECT

STA. 51 + 38

ž C-96-015-10



STEVENSON DR

FOR INDEX OF SHEETS, SEE SHEET NO. 2

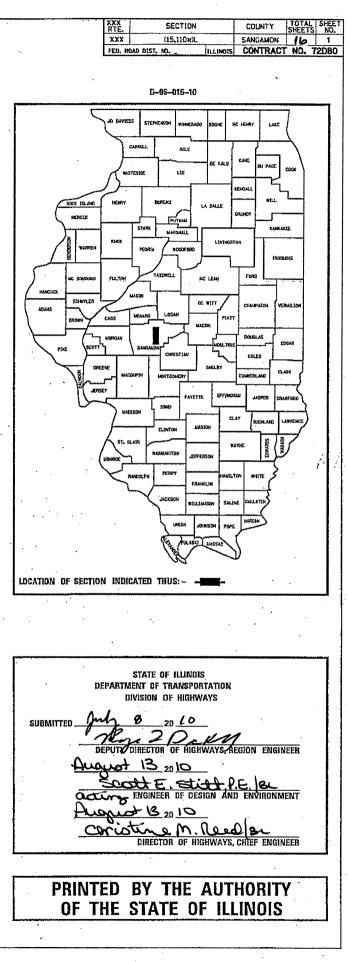
ENGINEERING SCALES, REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

PLAN AND CONTRACT TECHNICIAN TIMOTHY SHARP (217)782-7743

CONTRACT NO. 72D80

GROSS LENGTH = 1,907.00 FT. = 0.361 MILE



INDEX

COVER 1

2 INDEX/STANDARDS/SIGNATURES/LEGEND

3-4 QUANTITIES

5 SCHEMATICS

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13-14 DETAILS

15-16* NIGHTIME LIGHTING INSPECTION

16-NOT USED

STANDARDS

701101-02 701106-02 701601-06 701602-04 701606-06 701701-06 701901-01 836001 8250/6

ELECTRICAL SYMBOLS LEGEND

ELECTRICAL SERVICE INSTALLATION, 240/480V, 1 PHASE, FOUR WIRE



PROPOSED LIGHTING CONTROLLER

LIGHT POLE, ALUMINUM, 50 FT. M.H., 15 FT DAVIT ARM WITH 400W HPS LUMINAIRE, BREAKAWAY COUPLINGS

LIGHT POLE, ALUMINUM, 50 FT. M.H., TWIN 15 FT. DAVIT ARMS WITH 400W HPS LUMINAIRES

UNIT DUCT IN TRENCH, SIZE AND TYPE AS INDICATED.

UNIT DUCT IN CONDUIT, SIZE AND TYPE AS INDICATED.

— CONDUIT PUSHED, 2" DIA., PVC SCH. 80.

CABLE SCHEDULE

 $\langle A \rangle$ UNIT DUCT, 600V, 2-1C NO. 10, 1/C NO. 10 GROUND, (XLP - TYPE USE), 3/4" DIA. POLYETH (B) UNIT DUCT, 600V, 2-1C NO. 8, 1/C NO. 8 GROUND, (XLP - TYPE USE), 3/4" DIA. POLYETHYL

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STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATIO DIVISION OF HIGHWAYS DISTRICT 6	DN	, , ,			,
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AINED 20 20 ARMLY ENGINEER OF PROGRAM DEVELO	DPMENT	• • •			
YETHYLENE.					
THYLENE.					
STEVENS SECT	DS/SIGN/LE SON DR/I 55 TON (15,110X) AMON COUNT	BUS L		•	

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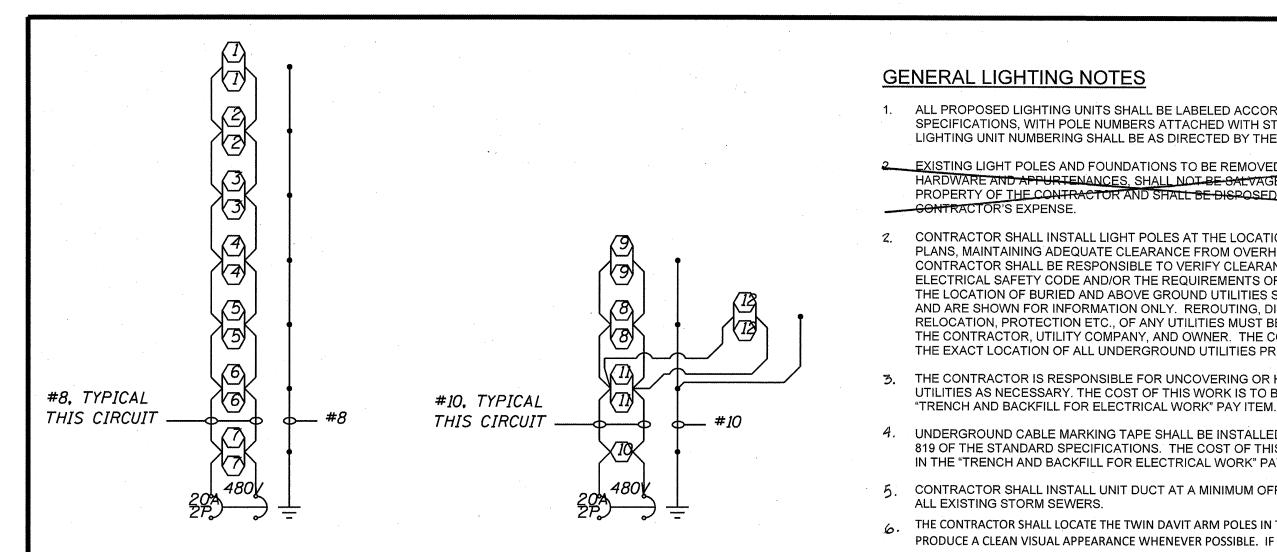
<u> </u>		S	SHEET 3 OF 1
	SUMMARY OF QUANTITIES		URBAN
			100% STAT
CODE NO.	ITEM	UNIT	Y030-16
			TOTAL QT
0102625	TRAFFIC CONTROL AND PROTECTION, STANDARD 701606	LSUM	1
0.400070	TRAFELO CONTROL AND PROTECTION STANDARD 701601	L SUM	
0102630	TRAFFIC CONTROL AND PROTECTION, STANDARD 701601		1
0102632	TRAFFIC CONTROL AND PROTECTION, STANDARD 701602	· L SUM	1
0102002			
0102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1
	· · · · · · · · · · · · · · · · · · ·		
0400100	ELECTRIC SERVICE INSTALLATION	EACH	1
		FOOT	351
1021330	CONDUIT PUSHED, 2" DIA., PVC	1001	<u> </u>
1603000	UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	1,819
1003000		· ·	
1603010	UNIT DUCT, 600V, 2-1C NO.10,1/C NO.10 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	1,163
		·	
1900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	2,406
	LUNTRATES CODENIN MADOD - MODEZONTAL MOUNT - 400 WATT	EACH	23
2102400 2106700	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 400 WATT (MATERIAL ONLY)	EACH	3
2500340	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 480VOLT, 60 AMP	EACH	
2000010			
3053150	LIGHT POLE, ALUMINUM, 50 FT. M.H., 15 FT. DAVIT ARM - TWIN	EACH	· 11
7100100	MOBILIZATION	LSUM	1
	THE THE ALL FORT AND FORT AND THE ADA THE ADA THE ADA THE	EADIN	•.
8303150	LIGHT POLE, ALUMINUM, 50 FT. M.H., 15 FT. DAVIT ARM, TWIN (MATERIAL ONLY)	EACH	<i>⊥</i>
3004601	LIGHT POLE, ALUMINUM, 50 FT. M.H., 15 FT. DAVIT ARM (MATERIAL ONLY)	EACH	2
	Γ		NTITIES
			N DR/I 55 BU
			ON (15,110X)L
	Roy		MON COUNTY
	<u>/ \\- /3</u>		

CODE NO.	ITEM	UNIT	100% STATE Y030-IE TOTAL QTY
83004600	LIGHT POLE, ALUMINUM, 50 FT. M.H., 15 FT. DAVIT ARM	EACH	
83600357	LIGHT POLE FOUNDATION METAL, 15" BOLT CIRCLE, 8" X 8'	EACH	12
83800650	BREAKAWAY DEVICE, COUPLING, WITH STAINLESS STEEL SCREEN	EACH	4 4
84200600	REMOVAL OF EXISTING LIGHTING UNIT, NO SALVAGE	EACH	24
84200804	REMOVAL OF POLE FOUNDATION	EACH	24
84500110	REMOVAL OF LIGHTING CONTROLLER	EACH	1
84500120	REMOVAL OF ELECTRIC SERVICE INSTALLATION	EACH	1
84500130	REMOVAL OF LIGHTING CONTROLLER FOUNDATION	EACH	1
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			ANTITIES

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LIGHTING CKT 1 PROPOSED LIGHTING CONTROLLER NO. 1 LIGHTING CKT 2 PROPOSED LIGHTING CONTROLLER NO. 1

NOTES:

I. ALL NECESSARY REVISIONS TO THE WIRING SHOWN ON THIS SHEET SHALL BE MADE AT NO ADDITIONAL COST TO THE DEPARTMENT AND TO THE SATISFACTION OF THE ENGINEER.

400W ROADWAY LUMINAIRE

CONTRACT: 72D80 SHEET 5 OF 16

Rev.

BE INCIDENTAL TO THE CONTRACT.

ALL PROPOSED LIGHTING UNITS SHALL BE LABELED ACCORDING TO THE STANDARD SPECIFICATIONS, WITH POLE NUMBERS ATTACHED WITH STAINLESS STEEL BANDING. LIGHTING UNIT NUMBERING SHALL BE AS DIRECTED BY THE ENGINEER.

EXISTING LIGHT POLES AND FOUNDATIONS TO BE REMOVED, AND ALL ASSOCIATED HARDWARE AND APPURTENANCES, SHALL NOT BE SALVAGED BUT SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF OFF SITE AT THE

CONTRACTOR SHALL INSTALL LIGHT POLES AT THE LOCATIONS INDICATED ON THE PLANS, MAINTAINING ADEQUATE CLEARANCE FROM OVERHEAD UTILITY LINES. CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY CLEARANCES PER THE NATIONAL ELECTRICAL SAFETY CODE AND/OR THE REQUIREMENTS OF THE UTILITY COMPANIES. THE LOCATION OF BURIED AND ABOVE GROUND UTILITIES SHOWN ARE APPROXIMATE AND ARE SHOWN FOR INFORMATION ONLY. REROUTING, DISCONNECTION. RELOCATION, PROTECTION ETC., OF ANY UTILITIES MUST BE COORDINATED BETWEEN THE CONTRACTOR, UTILITY COMPANY, AND OWNER. THE CONTRACTOR SHALL VERIFY THE EXACT LOCATION OF ALL UNDERGROUND UTILITIES PRIOR TO CONSTRUCTION.

THE CONTRACTOR IS RESPONSIBLE FOR UNCOVERING OR HAND DIGGING AROUND UTILITIES AS NECESSARY. THE COST OF THIS WORK IS TO BE INCLUDED WITH THE

UNDERGROUND CABLE MARKING TAPE SHALL BE INSTALLED ACCORDING TO SECTION 819 OF THE STANDARD SPECIFICATIONS. THE COST OF THIS WORK IS TO BE INCLUDED IN THE "TRENCH AND BACKFILL FOR ELECTRICAL WORK" PAY ITEM.

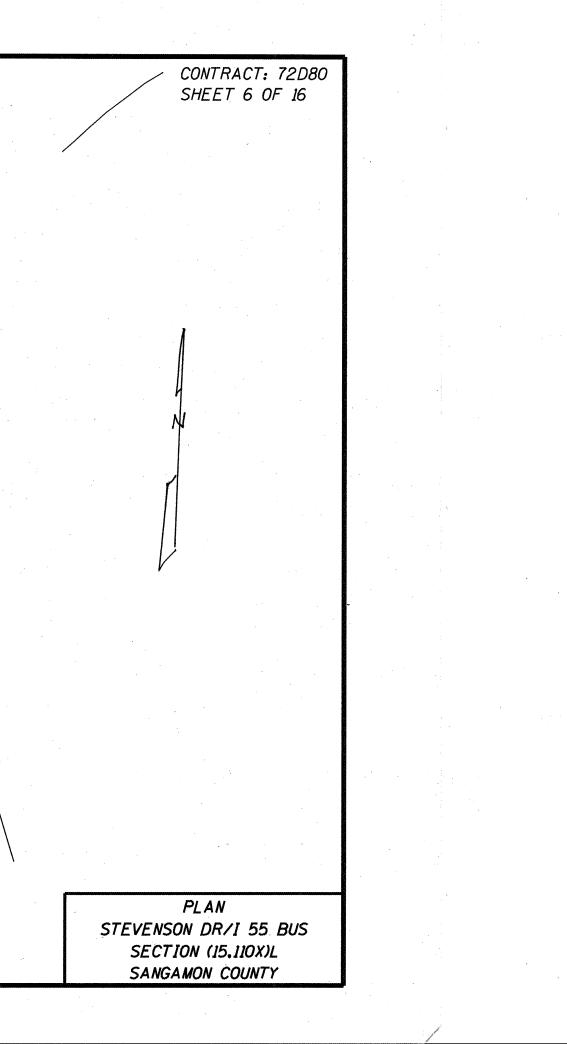
CONTRACTOR SHALL INSTALL UNIT DUCT AT A MINIMUM OFFSET OF FIVE FEET FROM

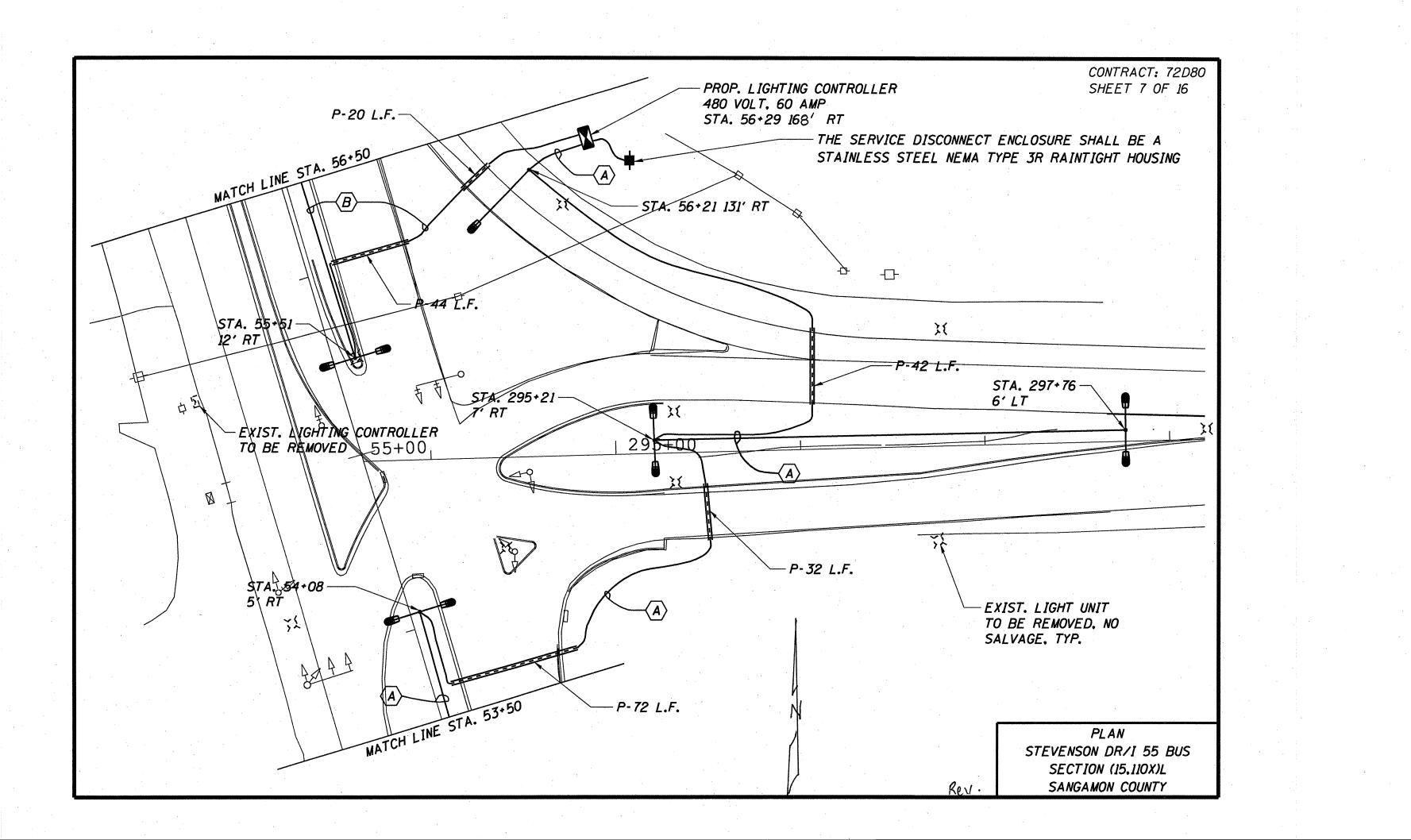
THE CONTRACTOR SHALL LOCATE THE TWIN DAVIT ARM POLES IN THE MEDIAN IN A STRAIGHT LINE TÔ PRODUCE A CLEAN VISUAL APPEARANCE WHENEVER POSSIBLE. IF CONFLICTS WITH UNDERGROUND FACILITIES ARE ENCOUNTERED, CONSULT THE ENGINEER.

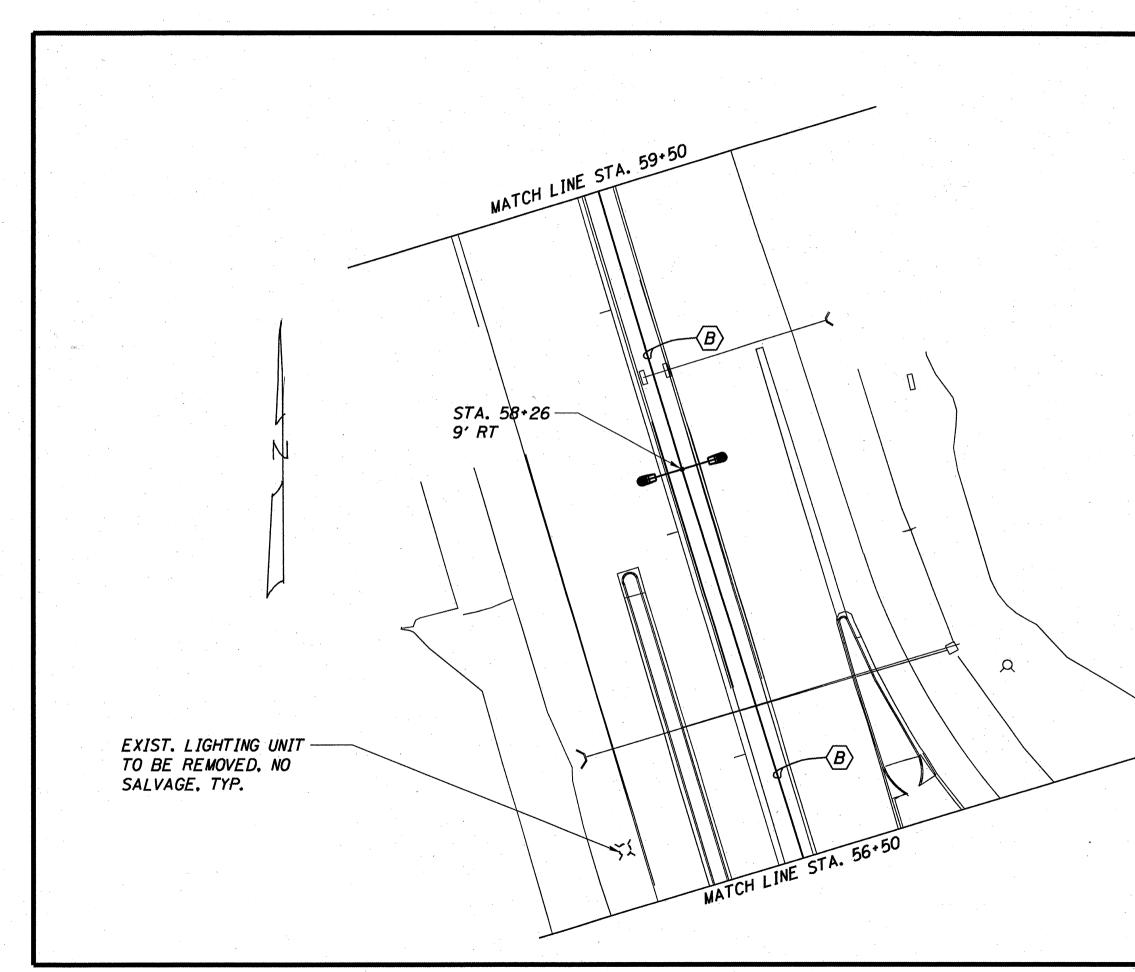
THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING THE LIGHTING SYSTEM UNTIL IDOT HAS TAKEN ACCEPTANCE OF THE SYSTEM. ALL EXISTING CIRCUITS AND CABLES TO THE LIGHT POLES SHALL BE MAINTAINED AS NEEDED AND THIS WORK SHALL

> SCHEMATICS STEVENSON DR/I 55 BUS SECTION (15.110X)L SANGAMON COUNTY

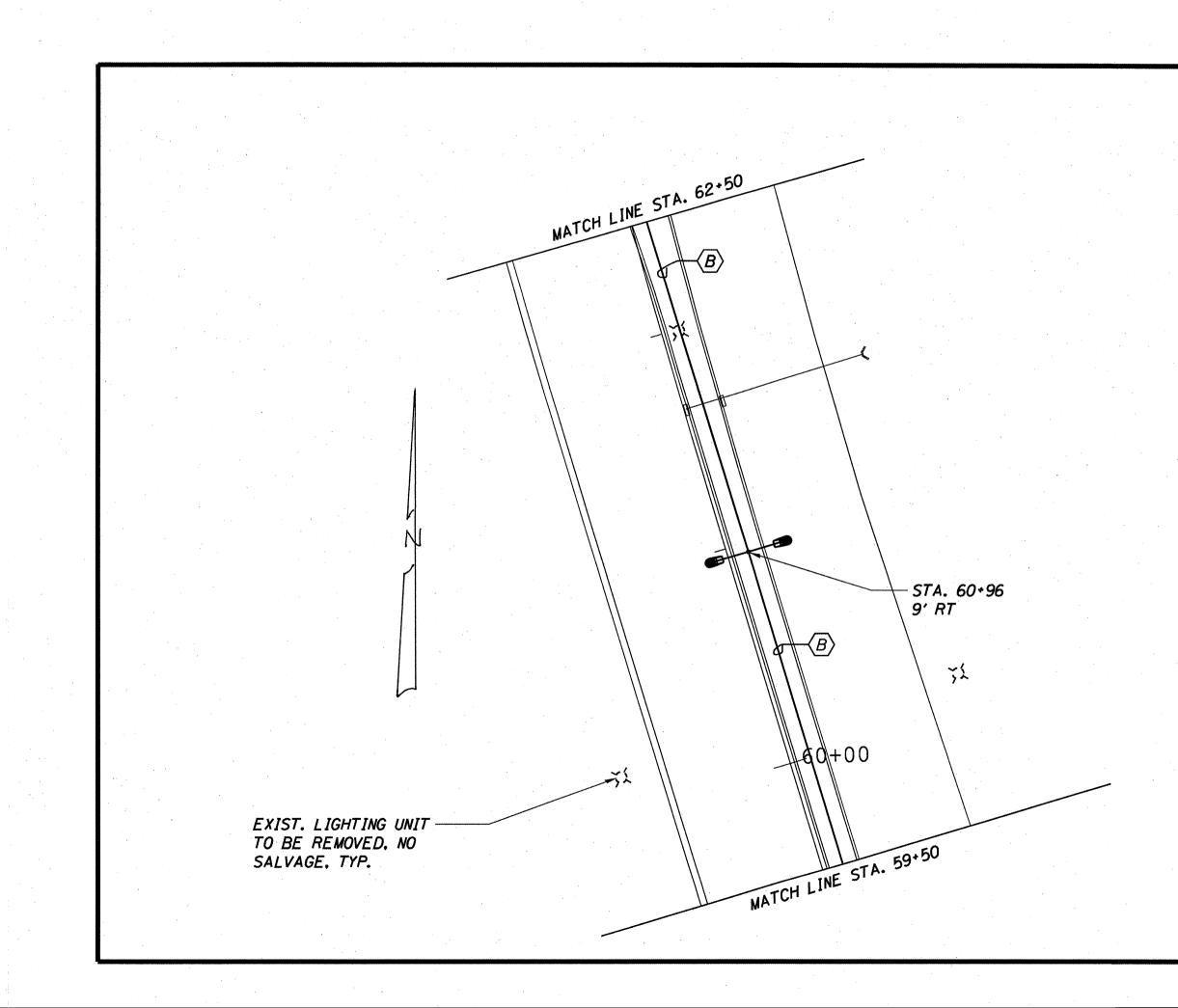
MATCH LINE STA. 53+50 72 $\langle A \rangle$ 172 -in EXIST. LIGHTING UNIT TO BE REMOVED. NO SALVAGE. TYP. 0 -- STA. 51+38 0.00' RT γí. 沆

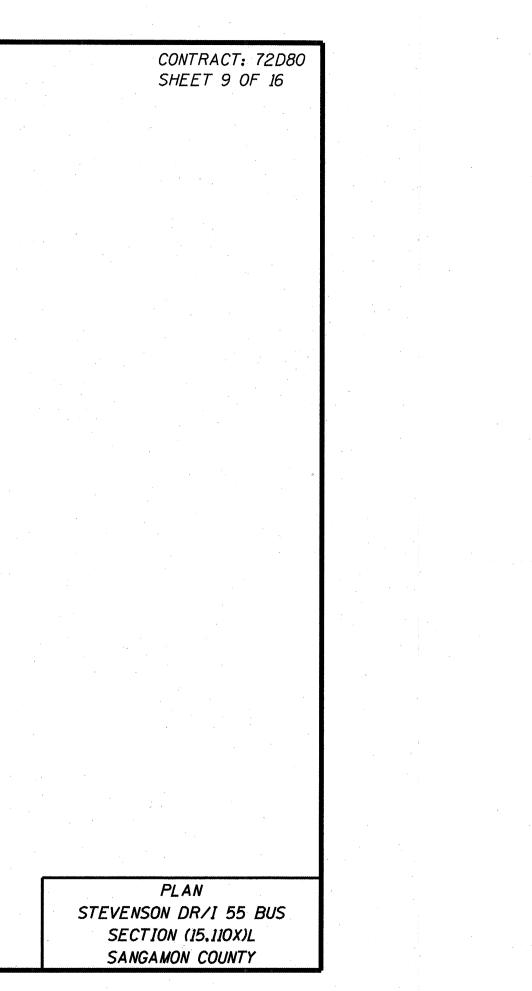


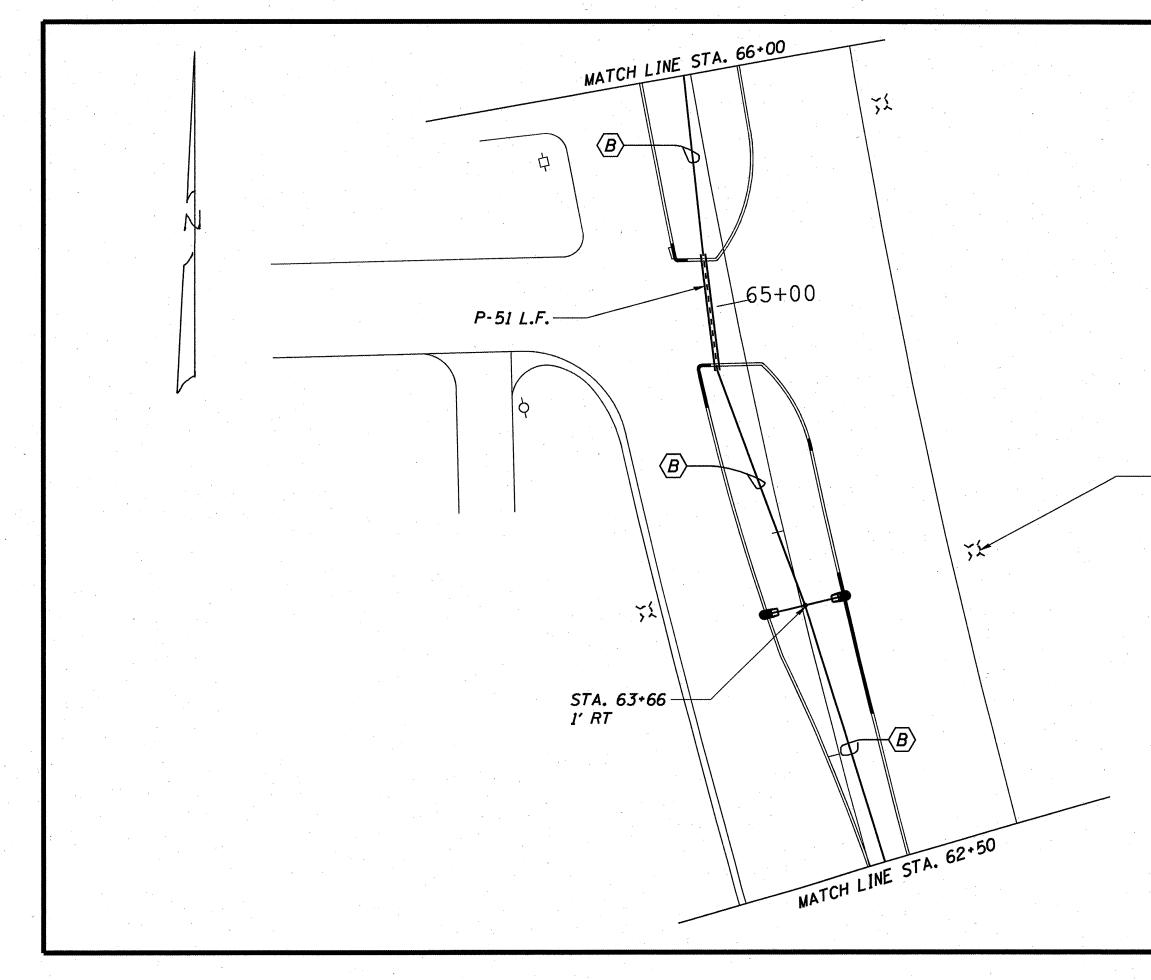




CONTRACT: 72D80 SHEET 8 OF 16 PLAN STEVENSON DR/I 55 BUS SECTION (15.110X)L SANGAMON COUNTY



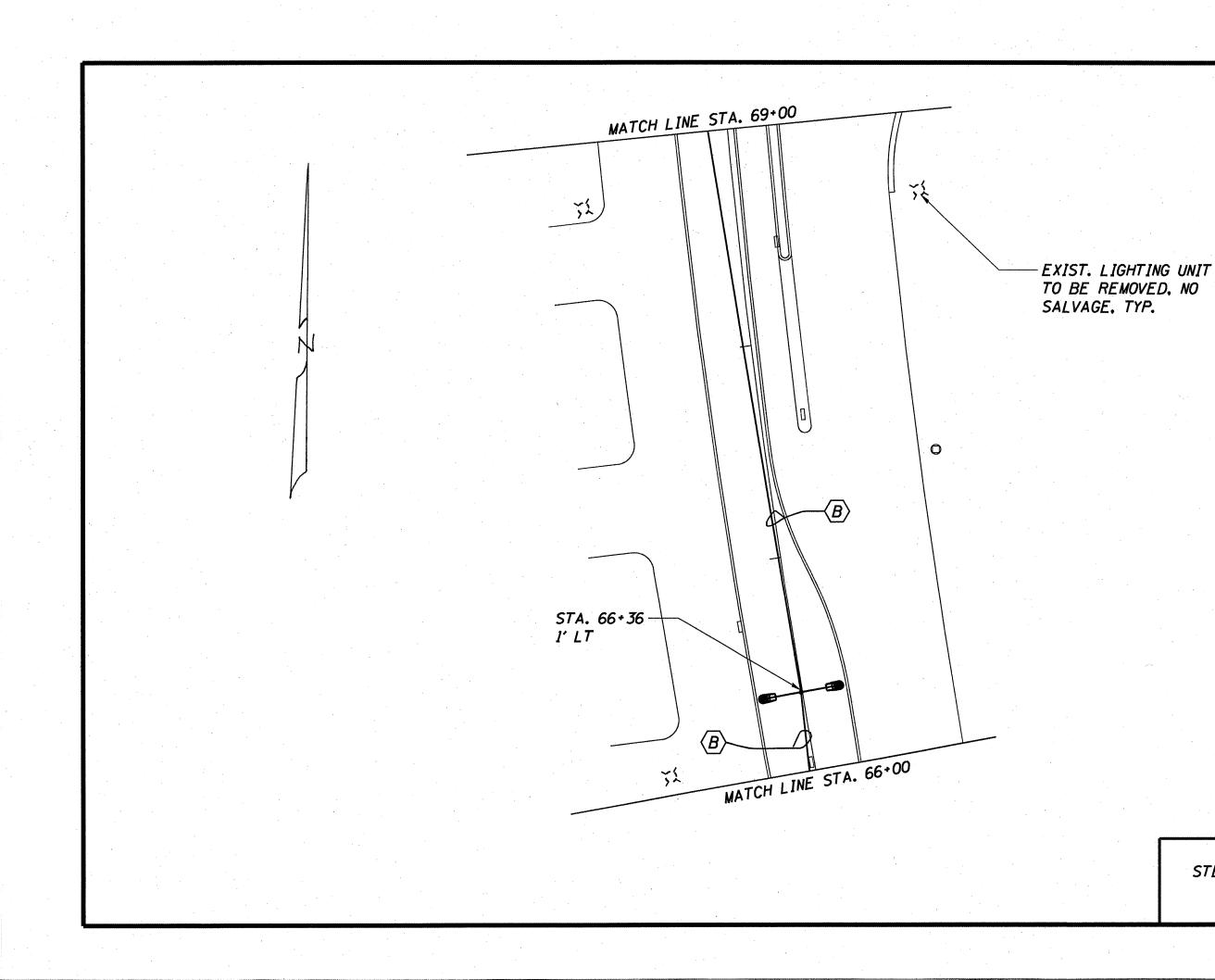


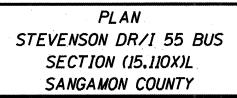


CONTRACT: 72D80 SHEET 10 OF 16

-EXIST. LIGHTING UNIT TO BE REMOVED. NO SALVAGE. TYP.

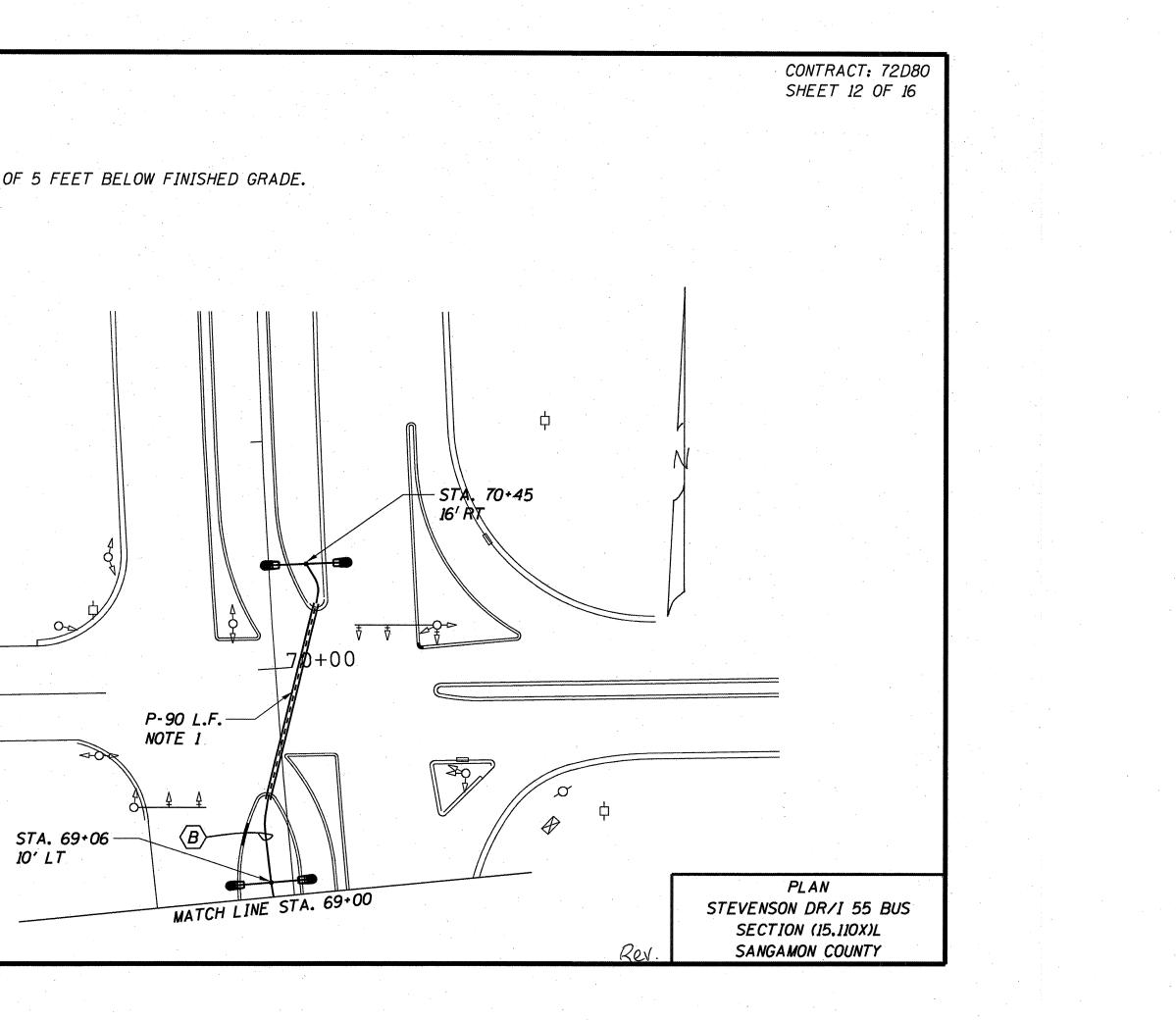
> PLAN STEVENSON DR/I 55 BUS SECTION (15,110X)L SANGAMON COUNTY

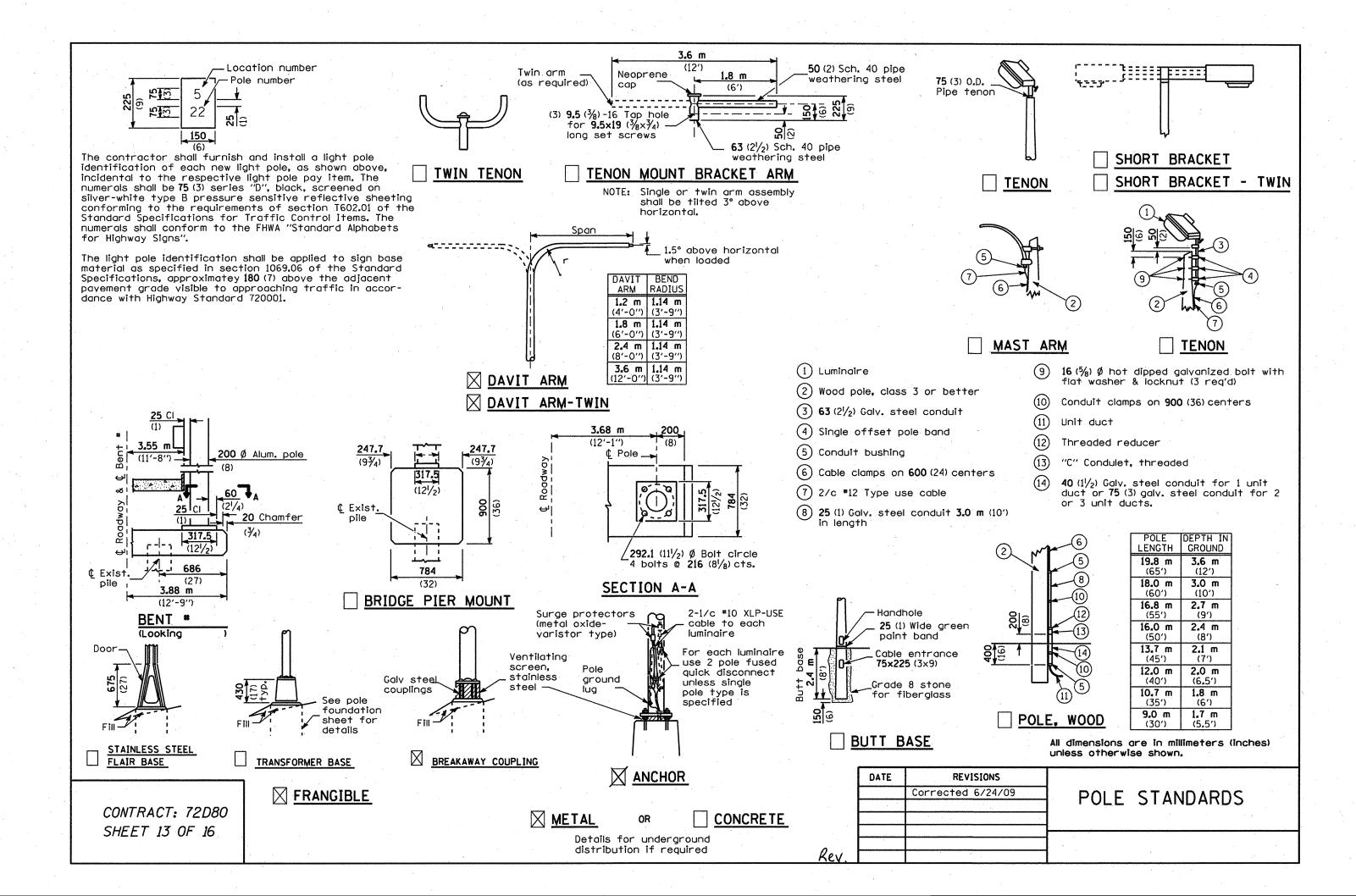


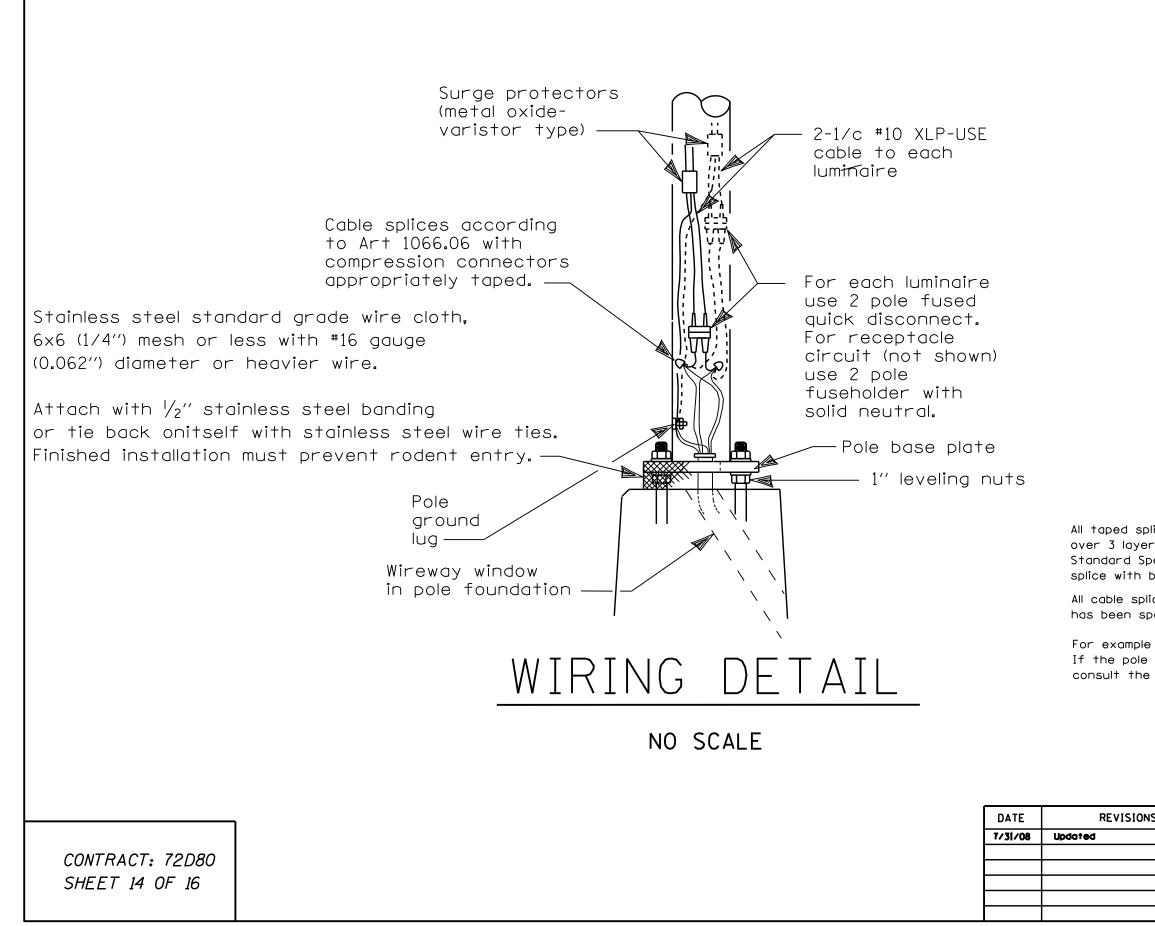


CONTRACT: 72D80 SHEET 11 OF 16 NOTES:

1. CONDUIT SHALL HAVE A MINIMUM DEPTH OF 5 FEET BELOW FINISHED GRADE.







GENERAL NOTES

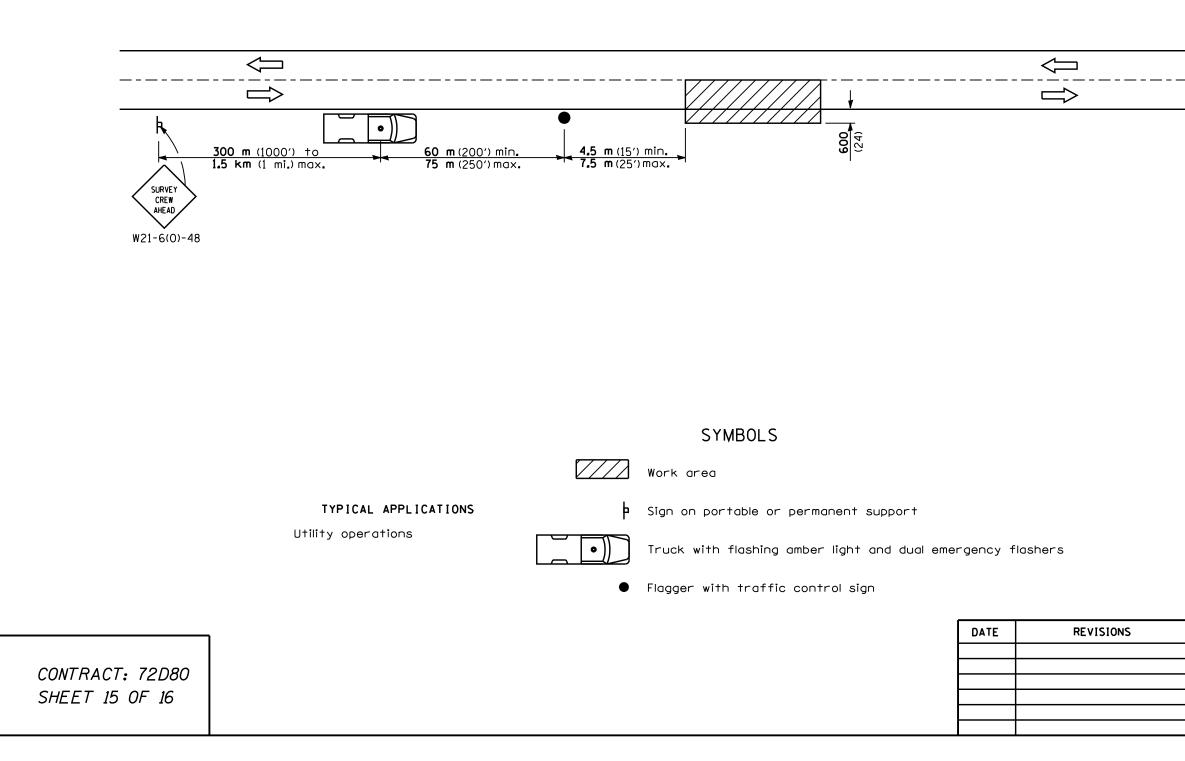
All taped splices shall use 2 layers of electrical tape over 3 layers of rubber tape as required by the Standard Specifications. Coat the finished taped splice with bonding compound.

All cable splices shall be taped unless another method has been specifically approved by the Engineer.

For example purposes the pole is shown on an anchor base. If the pole is required to be set on a breakaway base, consult the Standard Specifications.

All	dime	ensions	are	in	millimeters	(inches)
unl	less	otherw	ise	sho	wn.	

5			
	POLE	HANDHOLE	WIRING



DETAIL FOR
NIGHTTIME LIGHTING
INSPECTION

All dimensions are in millimeters (inches) unless otherwise shown.