



UTILITY POLE, PRIMARY CUT-OUTS, TRANSFORMER(S) (AS APPLICABLE)
ALL BY THE ELECTRIC UTILITY.
THE CONTRACTOR SHALL COORDINATE AND COOPERATE AS REQUIRED.

PROVIDE ADEQUATE SLACK FOR DRIP LOOP AND CONNECTION BY THE UTILITY

UTILITY GROUND CONNECTION (AS APPLICABLE), BY UTILITY

NON-METALLIC 'U' GUARD FURNISH FOR INSTALLATION BY ELECTRIC UTILITY. LENGTH AS REQUIRED.

UTILITY GROUND, AS APPLICABLE, (BY ELECTRIC UTILITY)

CONDUIT/CONDUCTOR SEALING BUSHING, SIZE AND CONDUIT CONFIGURATION TO MATCH SERVICE. OZ GEOMEY TYPE CSB/IG OR APPROVED EQUAL. COMPLETE WITH LOCKING COLLAR.

ASCERTAIN AND ASSURE CLEARANCE FROM UTILITY SECONDARY SPACE, AS APPLICABLE.

2-HOLE STRAP FOR RIGID CONDUIT, ZINC PLATED STEEL, O.Z. GEOMEY TYPE TH-1800 OR APPROVED EQUAL, ATTACHED WITH LAG SCREWS. (TYPICAL)

APPROXIMATELY 10' 6"

RIGID STEEL CONDUIT RISER (CONTINUOUS 10' LENGTH)

HEAVY DUTY GROUND CLAMP, UNIVERSAL U-CLAMP TYPE BE O.Z. GEOMEY, T&B OR APPROVED EQUAL.

RIGID GALVANIZED THREADED COUPLING.

PVC-COATED RIGID NIPPLE OR CONDUIT EXTENSION, LENGTH AS REQUIRED.

APPROX. 6"

EXOTHERMIC WELD CONNECTION

PVC-COATED RIGID ELBOW 608.6mm RADIUS (MIN.) SEE NOTE

762.0mm MIN. - 914.0mm MAX. (30" MIN. - 36" MAX.) TO TOP OF CONDUIT

THREADED TRANSITION COUPLING, AS APPLICABLE (SEE NOTE 7)

GROUNDING ELECTRODE CONDUCTOR, BARE COPPER, #1/0 AWG. MINIMUM.

UTILITY GROUNDING ELECTRODE (AS APPLICABLE), BY UTILITY

EXTENSION MEASURED FOR PAYMENT

CUSTOMER SERVICE RISER GROUND ELECTRODE 15.875mm X 3.048M (5/8"X10) COPPERCLAD GROUND ROD (IN UNDISTURBED SOIL)

NOTES:

- SERVICE VOLTAGE SHALL BE AS INDICATED ELSEWHERE IN THE DRAWINGS.
- UNLESS OTHERWISE INDICATED, ITEMS AND WORK SHALL BE INCLUDED AND PAID AS PART OF ELECTRIC UTILITY SERVICE INSTALLATION.
- CONDUIT AND CONNECTOR DIAMETER SHALL MATCH THE DIAMETER OF THE SERVICE CONDUIT RACEWAY AS INDICATED.
- PVC COATED RACEWAYS AND ACCESSORIES SHALL BE CAREFULLY INSTALLED WITH MF RECOMMENDED TOOLS AND PROCEDURES TO AVOID DAMAGE. ANY DAMAGE SHALL BE REPAIRED WITH COMPATIBLE PVC TOUCH-UP MATERIAL TO THE SATISFACTION OF THE ENGINEER OR THE DAMAGED MATERIAL SHALL BE REPLACED AT NO ADDITIONAL COST.
- THE CONTRACTOR SHALL OBTAIN INSPECTION AND APPROVAL BY THE ENGINEER OF SERVICE RISER GROUND ELECTRODE, RISER ELBOW, NIPPLE AND CONNECTION TO SERVICE CONDUIT RACEWAY EXTENSION BEFORE BACKFILL AND SHALL ALSO OBTAIN INSPECTION OF SERVICE RISER AND SEALING BUSHING BEFORE UTILITY 'U' GUARD INSTALLATION AND SERVICE CONNECTION.
- THE SERVICE METER SOCKET, AS APPLICABLE, MOUNTED ELSEWHERE AS INCLUDED SHALL BE INCLUDED AND PAID AS PART OF THE ELECTRICAL UTILITY SERVICE INSTALLATION PAY ITEM.
- THE SERVICE CONDUIT RACEWAY SHALL BE AS INDICATED AND SHALL BE MEASURED SEPARATELY FOR PAYMENT. WHEN THE RACEWAY IS PVC-COATED RIGID GALVANIZED STEEL, THE COUPLING SHALL BE THE SAME. WHEN THE RACEWAY IS PVC CONDUIT (IN CONCRETE), THE COUPLING SHALL BE A METALLIC TO NON-METALLIC ADAPTER. WHEN THE RACEWAY IS ENCASED IN CONCRETE, THE CONCRETE SHALL EXTEND TO COVER THE COUPLING.
- PLANS AND DETAILS INDICATE THE GENERAL NATURE AND REQUIREMENTS. THEY DO NOT SHOW EVERY ACCESSORY AND ATTACHMENT, AND THEY DO NOT RELIEVE THE CONTRACTOR OF THE REQUIREMENTS OF THE SPECIFICATIONS AND SPECIAL PROVISION TO ASCERTAIN UTILITY REQUIREMENTS AND TO COORDINATE ACCORDINGLY, FURNISHING ALL ITEMS AND WORK NOT PROVIDED BY THE UTILITY, BUT NECESSARY FOR A COMPLETE SERVICE INSTALLATION.

SERVICE CONNECTION FOR CONTROL CABINETS



FILE NAME = 09627.LGHT.DTLS.01 - P05	USER NAME =	DESIGNED — DWS	REVISED —	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FAP 0344 (127TH STREET) AT SACRAMENTO AVENUE STREET LIGHTING DETAILS		F.A.U. RTE. 0344	SECTION 06-00175-00-TL	COUNTY COOK	TOTAL SHEETS 48	SHEET NO. 19	
PLOT SCALE = 1"=1'		CHECKED — PAP	REVISED —		SCALE: NA	SHEET NO. 19 OF 48 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT F-0344 (041)				
PLOT DATE = 02-22-12		DRAWN — LTL	REVISED —		CONTRACT NO. 63613							
		CHECKED — AG	REVISED —									