



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

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

UTILITY GROUND CONNECTION. (AS APPLICABLE) BY UTILITY

UTILITY GROUND. AS APPLICABLE (BY ELECTRIC UTILITY)

CONDUIT/CONDUCTOR SEALING BUSHING, SIZE AND CONDUCTOR CONFIGURATION TO MATCH SERVICE. O.Z. GEDNEY TYPE CSB/G 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. GEDNEY 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 BY O.Z. GEDNEY, T&B OR APPROVED EQUAL.

RIGID GALVANIZED THREADED COUPLING

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

APPROX. 6"

EXOTHERMIC WELD CONNECTION, SEE NOTE

PVC COATED RIGID ELBOW 609.6mm 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/C 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)

**PROPOSED SERVICE INSTALLATION  
POLE TOP MOUNTED TRANSFORMER**

**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 SERVICE CONDUCTOR RACEWAY AS INDICATED.
- PVC COATED RACEWAY AND ACCESSORIES SHALL BE CAREFULLY INSTALLED WITH MFR 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 CONDUCTOR RACEWAY EXTENSION BEFORE BACKFILL AND SHALL ALSO OBTAIN INSPECTION OF SERVICE RISER AND SEALING BUSHING BEFORE UTILITY 1/32" U" 3/32" GUARD INSTALLATION AND SERVICE CONNECTION.
- THE SERVICE METER SOCKET, AS APPLICABLE, MOUNTED ELSEWHERE AS INDICATED SHALL BE INCLUDED AND PAID AS PART OF THE ELECTRICAL UTILITY SERVICE INSTALLATION PAY ITEM.
- THE SERVICE CONDUCTOR 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 PROVISIONS TO ASCERTAIN UTILITY REQUIREMENTS AND TO COORDINATE ACCORDINGLY. FURNISHING ALL ITEMS AND WORK NOT PROVIDED BY THIS UTILITY, BUT NECESSARY FOR A COMPLETE SERVICE INSTALLATION.



SFILES  
SDATES

Sunjoy Inc.  
Area Lighting  
Consulting Engineers  
212 TIMBERCREST DRIVE  
SCHALMBURG, ILLINOIS  
60193-1572

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION  
CITY OF BRAIDWOOD, WILL COUNTY BE-220  
ILLINOIS ROUTE 113 (MAIN STREET)  
ORNAMENTAL LIGHTING IMPROVEMENT  
**ELECTRIC SERVICE INSTALLATION  
POLE TOP MOUNTED TRANSFORMER**

SCALE: NONE  
DATE: 10-15-09  
DRAWN BY: HKQ  
CHECKED BY: JS

REVISED 11-22-09