

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
2582	10-00102-00-LT	COOK	13	4
ILLINOIS		CONTRACT NO. 63564		



LEGEND

- EXISTING LIGHTING UNIT TO REMAIN IN PLACE MAINTAINED BY THE VILLAGE
- PROPOSED LIGHT POLE, ALUMINUM 40 FT MOUNTING HEIGHT, 6 FT MAST ARM 15" DIA BOLT CIRCLE. LUMINAIRE 250 WATT HPS M.C. III 240 VOLT (LINE TO NEUTRAL) BALLAST AUTO REG TYPE. THE POLE MOUNTED ON BREAKWAY TRANSFORMER BASE
- HPS LAMP WATTAGE
40 - 400 WATT HPS LAMP
25 - 400 WATT HPS LAMP
- EXISTING LIGHTING CONTROLLER, REMAIN IN PLACE. MAINTAINED BY THE VILLAGE
- EXISTING BURIED LIGHTING CIRCUIT THE CONTRACTOR MUST VERIFY IN FIELD
- R -- R -- DISCONNECT AND REMOVE EXISTING CIRCUIT SPAN
- PROPOSED POLYETHYLENE UNIT DUCT
3-1/C NO. 4 & 11/C NO. 6 GROUND, 600 V (XLP-TYPE USE), 1/4" DIA. POLYETHYLENE CABLE SHALL BE FULLY PIGMENTED COLOR CODED
- DISCONNECT EXISTING LIGHTING CIRCUIT BETWEEN CONTROLLER AND HANHOLE
DISCONNECT UTILITY ELECTRIC POWER, REMOVE EXISTING LIGHTING CONTROLLER AND DELIVER TO THE VILLAGE STORAGE YARD.

GROUND ROD:

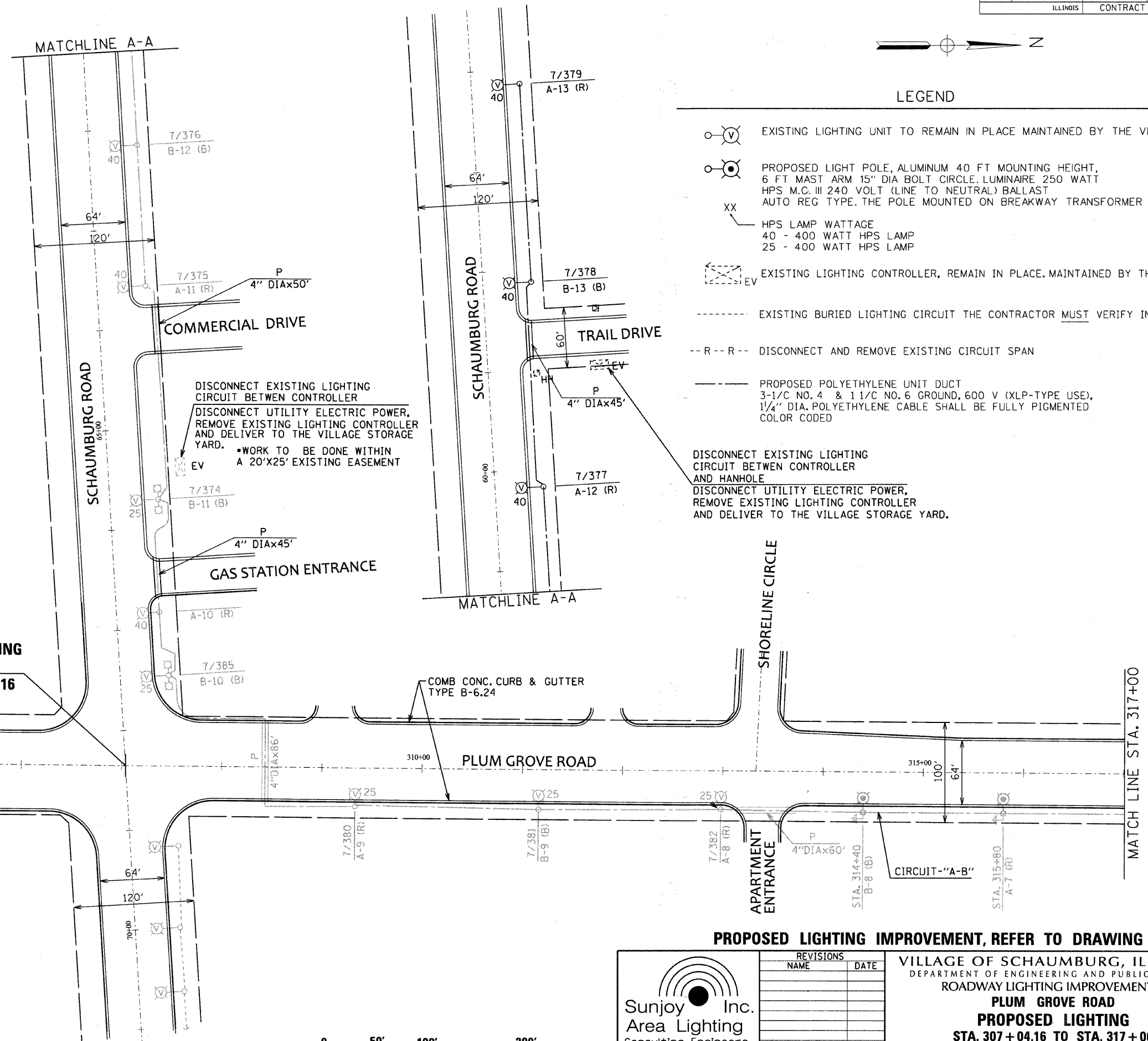
THE CONTRACTOR SHALL FURNISH AND INSTALL AS IDENTIFIED ON THE PROJECT PLANS GROUNDING ROD WITH THE FOLLOWING APPLICABLE PAY ITEMS.

1. #836 - LIGHT POLE FOUNDATION
2. #825 - LIGHTING CONTROLLER
3. #814 - HANDHOLE
4. #813 - JUNCTION BOX
5. #804 - ELECTRIC SERVICE INSTALLATION
6. #830 - LIGHT POLE WOOD

THE GROUNDING ROD DIAMETER AND LENGTH IS NOTED ON THE PROJECT PLANS. THE GROUNDING ROD SHALL CONFORM TO THE ARTICLE #1087.01 (b) OF THE STANDARD SPECIFICATIONS.

THIS ITEM SHALL ALSO INCLUDE BARE COPPER GROUNDING ELECTRODE CONDUCTOR (SIZE AS SHOWN ON THE PLAN) AND MECHANICAL GROUND CLAMP (UL LISTED) AND/OR EXOTHERMIC WELD CONNECTION FOR CONTINUOUS GROUNDING (NEC ARTICLE #250) FOR ELECTRIC POWER SERVICE AND SYSTEM EQUIPMENT.

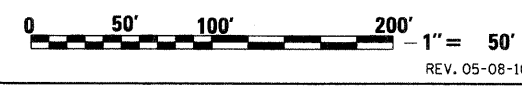
THE GROUNDING ROD SHALL BE INSTALLED AS SHOWN IN THE CONTRACT PLANS AND AS DIRECTED BY THE ENGINEER. MATERIAL COST OF GROUNDING ROD WITH ATTACHED APPURTENANCES AND LABOR COST FOR INSTALLATION SHALL NOT BE PAID SEPARATELY BUT SHALL BE INCLUDED WITH THE ABOVE ASSOCIATED PAY ITEMS.



**BEGIN LIGHTING PROJECT
STA. 307 + 04.16**

NOTE:

- THE CONTRACTOR SHALL VERIFY IN FIELD:
1. EXISTING LIGHTING SYSTEM AND LIGHTING CIRCUIT.
 2. LUMINAIRE HAS MULTI-TAP BALLAST. THE CONTRACTOR MUST CORRECT BALLAST VOLTAGE 120 NEUTRAL TO 240 VOLT-NEUTRAL.
 3. NUMBER AND DIAMETER OF RACEWAYS IN EXISTING FOUNDATION.



PROPOSED LIGHTING IMPROVEMENT, REFER TO DRAWING #E-3.

REVISIONS	
NAME	DATE

VILLAGE OF SCHAUMBURG, ILLINOIS
DEPARTMENT OF ENGINEERING AND PUBLIC WORKS
ROADWAY LIGHTING IMPROVEMENTS
PLUM GROVE ROAD
PROPOSED LIGHTING
STA. 307 + 04.16 TO STA. 317 + 00

SCALE: 1" = 50'
DATE: 9-21-09
DRAWN BY: HKO
CHECKED BY: JS

C:\SUNJOY\Projects\Village of Schaumburg\Plumgrove Road\Elec_01.dgn 1/4/2011