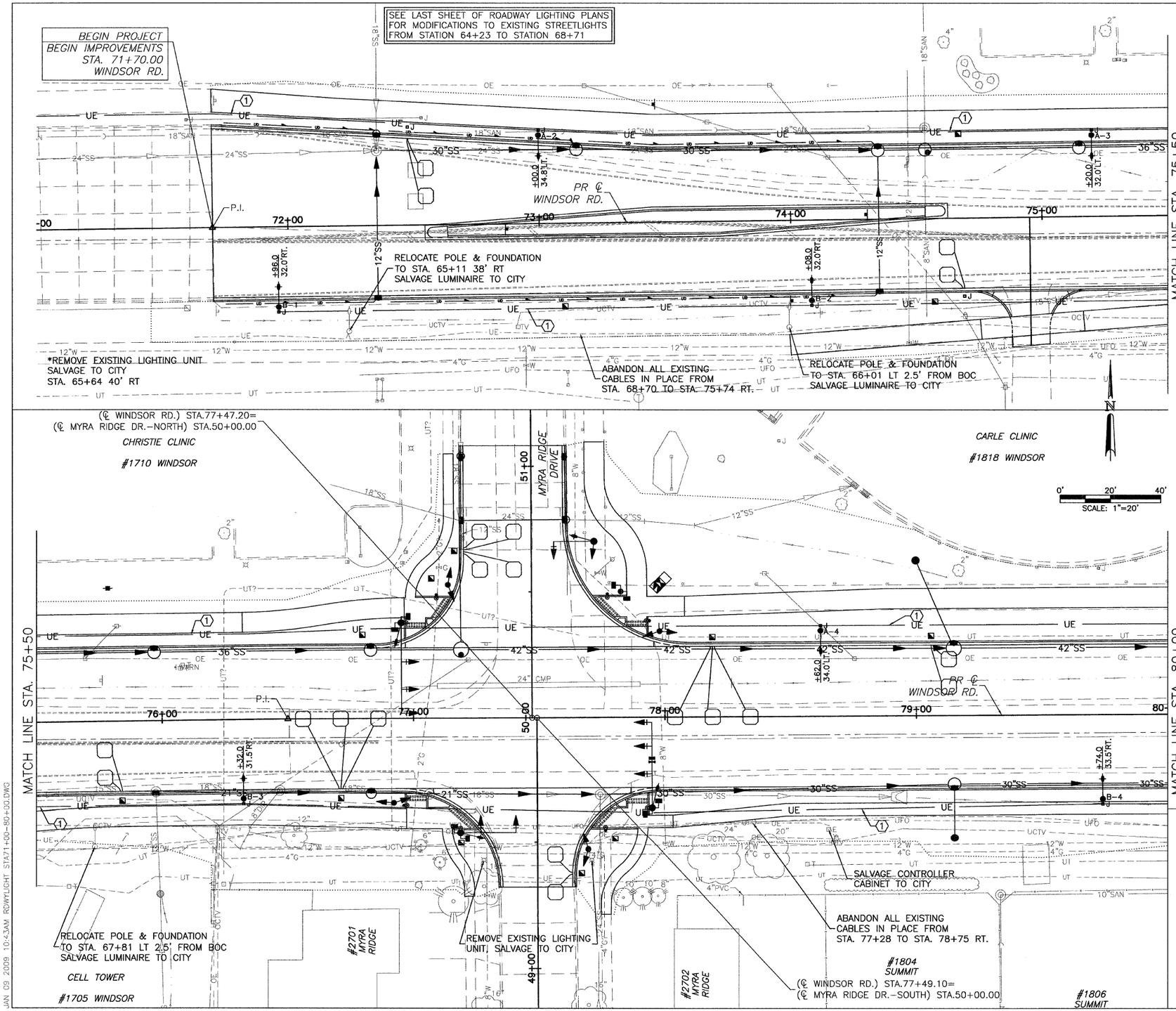
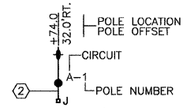
CONTRACT NO. 91391



ROADWAY LIGHTING LEGEND

- UE – CONDUIT IN TRENCH OR AUGERED WHERE INDICATED
- PROPOSED 400W MH LUMINAIRE WITH M-C-III DISTRIBUTION, WITH 15' TRUSS ARM MOUNTED ON TRAFFIC SIGNAL MAST ARM POLE. TRUSS ARM ORIENTATION SHALL BE AS INDICATED ON PLANS. TRUSS ARM, POLE, AND POLE FOUNDATION TO BE PROVIDED AND INSTALLED AS PART OF THE TRAFFIC SIGNAL INSTALLATION. COORDINATE LUMINAIRE INSTALLATION WITH POLE AND SIGNAL INSTALLATION.
- PROPOSED TRAFFIC SIGNAL CONTROLLER CABINET
- PROPOSED LIGHTING CONTROLLER
- PROPOSED 400W MH LUMINAIRE WITH M-C-III DISTRIBUTION, WITH 10' DAVIT ARM MOUNTED ON 40' POLE, WITH SCREW-IN STEEL FOUNDATION.
- J PROPOSED JUNCTION BOX. ALL JUNCTION BOXES SHALL BE 12"W x 12"L X 12"D UNLESS OTHERWISE NOTED.
- PROPOSED TRAFFIC SIGNAL HANDHOLE. (SEE TRAFFIC SIGNAL PLANS FOR LOCATIONS)

CIRCUIT, POLE, & JUNCTION BOX DESIGNATION SCHEME



CONDUIT/CABLE SCHEDULE

1	(1)	1-1/2" PVC CONDUIT WITH 2-#6, 1-#6 GND.
2	(1)	3/4" HDPE UNIT DUCT WITH 2-#10, 1-#10 GND.
3	(1)	2" PVC CONDUIT WITH 4-#6, 2-#6 GND.

ELECTRICAL GENERAL NOTES

1. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL REQUIRED PERMITS AND SHALL ARRANGE FOR AN INSPECTION OF THE SERVICE BY THE CITY OF URBANA ELECTRICAL INSPECTOR. THE CONTRACTOR SHALL CONTACT THE UTILITY COMPANY PRIOR TO COMMENCEMENT OF WORK TO OBTAIN THE UTILITY COMPANY'S REQUIRMENTS FOR THE SERVICE INSTALLATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING ALL SUPERVISION, LABOR, MATERIALS AND TOOLS FOR A COMPLETE AND WORKABLE SYSTEM.
2. ALL LOCATIONS AND DIMENSIONS SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD VERIFY ALL ELECTRICAL EQUIPMENT LOCATIONS AND EQUIPMENT DIMENSIONS.
3. ALL CONDUITS WITH WIRING SHALL BE PROVIDED WITH A COPPER INSULATED GROUNDING CONDUCTOR SIZED IN ACCORDANCE WITH THE 2005 NATIONAL ELECTRICAL CODE.
4. ALL SERVICE LATERAL CONDUITS SHALL BE SCHEDULE 40 PVC EXCEPT ALL ELBOWS AND VERTICAL RISERS WHICH SHALL BE RIGID GALVANIZED STEEL (RGS). ALL ELBOWS SHALL BE LONG RADIUS TYPE. CONTRACTOR SHALL VERIFY AND COMPLY WITH ALL AMEREN IP REQUIRMENTS FOR THE SERVICE INSTALLATION.
5. CONDUIT ROUTING SHOWN IS SCHEMATIC ONLY, CONTRACTOR SHALL COORDINATE EXACT ROUTING AND INSTALLATION WITH ALL OTHER SITE WORK BEING PERFORMED. COORDINATE ALL POLE LOCATIONS WITH ENGINEER IN FIELD.
6. PROVIDE PULLSTRING IN ALL CONDUITS, INCLUDING CONDUITS WITH CONDUCTORS INSTALLED.
7. ALL CONDUIT SHALL BE 24" BELOW FINAL GRADE UNLESS DIRECTED OTHERWISE BY THE ENGINEER. CONTRACTOR IS RESPONSIBLE FOR REPAIR TO ALL UNDERGROUND UTILITIES DAMAGED DURING INSTALLATION OF ROADWAY LIGHTING SYSTEM.
8. GROUND RODS SHALL BE 3/4" DIA. X 10'-0" LONG COPPER CLAD STEEL. GROUNDING ELECTRODE CONDUCTORS SHALL BE #6 SOLID COPPER AND SHALL BE EXOTHERMICALLY WELDED TO GROUNDING ELECTRODE. GROUND ROD SHALL BE INSTALLED ONLY AT POLE JUNCTION BOXES AND LIGHTING CONTROLLER.

I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE, INFORMATION, AND BELIEF, THIS LIGHTING DESIGN IS VISUALLY ADEQUATE FOR THE ROADWAY CLASSIFICATION AND GEOMETRY SHOWN ON THE PLANS. THE DESIGN IS AN ECONOMICAL ONE AND COMPLIES WITH REQUIREMENTS OF CHAPTER 56 OF THE BDE MANUAL.

DESIGN ENGINEER SEAL
JOSEPH L. SMITH
No. 37910
REGISTERED PROFESSIONAL ENGINEER
OF ILLINOIS

Joseph L. Smith
PROFESSIONAL ENGINEER
CITY OF URBANA, ILLINOIS

DATE: 1-06-09

LICENSE EXPIRES 11-30-2009

CITY OF URBANA
PUBLIC WORKS
ENGINEERING DIVISION

DRAWN BY: AJS
CHECKED BY: GLJ
DATED: 1/09
DESIGNED BY: JLS
CITY SECTION
00-00361-00-PV

WINDSOR ROAD IMPROVEMENTS
ROADWAY LIGHTING PLANS
STA 71+00 TO STA 80+00

SHEET NO. 82 OF 145

JAN 09 2009 10:43AM RDWYLIGHT STA71+00-80+00.DWG