

# STREET LIGHTING NOTES

## A. CONDUIT AND JUNCTION BOXES

1. 2 INCH (INSIDE DIAMETER) CONDUIT SHALL BE USED THROUGHOUT THE PROJECT. ALL CONDUIT SHALL BE PVC SCHEDULE 80 CONDUIT AS DETAILED IN THESE PLANS.
2. SEE SUBSECTION 679.04 CONCERNING THE PLACING OF CONDUIT, PULL BOXES AND JUNCTION BOXES.

## B. GROUNDING

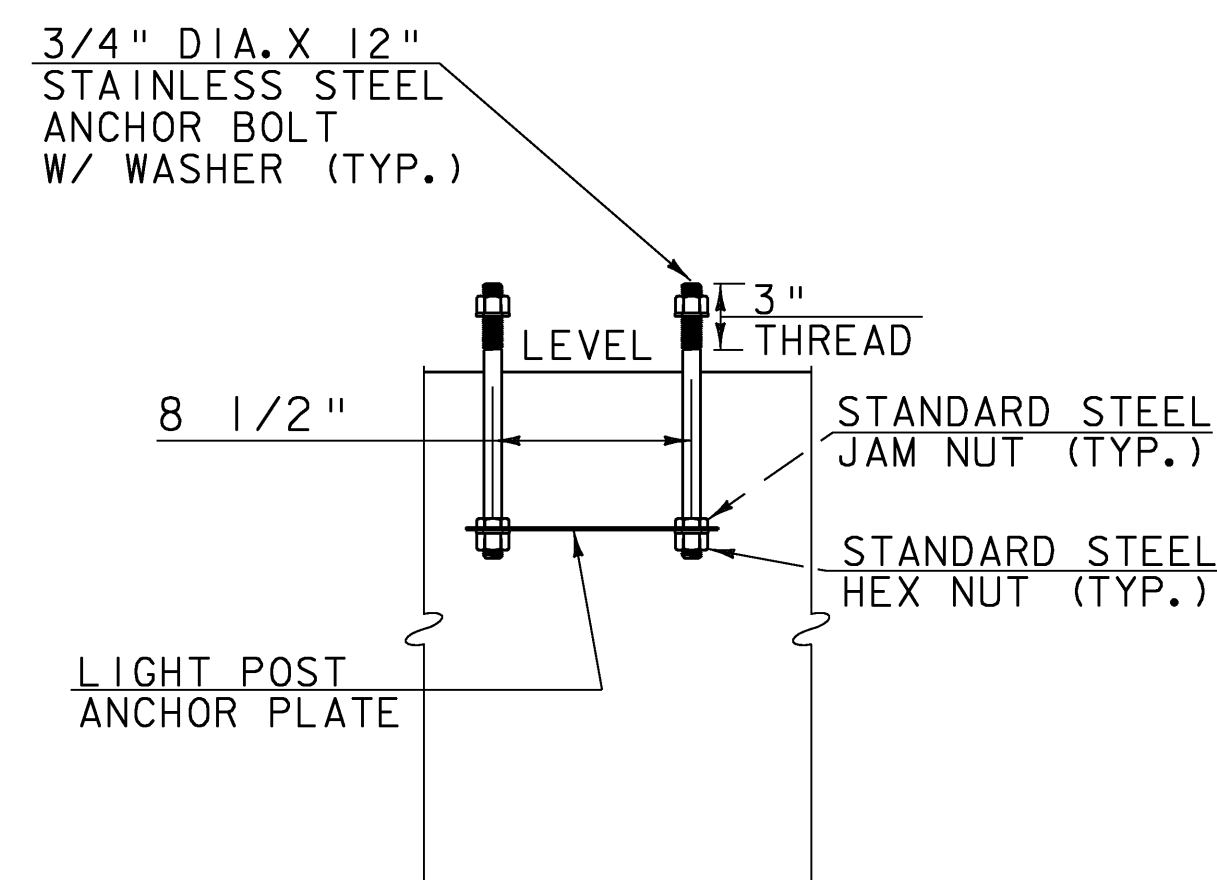
1. ALUMINUM WIRE SHALL NOT BE USED FOR GROUND WIRE.
2. SEE SUBSECTION 679.08 CONCERNING GROUNDING AND TESTING.

## C. LUMINAIRES, POLES, ANCHOR BASES

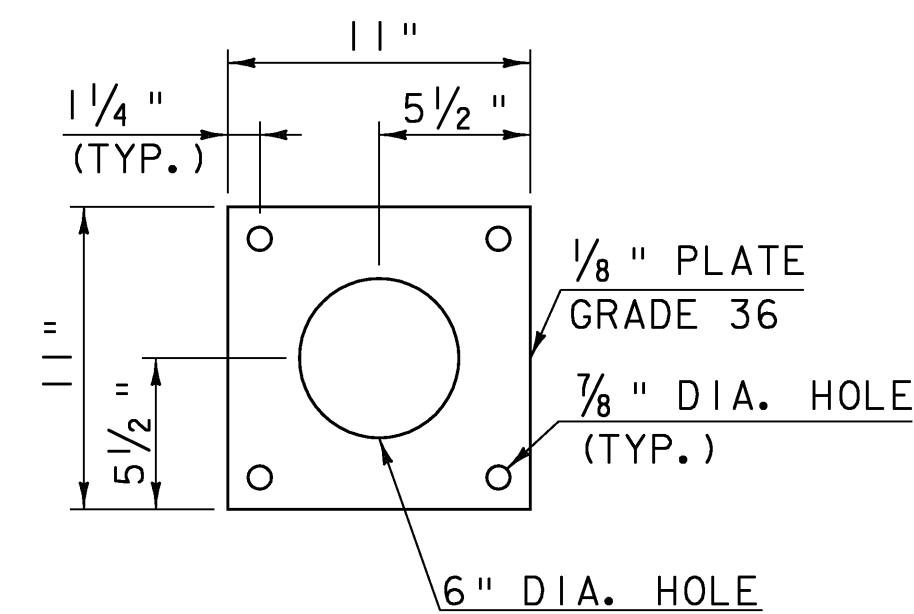
1. EACH EXISTING POLE SHALL BE MOUNTED TO A NEW RAILING POST WITH FOUR ANCHOR BOLTS, NUTS, AND WASHERS. SEE "LIGHT POST BASE DETAILS" ON SHEET 31 FOR ANCHORAGE TO BRIDGE. POLE WIRING ACCESS SHALL BE THROUGH THE EXISTING HANDHOLE IN POLE BASE.
2. LAMPS SHALL BE "175 WATT HIGH PRESSURE SODIUM".

## D. WIRE

1. ALL WIRING BETWEEN THE METER AND THE FIRST POLE AND/OR PULLBOX AND BETWEEN POLES AND/OR PULLBOXES SHALL BE COPPER AND CONFORM TO SUBSECTION 679.02 (c). ALL WIRE SHALL HAVE TYPE XHHW INSULATION OR EQUIVALENT.
2. ALL CONDUITS SHALL INCLUDE A GROUNDING CONDUCTOR.
3. SEE SUBSECTIONS 678.09, 679.06 AND 679.07 CONCERNING ELECTRIC POWER SERVICE AND WIRING.



LIGHT POST ANCHOR ASSEMBLY  
(NTS)



LIGHT POST ANCHOR PLATE  
(NTS)

## E. GENERAL

1. ALL ELECTRICAL MATERIAL AND INSTALLATION SHALL MEET THE REQUIREMENTS OF THE NATIONAL ELECTRIC CODE, STATE AND LOCAL CODES AND THE LOCAL UTILITY COMPANY REQUIREMENTS.
2. THE LOAD ON EACH BRANCH OF A THREE WIRE CIRCUIT SHALL BE AS BALANCED AS POSSIBLE. LOAD TO NEUTRAL.
3. CONDUIT LOCATIONS SHOWN ON THIS DRAWING ARE APPROXIMATE. ACTUAL LOCATIONS SHALL BE DETERMINED IN THE FIELD.
4. THE CONTRACTOR SHALL CONTACT UTILITY COMPANIES WITH UNDERGROUND FACILITIES WHEN EXCAVATING IN THE AREA OF THESE UTILITIES. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR CONTACTING AND SCHEDULING WORK WITH LOCAL UTILITIES WITH FACILITIES IN THE PROJECT AREA FOR LOCATION OF POWER SOURCES.
5. ONE PHOTOCELL FOR THE LIGHTING CIRCUIT SHALL BE LOCATED AT THE POWER SOURCE OR SOME COMMON POINT, AS DIRECTED BY THE ENGINEER.
6. THE CONTRACTOR MAY OPEN THE BRIDGE TO TRAFFIC WITHOUT THE STREET LIGHTING IN OPERATION.
7. IF THE LOCATION OF THE POWER SOURCE, JUNCTION BOX, AND METER VARIES FROM THE PROPOSED LOCATIONS SHOWN ON THE PLANS, THE NEW LOCATION WILL BE APPROVED BY THE ENGINEER AND THE TOWN OF SPRINGFIELD.

## F. WORK TO BE PERFORMED BY THE CONTRACTOR

1. COORDINATE ALL ITEMS REGARDING PROJECT POWER WITH THE TOWN OF SPRINGFIELD BEFORE COMMENCING WORK.
2. REMOVE, CLEAN AND PAINT EXISTING POLES.
3. INSTALL ALL EXISTING LIGHT POLES AND LUMINAIRES, LAMPS, WIRING AND DISCONNECT PLUG KITS.
4. INSTALL ALL JUNCTION BOXES, THE CONDUIT, PHOTOCELL AND WIRING AS DETAILED ON PLAN DRAWINGS.
5. INSTALL REMOTE TWO RELAYS WITH CIRCUIT BREAKERS FOR AUTOMATIC SWITCHING OF THE TWO LIGHTING CIRCUITS.
6. THE CONTRACTOR IS DIRECTED TO SUBSECTION 679.09 REGARDING POWER COSTS FOR THE STREET LIGHTING.
7. PAYMENT FOR THE LIGHTING WORK SHALL BE MADE UNDER 900.620, "SPECIAL PROVISION (REMOVING, REFURBISHING, AND RESETTING LIGHT POST)."

PROJECT NAME: SPRINGFIELD  
PROJECT NUMBER: BHF 016-2(14)

FILE NAME: s06j004rall.dgn  
PROJECT LEADER: R. WHITCOMB  
DESIGNED BY: C. CARLSON  
LIGHTING NOTES SHEET

PLOT DATE: 04-MAR-2009  
DRAWN BY: D. PETERSON  
CHECKED BY: C. CARLSON  
SHEET 24 OF 72