

NOTE TO CONTRACTORS AND VENDORS:

CONDUIT AND WIRE SIZE MAY VARY DEPENDING ON PROJECT. IT IS UP TO THE CONTRACTORS OR VENDORS TO SUBMIT SHOP DRAWINGS TO THE CITY ENGINEERING DEPARTMENT FOR APPROVAL TO INSURE CONFORMANCE WITH THESE SPECIFICATIONS.

**CITY OF NEW HAVEN  
DEPARTMENT OF ENGINEERING**

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CITY ENGINEER

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FILE:  
DETAILS\LIGHTING STANDARDS\2011 DETAILS  
DATE:  
JULY 1, 2011  
DRAWING NO.:  
**LD-NH-28A**

CITY OF NEW HAVEN STREET LIGHTING

UNDERGROUND WIRING GENERAL NOTES:

1. ALL STREET LIGHTING BRANCH CIRCUIT WIRING SHALL BE IN CONDUIT RUNS 24" BELOW FINISHED GRADE IN 2" GALVANIZED RIGID CONDUIT OR 2" SCHEDULE 80 PVC CONDUIT.
2. MAIN FEEDER FOR STREET LIGHTING SUPPLIED BY UI COMPANY SHALL BE IN MINIMUM 2" GALVANIZED RIGID METAL CONDUIT. CONDUIT RUN SHALL BE INSTALLED IN AN ELECTRICAL TRENCH, FROM THE UI POLE OR MANHOLE TO:
  - A. THE BASE OF FIRST POLE, OR
  - B. TO SPLICER BOX (HAND HOLE) LOCATED IN THE SIDEWALK, OR
  - C. TO A LIGHTING CONTROL CABINET.THE LOGO ON THE SPLICE BOX COVER SHALL READ "ELECTRIC/ STREET LIGHTING".
3. BRANCH CIRCUIT WIRING (FROM POLE TO POLE) MINIMUM WIRE SIZE SHALL BE 2-#2 AWG COPPER THWN AND 1-#4 GROUND SUITABLE FOR WET LOCATIONS.
4. ALL LIGHT POLE FOUNDATIONS SHALL BE EQUIPPED WITH 5/8" x 10'-0" COPPER CLAD GROUND ROD WITH GROUNDING CLAMP STUB 3" ABOVE TOP OF CONCRETE FOUNDATION.
5. ALL STREET LIGHTING POLES SHALL BE GROUNDED.
6. IN-LINE FUSE HOLDERS SHALL BE INSTALLED FOR LUMINAIRE WIRING PROTECTION AT THE BASE OF EACH LIGHT POLE.
7. LUMINAIRES SHALL BE WIRED WITH 3-#10 PLUS GROUND STRANDED COPPER THHN AWG.

NOTE:

MAIN FEED FIRST POINT OF CONNECTION WIRE SIZE MAY BE LARGER THAN #2 AWG DEPENDING ON TOTAL LOAD VOLTAGE DROP CALCULATION PERFORMED BY PROJECT ELECTRICAL ENGINEER.