

City of Lorain

Street Lighting Specification

1/3/2022

Background:

All new residential subdivisions in the City of Lorain shall provide adequate lighting and electrical service for the safety and welfare of current or future City of Lorain residences. The developer will provide for said street lighting, electrical conduit and all associated equipment as per the Subdivider / Alotter's Agreement associated with the subdivision.

The Developer will work with the City to create a conceptual Street Lighting Layout shortly after the overall subdivision plan is approved by the City of Lorain planning commission. Once the plan is finalized it must be signed by the Developer and the City to acknowledge concurrence with the plan. That plan shall be followed throughout all subdivision construction phases and may only be revised if a change is approved by the planning commission that changes the overall subdivision plan or a written approval is granted by the City Engineer.

Once the lighting layout has been signed off by the City and Developer, the Developer will work with First Energy on each phase of improvement plans to develop a lighting and associated electrical plan that will follow the approved layout plan and comply with this specification, City of Lorain Standard Details, and the OHIO EDISON COMPANY EFFICIENCY/SAFETY INCENTIVE PROGRAM (ESIP) HIGH PRESSURE SODIUM (HPS) STREETLIGHTING MATERIAL SPECIFICATIONS AND CONSTRUCTION STANDARDS.

Design Constraints:

Street lights must be placed at all intersections and crosswalk areas, and then at all points between and along paved areas at a spacing of no less 300 and no more than 400 feet apart. Poles shall be placed on alternating sides of the street where possible.

Street Lighting poles must be a minimum of four feet from driveways and no less than three feet from the curb.

Pole foundations and underground electric conduit must have a minimum horizontal clearance of 18" from any other private or public utility. In no case shall a pole foundation or underground electric conduit be placed directly over a private or public

utility. Underground electric conduit crossing private or public utilities shall have a minimum of 18" of vertical clearance.

All residential subdivisions shall utilize 100W / 9500 Lumen - Standard Colonial Post Top Luminaire Smooth Tapered Fiberglass Posts as specified on First Energy's Standard Detail II-A-I from the most current revision of the OHIO EDISON COMPANY EFFICIENCY/SAFETY INCENTIVE PROGRAM (ESIP) HIGH PRESSURE SODIUM (HPS) STREETLIGHTING MATERIAL SPECIFICATIONS AND CONSTRUCTION STANDARDS.

Developer may not use any poles or fixtures other than what is specified herewith without written approval to the City Engineer. Any requests for exceptions shall be made in writing and addressed to Lorain's City Engineer.