

Guidance for Public Street light Infrastructure

December 2020

1. An Illuminance Design is required as part of the residential subdivision development process.
 - a. See Section 7-4 of the revised DPM or contact Transportation for design requirements.
 - b. The design is to be approved at/before Preliminary Plan review at DRC.
 - c. Design to include the illuminance chart.
 - d. Design to include lamp to be used and height of pole.
2. Add to the infrastructure list: Street Lighting per approved Illuminance Design with all necessary appurtenances.
3. Design to be included in the Work Order Construction plans and include:
 - a. General lighting notes and standards including COA STD drawings.
 - b. Approximate meter location for each circuit.
 - c. Location of each luminaire.
 - d. Schematic location of conduits for each circuit.
 - e. Conduit schedule and conductor schedule.
 - f. Fixture schedule for luminaires including pole height and arm length.
 - g. Electrical details as appropriate. For residential areas and subdivisions, the lighting placement shall be according to the DPM requirements: All streets shall be illuminated to IESNA standards. Street lights shall be located at all intersections, on cul-de-sac streets over 200 feet in length, at right angle turns, and at mid-block locations where block lengths exceed 500 feet.
 - h. For lighting of a roadway corridor, an illuminance analysis is needed, and shall include a photometric plan showing lighting levels, with minima per the DPM
 - i. Add a Note: Transformer locations shown on plans are approximate. Coordinate with PNM for actual locations.
 - j. Add a Note: Final transformer locations shall be shown on as-builts.
 - k. Wire to be located behind the curb.
 - l. Provide Station and offset for foundation. Include X,Y data fields to be filled in with the as-builts.
 - m. Material submittals will not be required, initially. If issues persist, this may change.
 - n. The City has three STD DWGs to assist the consultant: 2573, 2580 and 2581
4. System infrastructure will be identified on the Engineer's estimate and included in cost of the project including; financial guaranty, contractor's bonds and engineering fees. Cost of a meter is \$8000.
5. Building and Safety Permit submittal (after Work Order approval):
 - a. Building and Safety require inspections on the foundation of the light pole and electrical work. Please contact Building and Safety at 505-924-3320 option 1, for information on how to submit a permit application.
 - b. Plans should include: a site plan showing where the light poles are located, the electrical sheets and the structural sheets.

6. Relocating a City owned street light will have the same requirements as installing a new one.
7. There are new specifications related to this work. They are available on the DRC web page: <https://www.cabq.gov/planning/building-development-services/design-review-construction-forms>