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