

City of Melissa

Street Lighting and Street Name Sign Standards

Street Lighting

- A. The following standards shall apply to all Type M7U, M6D, M6U, M5U, M4D, and M4U Thoroughfares:
1. Street lighting shall be placed in the medians, with spacing not to exceed one hundred eighty feet (180') and no closer than one hundred fifty feet (150') depending on median breaks and intersections.
 2. Unless a photometric analysis suggests the use of a different type of luminaire, street lighting shall use Full Cutoff, Type 3 Luminaires on thoroughfares with one hundred twenty feet (120') of ROW and Full Cutoff, Type 2 Luminaires on thoroughfares with one hundred feet (100') of ROW.
 3. Die cast aluminum or extruded aluminum with segmented internal reflector, 250-watt Metal Halide, or equivalent LED with color temperature of 4,000 to 4,500, single or double head with davit arm(s) traffic black (RAL9017-traffic black) in color, or the equivalent approved by the City shall be used.
 4. Street lighting shall be installed prior to final acceptance of the construction of a thoroughfare. When partial thoroughfares are constructed, the City may allow the payment of a street light fee in lieu of installing the required lighting. Where property lines bisect thoroughfares, each Owner (Developer) is responsible for one half the total cost of fully developed street lighting along that segment of the thoroughfare.
 5. Poles are to be round and tapered with a maximum height of thirty feet (30') in accordance with the City's Standard Details and specifications.
 6. Type A ground boxes with concrete aprons are required in accordance with the City's Standard Details and specifications.
 7. Street lighting foundations shall be thirty inches by ninety six inches (30" x 96") in accordance with the City's Standard Details and specifications.
 8. Street lighting conduit shall be two inch (2") Schedule 40 PVC.
 9. Street lighting shall use #12 AWG wiring inside the poles.
 10. Electrical service pedestals shall be 240V/480V and meet the local service provider's specifications.
- B. The following standards shall apply to all Type C4U and C3U collectors:
1. Street lighting shall be placed in the parkway between the curb and the sidewalk, with spacing not to exceed one hundred eighty feet (180') and no closer than one hundred fifty feet (150').
 2. Street lighting shall use Full Cutoff, Type 2 Luminaires.
 3. Die cast aluminum or extruded aluminum with segmented internal reflector, 250-watt Metal Halide, or equivalent LED with color temperature of 4,000 to 4,500, single head with davit arm traffic black (RAL-9017 traffic black) in color, or equivalent approved by the City shall be used.
 4. Street lighting shall be installed prior to final acceptance of the construction of a commercial collector. When the delay of installing street lighting is deemed appropriate by the City, the City may allow the payment of a street light fee in lieu of installing the required lighting. Where property lines bisect collectors, each owner (Developer) is responsible for one-half of the total cost of fully developed street lighting along that segment of the collector.
 5. When development occurs along a Type C3U or a C4U collector, the Owner (Developer) shall pay a street light fee to reimburse the City for the future or past installation of street

lighting. The fee shall be paid prior to final acceptance of the development and the amount shall be determined by multiplying the then current fee rate by the amount of linear frontage the developing lot has along one or both sides of the collector.

6. Poles are to be round tapered with a maximum height of thirty feet (30') in accordance with the City's Standard Details and specifications.
 7. Type A ground boxes with concrete aprons are required in accordance with the City's Standard Details and specifications.
 8. Street lighting foundations shall be thirty inches by ninety six inches (30" x 96") in accordance with the City's Standard Details and specifications.
 9. Street lighting conduit shall be two inch (2") Schedule 40 PVC.
 10. Street lighting shall use #12 AWG wiring inside the poles.
 11. Electrical service pedestals shall be 240V/480V and meet the local service provider's specifications.
- C. The following standards shall apply to all Type R3U, R2U and E2U Residential Streets:
1. Poles are to be fluted four inch (4") extruded aluminum alloy with a minimum wall thickness of 0.175 inches, black in color with a decorative base with a hand hole opening. Pole height shall be twelve feet (12') for R2U and E2U local streets and fourteen feet (14') for R3U residential collectors.
 2. Lamp wattages shall be 40-60 watt LED, color temperature shall be 4000 to 4500.
 3. Luminaires shall be Acorn with metal cap and finial.
 4. The Developer may install additional banding and/or medallions with prior approval from the City. The cost for maintenance and/or replacement of the banding and/or medallions shall be the responsibility of the developer or Homeowners' Association.
 5. Street lights shall be installed without multiple luminaires.
 6. Street lights shall typically be located at intersections and at mid-block locations if the block length is greater than six hundred feet (600'). Cul-de-sacs over two hundred twenty five feet (225') in length, measured from centerline of cross street to center point of cul-de-sac, shall have a street light installed at the street intersection and at the beginning of the bulb. Other locations may be required as deemed necessary by the City. Street lights shall not be closer than one hundred fifty feet (150') nor greater than six hundred feet (600') apart.
 7. Subdivisions bounded by M7U, M6D, M6U, M5U, M4D, and M4U thoroughfares shall have a common type of luminaire throughout. Street lighting shall be installed prior to acceptance by the City.
 8. Street lighting foundations shall be eighteen inches by ninety six inches (18" x 96") in accordance with the City's Standard Details and specifications.
 9. Refer to the attached City of Melissa Residential Street Signage – Standard Drawing 2300AM and Residential Light Post Street Signage – Standard Drawing 2300BM.
- D. A lighting plan shall be required anytime street lighting is proposed, or modified. The lighting plan shall be submitted to the City for a construction permit. A certified engineer, architect, landscape architect, lighting engineer or designer shall prepare the plan. The plan shall also contain a certification by the property owner or agent and the preparer of the plan that the street lighting depicted on the plan complies with these requirements. The submission shall contain but shall not necessarily be limited to the following:
1. Plans indicating the location of the lighting, and the type of illuminating devices, fixtures, lamps, supports, reflectors, and other devices;
 2. Description of the illuminating devices, fixtures, lamps, supports, reflectors, and other devices and the description may include, but is not limited to, catalog cuts by manufacturers and drawings (including sections where required) and height of the luminaires;

3. Photometric plan and data sheets, such as that furnished by manufacturers, or similar to that furnished by manufacturers or the lighting designer, showing the angle of cut off or light emissions; and
 4. All LED fixtures shall be Buy America and ARRA Compliant;
 5. Water and sewer locations along with any other existing utilities lightly shaded on plans showing any possible location conflicts with proposed lighting.
- E. The following are exempt from these requirements:
1. “Cobra head” type lighting fixtures having dished or “drop” lenses or refractors which house other than incandescent light sources in undeveloped areas along M7U, M6D, M6U, M5U, M4D, and M4U thoroughfares.
 2. Temporary lighting approved in writing by the City.
 3. Where existing or phased subdivisions are currently under construction, the continued use of previously approved street lighting will be permitted. When a new phase of a subdivision is divided by a residential collector, the street lighting standards contained in these requirements shall be required.
 4. City Council may vary from these requirements as part of the approval of public street and sidewalk projects in overlay districts and Planned Developments.
 5. Lighting luminaires in existence on the effective date of these requirements shall be exempt from these standards and shall be considered legally non-conforming. Such fixtures may be repaired, maintained and/or replaced. If an identical replacement of non-conforming luminaires is not available, the new luminaires shall comply with these requirements.

Street Name Signs

- A. Street name signs shall be installed at all intersections of public streets, private streets, and public ways in accordance with the City’s Standard Details, Technical Specifications and requirements.
- B. Street name blades shall be nine inch (9”) tall extruded aluminum.
- C. The street name shall be left justified, with block numbers located in the bottom right-hand corner. Abbreviated street designations shall be located in the upper right-hand corner and right-justified.
- D. The lettering of the street name shall be Clear View 2W, six inches (6”) tall and upper and four and one half inch (4.5”) lower case. Letters of abbreviated street designations shall be three inches (3”) tall and all uppercase (i.e., LN, PKWY, DR, CT, etc.). Block numbers shall be 3” tall.
- E. A street name shall be limited to sixteen (16) characters, not including the street designation. A street name shall either consist of one word no longer than sixteen (16) letters or two words separated by one space where the two words have no more than fifteen (15) letters combined.
- F. Sign sheeting shall be diamond grade intensity. The background shall be black and the lettering shall be white.
- G. For a street with only one cul-de-sac end, a standard W 14-2a shall be mounted over the street name blade. In the case of a street with two cul-de-sac ends, two standard W 14-2a signs shall be mounted over the street name blade in the appropriate directions. See attached details for W 14-2a sign details.
- H. Owners, developers, and/or contractors should contact Development Services at (972) 838-2036 to obtain block numbers. Block numbers are required on all street name blades, even if no homes or buildings front onto the street.