STREET LIGHTING

General

The following general requirements shall apply to street lights installed in new underground residential subdivisions or developments located within the service area of Springville City Power (within Springville City):

Springville City Power will provide electric power for street lights at no cost, except as otherwise provided below in the Street Light Layouts section.

Springville City Power standard street lights (poles, fixtures and wiring) shall be used except as provided below. Standard SCP pole is 35’ bronze fiberglass pole, 8’ bronze arm, with 100 W HPS fixture.

Springville City Power standard street lights will be installed in accordance with Springville City Power's Line Extension Policy.

Springville City Power standard street lighting will be installed, owned and maintained by the Springville City Power Department. Conduit systems for street lighting wiring shall be installed by contractors or developers.

With Power Department approval, development specific decorative (non Springville City Power standard) street lighting (poles, fixtures and wiring) may be installed in subdivisions.

Decorative lighting (service disconnect, poles, luminaries, lamps, conduit and wiring) installed in underground subdivisions shall be installed by contractors or developers. Power and maintenance for the street lights will be provided by Springville City Power in accordance with the second paragraph above.

Street Light Layouts

The following layout requirements shall apply to Springville City Power standard and decorative street lighting installations:

Layouts for Springville City Power standard street light installations will be prepared by Springville City Power.

Layouts for decorative street light installations shall be prepared by contractors or developers utilizing the general requirements included in this section. Contractors or developers shall provide drawings of proposed layouts for decorative street lighting to Springville City Power for review and approval. Catalog information on the poles, luminaries and lamps proposed for use shall be provided by contractors or developers with the lighting layouts.
In general, street lights shall be placed at three and four way intersections, and at 90 degree turns. See Figure 1 for a typical street lighting layout.

Street lights shall also be installed between intersections at a staggered spacing of approximately 300 feet to 400 feet. Decorative street lights may be installed at lesser intervals. See Figure 1 for a typical street lighting layout.

Decorative street lights may be installed (300 foot to 400 foot non-staggered spacing) on medians (islands) in streets with islands at least 10 feet in width. Decorative street lights may be installed at lesser intervals.

Luminaries for decorative street lights shall be Type III, include a photo cell receptacle and shall be suitable for use with a 100 Watt high pressure sodium lamp. Use of luminaries with higher wattage lamps or other light sources (metal halide or mercury vapor) must be approved by Springville City Power. House side shields shall be provided if required. Street light poles shall provide a minimum mounting height for luminaries of 16 feet for decorative lighting.

**Point(s) of Delivery for Decorative Lighting**

The point(s) of delivery for decorative street lights shall be at a location(s) approved by Springville City Power. Contractors or developers shall provide drawings of proposed locations for points of delivery for decorative street lighting to the Springville City Power for review and approval. These points of delivery shall typically be proximate to Springville City Power owned pad mounted transformers or secondary junction boxes. The layout of decorative lights shall be so as to minimize the number of delivery points required.

All points of delivery for decorative street lights shall include a disconnect switch with over current protective device(s) [fuse(s) or breaker(s)]. The rating of the over current protection shall be compatible with the current rating of the wiring connected to the device. The disconnect equipment shall be service entrance rated, tamper proof, equipped with provisions for locking, installed in a NEMA 3R enclosure, and mounted on a building wall or substantial wood or steel post. The disconnect switch and appurtenant facilities shall be installed in accordance with the applicable articles of the National Electric Code (NEC).

Facilities installed at decorative street light points of delivery shall be inspected by the Springville City electrical inspector prior to connection to the Springville City Power electrical system.

Wiring between Springville City Power pad mounting transformers or secondary junction boxes for decorative lighting will be installed, owned and maintained by Springville City Power and installed in conduits (source side conduit systems) provided (furnished and installed) by contractors or developers. Springville City Power will own and maintain the conduits after the street light installation is completed.
Street Lighting Conduit Requirements

Springville City Power wiring for Springville City Power standard and decorative street lights shall be installed in direct buried conduit. The contractor or developer shall be responsible for the installation of street lighting conduit systems (2 inch diameter) extending from transformer or secondary junction boxes to lighting fixture locations. Where possible, lighting fixtures shall be located at street intersections and have a maximum spacing of approximately 400 feet. See Figure 1 for a typical street lighting layout. The contractor is responsible for proper location and centering of conduit end points for lighting fixture installations. The City, under the terms of its Line Extension Policy, shall furnish and install lighting fixtures and light fixture service cables.

Commercial areas shall be required to place conduit to light city streets bordering their development. Lights shall be paid for by the Developer and installed by the Power Department. Light placement shall be at each intersection and one for every 150 feet as approved by the Power Department. Light type and size shall be determined by the Power Department according to road size and area.

Springville City Power Standard Street Lights:

Contractors or developers shall provide (purchase and install) all street lighting conduit systems (conduit, fitting, elbows, conduit cement, etc.) for Springville City Power standard street lights. Springville City Power will own and maintain the conduit systems after the street light installation is completed. The conduit systems shall extend from Springville City Power pad mounted transformers or secondary junction boxes to street light locations. The contractor or developer shall be responsible for proper routing and placement (burial depth, excavation, bedding, backfill and compaction) of conduit and for the location of conduit end points (stub ups) at pad mounted transformers and/or secondary junction boxes, and street light locations.

Decorative Street Lights:

Contractors or developers shall provide (purchase and install) conduit systems between decorative street light delivery points and Springville City Power pad mounted transformers and/or secondary junction boxes. Springville City Power will own and maintain the conduit systems after the street light installation is completed. The contractor or developer shall be responsible for proper routing and placement of conduits, and for the location of conduit end points (stub ups) at pad mounted transformer or secondary junction box locations. Springville City Power will install the wiring from transformer or secondary junction box to the delivery point and terminate the wiring at the street light. Conduit types and capping shall be in accordance with the conduits paragraphs of this document.
Notes:
1. The lighting design and layout shall be provided by Springville City.
2. Inspection of street lighting shall be scheduled at the same time as the depth of system and compaction inspections.

Figure 1 – Typical Street Lighting Layout
Notes:
1. The developer shall provide 2 inch conduit from the transformer to the secondary junction box.
2. Springville City Power will provide a lockable secondary junction box.
3. Springville City Power shall provide wire from the secondary junction box to the light pole.
4. Required secondary junction box will be provided for installation to the developer.

Figure 2 – Street Light Wiring