

# Underground Distribution

## General

Underground Distribution (UD) shall be provided for residential subdivisions, apartment projects, commercial projects, and industrial projects in accordance with the following specifications and the residential, commercial, and industrial underground policies.

Close coordination should be maintained with local authorities, developers, contractors, and other utilities, before and during construction of a UD system in order to avoid conflicts with other construction work and other underground facilities.

## Location of Facilities

Service to customers in residential subdivisions shall be provided from the front property line, and all equipment except service laterals on private property shall be located on the street right of way. The location of facilities for UD service to apartment buildings, commercial projects, and industrial projects shall be determined by the arrangement of buildings, streets, alleys, walkways, parking areas, etc.

The edge of standard transformer pad shall be not less than 10 feet from the building, and not less than 14 feet from building driveways on either side. If a customer requests the transformer be located closer than 10 feet to a building due to space constraints, then the building must be constructed of non-combustible walls and the customer must obtain written approval from the Fire Marshall's office or local authority having jurisdiction.

## Rights of Way

Before construction of a UD system is started, an underground easement shall be obtained. Street right of ways and other areas in which UD is to be installed shall be finished to final grade and clear of all obstructions. All property lines shall be clearly marked.

Rights of way for UD systems in residential projects, commercial projects, and industrial projects shall be ten feet (10') wide with it's centerline being the route of the underground circuit. Right of ways easements can be combined with other utility easements as long as the ten feet right of way is maintained. When the rights of way of specified width are obtained, a plat of the project showing the location of facilities shall be recorded with easement.

## Street Lights

Streetlights shall be installed on publicly dedicated city streets. Streetlights shall be installed with in the public right of way or with in an adequately sized utility easement, which shall be shown on the final subdivision plat. Streetlights shall be installed at all street intersections and cull-de-sacks while meeting the spacing specifications as listed in the table below. Such lights shall be turned on and paid for by the City upon street acceptance by the City Council. (Adopted by Council on 3/27/2001)

Street Light Spacing	High Pressure Sodium Bulb Wattage	Fixture Height
150'-180'	100 Watt	16'
200'-250'	175 Watt	16'
300'-400'	400 Watt	25'