

SECTION A
CONDUIT SIZE, TYPE, COVER, AND LOCATION
TRUNK, DISTRIBUTION, AND SERVICE LATERAL CONDUIT SYSTEM

Within the City of Moreno Valley right-of-way and public utility easements, the following construction standards shall apply to the construction of the trunk conduit system:

A-1. All conduit runs and related facilities (i.e., pull boxes, etc.) shall be plotted and shown on drawings which shall be filed with, and approved by the City Engineer prior to the installation of the conduit system. No change in location of the conduit system shall be made prior to, or at the time of physical installation, unless authorized in writing in advance by the City Engineer. After completion of installation, all conduit runs and related facilities shall be accurately plotted as installed on the As-Built Drawings. Location measurements shall be made from the curb face (or from the centerline of the road if no curb exists), and shall be shown on the As-Built Drawings, which shall be filed with the City Engineer within thirty days after conduit installation. As-Built Drawings shall be 1"=50' scale on 24"x36" Mylar sheets and shall include details and general notes.

A-2. A polypropylene, polyethylene, nylon, or other City approved non-organic type pull line shall be installed into the conduit. Pull lines shall have a breaking strength of no less than five hundred (500) pounds. Pull lines shall extend no less than three feet (3') beyond each end of the conduit. Each terminus of the conduit run shall be secured with a City-approved conduit end plug/cap in such a way as to retard the ingress into the conduit system of liquids and/or other foreign materials. Pull line shall be secured at each end to the end plug/cap in such a way as to retard the ingress into the conduit system of liquids and other foreign materials.

A-3. Conduit system pull boxes shall be no smaller than Caltrans Standard Plan No. 6 pull boxes. Pull box lid shall be labeled "City of Moreno Valley." All pull box lids shall be secured with two brass or stainless steel tamper-proof stud bolts, nuts, and washers per Standard No. C.

A-4. Each pull box shall be placed as to intercept and break continuous straight conduit runs at intervals of no more than four hundred feet (400'), with two (2) 90 degree (90°) wide sweeps, each with a minimum radius of not less than six times the inside diameter of the conduit, into pull boxes at each end of the conduit run. In the event that conduit installation necessitates the installation of additional sweeps between pull boxes, a pull box shall be placed after every 360 degrees (360°) (cumulative in any direction) of sweep, including the sweeps into and out of pull boxes. A copper tie strap between all conduits shall ground all conduits within pullboxes.

A-5. Pull boxes shall typically be placed in parkway areas behind the sidewalk. Pull boxes may be placed in roads or other traffic areas only upon approval by the City Engineer, and shall have a traffic bearing concrete body and lid. Pull boxes shall not be installed in sidewalk areas or in driveways unless otherwise authorized in writing by the City Engineer. All lids shall be permanently marked with the inscription "City of Moreno Valley." All lids shall have an integral system to secure the lid to the main body of the vault.

NOT TO SCALE

	RECOMMENDED:  DIVISION MANAGER	1/21/14 DATE	CITY OF MORENO VALLEY PUBLIC WORKS DEPARTMENT - CAPITAL PROJECTS DIVISION	
	APPROVED:  PUBLIC WORKS DIRECTOR / CITY ENGINEER	1/29/14 DATE	TELECOMMUNICATIONS TECHNICAL PROVISIONS	
	STANDARD PLAN MVSI-185B-0		SHEET 2 OF 4	