

**SECTION B
CONDUIT SIZE, TYPE, COVER, AND LOCATION
TRUNK 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:

B-1. Hot-dip galvanized rigid steel (GRS) conduit conforming to the requirements in UL Publication UL 6 for Rigid Metallic Conduit, with metallic fittings, shall be furnished and installed in continuous runs. Conduit size shall be no smaller than four inches (4") in diameter. Trunk conduit system shall be installed on all arterial streets. Trunk conduit may also be installed on designated collector streets at the direction of the City Engineer. Orange warning tape shall be installed directly above trunk conduit and 12 inches (12") below finished grade, per Standard No. A.

B-2. Trunk conduit shall be placed underground so as to provide for a minimum cover of 36 inches (36") below finished grade as measured from the top of the conduit. Backfill requirements shall be per City Standard Plan No. A and may be modified by the City Engineer.

**SECTION C
CONDUIT SIZE, TYPE, COVER, AND LOCATION
DISTRIBUTION AND SERVICE LATERAL CONDUIT SYSTEM**

Within the City of Moreno Valley, the following construction standards shall apply to the construction of the distribution and service lateral conduit system that originate at trunk conduit system pull boxes.

C-1. Polyvinyl chloride (PVC), Schedule 40, conduit shall be furnished and installed in continuous runs. The distribution conduit size shall be two inches (2") in diameter. Service lateral conduit shall be one inch (1") PVC, Schedule 40. Service laterals that exceed two hundred fifty feet (250') in length shall be two inch (2") PVC, Schedule 40. The minimum strength of the service entry conduits through foundations shall be equal to, or greater than PVC, Schedule 40. Conduit shall be laid, connected, and solvent welded in continuous runs. "Bell" type overlapping ends of no less than one inch (1"), or slip couplets shall be used to join sections of conduit. Manufacturer's instructions shall be followed in solvent welding conduit sections so as to prevent ingress into the conduit system of liquids and/or other foreign materials. PVC conduit shall be assembled together so that the manufacturer's identification markings are facing up and readable from the top of the trench. Orange warning tape shall be installed directly above distribution conduit and 12 inches (12") below finished grade, per Standard No. A.

C-2. Distribution conduit shall be placed underground so as to provide for a minimum cover of 36 inches (36") below finished grade as measured from the top of the conduit. Service lateral conduit shall be placed underground so as to provide for a minimum cover of 18 inches (18") below finished grade as measured from the top of the conduit. Where service lateral conduit crosses public roadway, minimum cover shall be 36 inches (36") below finished grade. Backfill requirements shall be per City Standard Plan No. A, and may be modified by the City Engineer.

NOT TO SCALE

	RECOMMENDED:  DIVISION MANAGER DATE: 1/21/14	CITY OF MORENO VALLEY PUBLIC WORKS DEPARTMENT - CAPITAL PROJECTS DIVISION TELECOMMUNICATIONS TECHNICAL PROVISIONS	STANDARD PLAN MVSI-185C-0
	APPROVED:  PUBLIC WORKS DIRECTOR / CITY ENGINEER DATE: 1/29/14		SHEET 3 OF 4