

EQUIPMENT LEGEND AND NOTES

FOR ELECTRICAL DRAWINGS

SL ___ = STREET LIGHT
T ___ = TRANSFORMER PAD
& XFMR NUMBER
X ___ = SPLICE BOX
S ___ = PAD MOUNT SWITCH ENCLOSURE
& SWITCH NUMBER
C ___ = CAPACITOR
H ___ = HANDHOLE
LBFC ___ = LOAD BREAK FUSE CABINET
M ___ = MANHOLE/SOE
V ___ = VAULT

RESIDENTIAL APPLICATIONS:

- TRANSFORMERS ARE 6.9 kV NF 120/240V 1ph, PAD MOUNTED WITH LOAD BREAK BUSHINGS.
- NON-FUSED HV CABLES IS 1/0 AWG AL 6.9kV JCN OR CIC.
- FUSED HV CABLE IS #2 AWG AL 6.9kV JCN OR CIC.
- SECONDARY CABLE IS 2-350 & 1-4/0 AL OR 2 4/0 & 1 1/0, 600V CLP UNLESS OTHERWISE SPECIFIED.
- SERVICE CABLE IS 2-1/0 & 1/-#2 AL 600V CLP UNLESS OTHERWISE SPECIFIED.
- PRIMARY & SECONDARY CONDUITS ARE 3" UNLESS OTHERWISE SPECIFIED.
- SERVICE CONDUITS ARE 2 1/2" OR 3".
- BACKBONE SYSTEMS ARE AS DESIGNED PER NON-RESIDENTIAL CRITERIA.
- STREET LIGHTING SYSTEMS REQUIRE 2" CONDUIT BETWEEN SPLICE BOXES UNLESS OTHERWISE SPECIFIED.
- ALL 200A CABLE TERMINATIONS ARE LOAD BREAK ELBOWS.

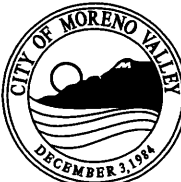

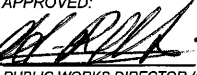
COMMERCIAL, INDUSTRIAL AND OTHER NON-RESIDENTIAL APPLICATIONS:

- TRANSFORMERS ARE NEW 12kV, FUSED SWITCHED 1ph OR 3ph (AS END USER REQUIREMENTS) PAD MOUNTED WITH LOAD BREAK ELBOWS.
- SWITCHES ARE 14.4kV NOMINAL PAD MOUNTED TYPE.
- CAPACITORS ARE 1200kVAR OR 1800kVAR, 12kV PAD MOUNTED, SWITCHED WITH FLOATING WYE CONNECTION WITH CONTROLLER.
- NON-FUSED HV CABLES ARE 1000 kcmil, 750 kcmil, 350 kcmil, 1/0 AWG AL 12kV JCN.
- FUSED HV CABLE IS #2 AWG AL 12kV JCN UNLESS OTHERWISE SPECIFIED.
- SECONDARY CABLE IS 3-350 & 1-4/0 AL 600V CLP UNLESS OTHERWISE SPECIFIED.
- SECONDARY & SERVICE CABLE IS 700kcmil, 350kcmil, 4/0kcmil, 1/0 AWG OR #2 AWG AL 600V CLP (AS PER END USER REQUIREMENTS).
- STRUCTURES ARE SUBSURFACE TYPE.
- PRIMARY CONDUITS ARE 5". UNLESS OTHERWISE SPECIFIED.
- SERVICE CONDUITS ARE 4" OR 5" AS SPECIFIED IN THE DISTRIBUTION DESIGN STANDARDS.
- COMMUNICATION CONDUITS ARE 2" AND INCLUDED WITH ALL BACKBONE (MAIN LINE) SYSTEMS.
- STREET LIGHTING SYSTEMS REQUIRE 2" CONDUIT BETWEEN SPLICE BOXES UNLESS SPECIFIED OTHERWISE.

NOTE:

1. CONDUITS ARE DB-100 OR SCH 40-80 WHERE EXPOSED TO SUNLIGHT.
2. THE ABOVE CRITERIA DEFINE THE GENERAL REQUIREMENTS FOR THE DESIGN OF THE ELECTRICAL SYSTEMS. FOR SPECIFIC DESIGN APPLICATIONS REFER TO THE CITY OF MORENO VALLEY DISTRIBUTION DESIGN CRITERIA. IT CAN BE OBTAINED AT THE MORENO VALLEY UTILITY OFFICE.

NOT TO SCALE

	RECOMMENDED:  DIVISION MANAGER DATE 12-27-16	CITY OF MORENO VALLEY PUBLIC WORKS DEPARTMENT - ELECTRIC UTILITY DIVISION	
	APPROVED:  PUBLIC WORKS DIRECTOR / DATE 1/20/17 CITY ENGINEER	EQUIPMENT LEGENDS	
		STANDARD PLAN MVEU-703-0	SHEET 1 OF 1