

## 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.
3. ORANGE INSULATED COPPER CLAD STEEL TRACER WIRE PER KRISTECH SPECIFICATIONS SHEET, OR EQUAL. TRACER WIRE TO BE INSTALLED 2" ABOVE COMMUNICATION CONDUIT PER "THE COMPLETE UTILITY LOCATING SYSTEM SPECIFICATIONS FOR TELECOMMUNICATIONS" BY COPPERHEAD INDUSTRIES, OR EQUIVALENT.

NOT TO SCALE

	RECOMMENDED:  1-20-22 DIVISION MANAGER      DATE	<h2 style="margin: 0;">CITY OF MORENO VALLEY</h2> <p style="margin: 0;">FINANCIAL &amp; MANAGEMENT SERVICES DEPARTMENT - ELECTRIC UTILITY DIVISION</p>	
	APPROVED:  2/4/22 PUBLIC WORKS DIRECTOR / DATE CITY ENGINEER	<h3 style="margin: 0;">EQUIPMENT LEGENDS</h3>	STANDARD PLAN <h3 style="margin: 0;">MVEU-703-1</h3>
		SHEET 1 OF 1	