

GENERAL NOTES :

THE INTENT OF THESE REQUIREMENTS IS FOR THE SAFETY OF ALL PERSONNEL WHO INSTALL, MAINTAIN, READ, TEST, INSPECT, OR REMOVE ELECTRICAL METERING EQUIPMENT SO THEY MAY SAFELY PROVIDE SERVICES BOULDER CITY CUSTOMERS RELY UPON. FOR ANY QUESTIONS OR CLARIFICATIONS OF THESE REQUIREMENTS, PLEASE CONTACT US BY EMAIL AT PWENGINEERING@BCNV.ORG OR BY PHONE AT (702) 293-9200, OPTION #4.

1. ALL INFRASTRUCTURE PRIOR TO THE METER, INCLUDING THE METER, IS CONSIDERED "PUBLIC". THE CITY OF BOULDER CITY WILL BE RESPONSIBLE FOR THE MAINTENANCE AND OPERATION OF ALL PUBLIC INFRASTRUCTURE. ALL INFRASTRUCTURE AFTER THE METER, INCLUDING THE SERVICE PEDESTAL, SHALL BE CONSIDERED "PRIVATE" AND IS THE RESPONSIBILITY OF THE OWNER OF THE PROPERTY BEING SERVICED BY THE METER.
2. ALL ELECTRICAL INFRASTRUCTURE SHALL MEET ALL APPLICABLE CODE REQUIREMENTS OF THE 2012 EDITION OF THE NATIONAL ELECTRIC CODE (NEC).
3. CONTRACTORS SHALL OBTAIN ALL APPLICABLE BUILDING PERMITS AND REGULATIONS AS REQUIRED BY THE BOULDER CITY COMMUNITY DEVELOPMENT DEPARTMENT, BUILDING INSPECTIONS DIVISION (702-293-9282).
4. METERS SHALL BE ACCESSIBLE TO BOULDER CITY PERSONNEL 24 HOURS A DAY , SEVEN DAYS A WEEK FOR MAINTENANCE PURPOSES. THE CITY OF BOULDER CITY PUBLIC WORKS DEPARTMENT MUST BE NOTIFIED IMMEDIATELY WHEN A METER IS NOT READILY ACCESSIBLE TO DISCUSS POSSIBLE RESOLUTIONS FOR ACCESS.
5. THIS STANDARD SHALL PERTAIN TO ALL SINGLE PHASE 120/240V APPLICATIONS IN ALL RATE CLASSES REQUIRING A 400 AMP - 800 AMP SERVICE WHICH IS NOT ATTACHED TO A BUILDING. A DESIGN PROFESSIONAL IS TO DETERMINE FAULT CURRENT REQUIREMENTS FOR THE PROJECT.
6. SERVICE PEDESTAL LOCATION
LOCATIONS OF SERVICE PEDESTALS FOR UTILITY INFRASTRUCTURE WILL BE DETERMINED BY THE PUBLIC WORKS DEPARTMENT ON A PER PROJECT BASIS. METER PEDESTAL LOCATIONS, INCLUDING WORKING SPACE, SHALL GENERALLY BE LOCATED ON PRIVATE PROPERTY ADJACENT TO A PUBLIC RIGHT-OF-WAY. SERVICE PEDESTAL SHALL NOT BE LOCATED WITHIN FIVE FEET (5') OF A DRIVEWAY. IT SHALL BE VISIBLE FROM THE STREET AND LEES THAN 100' FROM BACK OF CURB.

SERVICE PEDESTALS SHALL NOT BE LOCATED IN AREAS THAT ARE DEEMED HAZARDOUS TO PERSONNEL, ARE NOT READILY ACCESSIBLE OR IN LOCATIONS SUCH AS GARAGES, CARPORTS, OR BREEZEWAYS. SERVICE PEDESTALS SHALL NOT BE LOCATED IN TRASH, REFUSE, OR GARBAGE ENCLOSURES. SERVICE PEDESTALS SHALL NOT BE LOCATED IN AREAS THAT ARE ELEVATED OR DEPRESSED FROM THE ADJACENT GROUND LEVEL.

SERVICE PEDESTALS SHALL BE INSTALLED ON A 36" X 36" MINIMUM CONCRETE BASE. THE CONCRETE BASE SHALL BE DESIGNED BY A PROFESSIONAL ENGINEER REGISTERED IN THE STATE OF NEVADA. TOP OF THE SERVICE PEDESTAL BASE SHALL BE LEVEL AND SIX INCHES (6") ABOVE ADJACENT GRADE.

WHEN INSTALLED, THE PEDESTAL SHALL BE ORIENTATED SO THE SERVICE METER FACES THE STREET.

7. WORKING SPACE
 - ENTIRE WORKING SPACE MUST BE LOCATED ON THE CUSTOMER'S PROPERTY.
 - MINIMUM 3'-0" ON THE UTILITY SECTION SIDE, CUSTOMER SECTION & METER SOCKET SIDE, AND SIDE OF THE SERVICE PEDESTAL WITH DOOR LOCKS.
 - MINIMUM TWELVE INCHES (12") ON SIDE OF THE SERVICE PEDESTAL WITH DOOR HINGES.
 - MINIMUM 8' VERTICALLY FROM A LEVEL STANDING SURFACE.
 - ENTIRE WORKING SPACE SHALL NOT EXCEED 1/4" PER FOOT IN ALL DIRECTIONS, DRAINING AWAY FROM THE SERVICE PEDESTAL.

SURFACE MATERIAL: THE WORKING SPACE SURFACE MUST BE CONSTRUCTED OF A MINIMUM 4" THICK CONCRETE SLAB.

ACCESSIBILITY: THE WORKING SPACE MUST BE ACCESSIBLE BY A SAFE WALKWAY FROM THE STREET DIRECTLY TO THE SERVICE PEDESTAL LOCATION. THE WALKWAY MUST BE AT LEAST 3'-0" WIDE, LEVEL, AND HAVE AN UNOBSTRUCTED HEIGHT OF 6'-6" FOR ITS ENTIRETY. THE WALKWAY SURFACE MUST BE WALKABLE WITHOUT CREATING A TRIPPING HAZARD (E.G. ASPHALT, CONCRETE, PAVERS, GRAVEL, SMALL ROCK, GRASS, ETC.) AND FREE OF ALL OBSTRUCTIONS AND/OR LANDSCAPE FLORA. WALKWAY GRADES SHALL BE REVIEWED ON A PER PROJECT BASIS BUT SHALL GENERALLY BE LESS THAN A 1:12 SLOPE (8.33%).
8. SERVICE PEDESTAL REQUIREMENTS
 - METERING WITHIN SERVICE PEDESTALS SHALL CONFORM TO ALL CITY OF BOULDER CITY REQUIREMENTS AND REGULATIONS.
 - OVERALL MINIMUM DIMENSIONS ARE APPROXIMATELY 24"x24"x60" (WxDxH).
 - CT MOUNTING AND TERMINATION SECTION REQUIREMENTS SHALL CONFORM TO ELECTRIC UTILITY SERVICE EQUIPMENT REQUIREMENTS COMMITTEE (EUSERC) STANDARD DRAWINGS 314 & 328A, CURRENT EDITION.
 - THE METER SOCKET PANEL SHALL CONFORM TO THE GENERAL LAYOUT OF EUSERC STANDARD DRAWING 332, CURRENT EDITION.

VEHICULAR SAFETY

SERVICE PEDESTALS SHALL BE PROTECTED BY STEEL BOLLARDS WHEN THE SERVICE PEDESTAL LOCATION COULD BE SUBJECT TO A VEHICULAR CRASH. USE OF BOLLARDS WILL BE DETERMINED BY THE PUBLIC WORKS DEPARTMENT ON A PER PROJECT BASIS.

BOLLARDS SHALL NOT BE INSTALLED IN THE WORKING SPACE AS DESCRIBED ABOVE. BOLLARDS SHALL BE CONSTRUCTED OF 6' LONG, 4" SCHEDULE 40 STEEL FILLED WITH CONCRETE BURIED THREE FEET DEEP. THE FOOTING SHALL COMPLETELY ENCASE THE BURIED PORTION OF THE BOLLARD IN 8" THICK, 4,500 PSI CONCRETE. BOLLARDS SHALL HAVE A MAXIMUM SPACING OF 4'-6" ON CENTER. BOLLARDS SHALL BE PAINTED WITH "JET SAFETY YELLOW" ALKYD GLOSS ENAMEL. A 6" WIDE YELLOW CLASS 4 REFLECTIVE TAPE SHALL BE APPLIED AROUND THE BOLLARD 4" DOWN FROM THE TOP. THE OVERALL DESIGN SHALL BE APPROVED PRIOR TO INSTALLATION.



**CITY OF
BOULDER CITY, NV**
**PUBLIC WORKS
DEPARTMENT**
**ENGINEERING
DIVISION**

STANDARD DRAWING ELECTRICAL INFRASTRUCTURE REQUIREMENTS

400AMP - 800AMP SINGLE PHASE PEDESTAL GENERAL NOTES

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BC-400800PED.dwg
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