

CITY OF RIO RANCHO UNMETERED LIGHTING STANDARDS




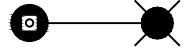

LIGHTING NOTES:

1. CONTRACTOR SHALL VERIFY THAT PRODUCTS FOR ROADWAY LIGHTING COMPONENTS MEET PNM COMPONENT REQUIREMENTS/ APPROVED BY PNM FOR MAINTENANCE PRODUCTS.
2. LOCATIONS OF CONDUIT, FOUNDATIONS, PULL BOXES, AND CONTROL CABINETS SHOWN ON THE PLANS ARE SCHEMATIC AND SHALL BE ADJUSTED IN THE FIELD TO AVOID UTILITIES AND TO MAXIMIZE CLEAR SPACE AVAILABLE FOR PEDESTRIANS AND WHEELCHAIRS TO COMPLY WITH THE AMERICANS WITH DISABILITIES ACT. ANY DEVIATIONS FROM THE SUBMITTED PLANS OR LIGHTING LETTER SHALL BE APPROVED BY THE CITY OF RIO RANCHO. ALL SUCH EQUIPMENT SHALL BE INSTALLED WITHIN THE RIGHT-OF-WAY OR PUBLIC UTILITY EASEMENT. SERVICE EQUIPMENT SHALL BE INSTALLED BEHIND SIDEWALK WITHIN THE RIGHT-OF-WAY OR PUBLIC UTILITY EASEMENT. DISCONNECT/OVERCURRENT PROTECTION SHALL MEET ALL CLEAR SPACE REQUIREMENTS PER PNM AND NEC CODES.
3. THE ELECTRICAL CONTRACTOR SHALL SUBMIT PERMITS AND COMPLETE REQUIRED INSPECTIONS. SUBMITTAL DOCUMENTS SHALL INCLUDE A SITE MAP SHOWING LOCATIONS OF POLES AND PEDESTAL, AND A ONE-LINE DIAGRAM WITH ALL PERTINENT INFORMATION INCLUDING BUT NOT LIMITED TO GROUNDING DETAIL, OVER CURRENT PROTECTION, ETC.
4. THE CONTRACTOR SHALL PAY FOR COSTS FOR PNM TO PROVIDE POWER SERVICE. THESE COSTS WILL BE INCLUDED IN THE LIGHTING INSTALLATIONS.
5. ALL LIGHTING DISCONNECT PEDESTALS SHALL BE MILBANK 5200-XL (UNMETERED SMALL CLOSING PLATE SINGLE PEDESTAL DIRECT BURY) OR EQUIVALENT. THIS SHALL INCLUDE BREAKER AND ALL COMPONENTS REQUIRED TO MEET THE NATIONAL ELECTRIC CODE (NEC).
6. THE CONTRACTOR SHALL FURNISH AND INSTALL SMALL LED LUMINAIRES THAT CONFORM WITH THE NEW MEXICO NIGHT SKY PROTECTION ACT. REFER TO PNM STANDARD DRAWING DS-12-6.5, DS12-6.7, AND DS12-11.5.
7. TOTAL CONDUCTOR RUNS FOR 120 VOLTS SHALL BE NO LONGER THAN 500' FROM THE PNM PEDESTAL/TRANSFORMER/POWER SOURCE TO THE LIGHTING LUMINAIRE STANDARD. PULL BOX IS REQUIRED WHERE ACCESS POINTS EXCEED 300' OF SEPARATION. IF CONDUCTOR RUNS OR VOLTAGE EXCEED THESE PARAMETERS OR MULTIPLE LUMINAIRES ARE TO BE INSTALLED, IT IS THE RESPONSIBILITY OF THE DESIGNER TO COMPLETE A VOLTAGE DROP CALCULATION AND SELECT THE APPROPRIATE WIRE SIZE AS PART OF THE ELECTRICAL PERMIT APPLICATION.
8. LIGHTING PEDESTALS, FOUNDATIONS, CONDUCTORS, AND COMPONENTS SHALL BE LISTED AND APPROVED FOR USE IN COMPLIANCE WITH NEC ARTICLE 110. PEDESTAL SHALL BE LISTED AS SUITABLE FOR USE AS SERVICE EQUIPMENT PER NEC 230.66.
9. CONDUIT RUNS ABOVE GRADE SHALL BE ELECTRICAL SCHEDULE 80 PVC .
10. BURIED CONDUIT RUNS SHALL NOT BE LESS THAN 24" BELOW THE GROUND SURFACE.

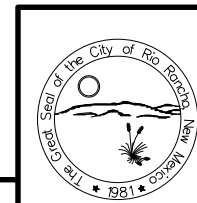
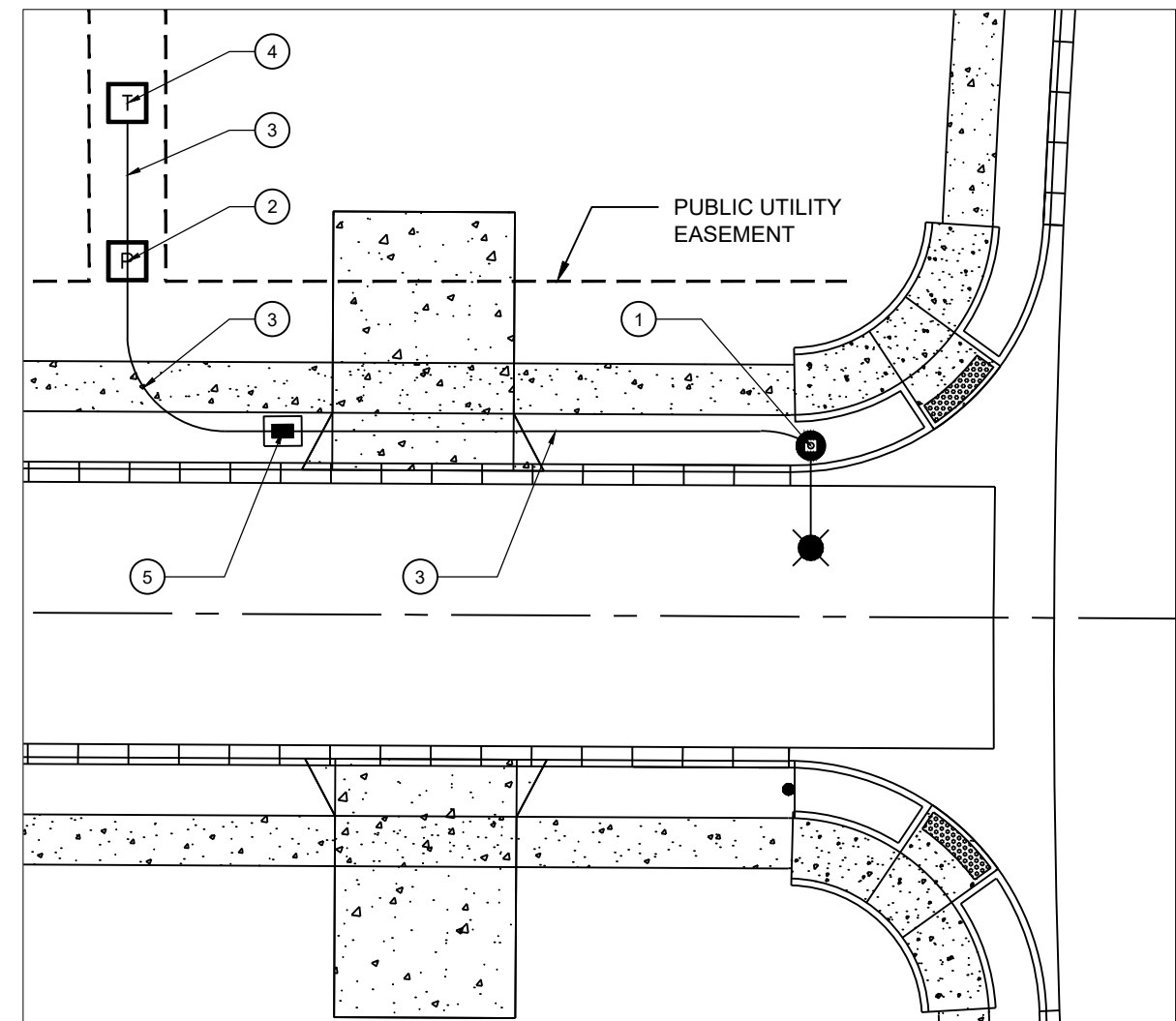
KEYED LIGHTING NOTES:

- ① INSTALL NEW FOUNDATION, STREETLIGHT POLE, AND LED LUMINAIRE.
- ② INSTALL NEW UN-METERED LIGHTING DISCONNECT PEDESTAL.
- ③ INSTALL NEW SCHEDULE 80 PVC ELECTRICAL CONDUIT - 2".
INSTALL NEW SINGLE CONDUCTOR #10 AWG. (3 EACH) (COPPER)
- ④ PNM INSTALLED TRANSFORMER OR SECONDARY PEDESTAL.
CONTACT PNM FOR LOCATION DETAILS.
- ⑤ INSTALL NEW ELECTRICAL PULL BOX (STANDARD) WHERE
ACCESS RUNS EXCEED 300'. WHERE ACCESS RUNS ARE LESS
THAN 300', PULL BOX IS OPTIONAL.

LEGEND:

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|  | TRANSFORMER |
|  | DISCONNECT PEDESTAL |
|  | PULL BOX (STANDARD) |
|  | LIGHTING STANDARD WITH LUMINAIRE |
|  | PUBLIC UTILITY EASEMENT (PUE) |

TYPICAL INSTALLATION DETAIL



City of Rio Rancho
Department of Public Works

UNMETERED LIGHTING STANDARDS

DWG. NO. TSSL-03

October 18, 2021

DATE MODIFIED: