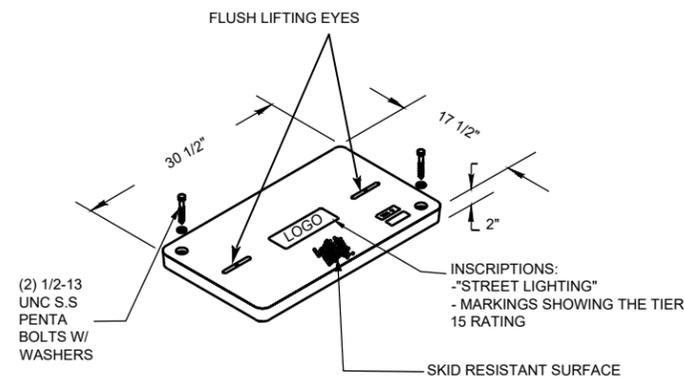


1/2-13 UNC S.S PENTA HEAD BOLTS W/WASHERS

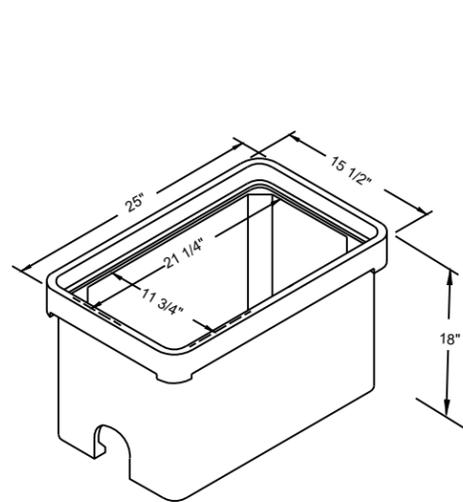
SKID RESISTANT SURFACE



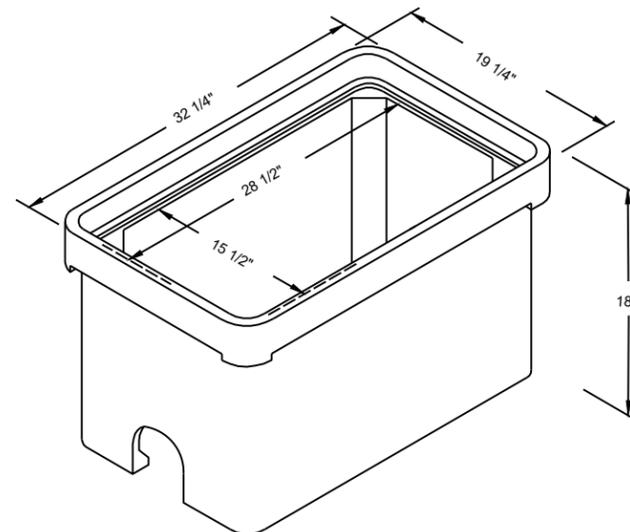
(2) 1/2-13 UNC S.S PENTA BOLTS W/ WASHERS

INSCRIPTIONS:
- "STREET LIGHTING"
- MARKINGS SHOWING THE TIER 15 RATING

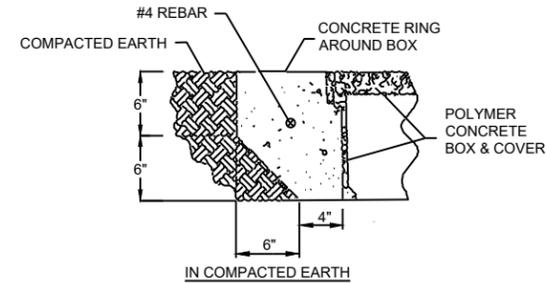
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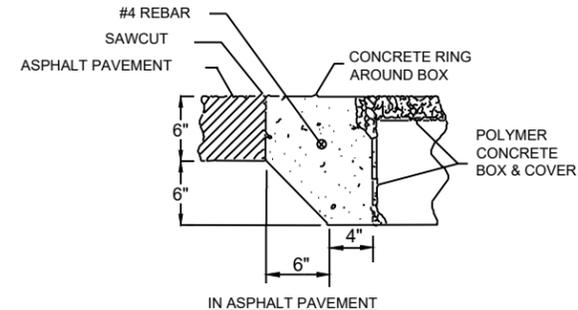
STANDARD PULL BOX



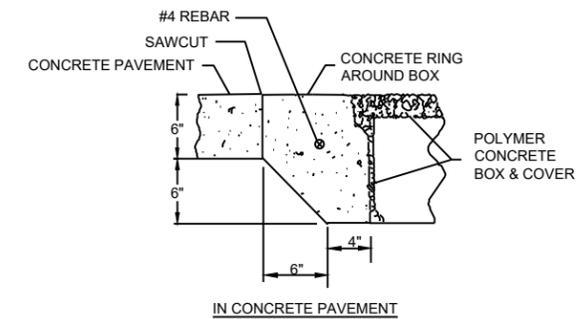
LARGE PULL BOX



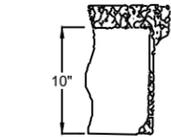
IN COMPACTED EARTH



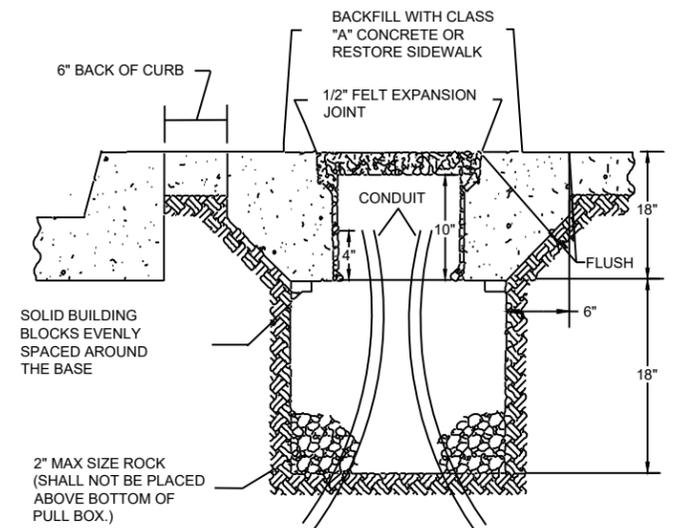
IN ASPHALT PAVEMENT



IN CONCRETE PAVEMENT



PULL BOX DETAILS



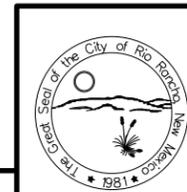
TYPICAL PULL BOX INSTALLATION
NOTE: SEE "CONCRETE COLLAR DETAILS"

CONCRETE COLLAR DETAIL
NOTE: THE CONCRETE COLLAR FOR THE PULL BOXES WILL BE PAID FOR UNDER THE CONTRACT ITEM FOR ELECTRICAL PULL BOX AND NO OTHER MEASUREMENT OR PAYMENT WILL BE MADE THEREFORE.

PULL BOX NOTES

1. PULL BOX COVERS MUST COMPLY WITH ALL TEST PROVISIONS OF ANSI/SCTE 77 2007 "SPECIFICATION FOR UNDERGROUND ENCLOSURE INTEGRITY", AND MUST MEET THE TIER 15 APPLICATION. MARKING SHOWING THE TIER 15 RATING MUST BE EMBOSSED ON THE TOP SURFACE OF THE COVER.
2. PULL BOXES MUST COMPLY WITH ALL TEST PROVISIONS OF ANSI/SCTE 77 2007 "SPECIFICATION FOR UNDERGROUND ENCLOSURE INTEGRITY", AND MUST MEET THE TIER 22 APPLICATION. MARKINGS SHOWING THE TIER 22 RATING MUST BE LABELED OR STENCILED ON THE INSIDE AND OUTSIDE OF THE BOX.
3. PULL BOXES AND COVER MUST BE MADE OF POLYMER CONCRETE WITH FIBERGLASS REINFORCEMENT. THE BOX MUST HAVE CONTINUOUS FIBERGLASS CLOTH REINFORCEMENT ON THE INSIDE AND OUTSIDE PERIMETERS. THE COVERS MUST HAVE A MINIMUM OF TWO LAYERS OF FIBERGLASS CLOTH REINFORCEMENT.
4. PULL BOXES AND COVERS MUST BE TESTED AND CERTIFIED BY UL (UNDERWRITERS LABORATORIES) OR A NATIONALLY RECOGNIZED THIRD PARTY INDEPENDENT TEST LAB AND REVIVIFIED EVERY YEAR TO MEET THE ANSI/SCTE 77 SPECIFICATIONS.
5. COVERS MUST BE SECURED TO PULL BOX USING 1/2 -13 UNC S.S PENTA HEAD BOLTS W/ WASHERS.
6. HOMAC® RAB 350 SERIES ALUMINUM FLOOD-SEAL® MULTI-PORT CONNECTORS SHALL BE USED ON ALL PULL BOX SPLICES.
7. FASTENERS MUST BE CAPABLE OF WITHSTANDING A TORQUE OF 56 FT LBS AND A PULL-OUT STRENGTH OF 750 LBS. THE PULL-OUT TEST MUST BE PERFORMED WITH THE COVER IN PLACE AND THE FASTENERS TORQUED TO 56 FT LBS. FASTENERS, INSERTS, AND COVERS MUST NOT BE DAMAGED BY THE PERFORMANCE OF THIS TEST.
8. COVERS MUST BE MARKED "LIGHTING" OR "STREET LIGHTING" AND HAVE A NONSKID SURFACE WITH RECESSED LOCK-DOWN LOCATIONS FOR PENTA HEAD BOLTS.
9. THE NOMINAL DIMENSIONS OF THE OPENING IN WHICH THE COVER SETS MUST BE THE SAME AS THE COVER DIMENSIONS EXCEPT THE LENGTH AND WIDTH DIMENSIONS MUST BE 1/8 OR GREATER.
10. PULL BOX TYPE AND LOGO SHALL BE APPROVED BY THE PROJECT MANAGER.
11. COLOR OF CONCRETE COLLAR SHALL MATCH COLOR OF SURROUNDING COLORED CONCRETE.
12. PULL BOXES SHALL NOT BE PLACED IN THE ROADWAY, DRIVEWAY, OR LIKELY PATH OF VEHICLE TRAFFIC (REGARDLESS OF TRAFFIC RATING.)

NOT TO SCALE



City of Rio Rancho
Department of Public Works

STREET LIGHTING PULL BOX DETAILS

DATE MODIFIED:

DWG. NO. TSSL-06

April 21, 2025