



**NOTES**

- 3" RNM-40 CONDUIT SHALL BE INSTALLED IN JUNCTION BOX FOUNDATION AT A 45° ANGLE BETWEEN THE TOP OF THE FOUNDATION AND THE INSIDE OF THE JUNCTION BOX. THE CONDUIT SHALL BE CUT FLUSH WITH THE FACE OF THE FOUNDATION AND THE BOX.
- CABLE RACKS SHALL BE SUPPLIED WITH ALL NECESSARY HARDWARE FOR INSTALLATION INCLUDING BUT NOT LIMITED TO DROP-IN ANCHORS, WASHERS, HEX HEAD SCREWS, LOCKS, AND SETTING TOOLS. THE RACKS SHALL BE CONSTRUCTED OF A NON-METALLIC MATERIAL SUCH AS POLYCARBONATE AND HAVE A MINIMUM OF THREE (3) POINTS OF ATTACHMENT. A TOTAL OF FOUR (4) CABLE RACKS SHALL BE INSTALLED PER JUNCTION BOX AND JUNCTION BOX FOUNDATION. SEE DETAIL B, THIS SHEET, FOR CABLE RACK INSTALLATION DETAILS. FOUR (4) CABLE RACKS SHALL BE INSTALLED PER JUNCTION BOX FOUNDATION.
- THE JUNCTION BOX FOUNDATION(S) MAY BE CONSTRUCTED WITH EITHER KNOCKOUTS SIZED AS SHOWN ON THIS SHEET OR WITH INDIVIDUAL CONDUIT KNOCKOUTS. IF MANUFACTURED WITH INDIVIDUAL CONDUIT KNOCKOUTS, A MINIMUM OF SEVEN (7) KNOCKOUTS SHALL BE AVAILABLE, DIVIDED AMONG THE THREE WALLS OF THE JUNCTION BOX. THE CONDUIT KNOCKOUTS SHALL BE SIZED TO FIT A 3" CONDUIT AT A MINIMUM.
- TEN (10) CUBIC FEET OF CRUSHED STONE SHALL BE PLACED BENEATH THE DRAIN OF THE JUNCTION BOX FOUNDATION. THE MINIMUM DEPTH OF THE STONE SHALL BE 12" FROM THE BOTTOM FACE OF THE JUNCTION BOX FOUNDATION.
- GROUND RODS SHALL BE 3/4" IN DIAMETER AND 10' LONG AND AS SPECIFIED IN SECTION 918 OF THE SPECIFICATIONS. JUNCTION BOX COVER SHALL BE BONDED TO THE FRAME AND GROUND ROD VIA HIGHLY FLEXIBLE GROUND CABLE. THERE SHALL BE A MINIMUM OF 5'-0" OF SLACK BETWEEN THE TOP OF THE JUNCTION BOX AND COVER. GROUND CABLE SHALL BE ATTACHED TO THE WALL OF THE JUNCTION BOX VIA CABLE CLAMPS.
- SEE STANDARD DRAWING E-13 FOR DETAILS OF THE JUNCTION BOX FOUNDATION FRAME AND COVER.
- JUNCTION BOX FOUNDATIONS SHALL BE CONSTRUCTED UTILIZING REBAR SIZED AS SHOWN ON THIS SHEET.
- SEE GROUTING DETAIL ON STANDARD DRAWING E-13.
- JUNCTION BOX FOUNDATION SHALL BE CONSTRUCTED OF CLASS B CONCRETE.
- JUNCTION BOX FOUNDATIONS MAY BE CONSTRUCTED WITH 4" THICK WALLS VERSUS 6" (SHOWN) WHERE APPROVED BY THE ENGINEER.
- LIGHTING STANDARD BASE SHALL BE INSTALLED AT THE ALTERNATE LOCATION IF AND WHERE SHOWN ON THE CONTRACT PLANS.
- JUNCTION BOXES AND JUNCTION BOX FOUNDATIONS SHALL NOT BE INSTALLED IN GRASS OR PAVED AREAS WHERE THE SLOPE EXCEEDS 4:1. THE CONTRACTOR SHALL INSTALL EROSION PROTECTION MEASURES, AS DIRECTED ON THE PLANS. IN ANY CASE WHERE A JUNCTION BOX FOUNDATION IS TO BE INSTALLED ON A SLOPE WITHOUT EROSION PROTECTION, THE CONTRACTOR SHALL NOTIFY THE ENGINEER.
- ALL OPEN CONDUIT TERMINATIONS SHALL HAVE RODENT BLOCKING MATERIAL INSTALLED. SEE STANDARD DRAWING E-16.

**JUNCTION BOX FOUNDATION - TYPE 1**  
 FOR POLES WITH 15"Ø BOLT CIRCLE  
 SCALE: 1 1/2" = 1'-0"

NEW JERSEY TURNPIKE AUTHORITY  
**NEW JERSEY TURNPIKE GARDEN STATE PARKWAY**  
 STANDARD DRAWINGS

**JUNCTION BOX FOUNDATION**

OFFICE OF THE CHIEF ENGINEER  
 NEW JERSEY TURNPIKE AUTHORITY  
 WOODBRIDGE, NEW JERSEY

STANDARD DRAWING  
**E-12**

REV.	DESCRIPTION	DATE
0	REISSUED DRAWING	09/21