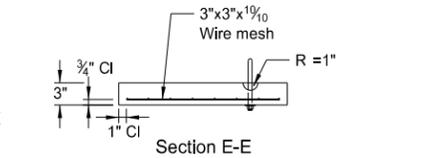
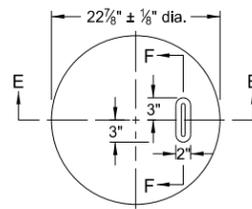
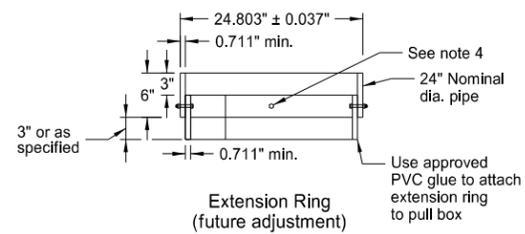
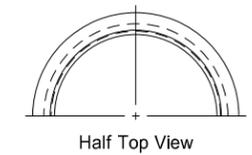
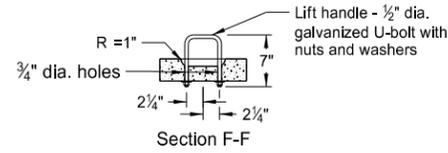


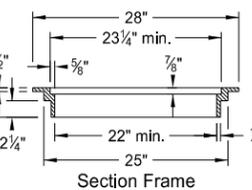
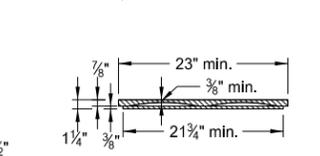
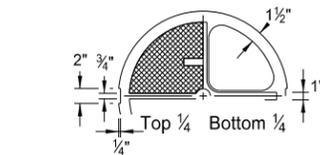
PULL BOX DETAILS



Concrete Cover



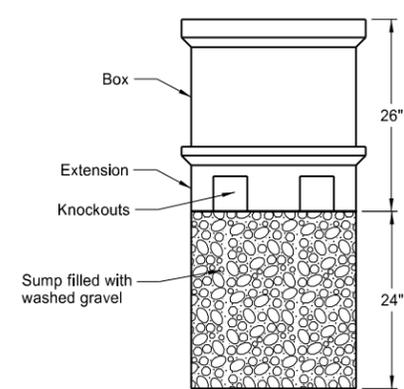
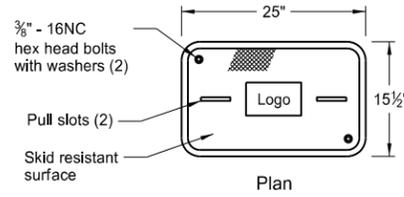
Half Top View



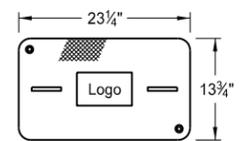
Section Frame

Section Cover

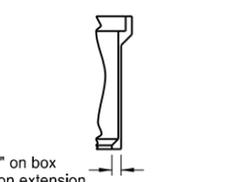
Cast Iron Frame and Cover



Elevation



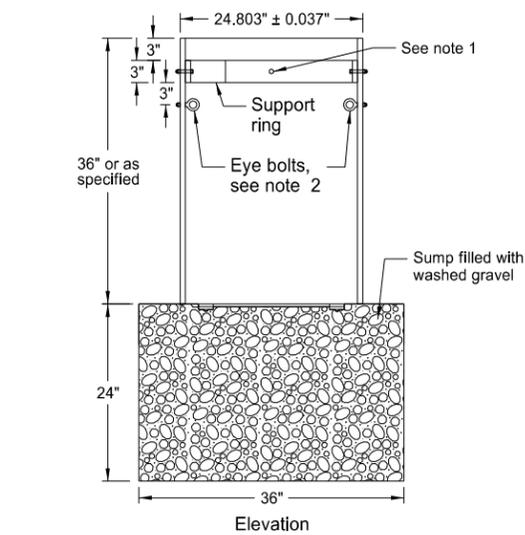
Cover



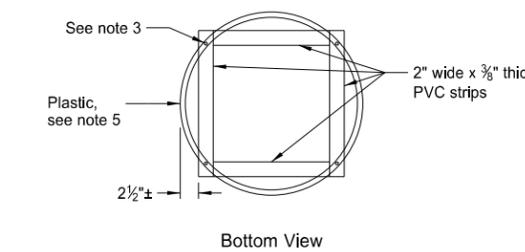
Polymer Concrete Pull Box

Note: Polymer concrete reinforced by a heavy weave fiberglass

- Polymer Concrete Pull Box Notes:
1. Place top of pull box flush with surfaced area and approximately one inch above earth or sodded areas on level surfaces.
 2. Provide at least one knockout per side in pull box.
 3. Provide Polymer Concrete pull box meeting Tier 22 as per ANSI / SCTE 77.

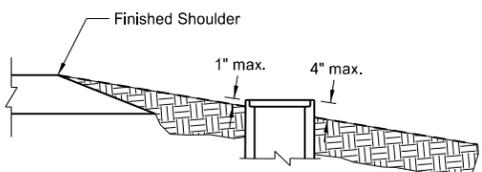


Elevation



Bottom View

PVC Pull Box



Typical Pull Box in Rural Section

- PVC Pull Box Notes:
1. Attach split 24" nominal diameter PVC cover support ring with four 3/8" dia. x 2" long stainless steel hex head bolts with nuts at 90 degrees apart.
 2. Two type 2 shoulder eye bolts, 3/8" dia. x 1 1/4" shank length with hex nuts 180 degrees apart (for lifting pull box and supporting electric cable).
 3. Four 1/4" x 1 1/4" long galvanized lag screws. Screw assembly together.
 4. Attach split 24" nominal diameter PVC cover support extension ring with four 3/8" dia. x 2" long stainless steel hex head bolts with nuts at 90 degrees apart.
 5. Bolt assembly together.
 6. Size conduit holes in barrel section a maximum of 1" larger than size of conduit being used.
 7. After pull box and conduit installation, make inside walls and cover water tight to the satisfaction of the Engineer.
 8. PVC pipe to meet requirements of ASTM F679T-1 or equal.
 9. Use austenitic stainless steel hex head bolts and nuts. Galvanize other fasteners as per AASHTO M-232.
 10. Coat concrete cover on top and sides with an approved epoxy coating. Apply light gray, clear, or neutral color epoxy protective coating as recommended by the manufacturer. Clean the surfaces of concrete receiving the epoxy protective coating by wire brush and dry before application.
 11. Cast Iron Cover castings shall be gray iron as per AASHTO M 105, Class 35B.

NORTH DAKOTA DEPARTMENT OF TRANSPORTATION	
10-8-13	
REVISIONS	
DATE	CHANGE
7-8-14	Added Note 3
10-17-17	Updated to active voice.
8-28-19	New Design Engineer PE Stamp.

This document was originally issued and sealed by
 Kirk J Hoff,
 Registration Number
 PE- 4683,
 on 8/28/19 and the original document is stored at the
 North Dakota Department
 of Transportation