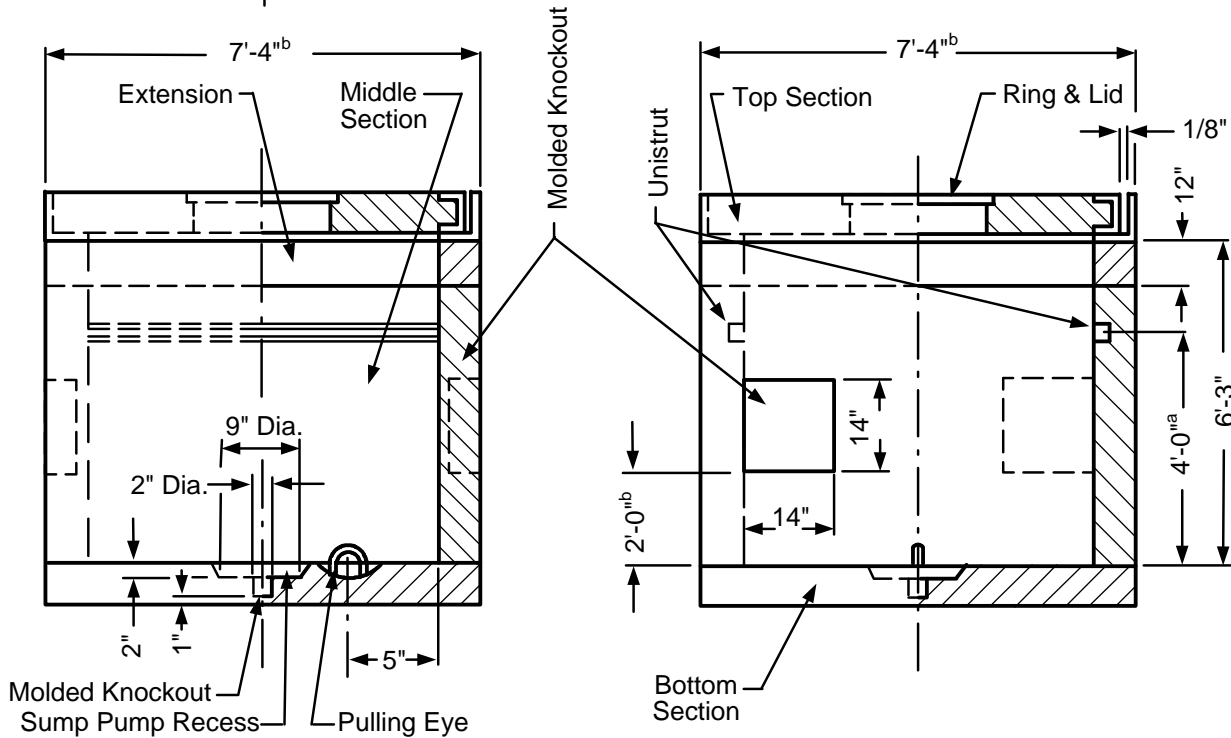
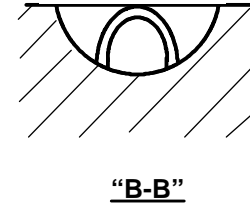
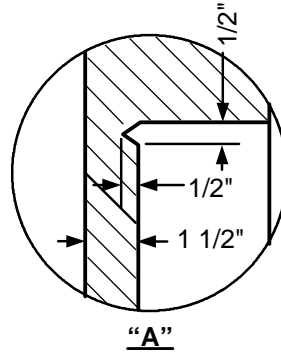
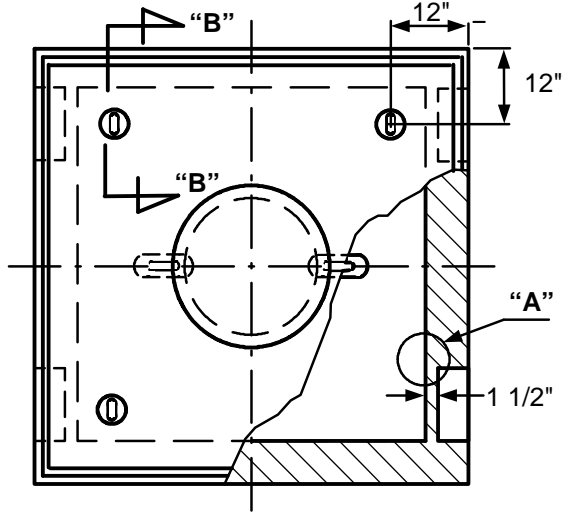



DESIGN REQUIREMENTS

TOLERANCES:
 a = +1/2", -1/2"
 b = +1", -1"

APPROVED INTERCEPT PULL BOXES	
MANUFACTURER	PULL BOXES
Jensen Precast	J-RS-83
Rockway Precast	R-RS-83



RS-83 INTERCEPT PULL BOX

				Electric Service Requirements		RS-83
				Intercept Pull Box: 72" x 72" x 75"		
Drawn:	Eng:	Appr:	Date:	Revision: 1		Page 1 of 4
DH	DA	DA	9/06			

Vaults and Boxes

1. The Ring and Lid

1. Shall be made in USA, according to D&L Supply, A-1106 drawing and meet AASHTO-H20.44 specification. (Traffic ring and lids not made in US require NVE approval).
2. Lid shall have a 1" diameter lifting hole (through the thickness of the lid), located 9" to 12" from the center of the lid.
3. Lid shall have the word "ELECTRIC" in 1" letters, embossed in the top.
4. Lid shall be safely fastened to the ring with four ½"-13 UNC pentahead bolts.
5. Lid shall have a brass I.D. plate with dimensions of 2.5" diameter x .025" thick (level with the top of the lid) fastened to the lid. (For location see RS-97).

2. Top Section

1. A 30" inside diameter cast traffic frame (with lid) centered and molded into top section.
2. Four lifting provisions not extended above the top of the pad.
3. Pad (with an entrance hole of a 30" min. diameter) that can be easily lifted.

3. Extension Section

1. Be 12" in height.
2. Have an anchor at each corner of the steel frame.

4. Middle Section

1. Two hot dip galvanized steel unistruts (P3200HG x 72" located in opposite walls).
2. Two molded knockouts, 14" (W) x 14" (H) in two walls without unistrut, each knockout shall have a ½" notch around each knockout per detail "A" on page 1.
3. 72" (W) x 72" (L) inside dimensions with tolerances of ±1".


5. Bottom Section

1. Two steel pulling eyes in the floor.
2. A 12" diameter x 3" deep sump pump recess with a 2" diameter knockout in the middle of the floor.

6. Entire Structure

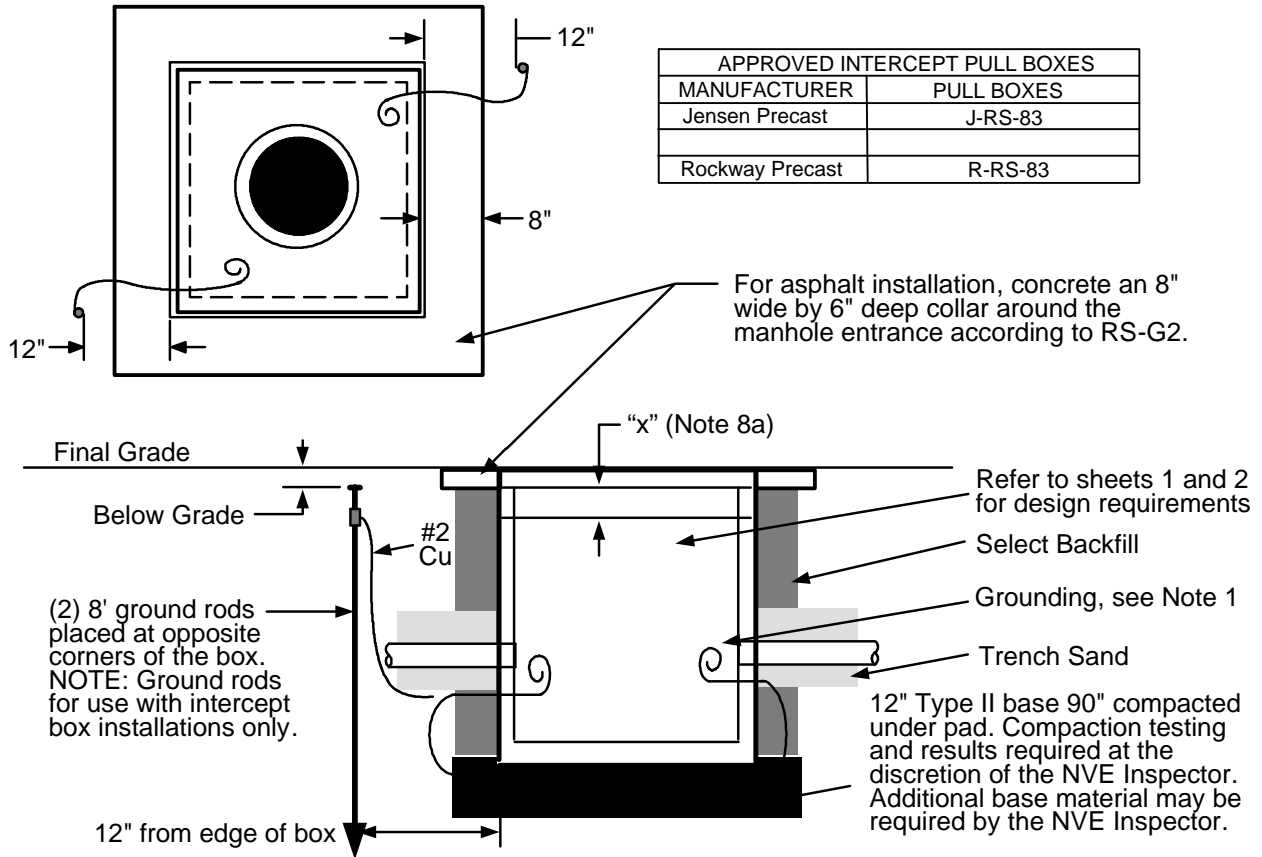
1. All exposed steel except traffic lid shall be hot dip galvanized.
2. Shall meet RS-G2 and RS-G4.

NOTE: Only this box may be installed directly under street traffic area and be utilized as a splice or pull box.

				Electric Service Requirements		RS-83
				Intercept Pull Box: 72" x 72" x 75"		
Drawn:	Eng:	Appr:	Date:			Revision: 1
DH	DA	DA	9/06			Page 2 of 4


Vaults and Boxes

Installation Requirements




NOTES:

1. Grounding by customer, shall be one of the following:
 - A. 2-50' lengths of #2 stranded bare copper wire laid in trench with 5' tails in the box.
 - B. Only at the discretion of the NVE Inspector, two 1/2" x 8' copper clad ground rods placed at opposite corners of the box may be installed.
2. The bottom surface of the pull box shall be level.
3. If the ground water level is at least 3' below the bottom of the pull box, the 2" diameter knockout in the sump pump recess shall be removed.
4. A 4" split conduit shall be placed over the direct buried 1/0 cable before grouting the box to protect the cable.
5. Two of 1/2" -13 UNC spring nuts shall be installed by NVE for each module.
6. NVE lineman shall stamp(impress) the UGM Identification Number into brass I.D. plate.
7. Knockouts shall be removed from the inside of the structure.
8. If any final grade adjustment "x" is needed, take the following action:
 - A. 3" to +18": The NVE contractor shall exchange existing 12" extension with 9" to 18" high extension ordered from the original manufacturer.
 - B. Below -3" and above +6": Any extension with 9" to 18" in height shall be subject to Regional Standards approval.

				Electric Service Requirements		RS-83
				Intercept Pull Box: 72" x 72" x 75"		
Drawn:	Eng:	Appr:	Date:			Revision: 1
DH	DA	DA	9/06			Page 3 of 4

Vaults and Boxes

9. If this box will be used as a pulling box, the top section (4,200#) shall be lifted by a crane for the hot stick operation.
10. This box shall be used if installation directly under street traffic area is required.
11. Retaining wall required when grade from bottom of pad rises or lowers more than 1' in 5' horizontally or when required by developer as perimeter wall.

				Electric Service Requirements		RS-83
				Intercept Pull Box: 72" x 72" x 75"		
Drawn:	Eng:	Appr:	Date:			Revision: 1
DH	DA	DA	9/06			Page 4 of 4