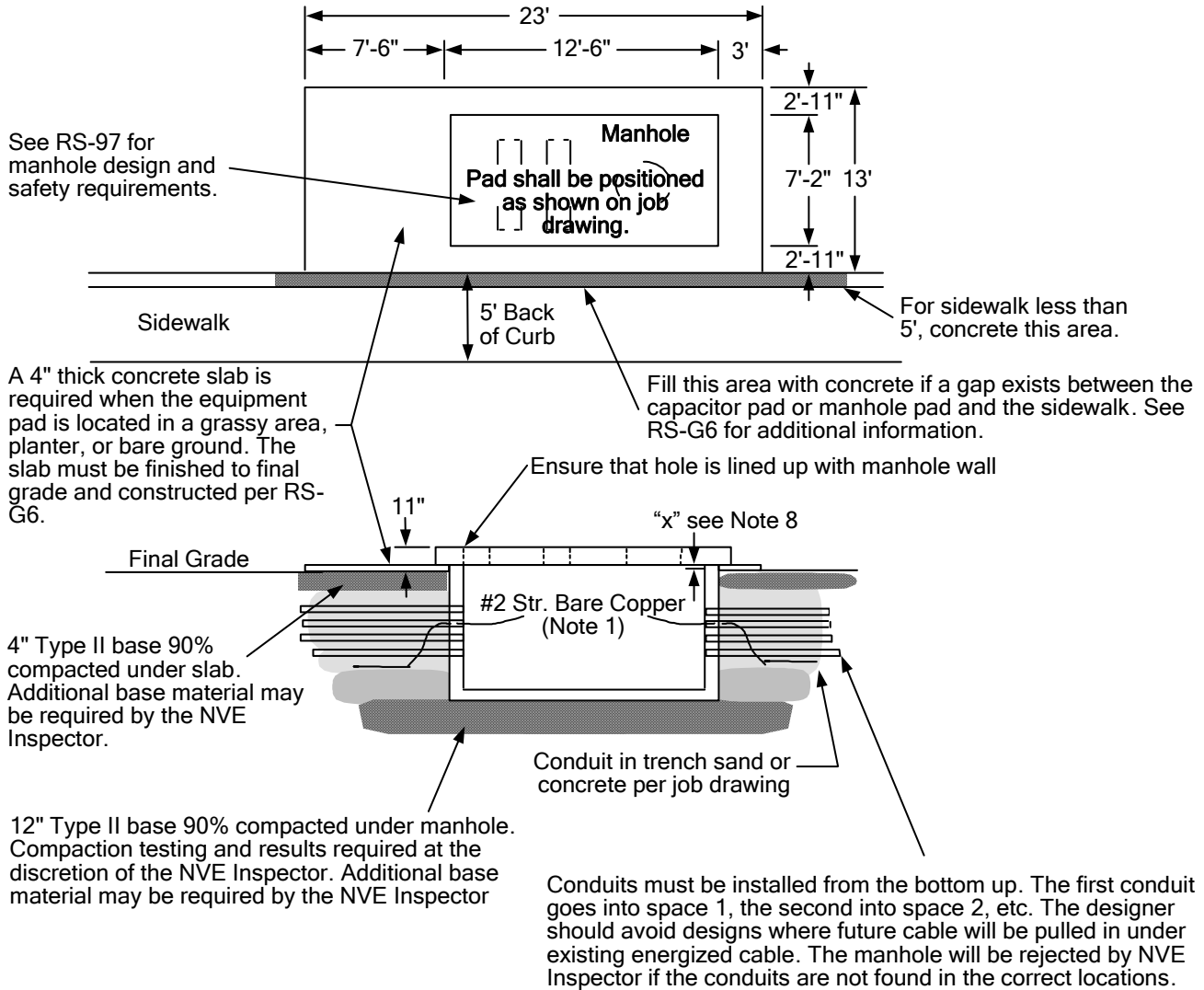


# Vaults and Boxes

## INSTALLATION REQUIREMENTS

APPROVED STRUCTURE	
MANUFACTURER	MANHOLE
Jensen Precast	J-RS-97

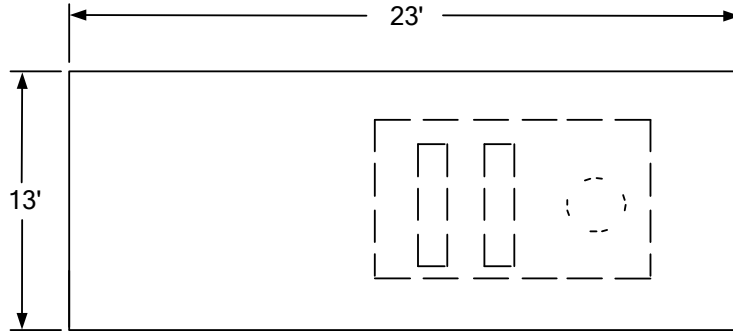


	Electric Service Requirements			RS-99
	<b>12kV Manhole Pad: Not Adjacent to Public R.O.W.</b>			
Drawn:	Eng:	Appr:	Date:	Revision: 3
KT	RD	DA	9/16	Page 1 of 2

# Vaults and Boxes

**NOTES:**

1. Grounding by customer shall be 2-50' #2 stranded bare copper ground wires laid in the bottom of the conduit trench in opposite directions with 2-5' tails left in the box.
2. For location and clearances to other structures, see RS-5.
3. Retaining wall required when grade from bottom of pad rises or lowers more than 1" in 5' horizontally.
4. Required easement (conduit may require As-Built easement):



5. If the designer specifies additional conduit openings, the contractor shall core drill the holes as required.
6. The bottom surface of the manhole shall be level.
7. 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.
8. If any final grade adjustment "x" is needed, take the actions listed in table 1.

**Table 1. Adjustment Requirements**

Adjustment	Action
0" – 6"	The top of the pad has to clear the final grade 11" to min. 5"
6" – 24"	The NVE contractor shall order an extension from the original manufacturer.
Above 24"	Any extension exceeding 24" shall be subject to T & D Standards approval

9. If bottom of the manhole pad is located 1" to 24" above or below ground level, the proposed adjustment shall be subject to T & D Standards approval.
10. This manhole may be installed next to sidewalks, but never under traffic areas.  
**NOTE:** For heavy frequency traffic areas, (e.g. streets, roads, etc.) use the RS-94 manhole.