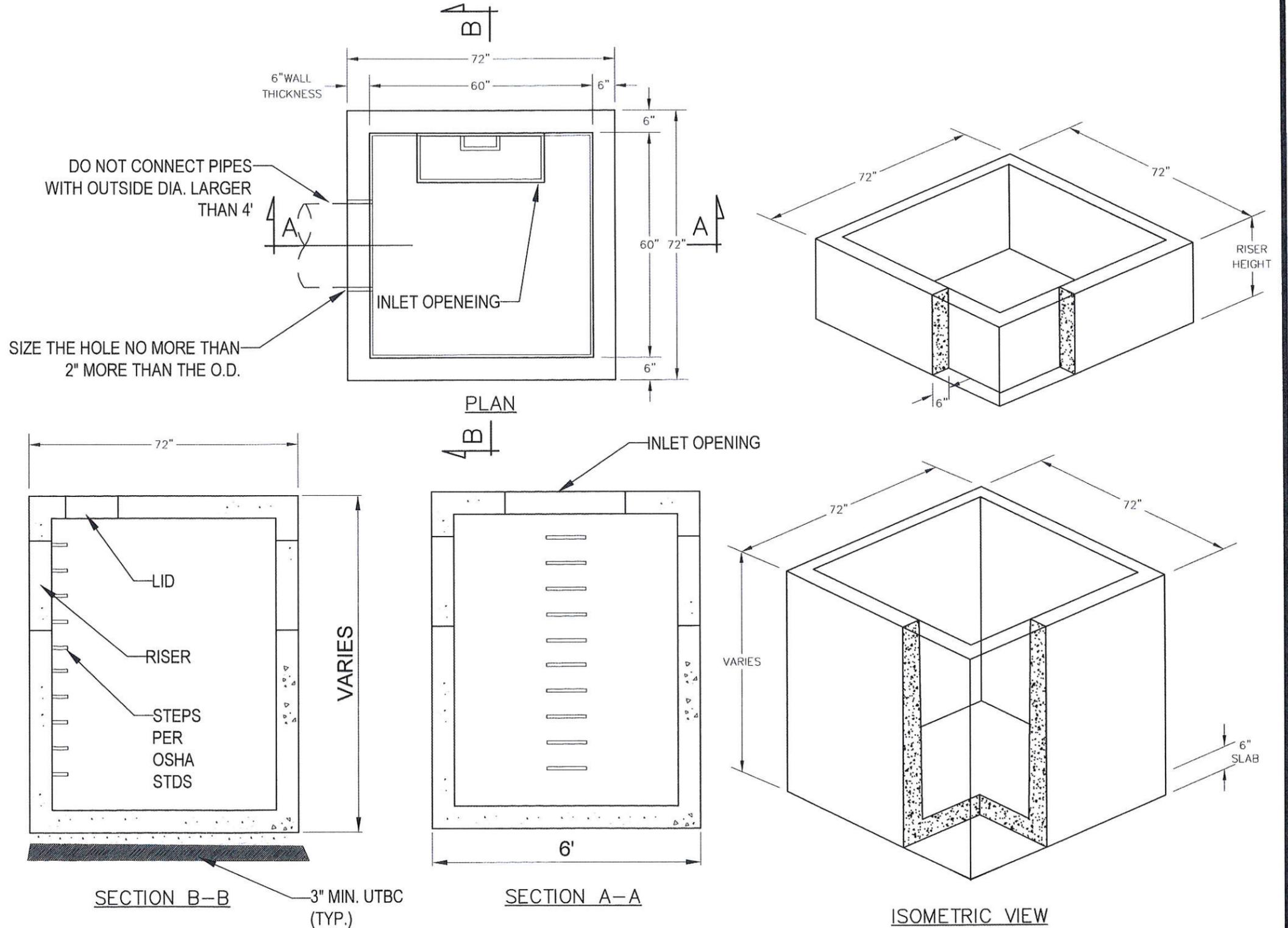


NOTES:

1. USE COATED DEFORMED REINFORCING STEEL BARS CONFORMING TO AASHTO M 284 OR M 111 AND M 31 GRADE 60 RESPECTIVELY OR GFRP BARS THAT MEET OR EXCEED AASHTO STANDARDS.
2. CORE SIDE WALL TO FIT CONNECTING PIPES. NO KNOCK-OUTS ALLOWED.
3. CENTER PIPE IN BOX SIDES. USE APPROVED NON-SHRINK GROUT TO SEAL OPENING AROUND PIPE OR USE APPROVED PIPE MANUFACTURER'S PIPE BOOT.
4. USE CLASS 4000PSI CONCRETE (APWA SECTION 03 30 04).
5. USE TYPE II OR V CEMENT (LOW ALKALI).
6. PROVIDE MIN. 2" CONCRETE COVER TO REINFORCING STEEL.
7. PROVIDE 3/4" CHAMFER ON ALL CONCRETE CORNERS.
8. FOR GRATE AND FRAME SEE SD05.
9. PLACE STEPS BEGINNING 2' BELOW FINISH GRADE AND 1.5' FROM THE FLOOR. FOLLOW OSHA STANDARDS.
10. ANCHOR CURB TO BOX BY PLACING #4 DOWELS ON THE BOX LID AT 1 FOOT O.C.
11. USE THIS BOX FOR CLEAN-OUT. USE OTHER BOXES TO FIT PIPE SIZES TO BE CONNECTED.



City of Bluffdale
Engineering Standards
Approved *Michael G. O'Connell* 15 AUG 14
City Engineer Date

STANDARD DETAIL TITLE
DRAINAGE BOX - CLEAN OUT

DETAIL SERIES:
DRAINAGE
DETAIL NO.
SD03