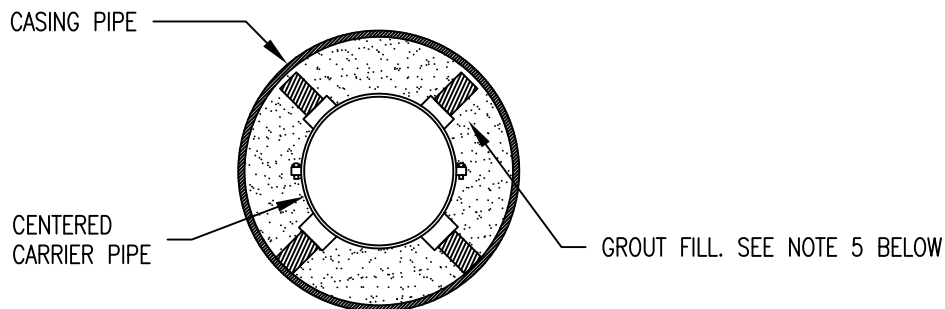
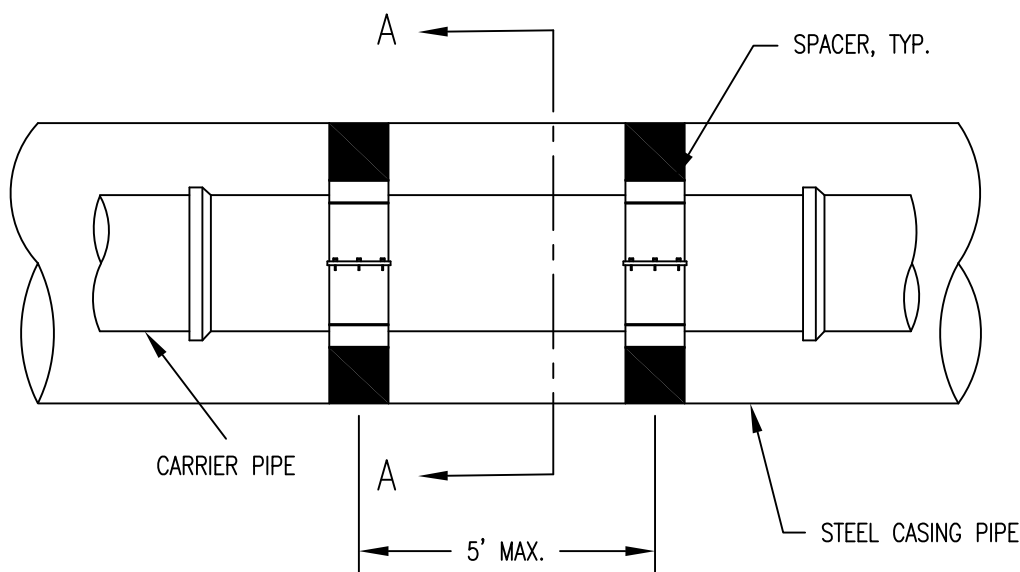




SECTION A - A



CASING SPACER PLACEMENT DIAGRAM

NOTES:

- 1) CASING PIPE I.D. SHALL BE EQUAL TO TWICE THE I.D. OF CARRIER PIPE PLUS 2 NOMINAL SIZES. THICKNESS AND COATING SHALL BE PER ITEM 17.
- 2) CENTERED POSITIONING WITHIN THE CASING PIPE SHALL BE SIZED SUCH THAT THE HEIGHT OF THE RISERS AND RUNNERS CENTER THE CARRIER PIPE IN THE CASING PIPE WITH A TOP CLEARANCE OF 3/4" MIN.
- 3) 8" WIDE SPACERS AT 5' INTERVALS ON SIZES UP TO 48" CARRIER PIPE SHALL BE USED, CARRIER PIPES OVER 48" O.D. SHOULD BE SUPPORTED WITH 12" WIDE SPACERS.
- 4) CASING SPACERS (STAINLESS STEEL) STYLE CCS CASCADE WATERWORKS MANUFACTURING OR APPROVED EQUAL.
- 5) CASING PIPE MAY BE SAND FLOODED IF APPROVED BY ENGINEER. FILLING CASING PIPE SHALL NOT OCCUR UNTIL THE COUNTY HAS APPROVED LINE, GRADE, CCTV AND OBSERVED WATER FLOW THROUGH CARRIER PIPE. FOR DR35 PIPE, DO NOT EXCEED 11 PSI GROUTING PRESSURE.

APPROVED 03/26

REVISION	DATE	BY
SIZING & TESTING CLARIFICATION	3/31/26	ARM

NO SCALE

STARK COUNTY
SANITARY ENGINEERING DEPT.

DETAIL DWG.NO. 8
ITEM NO. 17

BORED CASING &
CARRIER PIPE