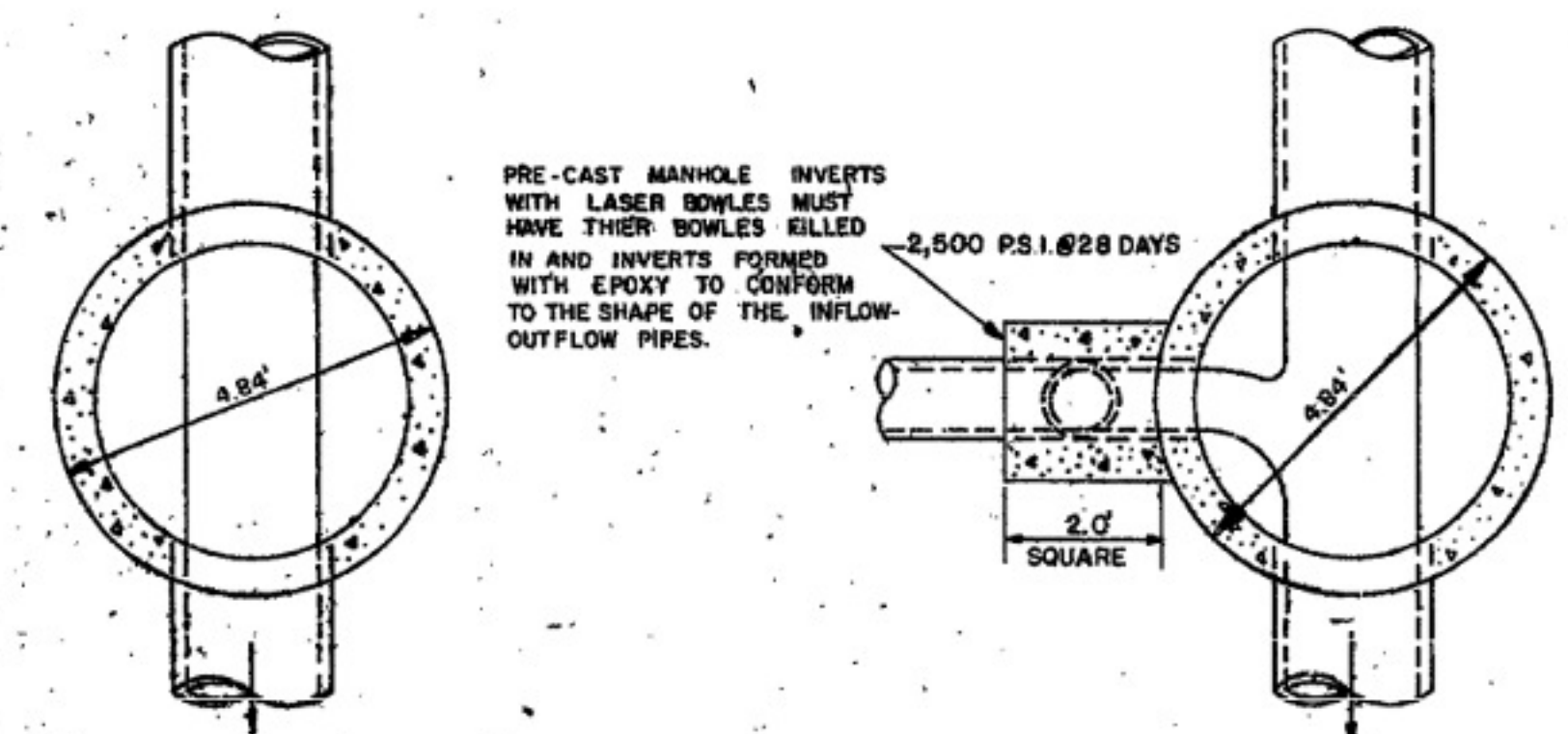
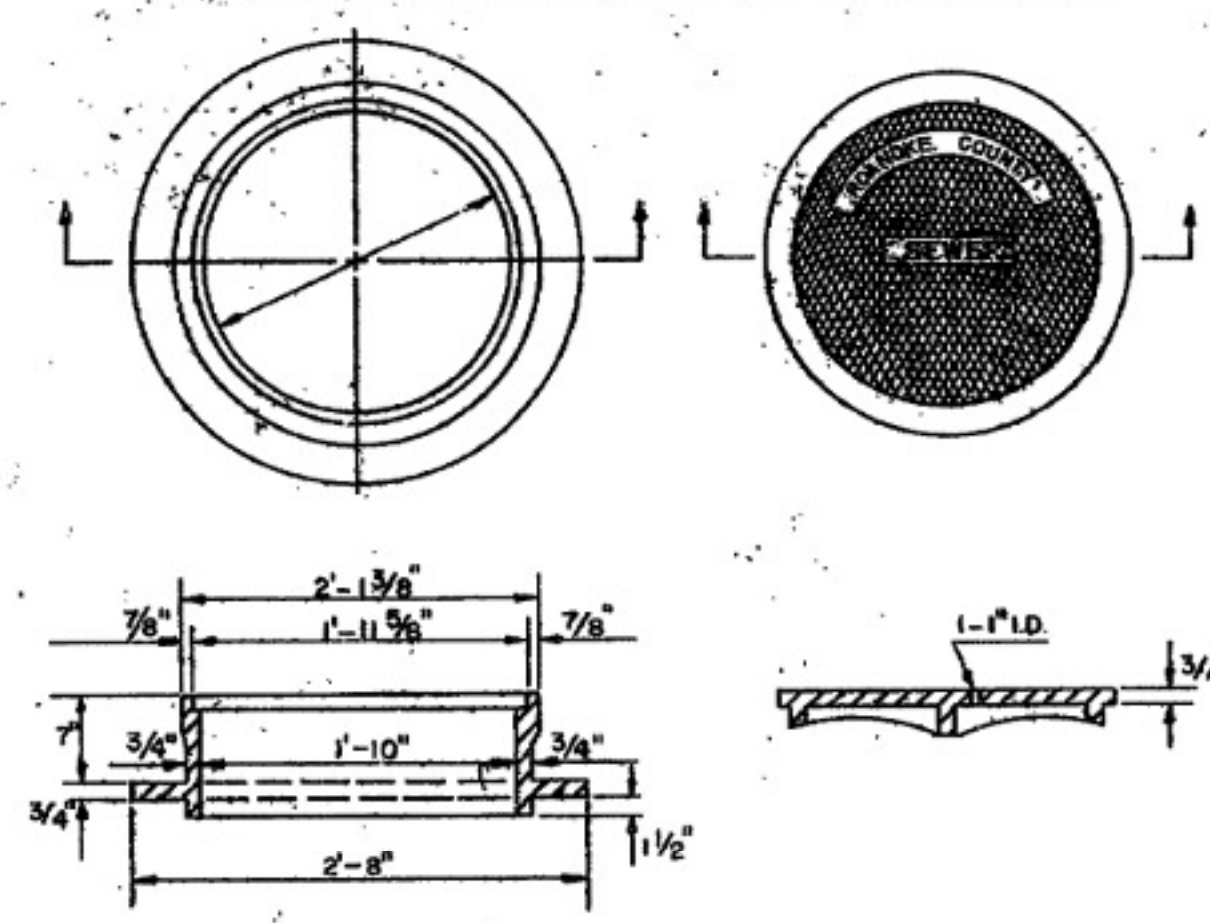
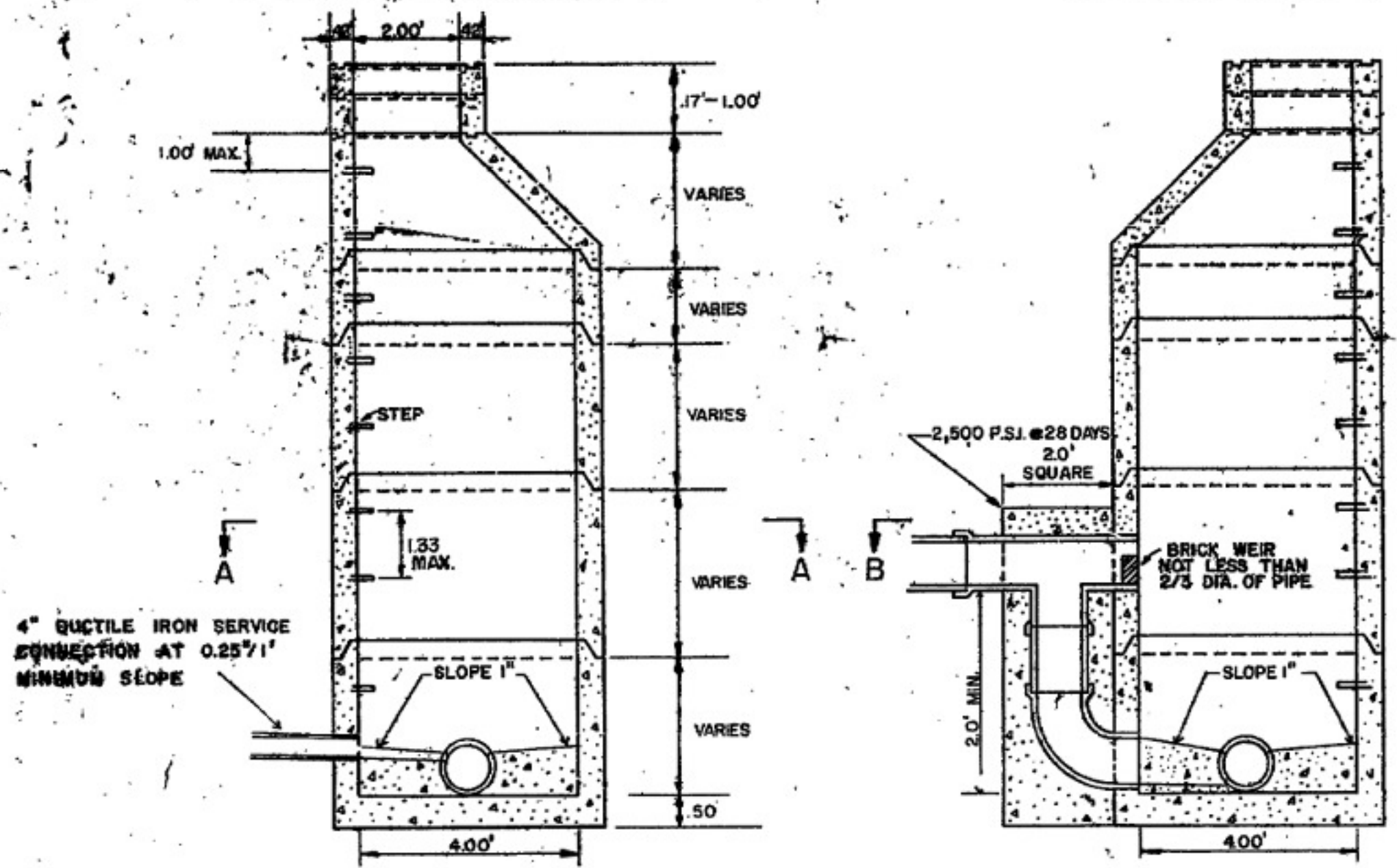


MANHOLE FRAME AND COVER
 RICHARD FOUNDRY CO. DESIGN NO. B-1444,
 DEWEY BROS., INC. MH-RCR-56, OR EQUIVALENT



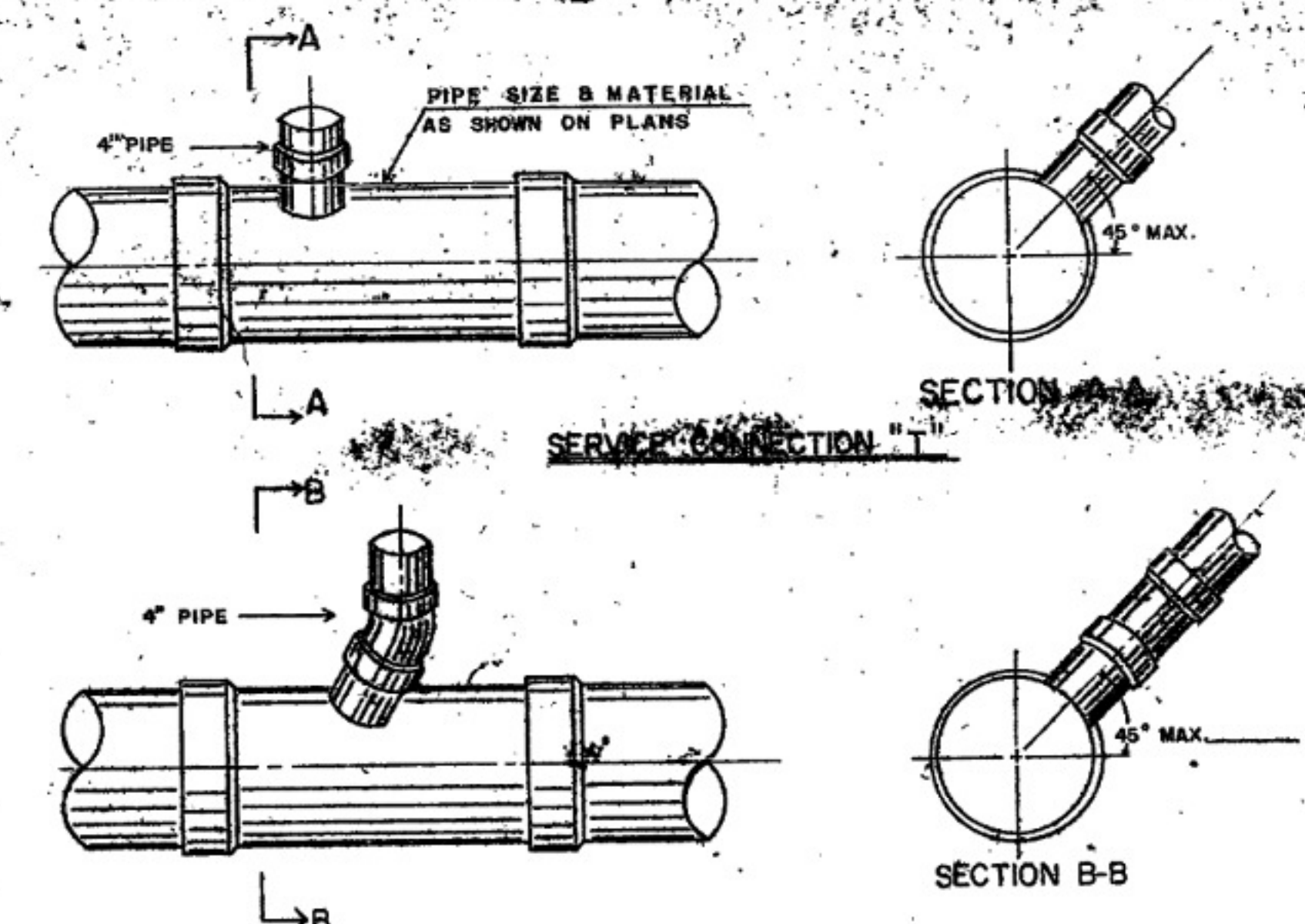
**SECTION A-A
 STANDARD MANHOLE**

**SECTION B-B
 DROP MANHOLE**



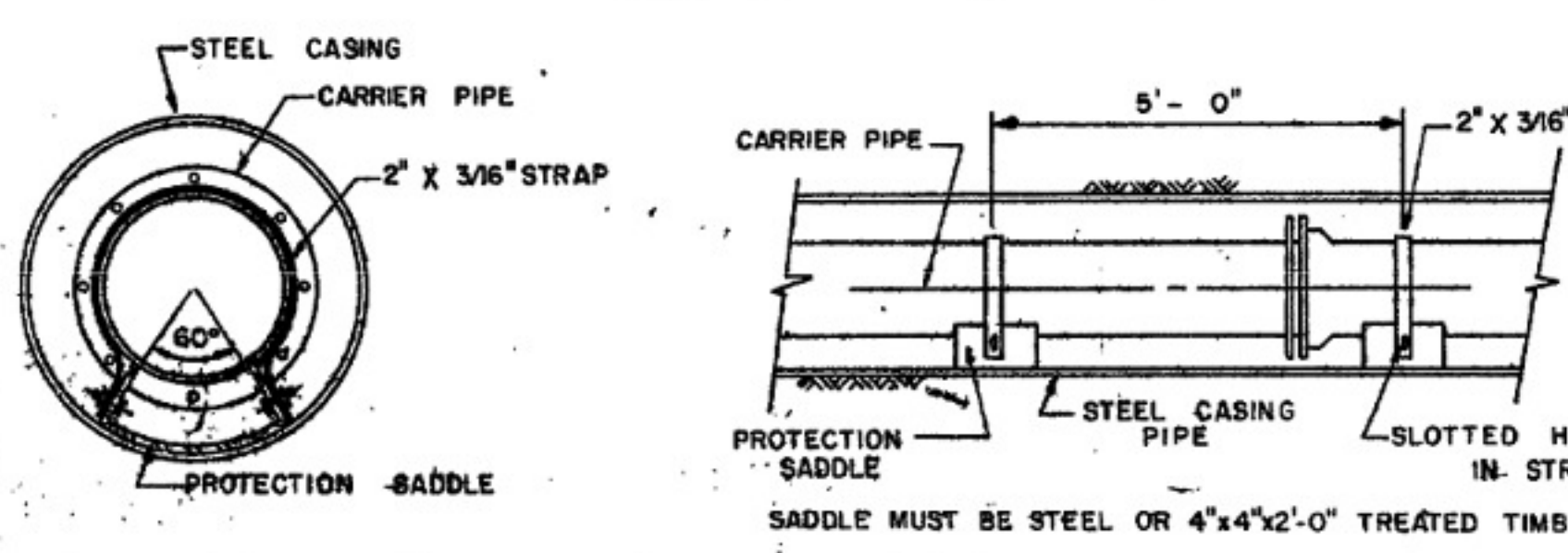
STANDARD MANHOLE

DROP MANHOLE

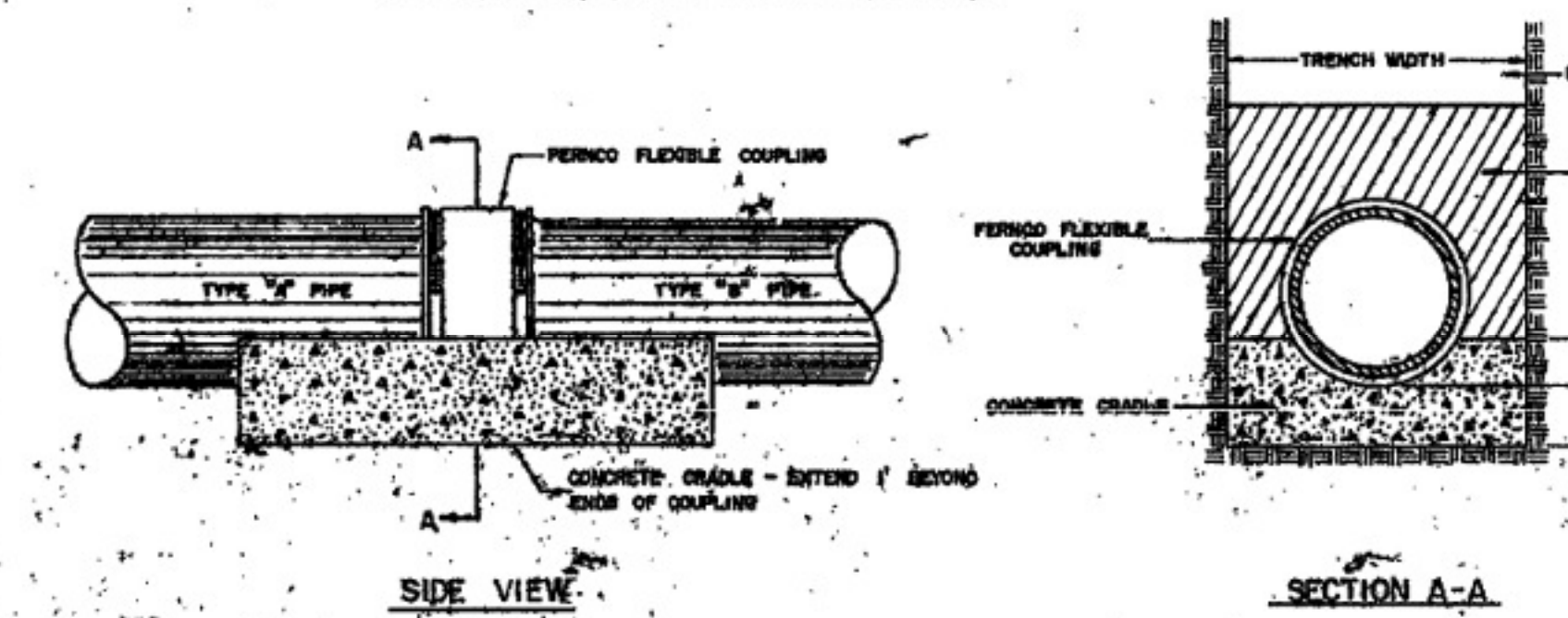


SERVICE CONNECTION "T"

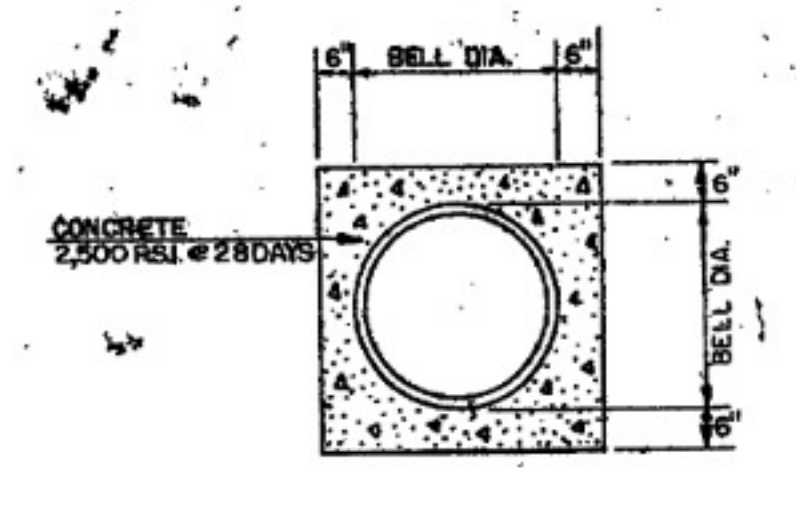
SERVICE CONNECTION "WYE"



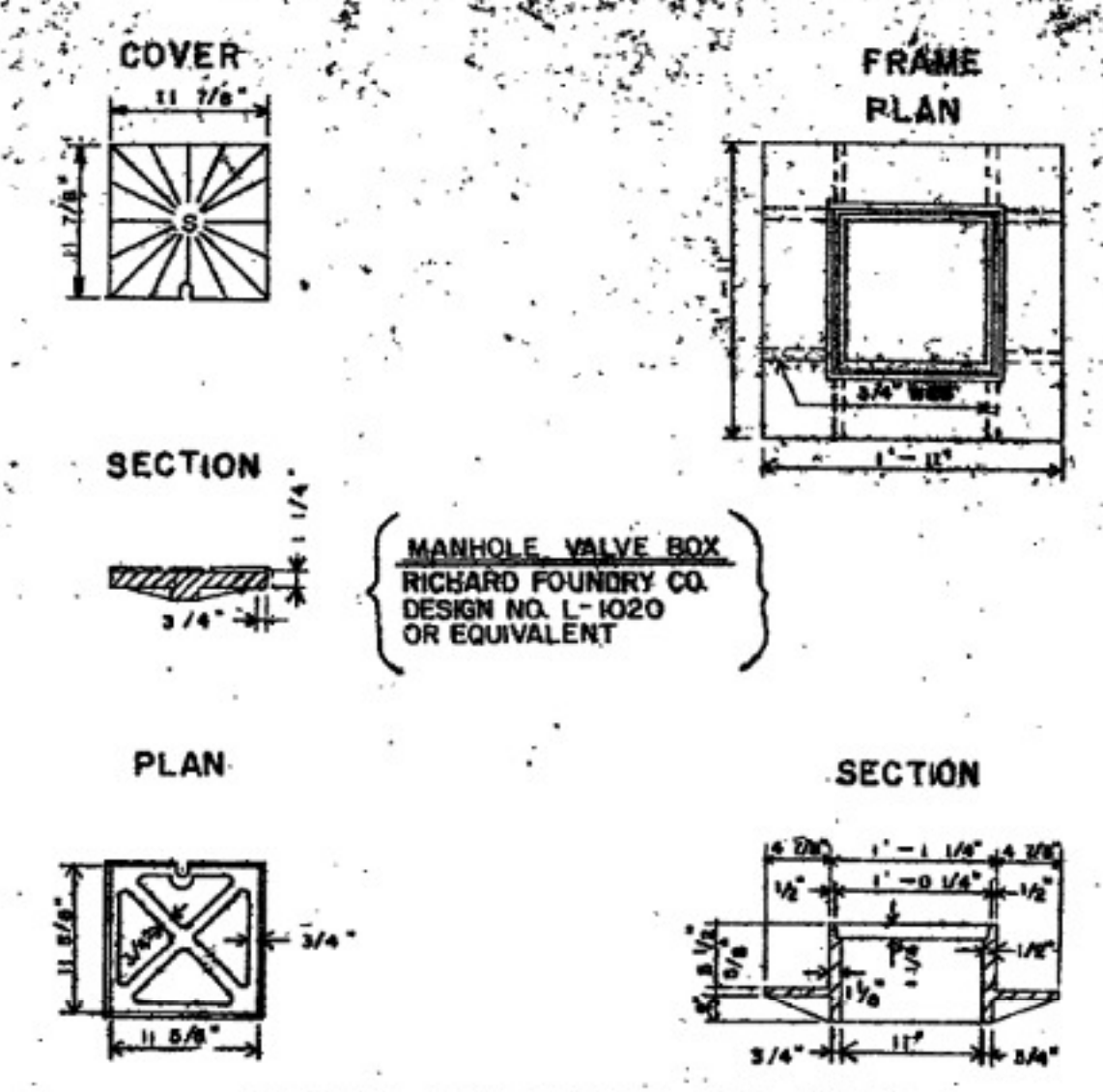
BORING AND CASING



JOINING DISSIMILAR PIPE

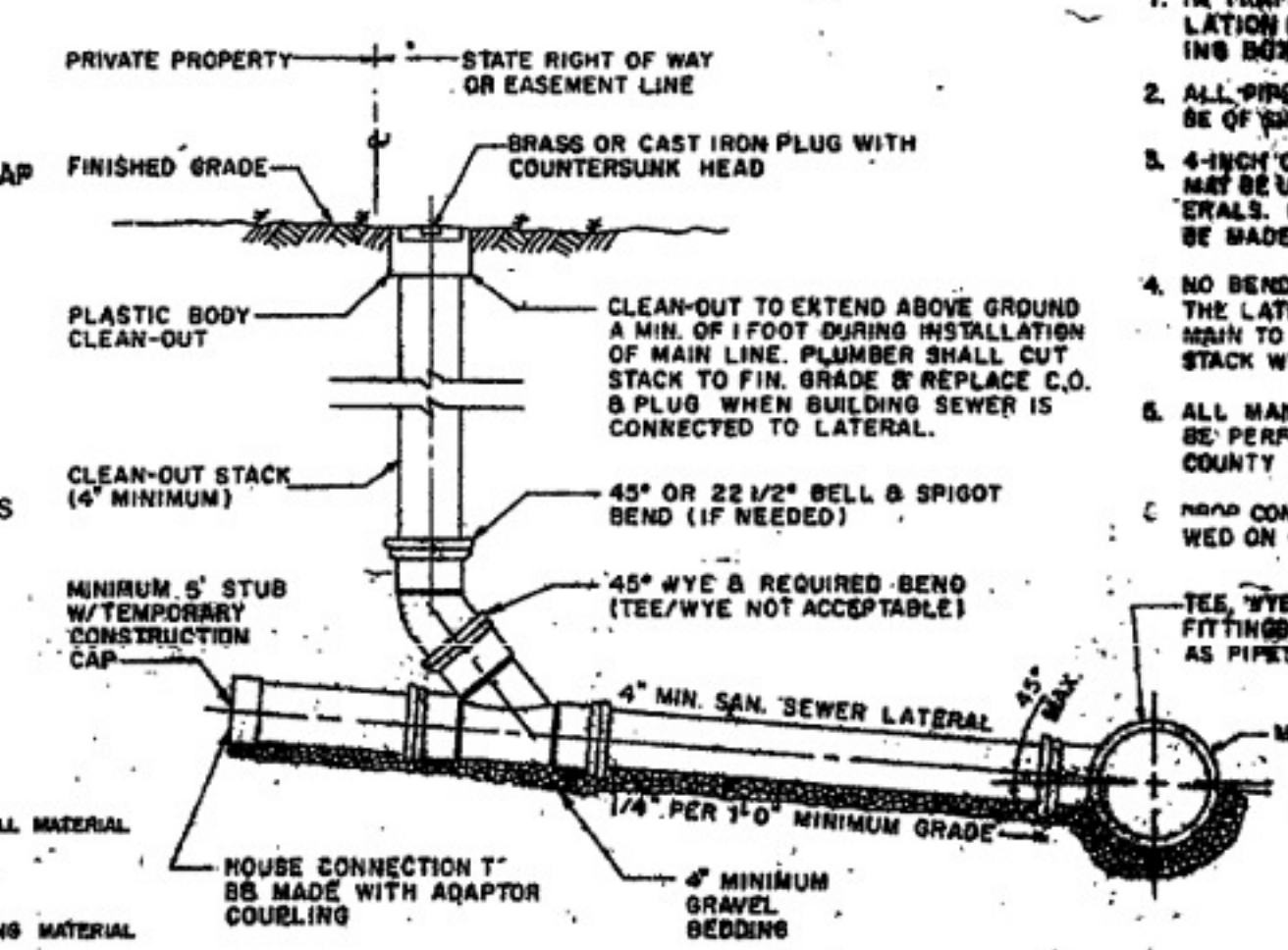


CONCRETE ENCASED PIPE



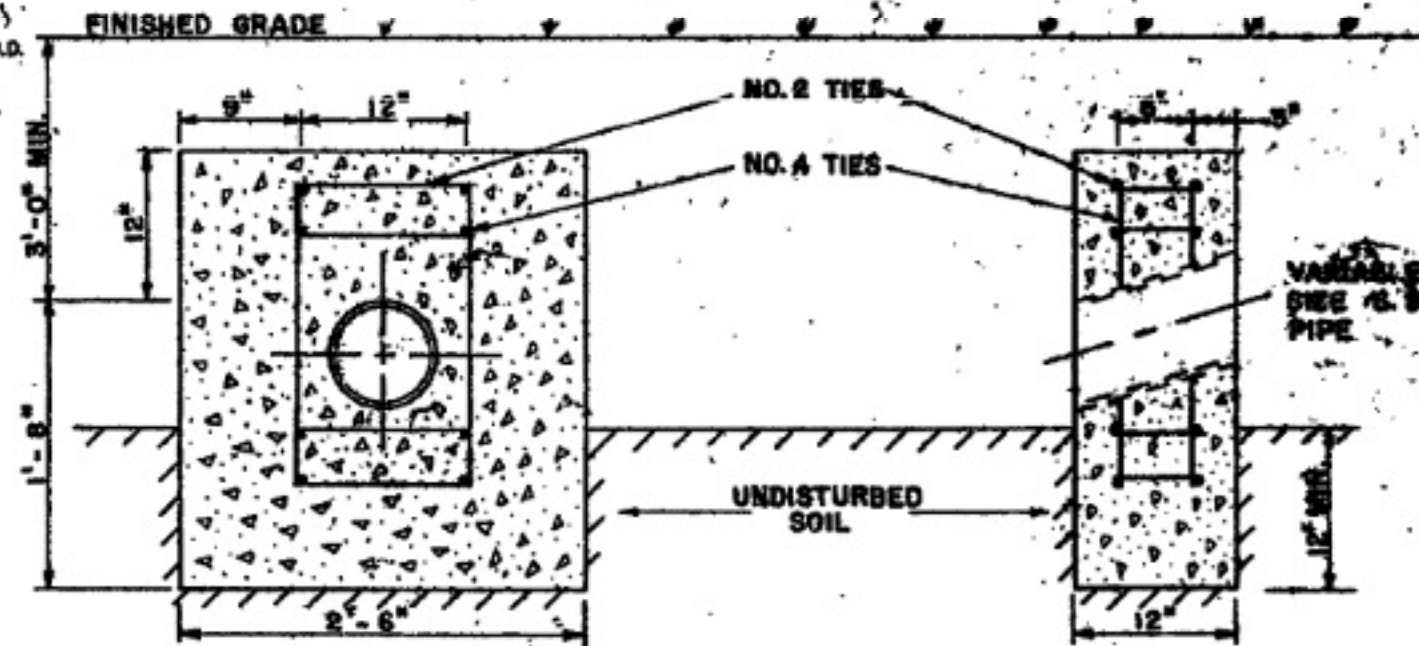
CLEAN OUT FRAME AND COVER

SCALE: 1" = 1'-0"



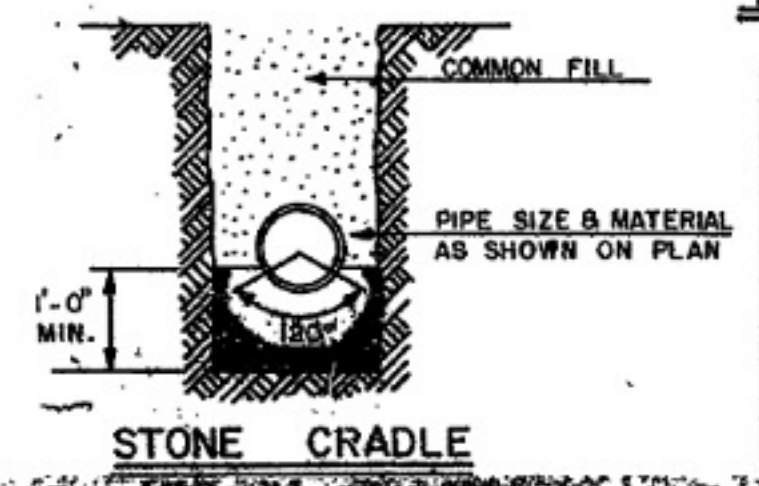
SANITARY SEWER LATERAL

SCALE: 1" = 1'-0"



ANCHOR BLOCK

SCALE: 1" = 1'-0"



STONE CRADLE

- NOTES:**
1. IN TRAFFIC AREAS INSTALLATION OF A TRAFFIC BEARING BOX IS REQUIRED.
 2. ALL PIPE & FITTINGS SHALL BE OF SIMILAR MATERIAL.
 3. 4-INCH CLEAN-OUT STACKS MAY BE USED ON 8-INCH LATERALS. CHANGE OF SIZE TO BE MADE BY USE OF 90° WYE.
 4. NO BENDS ARE ALLOWED IN THE LATERAL FROM THE MAIN TO THE CLEAN-OUT STACK WYE.
 5. ALL MAIN LINE TAPS WILL BE PERFORMED BY ROANOKE COUNTY PERSONNEL.
 6. ROAD CONNECTIONS NOT ALLOWED ON CLEAN-OUT STACK.
 7. TEE, WYE, OR TEE/WYE FITTING SHALL BE SIZED AS PIPES REQUIRE.

ROANOKE COUNTY
 DEPARTMENT OF
 PUBLIC FACILITIES
 ENGINEERING DIVISION
SANITARY SEWER DETAILS