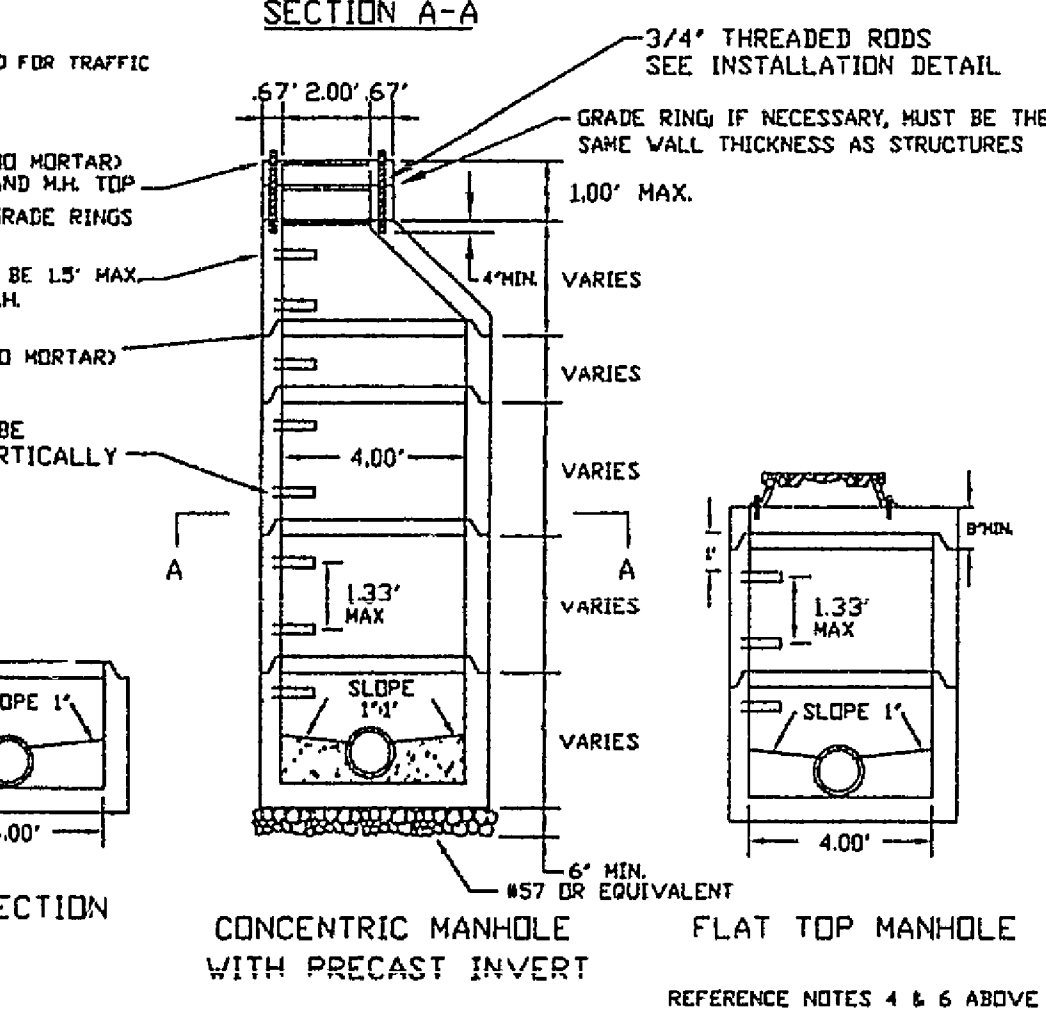
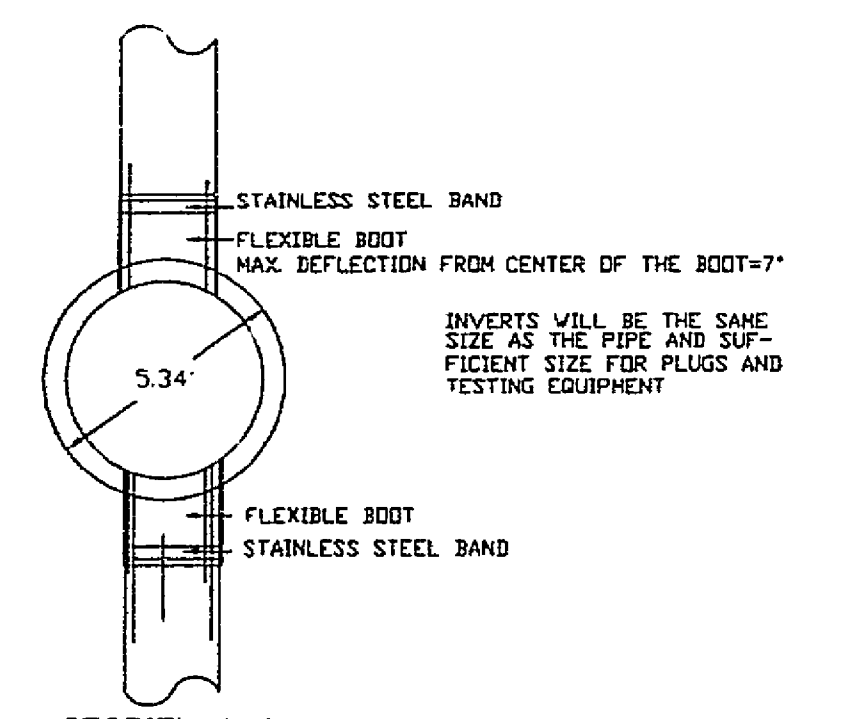


NOTES

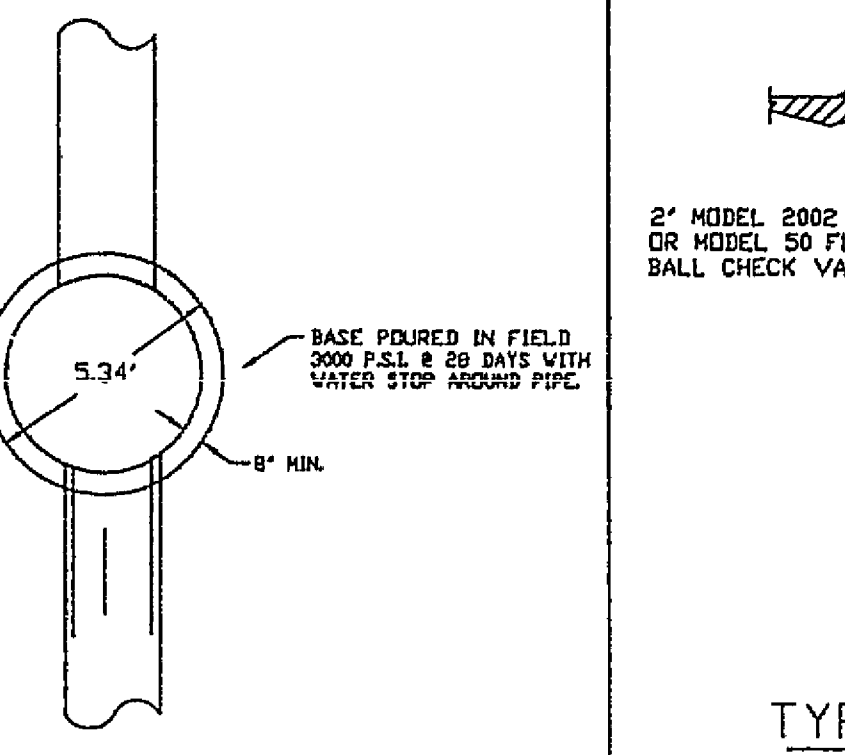
1. ALL MANHOLE FRAMES AND COVERS SHALL BE SEVEY BROTHERS, INC. MH-RCR-3000V IN NON-PAVED AREAS, MH-RCR-3000CV IN PAVED AREAS, MH-RCR-3000 IN AREAS NOT SUBJECT TO FLOODING OR APPROVED EQUAL.
2. THE FIRST STEP IN THE ECCENTRIC MANHOLE SHALL BE 1 FOOT FROM THE TOP OF THE CONE SECTION AND A MAXIMUM OF 4.5 INCHES VIDE FROM THE INSIDE FACE OF THE CONE SECTION.
3. THE FRAME AND COVER SHALL BE PROPERLY ALIGNED WITH THE 2 FOOT GRADING OF THE MANHOLE STRUCTURE AND BOLTED IN PLACE.
4. ALL SAMPLING MANHOLES SHALL BE CONSTRUCTED AS PER MANHOLE DETAILS. WHEN NECESSARY, THE FLAT TOP MANHOLE MAY BE SUBSTITUTED WITH ECCENTRIC OPENING AT STEPS.
5. AN ASPHALT COATING SHALL BE REQUIRED ON THE OUTSIDE OF ALL MANHOLES.
6. THE FRAME MUST BE IN PLACE PRIOR TO VACUUM TESTING.
7. FLAT TOP SHALL BE VDOT APPROVED FOR TRAFFIC BEARING.



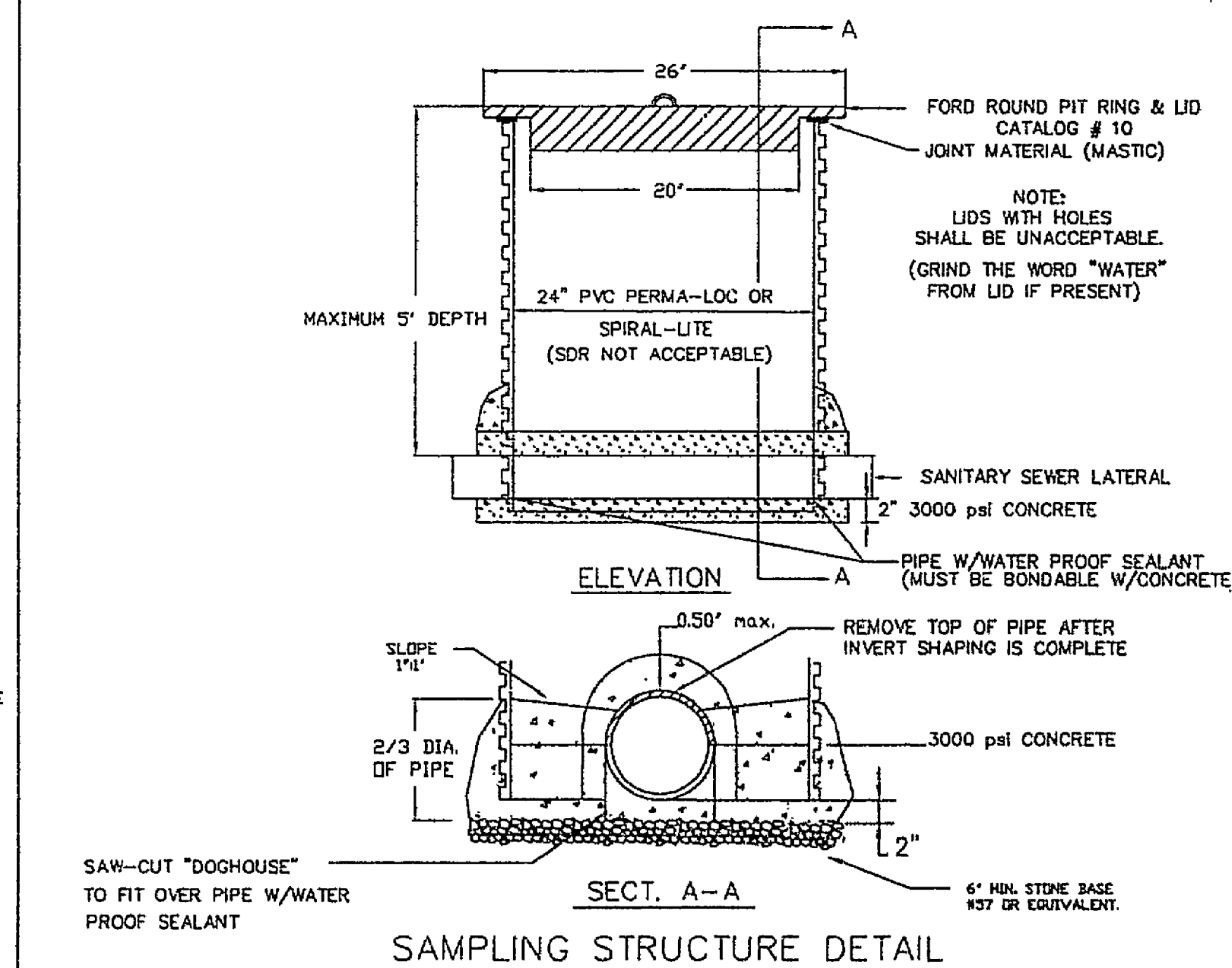
4' STANDARD MANHOLE
FOR PIPE 15" OR SMALLER

NOTES

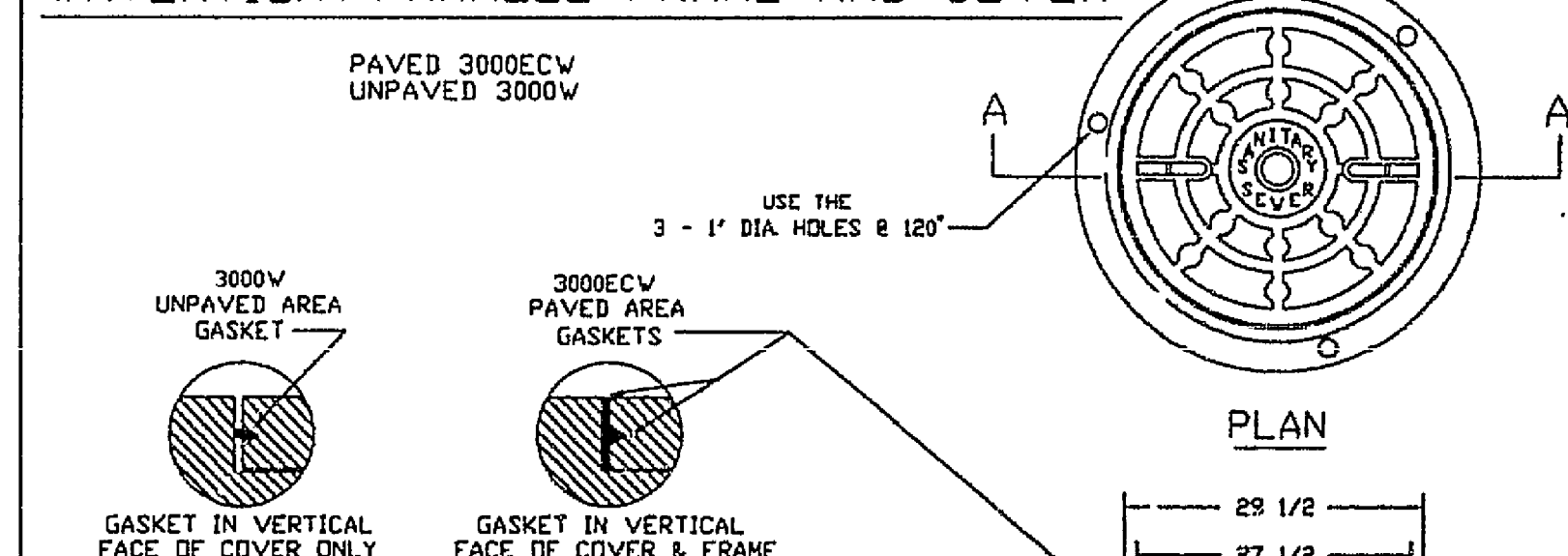
1. ALL MANHOLE FRAMES AND COVERS SHALL BE SEVEY BROTHERS, INC. MH-RCR-3000V IN NON-PAVED AREAS, MH-RCR-3000CV IN PAVED AREAS, MH-RCR-3000 IN AREAS NOT SUBJECT TO FLOODING OR APPROVED EQUAL.
2. THE FIRST STEP IN THE ECCENTRIC MANHOLE SHALL BE 1 FOOT FROM THE TOP OF THE CONE SECTION AND A MAXIMUM OF 4.5 INCHES VIDE FROM THE INSIDE FACE OF THE CONE SECTION.
3. THE ENTIRE MANHOLE STRUCTURE INCLUDING FRAME AND COVER SHALL BE INSTALLED BEFORE CUTTING THE TOP OF THE SEWER PIPE IN THE MANHOLE. ROANOKE COUNTY PERSONNEL TO CUT EXISTING PIPE.
4. THE FRAME AND COVER SHALL BE PROPERLY ALIGNED WITH THE 2 FOOT GRADING OF THE MANHOLE STRUCTURE AND BOLTED IN PLACE.
5. FLAT TOP TO BE VDOT APPROVED FOR TRAFFIC BEARING.
6. ASPHALT COATING SHALL BE REQUIRED ON OUTSIDE OF ALL MANHOLES.



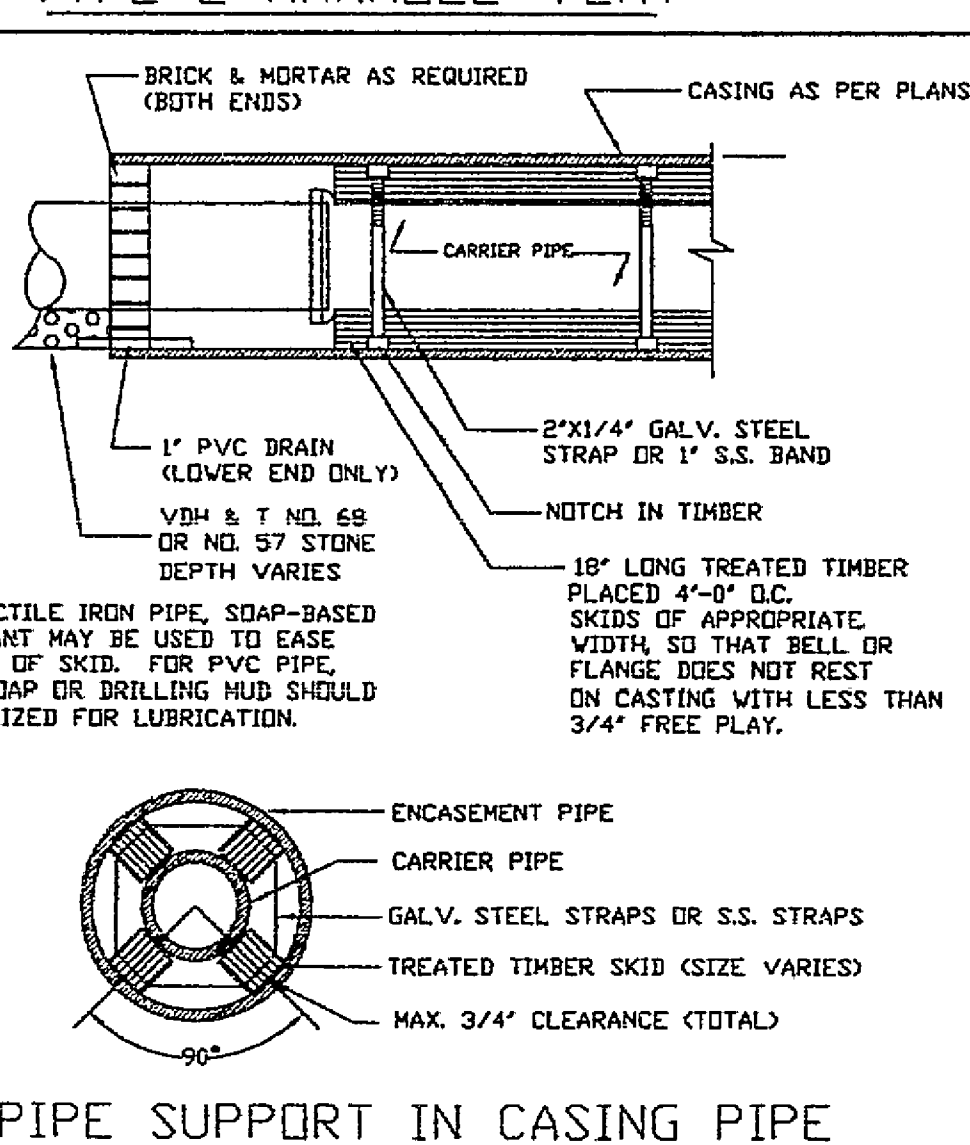
STRADDLE MANHOLE
FOR PIPE 15" OR SMALLER



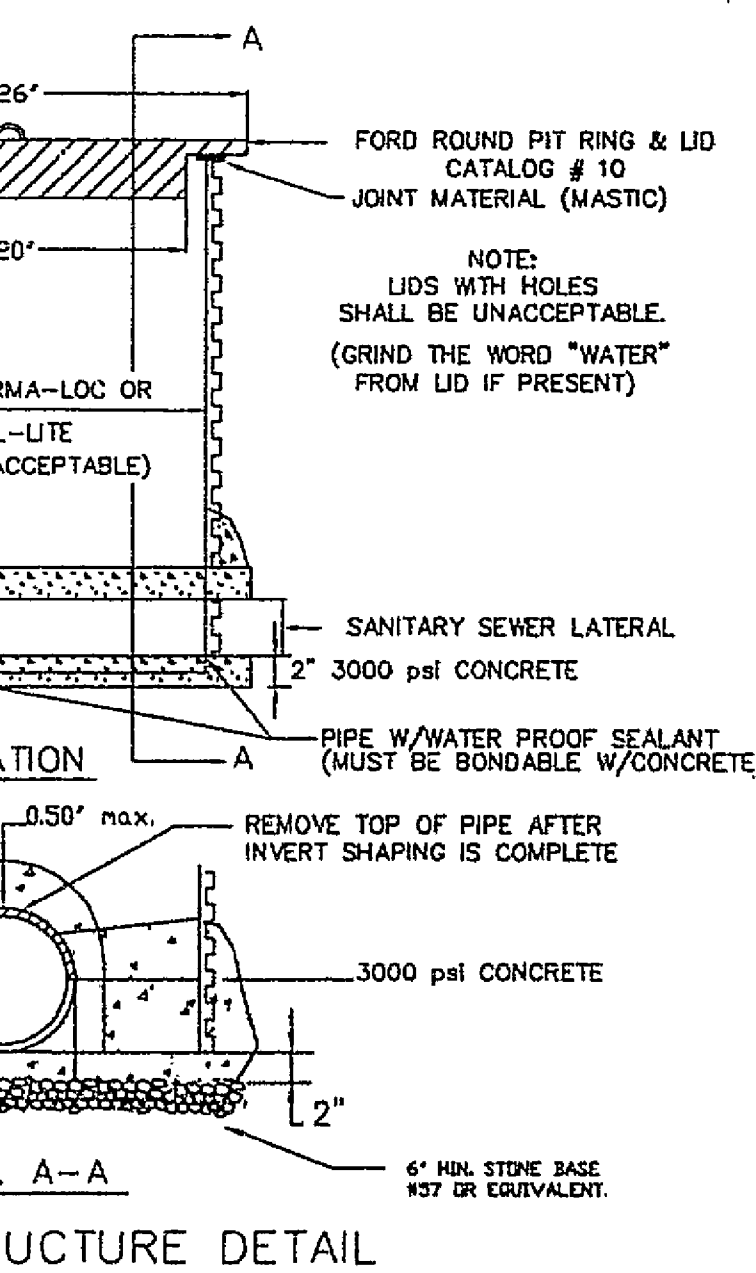
WATERTIGHT MANHOLE FRAME AND COVER



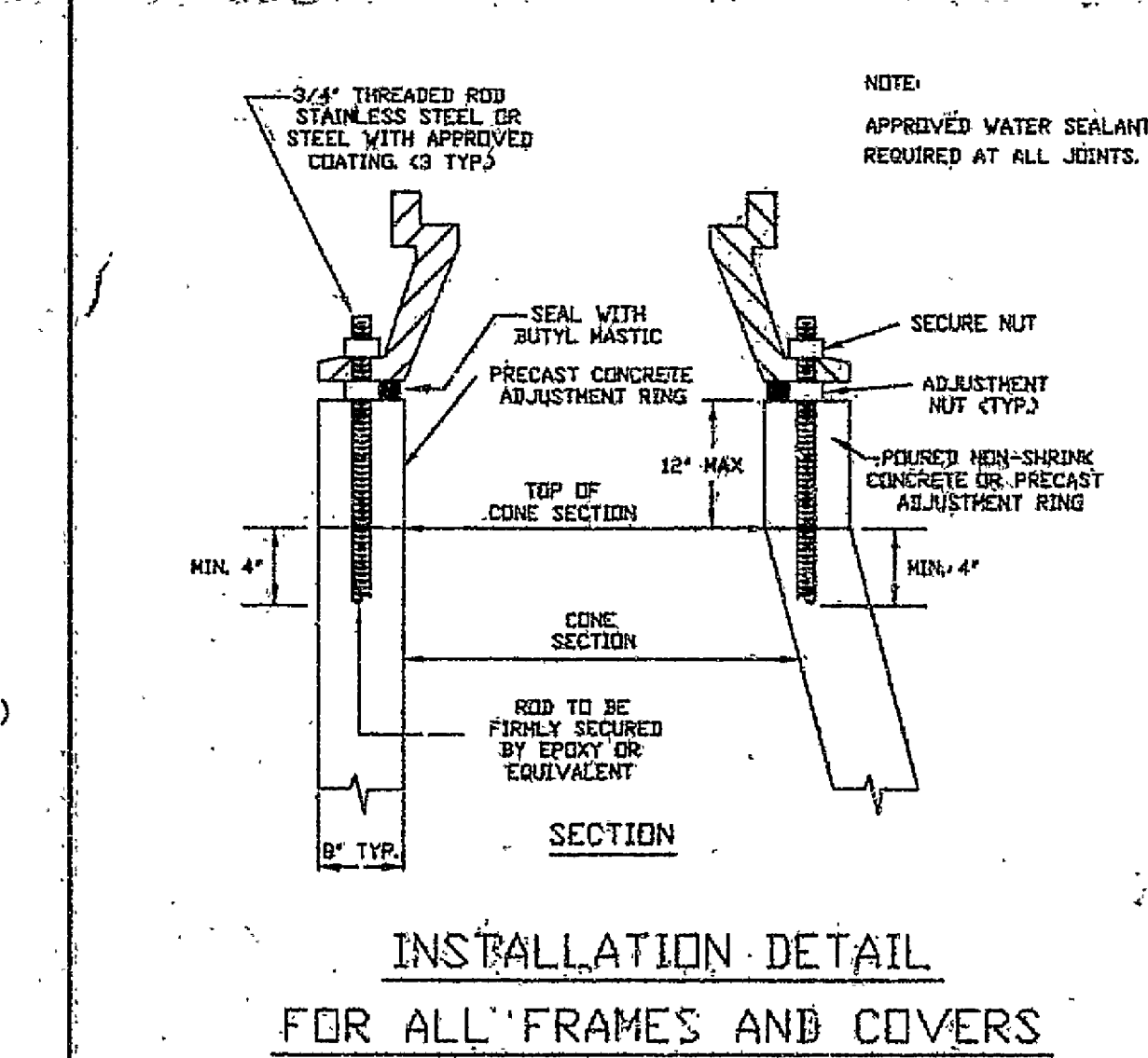
TYPE 2 MANHOLE VENT



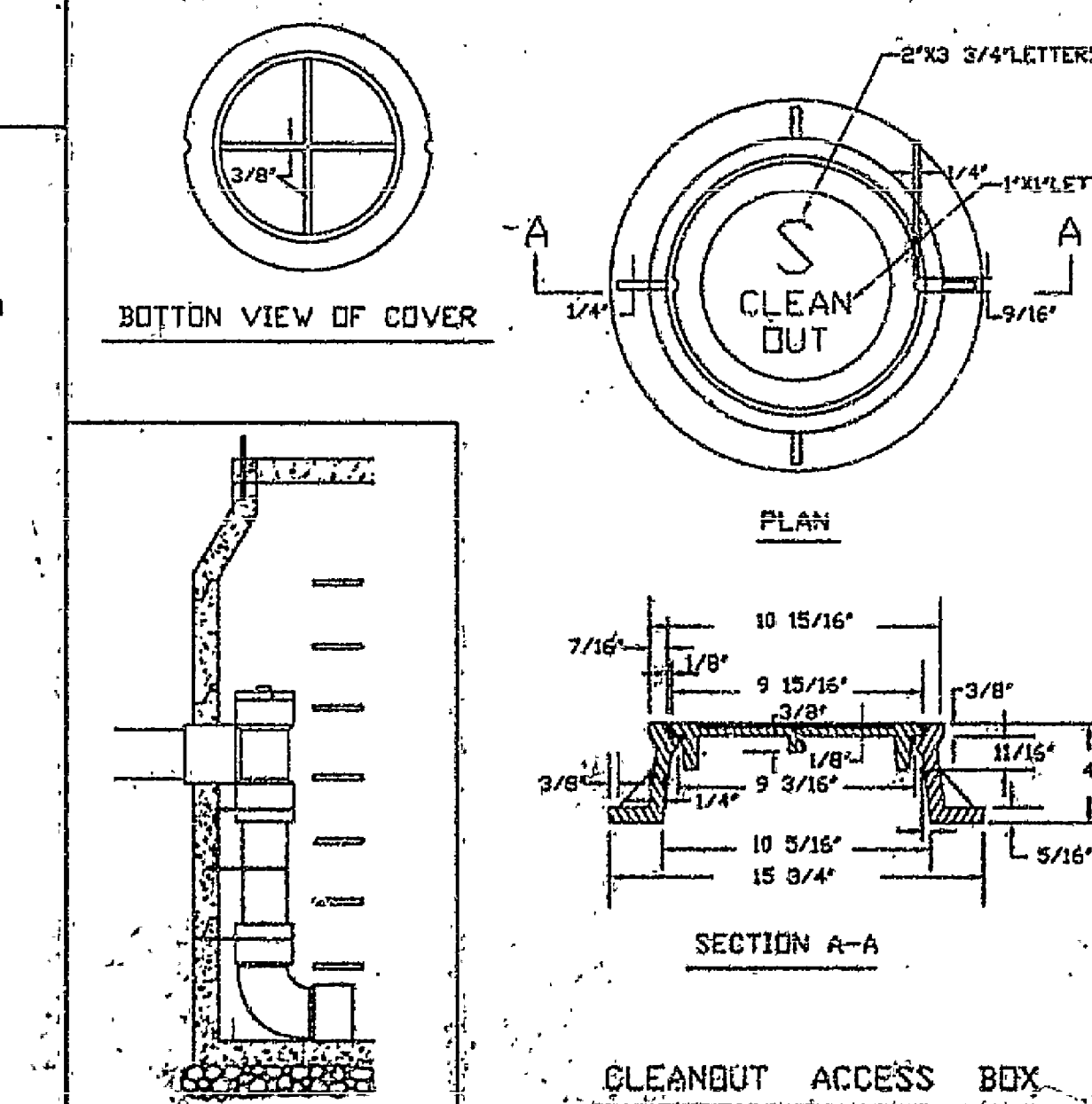
PIPE SUPPORT IN CASING PIPE



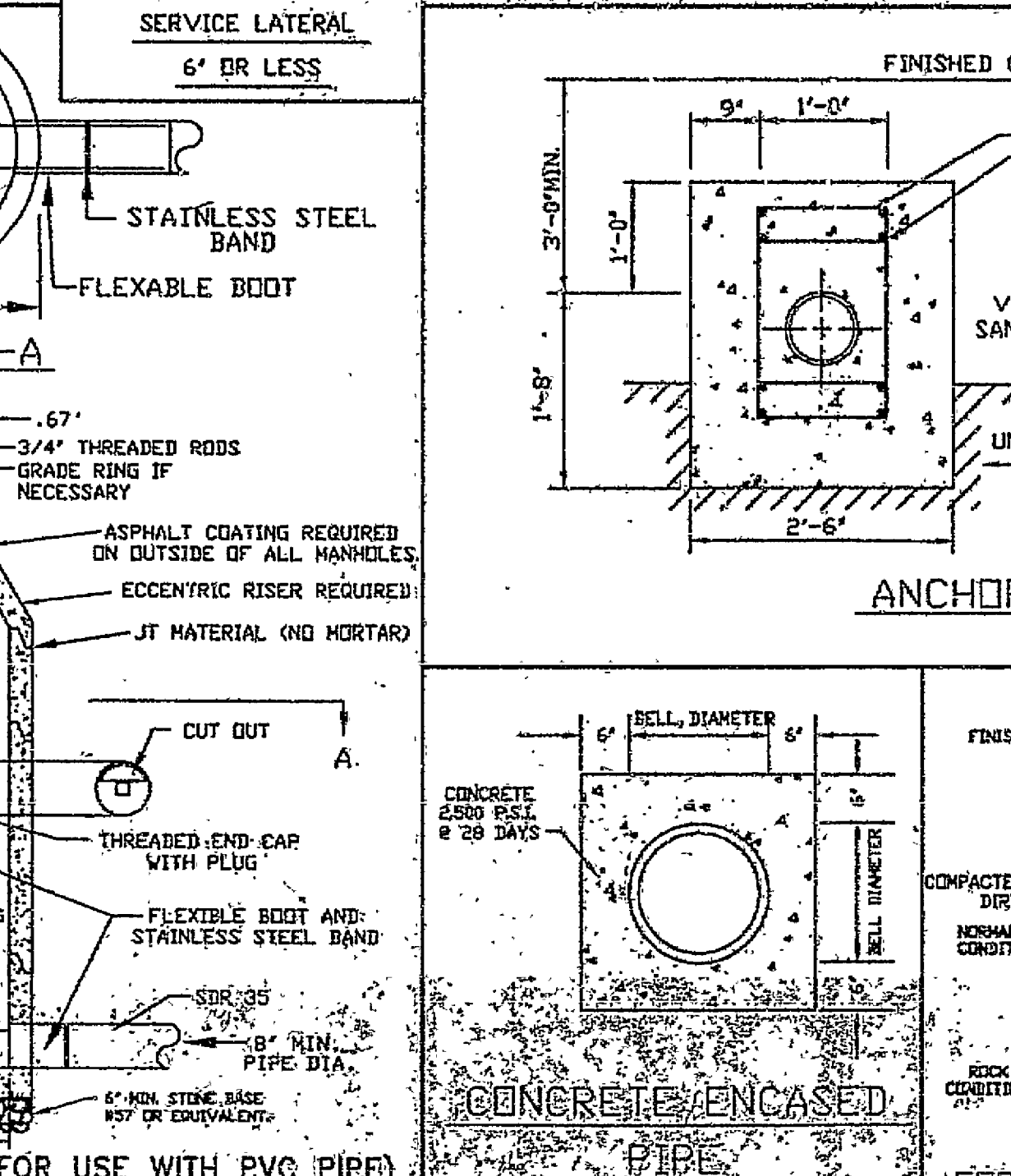
MAINLINE DROP MANHOLE (FOR USE WITH PVC PIPE)



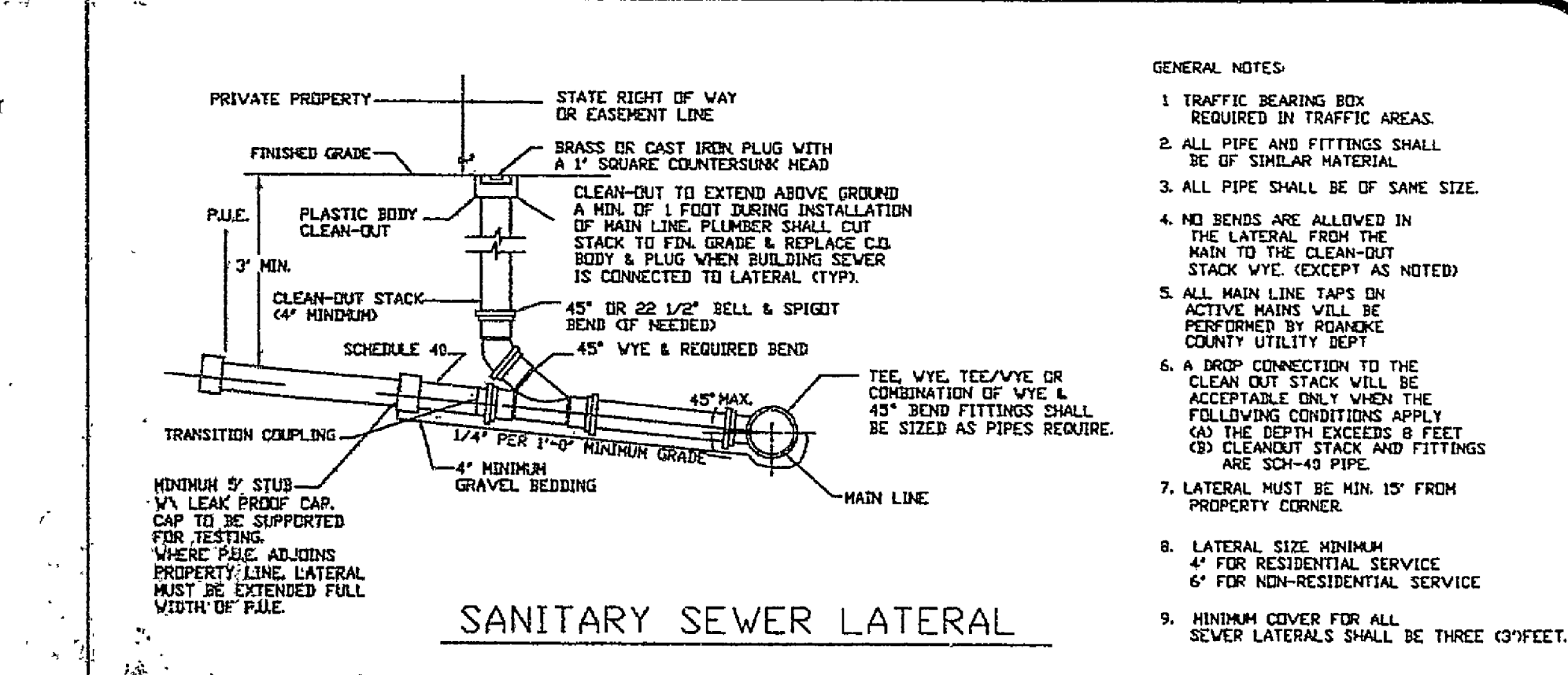
INSTALLATION DETAIL
FOR ALL FRAMES AND COVERS



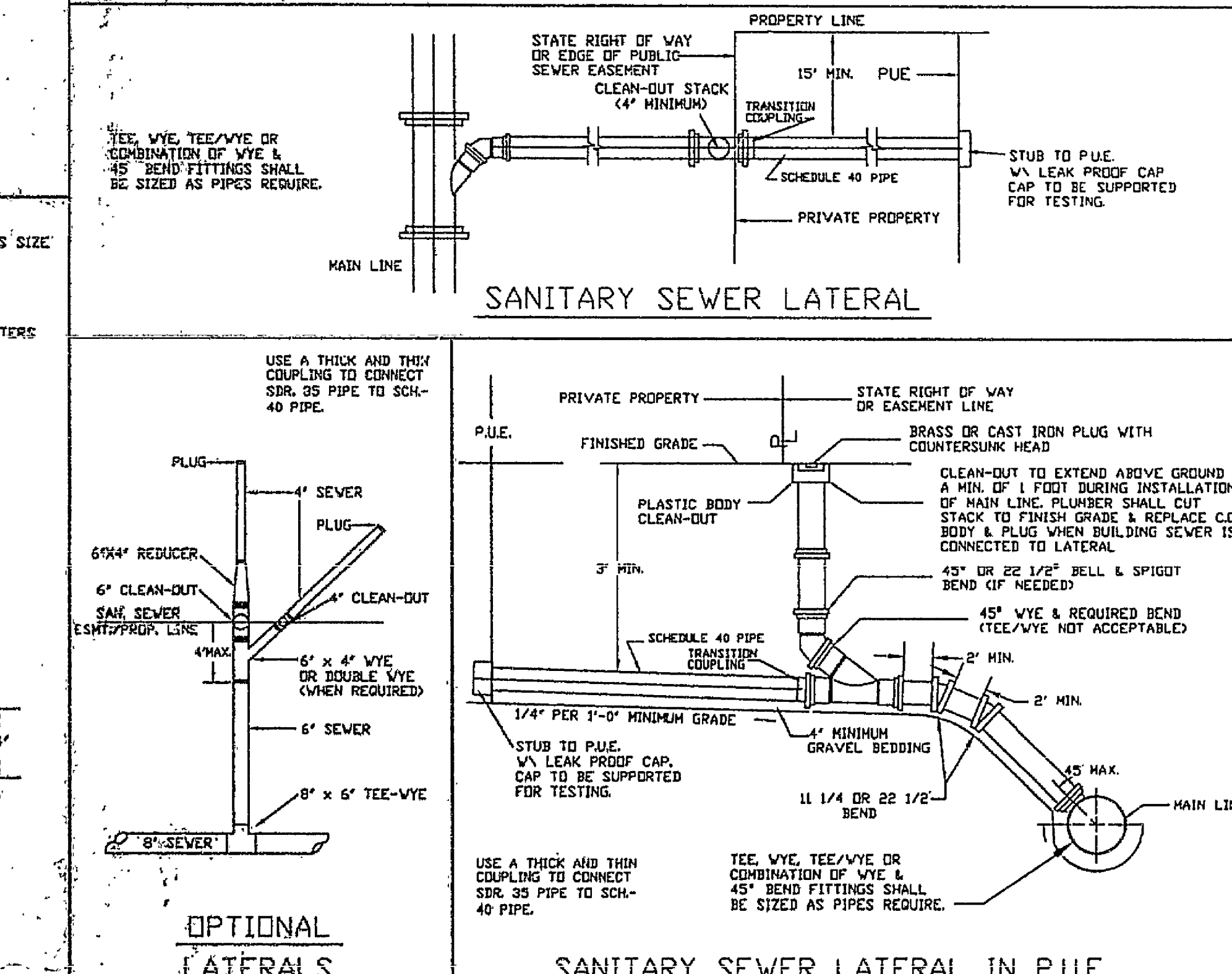
CLEANOUT ACCESS BOX



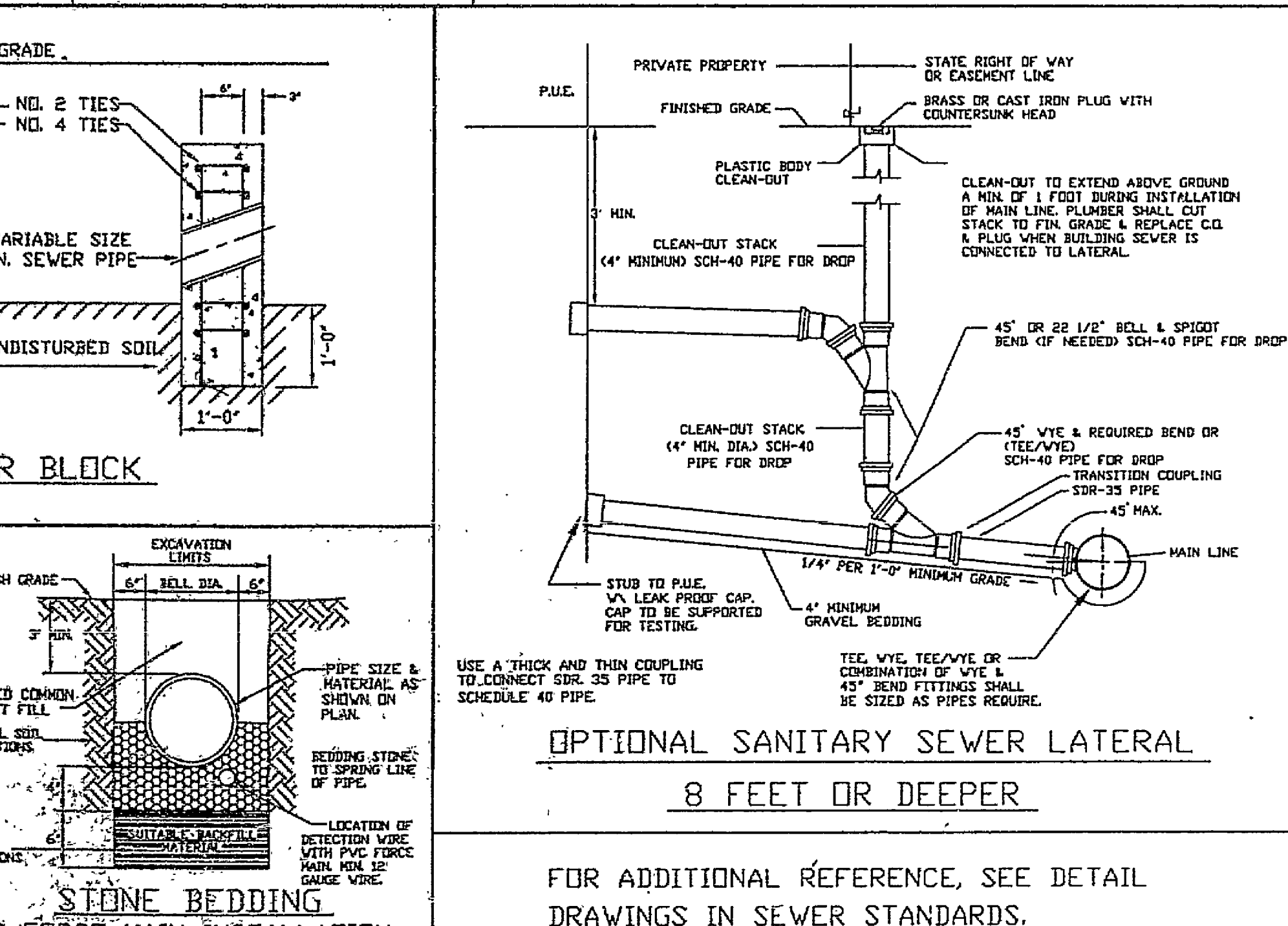
ANCHOR BLOCK



SANITARY SEWER LATERAL



SANITARY SEWER LATERAL IN P.U.E.



OPTIONAL SANITARY SEWER LATERAL
8 FEET OR DEEPER

FOR ADDITIONAL REFERENCE, SEE DETAIL
DRAWINGS IN SEWER STANDARDS.

DEPARTMENT
OF
ENGINEERING AND INSPECTIONS

1	
2	
3	
4	
5	
6	
NO.	REVISIONS
	DATE

COUNTY OF ROANOKE

DATE: 10/19/93
SCALE: NO. SCALE
DRAWING BY: C.N.T.B./AF (CNCAD/DETAILS/SEWER/SEWER)
DESIGNED BY: ROANOKE COUNTY ENGINEERING DEPT.
APPROVED BY:

SEWER DETAILS

SHEET
C2
OF
C9

RC-6171