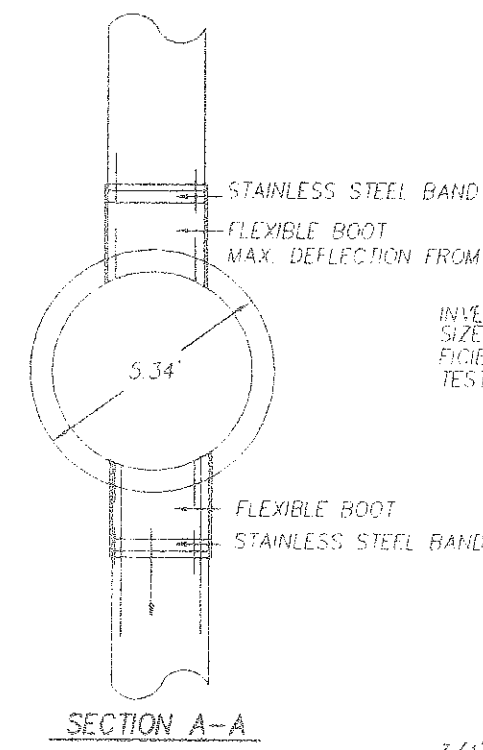
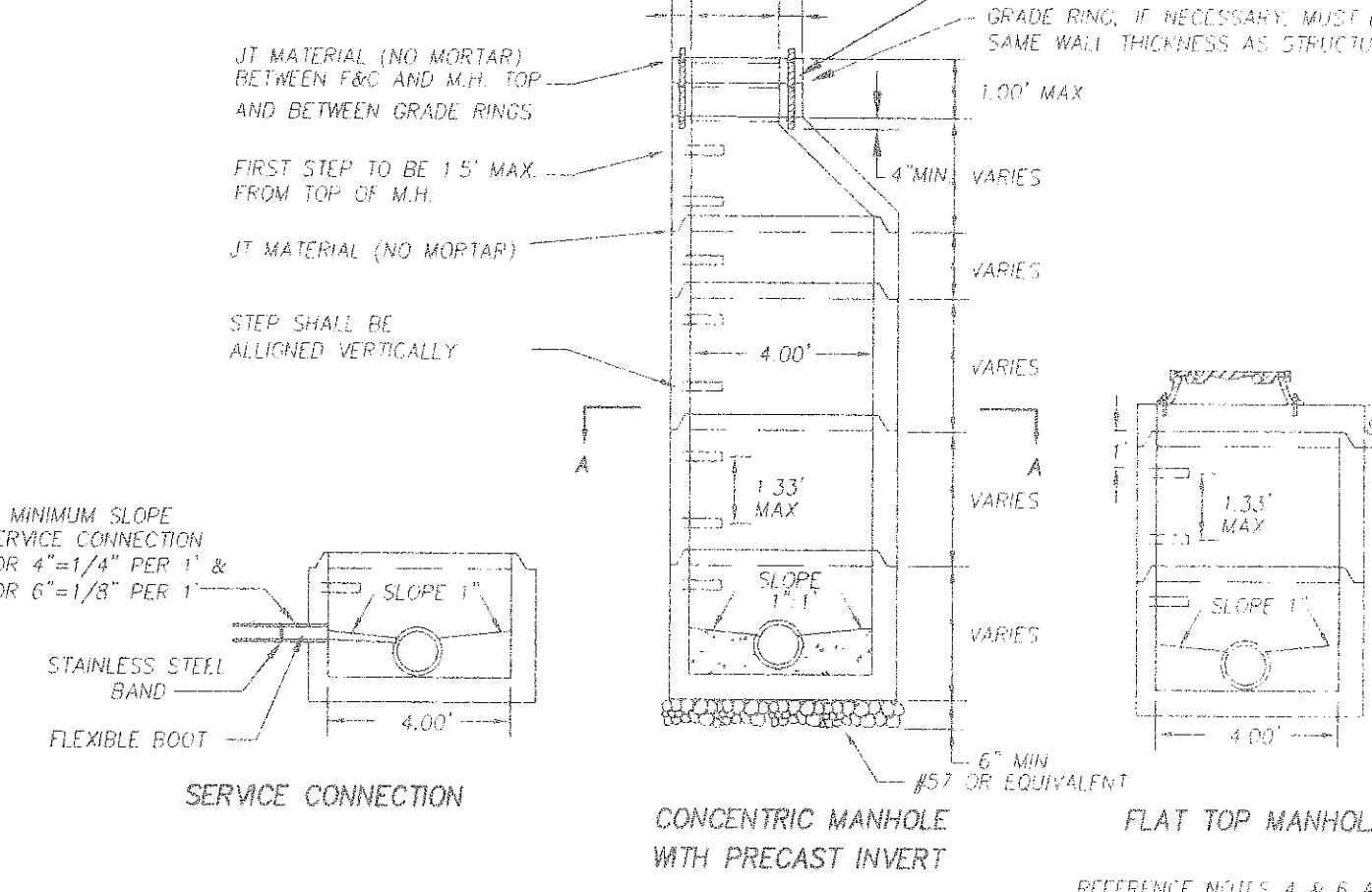


NOTES:

1. ALL MANHOLE FRAMES AND COVERS SHALL BE DEWEY BROTHERS, INC. MH-ROR-3000W IN NON-PAVED AREAS, MH-ROR-3000CW IN PAVED AREAS, MH-ROR-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 WIDE FROM THE INSIDE FACE OF THE CONE SECTION.
3. THE FRAME AND COVER SHALL BE PROPERLY ALIGNED WITH THE 2 FOOT OPENING 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 VOID APPROVED FOR TRAFFIC BEARING.



SECTION A-A

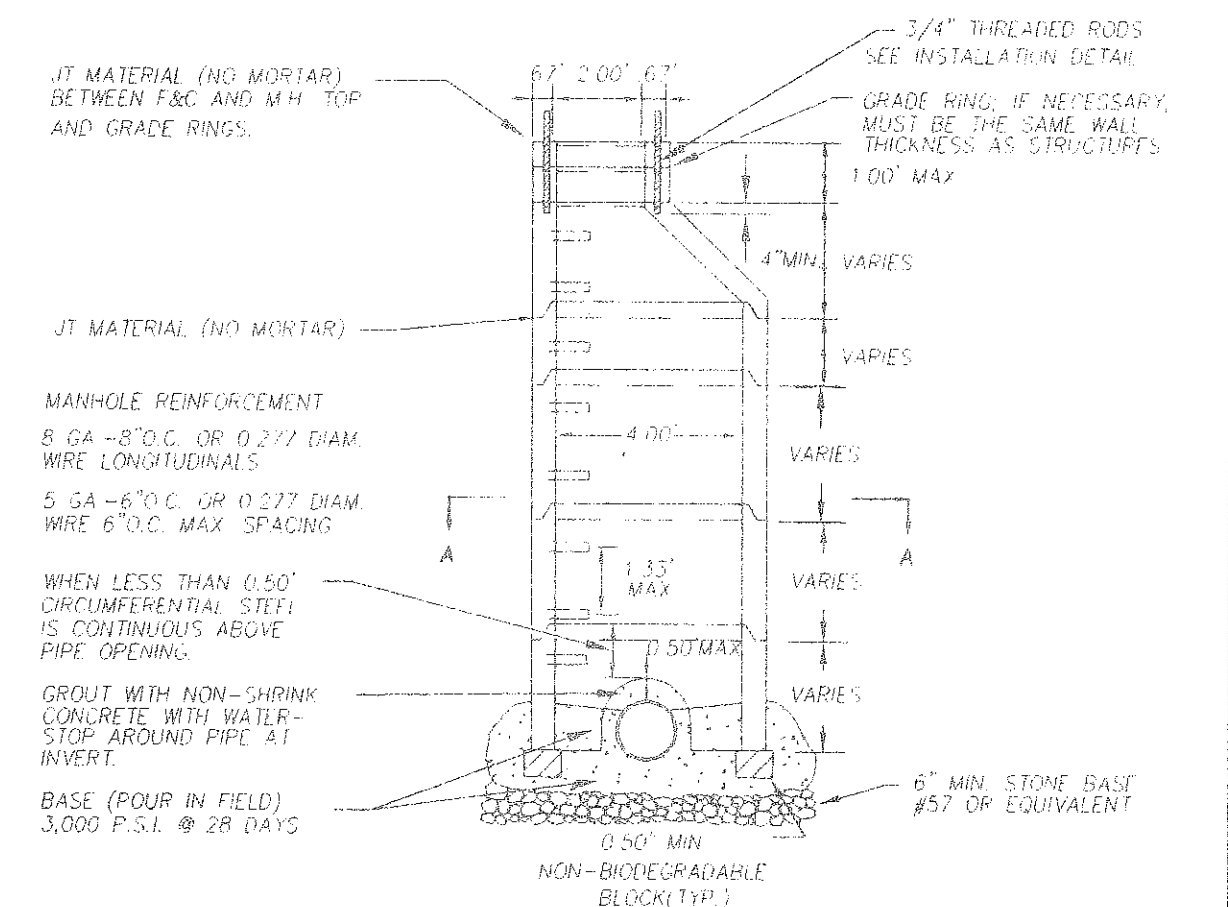


4' STANDARD MANHOLE
FOR PIPE 15" OR SMALLER

NOTES:

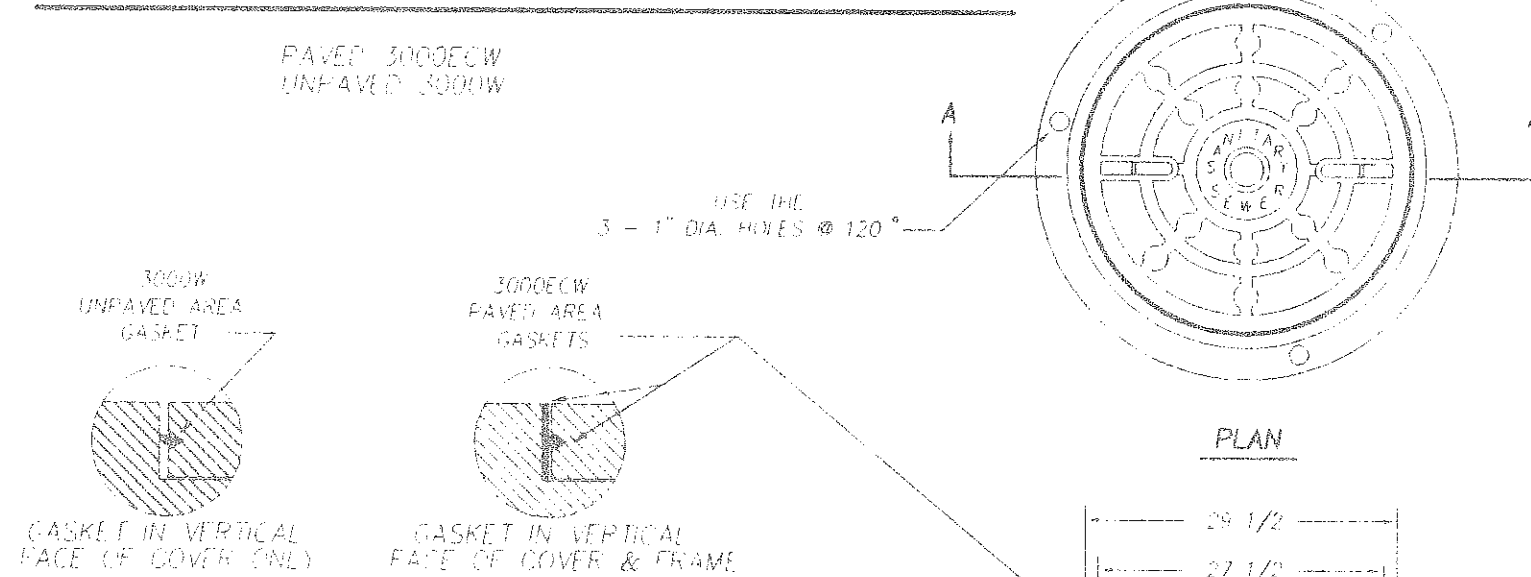
1. ALL MANHOLE FRAMES AND COVERS SHALL BE DEWEY BROTHERS, INC. MH-ROR-3000W IN NON-PAVED AREAS, MH-ROR-3000CW IN PAVED AREAS, MH-ROR-3000 IN AREAS NOT SUBJECT TO FLOODING OR APPROVED EQUAL.
2. THE FIRST STEP IN THE ECCENTRIC MANHOLE SHALL BE 1 FOOT FROM THE TOP OF THE CONE SECTION AND A MAXIMUM OF 4.5 INCHES WIDE 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. HANCOCK COUNTY PERSONNEL TO CUT EXISTING PIPE.
4. THE FRAME AND COVER SHALL BE PROPERLY ALIGNED WITH THE 2 FOOT OPENING OF THE MANHOLE STRUCTURE AND BOLTED IN PLACE.
5. FLAT TOP TO BE VOID APPROVED FOR TRAFFIC BEARING.
6. ASPHALT COATING SHALL BE REQUIRED ON OUTSIDE OF ALL MANHOLES.

SECTION A-A

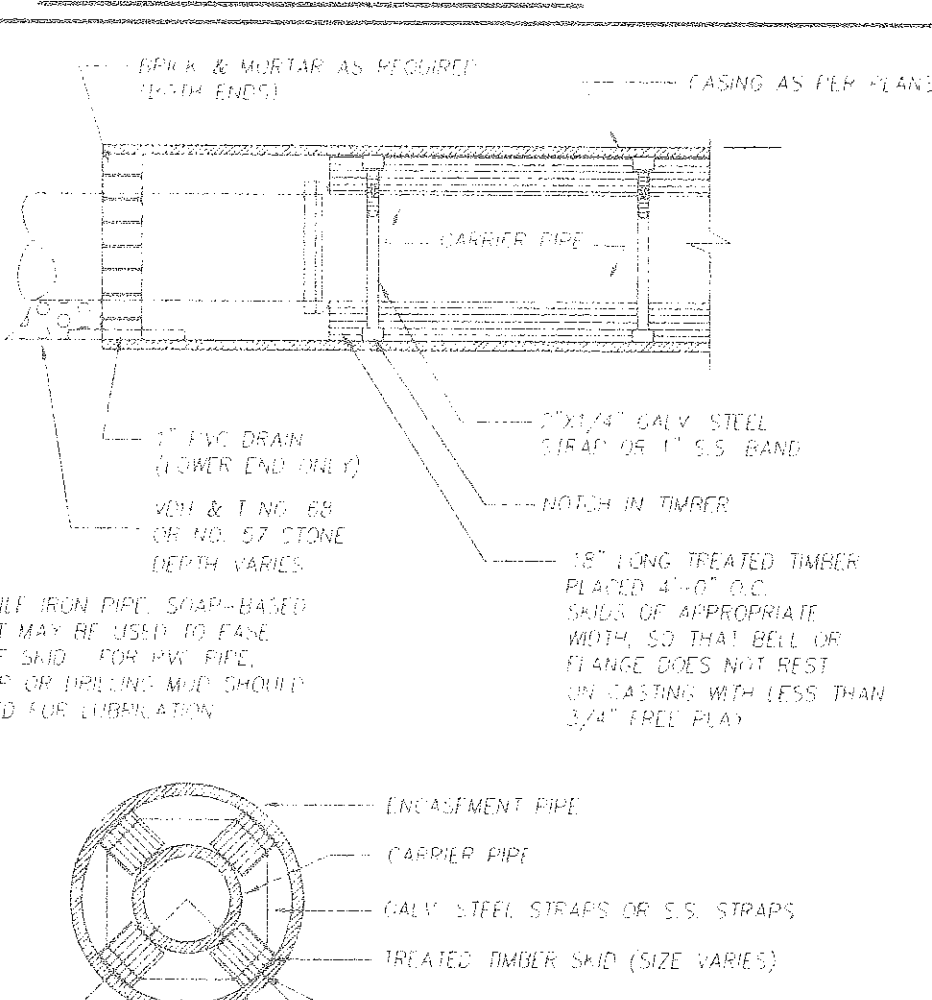


STRADDLE MANHOLE
FOR PIPE 15" OR SMALLER

WATERTIGHT MANHOLE FRAME AND COVER

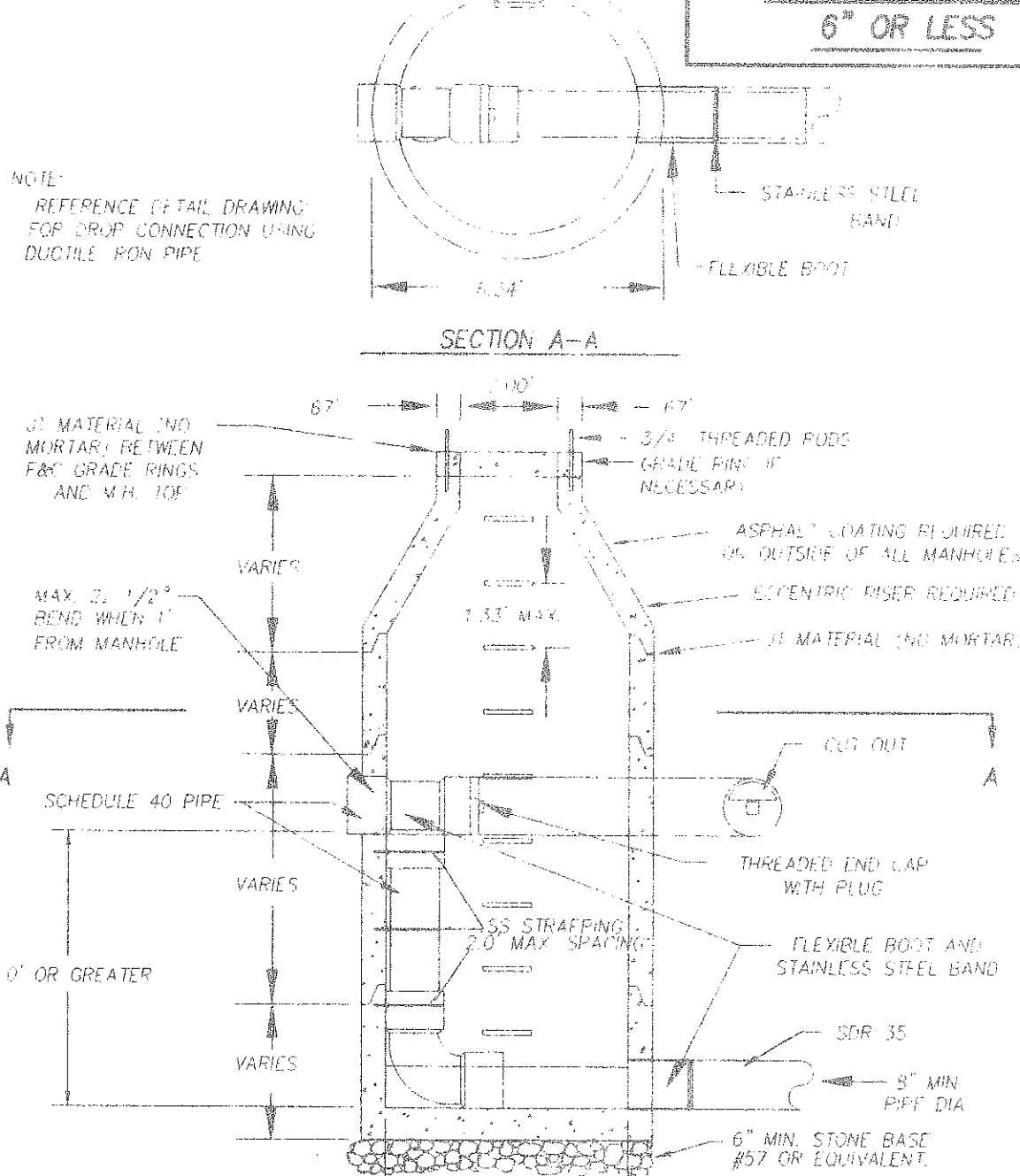


TYPE 2 MANHOLE VENT

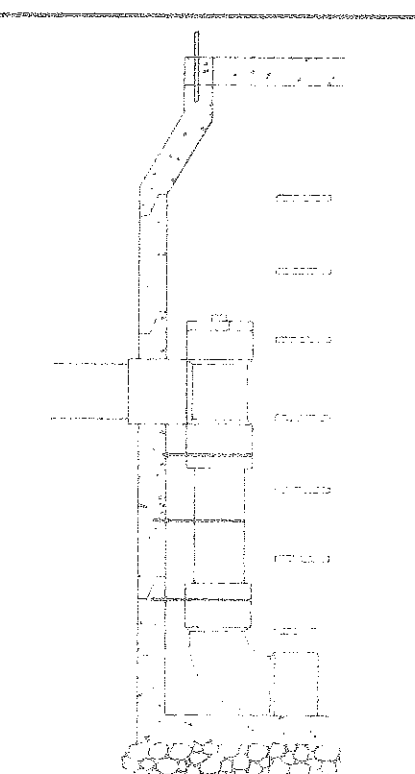


PIPE SUPPORT IN CASING PIPE

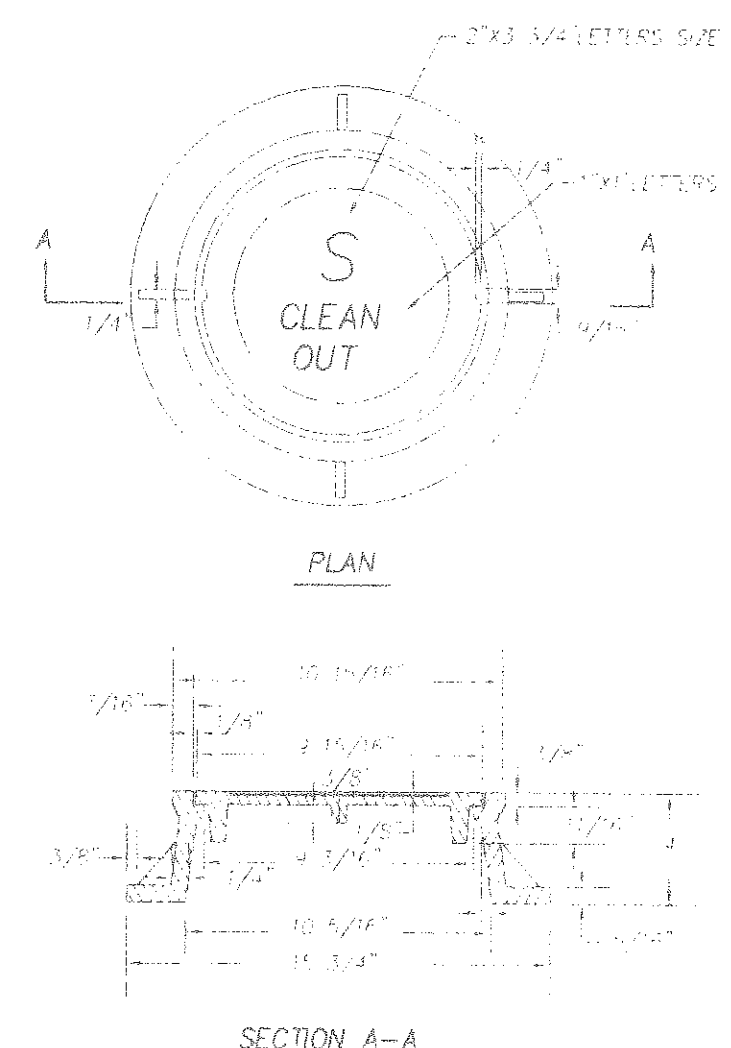
MAINLINE DROP MANHOLE (FOR USE WITH PVC PIPE)



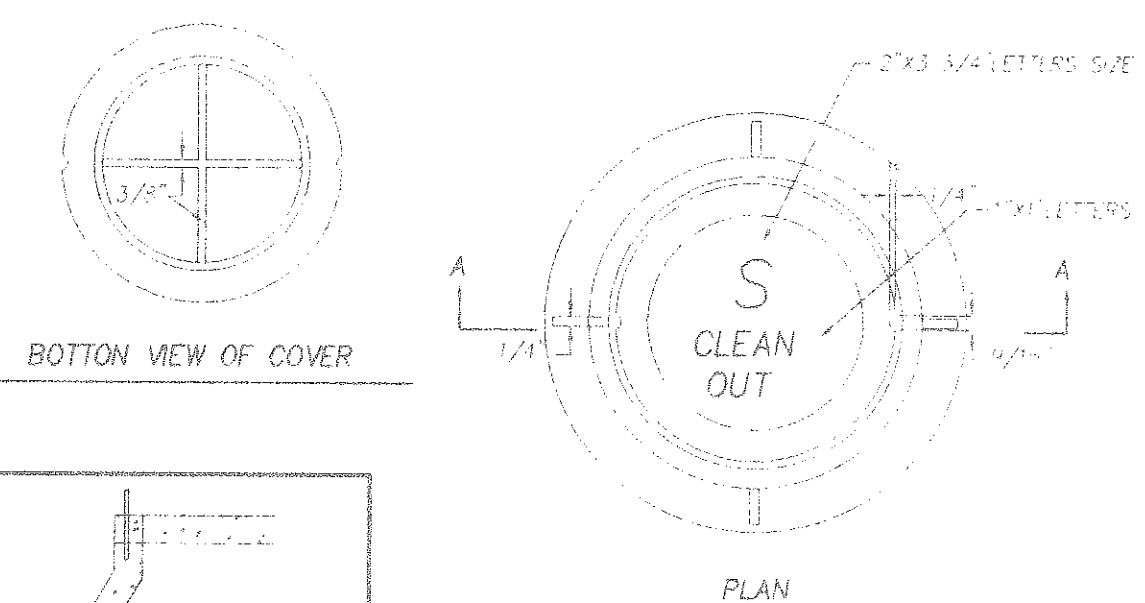
INSIDE DROP FOR
SERVICE LATERAL
6" OR LESS



CLEANOUT ACCESS BOX



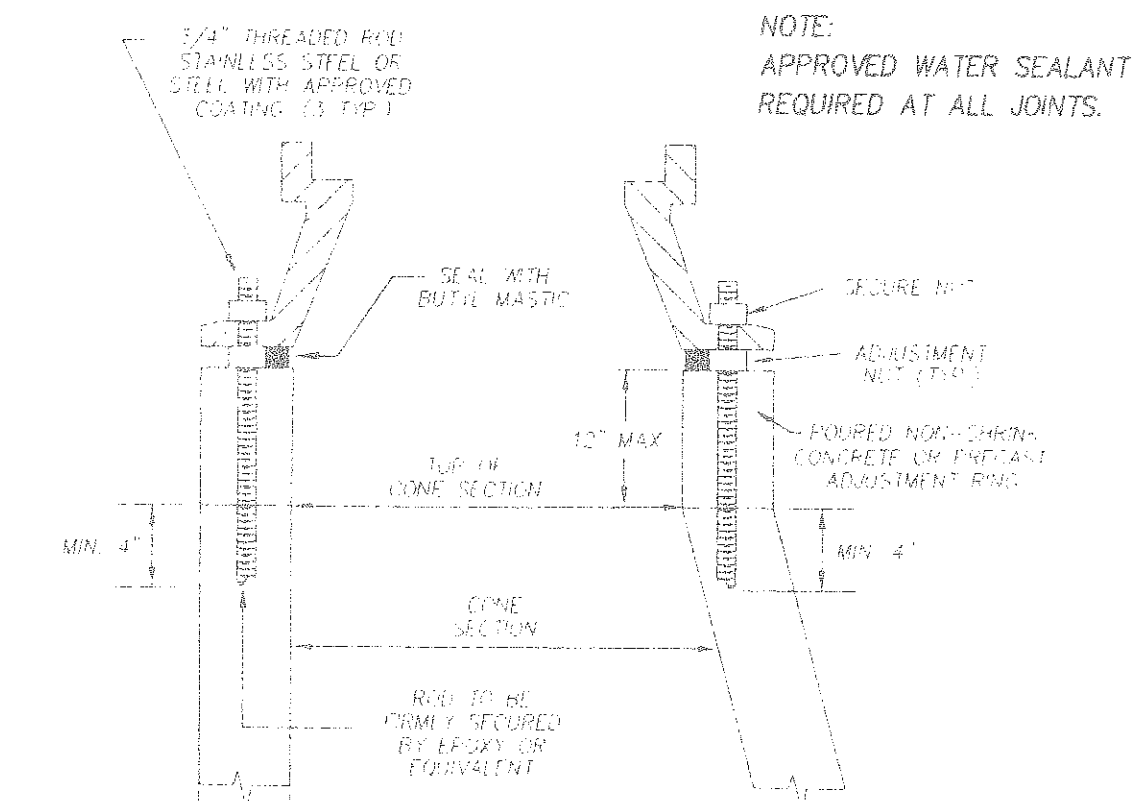
INSTALLATION DETAIL
FOR ALL FRAMES AND COVERS



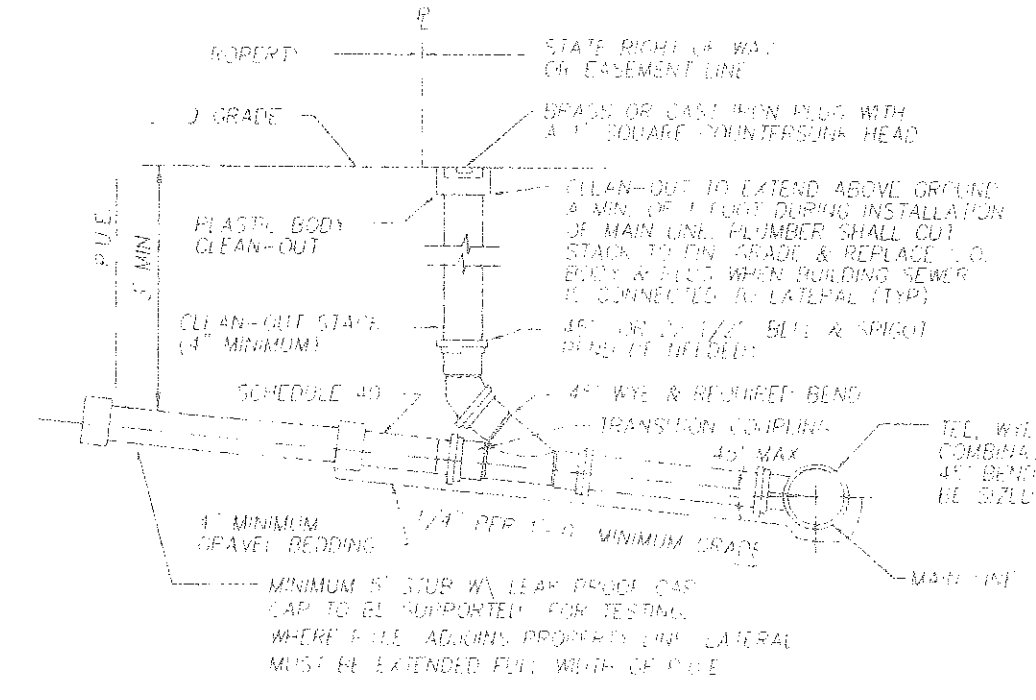
BOTTOM VIEW OF COVER

SECTION

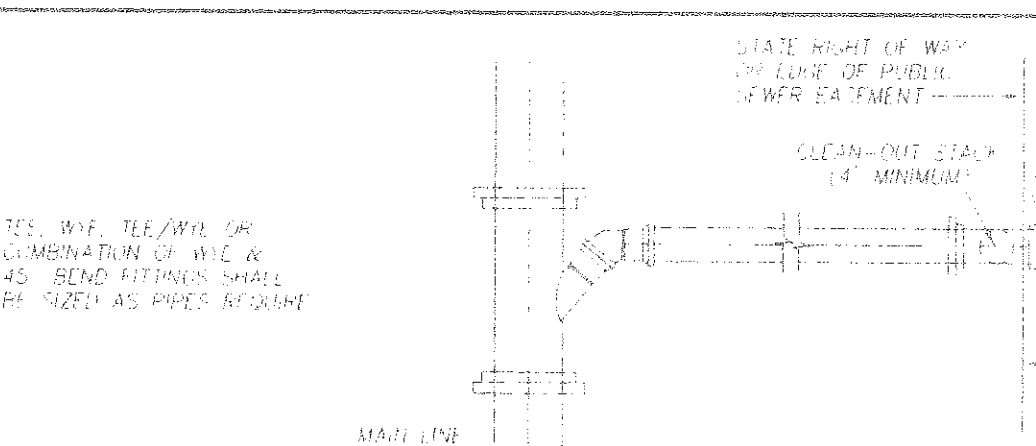
NOTE:
APPROVED WATER SEALANT
REQUIRED AT ALL JOINTS.



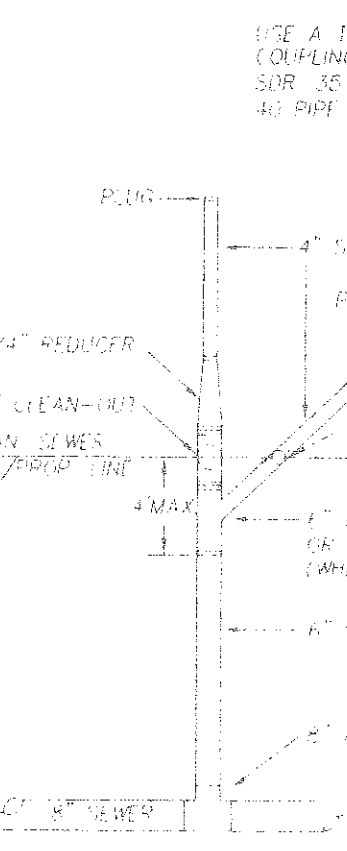
SANITARY SEWER LATERAL



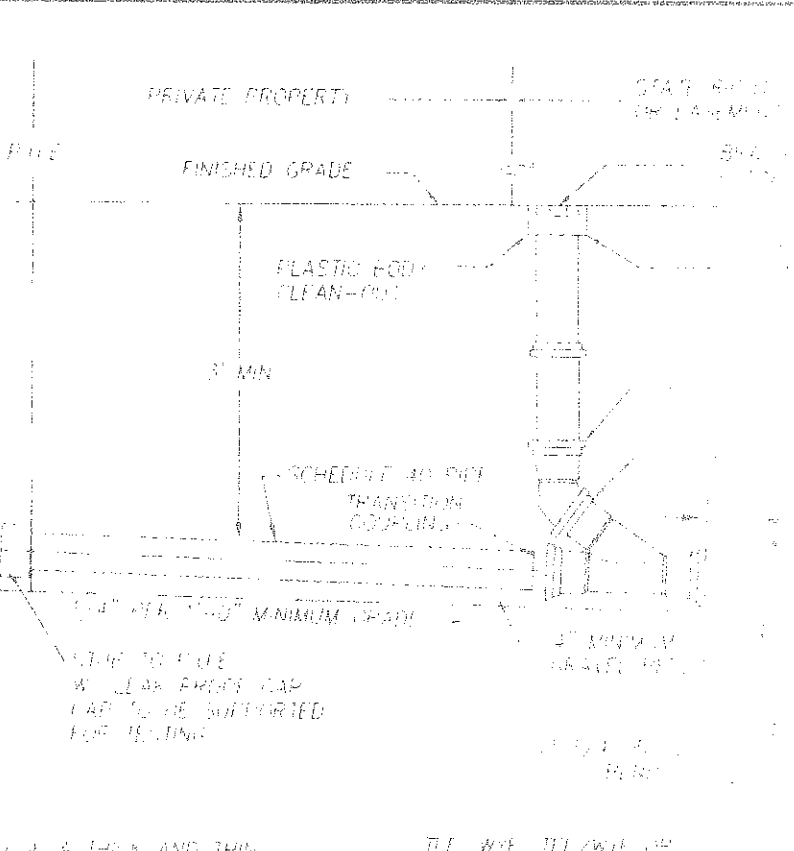
SANITARY SEWER LATERAL



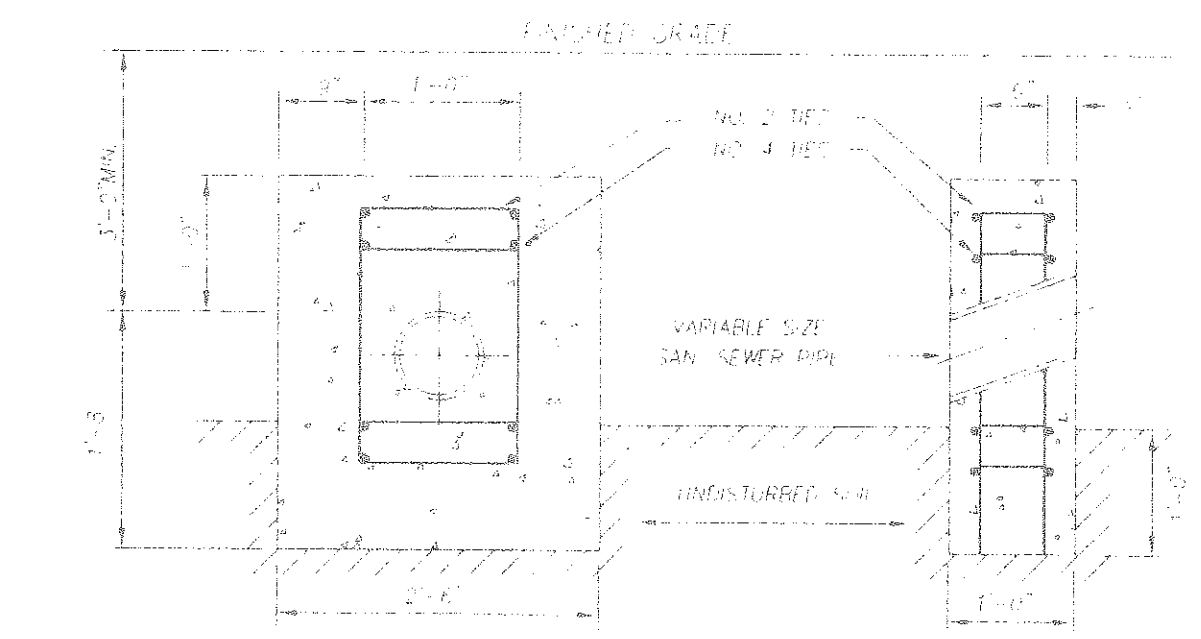
OPTIONAL
LATERALS



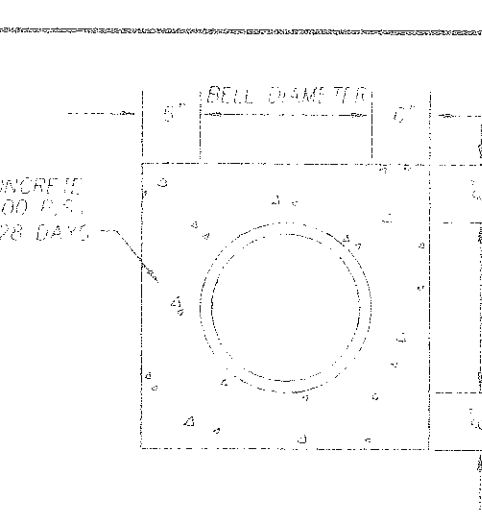
SANITARY SEWER LATERAL IN



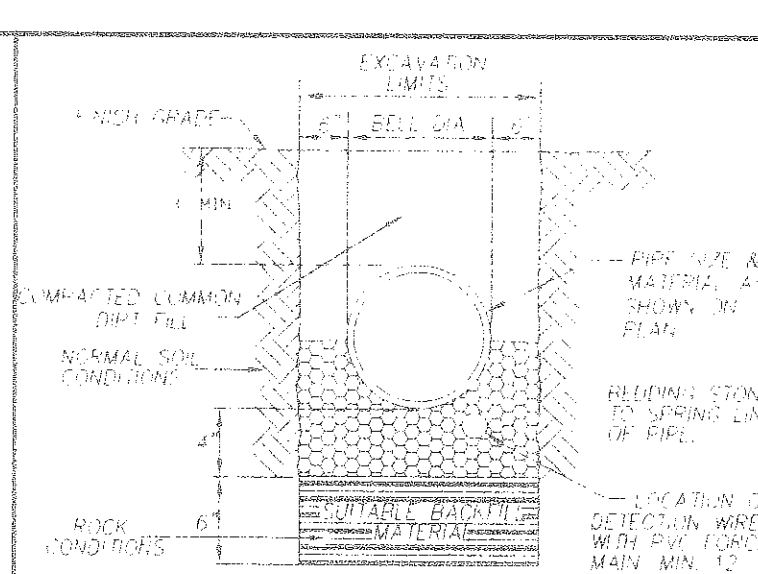
ANCHOR BLOCK



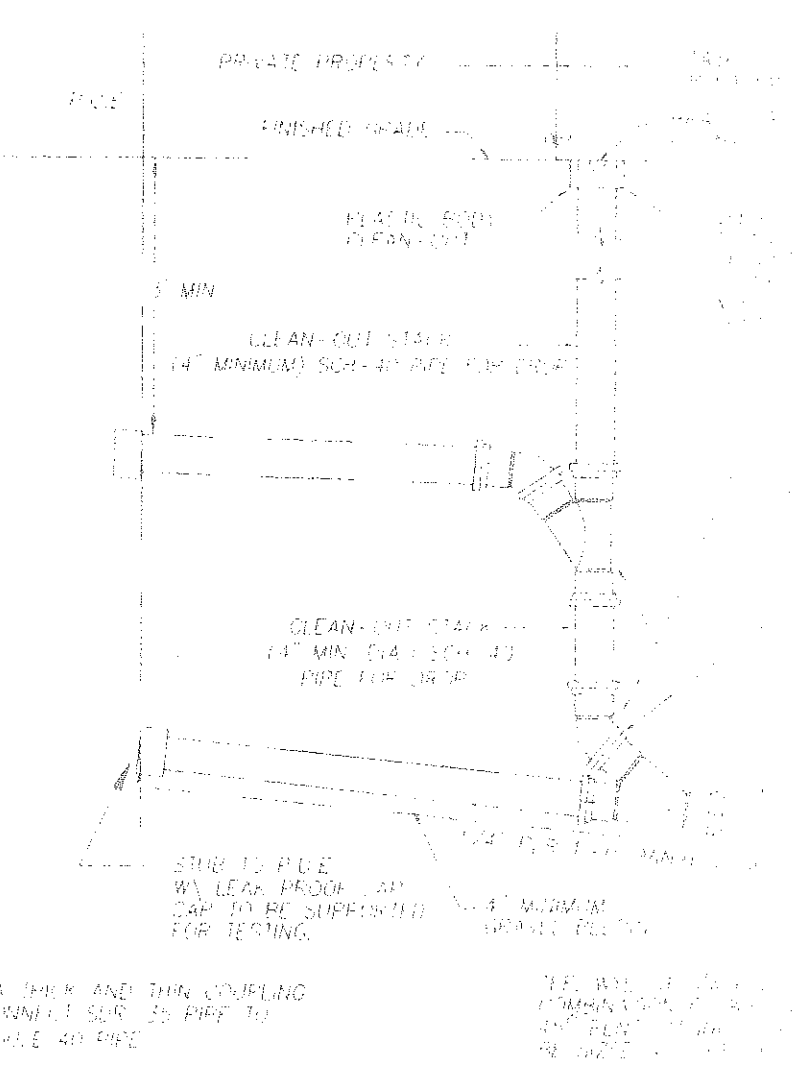
CONCRETE ENCASED
PIPE



STONE BEDDING
FOR FORCE MAIN INSTALLATION



OPTIONAL SANITARY SEWER LA
8 FEET OR DEEPER



FOR ADDITIONAL REFERENCE, SEE DETAIL
DRAWINGS IN SEWER STANDARDS.

DEPARTMENT
OF
ENGINEERING AND INSPECTIONS

1		
2		
3		
4		
5		
6		
REVISIONS		DATE

" DIXIE CAVERNS SANITARY
SEWER PROJECT"

DATE: 10/19/93
SCALE: NO SCALE
DRAWING BY: CN, TB, AF (G:\CAD\DETAILS\SEWER\SEWER)
DESIGNED BY: ROANOKE COUNTY ENGINEERING DEPT.
APPROVED BY:

SANITARY SEWER
CONSTRUCTION
DETAILS