



PLAN

5'-0" FOR PIPES  
OVER 18", 4'-0" FOR  
18" & SMALLER PIPES

MANHOLE FRAME TO BE  
BOLTED DOWN WITH  
WITH FOUR STAINLESS  
STEEL BOLTS

STANDARD FRAME  
& COVER

BUTYL MASTIC  
BETWEEN  
MANHOLE  
FRAME  
AND COVER

STRAIGHT WALL  
OF M.H. TO BE  
LOCATED  
OPPOSITE  
DROP PIPE.

6"  
2"  
PIPE  
DIA.  
8"  
MIN.

PRE-CAST RINGS  
MAXIMUM OF 11 1/2"  
INCLUDING BUTYL MASTIC.

CONE

DIP WYE

RISER

D.I.P.

D.I.P.

D.I.P.

D.I.P.

No. 67 STONE  
UNDER PIPE

SECTION A-A

4' INSIDE DIAMETER MANHOLES  
SHALL HAVE 5" THICK WALLS  
5' INSIDE DIAMETER MANHOLES  
SHALL HAVE 6" THICK WALLS

NOTES:

1. MANHOLE BASE SHALL BE 4000 P.S.I. CONCRETE PLACED ON UNDISTURBED EARTH AND MAY BE PLACED AGAINST SHAPED BANKS IN LIEU OF FORMS.
2. ALL MASONRY MORTAR SHALL BE PORTLAND CEMENT 1:3 MIX.
3. CARE MUST BE TAKEN TO FORM A SMOOTH FINISH TROUGH FROM ENTRANCE PIPES TO EXIT PIPE, AND IN CURVED MANHOLES THE TROUGH MUST BE A SMOOTH CIRCULAR ARC TANGENT TO THE INSIDE WALLS OF THE PIPES AT THEIR ENDS.
4. PROTECTIVE WALL FOR OUTSIDE DROP SHALL BE A MINIMUM OF 8" MASONRY.
5. THE SLOPE OF THE OUTSIDE DROP TROUGH SHALL BE 1/4" PER FOOT.
6. MANHOLE TO CONFORM WITH ASTM C478 AND PRECAST MANHOLE STD.
7. RAMSET MASONRY TIES EVERY 12 INCHES ON OUTSIDE DROP.
8. MANHOLES WITH A DEPTH OF 10.0' OR GREATER SHALL BE 5' DIAMETER.
9. WRAP OUTSIDE MANHOLE SEAMS (JOINTS) WITH A WIDE BUTYL TAPE

CITY OF SALISBURY, N.C.	STANDARD DETAIL	DATE: OCTOBER 17, 2006
		AMENDED: MAY 19, 2009
SEWER SYSTEMS NEW CONSTRUCTION		NOT TO SCALE
PRECAST M.H. W/ OUTSIDE DROP		STANDARD SS-3