



WATERTIGHT, SEALED
 FRAME & COVER
 USE CITY PATTERN
 LOCKING BOLTS (McGARD INC.)
 BOLT PART# 117150
 PATTERN REFERENCE# 117183

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

BUTYL MASTIC BETWEEN
 MANHOLE AND FRAME & COVER

SEAL AROUND
 VENT PIPE
 THROUGH M.H.

BUTYL RUBBER
 SEALS

BENCH
 WALL

CONC.
 INVERT
 SEE NOTE #2

M.H. SECTION

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

NOTES:

1. 4'-0" I.D. FOR 18" & SMALLER PIPES,
 5'-0" I.D. FOR 21" & LARGER PIPES.
2. PRECAST CONCRETE INVERTS MAY BE
 USED IN LIEU OF POURED BASES.
3. MANHOLES MUST NOT HAVE ANY LARGE
 CHIPPED AREAS, BROKEN AREAS, CRACKS,
 OR EXPOSED REINFORCEMENT, OR OTHER
 DEFECTS. DEFECTIVE MANHOLES WILL NOT
 BE ACCEPTED.
4. STEEL PIPE TO HAVE AN INSIDE COAL-TAR LINING,
 3/32 INCH MINIMUM THICKNESS. THE OUTSIDE
 SHALL BE SAND OR GRIT BLASTED AND COATED
 WITH TWO COATS OF URETHANE PAINT SUCH AS
 TNEC 73-ENDURA SHIELD FOR A TOTAL DRY FILM
 THICKNESS OF 5 MILS. COLOR TO BE "OLIVE GREEN"
5. MANHOLES WITH A DEPTH OF 10.0' OR
 GREATER MUST BE 5' DIAMETER.
6. 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 MANHOLE VENT		NOT TO SCALE
		STANDARD SS-4