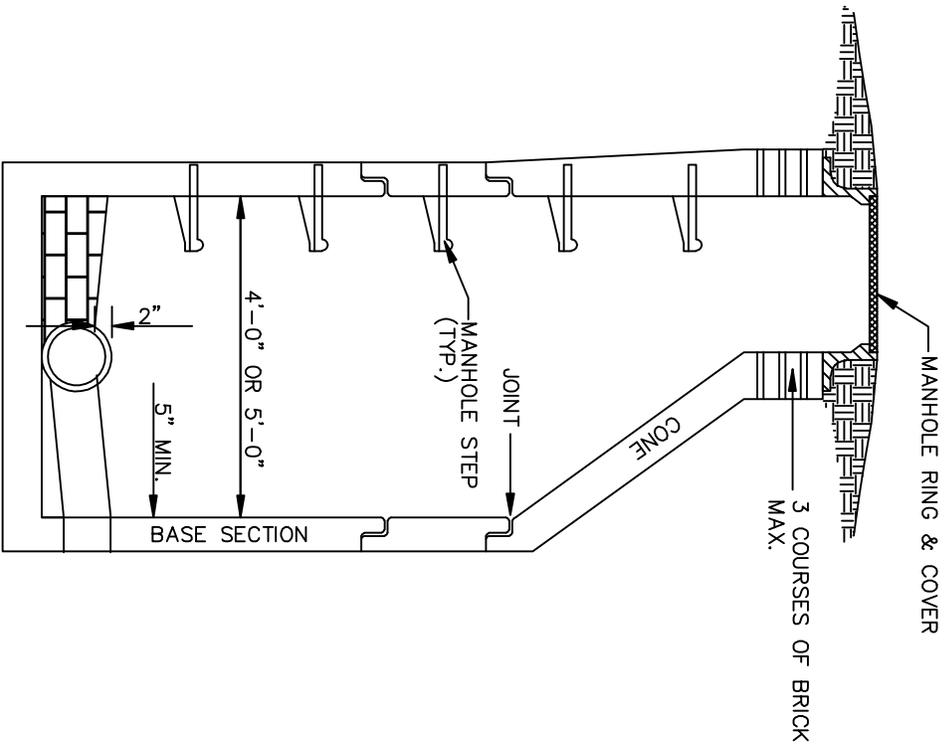


NOTES:

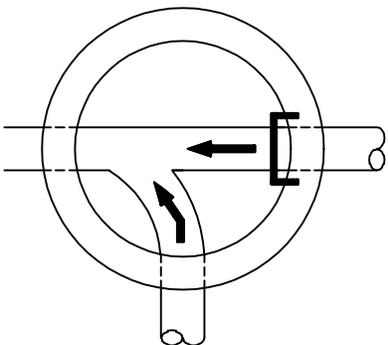
1. MANHOLE TO CONFORM WITH ASTM C478 EXCEPT AS MODIFIED BELOW.
2. MANHOLE BASE TO BE REINFORCED WITH A MINIMUM AREA OF 0.20 SQ. IN. PER LINEAR FOOT EACH WAY AND BENT UP AT WALLS 10" AND SPLICED TO A WALL REINFORCING WALL REINFORCING TO BE A MINIMUM OF 0.12 SQ... IN. PER LINEAR FOOT. BOTH TONGUE AND GROOVE OF JOINTS SHALL HAVE REINFORCING EQUAL IN AREA TO MINIMUM OF WALL SECTION.
3. ALL JOINTS SHALL CONFORM TO ASTM C443.
4. STEPS SHALL BE PLASTIC PER COUNTY STANDARDS.
5. ALL PIPE OPENINGS TO BE NO GREATER THAN 3" LARGER THAN O.D. OF PIPE AND ADDITIONALLY REINFORCED WITH A MINIMUM OF 0.20 SQ... IN. OF STEEL AT 90 DEGREES. PIPE TO BE CENTERED IN OPENINGS AND SUPPORTED WITH A CONCRETE COLLAR 12" GREATER THAN O.D. OF PIPE FOR ONE FOOT FROM THE WALL. CONCRETE SHALL BE REINFORCED FROM THE OUTSIDE TO BECOME AN INTEGRAL PART OF THE MANHOLE INVERT OR TO A POINT FLUSH WITH INSIDE WALL.
6. ALL SURFACES SHALL BE SMOOTH EVEN TEXTURED WITH A MINIMUM OF HONEYCOMB, FINS, AND OTHER IMPERFECTIONS.
7. LIFTING HOLES SHALL BE PLUGGED WITH EXPANSION GROUT FROM OUTSIDE PRIOR TO BACKFILLING.
8. INVERTS IN 5' DIA. MANHOLES TO BE 3600 PSI READY MIX CONCRETE IN LIEU OF BRICK.
9. STEPS IN 5' DIA. MANHOLES TO BE OVER WIDEST SHELF.
10. ALL MASONRY MORTAR SHALL BE PORTLAND CEMENT 1:3 MIX.
11. CARE MUST BE TAKEN TO FORM A SMOOTH FINISHED 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.

REVISIONS

NO.	DATE	DESCRIPTION
1	8/08	REMOVED NOTE 12



ELEVATION VIEW
N.T.S.



PLAN VIEW
N.T.S.

YORK COUNTY ENGINEERING
STANDARDS

MANHOLE
4' & 5' DIAMETER

STD. NO.	12.01
DATE	08/07