



**NOTES:**

1. THE INVERT CHANNELS AND BENCH SHALL BE FORMED USING 3,000 PSI CONCRETE AND COATED WITH EPOXY LINER.
2. CONCRETE TO BE PLACED IN MANHOLE AFTER THE MANHOLE HAS BEEN SET IN PLACE.
3. UNLESS SHOWN OTHERWISE ON DRAWINGS AND APPROVED BY FCPW, SAND CRUSHED STONE, OR PEA GRAVEL SHALL BE USED FOR BACKFILL AROUND THE MANHOLE FOR A MINIMUM DISTANCE OF 3.5 FEET FROM THE OUTSIDE SURFACE AND EXTENDING THE FULL HEIGHT OF THE MANHOLE.
4. BACKFILL SHALL BE PLACED IN LAYERS OF NOT MORE THAN 12 LOOSE MEASURE INCHES AND COMPACTED TO A MINIMUM OF 90% STANDARD PROCTOR DENSITY OR AS REQUIRED BY THE AUTHORITY HAVING JURISDICTION.
5. COMPACT TO 95% STANDARD PROCTOR DENSITY UNLESS OTHERWISE APPROVED BY FCPW.
6. ALTERNATE MEANS OF PIPE PENETRATIONS AND CONNECTIONS MAY BE USED AS RECOMMENDED BY MANHOLE MANUFACTURER AND APPROVED BY FCPW.
7. ALL HDPE TO HDPE SURFACES MUST BE FULL PENETRATION EXTRUSION WELDS UNLESS OTHERWISE SPECIFIED.
8. PROVIDE AN ANCHOR CONNECTION RING TO BE USED IN CONNECTION WITH A CONCRETE BALLAST.
9. CONCRETE BALLAST REQUIREMENTS SHALL BE AS DETERMINED BY DESIGN ENGINEER AND AS APPROVED BY FCPW.
10. RISER RINGS SHALL HAVE A CLEAR OPENING EQUAL OR LESS THAN THE OPENING OF THE FRAME.
11. APPLY A 3/8-INCH BEAD OF BUTYL RUBBER SEALANT BETWEEN THE FOLLOWING CONTACTING SURFACES:
  - MANHOLE FRAME AND RISER RINGS
  - RISER RINGS
  - RISER RING AND HDPE MANWAY
12. CONCRETE CAP SHALL BE DESIGNED TO DISPERSE LOAD INTO THE SOIL AND AVOID DIRECTLY ONTO THE MANHOLE.
13. DESIGN OF THE CONCRETE CAP SHALL BE AS DETERMINED BY THE ENGINEER.
14. "H" & "T" DIMENSION APPLY ONLY AT THE UPSTREAM EDGE OF MANHOLE.
15. HEIGHT OF MANWAY TO BE DETERMINED BY CONCRETE CAP DESIGN.

TABLE 1

"D"	"T"	"H"
INSIDE DIA. PIPE (IN.)	VERTICAL TANGENT (IN.)	HEIGHT OF WATER TABLE (IN.)
8	2 1/2	6 1/2
10	3	8
12	3 1/2	9 1/2
15	4 1/2	12
18	5 1/2	14 1/2
21	6 1/2	17
24	7 1/2	19 1/2
27	8	21 1/2
30	9	24
33	10	26 1/2
36	11	29

95% SUBMITTAL

<b>FULTON COUNTY STANDARD DETAIL 114B</b>  <b>STANDARD SEWER MANHOLE</b> <b>HDPE MANHOLES - TRAFFIC</b>	DATE	REVISIONS	DATE	REVISIONS	DGS/DRN/CHKD: <u>   XXX   </u> APPROVED: <u>   XXX   </u> DATE: <u>   XX-X-XX   </u>	 FULTON COUNTY PUBLIC WORKS 141 PRYOR ST. ATLANTA, GA. 30303 404-612-7400 FAX: 404-224-0498	DRAWING NO.  <b>114B</b>