



NOTES:

1. ANNULAR SPACES BETWEEN THE CARRIER PIPE AND THE CASING PIPE SHALL BE FILLED WITH EITHER SAND, GROUT OR A FILLER APPROVED BY THE AUTHORITY ENGINEER IN ACCORDANCE WITH THE CONDITIONS OF THE PERMIT OR SPECIFICATIONS.
2. THE CASING PIPE SHALL HAVE FULL-PENETRATION WELDED JOINTS.
3. ENDS OF THE CASING PIPE SHALL BE BULKHEADED WITH BRICK AND MORTAR.
4. THE CARRIER PIPE SHALL BE INSULATED FROM THE CASING PIPE AND SUPPORTED ON ALL SIDES BY THE USE OF PREMANUFACTURED SPACERS. (SEE PIPE CASING DETAIL).
5. DISTANCE "A" FROM ROADWAY TO PIT TO BE DESIGNATED BY AUTHORITY GOVERNING THE ROADWAY.

REVISED 11-6-12	REVISED CARRIER PIPE/CASING SPACER
REVISED 10-08-03	CADD DRAWING BY GTS CONSULTANTS, INC.

DATE: JAN. 1991
 DRAWN: G.G.&J.T.R.
 SCALE: NONE

**LAKEWOOD TOWNSHIP
 MUNICIPAL UTILITIES AUTHORITY**

**BORE
 CONSTRUCTION**