



CARRIER PIPE DIAMETER	MINIMUM CASING DIAMETER REQ'D
6"	12"
8"	16"
12"	20"
15"	24"
18"	30"
24"	36"
>24"	BY ENGINEER

NOTES:

- BORINGS SHALL BE AT 90 DEGREES TO ALL CROSSINGS UNLESS OTHERWISE APPROVED. THE BORING OF THE HOLE AND INSTALLATION OF THE CASING PIPE SHALL BE SIMULTANEOUS. BORE HOLE DIAMETER SHALL ESSENTIALLY BE THE SAME AS THE OUTSIDE DIAMETER OF THE CASING PIPE TO BE INSTALLED.
- STEEL PIPE CASING SHALL BE SMOOTH STEEL PIPE FABRICATED IN SECTIONS IN ACCORDANCE WITH AWWA C201. LENGTHS OF CASING PIPE SHALL BE AS LONG AS PRACTICAL FOR SITE CONDITIONS.
- JOINTS SHALL CONFORM TO THE REQUIREMENTS OF AWWA C206. JOINTS BETWEEN SECTIONS SHALL BE COMPLETELY WELDED TO THE PRECEDING SECTIONS. PRIOR TO WELDING JOINTS, THE CONTRACTOR SHALL ENSURE THAT BOTH ENDS OF THE CASING SECTIONS BEING WELDED ARE SQUARE.
- STEEL PIPE CASING WALL THICKNESS SHALL BE AS SPECIFIED BY DESIGN ENGINEER. VERIFY CASING SIZES AND SIZING OF CASING INSULATORS PRIOR TO ORDERING.
- CASING END SEALS SHALL BE SYNTHETIC NEOPRENE RUBBER PULL-ON TYPE END SEALS WITH STAINLESS STEEL BANDS.
- FOR OPEN TRENCH INSTALLATIONS, THE CASING SHALL BE SUPPORTED BY A MINIMUM OF TWO (2) CONCRETE SUPPORT PADS AT BOTH ENDS. MORE SUPPORT MAY BE REQUIRED DEPENDING ON SITE CONDITIONS.
- ANNULAR SPACE BETWEEN CASING AND CARRIER PIPE SHALL REMAIN FREE OF MATERIAL UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
- CHOCK SHALL PROVIDE A MINIMUM CLEARANCE OF 3/4 INCH BETWEEN THE CARRIER PIPE'S GREATEST OUTSIDE DIAMETER AND THE CASING PIPE'S INSIDE DIAMETER.
- ALL JOINTS WITHIN THE CASING SHALL BE FULLY RESTRAINED.

PIPE CASING DETAIL



[Signature]
APPROVED BY:

DATE : DEC 2014
REVISED : -

DWG. **28B**