



NOTES:

1. THE ANNULAR SPACE BETWEEN THE CARRIER PIPE AND CASING SHALL NOT BE FILLED UNLESS OTHERWISE SPECIFIED ON THE PLANS
2. RESTRAIN OR WELD ALL JOINTS FOR CARRIER PIPE WITHIN CASING
3. MINIMUM CASING WALL THICKNESS 'T' SPECIFIED IN "TABLE A" IS REQUIRED FOR CASING IN PLACE, AND DOES NOT ACCOUNT FOR CONSTRUCTION LOADS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR THE STRUCTURAL SUFFICIENCY OF THE CASING DURING CONSTRUCTION, AND ALSO THE METHOD OF INSTALLATION
4. IF CARRIER PIPE IS NON-METALLIC DELETE CATHODIC TEST LEADS TO CARRIER PIPE

TABLE "A"			
CASING DIAMETER "D" (INCHES)	STREETS & HWYS THICKNESS "T" MINIMUM		RAILROADS THICKNESS "T" (MINIMUM)
	UP TO 150' LENGTH	OVER 150' LENGTH	
4" - 10" OD	1/4"	1/4"	4" - 12", 1/4"
12" - 16" OD	1/4"	1/4"	14" - 16", 9/32"
18" - 20" OD	1/4"	1/4"	18", 5/16" 20", 11/32"
22" OD	1/4"	1/4"	3/8"
24" OD	1/4"	1/4"	13/32"
26" OD	1/4"	1/4"	7/16"
28" OD	1/4"	1/4"	15/32"
30" OD	3/8"	1/2"	15/32"
32" OD	3/8"	1/2"	1/2"
34" - 36" OD	3/8"	1/2"	17/32"
38" OD	3/8"	1/2"	9/16"
40" OD	1/2"	3/4"	9/16"
42" OD	1/2"	3/4"	9/16"
48" - 60" OD	1/2"	3/4"	AS REQUIRED
62" - 72" OD	3/4"	3/4"	AS REQUIRED



APPROVED DATE: January 1, 2011

Joseph R. Keenly

DIRECTOR OF ENGINEERING

STANDARD DRAWING
CASING
INSTALLATION DETAIL

STD. DWG. NO.

W-0540