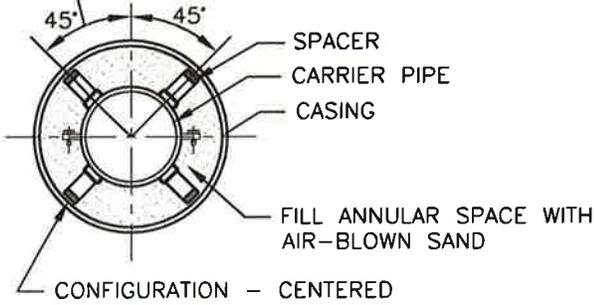
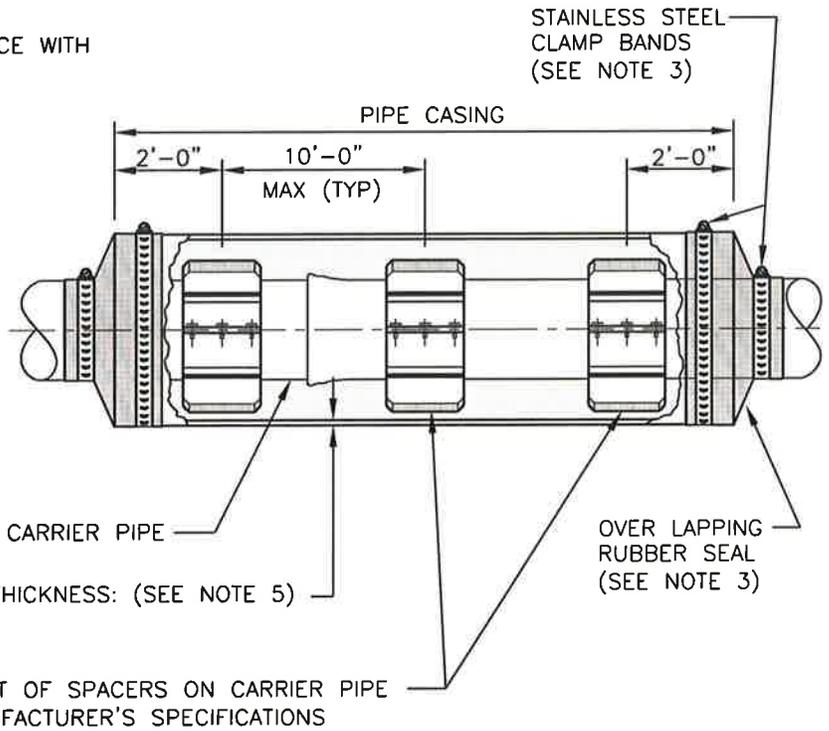


ANGLES TO BE CONSTANT AROUND ENTIRE CIRCUMFERENCE OF THE PIPE. NUMBER OF SPACERS PER MANUFACTURER'S SPECIFICATIONS



CROSS-SECTION



NOTES:

1. DUCTILE IRON (DI) PIPE JOINTS INSIDE PIPE CASING TO BE RESTRAINED (TYP).
2. INTERIOR OF CASING TO BE GROUND SMOOTH AND LUBRICATED FOR SPACER INSTALLATION.
3. RUBBER SEALS AND STAINLESS STEEL CLAMPS REQUIRED.
4. REDWOOD SKIDS CAN BE SUBSTITUTED FOR SPACERS ON A CASE BY CASE BASIS AS APPROVED BY SBMWD.
5. CASING THICKNESS (TO BE DETERMINED BY ENGINEER) NOT TO EXCEED DEFLECTION OF PIPE.
6. ALTERNATE CASING SIZE TO BE APPROVED BY DEPARTMENT ENGINEER ON A CASE BY CASE BASIS.

DI CARRIER PIPE	
8" SPACER WIDTH	
PIPE SIZE	CASING ID
8"	16"
12"	24"
16"	30"
18"	30"
20"	36"
24"	42"
30"	48"
36"	54"

REVISION DATE: 2/18/2015

		SAN BERNARDINO MUNICIPAL WATER DEPARTMENT		DRAWING NUMBER	
F.D.L.	FEB. 15	CASING ASSEMBLY DETAIL		SBMWD	
F.D.L.	SEPT. 11			W6.17	
D.D.M.	MAR. 11				
REVISION	DATE				
SCALE: NONE		APPROVED		DATE	2/26/15
		MATTHEW H. HITCHFIELD, P.E. RCE 58079			