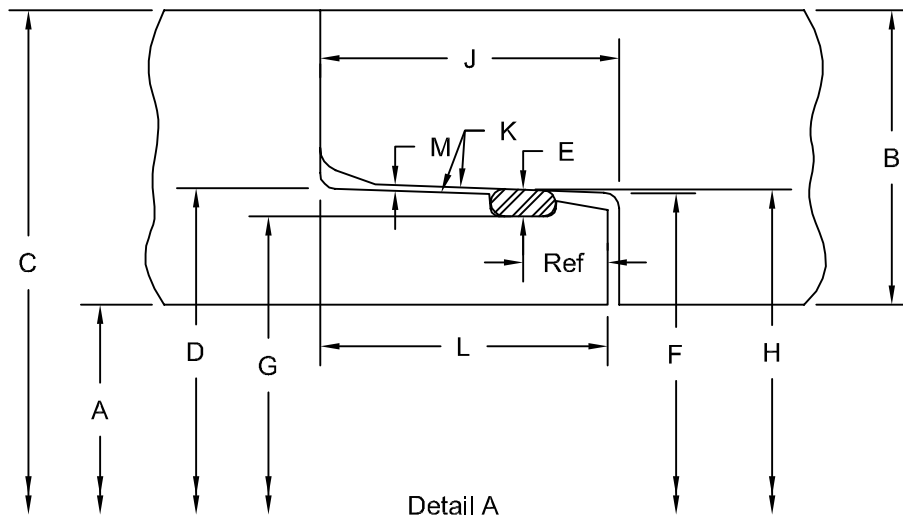


See Detail A

A	Pipe Diameter (In)	90	96	102	108	114	120	132	144
	Pipe Diameter (mm)	2250	2400	2550	2700	2850	3000	3300	3600
B	Wall Thickness	9.25	9.00	10.25	10.00	9.50	10.00	11.00	12.00
C	Outside Diameter	108.50	114.00	122.50	128.00	133.00	140.00	154.00	168.00
D	Spigot Joint Outside Diameter	97.599	103.983	110.632	116.974	122.890	128.890	141.641	155.228
E	O-Ring Annular Space	0.562	0.562	0.602	0.622	0.622	0.622	0.622	0.632
F	Bell Joint Inside Diameter	97.500	103.875	110.470	116.875	122.721	128.721	141.471	154.625
G	Diameter @ Back Of O-Ring	96.510	102.898	109.402	115.762	121.630	127.630	140.380	153.893
H	Diameter @ Front Of O-Ring	97.635	104.022	110.606	117.006	122.874	128.874	141.624	155.157
J	Bell Depth	5.00	5.00	5.00	5.00	6.00	6.00	6.00	8.25
K	Joint Taper	2°	2°	2°	2°	2°	2°	2°	2°
L	Spigot Depth	5.00	4.875	4.875	4.875	5.813	5.813	5.813	8.25
M	Joint Annular Space	0.1250	0.1250	0.0938	0.1250	0.1250	0.1250	0.1250	0.1560
Ref		1.938	2.000	1.938	1.813	2.000	2.188	2.000	3.000
	Approximate Weight / L.F.	3004#	3093#	3765#	3862#	3839#	4254#	5148#	6126#

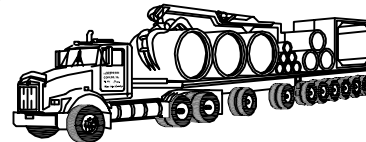


Detail A

Note:

Pipe To Be Manufactured And Tested In Accordance With Current ASTM C-14, ASTM C-76 Or ASTM C-655 Specifications As Required.

All O-Rings Meet ASTM C-443 & ASTM C-361 Specifications.



Northern Concrete Pipe, Inc.

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90"Ø To 144"Ø Precast Concrete Pipe & Joint Detail

Date	Revised	Drawn By	Scale	
01 Mar 99		BmG	NTS	1.3