



LEGS ROTATED OUT OF POSITION FOR CLARITY

CARRIER PIPE		CASING PIPE				SPIDER/SPACER DIMENTIONS		
		HIGHWAY		RAILROAD		A	B	C
NOMINAL DIA.	O. D.	O. D.	WALL	O. D.	WALL			
6"	6.90"	12.75"	0.188"	12.75"	0.250"	11"	1 1/4"	5/8"
8"	9.05"	18"	0.250"	18"	0.312"	16 1/2"	2 1/4"	1"
12"	13.20"	24"	0.250"	24"	0.406"	22 1/2"	3"	1 1/4"
16"	17.40"	30"	0.312"	30"	0.500"	28 1/2"	3 1/2"	1 1/2"
24"	25.80"	36"	0.375"	36"	0.5625"	34 1/2"	4"	2"
PIPE SUPPORT ASSEMBLY MARK NUMBER								
NOMINAL DIA	1		2		3		4	
6"	8" X 2" X 1/4"	PL	6" X 1 1/2" X 1/4"	PL	6" X 1/4"	PL	3/8"	NUT & BOLT
8"	8" X 3" X 1/4"	PL	6" X 3 1/4" X 1/4"	PL	6" X 1/4"	PL	1/2"	NUT & BOLT
12"	8" X 4" X 1/4"	PL	6" X 3 5/8" X 3/8"	PL	6" X 3/8"	PL	1/2"	NUT & BOLT
16"	8" X 4" X 3/8"	PL	6" X 4 3/4" X 3/8"	PL	6" X 3/8"	PL	1/2"	NUT & BOLT
24"	8" X 4" X 3/8"	PL	6" X 5 1/2" X 3/8"	PL	6" X 3/8"	PL	1/2"	NUT & BOLT

NOTES:

- CARRIER PIPE SHALL BE RESTRAINED PUSH-ON JOINT DUCTILE IRON JOINT PIPE.
- A MINIMUM OF 2 SPIDERS/SPACERS PER JOINT OF CARRIER PIPE. ADDITIONAL SPIDERS/SPACERS MAY BE REQUIRED PER MANUFACTURERS RECOMMENDATIONS AND/OR AS DIRECTED BY THE CITY.
- SPACERS SHALL BE ADVANCE PRODUCTS & SYSTEMS, INC STAINLESS STEEL BANDED SPACERS, MODEL SSI OR EQUAL WITH STAINLESS STEEL NUTS, BOLTS AND WASHERS.
- FOR SEWER - CASING PIPE SLOPE TO MATCH SEWER SLOPE & FOR WATER - SPIDER/SPACER HEIGHT CAN BE ADJUSTED.
- CASING PIPE MATERIAL IS UNCOATED STEEL
- FOR 24-INCH OR LARGER DIAMETER CASING PIPES LOCATED WITHIN NCDOT'S RIGHT OF WAY, ALL VOIDS SHALL BE FILLED WITH FLOWABLE FILL IN ACCORDANCE WITH NCDOT STANDARDS



CITY OF CONCORD
STANDARD DETAIL
CASING PIPE
SPIDERS/SPACERS

No.	Date	By	REVISION			
Drawn By:	Checked By:	Approved By:	Date	Sht	of	
BCC	SVM	MSH	08/21	1	1	