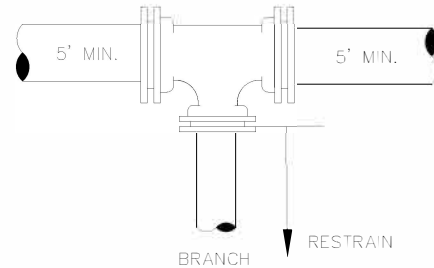


STRAIGHT REDUCER



TEE REDUCER

SMALL SIDE	DUCTILE IRON PIPE				
	DIAMETER	6"	8"	10"	12"
	4"	15'	27'	36'	45'
	6"		16'	27'	38'
	8"			15'	28'
	10"				18'
	PVC PIPE				
	DIAMETER	6"	8"	10"	12"
	4"	24'	43'	58'	72'
	6"		25'	44'	61'
	8"			24'	44'
	10"				25'

BRANCH SIZE	DUCTILE IRON PIPE				
	DIAMETER	6"	8"	10"	12"
	4"	1'	1'	1'	1'
	6"		6'	1'	1'
	8"			15'	10'
	10"				23'
	PVC PIPE				
	DIAMETER	6"	8"	10"	12"
	4"	1'	1'	1'	1'
	6"		16'	8'	1'
	8"			31'	25'
	10"				44'

THE NOTED REQUIREMENTS WERE CALCULATED IN ACCORDANCE WITH THRUST RESTRAINT CALCULATOR V7.2 BY EBAA IRON WITH THE FOLLOWING ASSUMPTIONS:
 SOIL CONDITIONS: SW OR GW; LENGTH ALONG RUN EQUALS 4 FEET
 LAYING CONDITION: 4, SAND BEDDING, BACKFILL COMPACTED > 80%
 MINIMUM COVER: 3.0 FT; SAFETY FACTOR: 1.5; BARE PIPE (NO POLY WRAP)
 IF FIELD CONDITIONS DIFFER FROM THE ABOVE, CONTRACTOR SHALL NOTIFY THE CITY.
 FOR PIPE LARGER THAN INCLUDED IN THE ABOVE TABLES, ENGINEER OF RECORD SHALL SUBMIT CALCULATIONS FOR EACH JOINT REQUIRING RESTRAINT.

RESTRAINED REDUCING FITTING
150 PSI TEST PRESSURE

DATE: 03/24

DRAWN: KHA



CITY OF MARGATE, FLORIDA
 DEPARTMENT OF ENVIRONMENTAL
 AND ENGINEERING SERVICES

**RESTRAINED JOINT
 REQUIREMENTS REDUCING
 FITTINGS**

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