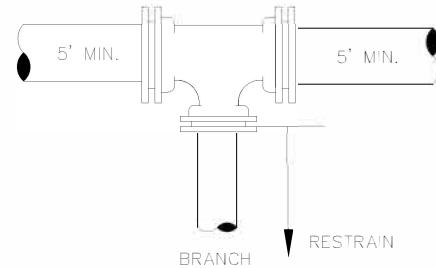


STRAIGHT REDUCER

DUCTILE IRON PIPE				
DIA METER	6"	8"	10"	12"
4"	15'	27'	36'	45'
6"		16'	27'	38'
8"			15'	28'
10"				16'

PVC PIPE				
	6"	8"	10"	12"
4"	24'	43'	58'	72'
6"		25'	44'	61'
8"			24'	44'
10"				25'



TEE REDUCER

DUCTILE IRON PIPE				
DIA METER	6"	8"	10"	12"
4"	1'	1'	1'	1'
6"		6'	1'	1'
8"			15'	10'
10"				23'

PVC PIPE				
	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: 08/24

DRAWN: KHA



CITY OF MARGATE, FLORIDA
DEPARTMENT OF ENVIRONMENTAL
AND ENGINEERING SERVICES

RESTRAINED JOINT
REQUIREMENTS REDUCING
FITTINGS

G-10