

HORIZONTAL 90 DEGREE BEND	
DIAMETER (INCHES)	REQUIRED LENGTH OF RESTRAINED PIPE (FEET)
12"	120'
10"	90'
8"	80'
6"	60'

* THE REQUIRED LENGTH OF RESTRAINED PIPE IS ON BOTH SIDES OF FITTING

HORIZONTAL 45 DEGREE BEND	
DIAMETER (INCHES)	REQUIRED LENGTH OF RESTRAINED PIPE (FEET)
12"	50'
10"	40'
8"	30'
6"	20'

* THE REQUIRED LENGTH OF RESTRAINED PIPE IS ON BOTH SIDES OF FITTING

VERTICAL 90 DEGREE BEND UP	
DIAMETER (INCHES)	REQUIRED LENGTH OF RESTRAINED PIPE (FEET)
12"	120'
10"	90'
8"	80'
6"	60'

* THE REQUIRED LENGTH OF RESTRAINED PIPE IS ON BOTH SIDES OF FITTING

TEE	
DIAMETER (INCHES)	REQUIRED LENGTH OF RESTRAINED PIPE (FEET)
12"	80'
10"	70'
8"	60'
6"	40'

* THE REQUIRED LENGTH OF RESTRAINED PIPE IS ON BRANCH SIDE OF FITTING

REDUCER	
DIAMETER (INCHES)	REQUIRED LENGTH OF RESTRAINED PIPE (FEET)
8" X 6"	20'
10" X 6"	40'
10" X 8"	20'
12" X 6"	60'
12" X 8"	40'
12" X 12"	20'

* THE REQUIRED LENGTH OF RESTRAINED PIPE IS ON LARGE SIZE PIPE

DEADEND	
DIAMETER (INCHES)	REQUIRED LENGTH OF RESTRAINED PIPE (FEET)
12"	80'
10"	70'
8"	60'
6"	40'

SHEET 5 of 5

TOWN OF BRASELTON WATER & SEWER DEPARTMENTS

JOB TITLE STANDARD DETAIL	SHEET TITLE PIPELINE RESTRAINT LENGTHS	DRN. BY: EMI	REV. NO.	BY	DATE
		CKD BY:	A	EMI	8/6/18
		APPD. BY:			
		DATE: MARCH 2004			
DETAIL No. W-4A		FILE No. 03033 W-4.dwg	SCALE: N.T.S.		