



RESTRAINED LENGTH IN FEET EACH SIDE OF BEND									RESTRAINED LENGTH IN FEET FOR REDUCER										
PIPE DIAMETER (INCHES)	D. I. P.				P. V. C.				PIPE DIAMETER (INCHES)										
	90°	45°	22 1/2°	11 1/4°	90°	45°	22 1/2°	11 1/4°		3"	4"	6"	8"	10"	12"	16"	20"	24"	30"
3"	30'	15'	10'	5'	40'	20'	10'	5'	3"	0	0	0	0	0	0	0	0	0	0
4"	35'	15'	10'	5'	55'	25'	15'	10'	4"	40'	0	0	0	0	0	0	0	0	0
6"	55'	25'	10'	5'	80'	35'	20'	10'	6"	50'	45'	0	0	0	0	0	0	0	0
8"	65'	30'	15'	10'	90'	40'	20'	10'	8"	75'	70'	40'	0	0	0	0	0	0	0
10"	80'	35'	20'	10'	110'	50'	25'	15'	10"	95'	90'	70'	40'	0	0	0	0	0	0
12"	95'	40'	20'	10'	130'	55'	30'	15'	12"	120'	115'	100'	75'	40'	0	0	0	0	0
16"	120'	50'	25'	15'	165'	70'	35'	20'	16"	160'	155'	140'	125'	100'	70'	0	0	0	0
20"	150'	65'	30'	15'	200'	85'	40'	20'	20"	200'	195'	185'	170'	150'	130'	75'	0	0	0
24"	180'	70'	35'	20'	210'	90'	45'	25'	24"	160'	155'	150'	140'	135'	120'	90'	50'	0	0
30"	190'	80'	40'	20'	250'	105'	50'	25'	30"	195'	190'	185'	180'	170'	160'	120'	105'	70'	0
36"	220'	95'	45'	25'	0	0	0	0	36"	225'	220'	215'	210'	205'	195'	180'	150'	125'	70'
42"	245'	105'	50'	25'	0	0	0	0	42"	245'	240'	235'	230'	225'	220'	205'	180'	155'	105'
48"	260'	120'	60'	30'	0	0	0	0	48"	255'	250'	245'	240'	235'	230'	215'	195'	175'	125'

RESTRAINED LENGTHS FOR DEAD ENDS AND BRANCHES FROM TEES SHALL BE THE SAME AS FOR 90° BENDS

LENGTH OF RESTRAINED LENGTHS FOR LARGER DIAMETER PIPE