



L = LENGTH TO BE RESTRAINED ON BOTH SIDES OF FITTING. WHEN RESTRAINED LENGTHS OVERLAP ON THE DIAGONAL PIPE, ALL PIPE BETWEEN FITTINGS SHOULD BE RESTRAINED.

PIPE SIZE (INCH)	BEND ANGLE (DEG)	LOW SIDE DEPTH	L1 UPPER BEND RESTRAINED LENGTH IN FEET, WHEN TEST PRESSURE = 200 PSI	L2 LOWER BEND RESTRAINED LENGTH IN FEET, WHEN TEST PRESSURE = 200 PSI
6	45	5	24	8
6	22.5	5	12	4
6	11.25	5	6	2
6	45	10	24	5
6	22.5	10	12	2
6	11.25	10	6	1
8	45	5	32	11
8	22.5	5	15	5
8	11.25	5	8	3
8	45	10	32	7
8	22.5	10	15	3
8	11.25	10	8	2
12	45	5	45	16
12	22.5	5	22	7
12	11.25	5	11	4
12	45	10	45	10
12	22.5	10	22	5
12	11.25	10	11	2

NOTES:

1. RESTRAINED LENGTH CALCULATIONS ARE FOR PVC PIPE BEDDED IN COMPACTED GRANULAR MATERIAL EXTENDING TO THE TOP OF THE PIPE.
2. THE NATIVE SOIL MATERIAL IS ASSUMED TO BE INORGANIC CLAY OF HIGH PLASTICITY.
3. DEPTH OF BURY IS ASSUMED TO BE 4 FEET
4. THESE CALCULATIONS ARE PROVIDED FOR REFERENCE. THE RESTRAINED LENGTH SHALL BE DESIGNED BASED UPON THE CONDITIONS ENCOUNTERED DURING THE INSTALLATION.

NO REVISION OR MODIFICATION OF THIS DETAIL SHALL BE MADE WITHOUT PRIOR WRITTEN APPROVAL FROM AUGUSTA UTILITIES DEPARTMENT.

REVISED: JANUARY 2018

**RESTRAINED LENGTHS
FOR VERTICAL BENDS**

AUD DETAIL 3.2.2

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