



L_r = LENGTH OF PIPE ALONG THE RUN FREE OF JOINTS
 L = LENGTH TO BE RESTRAINED

PIPE SIZE (INCH)	BRANCH SIZE (INCH)	LENGTH OF RUN (FT.)	RESTRAINED LENGTH IN FEET, WHEN TEST PRESSURE = 200 PSI
6	4	5	7
6	4	10	1
6	6	5	35
6	6	10	11
8	4	5	42
8	6	5	59
8	6	5	1
8	8	10	77
8	8	5	30
12	8	10	6
12	4	15	42
12	6	5	59
12	6	5	1
12	8	10	77
12	8	5	7
12	8	10	1
12	12	15	109
12	12	5	86
12	12	10	63
12	12	15	39

NOTES:

1. RESTRAINED LENGTH CALCULATIONS ARE FOR PVC AND DIP 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.

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**RESTRAINED LENGTHS
FOR TEES**

AUD DETAIL 3.2.3

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