



PVC TEE RESTRAINT/RUN SIZE

		4	6	8	10	12	14	16	18
BRANCH SIZE	4	*	*	*	*	*	*	*	*
	6	X	*	*	*	*	*	*	*
	8	X	X	3	*	*	*	*	*
	10	X	X	X	14	*	*	*	*
	12	X	X	X	X	27	14	3	*
	14	X	X	X	X	X	38	27	16
	16	X	X	X	X	X	X	50	39
	16	X	X	X	X	X	X	X	61

* — FOR THIS CONDITION NEED ONLY RESTRAIN THE BRANCH OUTLET OF THE TEE.

RESTRAINED LENGTHS "L" (IN FEET)

1. RESTRAIN THE TWO MECHANICAL JOINTS ON THE RUN SIDES OF THE TEE. THERE SHOULD BE A MINIMUM OF 10' OF JOINT FREE PIPE INSTALLED ON EACH SIDE OF THE RUN. IF THE 10' MINIMUM CANNOT BE INSTALLED, PROVIDE A THRUST BLOCK AT THE TEE.
2. ALL JOINTS WITHIN THE LENGTH "L" ON THE BRANCH MUST BE RESTRAINED. USE RETAINER GLAND AT MECHANICAL JOINTS AND HARNESS ON PUSH-ON PIPE PER SPECIFICATIONS.
3. CALCULATIONS BASED UPON SOIL TYPE ML PER ASTM D-2487, TRENCH COMPACTION MINIMUM 90% RELATIVE PER ASTM D-1557 AND D-2937, 1.5 SAFETY FACTOR, 100 PSI TEST PRESSURE, PIPE COVER 3 FT. MINIMUM. FOR OTHER CONDITIONS, INCREASE LENGTH "L" PER JOINT RESTRAINT MANUFACTURER REQUIREMENTS.

REVISION DATE	MADERA VALLEY WATER COMPANY		Std. Dwg.
20FEB13	PVC TEE RESTRAINTS		W-17
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