



PVC DESIGN:  
 SOIL TYPE: SM  
 TRENCH TYPE: 3  
 COVER: 3' ≤ 12" DIA.  
 4' > 12" DIA.  
 TEST PRESSURE: 150 PSI

TEE	Ur	10'	20'	TEE	Ur	10'	20'
4X4	3	*	*	16X10	4	*	*
6X4	*	*	*	16X12	25	*	*
6X6	5	*	*	16X16	61	24	
8X4	*	*	*	20X6	*	*	*
8X6	*	*	*	20X8	*	*	*
8X8	18	*	*	20X10	*	*	*
10X4	*	*	*	20X12	10	*	*
10X6	*	*	*	20X16	48	2	
10X8	8	*	*	20X20	81	44	
10X10	28	11		24X6	*	*	*
12X4	*	*	*	24X8	*	*	*
12X6	*	*	*	24X10	*	*	*
12X8	*	*	*	24X12	*	*	*
12X10	20	*	*	24X16	35	*	*
12X12	39	3		24X20	69	25	
16X6	*	*	*	24X24	101	63	
16X8	*	*	*				

RESTRAIN AT TEE ONLY.

MINIMUM RESTRAINED LENGTH (L)

NOTES:

1. LENGTH OF RESTRAINT SHOWN IS IN FEET. FITTING DIAMETERS ARE IN INCHES.
2. WHERE LINES CONSIST OF BOTH DUCTILE IRON AND PVC WITHIN THE LIMITS OF REQUIRED RESTRAINT, LIMITS FOR PVC SHALL APPLY.
3. U1 AND U2 = UNINTERRUPTED STRAIGHT RUNS OF PIPE IN EACH DIRECTION.
4. Ur = THE SMALLER OF U1 OR U2.
5. L = MINIMUM RESTRAINED LENGTH ALONG THE BRANCH.
6. WHERE Ur IS LESS THAN 5', RESTRAIN TEE AS A 90° HORIZONTAL BEND.
7. INFORMATION IN THE TABLES ABOVE ARE BASED ON THE DESIGN INFORMATION SHOWN. THE ENGINEER SHALL PROVIDE AMENDED RESTRAINT LENGTHS IF SITE CONDITIONS DIFFER.

TEE RESTRAINT (PVC PIPE)

STANDARD  
 CONSTRUCTION  
 DETAILS



CITY OF  
*savannah*  
 WATER RESOURCES AND PUBLIC WORKS BUREAU  
 Planning & Engineering

SCALE: N.T.S.  
 DATED: JAN 2017  
 PLATE NUMBER:  
 W30