



POLYETHYLENE WRAPPED DUCTILE IRON PIPE

PE WRAPPED DIP:  
 SOIL TYPE: SM  
 TRENCH TYPE: 3  
 COVER: 3'  
 TEST PRESSURE=150 PSI

TEE \ Ur	10'	20'	TEE \ Ur	10'	20'
4X4	4	*	16X10	30	*
6X4	*	*	16X12	68	*
6X6	27	*	16X16	135	78
8X4	*	*	20X6	*	*
8X6	9	*	20X8	*	*
8X8	52	*	20X10	5	*
10X4	*	*	20X12	42	*
10X6	*	*	20X16	111	40
10X8	35	*	20X20	175	116
10X10	72	16	24X6	*	*
12X4	*	*	24X8	*	*
12X6	*	*	24X10	*	*
12X8	20	*	24X12	19	*
12X10	58	*	24X16	87	5
12X12	94	38	24X20	151	82
16X6	*	*	24X24	212	152
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 RESTRAINED JOINT PIPE IN EACH DIRECTION.
4. Ur = THE SMALLER OF U1 OR U2 (E.G., U1, IN THE ABOVE DIAGRAM).
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 (DUCTILE IRON PIPE)

STANDARD  
 CONSTRUCTION  
 DETAILS



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

SCALE: N.T.S.  
 DATED: JAN 2017  
 PLATE NUMBER:  
**W31**