



PVC LINE

PVC DESIGN:
 SOIL TYPE: SM
 TRENCH TYPE: 5
 COVER: 3' ≤ 12" DIA.
 4' > 12" DIA.
 TEST PRESSURE=150 PSI

PIPE DIA.	BEND ANGLE			
	11 1/4°	22 1/2°	45°	90°
4	2	3	6	13
6	2	4	8	18
8	3	5	10	24
10	3	6	12	28
12	4	7	14	33
16	4	7	14	33
20	4	8	17	39
24	5	9	19	45

POLYETHYLENE WRAPPED DUCTILE IRON LINE

PE WRAPPED DIP:
 SOIL TYPE: SM
 TRENCH TYPE: 5
 COVER: 3'
 TEST PRESSURE=150 PSI

PIPE DIA.	BEND ANGLE			
	11 1/4°	22 1/2°	45°	90°
4	2	3	6	15
6	2	5	9	21
8	3	6	11	27
10	4	7	13	32
12	4	8	16	37
16	5	10	19	46
20	6	11	23	55
24	7	13	26	63

MINIMUM RESTRAINED LENGTH (L)

NOTES:

1. LENGTH OF RESTRAINT SHOWN IS IN FEET. PIPE DIA. IS IN INCHES.
2. WHERE LINES CONSIST OF BOTH DUCTILE IRON AND PVC WITHIN THE LIMITS OF REQUIRED RESTRAINT, LIMITS FOR PVC SHALL APPLY.
3. RESTRAINT DESIGN SHALL BE PROJECT SPECIFIC BASED ON THE GEOTECHNICAL REPORT.
4. INFORMATION IN THE TABLES ABOVE ARE BASED ON THE DESIGN INFORMATION SHOWN. THE ENGINEER SHALL PROVIDE AMENDED RESTRAINT LENGTHS IF SITE CONDITIONS DIFFER.

FORCE MAIN HORIZONTAL BEND RESTRAINT

STANDARD
 CONSTRUCTION
 DETAILS



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

SCALE: N.T.S.
 DATED: JAN 2017
 PLATE NUMBER:
 S4