



POLYETHYLENE WRAPPED  
DUCTILE IRON LINE

PIPE DIA.	L
4	58
6	82
8	107
10	128
12	151
16	193
20	234
24	273

PVC LINE

PIPE DIA.	L
4	39
6	55
8	72
10	87
12	102
16	131
20	159
24	185

MINIMUM RESTRAINED LENGTH (L)

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

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

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. FOR LINE STUBS (SEE DETAIL W34), THE LENGTH OF RESTRAINT (L) SHALL BE FROM THE VALVE AND NOT THE CAP.
4. INFORMATION IN THE TABLES ABOVE ARE BASED ON THE DESIGN INFORMATION SHOWN. THE ENGINEER SHALL PROVIDE AMENDED RESTRAINT LENGTHS IF SITE CONDITIONS DIFFER.

DEAD END RESTRAINT

STANDARD  
CONSTRUCTION  
DETAILS



SCALE: N.T.S.  
DATED: JAN 2017  
PLATE NUMBER:  
**W32**