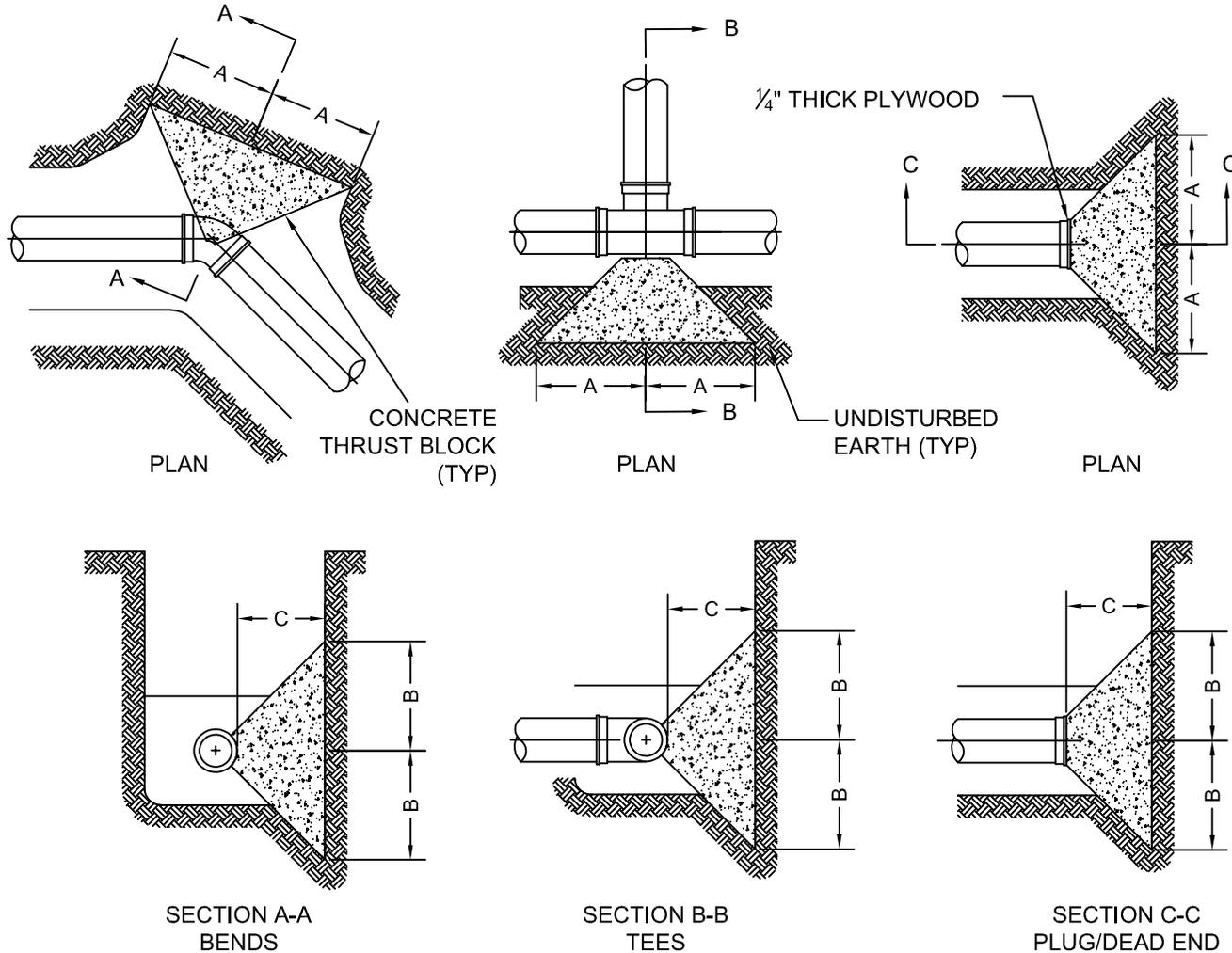


## WATERLINE THRUST BLOCK DETAILS



### NOTES

1. THE DESIGN BASIS FOR THE THRUST BLOCKS IS 150 PSI TEST PRESSURE PLUS AWWA WATER HAMMER
2. ALL BEARING SURFACES SHALL BE CARRIED TO UNDISTURBED EARTH. IN THE EVENT THIS IS NOT PRACTICAL, THE FILL BETWEEN THE BEARING SURFACE AND THE UNDISTURBED EARTH SHALL BE COMPACTED TO 90% STANDARD PROCTOR DENSITY.
3. C = 24" MINIMUM FOR WATERLINES 12" AND LARGER.  
C = 18" MINIMUM FOR WATERLINES 10" AND SMALLER.

THRUST BLOCK DIMENSIONS  
SOIL BEARING PRESSURE = 2000 PSF

WATERLINE SIZE (IN)	90 DEGREE BEND		45 DEGREE BEND		22.5 DEGREE BEND		TEES		PLUG/DEAD END	
	A (IN)	B (IN)	A (IN)	B (IN)	A (IN)	B (IN)	A (IN)	B (IN)	A (IN)	B (IN)
6	14	21	10	15	7	11	11	17	13	20
8	18	27	13	20	9	14	15	23	18	27
10	24	34	17	26	12	18	19	29	22	33
12	31	36	20	30	14	21	23	35	32	36
16	49	40	28	40	19	29	47	40	49	40
20	70	44	38	44	24	36	60	44	70	44

### THRUST BLOCK DETAILS

CITY OF BOWLING GREEN  
PUBLIC WORKS DEPARTMENT  
ENGINEERING DIVISION

STD DWG 6  
SH 3 OF 3  
REV 03/2019