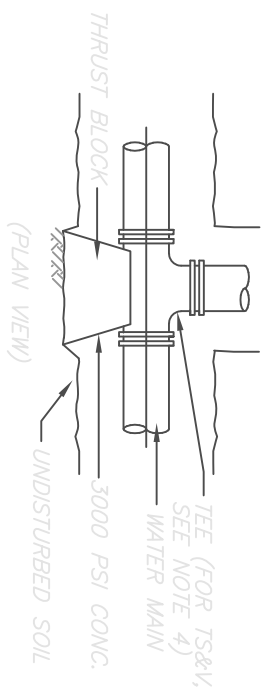


MINIMUM AREA OF BEARING FACE OF CONCRETE THRUST BLOCK (IN SQ.FT.) TO BE CALCULATED IN RELATIONSHIP TO BEARING CAPACITY OF SOIL BLOCKS TO BE POURED AGAINST UNDISTURBED SOIL

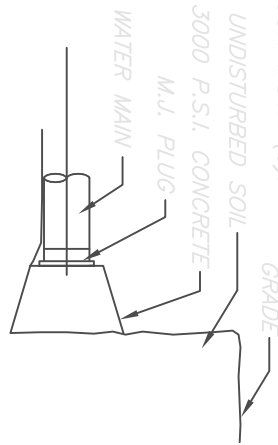
PIPE SIZE	90° BEND	45° BEND	22-1/2° BEND	11-1/4° BEND	TEE/T.S.&V	PLUG
4" 6"	6	3	3	3	4	5
8"	10	6	3	3	8	8
12"	19	7	4	3	10	16
16"	24	13	7	3	19	19

NOTES:

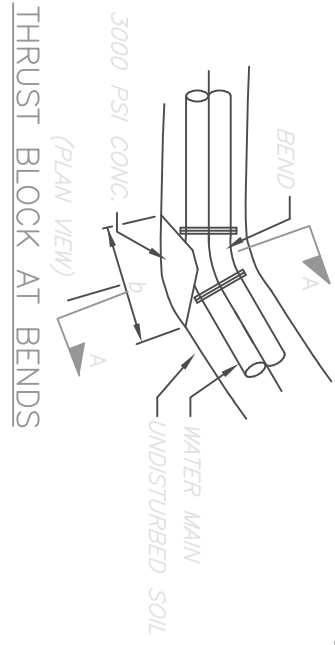
1. BLOCK HEIGHT (h) SHOULD BE EQUAL TO OR LESS THAN ONE-HALF THE TOTAL DEPTH TO THE BOTTOM OF THE BLOCK, (H1), BUT NOT LESS THAN PIPE DIAMETER (D).
2. BLOCK HEIGHT (h) SHOULD BE TWO TIMES THE BLOCK WIDTH (b).



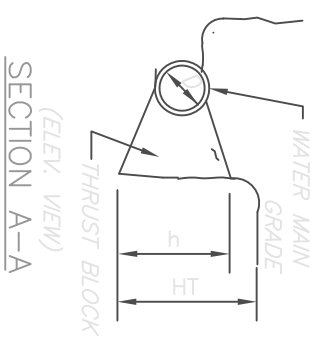
THRUST BLOCK FOR TEE  
(PLAN VIEW)



THRUST BLOCK FOR PLUG  
(ELEV. VIEW)



THRUST BLOCK AT BENDS  
(PLAN VIEW)



THRUST BLOCK FOR PLUG  
(ELEV. VIEW)  
SECTION A-A

- GENERAL NOTES
1. WRAP SOLID SLEEVE 6 MIL THICK POLYETHYLENE 2 FEET BEYOND FITTINGS.
  2. PIPE RESTRAINTS SHALL BE USED AT ALL CONNECTIONS.
  3. STAINLESS STEEL NUTS AND BOLTS SHALL BE USED AT ALL FITTINGS.

TYPICAL THRUST BLOCK DETAIL  
N.T.S.

ISSUE DATE: SEPTEMBER 2018

TOWN & VILLAGE OF ELLICOTTVILLE

REVISIONS	DATE	COMMENTS

EVL ENG DEPT.  
WATER - W-09

