



**SECTION A-A**

**NOTES:**

1. ALL CONCRETE SHALL BE PENNDOT CLASS A.
2. ALL REINFORCING STEEL SHALL BE DEFORMED BARS U-SHAPED AROUND PIPE.
3. ALL FITTINGS AND JOINTS SHALL BE COVERED WITH POLYETHYLENE FILM BEFORE PLACING CONCRETE.
4. PAINT ALL EXPOSED STEEL WITH TWO COATS OF VALDURA PAINT OR APPROVED EQUAL.

CONCRETE BLOCKING DIMENSIONS, VERTICAL THRUST UPWARD - 100 P.S.I. WORKING PRESSURE									
PIPE SIZE	LENGTH			WIDTH			DEPTH		
	11.25°	22.5°	45°	11.25°	22.5°	45°	11.25°	22.5°	45°
6" & 8"	3'	4'	6'	3'	4'	6'	3'	4'	6'
10" & 12"	3.5'	4'	7'	3.5'	4'	7'	3.5'	4'	7'
14" & 16"	4'	6'	9'	4'	6'	9'	4'	6'	9'
18" & 20"	5'	6.5'	11.5'	5'	6.5'	11.5'	5'	6.5'	11.5'
24"	5'	9'	12.5'	5'	9'	12.5'	5'	9'	12.5'

**TYPICAL SECTION  
VERTICAL THRUST UPWARD  
NOT TO SCALE**

REVISED 5/13/2025



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**UPWARD THRUST BLOCK**  
PREPARED FOR:  
**PERKASIE REGIONAL AUTHORITY**

DESIGNED BY:	JAR
CHECKED BY:	SRT
DATE:	4/08/96
DRAWING NO.	PRA-W07

M:\AUTHORITY CLIENTS\PERKASIE\WATER DETAILS\ALL PRA WATER DETAILS 2025.DWG PLOTTED: 7/27/2025 9:15:08 AM BY: TNA CARTER. PLOT STYLE: PENNONI NCS.STB. PROJECT STATUS: ---