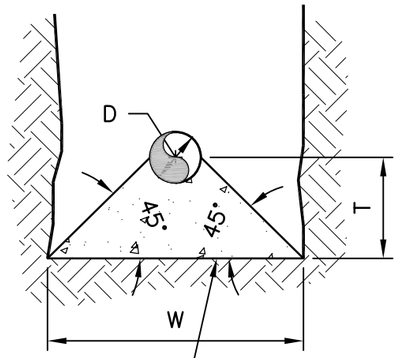
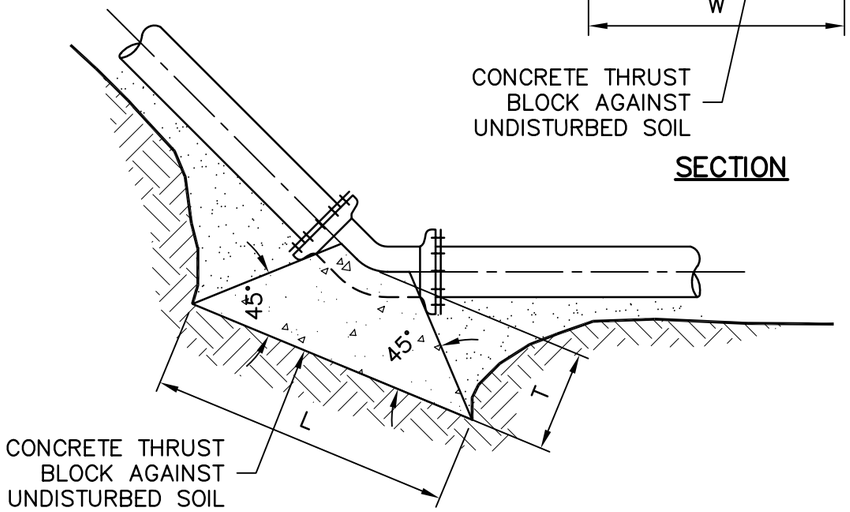
UPWARD VERTICAL BENDS				
D	BEARING AREA (S.F.)	"T"	"W"	"L"
≤8"	10	16"	32"	48"
10"	15	20"	38"	57"
12"	20	22"	44"	66"
16"	40	33"	62"	93"



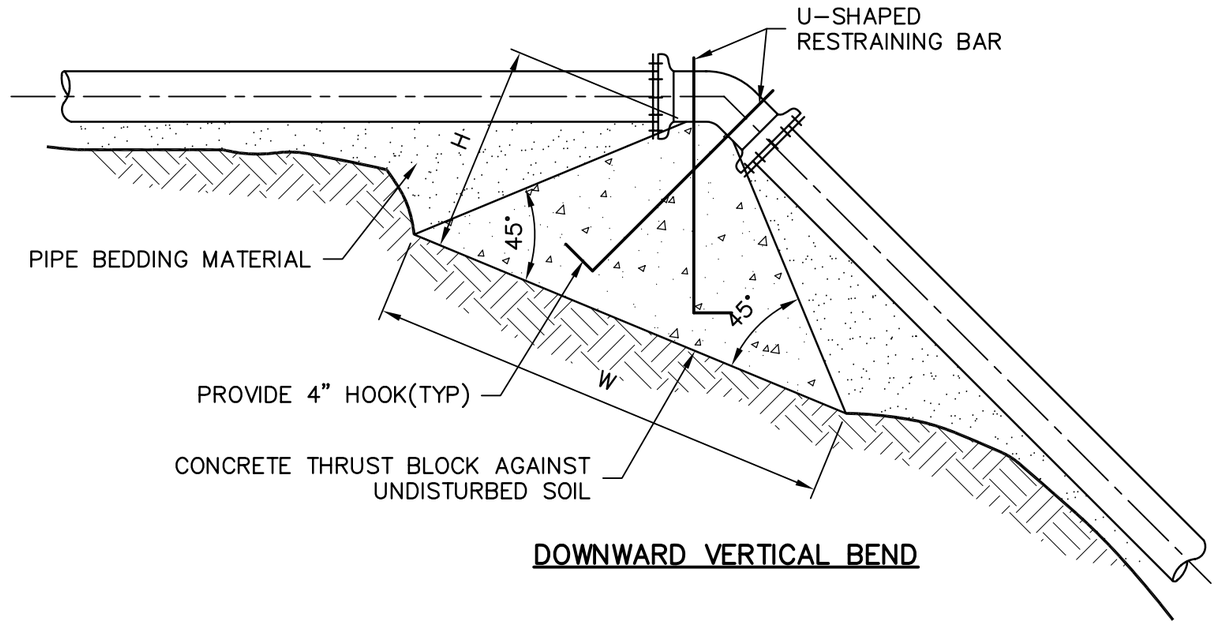
SECTION



UPWARD VERTICAL BEND

DOWNWARD VERTICAL BENDS							
D	VOLUME (C.F.)	BEARING AREA (S.F.)	"H"	"W"	"L"*	RESTRAINING BAR SIZE	BAR EMBEDMENT LENGTH
≤8"	47	5	33"	74"	60"	#4	15"
10"	71	8	41"	91"	60"	#5	19"
12"	100	10	48"	108"	60"	#6	24"
16"	174	18	64"	142"	60"	#7	29"

* "L" IS ASSUMED TO BE THE WIDTH OF THE TRENCH



DOWNWARD VERTICAL BEND

STANDARD NOTES:

1. THIS DETAIL APPLIES ONLY TO SANITARY SEWER FORCE MAINS. PROVIDE SUBMITTAL FOR REVIEW IF THRUST BLOCKS ARE BEING PROPOSED FOR WATER MAINS.
2. CONCRETE THRUST BLOCKS SHALL BE CONSTRUCTED OF CONCRETE MATERIAL POURED AGAINST UNDISTURBED SOIL.
3. DIMENSIONS L, W, & H MAY BE ADJUSTED TO MEET FIELD CONDITIONS, PROVIDED THE BEARING AREA AND VOLUME REMAIN UNCHANGED.
4. RESTRAINING BARS SHALL BE ASTM A615 GRADE 60 REINFORCING STEEL.
5. THE PORTION OF THE RESTRAINING BARS EXPOSED TO SOIL SHALL BE COATED WITH TWO COATS OF BITUMASTIC MATERIAL.
6. PROVIDE POLYETHYLENE BOND BREAKERS BETWEEN THE CONCRETE AND PIPE FITTINGS.
7. ALL BOLTS SHALL REMAIN FREE OF THE CONCRETE THRUST BLOCK.
8. THRUST BLOCKS SHALL BE USED IN ADDITION TO MECHANICAL RESTRAINTS.
9. REFER TO SECTION 03310 FOR CONCRETE REQUIREMENTS.

Water Pollution Control Authority
Town of Canton

4 Market Street
P.O. Box 168
Collinsville, Connecticut 06022

SEWER CONSTRUCTION DETAIL

SANITARY SEWER FORCE MAIN
CONCRETE THRUST BLOCKS
FOR VERTICAL BENDS

NO SCALE

LATEST REVISION: 2/07 | NO. 022

C0544\STANDARDS\VERTTHBLOCK