



NOTE:

1. BLOCKING TO BE CENTERED ON BEND HORIZONTALLY.
2. ALL CONCRETE TO BE FILL CONCRETE.
3. L & W & H DIMENSIONS ARE IN INCHES.
4. BLOCKING DESIGN BASED ON A WORKING PRESSURE OF 125 PSI AND A SOIL BEARING OF 3000 LB./SQ. FT.

| SIZE OF PIPE | DEGREE OF BEND | | | | | | | | | | | |
|--------------|----------------|----|----|---------|----|----|-----|----|----|-----|-----|----|
| | 11 1/4° | | | 22 1/2° | | | 45° | | | 90° | | |
| | L | W | H | L | W | H | L | W | H | L | W | H |
| 3" | 12 | 18 | 15 | 13 | 24 | 15 | 18 | 30 | 16 | 25 | 30 | 20 |
| 4" | 13 | 24 | 16 | 16 | 30 | 16 | 25 | 30 | 20 | 27 | 40 | 24 |
| 6" | 15 | 36 | 18 | 27 | 36 | 18 | 30 | 44 | 24 | 36 | 45 | 36 |
| 8" | 20 | 40 | 20 | 28 | 48 | 22 | 34 | 50 | 34 | 43 | 58 | 42 |
| 10" | 24 | 44 | 22 | 32 | 54 | 27 | 40 | 55 | 40 | 51 | 64 | 50 |
| 12" | 32 | 48 | 24 | 36 | 60 | 30 | 46 | 60 | 46 | 60 | 66 | 59 |
| 14" | 34 | 54 | 26 | 40 | 60 | 38 | 54 | 60 | 53 | 66 | 73 | 66 |
| 16" | 35 | 60 | 30 | 42 | 66 | 42 | 59 | 66 | 58 | 72 | 80 | 72 |
| 18" | 36 | 66 | 32 | 48 | 66 | 46 | 66 | 66 | 65 | 75 | 94 | 74 |
| 20" | 38 | 70 | 36 | 54 | 66 | 50 | 68 | 76 | 68 | 78 | 106 | 78 |
| 24" | 42 | 72 | 44 | 60 | 72 | 60 | 78 | 84 | 77 | 90 | 114 | 90 |

CITY OF NEW PHILADELPHIA

THRUST BLOCKING DETAILS VERTICAL BENDS

STANDARD
CONSTRUCTION
DRAWING NO.

SD-101

REV. 6-92