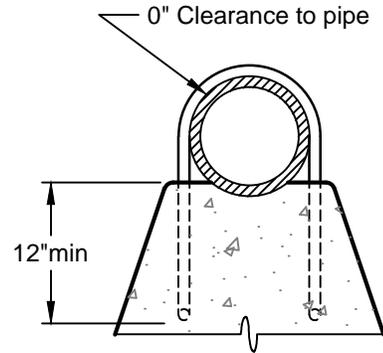


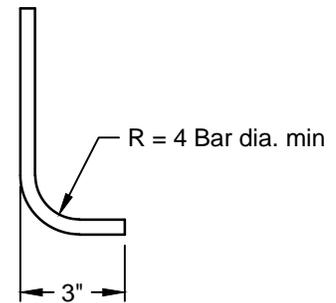
SIDE VIEW

NOTES:

1. Base dimensions (b) and height (h) to be approximately equal.
2. Use 5-sack cement concrete. Calcium chloride admixture not allowed.
3. Do not exceed calculated block size by more than 10% .
4. Wrap fittings in 6-mil plastic sheeting. Concrete shall not interfere with flange bolt removal.
5. Block size determined by $B_v = T/W_c$
Where :
 B_v = Volume in cubic feet
 T = Vertical force element = $PA \sin Q$
 W_c = Weight per cubic foot of concrete (150 lb./cu. ft.)
 P = Test pressure at block elevation (psi)
 A = Cross-sectional area of pipe (sq. in.)
 Q = Fitting angle $Q = 45$ degrees,
or $Q = 22.5$ degrees.



HOOP DETAILS



BAR BENDING DIAGRAM

P:\Engr & CAD\STANDARD DWGS - ALL YEARS\Std Dwgs 2014\Thrust Block - Gravity 18.dwg

DRR

GRAVITY THRUST BLOCK DESIGN

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CITY OF PULLMAN
ENGINEERING DIVISION

ADOPTED: 12-09-2014