

DIMENSIONS OF CONCRETE BLOCKING FOR VERTICAL BENDS WITH AN UPWARD THRUST

PIPE SIZES	6" AND 8"		10" AND 12"		14" AND 16"		18" AND 20"		24"						
	11 1/4'	22 1/2'	45'	11 1/4'	22 1/2'	45'	11 1/4'	22 1/2'	45'	11 1/4'	22 1/2'	45'			
DEGREE BEND OR DEFLECTION	11 1/4'	22 1/2'	45'	11 1/4'	22 1/2'	45'	11 1/4'	22 1/2'	45'	11 1/4'	22 1/2'	45'			
LENGTH	3'	4'	6'	4.5'	6.0'	8.0'	6'	8'	11'	7'	9'	13'	7'	10'	14'
WIDTH	3'	3'	3'	3'	3'	4'	3.5'	3.5'	5'	4'	5'	5.5'	5'	6'	7'
DEPTH	2'	3'	4'	3'	4.5'	5'	3.5'	3.5'	5'	4'	5'	6'	5'	6'	7'
SQ. IN. REBAR	0.15	0.28	0.57	0.33	0.66	1.30	0.60	1.18	2.31	0.92	1.84	3.61	1.36	2.7	5.2
MASS CONCRETE CU. YD.	0.66	1.33	2.66	1.5	3.0	5.9	2.7	5.2	10.2	4.1	8.3	15.8	6.7	13.3	25.7

PIPE SIZES	30"		36"		42"		48"		54"						
	11 1/4'	22 1/2'	45'	11 1/4'	22 1/2'	45'	11 1/4'	22 1/2'	45'	11 1/4'	22 1/2'	45'			
DEGREE BEND OR DEFLECTION	11 1/4'	22 1/2'	45'	11 1/4'	22 1/2'	45'	11 1/4'	22 1/2'	45'	11 1/4'	22 1/2'	45'			
LENGTH	8'	10'	15'	9'	12'	17.5'	10'	15'	19'	13'	17'	21.5'	15'	18'	24'
WIDTH	6'	8'	8.5'	7'	8.5'	10'	8'	8.5'	12'	8'	9.5'	13'	8'	10'	14'
DEPTH	6'	7'	8.5'	6.5'	8'	9'	7'	8.5'	9.5'	7'	9'	10'	8'	10'	11'
SQ. IN. REBAR	2.13	4.14	8.1	3.06	5.96	11.7	4.16	8.1	16.0	5.44	10.6	21.0	6.9	13.4	26.3
MASS CONCRETE CU. YD.	10.5	20.4	40.0	15.1	29.4	57.8	20.6	40	79	26.9	52.3	103.7	34.1	66.2	130

REINFORCING

BAR NO.	CROSS SECTION IN ² PER BAR	VERTICAL IMBEDMENT
5	0.31	15 IN.
6	0.44	19 IN.
7	0.60	26 IN.
8	0.79	35 IN.
9	1.00	44 IN.
10	1.27	56 IN.
11	1.56	68 IN.



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**SCOTT TOWNSHIP AUTHORITY
STANDARD DETAILS**

COLUMBIA COUNTY

PENNSYLVANIA

PROJ. MGR. - JJM
DESIGN - WOR
CADD - RSF
CHECKED -
SCALE - N.T.S.
DATE - OCT. 2011

DETAIL NO. D25
SHEET NO. 5 OF 5
PROJECT 005755.0426

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