

DIMENSIONS FOR REINFORCED CONCRETE SINGLE PIPE HEADWALL WITH WING WALLS

PIPE SIZE	SHELL THICKNESS	WALL THICKNESS	SLAB THICKNESS	A	B	C	D	E	F	G	H	I	J	K	L
15"	2-1/4"	8"	6"	4'-10"	9'-4"	3'-7"	4'-2"	1'-0"	1'-6"	3'-8"	6"	5'-8"	2'-7"	1'-0"	5'-2"
18"	2-1/2"	8"	6"	5'-5"	10'-5"	3'-11"	4'-11"	1'-0"	1'-6"	4'-5"	6"	6'-3"	2'-11"	1'-0"	5'-6"
24"	3"	8"	6"	6'-4"	12'-4"	4'-6"	6'-3"	1'-0"	1'-6"	5'-9"	6"	7'-5"	3'-6"	1'-0"	6'-1"
30"	3-1/2"	8"	6"	7'-3"	14'-3"	5'-1"	7'-7"	1'-0"	1'-6"	7'-1"	6"	8'-7"	4'-1"	1'-0"	6'-8"
36"	4"	8"	6"	7'-5"	15'-1"	5'-8"	7'-10"	1'-6"	2'-0"	7'-4"	6"	9'-4"	4'-8"	1'-6"	7'-3"
42"	4-1/2"	8"	6"	8'-4"	17'-0"	6'-3"	9'-2"	1'-6"	2'-0"	8'-8"	6"	10'-6"	5'-3"	1'-6"	7'-10"
48"	5"	8"	6"	9'-4"	18'-11"	6'-10"	10'-6"	1'-6"	2'-0"	10'-0"	6"	11'-7"	5'-10"	1'-6"	8'-5"
54"	5-1/2"	8"	6"	10'-1"	19'-9"	7'-5"	10'-9"	1'-6"	2'-0"	10'-3"	8"	11'-10"	6'-5"	2'-0"	9'-0"
60"	6"	12"	6"	10'-10"	22'-5"	8'-0"	12'-1"	2'-0"	2'-6"	11'-7"	8"	14'-0"	7'-0"	2'-0"	10'-4"
66"	6-1/2"	12"	8"	11'-9"	24'-4"	8'-7"	13'-5"	2'-0"	2'-6"	12'-11"	8"	15'-2"	7'-7"	2'-0"	10'-11"
72"	7"	12"	8"	12'-5"	25'-1"	9'-2"	13'-7"	2'-0"	2'-6"	13'-1"	8"	15'-3"	8'-2"	2'-6"	11'-6"
78"	7-1/2"	12"	8"	13'-4"	27'-0"	9'-9"	14'-11"	2'-0"	2'-6"	14'-5"	8"	16'-5"	8'-9"	2'-6"	12'-1"
84"	8"	12"	8"	13'-11"	27'-9"	10'-4"	15'-1"	2'-0"	2'-6"	14'-7"	8"	16'-7"	9'-4"	3'-0"	12'-8"
90"	8-1/2"	12"	8"	14'-10"	29'-9"	10'-11"	16'-6"	2'-0"	2'-6"	16'-0"	8"	17'-10"	9'-11"	3'-0"	13'-3"
96"	9"	12"	10"	15'-10"	30'-6"	11'-6"	16'-8"	2'-0"	2'-6"	16'-2"	12"	17'-11"	10'-6"	3'-6"	13'-10"
102"	9-1/2"	14"	10"	16'-11"	32'-10"	12'-1"	18'-0"	2'-0"	2'-6"	17'-6"	12"	19'-4"	11'-1"	3'-6"	14'-10"
108"	10"	14"	10"	17'-6"	33'-8"	12'-8"	18'-3"	2'-0"	2'-6"	17'-9"	12"	19'-7"	11'-8"	4'-0"	15'-5"
114"	10-1/2"	16"	10"	18'-5"	35'-10"	13'-3"	19'-7"	2'-0"	2'-6"	19'-1"	12"	21'-0"	12'-3"	4'-0"	16'-3"
120"	11"	16"	10"	19'-5"	37'-10"	13'-10"	20'-11"	2'-0"	2'-6"	20'-0"	12"	22'-2"	12'-10"	4'-0"	16'-11"

CONCRETE DOUBLE PIPE HEADWALL

A	B	C	L
8'-6"	13'-0"	7'-3"	8'-9"
9'-4"	14'-4"	7'-10"	9'-5"
10'-10"	16'-10"	9'-0"	10'-7"
12'-4"	19'-4"	9'-2"	11'-9"
13'-1"	20'-9"	11'-4"	12'-11"
14'-7"	23'-3"	12'-6"	14'-1"
16'-2"	25'-9"	13'-8"	15'-3"
17'-6"	27'-2"	14'-10"	16'-5"
18'-10"	30'-5"	16'-0"	18'-4"
20'-4"	32'-11"	17'-2"	19'-6"
21'-7"	34'-3"	18'-4"	20'-8"
23'-1"	36'-9"	19'-6"	21'-10"
24'-9"	38'-1"	20'-8"	23'-0"
25'-9"	40'-8"	21'-10"	24'-2"
27'-4"	42'-0"	23'-0"	25'-4"
29'-0"	44'-11"	24'-2"	26'-11"
30'-2"	46'-4"	25'-4"	28'-1"
31'-8"	49'-1"	28'-6"	29'-6"
33'-3"	51'-8"	27'-8"	30'-9"

NOTE:

- 1) REFER TO DETAIL SD-1E FOR SINGLE AND DOUBLE PIPE HEADWALL REINFORCING SCHEDULE.
- 2) SEE DOUBLE PIPE HEADWALL DIMENSIONS FOR A, B, C, & L, ALL OTHER DIMENSIONS REMAIN THE SAME FOR EITHER DOUBLE OR SINGLE PIPE.
- 3) ALLOW 2' BETWEEN PIPES FOR DOUBLE HEADWALL.



" NOT TO SCALE "



DATE: 02/2017

TOWN OF CHAPEL HILL
STANDARD DETAIL

REVISIONS

REINFORCED
CONCRETE
HEADWALL

SW-1.05