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"	2¼"	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"	2½"	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"	3½"	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"	4½"	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"	5½"	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"	6½"	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"	7½"	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"	8½"	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"	9½"	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"	10½"	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 PIPE HEADWALL.

TITLE
REINFORCED CONCRETE HEADWALL

REVISIONS		
NO	DATE	BY

ENGINEERING DEPARTMENT

STANDARD DETAILS

DET.NO.
SD-1D
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