

SINGLE-PIPE HEADWALL

PIPE SIZE	BACK FACE		SLAB REINFORCEMENT	FRONT FACE	CUBIC YARDS OF CONCRETE
	WALL REINFORCEMENT			TEMP REINF IN FRONT FACE OF WALLS OR COMPRESSION STEEL	
	HOR.	VERT.			
15"	#3 @ 12" O.C.	#3 @ 12" O.C.	6-6 X 10-10 WIRE MESH REINF.	#4 @ 18" HOR. AND VERT.	1.61
18"	"	"	"	"	1.96
24"	"	"	"	"	2.67
30"	"	"	"	"	3.49
36"	"	"	"	"	4.21
42"	"	"	"	"	4.90
48"	"	"	"	"	6.33
54"	"	#4 @ 12" O.C.	"	"	7.23
60"	"	"	"	"	11.25
66"	#4 @ 12" O.C.	"	6-6 X 6-6 WIRE MESH REINF.	"	14.67
72"	"	"	"	"	15.75
78"	"	"	"	#4 @ 12" HOR. AND VERT.	18.04
84"	"	#5 @ 12" O.C.	"	"	19.32
90"	"	"	"	"	21.92
96"	#5 @ 12" O.C.	6 @ 12" O.C.	"	"	26.38
102"	"	6 @ 10" O.C.	"	"	32.26
108"	"	"	"	"	34.21
114"	"	8 @ 12" O.C.	"	"	40.78
120"	"	"	"	"	44.97

DOUBLE-PIPE HEADWALL

				CUBIC YARDS OF CONCRETE
A	B	C	L	
8'-6"	13'-0"	7'-3"	8'-9"	2.24
9'-4"	14'-4"	7'-10"	9'-5"	2.70
10'-10"	16'-10"	9'-0"	10'-7"	3.64
12'-4"	19'-4"	9'-2"	11'-9"	4.72
13'-1"	20'-9"	11'-4"	12'-11"	5.75
14'-7"	23'-3"	12'-6"	14'-1"	7.05
16'-2"	25'-9"	13'-8"	15'-3"	8.52
17'-6"	27'-2"	14'-10"	16'-5"	9.74
18'-10"	30'-5"	16'-0"	18'-4"	14.74
20'-4"	32'-11"	17'-2"	19'-6"	19.44
21'-7"	34'-3"	18'-4"	20'-8"	20.96
23'-1"	36'-9"	19'-6"	21'-10"	23.89
24'-3"	38'-1"	20'-8"	23'-0"	25.59
25'-9"	40'-8"	21'-10"	24'-2"	28.95
27'-4"	42'-0"	23'-0"	25'-4"	35.30
29'-0"	44'-11"	24'-2"	26'-11"	42.53
30'-2"	46'-4"	25'-4"	28'-1"	45.15
31'-8"	49'-1"	26'-6"	29'-6"	53.26
33'-3"	51'-8"	27'-8"	30'-9"	58.59

NOTE: (1) ALL DIMENSIONS FOR A DOUBLE PIPE H.W. ARE SAME AS SINGLE PIPE H.W. EXCEPT AS SHOWN ABOVE.
 (2) THE DISTANCE BETWEEN PIPES IN A DOUBLE PIPE H.W. IS 2 FT.

REVISED	F.B.	PG.	DATE: 4-22-74
			SCALE: NONE
			DRAWN BY: RMN
			CHECKED BY: NBM
			CITY ENGINEER: FRW

STANDARD DETAIL

DIMENSIONS FOR SINGLE AND DOUBLE PIPE HEADWALLS WITH WING WALLS

OFFICE OF THE
CITY ENGINEER
GASTONIA, N.C.

FILE NO. **71C-19**