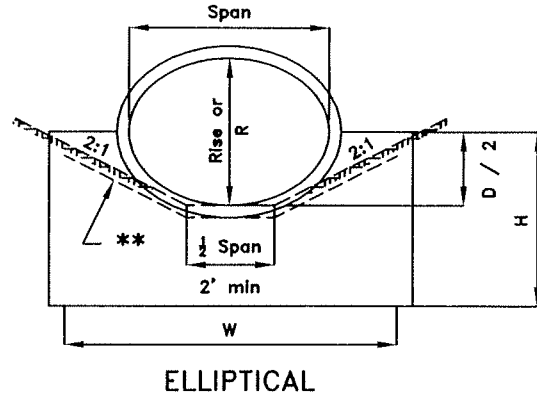
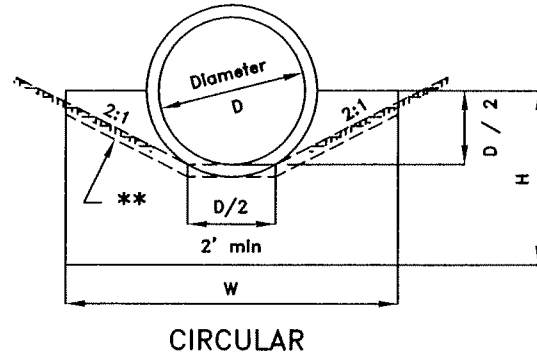


**Top Surface of 6" Inlet headwall extension



NOTE:

CONCRETE FOR HEADWALLS SHALL BE CLASS C.

FOR CHANNEL PROTECTION DETAIL, SEE STANDARD CONSTRUCTION DRAWING D-3

CIRCULAR					ELLIPTICAL					
D	W	H	T	Conc. Cu. Yards	Span	Rise	W	H	T	Conc. Cu. Yards
12"	2' 0"	3' 0"	12"	.20						
15"	2' 6"	3' 2"	12"	.25						
18"	3' 0"	3' 3"	12"	.31	23"	14"	3' 5"	3' 2"	12"	.33
21"	3' 6"	3' 4"	12"	.37						
24"	4' 0"	3' 6"	12"	.43	30"	19"	4' 2"	3' 4"	12"	.42
27"	4' 6"	3' 8"	12"	.49	34"	22"	4' 7"	3' 5"	12"	.46
30"	5' 0"	3' 9"	12"	.56	38"	24"	5' 0"	3' 6"	12"	.50
33"	5' 6"	3' 10"	12"	.62	42"	27"	5' 5"	3' 7"	12"	.55
36"	6' 0"	4' 0"	12"	.69	45"	29"	5' 10"	3' 8"	12"	.59
39"	6' 6"	4' 2"	12"	.77	49"	32"	6' 6"	3' 10"	12"	.67
42"	7' 0"	4' 3"	12"	.84	53"	34"	7' 2"	4' 0"	14"	.82
48"	8' 0"	4' 6"	14"	1.09	60"	38"	8' 5"	4' 2"	14"	1.01
54"	9' 3"	4' 9"	14"	1.32	68"	43"	9' 8"	4' 4"	16"	1.32
60"	10' 6"	5' 6"	16"	1.93	76"	48"	11' 0"	5' 0"	16"	1.79
66"	11' 9"	5' 9"	18"	2.42	83"	53"	12' 4"	5' 2"	18"	2.23
72"	13' 0"	6' 0"	18"	2.77	91"	58"	13' 7"	5' 5"	18"	2.53
78"	14' 3"	6' 3"	20"	3.37	98"	63"	14' 10"	5' 7"	20"	3.07
84"	15' 6"	6' 6"	22"	4.05	106"	68"	16' 2"	5' 10"	20"	3.42
90"	16' 9"	6' 9"	22"	4.51	113"	72"	17' 6"	6' 0"	22"	4.05
96"	18' 0"	7' 0"	24"	5.31						
102"	19' 3"	7' 3"	26"	6.20						
108"	20' 6"	7' 6"	26"	6.78						
114"	21' 9"	7' 9"	28"	7.81						
120"	23' 0"	8' 0"	30"	8.93						

APPROVED 6-27-07

Brad Fagrell
CITY ENGINEER

REVISED: 21 JUN 07

CRADLE TYPE
HEADWALL
FOR CONCRETE PIPE
(O.D.O.T HW-4)

CITY OF LANCASTER, OHIO
DEPARTMENT OF ENGINEERING

STANDARD
CONSTRUCTION DRAWING

DWG. BY: BIC
CHK'D BY: *DDK*

FILE NUMBER
D-2

PREVIOUSLY 021A1