

NOTES:

SSES MANAGER

- 1. HEADWALL WHERE REQUIRED WILL BE PROVIDED FOR NONSKEWED CULVERTS HAVING A DIAMETER OR RISE OF 36" OR LESS.
- 2. REINFORCING STEEL SHALL BE #5 BAR.
- 3. DIMENSIONS AND QUANTITIES ARE SHOWN FOR CIRCULAR SECTIONS ONLY. CALCULATE REINFORCEMENT FOR ELLIPTICAL CONCRETE OR CORRUGATED PIPE IN ACCORDANCE WITH EQUATIONS LISTED BELOW.
- 4. CONCRETE SHALL BE CLASS "C".
- 5. THE SOIL MUST HAVE A BEARING CAPACITY OF 2600 PSF PRIOR TO PLACING HEADWALL.

DIMENSIONS		
DIAMETER	Н	L
8"~15"	6'-0"	8'-4"
18"	6'-0"	8'-4"
21"	6'-0"	11'-0"
24"	6'-0"	11'-0"
30"	7'-0"	13'-8"
36"	7'-0"	16'-4"

LEGEND

D = DIAMETER OF PIPE
R = RISE OF PIPE
S = SPAN OF PIPE
t = THICKNESS OF BARREL
L = LENGTH OF HEADWALL
H = HEIGHT OF HEADWALL

EQUATIONS:

L CIRCULAR SECTIONS
L ELIPTICAL OR PIPE ARCH
H CIRCULAR SECTIONS
H ELLIPTICAL OR PIPE ARCH

CITY OF COLUMBUS, OHIO DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE & DRAINAGE

PRECAST PIPE CULVERT
HEADWALLS
8" TO 36" DIAMETER

STANDARD DRAWING AA-S168

= 5D+4t

= 4R+t+S

= D+t+44"

= R+t+44"

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DIVISION OF SEWERAGE & DRAINAGE