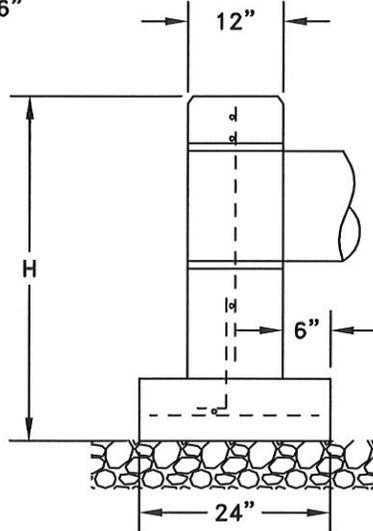


USE 6" BEDDING
CONFORMING TO CMSL
901.11 AND EXCEED
FOOTER DIMENSIONS BY 6"

ELEVATION



NOTES:

1. HEADWALL WHERE REQUIRED WILL BE PROVIDED FOR NONSKewed CULVERTS HAVING A DIA. OR RISE OF 36" OR LESS.
2. CONCRETE SHALL BE CLASS QC1.
3. REINFORCING STEEL BARS SHALL BE #5 BAR.
4. DIMENSIONS AND QUANTITIES ARE SHOWN FOR CIRCULAR SECTIONS ONLY. CALCULATE REINFORCEMENT FOR ELLIPTICAL CONCRETE OR CORRUGATED PIPE IN ACCORDANCE WITH EQUATIONS LISTED BELOW.
5. CHAMFER ALL EXPOSED CORNERS $\frac{3}{4}$ ".
6. FOUNDATION: THE SOIL MUST HAVE A BEARING CAPACITY OF 2600 PSF PRIOR TO PLACING HEADWALL.

DIMENSIONS		
DIAMETER	H	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"

$L = \text{CIRCULAR SECTION} = 5D + 4T$
 $L = \text{ELLIPTICAL OR PIPE~ARCH} = 4R + T + S$
 $H = \text{CIRCULAR SECTIONS} = D + T + 44"$
 $H = \text{ELLIPTICAL OR PIPE~ARCH} = R + T + 44"$
 $D = \text{DIAMETER OF PIPE}$
 $R = \text{RISE OF PIPE}$
 $S = \text{SPAN OF PIPE}$
 $T = \text{THICKNESS OF BARREL}$
 $L = \text{LENGTH OF HEADWALL}$
 $H = \text{HEIGHT OF HEADWALL}$

APPROVED 7-13-20
Mital Nohel
CITY ENGINEER

REVISED: 13 JUL 20

PRECAST
PIPE HEADWALL
8" TO 36" DIAMETER

CITY OF LANCASTER, OHIO
DEPARTMENT OF ENGINEERING

STANDARD
CONSTRUCTION DRAWING

DWG. BY: ADH
CHK'D BY: MN

FILE NUMBER
D-3