

## NOTES:

- 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.
- 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 = 5D+4t L ELIPTICAL OR PIPE ARCH = 4R+t+S H CIRCULAR SECTIONS = D+t+44" H ELLIPTICAL OR PIPE ARCH = R+t+44"

Date: 3/14/2018 Standard Construction Drawing



Precast Pipe Culvert Headwall 8" to 36" Diameter

Drawing No.

**STS-09**