

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".

DIMENSIONS

- 5. FOUNDATION: INCREASE WIDTH OF BASE WHERE SOIL BORINGS INDICATE A BEARING CAPACITY LESS THAN 2600 LBS. PER SQ. FT. IT WILL BE NECESSARY TO INCREASE THE WIDTH OF THE BASE.
- 6. WHEN SLOPES OTHER THAN 2:1 ARE USED ADJUST LENGHT "L" AND HEIGHT "H" AS REQUIRED.

QUANTITIES*

DIAMETER	н	L	CONCRETE CU. YD.	REINF. STEEL LBS.	<u>LEGEND</u>	F	FOLIATIONS		
8"~12"	4'-9"	5'-8"	1.3	32	D = DIAMETER OF PIPE	QUATIONS:			
15"	5'-2"	7'-0"	1.7	41	D = DIAMETER OF PIPE R = RISE OF PIPE	L CIRCULAR SECTI			
18"	5'-5"	8'-4"	2.2	57	S = SPAN OF PIPE	L ELIPTICAL OR PI H CIRCULAR SECTI			
21"	5'-8"	9'-8"	2.8	62	t = THICKNESS OF BARREL L = LENGTH OF HEADWALL	TIONS = D+t+44" PIPE ARCH = R+t+44"			
24"	5'-11"	11'-0"	3.3	69	H = HEIGHT OF HEADWALL				
30"	6'-5"	13'-8"	4.7	92					
36"	7'-0"	16'-4"	6.5	105	* ONE WALL				
CITY OF COLUMBUS, OHIO DEPARTMENT OF PUBLIC UTILITIES DIVISION OF SEWERAGE & DRAINAGE					CAST-IN-PLACE PIPE HEADWALLS 8" TO 36" DIAMETER		standard drawing AA—S166		
hat I sleup on							REVISED 7/9/12		

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