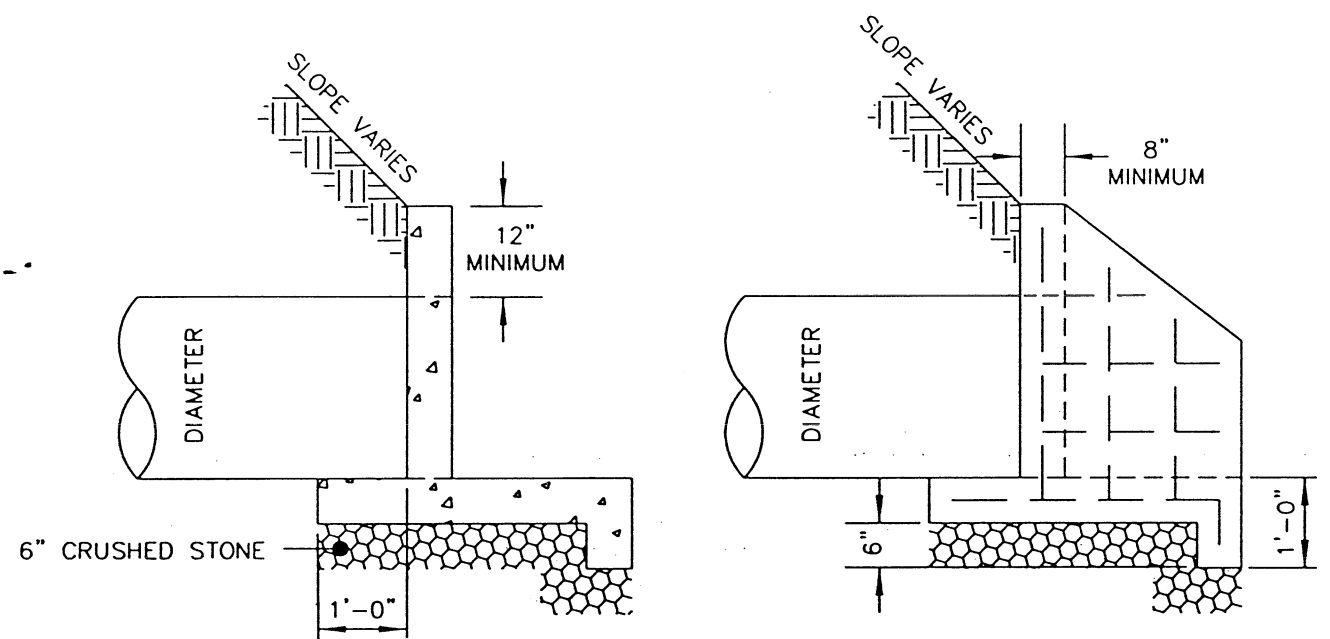
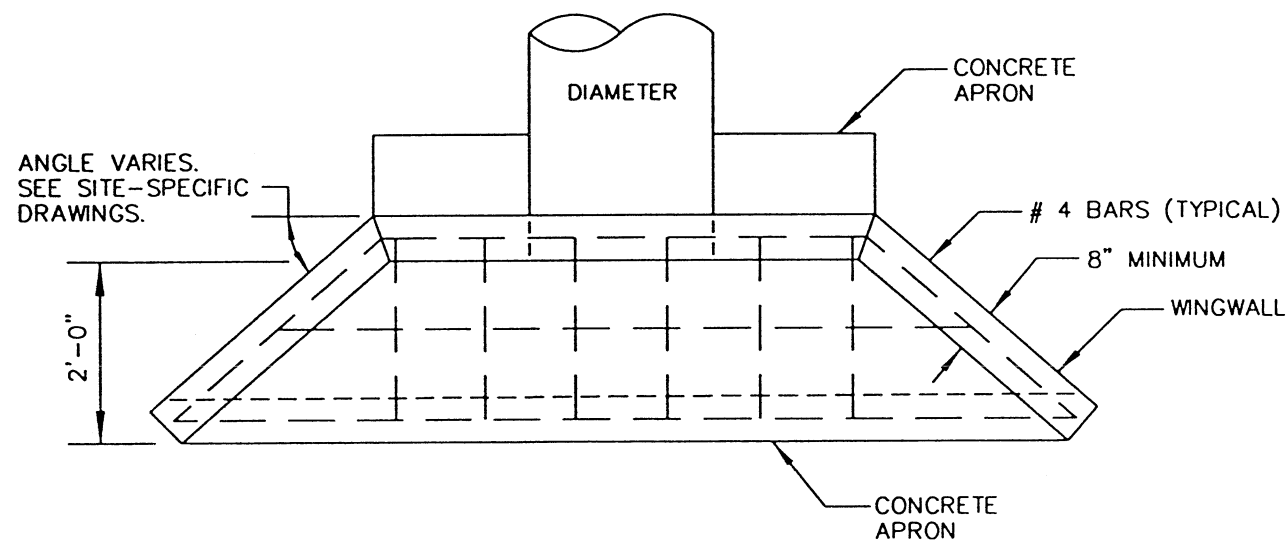


**FRONT VIEW**



**CROSS SECTION**



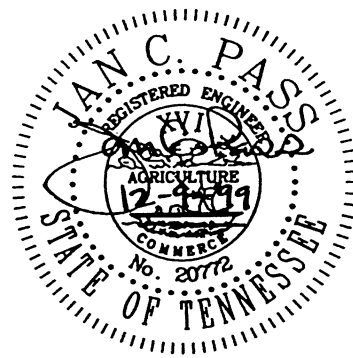
**PLAN**

PIPE SIZE CHART *				
DIAMETER	15"	18"	24"	30"
HEIGHT	2'-9"	3'-0"	3'-6"	4'-0"
WIDTH	4'-3"	4'-6"	5'-0"	5'-6"

\* ALL DIMENSIONS SHOWN ARE MINIMUMS.

**NOTES**

1. IF CONDITIONS REQUIRE ANY VARIATION IN THE SIZE OF A WINGWALL, IT MUST FIRST BE APPROVED BY THE GOVERNMENTAL ENGINEER BEFORE CONSTRUCTION BEGINS.
2. ALL REINFORCING STEEL SHALL HAVE A 2" (MINIMUM) CONCRETE COVER.
3. SEE PIPE SIZE CHART FOR DIMENSIONS ASSOCIATED WITH PIPE DIAMETERS.
4. A 1" CHAMFER SHALL BE USED ON EACH EXPOSED EDGE AND CORNER.
5. #4 BARS (TYPICAL) SHALL BE @ 1'-0" C.C. EACH WAY IN THE CENTER OF SLABS AND WALLS.



0	INITIAL ISSUE	12/10/99
NO.	REVISION	DATE

**CITY OF CHATTANOOGA AND HAMILTON COUNTY**  
**CONCRETE ENDWALL (TYPE "W")**

DATE OF ORIGINAL ISSUE  
**DECEMBER 10, 1999**

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