CITY OF NEW HAVEN
DEPARTMENT OF ENGINEERING

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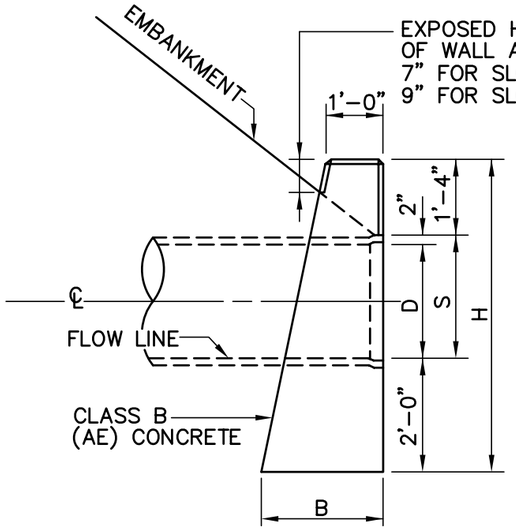
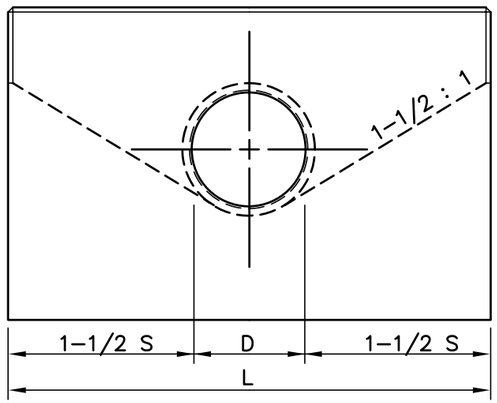
CITY ENGINEER

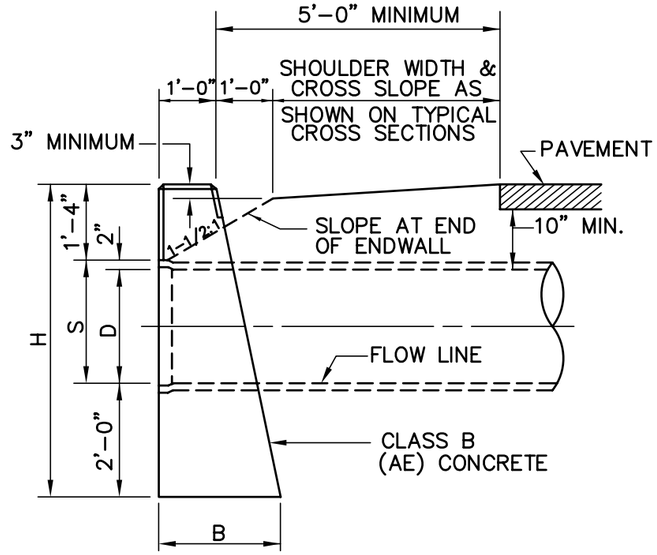
DRIVE: K:\ENGINEER\DWG
FILE: CITYSTD\DETAILS\2009 DETAILS
DATE: DEC. 1, 2009
DRAWING NO.: **STD-NH-21**



WALL AT FOOT OF SLOPE



FRONT ELEVATION



WALL AT SHOULDER

H = TOTAL HEIGHT OF ENDWALL
B = BASE
D = INSIDE DIAMETER OF PIPE
S = HEIGHT OF SLOPE ABOVE FLOW LINE AT FACE OF WALL = MINIMUM = D+2"
L = LENGTH OF WALL = 3 S + D

ALL EDGES OF EXPOSED SURFACES TO BE CHAMFERED ONE INCH

DIMENSIONS & QUANTITIES FOR ONE ENDWALL BASED ON S = D + 2"

D	S	H	L	Batter	B	Vol.
Ins.	Ft. & In.	Ft. & In.	Ft. & In.	Ins./Ft.	Ft. & In.	Cu. Yd.
12	1'-2"	4'-6"	4'-6"	2½"	1'-11¼"	1.10
15	1'-5"	4'-9"	5'-6"	2½"	1'-11⅞"	1.45
18	1'-8"	5'-0"	6'-6"	2½"	2'-0½"	1.83
24	2'-2"	5'-6"	8'-6"	2½"	2'-1¾"	2.72
30	2'-8"	6'-0"	10'-6"	2½"	2'-3"	3.79
36	3'-2"	6'-6"	12'-6"	3"	2'-7½"	5.45
42	3'-8"	7'-0"	14'-6"	3"	2'-9"	6.40
48	4'-2"	7'-6"	16'-6"	3"	2'-10½"	8.00

VOLUME BASED ON "D" AND WALL THICKNESS AT ℄ OF PIPE DEDUCTION.

STANDARD ENDWALL DETAILS

NO SCALE