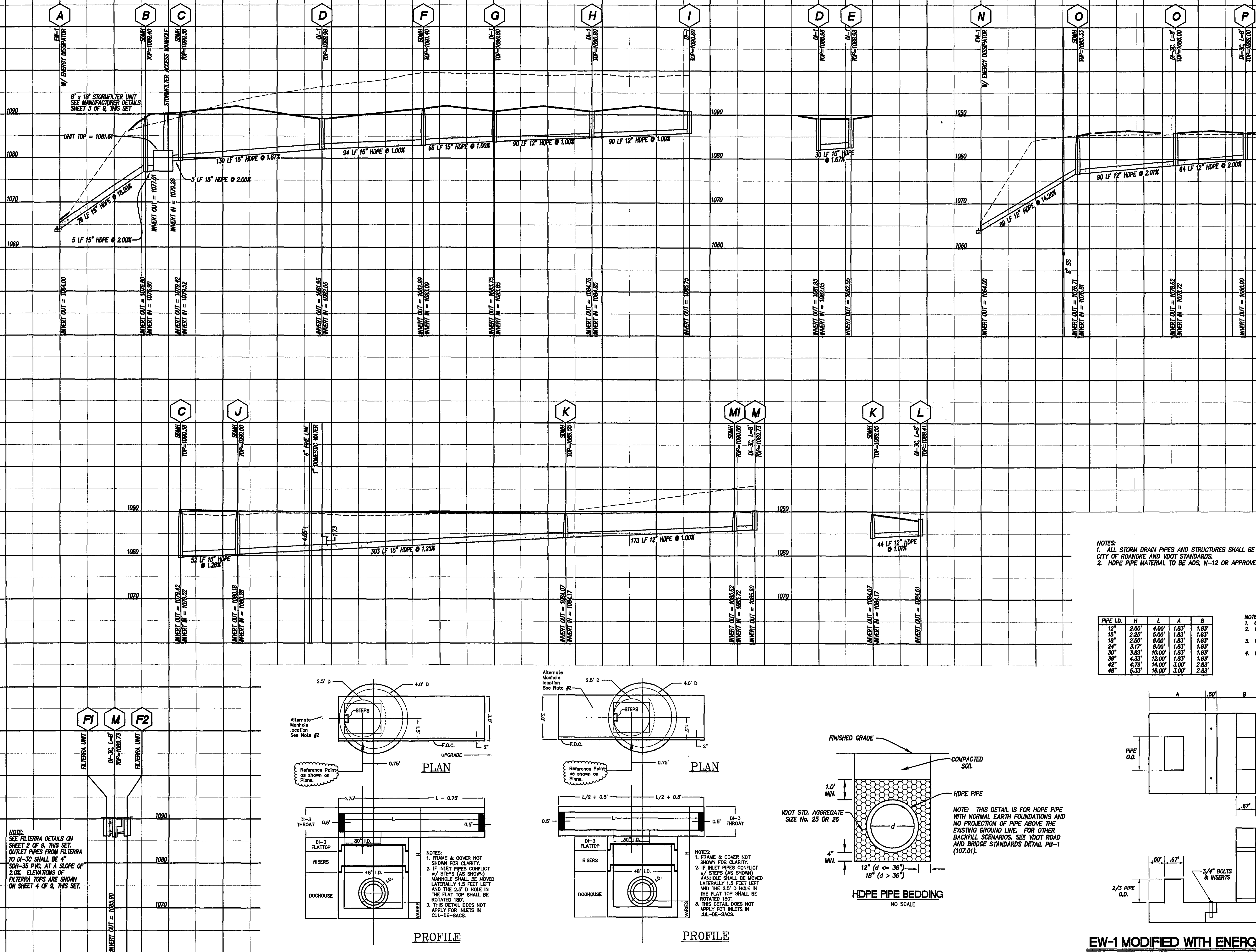
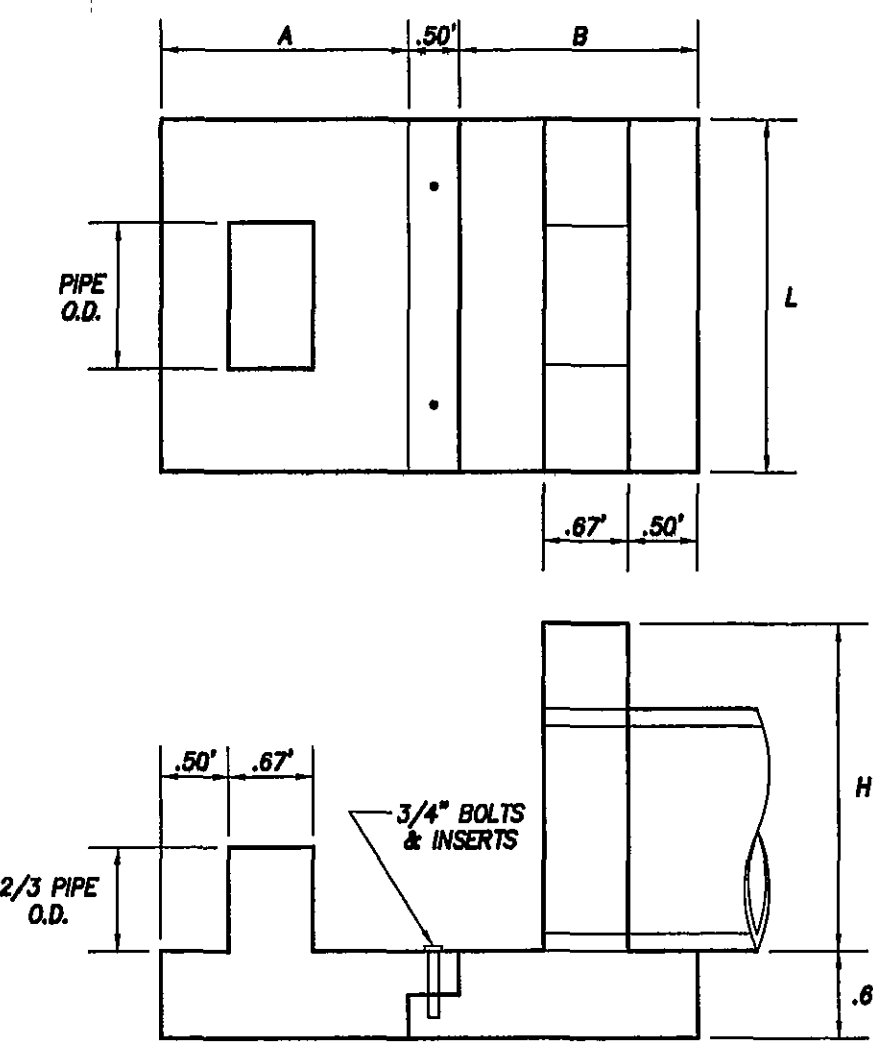




- NOTES:
1. ALL STORM DRAIN PIPES AND STRUCTURES SHALL BE INSTALLED PER CITY OF ROANOKE AND VDOT STANDARDS.
 2. HDPE PIPE MATERIAL TO BE ADS, N-12 OR APPROVED EQUAL.

PIPE I.D.	H	L	A	B
12"	2.00'	4.00'	1.83"	1.83"
15"	2.25'	5.00'	1.83"	1.83"
18"	2.50'	6.00'	1.83"	1.83"
24"	3.17'	8.00'	1.83"	1.83"
30"	3.83'	10.00'	1.83"	1.83"
36"	4.33'	12.00'	1.83"	1.83"
42"	4.78'	14.00'	3.00"	2.83"
48"	5.33'	16.00'	3.00"	2.83"

- NOTES:
1. CONCRETE 4,000 P.S.I.
 2. REINFORCING #4 @ 8" O.C. E.W.
 3. DOUBLE ROW THROUGHOUT.
 4. FOUR (4) BOLTS AND INSERTS ARE REQUIRED FOR 42" AND 48" EW-1.
 5. PLACE CLASS 1 RPP RAP ALONG THE PERIMETER OF THE STRUCTURE TO PREVENT SCOUR AND EROSION.



EW-1 MODIFIED WITH ENERGY DISSIPATER

NO SCALE

NO.	DATE	REVISIONS	DESCRIPTION
1			
2			
3			
4			
5			

DATE: August 6, 2007

SCALE: 1"=40'(H), 1"=10'(V)

COMMISSION NO. 06-034

SHEET 5 OF 9