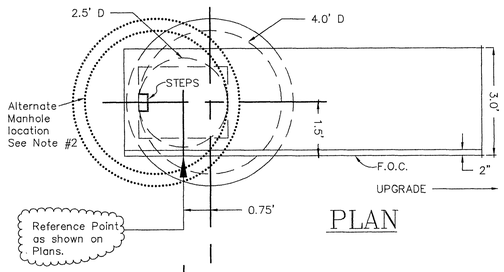
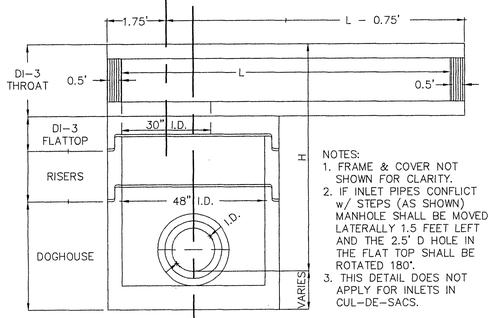


PLAN

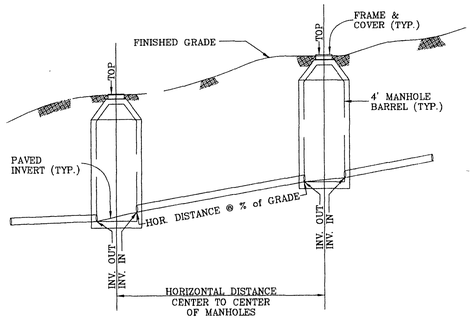


NOTES:
1. FRAME & COVER NOT SHOWN FOR CLARITY.
2. IF INLET PIPES CONFLICT w/ STEPS (AS SHOWN) MANHOLE SHALL BE MOVED LATERALLY 1.5 FEET LEFT AND THE 2.5' D HOLE IN THE FLAT TOP SHALL BE ROTATED 180°.
3. THIS DETAIL DOES NOT APPLY FOR INLETS IN CUL-DE-SACS.

PROFILE

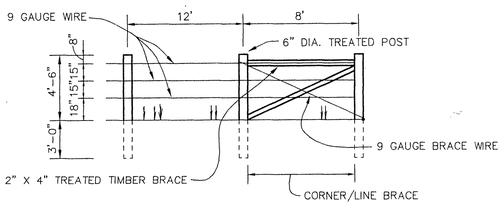
LOCATION DETAIL FOR DI-3B (PRECAST)

SCALE: NONE



SANITARY SEWER HORIZONTAL & SLOPE DISTANCE DETAIL

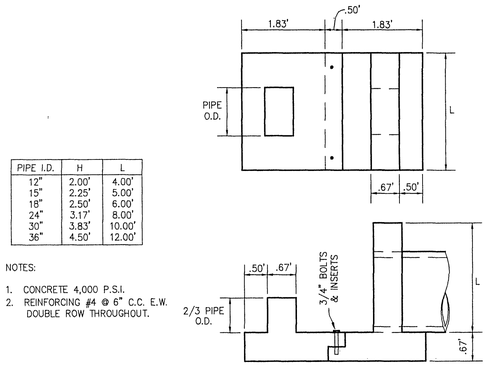
SCALE: NONE



NOTE:
ATTACH WOOD RAILS TO EACH POST WITH TWO (2) 12d GAL. NAILS AT EACH END. ATTACH WIRE STRAND TO EACH POST WITH GAL. STAPLE. POSTS TO BE NOTCHED FOR DIAGONAL BRACES AND SECURED TO POST WITH TWO (20 12k GAL. NAILS AT EACH END. BRACE WIRE TO BE PLACED AROUND POSTS, WITH ONE (1) WIRE ON EACH SIDE OF BRACE. DRAW WIRE TAUT BY TWISTING BETWEEN BRACE AND EACH POST.

WIRE FENCE DETAIL

SCALE: NONE

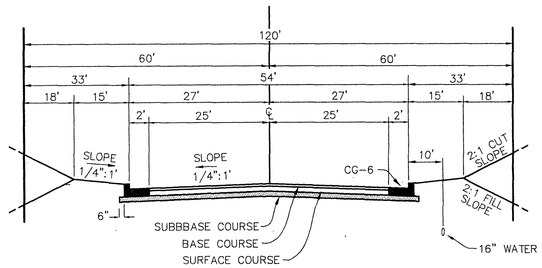


PIPE I.D.	H	L
12"	2.00'	4.00'
15"	2.25'	5.00'
18"	2.50'	6.00'
24"	3.17'	8.00'
30"	3.83'	10.00'
36"	4.50'	12.00'

NOTES:
1. CONCRETE 4,000 P.S.I.
2. REINFORCING #4 @ 6" C.C. E.W. DOUBLE ROW THROUGHOUT.

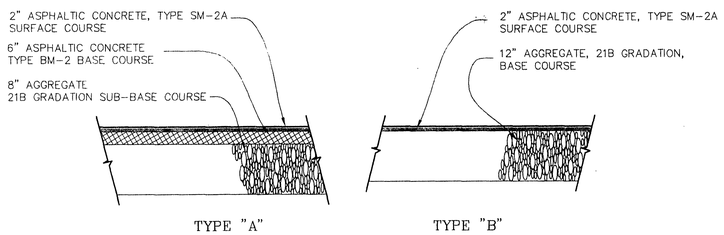
EW-1 MODIFIED WITH ENERGY DISSIPATOR

NO SCALE



TYPICAL STREET SECTION

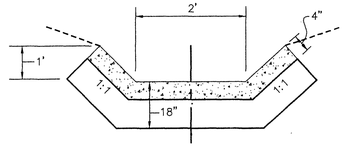
NO SCALE



TYPE "A" TYPE "B"

PAVEMENT SECTION DETAIL

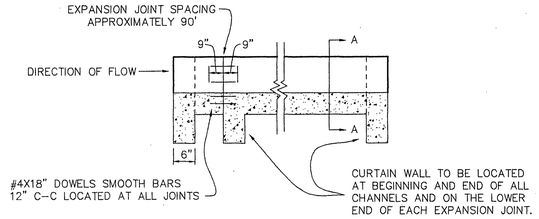
SCALE: NONE



SECTION A-A

PAVED DITCH, PG-5

SCALE: NONE

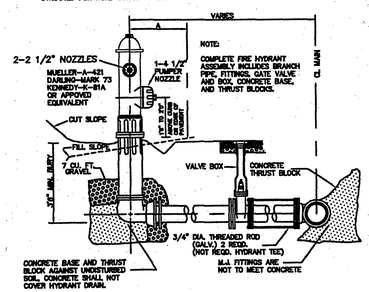


ELEVATION

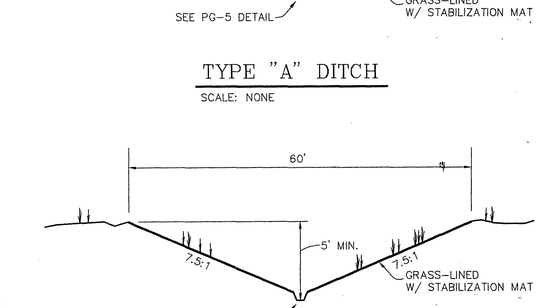
PAVED DITCH, PG-5

SCALE: NONE

NOTES:
(1) MAIN BODY OF HYDRANT MUST BE SILVER AND HAVE RED CAPS AND BONNET.
(2) DISTANCE "A" WITH CURB AND GUTTER, 2' MIN., 4' MAX. FROM BACK OF CURB.
(3) DISTANCE "A" WITHOUT CURB AND GUTTER, 5' MIN., 12' MAX. FROM EDGE OF PAVEMENT.
(4) AREA AROUND HYDRANT AT A RADIUS OF 4' TO BE APPROXIMATELY LEVEL AND UNOBSTRUCTED FOR ROAD CONSTRUCTION.



FIRE HYDRANT SETTING

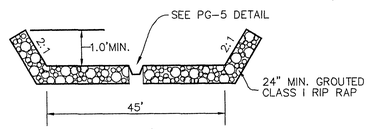


TYPE "A" DITCH

SCALE: NONE

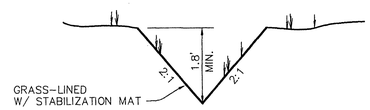
TYPE "B" DITCH

SCALE: NONE



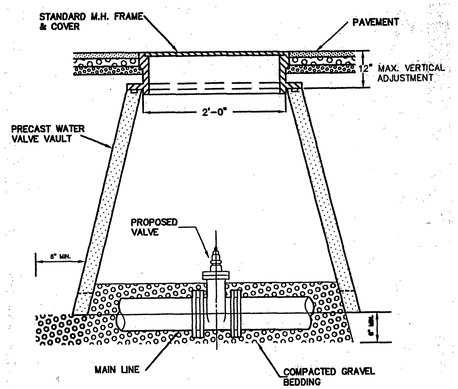
TYPE "C" DITCH

SCALE: NONE

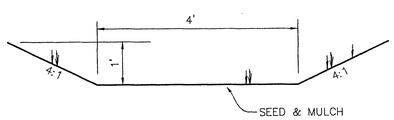


TYPE "D" CHANNEL

SCALE: NONE

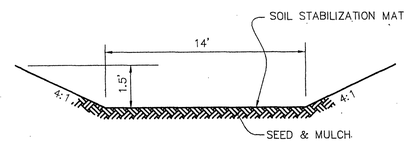


WATER LINE VALVE INSTALLATION



TYPE "E" CHANNEL

SCALE: NONE



TYPE "F" TRAPEZODIAL DITCH W/ MAT

SCALE: NONE

LUMSDEN ASSOCIATES, P.C.
ENGINEERS-SURVEYORS-PLANNERS
ROANOKE, VIRGINIA
4664 BRAMBLETON AVENUE
P.O. BOX 20669
ROANOKE, VIRGINIA 24018
PHONE (540) 774-4411
FAX (540) 772-9445
E-MAIL LUMSDENPC@AOL.COM

COMMONWEALTH OF VIRGINIA
9-14-00
B. LEE HENDERSON, JR.
No. 17591
PROFESSIONAL ENGINEER

REV.	DATE	REMARKS
1		
2		
3		
4		
5		

CONSTRUCTION DETAILS

CONSTRUCTION DETAILS FOR ROANOKE CENTRE FOR INDUSTRY AND TECHNOLOGY
PREPARED FOR CITY OF ROANOKE, VIRGINIA

DATE: SEPTEMBER 14, 2000
COMMISSION NO.: #99-435
CADD FILE: F:\99\99435\CONSTDET.DWG
SHEET NO.: 9/19

File: F:\99\99435\Jobplans\Constdet.dwg Plotted: 2000-07-19 0952AM