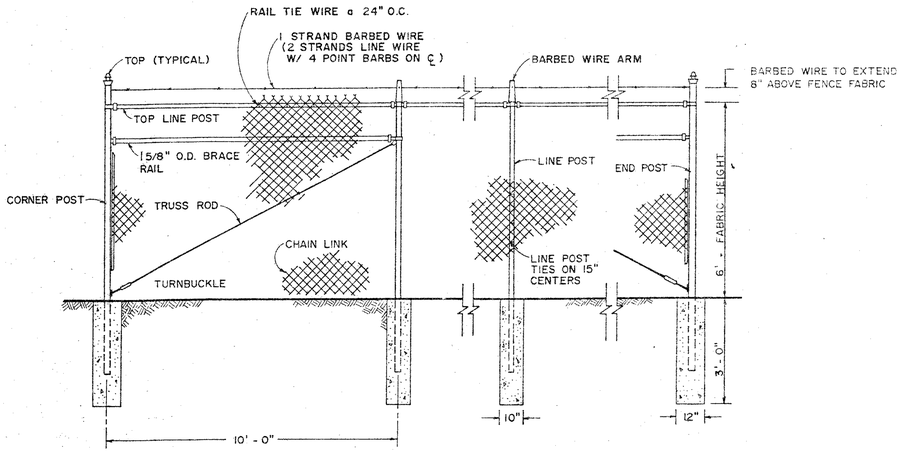
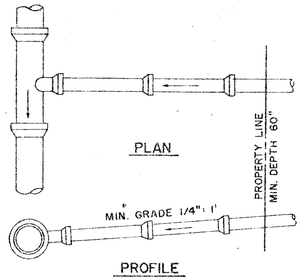
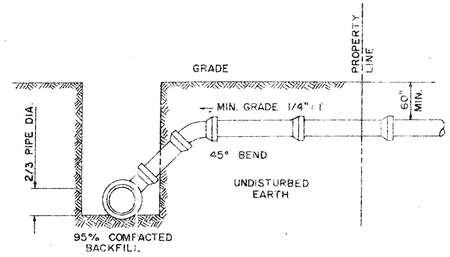


DETAIL - CHAIN LINK FENCE



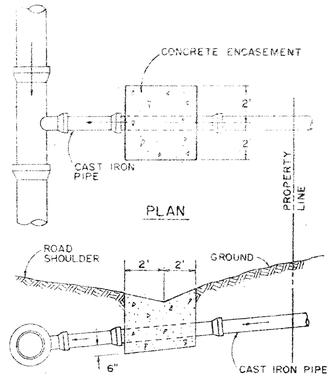
BRANCH HOUSE CONNECTION



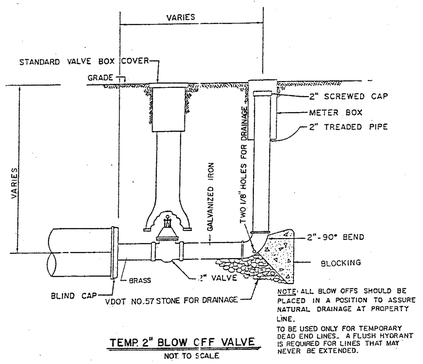
NOTE: 1/8":1' GRADE MAY BE USED SUBJECT TO APPROVAL OF TOWN.

WHEN 1/8":1' GRADE IS UTILIZED, A CLEAN OUT SHALL BE INSTALLED AT THE PROPERTY.

TEE BRANCH CONNECTION W/ 45° BEND



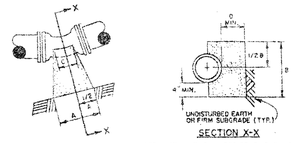
CONCRETE DITCH APRON



NOTE: ALL BLOW OFFS SHOULD BE PLACED IN A POSITION TO ASSURE NATURAL DRAINAGE AT PROPERTY LINE.
TO BE USED ONLY FOR TEMPORARY DEAD END LINES. A FLUSH HYDRANT IS REQUIRED FOR LINES THAT MAY NEVER BE EXTENDED.

TEMP 2" BLOW OFF VALVE

NOT TO SCALE

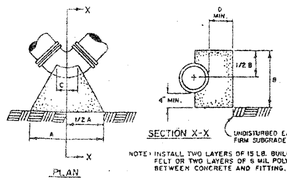


NOTE: INSTALL TWO LAYERS OF 15 LB. BUILDER'S FELT OR TWO LAYERS OF 6 MIL POLYETHYLENE BETWEEN CONCRETE AND FITTING.

PIPE DIAM.	11 1/4° BEND					22 1/2° BEND				
	A	B	C	D	E	A	B	C	D	E
3"	4"	12"	4"	6"	2"	6"	12"	6"	7"	2"
4"	4"	12"	4"	6"	2"	6"	12"	6"	7"	2"
6"	6"	14"	6"	7"	2"	8"	14"	6"	8"	2"
8"	8"	16"	8"	7"	2"	12"	16"	8"	8"	4"
10"	9"	18"	8"	8"	4"	15"	18"	8"	10"	4"
12"	12"	20"	12"	9"	4"	18"	20"	12"	12"	6"
16"	15"	24"	12"	9"	6"	24"	24"	12"	15"	6"
20"	30"	12"	10"	10"	6"	30"	30"	12"	18"	9"
24"	18"	36"	12"	12"	6"	36"	36"	12"	18"	9"
30"	24"	42"	15"	14"	9"	48"	42"	16"	21"	12"

BASED ON NORMAL OPERATING PRESSURE UP TO 150 PSI

E = ADDITIONAL LENGTH TO BE ADDED TO DIMENSION "A" FOR EACH ADDITIONAL 50 PSI PRESSURE UP TO 300 PSI



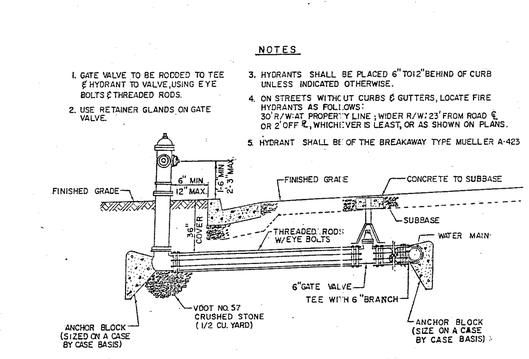
NOTE: INSTALL TWO LAYERS OF 15 LB. BUILDER'S FELT OR TWO LAYERS OF 6 MIL POLYETHYLENE BETWEEN CONCRETE AND FITTING.

PIPE DIAM.	45° BEND					90° BEND				
	A	B	C	D	E	A	B	C	D	E
3"	9"	12"	6"	6"	4"	12"	12"	6"	12"	6"
4"	9"	12"	6"	6"	4"	16"	12"	6"	12"	6"
6"	12"	14"	6"	8"	4"	21"	14"	6"	18"	6"
8"	18"	16"	8"	9"	6"	30"	16"	8"	18"	9"
10"	24"	18"	8"	10"	6"	36"	24"	10"	18"	9"
12"	30"	20"	12"	12"	9"	48"	24"	12"	18"	12"
16"	42"	30"	12"	15"	9"	60"	30"	16"	21"	12"
20"	56"	30"	12"	16"	16"	72"	40"	20"	21"	24"
24"	60"	36"	12"	21"	24"	84"	48"	24"	24"	30"
30"	72"	48"	16"	27"	24"	108"	60"	30"	24"	36"

BASED ON NORMAL OPERATING PRESSURE UP TO 150 PSI

E = ADDITIONAL LENGTH TO BE ADDED TO DIMENSION A FOR EACH ADDITIONAL 50 PSI PRESSURE UP TO 300 PSI

THRUST BLOCKING

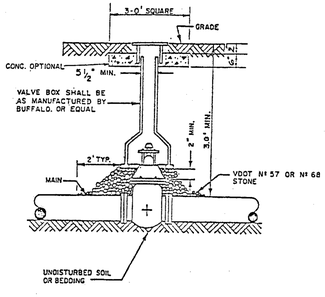


NOTES

1. GATE VALVE TO BE ROD DED TO TEE & HYDRANT TO VALVE, USING EYE BOLTS & THREADED RODS.
2. USE RETAINER GLANDS ON GATE VALVE.
3. HYDRANTS SHALL BE PLACED 6" TO 12" BEHIND OF CURB UNLESS INDICATED OTHERWISE.
4. ON STREETS WITHOUT CURBS & GUTTERS, LOCATE FIRE HYDRANTS AS FOLLOWS: 30' R/W AT PROPERTY LINE; WIDER R/W: 23' FROM ROAD ℄ OR 2' OFF ℄, WHICHEVER IS LEAST, OR AS SHOWN ON PLANS.
5. HYDRANT SHALL BE OF THE BREAKAWAY TYPE MUELLER A-423

FIRE HYDRANT DETAIL

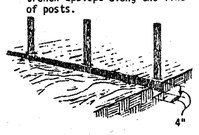
NOT TO SCALE



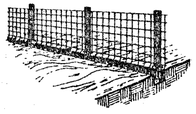
TYPICAL VALVE BOX INSTALLATION

NOT TO SCALE

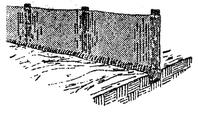
1. Set posts and excavate a 4"x4" trench upslope along the line of posts.



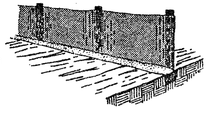
2. Staple wire fencing to the posts.



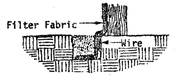
3. Attach the filter fabric to the wire fence and extend it into the trench.



4. Backfill and compact the excavated soil.

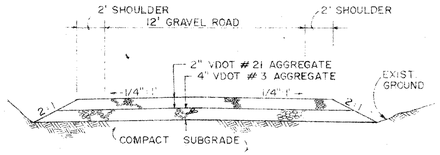


Extension of fabric and wire into the trench.



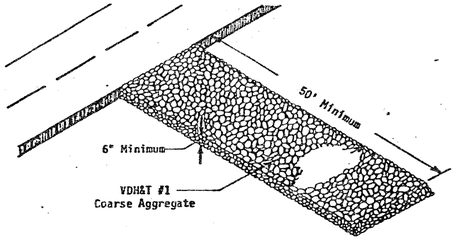
CONSTRUCTION OF A SILT FENCE

(SF) - SILT FENCE



ACCESS ROAD SECTION

NOTE: ADDITIONAL AGGREGATE MAY BE REQUIRED DURING CONSTRUCTION DUE TO ACTUAL FIELD CONDITIONS AND WEATHER. ADDITIONAL STONE SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR.



(CE) - CONSTRUCTION ENTRANCE

RECEIVED
OCT 22 1991
VIRGINIA DEPT. OF HEALTH
OFFICE OF WATER PROGRAMS
SOUTHEAST VA. REGIONAL OFFICE

COMMONWEALTH OF VIRGINIA
FREDERICK T. M. RUBBLE
No. 10055
PROFESSIONAL ENGINEER

DRAPER – ADEN ASSOCIATES, INC. CONSULTING ENGINEERS RICHMOND, VIRGINIA	DESIGNED T.S.C. DRAWN N.J.H CHECKED F.T.P DATE 1/31/90	PRINCE GEORGE WATER & SEWER EXTENSIONS RTE. 630/KING SUBDIVISION ADDITION COUNTY OF PRINCE GEORGE, VIRGINIA	MISCELLANEOUS DETAILS	REVISIONS:	SCALE: NOT TO SCALE PLAN Nº T - 20213	SHEET 11 OF 13

american blueprint of columbia