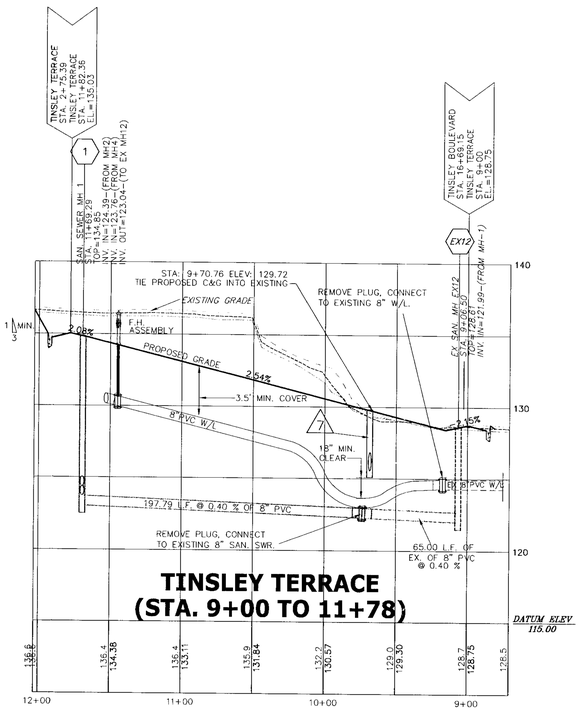
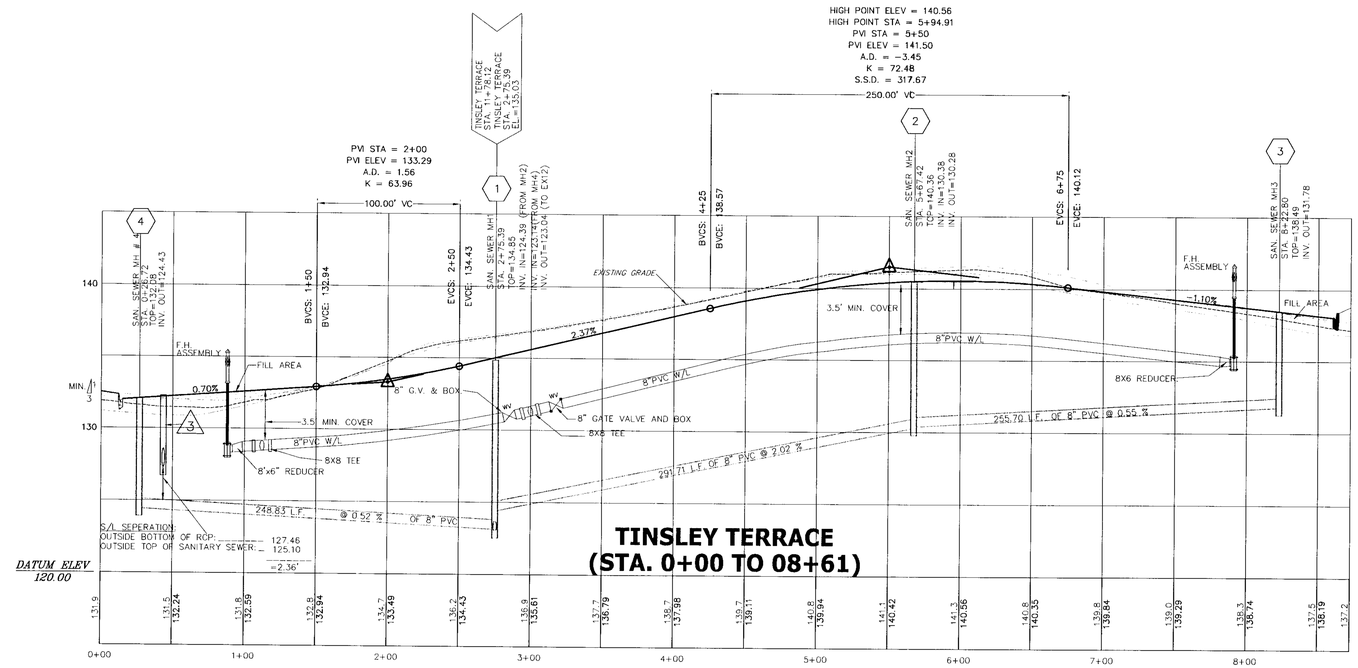
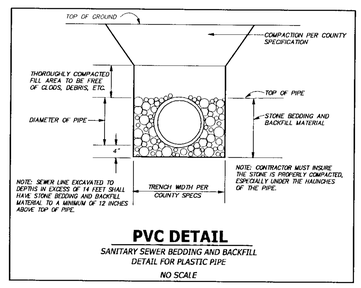






PVC DETAIL

SANITARY SEWER BEDDING AND BACKFILL DETAIL FOR PLASTIC PIPE

NO SCALE

GRAPHIC SCALE

50 0 25 50 100 200

(IN FEET)
1 inch = 50 ft.

KEY

25' RIGHT

C/L EX. GRADE

25' LEFT

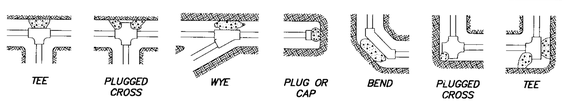
C/L PROP. GRADE

S.S.D.=STOPPING SIGHT DISTANCE

SCALE:

HORIZONTAL: 1"=50'

VERTICAL: 1"=5'



BEARING AREA OF THRUST BLOCKS IN SQ. FT.							
FITTING SIZE	TEE, WYE PLUG OR CAP	90° BEND PLUGGED CROSS	TEE PLUGGED ON RUN		45° BEND	22-1/2° BEND	11-1/4° BEND
			A_1	A_2			
6	2.1	3.0	4.3	3.0	2.0	2.0	–
8	3.8	5.3	7.6	5.4	2.9	2.0	2.0
10	5.9	8.4	11.8	8.4	4.6	2.4	2.0
12	8.5	12.0	17.0	12.0	6.6	3.4	2.0
14	11.5	16.3	23.0	16.3	8.9	4.6	2.3
16	15.0	21.3	30.0	21.3	11.6	6.0	3.0
18	19.0	27.0	38.0	27.0	14.6	7.6	3.8
20	23.5	33.3	47.0	33.3	18.1	9.4	4.7
24	34.0	48.0	68.0	48.0	26.2	13.6	6.8

NOTE: ABOVE BEARING AREAS BASED ON TEST PRESSURES OF 200 PSI AND ON ALLOWABLE SOIL BEARING STRESS OF 3500 POUNDS PER SQUARE FOOT. TO COMPUTE BEARING AREAS FOR DIFFERENT TEST PRESSURES AND SOIL BEARING STRESSES, USE THE FOLLOWING EQUATION: BEARING AREA = (TEST PRESSURE / 200) x (3500 / SOIL BEARING STRESS) x (TABLE VALUE)

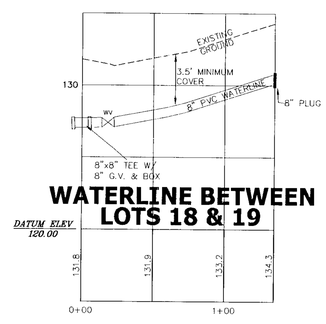
NOTES

1. CONCRETE THRUST BLOCKING TO BE POURED AGAINST UNDISTURBED EARTH.
2. KEEP CONCRETE CLEAR OF JOINT AND ACCESSORIES.
3. BEARING AREAS AND SPECIAL BLOCKING DETAILS SHOWN ON PLANS TAKE PRECEDENCE OVER BEARING AREAS AND BLOCKING DETAILS SHOWN ON THIS STANDARD DETAIL.

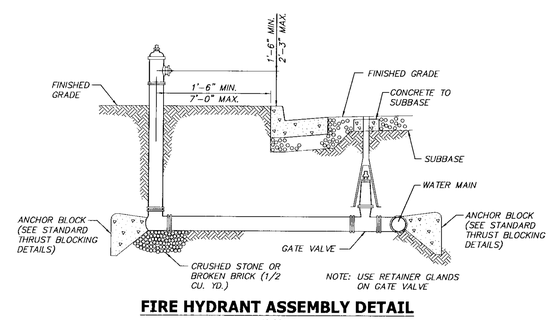
SIZE OF FITTING	MIN. C.Y. CONC. FOR BLOCKING
3"-8"	3/4
10"-12"	1-1/2
16"-24"	2

CONCRETE SHALL BE A-3 CONCRETE MEETING REQUIREMENTS OF ASTM C94

STANDARD THRUST BLOCKING DETAILS



WATERLINE BETWEEN LOTS 18 & 19



FIRE HYDRANT ASSEMBLY DETAIL

NO SCALE

COMMONWEALTH OF VIRGINIA
STEVEN M. WORTHINGTON
032863
8 SEP 2003
PROFESSIONAL ENGINEER

VIRGINIA | NORTH CAROLINA | WEST VIRGINIA
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YOUR VISION ACHIEVED THROUGH OURS.

REVISION DESCRIPTION	DATE
REVISED PER COUNTY COMMENTS	7/07/03
REVISED PER COUNTY COMMENTS	8/07/03
REVISED PER COUNTY COMMENTS	9/05/03

DATE 2/24/03
DRAWN BY JMD
DESIGNED BY SMW
CHECKED BY SMW
SCALE AS NOTED

TIMMONS GROUP

TINSLEY CHARTER SECTION 2

PROFILES

JOB NO. 20822

SHEET NO. 3

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