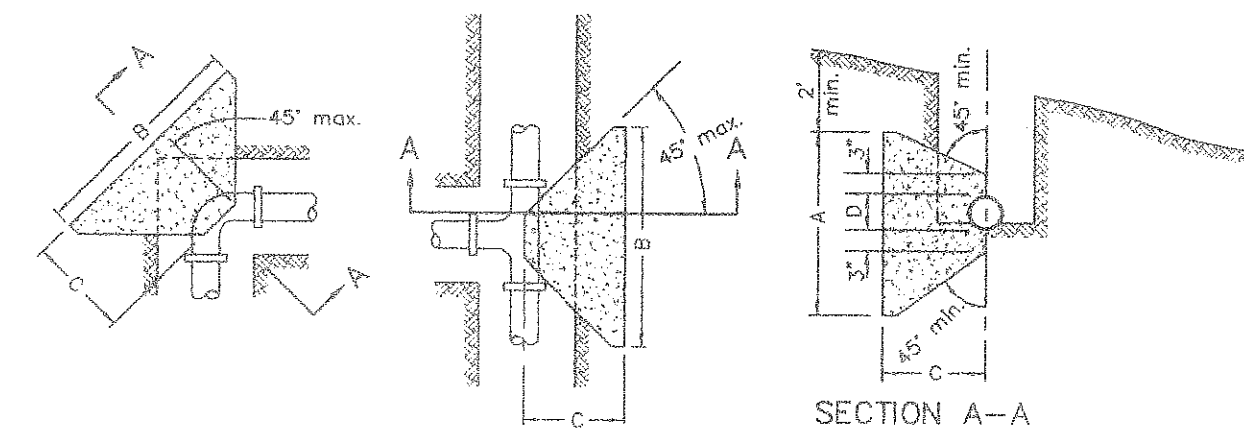




PIPE SIZE	TEE OR DEAD END			90° BEND			45° BEND			22.5° OR LESS BEND		
	A	B	C	A	B	C	A	B	C	A	B	C
6"	12"	3.0'	1.0'	1.5'	3.3'	2.0'	1.2'	2.3'	1.0'	1.2'	2.0'	1.0'
8"	17"	3.8'	1.5'	2.0'	4.5'	2.0'	1.3'	3.8'	1.5'	1.3'	2.0'	1.0'
10"	20"	4.9'	2.0'	3.0'	4.7'	2.0'	1.7'	4.5'	2.0'	1.5'	2.8'	1.5'
12"	25"	5.7'	2.0'	3.5'	5.8'	2.5'	2.2'	5.0'	2.5'	1.7'	3.3'	1.5'
16"	35"	7.0'	3.0'	4.5'	8.0'	3.5'	3.0'	6.5'	3.0'	2.5'	4.0'	2.0'

- NOTES:
1. THE ABOVE NOTED DIMENSIONS ARE MINIMUM BASED ON CONCRETE ANCHOR EXTENDING TO UNDISTURBED SOIL. FLOW PRESSURES NOT TO EXCEED 150 PSI, AND MINIMUM SOIL BEARING PRESSURE OF 2000 PSI. UNSATISFACTORY SOIL BEARING PRESSURE OR INCREASED FLOW PRESSURES WILL REQUIRE ADDITIONAL DESIGN.
 2. CONCRETE SHALL NOT BE POURED ON JOINTS OR BOLTS.
 3. CONCRETE SHALL HAVE A MINIMUM 28-DAY COMPRESSIVE STRENGTH OF 3000 PSI.

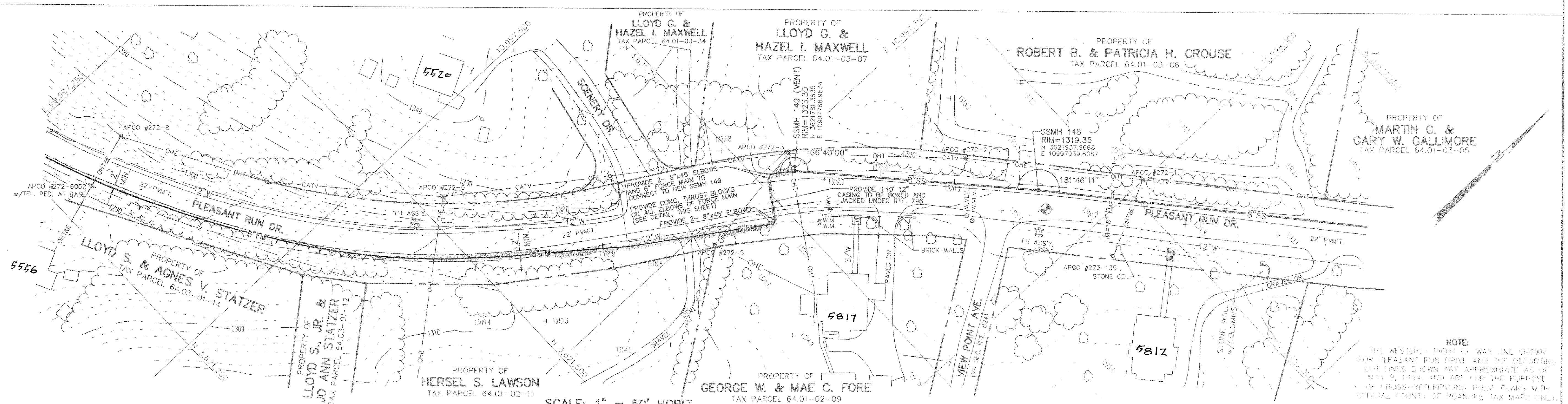
CONCRETE THRUST BLOCK DETAIL

NO SCALE

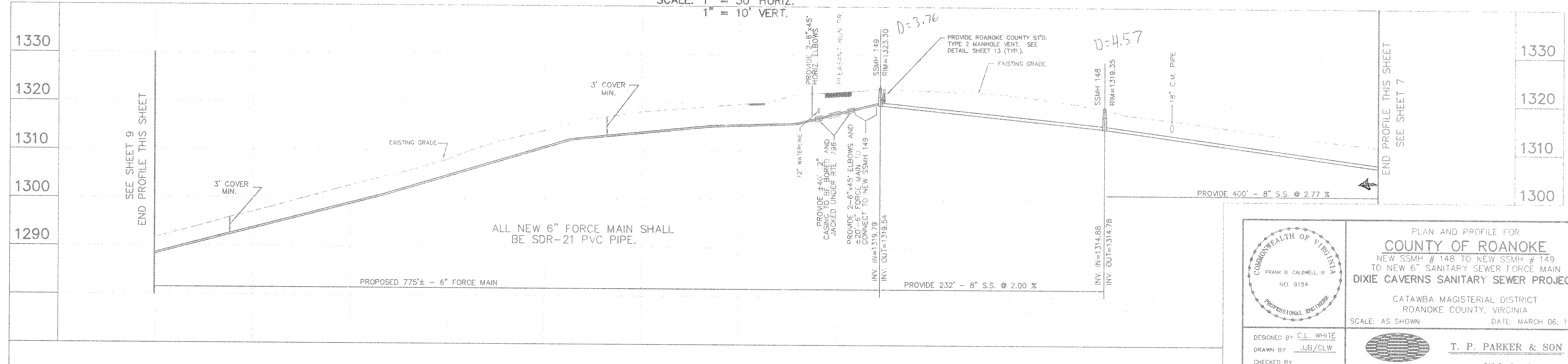


BENCHMARK:
ARROWHEAD ON TOP OF FIRE HYDRANT AT INTERSECTION OF PLEASANT RUN DR. AND VIEW POINT AVE. (RTE. 824).
ELEVATION=1320.05

FIELD EVIDENCE SHOWS THE PRESENCE OF AN UNDERGROUND TELEPHONE CABLE ON THE SOUTH SIDE OF PLEASANT RUN DR. THE CONTRACTOR SHALL LOCATE AND AVOID UNDERGROUND CABLES IN THIS AREA.



SCALE: 1" = 50' HORIZ.
1" = 10' VERT.



DESIGNED BY: C.L. WHITE
DRAWN BY: JJB/CLW
CHECKED BY: _____
W.O. # 92-1081
N.B. RKE.CO.PROJ. #3
TAX NO. _____

COMMONWEALTH OF VIRGINIA
FRANK B. CALDWELL III
NO. 9184
PROFESSIONAL ENGINEER

PLAN AND PROFILE FOR
COUNTY OF ROANOKE
NEW SSMH # 148 TO NEW SSMH # 149
TO NEW 6" SANITARY SEWER FORCE MAIN
DIXIE CAVERNS SANITARY SEWER PROJECT
CATAWBA MAGISTERIAL DISTRICT
ROANOKE COUNTY, VIRGINIA
SCALE: AS SHOWN DATE: MARCH 06, 1995

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