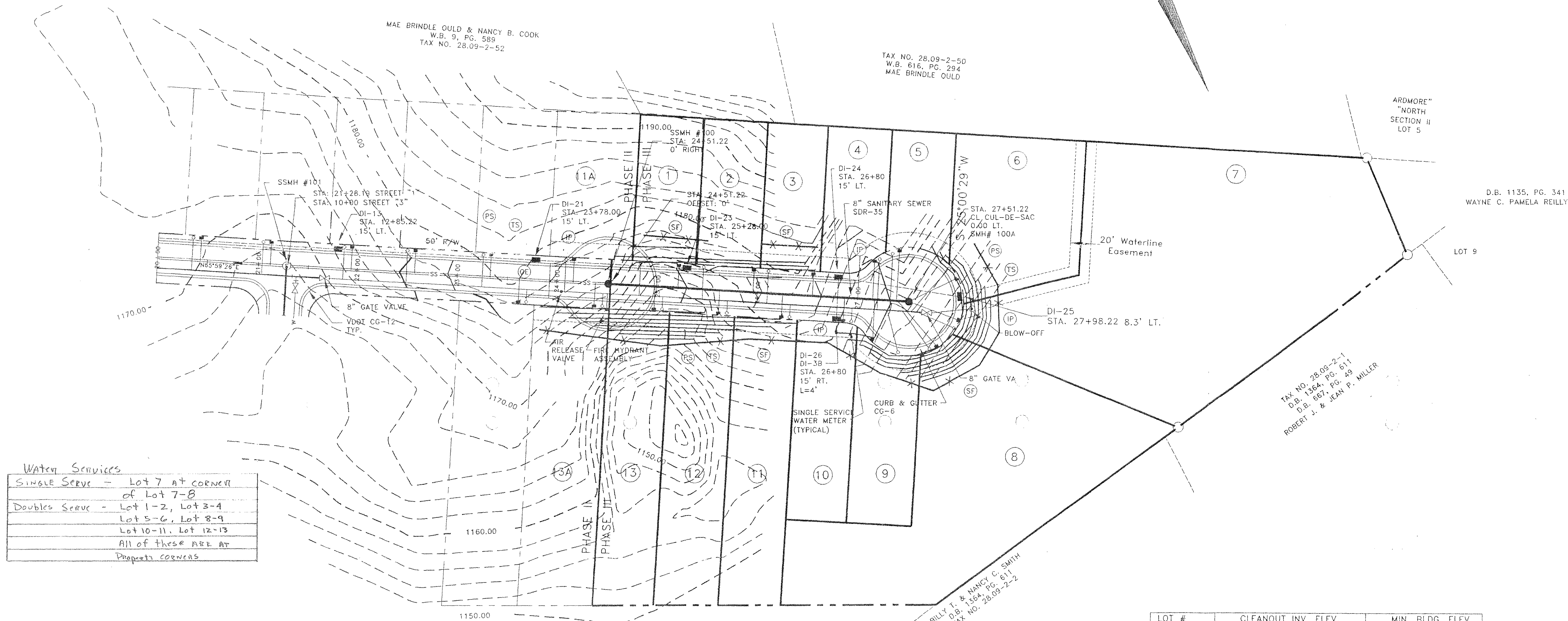




Water Services

SINGLE SERVE - Lot 7 at corner of Lot 7-8
Doubles SERVE - Lot 1-2, Lot 3-4
Lot 5-6, Lot 8-9
Lot 10-11, Lot 12-13
All of these ARE AT Property CORNERS

- NOTES:
- BENCH MARK CHISELED ON CORNER OF CONCRETE WALK IN FRONT OF EXISTING HOUSE ADJACENT TO OLD HOLLINS ROAD ELEVATION = 1170.53'.
 - FILLS SHALL BE COMPACTED TO 95% STANDARD PROCTOR. DOCUMENTATION OF COMPACTION AROUND ROANOKE COUNTY UTILITIES FROM AN INDEPENDENT SOILS TEST LAB WILL BE REQUIRED.
 - WATER LINES SHALL BE LAID AT LEAST 10' HORIZONTALLY FROM SEWER LINES. IF THIS HORIZONTAL SEPARATION CAN NOT BE MET, THEN THE TOP CROWN OF THE SEWER SYSTEMS.
 - ALL UTILITY SERVICES, WATER METER AND SEWER CLEANOUTS SHALL BE LOCATED AT THE PROPERTY LINE ON THE PUBLIC SIDE.

HYNA S. MURRAY
W.B. 44, PG. 1782
D.B. 481, PG. 324
TAX NO. 28.09-2-4

Lot	Length From Manhole	Distance OFF Sewer	Depth off Clean-out
1	0+46'	0+23'	7.75'
2	0+89'	0+23'	7.6'
3	1+51'	0+23'	6.6'
4	2+31'	0+23'	8.7'
5	2+90'	0+49'	5.75'
6	0+48' From Manhole		4.0'
7	0+49' From Manhole		4.0'
8	0+51' From Manhole		4.5'
9	2+88'	0+57'	5.1'
10	1+92'	0+25'	7.75'
11	1+31'	0+25'	7.1'
12	0+82'	0+25'	9.0'
13	0+22'	0+25'	10.7'

* 8x4 T's used at Lateral Connections
Sewer Manhole # 100A Depth 6.1'

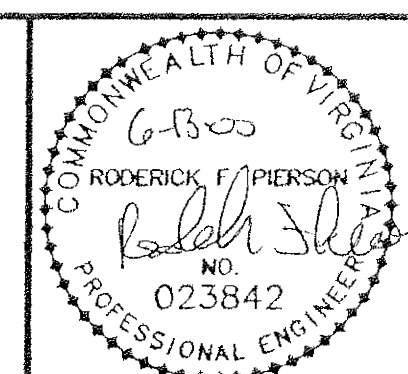
From	DI - 24	DI - 26
Sewer Manhole # 100A	75'	77'
8" Gate Valve	96'	94'
22° Bend	104'	102'
Blow-off	136'	132'

LOT #	CLEANOUT INV. ELEV.	MIN. BLDG. ELEV.
1	1162.54	1164.54
2	1163.29	1165.29
3	1163.89	1165.89
4	1164.49	1166.49
5	1164.85	1166.85
6	1164.85	1166.85
7	1164.85	1166.85
8	1164.74	1166.74
9	1164.51	1166.51
10	1164.21	1166.21
11	1163.59	1165.59
12	1162.96	1164.96
13	1162.31	1164.31

PIERSON ENGINEERING AND SURVEYING
RODERICK F. PIERSON
P.O. BOX 311
710 ROANOKE ROAD
DALEVILLE, VIRGINIA 24083
(540)966-3027

REV	DATE	DESCRIPTION	BY	APP
1	11/24/99	PER COUNTY COMMENTS		
2	1/31/99	PER COUNTY COMMENTS		
3	3/17/00	PER COUNTY COMMENTS		
4	06/12/00	PER COUNTY COMMENTS		

ROADWAY, GRADING & UTILITIES AND E & S PLAN
FOR
BELLE GROVE - PHASE III
ROANOKE COUNTY, VIRGINIA



SCALE: 1" = 50'
COMM. NO. R98118
DATE: 12/6/99
SHEET 4