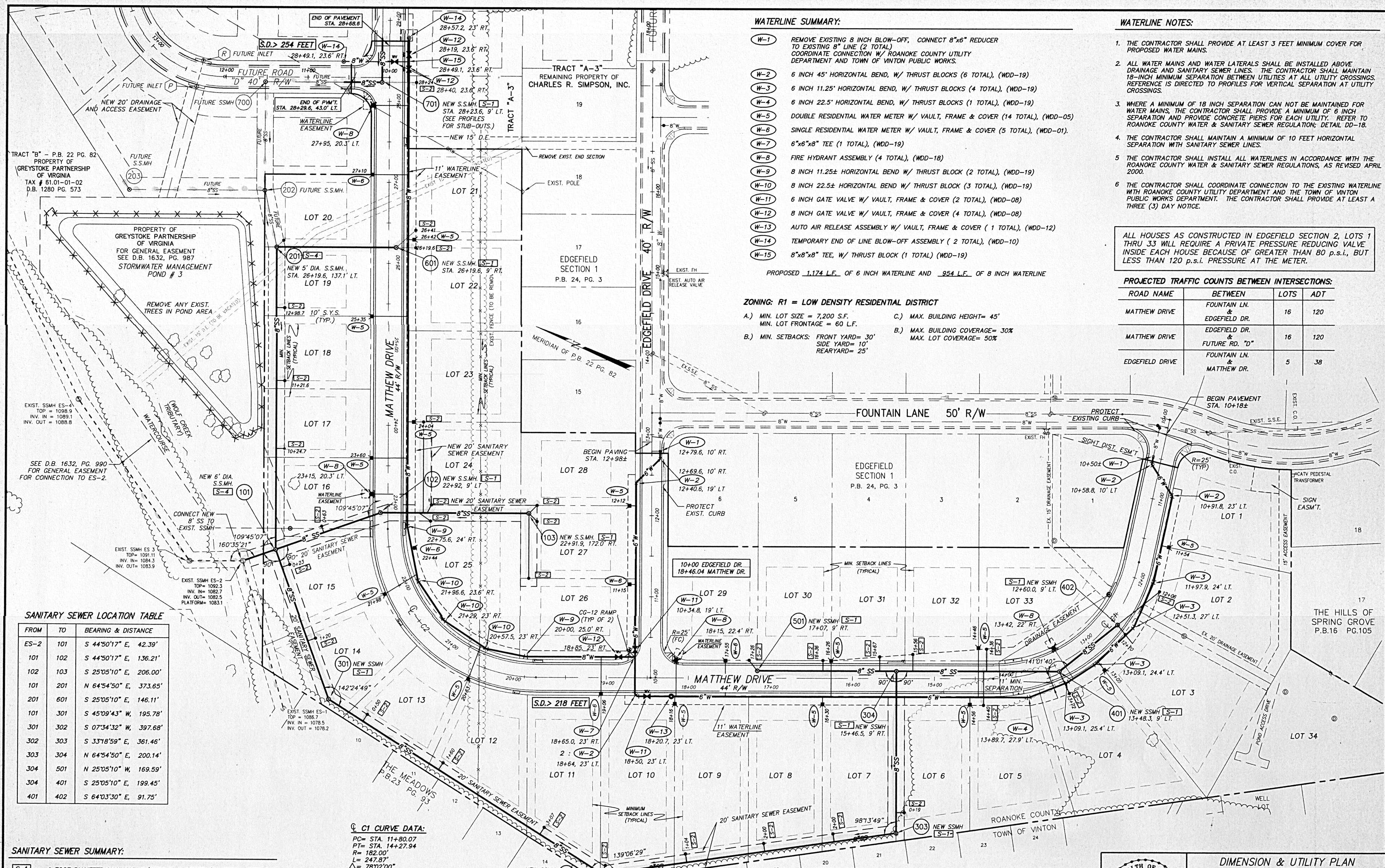

WATERLINE SUMMARY:

- W-1 REMOVE EXISTING 8 INCH BLOW-OFF, CONNECT 8"x6" REDUCER TO EXISTING 8" LINE (2 TOTAL) COORDINATE CONNECTION W/ ROANOKE COUNTY UTILITY DEPARTMENT AND TOWN OF VINTON PUBLIC WORKS.
- W-2 6 INCH 45° HORIZONTAL BEND, W/ THRUST BLOCKS (6 TOTAL), (WDD-19)
- W-3 6 INCH 11.25° HORIZONTAL BEND, W/ THRUST BLOCKS (4 TOTAL), (WDD-19)
- W-4 6 INCH 22.5° HORIZONTAL BEND, W/ THRUST BLOCKS (1 TOTAL), (WDD-19)
- W-5 DOUBLE RESIDENTIAL WATER METER W/ VAULT, FRAME & COVER (14 TOTAL), (WDD-05)
- W-6 SINGLE RESIDENTIAL WATER METER W/ VAULT, FRAME & COVER (5 TOTAL), (WDD-01).
- W-7 6"x6"x8" TEE (1 TOTAL), (WDD-19)
- W-8 FIRE HYDRANT ASSEMBLY (4 TOTAL), (WDD-18)
- W-9 8 INCH 11.25± HORIZONTAL BEND W/ THRUST BLOCK (2 TOTAL), (WDD-19)
- W-10 8 INCH 22.5± HORIZONTAL BEND W/ THRUST BLOCK (3 TOTAL), (WDD-19)
- W-11 6 INCH GATE VALVE W/ VAULT, FRAME & COVER (2 TOTAL), (WDD-08)
- W-12 8 INCH GATE VALVE W/ VAULT, FRAME & COVER (4 TOTAL), (WDD-08)
- W-13 AUTO AIR RELEASE ASSEMBLY W/ VAULT, FRAME & COVER (1 TOTAL), (WDD-12)
- W-14 TEMPORARY END OF LINE BLOW-OFF ASSEMBLY (2 TOTAL), (WDD-10)
- W-15 8"x8"x8" TEE, W/ THRUST BLOCK (1 TOTAL) (WDD-19)

PROPOSED 1,174 L.F. OF 6 INCH WATERLINE AND 954 L.F. OF 8 INCH WATERLINE

ZONING: R1 = LOW DENSITY RESIDENTIAL DISTRICT

A.) MIN. LOT SIZE = 7,200 S.F.
MIN. LOT FRONTAGE = 60 L.F.

B.) MIN. SETBACKS: FRONT YARD= 30'
SIDE YARD= 10'
REARYARD= 25'

C.) MAX. BUILDING HEIGHT= 45'

B.) MAX. BUILDING COVERAGE= 30%
MAX. LOT COVERAGE= 50%

WATERLINE NOTES:

1. THE CONTRACTOR SHALL PROVIDE AT LEAST 3 FEET MINIMUM COVER FOR PROPOSED WATER MAINS.
2. ALL WATER MAINS AND WATER LATERALS SHALL BE INSTALLED ABOVE DRAINAGE AND SANITARY SEWER LINES. THE CONTRACTOR SHALL MAINTAIN 18-INCH MINIMUM SEPARATION BETWEEN UTILITIES AT ALL UTILITY CROSSINGS. REFERENCE IS DIRECTED TO PROFILES FOR VERTICAL SEPARATION AT UTILITY CROSSINGS.
3. WHERE A MINIMUM OF 18 INCH SEPARATION CAN NOT BE MAINTAINED FOR WATER MAINS, THE CONTRACTOR SHALL PROVIDE A MINIMUM OF 6 INCH SEPARATION AND PROVIDE CONCRETE PIERS FOR EACH UTILITY. REFER TO ROANOKE COUNTY WATER & SANITARY SEWER REGULATION; DETAIL DD-18.
4. THE CONTRACTOR SHALL MAINTAIN A MINIMUM OF 10 FEET HORIZONTAL SEPARATION WITH SANITARY SEWER LINES.
5. THE CONTRACTOR SHALL INSTALL ALL WATERLINES IN ACCORDANCE WITH THE ROANOKE COUNTY WATER & SANITARY SEWER REGULATIONS, AS REVISED APRIL 2000.
6. THE CONTRACTOR SHALL COORDINATE CONNECTION TO THE EXISTING WATERLINE WITH ROANOKE COUNTY UTILITY DEPARTMENT AND THE TOWN OF VINTON PUBLIC WORKS DEPARTMENT. THE CONTRACTOR SHALL PROVIDE AT LEAST A THREE (3) DAY NOTICE.

ALL HOUSES AS CONSTRUCTED IN EDGEFIELD SECTION 2, LOTS 1 THRU 33 WILL REQUIRE A PRIVATE PRESSURE REDUCING VALVE INSIDE EACH HOUSE BECAUSE OF GREATER THAN 80 p.s.i., BUT LESS THAN 120 p.s.i. PRESSURE AT THE METER.

PROJECTED TRAFFIC COUNTS BETWEEN INTERSECTIONS:

ROAD NAME	BETWEEN	LOTS	ADT
MATTHEW DRIVE	FOUNTAIN LN. & EDGEFIELD DR.	16	120
MATTHEW DRIVE	EDGEFIELD DR. & FUTURE RD. "D"	16	120
EDGEFIELD DRIVE	FOUNTAIN LN. & MATTHEW DR.	5	38

SANITARY SEWER LOCATION TABLE

FROM	TO	BEARING & DISTANCE
ES-2	101	S 44°50'17" E, 42.39'
101	102	S 44°50'17" E, 136.21'
102	103	S 25°05'10" E, 206.00'
101	201	N 64°54'50" E, 373.65'
201	601	S 25°05'10" E, 146.11'
101	301	S 45°09'43" W, 195.78'
301	302	S 07°34'32" W, 397.68'
302	303	S 33°18'59" E, 361.46'
303	304	N 64°54'50" E, 200.14'
304	501	N 25°05'10" W, 169.59'
304	401	S 25°05'10" E, 199.45'
401	402	S 64°03'30" E, 91.75'

SANITARY SEWER SUMMARY:

- S-1 4 FOOT DIAMETER MANHOLE W/ FRAME & COVER (11 TOTAL), (DD-01)
- S-2 SANITARY SEWER LATERAL (33 TOTAL), (DD-07) (LOT 1 HAS AN EXISTING LATERAL) (FUTURE LOT HAS LATERAL STUB-OUT)
- S-3 STONE BEDDING (400 TONS), (DD-15)
- S-4 INSIDE DROP MANHOLE (DD-04) (2 TOTAL)

PROPOSED 1,328 L.F. OF 8" SDR-21 SANITARY SEWER LINE
PROPOSED 881 L.F. OF 8" SDR-35 SANITARY SEWER LINE

℄ C1 CURVE DATA:

PC= STA. 11+80.07
PT= STA. 14+27.94
R= 182.00'
L= 247.87'
Δ= 78°02'00"

℄ C2 CURVE DATA:

PC= STA. 19+86.04
PT= STA. 22+71.92
R= 182.00'
L= 285.88'
Δ= 90°00'00"

DESIGNED BY JJB, PJB
DRAWN BY JJB
CHECKED BY PJB
W.O. # 00-1188
N.B. GREYSTOKE
TAX NO. 61.01-01-02.3

TPP&S
ENGINEERS SURVEYORS PLANNERS

T. P. PARKER & SON
816 Boulevard
Post Office Box 39
Salem, Virginia 24153
Telephone: 540-387-1153
FAX: 540-389-5767

00-1188base.DWG

COMMONWEALTH OF VIRGINIA
PAUL J. BROWN
CERTIFICATE NO. 036148
PROFESSIONAL ENGINEER

DIMENSION & UTILITY PLAN
FOR
"EDGEFIELD", SECTION 2
SITUATE FOUNTAIN LANE
VINTON MAGISTERIAL DISTRICT
ROANOKE COUNTY, VIRGINIA
PREPARED FOR CHARLES R. SIMPSON, INC.

REVISED: JANUARY 14, 2004
DATE: OCTOBER 13, 2003
SCALE: 1" = 50'