

CURVE	RADIUS	LENGTH	CHORD	CH.BE.
C1	75.00'	40.49'	40.00'	S 44°41'
C2	75.00'	118.56'	106.60'	S 16°03'
C3	30.00'	24.38'	23.72'	S 84°31'
C4	50.00'	119.18'	92.90'	S 39°31'
C5	50.00'	119.18'	92.90'	N 83°04'
C6	30.00'	24.38'	23.72'	N 38°04'
C7	125.00'	44.86'	44.62'	N 51°0'
C8	125.00'	92.25'	90.17'	N 19°38'
C9	125.00'	60.49'	59.90'	N 15°2'
C10	125.00'	51.18'	50.82'	N 40°5'
C11	125.00'	16.31'	16.29'	N 56°24'
C12	25.00'	39.27'	35.36'	S 15°05'
C13	25.00'	39.27'	35.36'	S 74°51'

COURSE	BEARING	DISTANCE
L1	S 29°50'54"E	7
L2	S 32°41'26"E	5
L3	S 35°22'51"E	85
L4	S 35°27'27"W	8
L5	S 35°29'15"W	9
L6	S 35°29'45"W	9
L7	S 27°42'58"W	11
L8	S 27°42'58"W	3
L9	S 35°39'38"W	1'
L10	S 35°27'31"W	8
L11	S 35°29'41"W	10
L12	N 60°30'31"W	1
L13	N 60°29'16"W	1
L14	N 60°33'26"W	4
L15	N 60°33'26"W	3
L16	N 60°35'15"W	3
L17	N 05°18'29"E	4
L18	N 05°17'08"E	
L19	N 05°23'57"E	
L20	S 61°21'08"E	2

N/V S.P. ADAMS  
499/176

# Lot 3, The Ridge Subdivision

## On-Site Wastewater Design Specifications

Prepared By: LJF  
 Hal Owen & Associates, Inc.  
 Soil & Environmental Scientists  
 P.O. Box 400, 266 Old Coats Rd.  
 Lillington, NC 27546-0400  
 Phone: (910) 893-8743

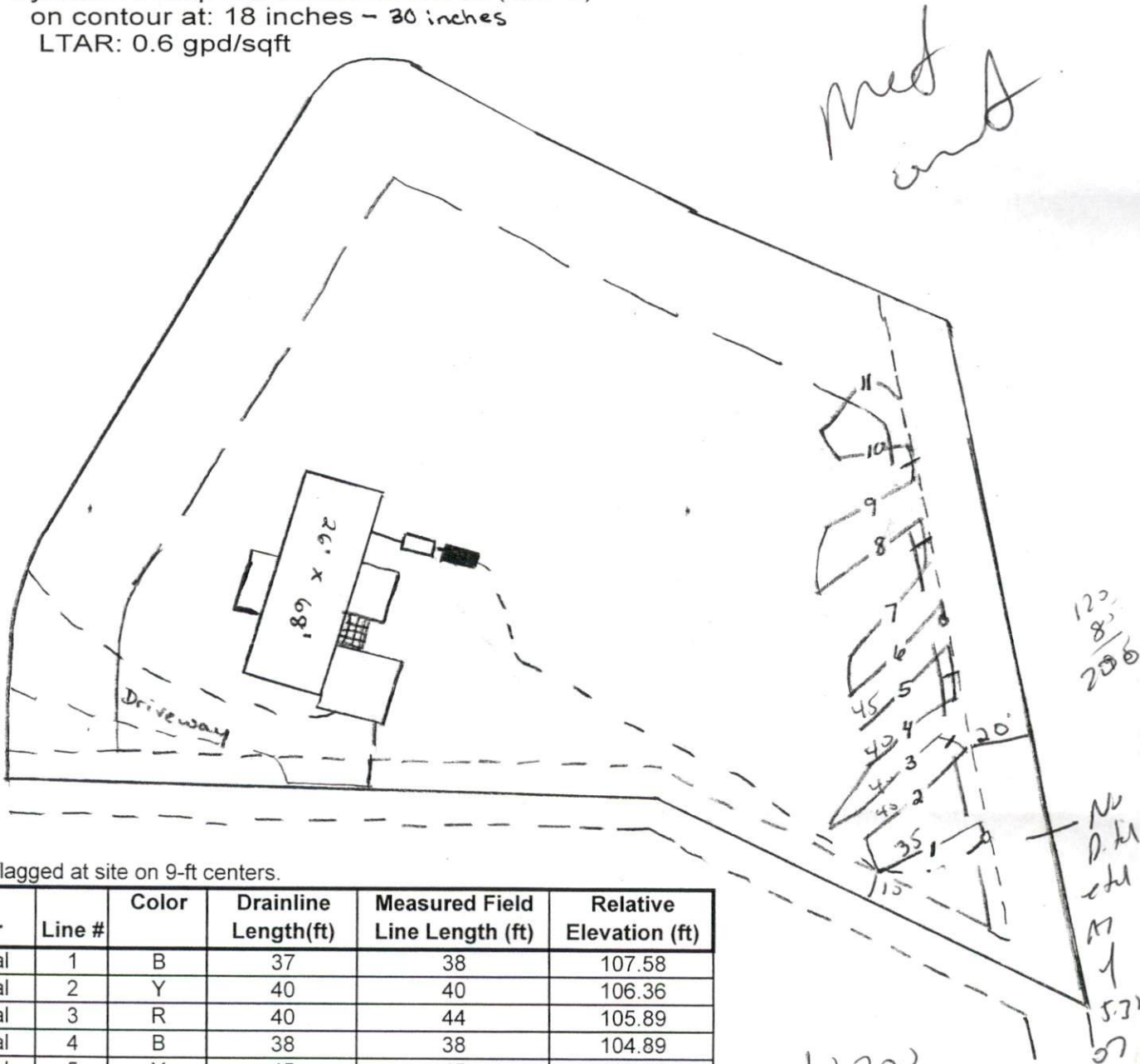
House Footprint: 55' x 70' (Foundation Drain Possible)  
 Bedrooms: 3 (Daily Flow 360 gallons)

Initial System: Pump Conventional Serial (200-ft)  
 on contour at: 18 inches - 30 inches  
 LTAR: 0.6 gpd/sqft

Repair System : Pump Conventional Serial (200-ft)  
 on contour at: 18 inches - 30 inches  
 LTAR: 0.6 gpd/sqft

### LEGEND

☐	Pressure Manifold	☐	Septic Tank
★	EIP	■	Pump Tank
⊞	Step-down	○	D-Box



Lines flagged at site on 9-ft centers.

Initial/Repair	Line #	Color	Drainline Length(ft)	Measured Field Line Length (ft)	Relative Elevation (ft)
Initial	1	B	37	38	107.58
Initial	2	Y	40	40	106.36
Initial	3	R	40	44	105.89
Initial	4	B	38	38	104.89
Initial	5	Y	45	45	103.39
Repair	6	R	40	41	102.86
Repair	7	B	40	44	102.19
Repair	8	Y	40	42	101.81
Repair	9	R	30	32	101.34
Repair	10	B	20	22	100.84
Repair	11	Y	30	30	100.22
<b>Total:</b>			<b>400</b>	<b>416</b>	<b>EIP = 100</b>

1720  
 125% del  
 18 to 24"

# HAL OWEN & ASSOCIATES, INC.

SOIL ENVIRONMENTAL SCIENTIST

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Lillington, NC 27546-0400

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E-mail: halowen@earthlink.net

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25 May 2007

Mr. Joe West  
Harnett County Environmental Health  
307 West Cornelius Harnett Blvd.  
Lillington, NC 27546

Reference: Site Investigation and Septic System Design  
Lot 3, The Ridge at Sherwood Forest

Dear Mr. West,

A site investigation was conducted for the above referenced property located on the southeast corner of Sherwood Hills Court and NC Hwy 27, Johnsonville Township, Harnett County, North Carolina. The purpose of the investigation was to determine the ability of this lot to support a subsurface sewage waste disposal system and 100 % repair area for a typical three-bedroom home. Community water supplies will be utilized for this lot. A foundation drain will be possible. A pump to conventional drainlines totaling 200 linear feet and using serial distribution is proposed for both the initial and repair septic system. Trench bottom depths can range between 18 and 30 inches below ground surface.

Attached is the septic system layout and supporting information for this lot. I trust that this report provides all the information that you require at this time. If you have any questions or need additional information, please contact me at your convenience.

Sincerely,



Laura J. Fortner  
Licensed Soil Scientist