

HALLOWEN & ASSOCIATES, INC.

SOIL & ENVIRONMENTAL SCIENTISTS

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7 December, 2001

Harnett County Environmental Health
P.O. Box 9
Lillington, NC 27546

Attention: Mr. Joe West

Reference: Septic System Design Revision
Starwood Subdivision – Lot 77

Dear Mr. West,

The following revision for Lot 77 is for the repair drainfield which appears to have gone off of the property in our previous submittal due to vague markings of the property line on the right side. This correction has not affected the layout of the initial system except for the location and/or orientation of the septic and pump tanks. The repair septic system is still a low-pressure pipe design just in a different configuration.

Attached is the revised septic system layout and supporting information for Lot 77. 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
Soil Scientist In Training III

Lot 77, Starwood Subdivision

On-Site Wastewater Design Specifications

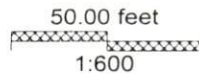
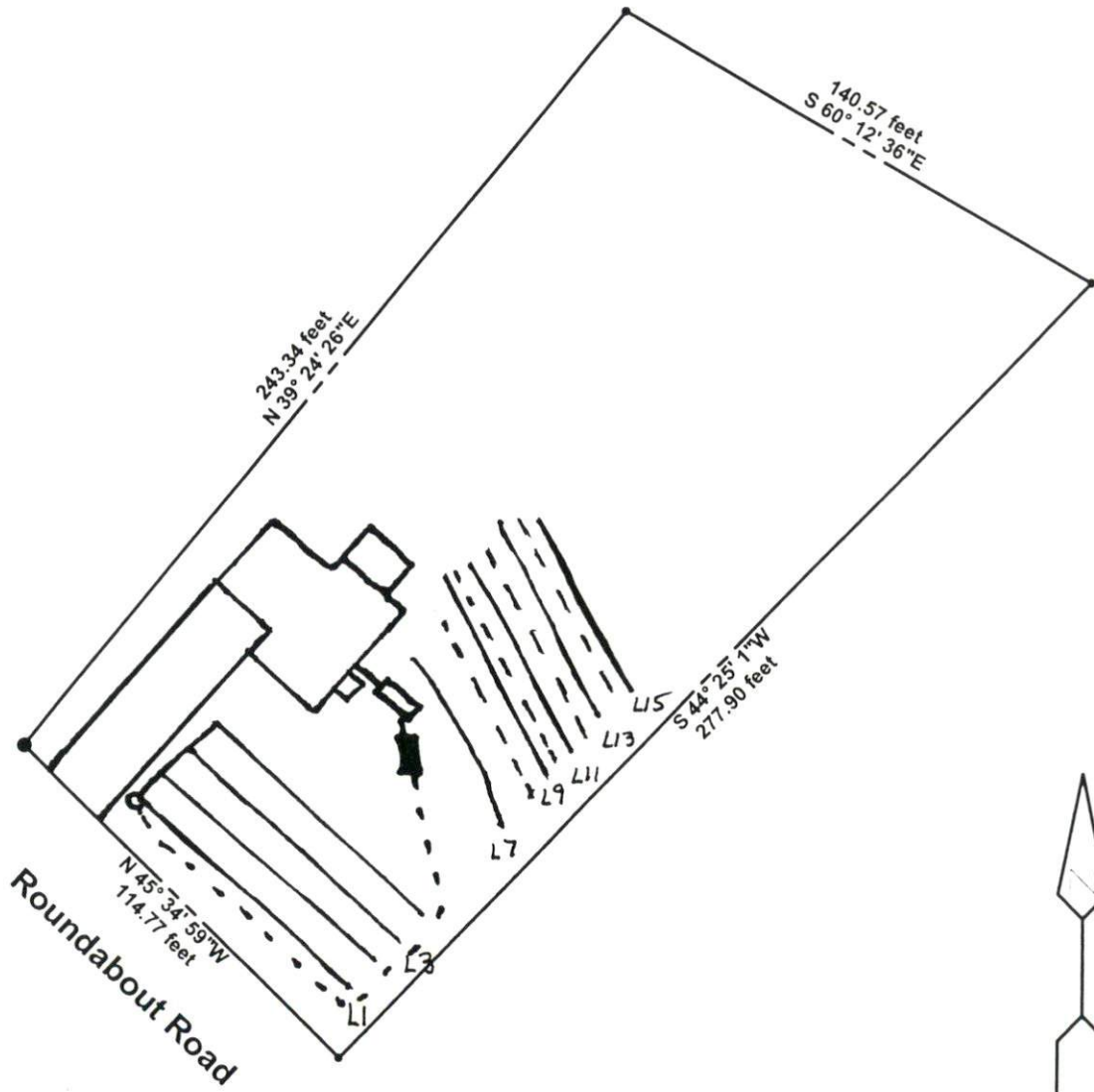
House Footprint: 47' x 46' (No Foundation Drain)
Bedrooms: 3

Initial System: 4 x 75' pump conventional
off contour at: 18 to 24 inches
LTAR: 0.4 gpd/sqft
Repair System: low-pressure pipe (480 ft)
on contour at: 12 inches
LTAR: 0.12 gpd/sqft

Prepared By: LJF
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LEGEND

☆	EIP	□	Septic Tank
⊔	Step-down	■	Pump Tank
⊕	Proposed Well	⊙	D-Box
⊗	Existing Well	⊞	Pressure Manifold



Lot 77, Starwood Subdivision

Lines 1-4 flagged off contour on 9-ft centers.

Odd Lines 5-15 are flagged on 10-ft centers.

Initial/ Repair	Line #	Color	Drainline Length(ft)	Measured Field Line Length (ft)	Relative Elevation (ft)
Initial	1	R	75	75	97.18
Initial	2	B	75	75	off contour
Initial	3	Y	75	75	off contour
Initial	4	W	75	75	off contour
N/A	5	R	0	46	92.92
N/A	6		0	Interpolated	
Repair	7	Y	45	45	91.73
Repair	8		50	Interpolated	
Repair	9	W	60	60	90.17
Repair	10		60	Interpolated	
Repair	11	R	55	58	89.07
Repair	12		55	Interpolated	
Repair	13	B	55	55	87.73
Repair	14		50	Interpolated	
Repair	15	Y	50	51	86.72
Pump Tank:					
		Total:	780	615	EIP=0