

HAL OWEN & ASSOCIATES, INC.

SOIL & ENVIRONMENTAL SCIENTISTS

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23 May, 2003

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

Reference: Lot 74, Starwood Subdivision
Septic System Layout and Design

Dear Mr. West,

Lot 74 has been recombined with a portion of Lot 75 as we discussed at the site. The attached map shows the new property boundaries as well as a proposed septic system demonstration for a three-bedroom home. The initial septic system is proposed as a gravity driven system utilizing serial distribution to 350 feet of conventional drainline (LTAR 0.35 gal/day/sqft). Ditch bottom depths for the initial system should be targeted at 18 inches and should not exceed 22 inches below surface. A curtain drain is required immediately uphill from the system but not closer than 10 feet to any part of the system. The repair area is proposed across the creek and will utilize a pump to a pressure manifold to uneven length conventional drainlines totaling 400 feet (LTAR 0.3 gal/day/sqft). Ditch bottom depths for the repair system should be targeted at 12 inches and should not exceed 14 inches below 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,



Hal Owen
Licensed Soil Scientist



CC: Bob Stafford

77

se Three-B
 od at Overhills
 Map Number 98-414

76

cut Road

Cone Court 50' Public R/W

50' Public R/W

73

Phase Three-B
 Starwood at Overhills
 Harnett County M Number 98-414

75
 1.222 Ac. Original
 - 0.312 Ac. Recombined
 0.910 Ac. Residual

Pump to Pressure Manifold
 (uneven length conventional lines)
 ON CONTOUR AT 12 INCHES
 L TAR 0.3 gal/day/sf

1x350ft Gravity Driven Conventional
 ON CONTOUR AT 18 INCHES
 L TAR 0.35 gal/day/sf

74
 0.395 Ac. Original
 + 0.312 Ac. Recombined
 0.707 Ac. Total

Line #	Color	Length
1	B	30
2	W	60
3	R	55
4	B	50
5	W	47
6	R	43
7	B	40
8	W	30
9	R	25
Total		380
10	R	67
11	B	70
12	W	73
13	R	68
14	B	67
15	W	57
Total		402

