S&ME

Health Dept. copy

To: Iredell County Environmental Health Division

From: Paul G. Penninger, LSS
Patrick Mitchell, RS, LSS-IT

RE: Riverwood Bend Subdivision – Lakeland Luxury, Inc. – Lot 17 Fast Track

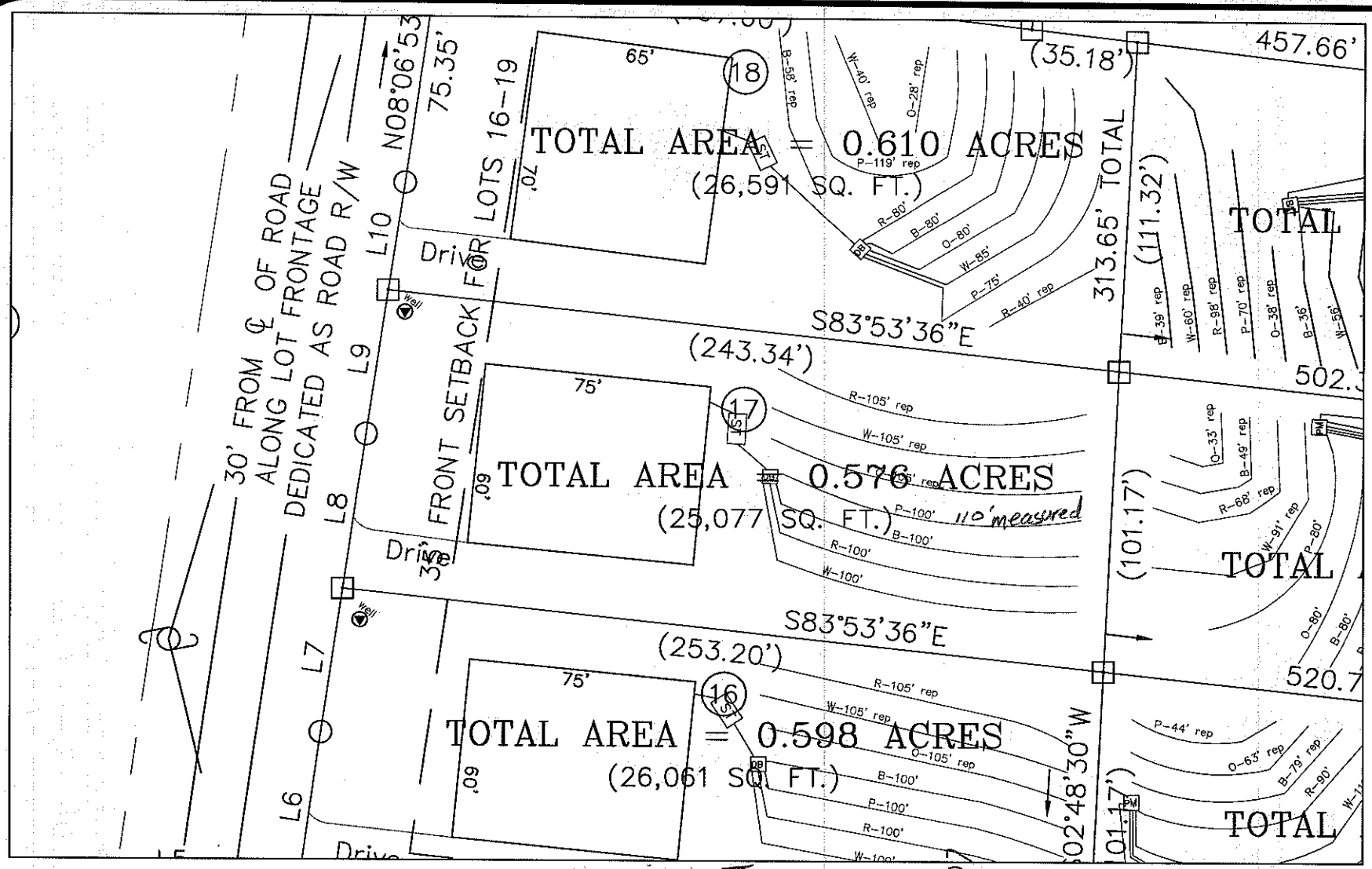
Date: November 15, 2007

Attached is the Fast Track information required to place Lot 17 in Riverwood Bend Subdivision on your developer work list to review the septic system layouts. Please call when you are ready to review the lot and we will meet you on the site.

The attached information is not an Improvement Permit or Authorization to Construct, and is only to assist the Iredell County Environmental Health Department (ICHD) with the site evaluation. The ICHD has to approve each lot and only the ICHD can issue these permits. The system should be installed according to the ICHD permits, policies, and NC rules. If the ICHD wishes to change tank locations, distribution devices, etc., this can be shown on the Improvement Permit.

All information and specifications were prepared in conjunction with the Fast Track Program for Iredell County and are for the use of Lakeland Luxury, Inc. in acquiring permits under the Fast Track Program. All soil work has been approved by Judy Melville of the Iredell County Health Department. It is ultimately the Iredell County Health Department's responsibility to verify all specifications before permitting and/or septic system installation.

S&ME, INC. / 385 Timber Road, Suite 104 / Mooresville, NC 28115-7899 / p 704.662.8625 f 704.662.8735 / www.smeinc.com



100' Well

3 2510 D-Br' 60 Slope 1070 Paved

DK 11-19-07 gm

SCALE: 1" = 50'	DATE: 11-14-07	S&ME 3716 OLD BATTLEGROUND ROAD GREENSBORO, NC 27410 PH. 336-288-7160 FAX. 336-288-8980 WWW.SMEINC.COM	Lot 17 Riverwood Bend Subdivision – McCrary Rd. Iredell County, NC	FIGURE NO. 1
PROJECT NO. 1588-07-051	DRAWN BY: JBP			
	CHECKED BY: PLM			

E:	AS SHOWN
:	10/03/07
WN BY:	PLM
JECT NO:	588-07-051

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PRELIMINARY

FIGURE NO.

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet ___ of ___
PROPERTY ID #: _____
COUNTY: _____

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Lakeland Luxury — APPLICATION DATE _____
ADDRESS: _____ — DATE EVALUATED: _____
PROPOSED FACILITY: 4 BR SFD — PROPOSED DESIGN FLOW (.1949): 480 GPD — PROPERTY SIZE: _____
LOCATION OF SITE: LOT 17 — PROPERTY RECORDED: _____
WATER SUPPLY: ☒ Private ☐ Public ☒ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut — TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1 (20)	L 2-6%	0-30	Mo, sbk, g/c	Fr, ss, sp	(Red)				0.30
		30-45	WK, sbk, CL	Fr, ss, sp	(Red) C-M Sap. Inclus,				
		45-54	Mass., L-Sap.	Fr, ss, sp	(Mult.) F-CL Pockets		@45"		
2	6%	0-4	gr sCl	fr sssp	Red Br.				.3
		4-29	mo sbk C	fr sssp	Red				
		29-48	mo sbk Cl	& sap	m-sap				
3		0-3	gr sl		Br				.275
		3-30	mo sbk C		f-WR				-.3
		30-43	mo sbk/lamk Cl		C-sap				
		43-49	Mass. sap/WR						
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		
System Type(s)		
Site LTAR		

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____
EVALUATED BY: _____
OTHER(S) PRESENT: _____
COMMENTS: _____

Lot 17 Riverwood Bend Subdivision Fast Track Septic System Information

Number of Bedrooms	**4**
Basement or Crawl	**Crawl Space**
Design Flow (gpd)	**480**
Primary System Type	**25% Reduction**
LTAR (gpd)/ft2	**0.3**
Total Ft. Line	400
No. Lines	4 (See Table)
Pump Required	No
Distribution Device	Distribution Box
Maintenance Agreement Required	No
Repair System	**LP PPBPS**
Total Ft. Line	315
Repair System Loading Rate	0.3

Table: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)
1	Repair	Red	LP PPBPS	105
2	Repair	White	LP PPBPS	105
3	Repair	Orange	LP PPBPS	105
4	**System**	**Pink**	**25% Reduction**	**100**
5	**System**	**Blue**	**25% Reduction**	**100**
6	**System**	**Red**	**25% Reduction**	**100**
7	**System**	**White**	**25% Reduction**	**100**
				Total System: 400'
				Total Repair: 315'

Tank	Red	1000 gal (2 compartment)
House	Blue	