S&ME

OKDRH
3-1-06

To: Iredell County Environmental Health Department

From: Paul G. Penninger, LSS
Kathleen Haver, LSSIT

RE: Rocky Ridge Farm Subdivision – Dienst Enterprises – Lot 17 Fast Track

Date: February 22, 2006

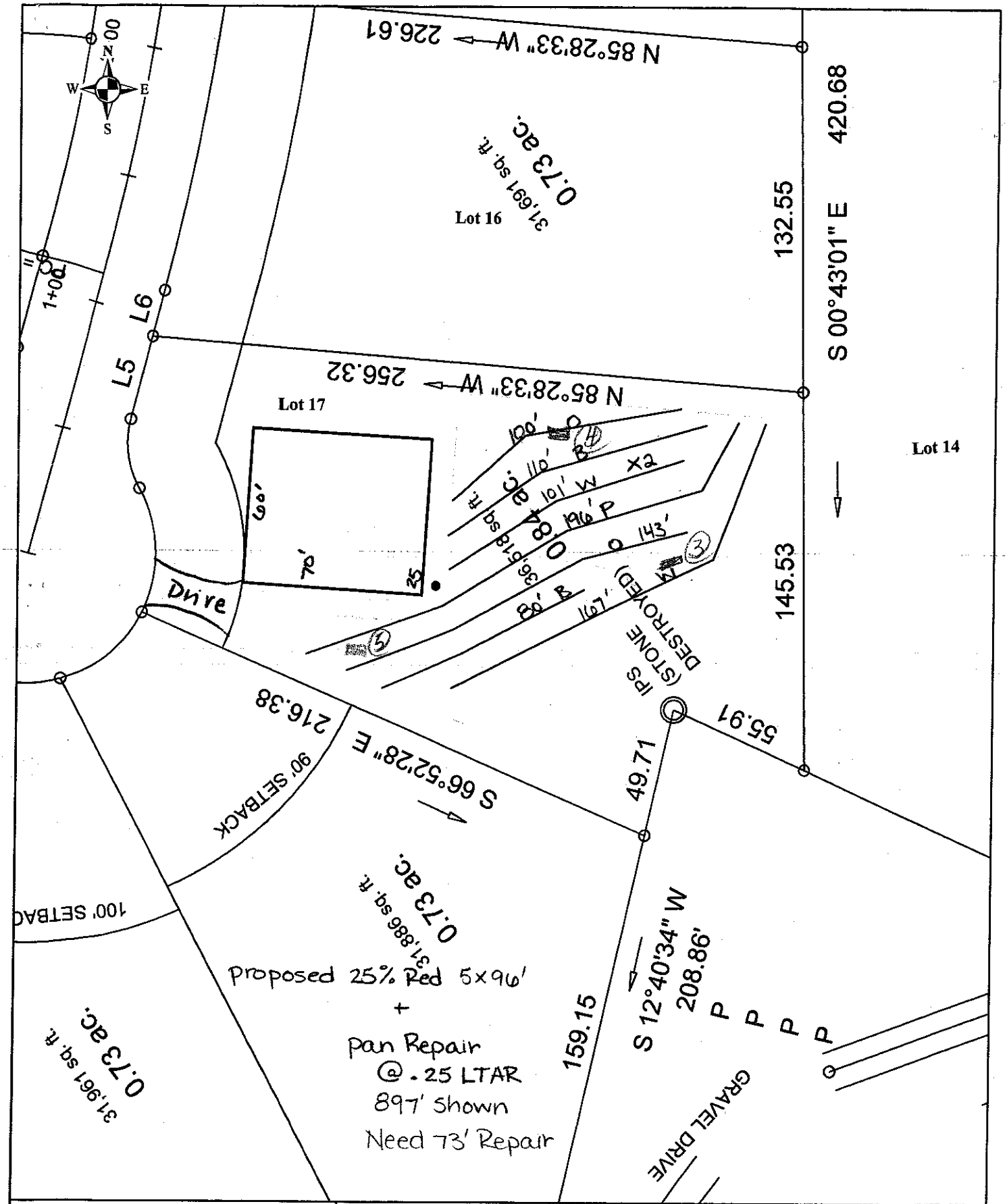
Attached is the Fast Track information required to place Lot 17 Rocky Ridge Farm on your developer work list to review the septic system layouts. Please call when you are ready to review the lot and we will meet you on the site.

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.

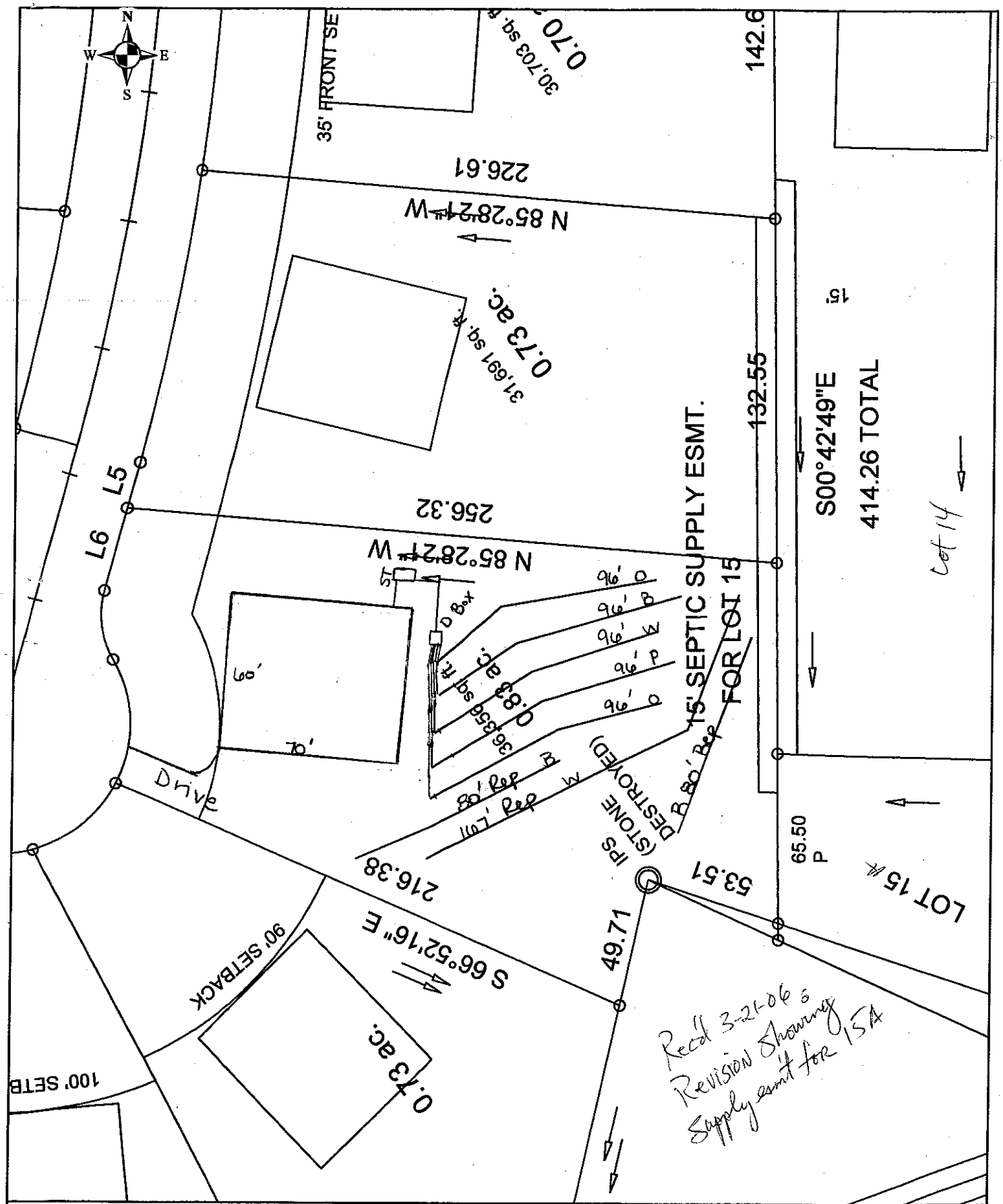
All information and specifications were prepared in conjunction with the Fast Track Program for Iredell County and are for the sole use of Bob Dienst of Dienst Enterprises in acquiring permits under the Fast Track Program. All soil work has been approved by David Hinson of the Iredell County Health Department. 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, North Carolina 28115-7899

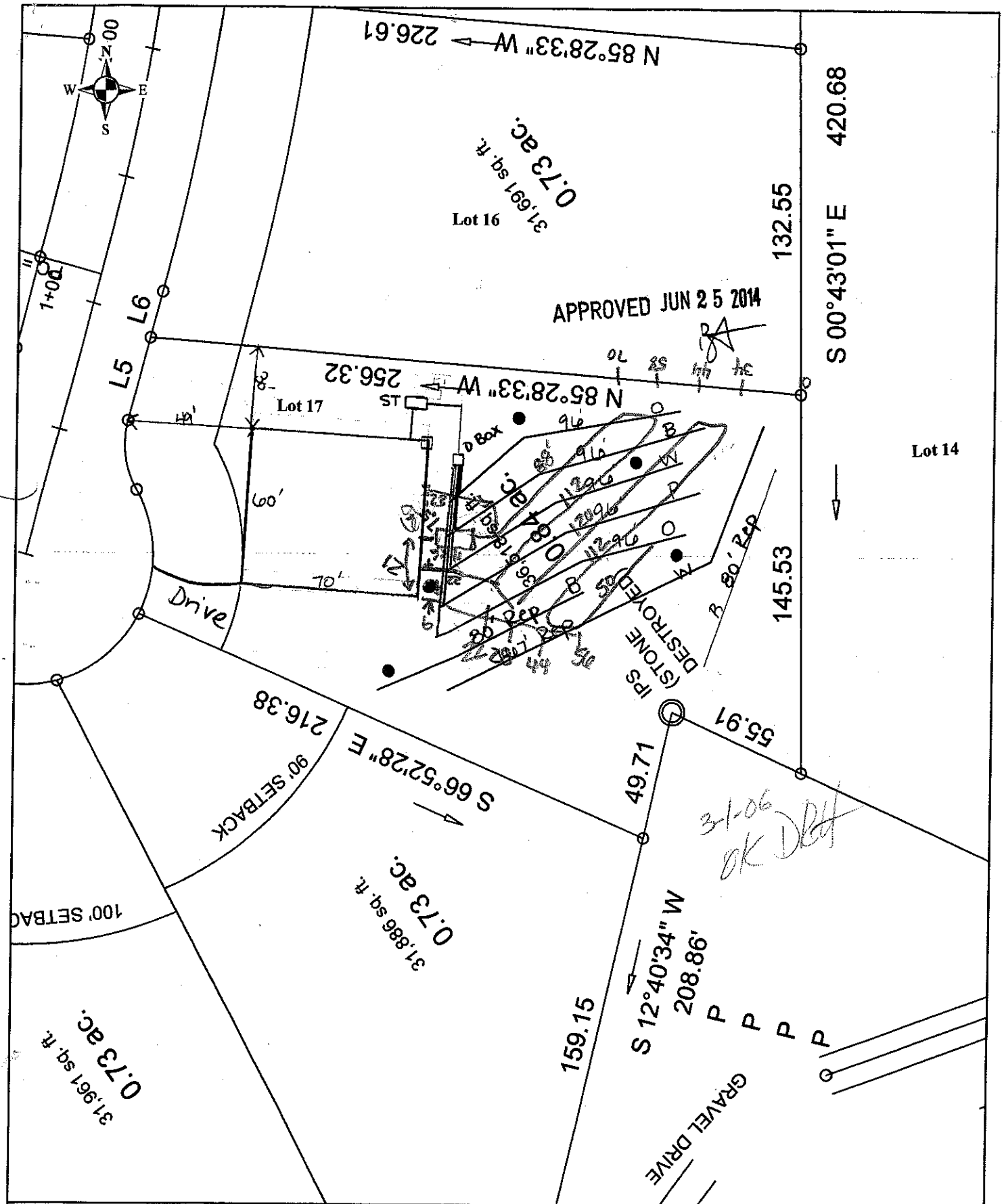
(704) 662-8625
(704) 662-8735 fax
www.smeinc.com



Scale: 1 inch equals 50 feet	S&ME	Rocky Ridge - Lot 17	FIGURE
Drawn by: JBP		Scaled, Detailed Site Plan	1
Reviewed by: PGP		Iredell County, NC	
Date: January, 2006	ENVIRONMENTAL SERVICES • ENGINEERING • TESTING	S&ME Project #1588-05-081	



Scale: 1 inch equals 50 feet	S&ME	Rocky Ridge - Lot 17	FIGURE
Drawn by: JBP		Scaled Detailed Site Plan	1
Reviewed by: PGP		Iredell County, NC	
Date: March, 2006	ENVIRONMENTAL SERVICES • ENGINEERING • TESTING	S&ME Project #1588-05-081	



Scale: 1 inch equals 50 feet	S&ME	Rocky Ridge - Lot 17	FIGURE
Drawn by: JBP		Scaled, Detailed Site Plan	1
Reviewed by: PGP		Iredell County, NC	
Date: January, 2006	ENVIRONMENTAL SERVICES • ENGINEERING • TESTING	S&ME Project #1588-05-081	

...MENT OF ENVIRONMENT, HEALTH, AND NATURAL RESOURCES
...SION OF ENVIRONMENTAL HEALTH
...N-SITE WASTEWATER SECTION

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

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Rocky Ridge APPLICANT: ___
ADDRESS: ___ APPLICATION DATE: ___ DATE EVALUATED: 1/16/06
PROPOSED FACILITY: House PROPOSED DESIGN FLOW (.1949): 480 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) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
25	L	0-12	WK SBK SCL	FR SS/SP	Br				
		12-45	SBK/ABK C	FI S/P	Red; F	yel Br			.25 to 45"
AH 2	L	0-9	Mo GR SL	FR ns/np	Br				
		9-21	Mo SBK C	FR SS/SP	Red				
		21-46	WK SBK CL	FR SS/SP	Red; C quartz	Sap; F pieces 21"+	yel Br	21-26 drainage	.25 to 46"
3	8-8-06	0-13	gr brn SL	fr ss sp					
		13-36	SBK red C	fi sp ss sp					.25
		36-53	SBK red C tsm	fi fr sp ss sp					
4	UP/O S/L	0-15	WK SBK brn SL	fr ss sp					
		15-36	ABK Red C	fi sp ss sp	common yel/mottles				.25
		36-53	WK SBK VF	fr ss sp	common coarse yellow mottles				

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

OTHER FACTORS (.1946): ___
SITE CLASSIFICATION (.1948): ___
EVALUATED BY: ___

(OVER)

(5)

0-6 gy bsa sl fr
6-13 wksbk cl frsssp
13-31 mfsbk red c fi fr sp ssp few gravel
31-52 wksbk red c fr sp ssp few gravel

Lot 17 Rocky Ridge Farm 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	**0.25**
Total Ft. Line	480
No. Lines	5 (See Table)
Pump Required	No
Distribution Device	Distribution Box
Maintenance Agreement Required	No
Repair System	**LP PPBPS**
Total Ft. Line	327
Repair System Loading Rate	0.25

Table: Summary of Primary and Repair Nitrification Line Specifications

Line No.	Use	Line Color	System Type	Line Length (Ft.)
1	System	Orange	25% Reduction	96 endfed
2	System	Blue	25% Reduction	96 endfed
3	System	White	25% Reduction	96 endfed
4	System	Pink	25% Reduction	96 endfed
5	System	Orange	25% Reduction	96 endfed
6	Repair	Blue	LP PPBPS	80
7	Repair	White	LP PPBPS	167
8	Repair	Red	LP PPBPS	80
			Total System:	480'
			Total Repair:	327'

Tank	Red	1500 gal (2 compartment)
House	Blue	











