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3-22-06

To: Iredell County Environmental Health Department

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

RE: Rocky Ridge Farm Subdivision – Dienst Enterprises – Lot 19 Fast Track

Date: February 22, 2006

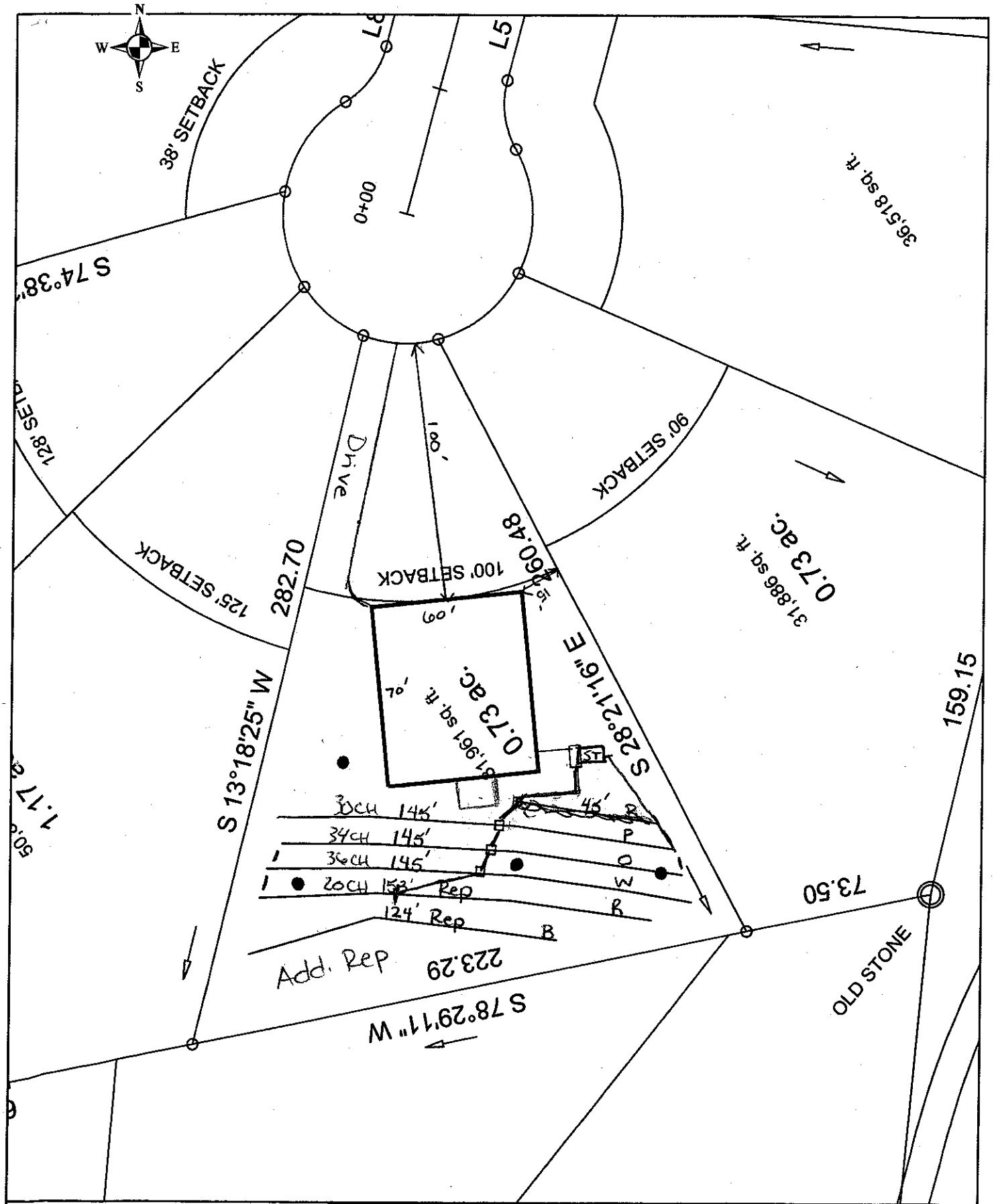
Attached is the Fast Track information required to place Lot 19 Rocky Ridge Farm on your developer work list to review the septic system layouts. Please call when you are ready to review the lot and we will meet you on the site.

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.

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| | | | |
|---|---|---|---|
| Scale: 1 inch equals 50 feet | S&ME | Rocky Ridge - Lot 19 | FIGURE |
| Drawn by: JBP | | Scaled Detailed Site Plan | 1 |
| Reviewed by: PGP | | Iredell County, NC | |
| Date: February, 2006 | ENVIRONMENTAL SERVICES • ENGINEERING • TESTING | S&ME Project #1588-05-081 | |

# Lot 19 Rocky Ridge Farm Subdivision Fast Track Septic System Information

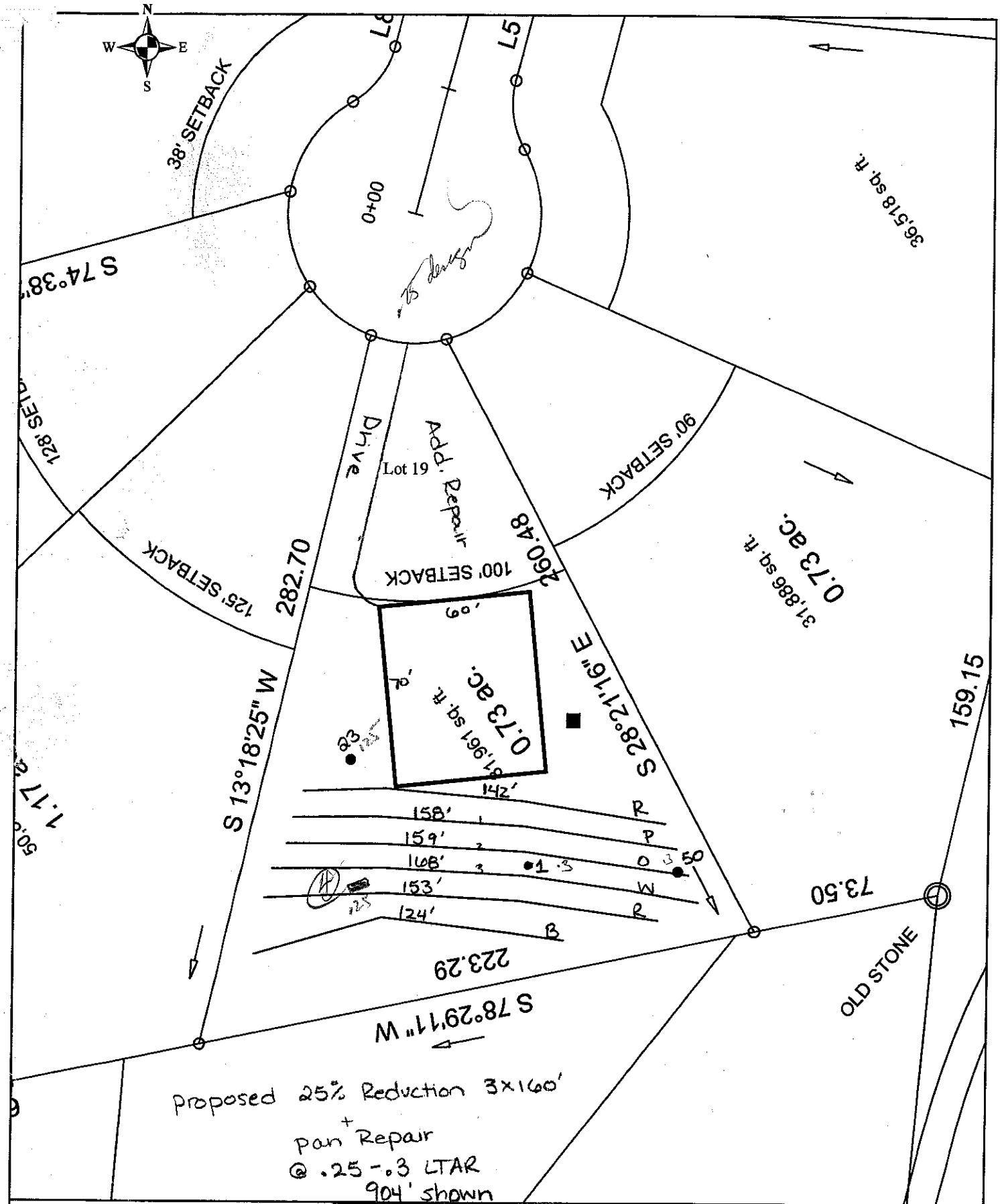
| | |
|---|---|
| **Number of Bedrooms** | **4** |
| **Basement or Crawl** | **Crawl Space** |
| **Design Flow (gpd)** | **480** |
| | |
| **Primary System Type** | **25% Reduction** |
| **LTAR (gpd)/ft2** | **0.25** |
| Total Ft. Line | 480 |
| No. Lines | 4 (See Table) |
| | |
| Pump Required | No |
| | |
| Distribution Device | Drop Boxes |
| | |
| Maintenance Agreement Required | No |
| | |
| **Repair System** | **LP PPBPS** |
| Total Ft. Line | 277 |
| 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 | Red | 25% Reduction | 45 endfed |
| 2 | System | Pink | 25% Reduction | 145 centerfed |
| 3 | System | Orange | 25% Reduction | 145 centerfed |
| 4 | System | White | 25% Reduction | 145 centerfed |
| 5 | Repair | Red | LP PPBPS | 153 |
| 6 | Repair | Blue | LP PPBPS | 124 |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |
| | | | | Total System: 480' |
| | | | | Total Repair: 277' |

| | | |
|---|---|---|
| Tank | Red | 1500 gal (2 compartment) |
| House | Blue | |

**Note: Additional Repair Area located downslop from last repair line**




| | | | |
|---|---|---|---|
| Scale: 1 inch equals 50 feet | S&ME | Rocky Ridge - Lot 19 | FIGURE |
| Drawn by: JBP | | Scaled Detailed Site Plan | 1 |
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OF ENVIRONMENTAL HEALTH
WASTEWATER SECTION

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 19 PROPERTY RECORDED: _____
WATER SUPPLY: ☐ Private ☒ Public ☒ Well ☐ Spring ☐ Other _____
EVALUATION METHOD: ☒ Auger Boring ☒ Pit ☐ Cut
TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

| PROFILE # | .1948 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 |
|---|---|---|---|---|---|---|---|---|---|
| AH-1 | L | 0-3 | Wk SBK SCL | FR SS/SP | Red Br | | | | |
| | | 3-18 | Mo SBK C | FR SS/SP | Red; F Sap | | | | |
| | | 18-46 | Mo/Wk SBK CL | FR SS/SP | Red; F/C Sap | | | | -3 |
| 23 | L | 0-30% | Mix CL, C, Sap & weathered Rock | | | | | | |
| | | | 2 Chroma Relic @ 30-36" | | | | | | .25 |
| | | | C Yel Br (drainage) throughout | | | | | | Shallow conv or 25%? |
| 50 | L | 0-43 | Mo SBK C/CL | FR SS/SP | Red | | | | -3 |
| 4 | 2-8% 5% L | 0-4 | wk SBK fr sandy L | fr ss sp | | | | | |
| | | 4-30 | Mo SBK red clay | fr sp ss sp | Low chroma | | | | .25 |
| | | 30-54 | wk SBK red clay | fr sp ss sp | | | | | |

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

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