IREDELL COUNTY HEALTH DEPARTMENT

Application For Improvement Permit and/or Authorization To Construct, Existing System Inspection

(THE ABOVE PERMIT DOCUMENTS WILL BECOME INVALID IF INFORMATION PROVIDED ON THIS APPLICATION IS FALSIFIED OR CHANGED, OR IF THE SITE IS ALTERED. THE IMPROVEMENT PERMIT IS VALID FOR EITHER 60 MONTHS OR WITHOUT EXPIRATION DEPENDING UPON DOCUMENTATION SUBMITTED - APPLICATION WITH SITE PLAN 60 MONTHS, APPLICATION WITH COMPLETE, SCALED PLAT WITHOUT EXPIRATION. SEE 15A NCAC 18A .1937(f) FOR DETAILS)

1. APPLICATION FOR: (✓ Improvement Permit) ___Authorization To Construct X BOTH ___Existing System Inspection

2. Page 2: *Site Plan Worksheet* Form MUST Accompany This Application
   The following optional attachments may also be submitted: X Survey Plat, Scaled no more than 1 Inch = 60 Feet
   Place check ( ) beside whichever is submitted if applicable ___ Custom Site Plan, Scaled no more than 1 Inch = 60 Feet

3. **Applicant Information:**

Applicant Name	Mailing Address	Home Phone	Work Phone
Jay Johnstone	PO Box 2218	704-987-5369	704-309-0433
Owner Name	**Mailing Address**	**Home Phone**	**Work Phone**
David Fiorenza			

4. **Property Information:**

Street Address	Subdivision Name	Section/Phase and Lot Number
147 St. Charles Lane	N/A	111

Driving Directions: 77 South to Exit 36, Right on 150, Right on Perth Rd, Left on Fern Hill, Right on St. Charles Ln.

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5. **RESIDENTIAL Site Development Information:** *(Check or Complete ALL that apply)*

(X) New, Single Family Residence
( ) New, Multi-Family Residence
( ) Expansion of Existing Septic System
( ) Repair To Failing Septic System

Maximum Number of Bedrooms 4 or 5
Maximum Number of Occupants ___
If Expansion, Current Number of Bedrooms ___

( ) Crawl Space Foundation?
( ) Concrete Slab Foundation?
(X) Basement w/Plumbing?
( ) Basement w/out Plumbing?

IF Non- Residential Site Development:
Type of Business ___
Square Footage of Building ___
Maximum Number of Employees ___
Maximum Number of Seats ___

****

6. **Proposed Water Supply:**

(X) New Well (X) Existing Well ( ) Community Well ( ) City Water ( ) Other Public Water

****

7. **Desired Septic System Type:** *(You may rank in order of preference, if any)*

( ) Alternative ( ) Conventional ( ) Innovative ( ) Modified Conventional ( ) Other_____ (X) No Preference

****

8. **Please Answer The Following To The Best of Your Ability:**

( ) Yes (X) No Does the site contain any jurisdictional wetlands?
( ) Yes (X) No Is any non-domestic sewage (i.e. industry) to be generated?
( ) Yes (X) No Is the site subject to approval by any other public agency?

****

I have read this application and certify that the information provided herein is true, complete, and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed.

9. Signature: _____ 1/15/08
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

August 12, 2008

Iredell County Health Department
610 East Center Avenue
Mooresville, NC 28115

Attention: Mr. Anthony Coker, R.S.I.

Reference: Septic System Proposal for 147 St. Charles Lane
Iredell County, N.C.
S&ME, Inc. Project No. 1588-08-086

Dear Mr. Coker:

S&ME, Inc (S&ME) has provided technical assistance in regards to the soil evaluation for the proposed septic system for the above referenced property in Iredell County, North Carolina. The evaluation was performed in general accordance with S&ME Proposal No. 1588-08-P131 dated July 31, 2008. All work was done in accordance with the "Laws and Rules for Sewage Treatment and Disposal Systems (15A NCAC 18A .1900)".

BACKGROUND

The referenced property is located in an older subdivision off St. Charles Lane. The lot was recorded in 1976, so the reduced setbacks to property lines, etc. described in rule .1951 can be used for this lot. The lot was recently permitted by the Iredell County Health Department (ICHD) in February, 2008. S&ME was contacted by Mr. John Shryock of Artisan Homes after fill material was encountered in the permitted building pad. Artisan wanted to move the permitted house pad to the area where the existing system was located.

SYSTEM RECOMMENDATIONS

S&ME visited the lot on August 5, 2008 with Mr. Coker to review the soil evaluation performed by the ICHD and the proposed system location. Mr. Coker assisted S&ME in flagging the revised system location. To determine if the required setbacks were met between the basement wall and septic system, S&ME met the surveyor on August 7, 2008 to locate the proposed, flagged septic lines. The attached site plan from the surveyor shows the located septic lines and the revised, proposed house pad. Also, shown is the proposed well location. S&ME reviewed the attached site plan with Mr. Coker on August 11, 2008.

The following items should be considered when revising the permit:

- The small area at front, right of the house must be changed from basement to crawl space, so the required 25 foot setback can be maintained to the basement wall foundation drain;

- The 12 inch drain crossing onto lot 111 from lot 110 should be moved from the proposed well location;
- The existing drive off St. Charles shall be used to access the lot. The drive will need to be built up with added soil/gravel at the ends of the primary system septic lines;
- The septic areas should be fenced off during home construction to protect soil from construction traffic.

All soil work for the proposed system was completed by the ICHD. The revised system area is the same area originally permitted by the ICHD in February 2008. The attached information is not an Improvement Permit or Authorization to Construct, and is only to assist the ICHD and Artisan Custom Homes with the site evaluation. The ICHD must approve each lot and only the ICHD can issue these permits. It is ultimately the Iredell County Health Department's responsibility to verify all soils and system specifications, and required setbacks for wells and septic systems before permitting and/or septic system installation. Soil evaluations and system layouts are done based on interpretations of the rules governing wastewater treatment and disposal systems and are not guarantees for site approval or future septic system performance.

Thanks for your time in reviewing this proposal. Please call if you have any questions concerning this proposal.

Sincerely,

S&ME, Inc.

Rob Willcox KMS

Rob Willcox, L.S.S.
Natural Resources Department Manager

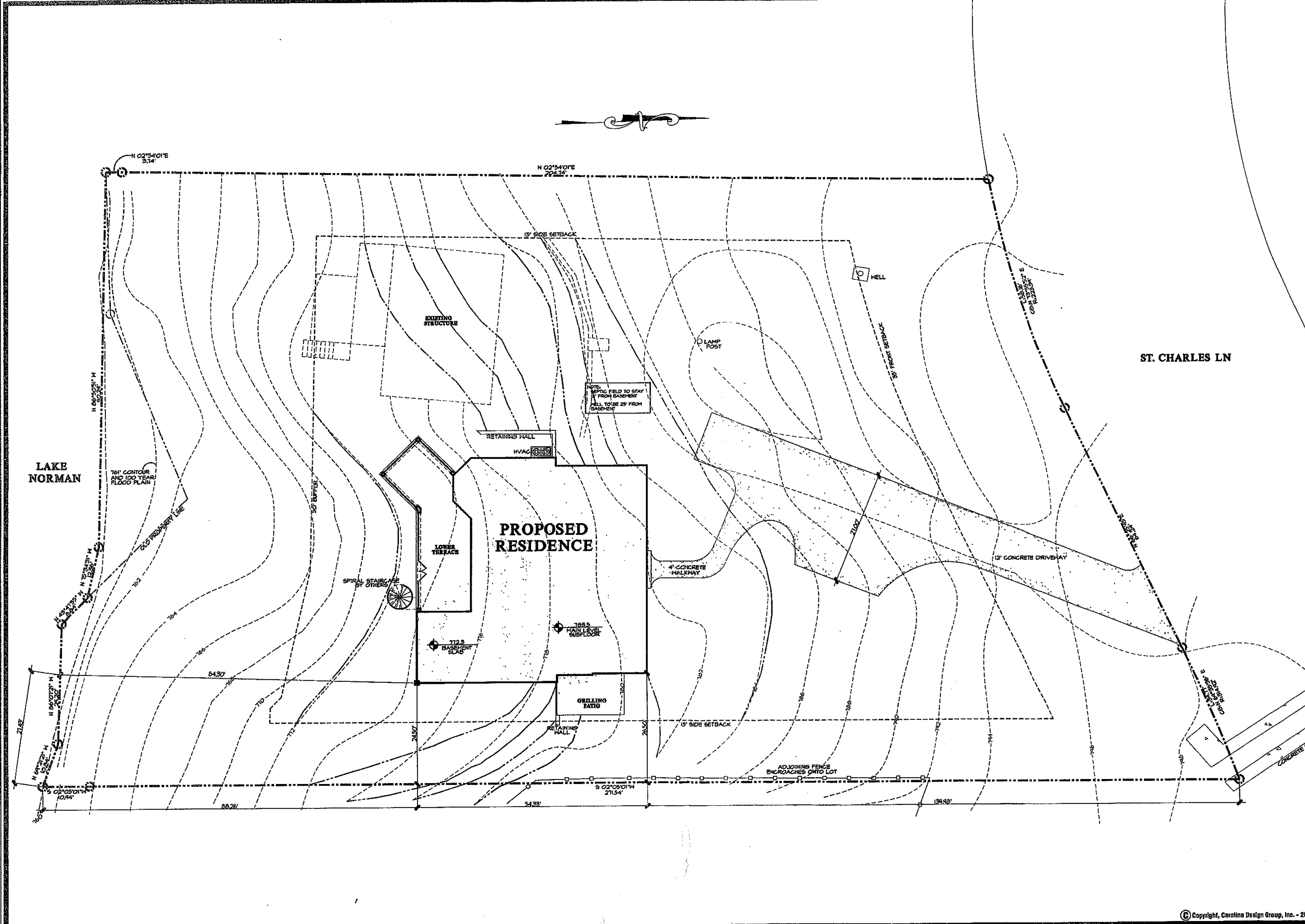
Paul Penninger, L.S.S.
Senior Soil Scientist

Attachments:

1. Site Plan
2. 1976 Recorded Map
3. February 2008 Septic Permit

cc: Mr. John Shryock, Artisan Custom Homes

S:\1588\1588 REPORTS\Reports.08\1588-08-086 147 St. Charles Lane



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Submittal and Revision Dates

Date	Description
5-5-08	Floors and Elevations to Client
6-27-08	Bested Drawings to Client

A New Vacation Retreat For

David and Kathleen

Fiorenza

147 St. Charles Lane

SEAL

DRAWN BY	DATE
LINDSAY KEY	6-26-08
CHECKED BY	JOB NUMBER
DS/RWA	FIOR-239-08

CAROLINA DESIGN GROUP HAS EXECUTED REASONABLE CARE AND PROFESSIONAL SKILL IN PREPARATION AND EXECUTION OF THESE DOCUMENTS, BUT DOES NOT GUARANTEE "PERFECT" DOCUMENTS OR "FLAWLESS" JUDGMENT

DRAWING TITLE: SITE PLAN

SCALE: 1" = 10'-0"

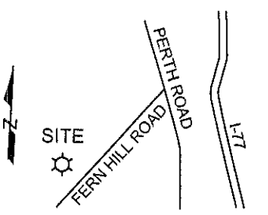
SHEET NO: 3 OF 16 SHEETS

PHYSICAL SURVEY

RECREATION LOTS
SECTION 15
MAP BOOK 14, PAGE 10
LOT 111 (TRACT ONE)
& TRACT TWO

LEGEND

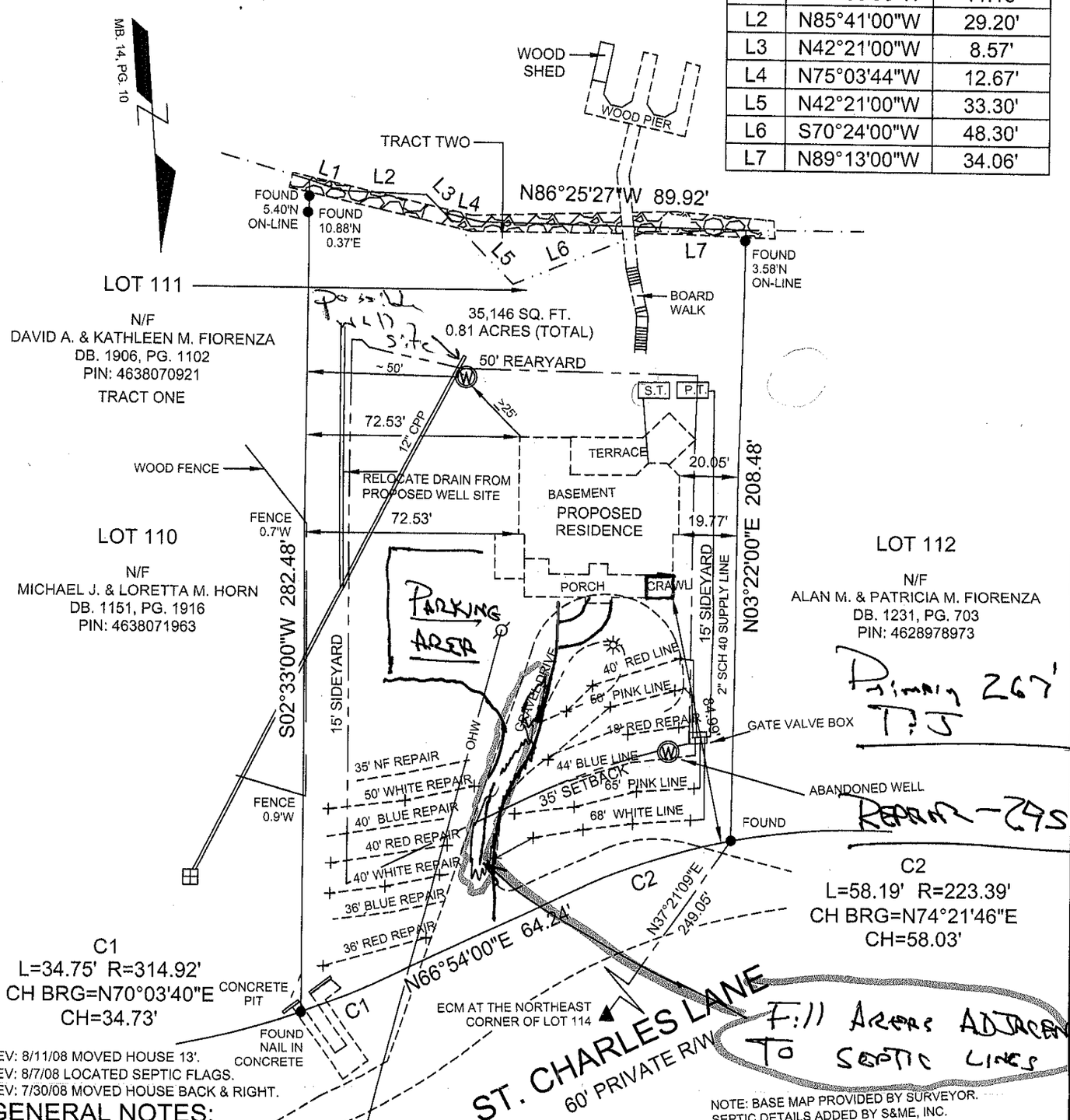
- FOUND OR SET REBAR
- LINES NOT SURVEYED
- CPP — CORRUGATED PLASTIC PIPE
- OHW — OVERHEAD WIRE
- ECM — EXISTING CONCRETE MONUMENT
- LIGHT POLE
- WELL
- UTILITY POLE
- EDGE OF GRAVEL
- LANDMARK TIE (AS NOTED)



VICINITY MAP
(NO SCALE)

LAKE NORMAN

LINE	BEARING	DISTANCE
L1	N68°55'00"W	11.16'
L2	N85°41'00"W	29.20'
L3	N42°21'00"W	8.57'
L4	N75°03'44"W	12.67'
L5	N42°21'00"W	33.30'
L6	S70°24'00"W	48.30'
L7	N89°13'00"W	34.06'



REV: 8/11/08 MOVED HOUSE 13'.
REV: 8/7/08 LOCATED SEPTIC FLAGS.
REV: 7/30/08 MOVED HOUSE BACK & RIGHT.

NOTE: BASE MAP PROVIDED BY SURVEYOR.
SEPTIC DETAILS ADDED BY S&ME, INC.

GENERAL NOTES:

1. APPARENT SOURCE OF TITLE: DEED BOOK 1906, PAGE 1102
   DEED BOOK 1507, PAGE 720.
2. PROPERTY SHOWN IS AN EXISTING PARCEL OF LAND.
3. LINEAR ERROR OF CLOSURE EXCEEDS 1:20,000.
4. AREA CALCULATED BY COORDINATE GEOMETRY METHOD.
5. N.C.G.S. MONUMENT NOT LOCATED WITHIN 2000' OF THIS SITE.
6. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE REPORT AND IS SUBJECT TO FACTS THAT SUCH MAY REVEAL.
7. UNLESS SIGNED AND SEALED THIS MAP IS PRELIMINARY.
8. PROPERTY IS ZONED "R-R" PER IREDELL COUNTY ZONING.

I, JOHN W. BALZER, CERTIFY THAT THIS PLAT WAS DRAWN FROM AN ACTUAL FIELD SURVEY PERFORMED UNDER MY DIRECT SUPERVISION, IS CORRECT TO THE BEST OF MY KNOWLEDGE.

JOHN W. BALZER
NCPLS L-3888

SUMMIT
LAND SURVEYING COMPANY
18716 W. CATAWBA AVENUE
CORNELIUS, NC 28031
(704) 895-0055

PREPARED FOR

DAVID A. & KATHLEEN M. FIORENZA

147 ST. CHARLES LANE
DAVIDSON TOWNSHIP IREDELL COUNTY
NORTH CAROLINA
MAY 20, 2008

GRAPHIC SCALE
0' 20' 40'
1" = 40'

JOB NO. 08-0476
DWG NO. 14-10-111