MECKLENBURG COUNTY
Health Department

October 5, 2011

Robert & Beryl Dixon
12900 Alexanderana Road
Huntersville, NC 28078

Re: Application for improvement permit for:
Property Site: 12832 Alexanderana Road
Health Department file number: **4793A**

Dear Property Owner or Owner's Agent:

The Mecklenburg County Health Department, Environmental Health Division on October 4, 2011 evaluated the above-referenced property at the site designated on the site plan that accompanied your improvement permit application. According to your application the site is to serve a three bedroom residence, with a daily design flow of 360 gallons per day. The evaluation was done in accordance with the laws and rules governing wastewater systems in North Carolina General Statute 130A-333 and related statutes and Title 15A, Subchapter 18A, of the North Carolina Administrative Code, Rule .1900 and related rules.

Based on the criteria set out in Title 15A, Subchapter 18A, of the North Carolina Administrative Code, Rules .1940 through .1948, the evaluation indicated that the site is **UNSUITABLE** for a ground absorption sewage system. Therefore, your request for an improvement permit is **DENIED.** A copy of the site evaluation is enclosed. The site is unsuitable based on the following:

- ☐ Unsuitable soil topography and/or landscape position (Rule .1940)
- ☒ Unsuitable soil characteristics (structure or clay mineralogy) (Rule .1941)
- ☒ Unsuitable soil wetness condition (Rule .1942)
- ☒ Unsuitable soil depth (Rule .1943)
- ☐ Presence of restrictive horizon (Rule .1944)
- ☒ Insufficient space for septic system and repair area (Rule .1945)
- ☐ Unsuitable for meeting required setbacks (Rule .1950)
- ☐ Other (Rule .1946)

These severe soil or site limitations could cause premature system failure, leading to the discharge of untreated sewage on the ground surface, into surface waters, directly to ground water or inside your structure.

The site evaluation included consideration of possible site modifications, and modified, innovative or alternative systems. However, the Health Department has determined that none of the above options will overcome the severe conditions on this site. A possible option might be a system designed to dispose of sewage to another area of suitable soil or off-site to additional property.

For the reasons set out above, the property is currently classified **UNSUITABLE,** and an improvement permit shall not be issued for this site in accordance with Rule .1948 (c).

However, the site classified as **UNSUITABLE** may be classified as **PROVISIONALLY SUITABLE** if written documentation is provided that meets the requirements of Rule .1948(d). A copy of this rule is enclosed. You may hire a consultant to assist you if you wish to try to develop a plan under which your site could be reclassified as **PROVISIONALLY SUITABLE.**

You have a right to an informal review of this decision. You may request an informal review by the soil scientist or environmental health supervisor at the local health department. You may also request an informal review by the N. C. Department of Environment and Natural Resources regional soil specialist. A request for informal review must be made in writing to the local health department.

You also have a right to a formal appeal of this decision. To pursue a formal appeal, you must file a petition for a contested case hearing with the Office of Administrative Hearings, 6714 Mail Center, Raleigh, NC 27699-6714. To get a copy of a petition form, you may write the Office of Administrative Hearings or call the office at (919) 733-0926 or from the OAH web site at www.oah.state.nc.us/form.htm. The petition for a contested case hearing must be filed in accordance with the provision of North Carolina General Statutes 130A-24 and 150B-23 and all other applicable provisions of Chapter 150B. N. C. General Statue 130A-335(g) provides that your hearing would be held in the county where your property is located.

Please note: If you wish to pursue a formal appeal, you must file the petition form with the Office of Administrative Hearings **WITHIN 30 DAYS OF THE DATE OF THIS LETTER.** The date of this letter is October 5, 2011. Meeting the 30-day deadline is critical to your right to a formal appeal. Beginning a formal appeal within 30 days will not interfere with any informal review that you might request. Do not wait for the outcome of any informal review if you wish to file a formal appeal.

If you file a petition for a contested case hearing with the Office of Administrative Hearings, you are required by law (N.C. General Statute 150B-23) to send a copy of your petition to the North Carolina Department of Environment and Natural Resources. Send the copy to: Office of General Counsel, N. C. Department of Environment and Natural Resources, 1601 Mail Service Center, Raleigh, NC. 27699-1601. Do **NOT** send the copy of the petition to your local health department. Sending a copy of your petition to the local health department will **NOT** satisfy the legal requirement in N.C. General Statute 150B-23 that you send a copy to the Office of General Counsel, NCDENR.

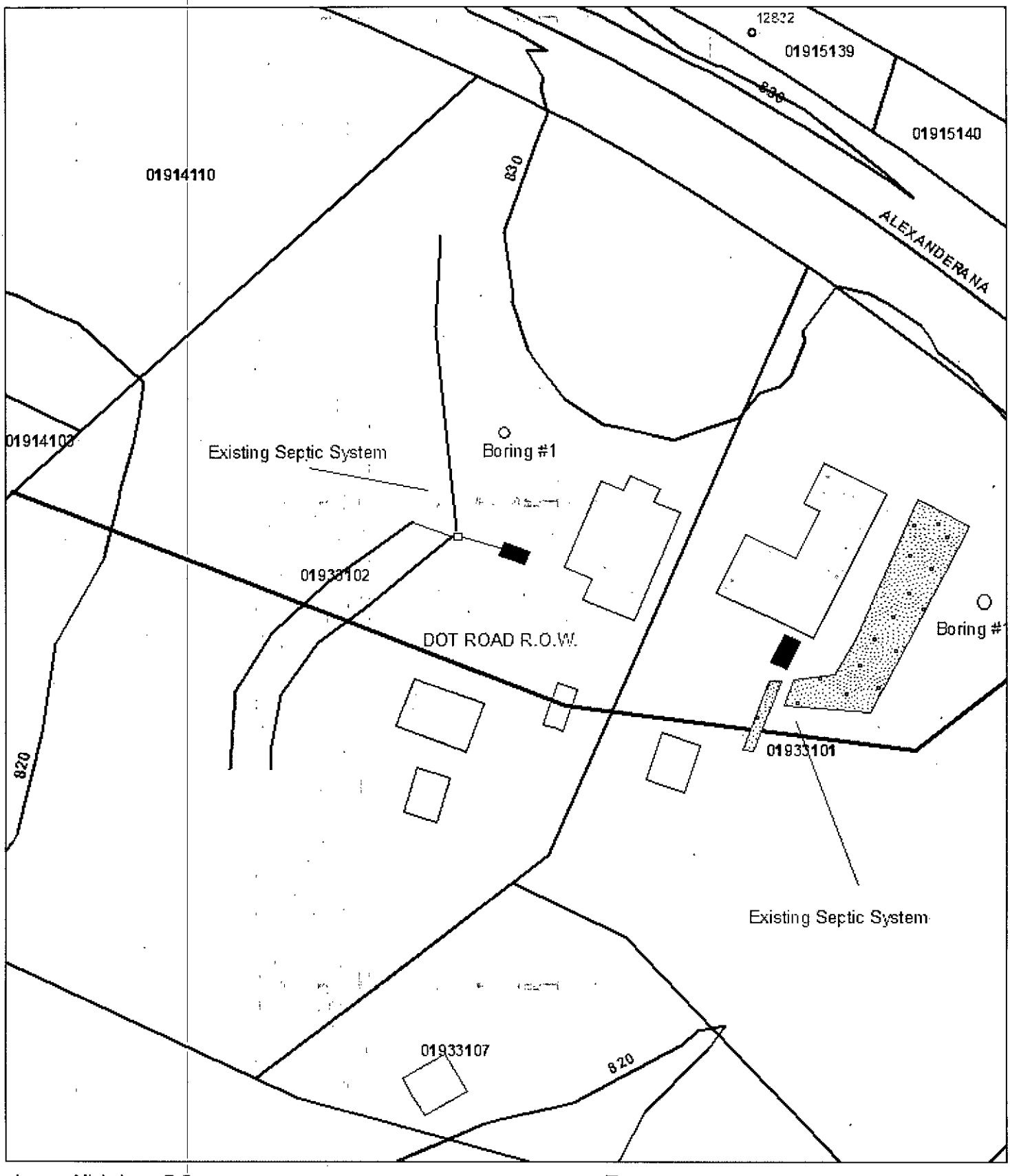
You may call or write the local health department if you need any additional information or assistance.

Sincerely,

Jeremy Michelone, R.S.
Authorized Agent - DENR

Encl: (2)

SOIL EVALUATION FOR:
12832 Alexanderana Road
FILE # 4793A



Jeremy Michelone, R.S.
October 5, 2011

N

0 30 60 120 Feet

Department of Environment, Health, and Natural Resources
Division of Environmental Health
On-site Wastewater Section

Property ID: 1933102
Lot #:
File #: 4793A
AppID: 5264

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Robert & Beryl Dixon
Applicant: Marty Reese
Address: 12900 Alexanderana Road Huntersville, NC 28078
Date Evaluated: 10/4/11
Proposed Facility: Residence Design Flow (.1949) 360 GPD
Property Size:
Location of Site: 12832 Alexanderana Road Huntersville, NC 28078
Property Recorded:
Water Supply: [x] Public [ ] Individual [ ] Well [ ] Spring [ ] Other
Evaluation Method: [x] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [x] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	SOIL MORPHOLOGY .1941			b PROFILE FACTORS				
	1940 Landscape Position/ Slope%	Horizon Depth (IN.)	1941 Structure/ Texture	1941 Consistence Mineralogy	1942 Soil Wetness/ Color	1943 Soil Depth (IN.)	1956 Sapro Class	1944 Restr Horiz	Profile Class & LTAR
1	LS	0-2	GR/SCL	FR/SS/SP/SEXP	CHROMA 2 @ 12"	12"	NA	NA	US
	6%	2-12	ABK/C	VFI/VS/VP/VEXP					

Description	Initial System	Repair System
Available Space (.1945)	US	US
System Type(s)		
Site LTAR		

Other Factors (.1946):
Soil Evaluation By: Jeremy Michelone, R.S.
Others Present: Robert Dixon
Site Classification (.1948): UNSUITABLE
Site Evaluation By: Jeremy Michelone, R.S.
Others Present: Robert Dixon

Jeremy Mich. R.S.

COMMENTS:

Landscape Position	Group	Texture	.1955 LTAR	Structure
R-Ridge	I	S-Sand	1.2 - 0.8	SG-Single Grain
SS-Shoulder Slope		LS-Loamy Sand		M-Massive
LS-Linear Slope				CR-Crumb
FS-Foot Slope	II	SL-Sandy Loam	0.8 - 0.6	GR-Granular
NS-Nose Slope		L-Loam		SBK-Subangular Blocky
HS-Head Slope				ABK-Angular Blocky
CC-Concave Slope	III	SI-Silt	0.6 - 0.3	PL-Platy
CV-Convex Slope		SICL-Silty Clay Loam		PR-Prismatic
T-Terrace				
FP-Flood Plain		CL-Clay Loam		
		SCL-Sandy Clay Loam		
	IV	SC-Sandy Clay	0.4 - 0.1	
		SIC-Silty Clay		
		C-Clay		

Consistence Moist	Consistence Wet	Mineralogy
VFR-Very Friable	NS-Non-Sticky	SEXP-Slightly Expansive
FR-Friable	SS-Slightly Sticky	EXP-Expansive
FI-Firm	S-Sticky	
VFI-Very Firm	VS-Very Sticky	
EFI-Extremely Firm	NP-Non-Plastic	
	SP-Slightly Plastic	
	P-Plastic	
	VP-Very Plastic	

4793A

MECKLENBURG COUNTY
HEALTH DEPARTMENT 5264

APPLICATION FOR A RESIDENTIAL SITE IMPROVEMENT PERMIT/ CONSTRUCTION AUTHORIZATION FOR AN ON-SITE WASTEWATER SYSTEM, NEW WELL INSTALLATION, OR REPAIR OF EXISTING WELL

1. SEPTIC / TYPE APPLICATION: ○ N/A ○ NEW SYSTEM ◉ ALTERATION ○ REPAIR ○ MODIFIED PLOT PLAN

2. WELL / TYPE APPLICATION: ○ N/A ○ NEW WELL ○ MAJOR REPAIR ○ ABANDONMENT

3. JOB LOCATION INFORMATION:

TAX PARCEL NUMBER: 01933102
STREET ADDRESS: 12800 Alexanderana Road
CITY: Huntersville
STATE: NC **ZIP:** 28078
SUBDIVISION NAME: N/A
LOT #: _____ **LOT SIZE (acres):** 3.67

TOWNSHIP:
○ MECKLENBURG ○ CORNELIUS ◉ HUNTERSVILLE
○ DAVIDSON ○ CHARLOTTE ○ PINEVILLE
○ MATTHEWS ○ MINT HILL

4. BUILDING INFORMATION:

BUILDING TYPE:
○ SINGLE MOBILE HOME ○ MODULAR HOME
○ DOUBLE WIDE ○ MULTIPLE FAMILY
◉ HOUSE ○ OTHER _____

HEATED SQUARE FOOTAGE: 1,281
NUMBER OF BEDROOMS: 3
NUMBER OF OCCUPANTS: 1

FOUNDATION TYPE:
○ CONCRETE SLAB ○ BASEMENT WITH PLUMBING
◉ CRAWL SPACE ○ BASEMENT WITH NO PLUMBING

5. IF PLANNING TO EXPAND OR ALTER THE EXISTING SEPTIC SYSTEM PLEASE COMPLETE THE FOLLOWING SECTION: ☐ N/A

NUMBER OF BEDROOMS TO BE ADDED: 0 NUMBER OF ADDITIONAL OCCUPANTS IN THE RESIDENCE: 0

6. WATER SUPPLY: ◉ MUNICIPAL ○ PRIVATE WELL ○ PUBLIC WELL ○ SHARED WELL ○ OTHER _____

7. PROPOSED USE OF WELL: ○ N/A ◉ IRRIGATION ○ POTABLE (DRINKING WATER) ○ OTHER _____

8. PLEASE INDICATE AND RANK DESIRED SEPTIC SYSTEM TYPE(S) IN ORDER OF PREFERENCE *(1-MOST DESIRED 5-LEAST DESIRED):*

☒ N/A ☐ ANY TYPE ☑ CONVENTIONAL ☐ ACCEPTED ☐ INNOVATIVE ☒ ALTERNATIVE ☐ OTHER _____

8A. RANK: 1 ○ _____ ○ _____ ○ _____

9. DO ANY OF THE FOLLOWING APPLY TO THE PROPERTY IN QUESTION? IF "YES" PLEASE ATTACH SUPPORTING DOCUMENTATION.

BURIED CABLES, LANDFILLS, STUMPHOLES	○ YES ○ NO	GRADING/SOIL REMOVAL PERFORMED	○ YES ○ NO
EXISTING WASTEWATER (SEPTIC) SYSTEMS	◉ YES ○ NO	JURISDICTIONAL WETLANDS	○ YES ○ NO
WELLS, SPRINGS, OR WATER LINES	◉ YES ○ NO	APPROVAL REQUIRED BY ANY OTHER PUBLIC AGENCY	○ YES ○ NO
EASEMENTS OR RIGHT-OF-WAYS	○ YES ○ NO	WASTEWATER OTHER THAN DOMESTIC SEWAGE	○ YES ○ NO
CHEMICAL/PETROLEUM STORAGE TANKS	○ YES ○ NO	KNOWN UNDERGROUND CONTAMINATION	○ YES ○ NO
WASTE STORAGE	○ YES ○ NO	GROUNDWATER USE RESTRICTIONS/VARIANCES	○ YES ○ NO

10. WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? 12/8/81 ☐ UNKNOWN

11. WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY? _____ ☑ N/A

12. PROPERTY OWNER:

NAME: _____
ADDRESS: _____
CITY: _____
STATE: _____ ZIP: _____
WORK PHONE: _____
MOBILE PHONE: _____
FAX: _____
E-MAIL: _____

13. OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:

NAME: Marty Reese
ADDRESS: 1551 Banjo Branch Road
CITY: Mars Hill
STATE: NC ZIP: 28754
WORK PHONE: (828) 712-9028
MOBILE PHONE: (828) 712-9028
FAX: (828) 689-5770
E-MAIL: reese1551@msn.com

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 704-336-5103, FAX: 704-336-6894

Revised on: 12/15/10

14. SEPTIC SYSTEM PERMIT APPLICATION:

If the information in this application is falsified, changed, or the site is altered, then the Improvement Permit and Authorization to Construct shall become invalid. 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. The permit is valid for either sixty (60) months or is non-expiring depending upon the documentation submitted: complete site plan = 60 months, complete plat = non-expiring.

_____ (Initial here for septic system applications)

15. WELL PERMIT APPLICATION:

If the information in this application is falsified, changed, or the site is altered, then the Well Permit shall become invalid. 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. The permit is valid for a period of twelve (12) months from the date of issuance.

_____ (Initial here for well applications)

16. APPLICATION SIGNATURE SECTION:

ONLY COMPLETE APPLICATIONS WILL BE PROCESSED. A proper signature is required in order to process your application. Please review the application carefully and sign in the space provided below. A PROPOSED PLOT PLAN is required to be submitted with each application.

_____ 9-29-11

Property Owner's or Owner's Legal Representative Signature — Date

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OFFICE USE ONLY

○ SURVEY PLAT TO SCALE SUBMITTED ○ SCALED SITE PLAN SUBMITTED ○ UN-SCALED SITE PLAN SUBMITTED

SEPTIC APPLICATION FEE RECEIVED: $ 300.00 DATE FEE RECEIVED: 10/3/11

WELL APPLICATION FEE RECEIVED: $ _____ DATE FEE RECEIVED: _____

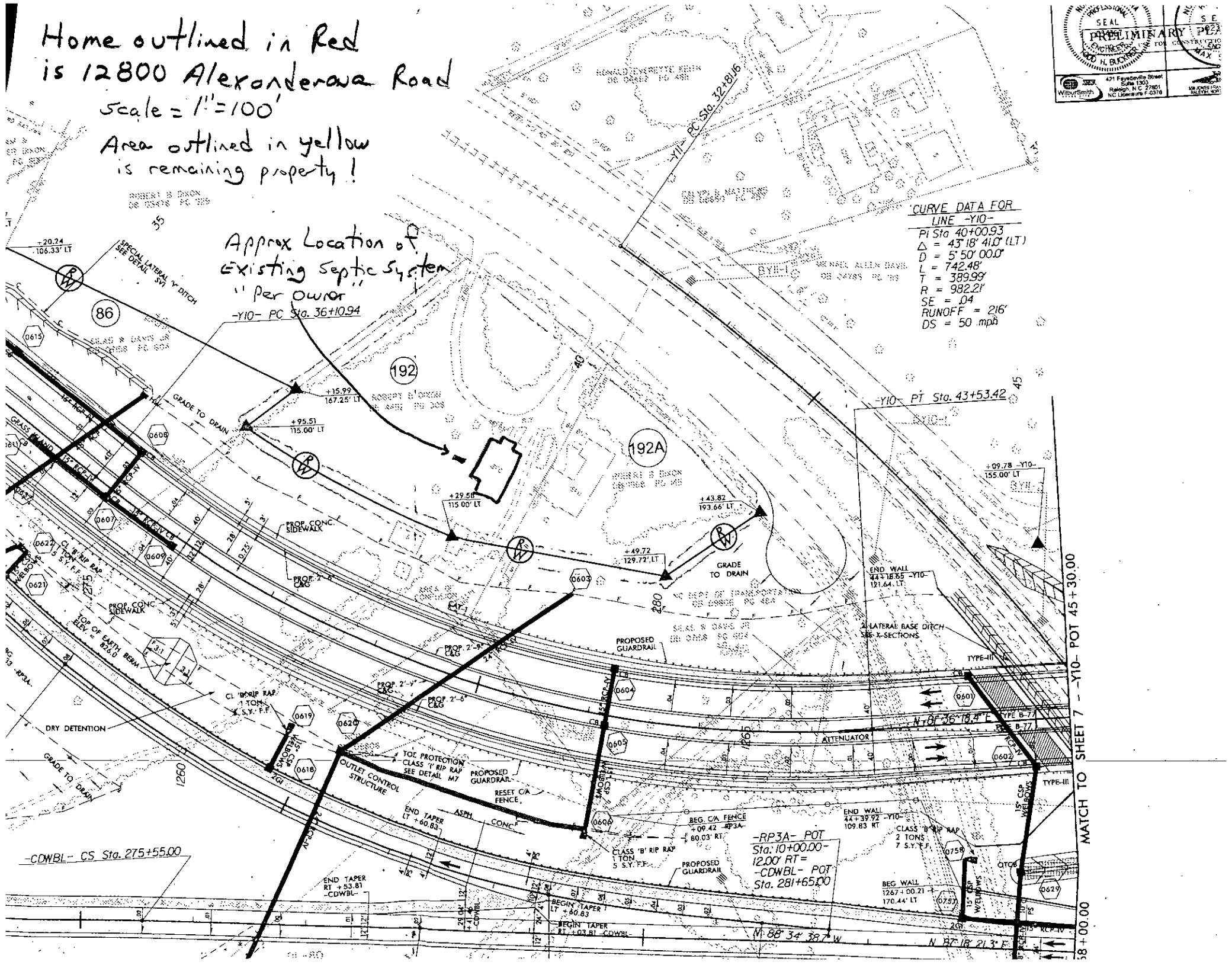
APPLICATION PROCESSED BY: lws

GWS FILE NUMBER ASSIGNED: 4793A

APPLICATION ID NUMBER ASSIGNED: 5264

COMMENTS:

MECKLENBURG COUNTY – GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST. SUITE 211 CHARLOTTE, NC 28202, OFFICE: 704-336-5103, FAX: 704-336-6894


Home outlined in Red
is 12800 Alexanderana Road
Scale = 1"=100'
Area outlined in yellow
is remaining property!
Approx Location of
Existing Septic System
" per Owner
-Y10- PC Sta. 36+10.94
-Y10- PC Sta. 32+81.16
-Y10- PT Sta. 43+53.42
CURVE DATA FOR
LINE -Y10-
PI Sta 40+00.93
Δ = 43° 18' 41.0" (LT)
D = 5° 50' 00.0"
L = 742.48'
T = 389.99'
R = 982.21'
SE = .04
RUNOFF = 2.16'
DS = 50 mph
PRELIMINARY
NOT FOR CONSTRUCTION
WilburSmith
421 Fayetteville Street
Suite 1300
Raleigh, N.C. 27601
N.C. License # F-0376
86
192
192A
GRADE TO DRAIN
PROP. CONC. SIDEWALK
PROP. 2'-9" C&G
PROP. 2'-6" C&G
PROPOSED GUARDRAIL
TOP OF EARTH BERM ELEV. 826.0
DRY DETENTION
CL 'B' RIP RAP 1 TON 5 S.Y. F.F.
TOE PROTECTION CLASS 'I' RIP RAP SEE DETAIL M7
OUTLET CONTROL STRUCTURE
RESET C/A FENCE
ASPH. CONC. END TAPER LT +60.83
CLASS 'B' RIP RAP 1 TON 5 S.Y. F.F.
BEG. C/A FENCE +09.42 -RP3A- F +80.03' RT
-RP3A- POT Sta. 10+00.00- 12.00' RT = -CDWBL- POT Sta. 281+65.00
END WALL 44+18.65 -Y10- 121.64' LT
END WALL 44+39.92 -Y10- 109.83' RT
2' LATERAL BASE DITCH SEE X-SECTIONS
ATTENUATOR
TYPE III
TYPE B-77
BEG. WALL 1267+00.21 170.44' LT
-CDWBL- CS Sta. 275+55.00
END TAPER RT +53.81 -CDWBL-
BEGIN TAPER LT +60.83
BEGIN TAPER RT +03.81 -CDWBL-
N 88° 34' 38.7" W
N 87° 18' 21.3" E
MATCH TO SHEET 7 - -Y10- POT 45+30.00
58+00.00

Mecklenburg County
Health Department

Basil G. Delta, M.D., M.P.H.
Health Director

August 2nd, 1988

Robert & Beryl Dixon
12900 Alexanderana Road
Huntersville, NC 28078

RE: Property located at Alexanderana Road
FILE: 4793A
PARCEL: 01914110

Dear Sir:

At your request a soils investigation was conducted on the property designated above. Results of this investigation showed the site to be classified as UNSUITABLE under criteria as set forth in Section .1900 of the North Carolina Administrative Code, Title 10, Department of Human Resources, Chapter 10, Division of Health Services; Sanitary Engineering Section, Subchapter 10A, Sanitation. A copy of the Site Evaluation Report (Serial Number 15417) is enclosed.

The soil on this property is not suitable for use with any conventional, modified or alternative system of which I am aware.

If I can be of assistance, please do not hesitate to call.

Very truly yours,

Sylvia D. Daniel, R.S., Supervisor
On Premises Waste Disposal & Water Supply

Enclosure

Environmental Health Division
1200 Blythe Boulevard • Charlotte, North Carolina 28203 • (704) 376-4603

MECKLENBURG COUNTY ENVIRONMENTAL HEALTH
SITE EVALUATION REPORT
SERIAL NUMBER 15417

File: 4793A Action 3

Parcel: 01914110 ☐ PC

Location: Alexanderana Road

Subdivision:

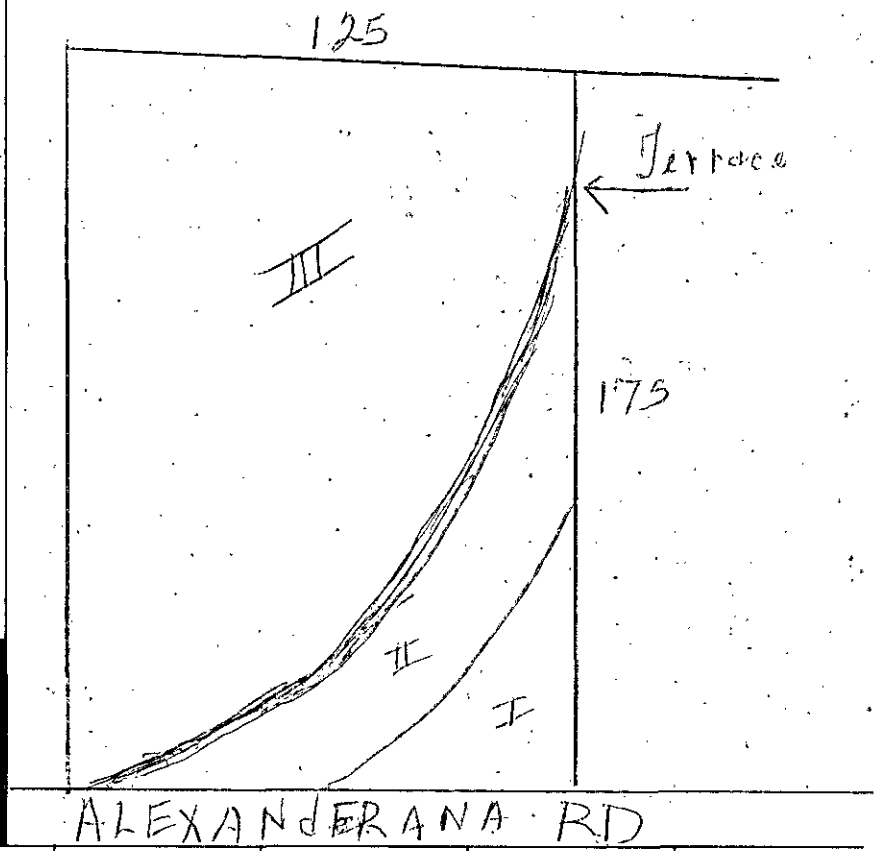
Lot: Block: Acres: .49

Owner: Robert & Beryl Dixon
Address: 12900 Alexanderana Road
Huntersville, NC 28078

Comments:

Described by: W. B. Ramsey

Date: 3-1-88



*** EVALUATION KEY ***

S = Suitable U = Unsuitable
PS = Provisionally Suitable
The "Area Classification" below indicates the suitability of areas in the diagram.

FACTORS	AREA 1	AREA 2	AREA 3	AREA 4	AREA 5	AREA 6
Topography	S (PS) U 4 — 6	S (PS) U 2 — 6	S (PS) U 2 — 4	S PS U	S PS U	S PS U
Texture	S (PS) U	S (PS) U	S (PS) U	S PS U	S PS U	S PS U
Structure	S (PS) U	S (PS) U	S (PS) U	S PS U	S PS U	S PS U
Drainage	S (PS) U H2O 16"	S PS (U)	S PS (U) 6 — 7" H2O	S PS U Wet Water Table	S PS U	S PS U
Depth	S (PS) U 30"	S (PS) U 36 — HD	S (PS) U 36 — HD	S PS U	S PS U	S PS U
Restrictive Horizons	S (PS) U	S (PS) U	S (PS) U	S PS U	S PS U	S PS U
Available Space	S PS (U)	S PS (U)	S (PS) U	S PS U	S PS U	S PS U
Other (specify)	S PS U	S PS U	S PS U	S PS U	S PS U	S PS U
Soil Group/Series	IVc Appling	IVc Appling Alluvium	IVa Alluvium	NA Drainageway		
Area Classification	S PS (U)	S PS (U)	S PS (U)	S PS U	S PS U	S PS U

7/21/88 AL 30 - CR#17 JR

APPLICATION FOR SOIL INVESTIGATION

MECKLENBURG COUNTY ENVIRONMENTAL HEALTH

1200 BLYTHE BOULEVARD
CHARLOTTE, NC 28203
PHONE (704) 376-4603

(OFFICE USE ONLY)

FILE: 4793A

TC: 019-141-10

☐ PC ☐ REPT

JOB LOCATION

① ADDRESS: 12800 Alexanderana Rd. Huntersville, N.C. 28078

② SUBDIVISION: _____ ③ LOT: _____ ④ BLOCK: _____

⑤ PARCEL REFERENCE: BOOK NO.: Po [redacted] 2819 PAGE NO.: [redacted] 399 PARCEL NO.: _____

⑥ DEED REFERENCE: BOOK NO.: 5478 PAGE NO.: 0929

OWNER

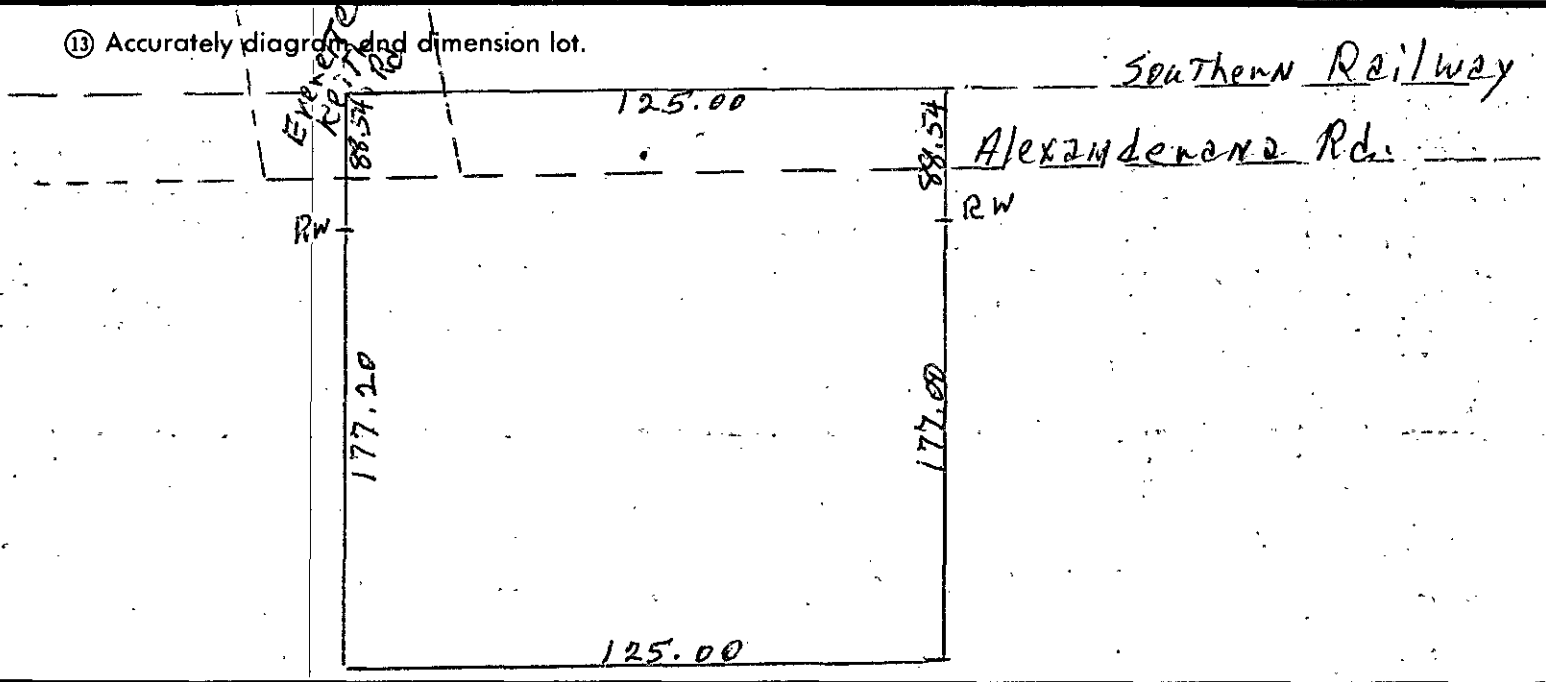
⑦ NAME: Robert (FIRST) Beryl B. (MIDDLE) M. Dixon (LAST) 2nd Dixon

⑧ MAILING ADDRESS: 12900 Alexanderana Rd.

⑨ CITY: Huntersville, ⑩ STATE: N.C. ⑪ ZIP: 28078

⑫ PHONE: (WORK) None (HOME) 875-6820

⑬ Accurately diagram and dimension lot.



⑭ The undersigned, owner of the property described above as the "JOB LOCATION" has read the foregoing application, acknowledges that the contents of same are true, and authorizes agents of the MECKLENBURG COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH to enter onto the property for the purpose of processing this request.

Signed: Robert B. Dixon

Mecklenburg County services are available without regard to ethnic origin, sex, or disability.

Date: July 14, 1988

WHITE - ENVIRONMENTAL HEALTH DEPARTMENT'S COPY ● CANARY - ENVIRONMENTALIST'S COPY ● PINK - OWNER'S COPY

DEED BOOK | PAGE

5478 | 0929

PRESENTED FOR REGISTRATION 265

APR 22 12 58 PM '87

CHARLOTTE E. BROWDER
REGISTER OF DEEDS
MECKLENBURG CO. N.C.

Excise Tax -0- | Recording Time, Book and Page

Tax Lot No. out of 019-141-03 Parcel Identifier No. .....

Verified by ..... County on the ..... day of ....., 19.....

by .....

Mail after recording to Robert B. Dixon, 12900 Alexanderana Road, Huntersville, North Carolina 28078

This instrument was prepared by Joseph C. Travis, Attorney

Brief description for the Index 2 Tracts - Mallard Creek Township

FEE 6.50
CK 6.50
CASH 6.50

#2030 000

NORTH CAROLINA GENERAL WARRANTY DEED
OF GIFT

THIS DEED made this 22nd day of April, 19 87, by and between

GRANTOR	GRANTEE
Mary S. Davis (Widow)	Robert B. Dixon and wife, Beryl M. Dixon 12900 Alexanderana Road Huntersville, North Carolina 28078