

15419 EWART RD

01925215

1/7/2008

duponbj

Groundwater and Wastewater Services File Imaging Project
May 2007
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LAW

LAWGIBB Group Member

FACSIMILE TRANSMITTAL SHEET

LAW ENGINEERING & ENVIRONMENTAL SERVICES, INC.
2801 Yorkmont Road, Suite 100; Charlotte, NC 28208
704-357-8600

To: Bill Martin From: Mimi

Company: Date transmitted:

Fax Number: Telephone:

Subject: Fax Number:

No. pages transmitted (incl. cover) Hard Copy to Follow: Yes ___ No ___

CC:

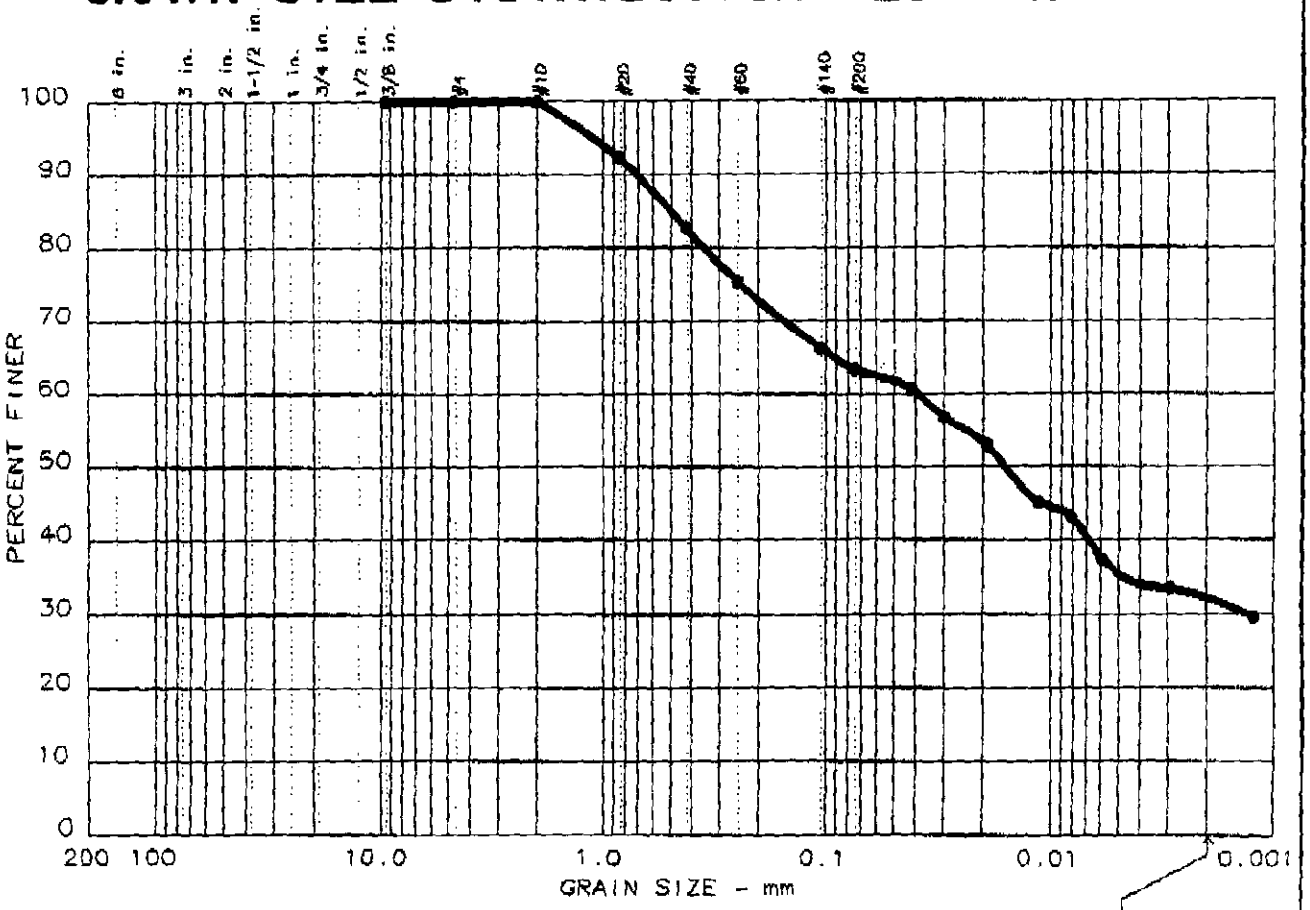
Urgent ___ For Review ___ Please Comment ___ Please Reply ___ Please Recycle ___

COMMENTS:

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If transmission is not received in good order, please call 704-357-8600

GRAIN SIZE DISTRIBUTION TEST REPORT



	Test	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	9	0.0	0.0	36.6	31.2	32.2

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●			0.495		0.0160	0.0013				

	MATERIAL DESCRIPTION	USCS	AASHTO
●	REDDISH-BROWN SILTY CLAYEY SAND		

Project No.: 30160
Project: BRIAN ATKINS E. WART ROAD
● Location: SAMPLE #1

Date: 08-23-01

Remarks:

GRAIN SIZE DISTRIBUTION TEST REPORT

LAW ENGINEERING AND ENVIRONMENTAL SERVICES

Fig. No.: _____

GRAIN SIZE DISTRIBUTION TEST DATA Test No.: 9

Date: 08-23-01
Project No.: 30160
Project: BRIAN ATKINS E. WART ROAD

Sample Data

Location of Sample: SAMPLE #1
Sample Description: REDDISH-BROWN SILTY CLAYEY SAND
USCS Class: Liquid limit:
AASHTO Class: Plasticity index:

Notes

Remarks:

Fig. No.:

Mechanical Analysis Data

	Initial
Dry sample and tare=	115.62
Tare =	0.00
Dry sample weight =	115.62

Sample split on number 10 sieve
Split sample data:
Sample and tare = 51 Tare = 0 Sample weight = 51
Cumulative weight retained tare= 0
Tare for cumulative weight retained= 0

Sieve	Cumul. Wt. retained	Percent finer
0.375 inches	0.00	100.0
# 4	0.00	100.0
# 10	0.00	100.0
# 20	3.92	92.3
# 40	8.82	82.7
# 60	12.56	75.4
# 140	17.16	66.4
# 200	18.66	63.4

Hydrometer Analysis Data

Separation sieve is number 10
Percent -# 10 based on complete sample= 100.0
Weight of hydrometer sample: 51
Calculated biased weight= 51.00
Table of composite correction values:

Temp, deg C:	20.0	22.0	24.0

Comp. corr: - 5.5 - 4.8 - 4.0
Meniscus correction only= 1
Specific gravity of solids= 2.7
Specific gravity correction factor= 0.989
Hydrometer type: 152H Effective depth L= 16.294964 - 0.164 x Rm

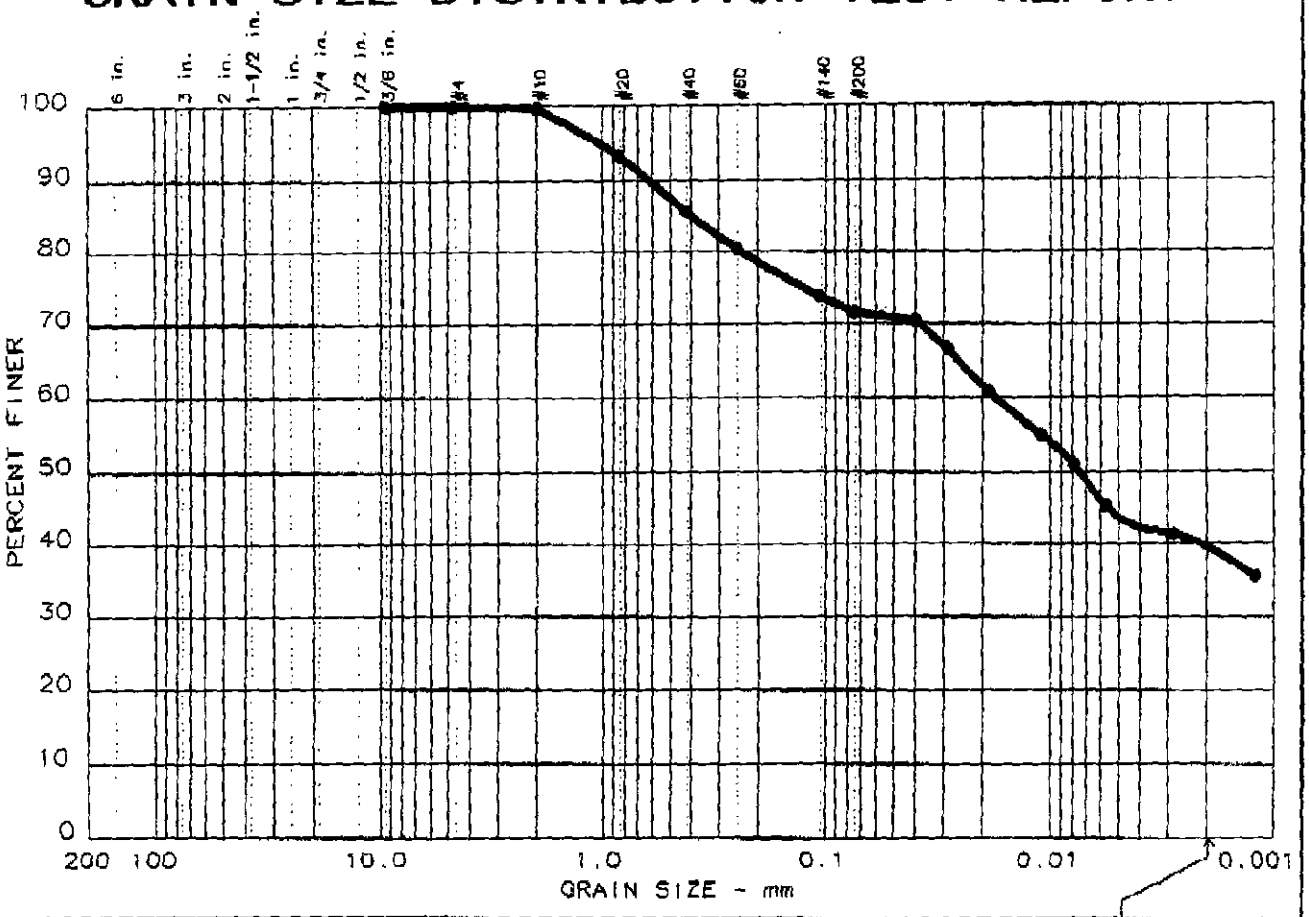
Elapsed time, min	Temp, deg C	Actual reading	Corrected reading	K	Rm	Eff. depth	Diameter mm	Percent finer
0.5	22.2	38.0	33.3	0.0131	39.0	9.9	0.0582	64.5
1.0	22.2	36.0	31.3	0.0131	37.0	10.2	0.0418	60.7
2.0	22.2	34.0	29.3	0.0131	35.0	10.6	0.0301	56.8
5.0	22.2	32.0	27.3	0.0131	33.0	10.9	0.0193	52.9
15.0	22.2	28.0	23.3	0.0131	29.0	11.5	0.0115	45.1
30.0	22.2	27.0	22.3	0.0131	28.0	11.7	0.0082	43.2
60.0	22.2	24.0	19.3	0.0131	25.0	12.2	0.0059	37.4
250.0	22.2	22.0	17.3	0.0131	23.0	12.5	0.0029	33.5
1440.0	22.2	20.0	15.3	0.0131	21.0	12.9	0.0012	29.6

Fractional Components

Gravel/Sand based on #4 sieve
Sand/Fines based on #200 sieve
% + 3 in. = 0.0 % GRAVEL = 0.0 % SAND = 36.6
% SILT = 31.2 % CLAY = 32.2

D85= 0.50 D60= 0.039 D50= 0.016
D30= 0.0013

GRAIN SIZE DISTRIBUTION TEST REPORT



	Test	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	10	0.0	0.0	28.3	32.1	39.6

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●			0.398		0.0074					

MATERIAL DESCRIPTION	USCS	AASHTO
● REDDISH-BROWN SANDY SILTY CLAY		

Project No.: 30160
Project: BRIAN ATKINS E. WART ROAD
● Location: SAMPLE #2

Date: 08-23-01

GRAIN SIZE DISTRIBUTION TEST REPORT

LAW ENGINEERING AND ENVIRONMENTAL SERVICES

Remarks:

Fig. No.: _____

GRAIN SIZE DISTRIBUTION TEST DATA Test No.: 10

Date: 08-23-01
Project No.: 30160
Project: BRIAN ATKINS E. WART ROAD

Sample Data

Location of Sample: SAMPLE #2
Sample Description: REDDISH-BROWN SANDY SILTY CLAY
USCS Class: Liquid limit:
AASHTO Class: Plasticity index:

Notes

Remarks:

Fig. No.:

Mechanical Analysis Data

Initial
Dry sample and tare= 187.35
Tare = 0.00
Dry sample weight = 187.35
Sample split on number 10 sieve
Split sample data:
Sample and tare = 50.71 Tare = 0 Sample weight = 50.71
Cumulative weight retained tare= 0
Tare for cumulative weight retained= 0

Sieve	Cumul. Wt. retained	Percent finer
0.375 inches	0.00	100.0
# 4	0.00	100.0
# 10	0.54	99.7
# 20	3.24	93.3
# 40	7.15	85.7
# 60	9.80	80.4
# 140	13.15	73.9
# 200	14.26	71.7

Hydrometer Analysis Data

Separation sieve is number 10
Percent -# 10 based on complete sample= 99.7
Weight of hydrometer sample: 50.71
Calculated biased weight= 50.86
Table of composite correction values:

Temp, deg C:	20.0	22.0	24.0

Comp. corr: - 5.5 - 4.8 - 4.0
Meniscus correction only= 1
Specific gravity of solids= 2.7
Specific gravity correction factor= 0.989
Hydrometer type: 152H Effective depth L= 16.294964 - 0.164 x Rm

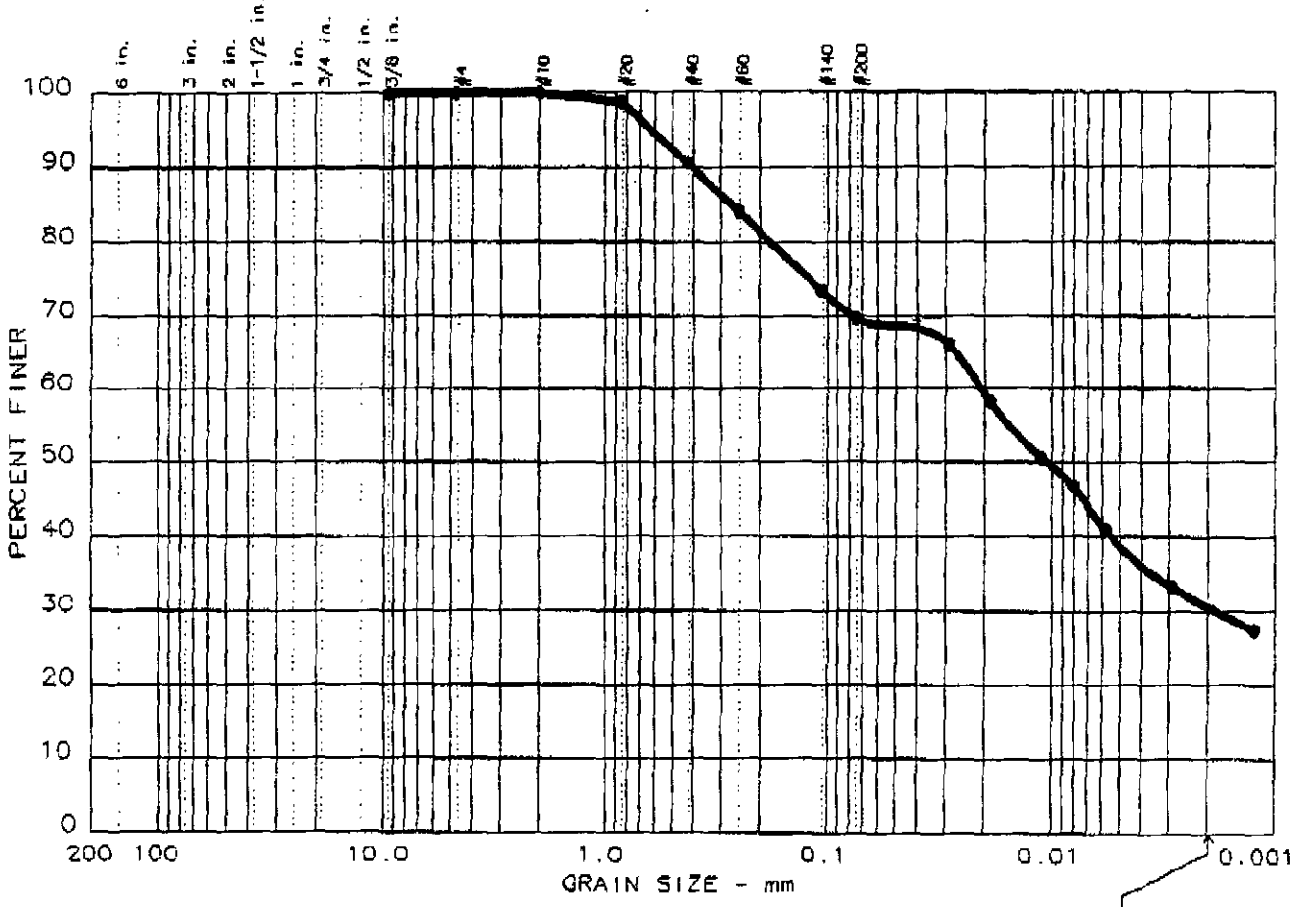
Elapsed time, min	Temp, deg C	Actual reading	Corrected reading	K	Rm	Eff. depth	Diameter mm	Percent finer
0.5	22.2	42.0	37.3	0.0131	43.0	9.2	0.0563	72.5
1.0	22.2	41.0	36.3	0.0131	42.0	9.4	0.0401	70.5
2.0	22.2	39.0	34.3	0.0131	40.0	9.7	0.0289	66.7
5.0	22.2	36.0	31.3	0.0131	37.0	10.2	0.0187	60.8
15.0	22.2	33.0	28.3	0.0131	34.0	10.7	0.0111	55.0
30.0	22.2	31.0	26.3	0.0131	32.0	11.0	0.0079	51.1
60.0	22.2	28.0	23.3	0.0131	29.0	11.5	0.0057	45.3
250.0	22.2	26.0	21.3	0.0131	27.0	11.9	0.0029	41.4
1440.0	22.2	23.0	18.3	0.0131	24.0	12.4	0.0012	35.5

Fractional Components

Gravel/Sand based on #4 sieve
Sand/Fines based on #200 sieve
% + 3 in. = 0.0 % GRAVEL = 0.0 % SAND = 28.3
% SILT = 32.1 % CLAY = 39.6

D85= 0.40 D60= 0.017 D50= 0.007

GRAIN SIZE DISTRIBUTION TEST REPORT



	Test	% +3"	% GRAVEL	% SAND	% SILT	% CLAY
●	11	0.0	0.0	30.3	39.2	30.5

	LL	PI	D_{85}	D_{60}	D_{50}	D_{30}	D_{15}	D_{10}	C_c	C_u
●			0.272		0.0106	0.0018				

MATERIAL DESCRIPTION	USCS	AASHTO
● REDDISH-BROWN SANDY CLAYEY SILT		

Project No.: 30160
Project: BRIAN ATKINS E. WART ROAD
● Location: SAMPLE #6

Date: 08-23-01

Remarks:

GRAIN SIZE DISTRIBUTION TEST REPORT

LAW ENGINEERING AND ENVIRONMENTAL SERVICES

Fig. No.: _____

GRAIN SIZE DISTRIBUTION TEST DATA Test No.: 11

Date: 08-23-01
Project No.: 30160
Project: BRIAN ATKINS E. WART ROAD

Sample Data

Location of Sample: SAMPLE #6
Sample Description: REDDISH-BROWN SANDY CLAYEY SILT
USCS Class: Liquid limit:
AASHTO Class: Plasticity index:

Notes

Remarks:

Fig. No.:

Mechanical Analysis Data

Initial
Dry sample and tare= 157.97
Tare = 0.00
Dry sample weight = 157.97
Sample split on number 10 sieve
Split sample data:
Sample and tare = 51.35 Tare = 0 Sample weight = 51.35
Cumulative weight retained tare= 0
Tare for cumulative weight retained= 0

Sieve	Cumul. Wt. retained	Percent finer
0.375 inches	0.00	100.0
# 4	0.00	100.0
# 10	0.00	100.0
# 20	0.66	98.7
# 40	4.89	90.5
# 60	8.23	84.0
# 140	13.65	73.4
# 200	15.55	69.7

Hydrometer Analysis Data

Separation sieve is number 10
Percent -# 10 based on complete sample= 100.0
Weight of hydrometer sample: 51.35
Calculated biased weight= 51.35
Table of composite correction values:

Temp, deg C:	20.0	22.0	24.0

*Comp. corr: - 5.5 - 4.8 - 4.0
Meniscus correction only= 1
Specific gravity of solids= 2.7
Specific gravity correction factor= 0.989
Hydrometer type: 152H Effective depth L= 16.294964 - 0.164 x Rm

Elapsed time, min	Temp, deg C	Actual reading	Corrected reading	K	Rm	Eff. depth	Diameter mm	Percent finer
0.5	22.2	44.0	39.3	0.0131	45.0	8.9	0.0552	75.6
1.0	22.2	41.0	36.3	0.0131	42.0	9.4	0.0401	69.9
2.0	22.2	39.0	34.3	0.0131	40.0	9.7	0.0289	66.0
5.0	22.2	35.0	30.3	0.0131	36.0	10.4	0.0189	58.3
15.0	22.2	31.0	26.3	0.0131	32.0	11.0	0.0112	50.6
30.0	22.2	29.0	24.3	0.0131	30.0	11.4	0.0081	46.8
60.0	22.2	26.0	21.3	0.0131	27.0	11.9	0.0058	41.0
250.0	22.2	22.0	17.3	0.0131	23.0	12.5	0.0029	33.3
1440.0	22.2	19.0	14.3	0.0131	20.0	13.0	0.0012	27.5

Fractional Components

Gravel/Sand based on #4 sieve
Sand/Fines based on #200 sieve
% + 3 in. = 0.0 % GRAVEL = 0.0 % SAND = 30.3
% SILT = 39.2 % CLAY = 30.5

D85= 0.27 D60= 0.020 D50= 0.011
D30= 0.0018

CERTIFICATE OF COMPLETION/OPERATION PERMIT

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON ST., SUITE 211
CHARLOTTE, NC 28202
PHONE (704) 336-5102

FILE: 4710B DATE: 10/16/01

TC: 019-252-08 ☒ LTL ☐ CRT

SERIAL Nº 18689

Name of Owner Brian S. Atkins Juris.: _____

Address of Property 15419 Ewart Road

Inspection Data:

Tank Material PCC

Total Length of Drainfield 300'

Number of Lines 3 @ 100'

Cover Depth 12"

Water Supply Source well

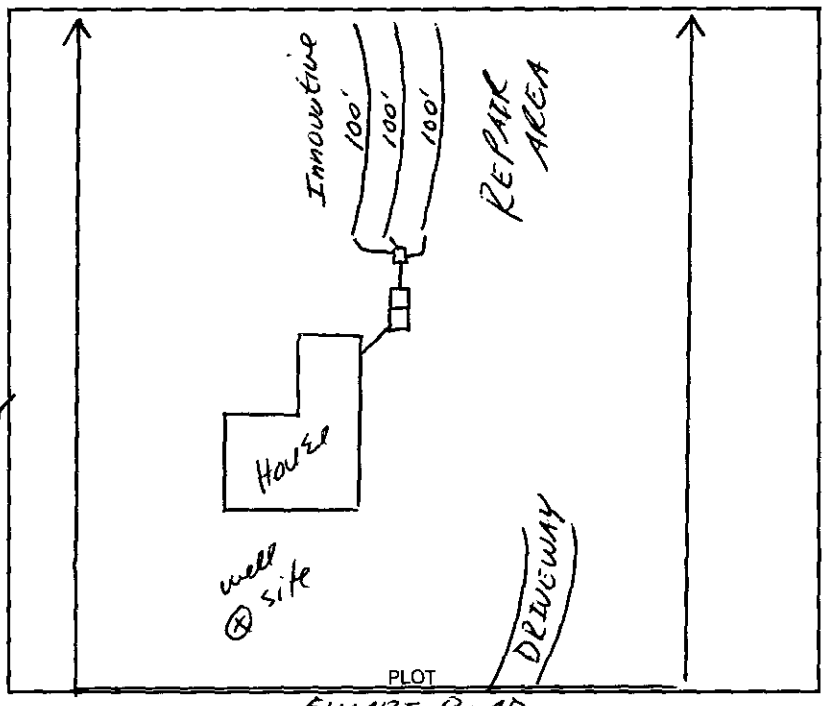
Distance to Water Source Not Yet Drilled

Excavation Inspected 10/16/01

Tank(s) Inspected 10/16/01

Wash Line Inspected NA

High Water Alarm Inspected NA



Design 1500 ST, 900 SFT, INV, E-2 FLOW CTR# Paul McAllister

The undersigned has inspected the Septic Tank System described above, and certifies it has been

☒ installed or constructed ☐ altered or repaired

☐ in accordance with the permit issued ☒ as detailed in the plot above

and meets the provisions of 15A NCAC 18A. 1900, "Laws And Rules For Sewage Treatment and Disposal Systems" in effect on the date of issuance of the permit. This issuance of this

☐ Certificate of Completion ☒ Operation Permit

does not in any way guarantee that the system will operate properly or relieve any person now or hereafter owning, controlling, or using such system from any liability resulting from the failure of the system to operate properly. This document is issued subject to those restrictions and conditions shown on the permit(s) and the provisions of 15A NCAC 18A. 1990 in addition to those listed below under "COMMENTS." This document shall be null and void if any information contained in the application is untrue or if any additions are made to the property which would increase the requirements for said system.

Notice: Disturbance of the designated repair area may result in the suspension/revocation of this permit.

COMMENTS: Three Bedroom Residence

3 lines x 100' x 3 Type IIIg Innovative System

System installed without installation approval

Tommy P. Mechuka R. S.

Environmental Health Specialist

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

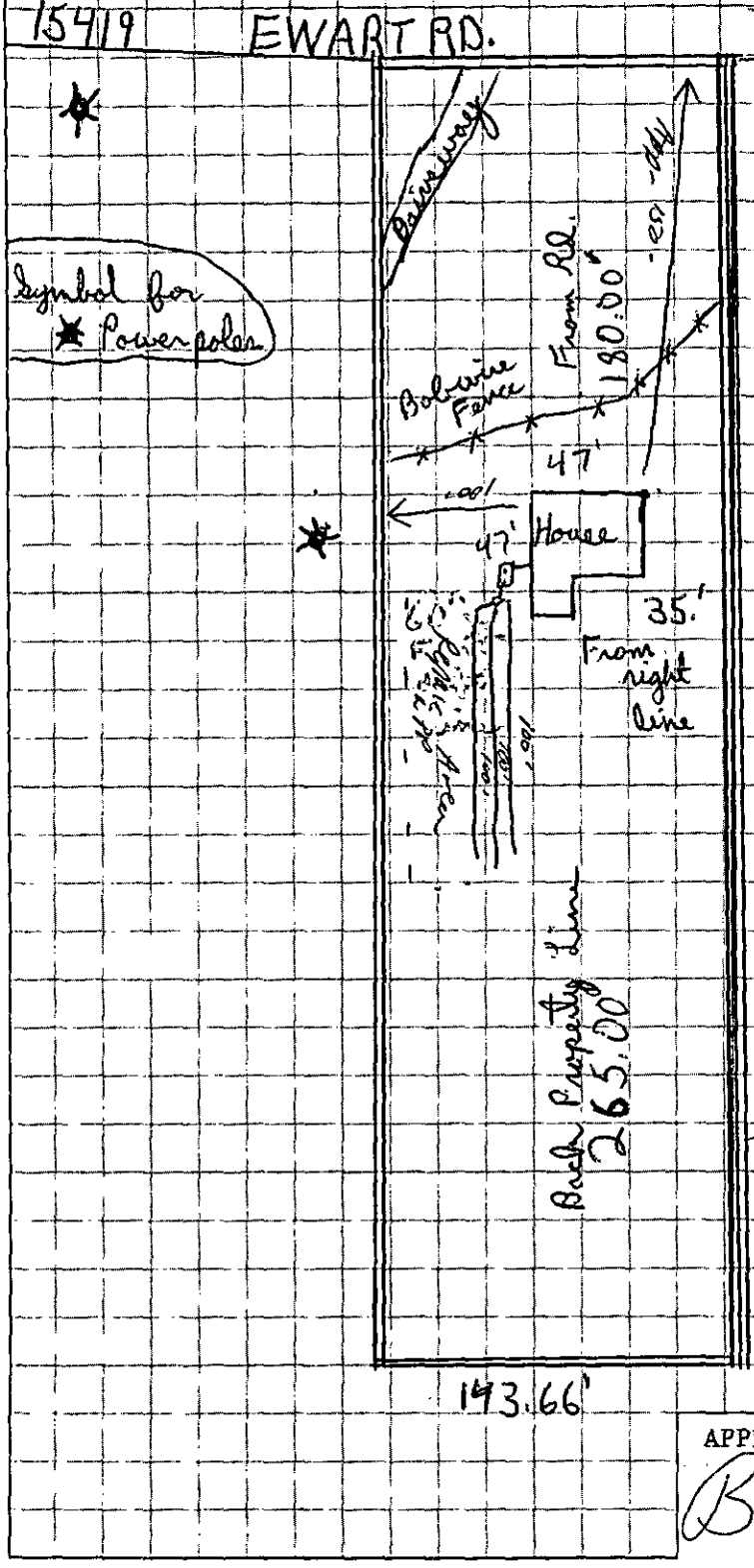
PROPOSED PLOT PLAN

HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
700 NORTH TRYON STREET
CHARLOTTE, NC 28202
PHONE (704) 336-5102

FILE: 4710B

TC: 019-252-0892

Draw in and name all roads adjoining the property. Draw in and accurately dimension the lot concerned. Accurately indicate property boundaries, proposed and/or existing structures and driveways, underground utilities, and wells and springs within 100 feet of the proposed building or drainfield.



All property lines currently marked, staked an pink flagged by surveyor

COMMENTS

2 Bedroom Residence

Innovative Septic System Approved

Agreement forms shall be recorded on the prior to Const. Auths. release.

1500 SF 3 lines x 100'long 300 LF

x3'wd (2 TRR)

Pipeline shall keep the Septic System 100' (50'min) from the proposed well.

Keep the Septic System 7100' (50'min) from the property line.

Keep the back right house corner 4 the property line.

APPROVAL DATE 8/29/01

Brian S. Atkins 9/6/01

White - Health Department's Copy Canary - Environmentalist's Copy Pink - Owner's Copy

cash RF PD in FULL PD 150.00 9/26/01 SC

FEE: 150 AUTHORIZATION FOR WASTEWATER SYSTEM CONSTRUCTION
DATE: 9/06/01 VOID SIXTY (60) MONTHS FROM DATE OF ISSUANCE

DATE: 8/29/01 PERMIT NO: 4710B
PARCEL NO: 019 252 08 90

JOB LOCATION ADDRESS: 15419 Ewart Rd
PROPERTY OWNER: Cindy Lane for Huger (Brian Atkins)
BUILDING CONTRACTOR: —
SUBDIVISION NAME: NA
AUTHORIZATION ISSUED BY: Paula A. Walker RS. DATE: x
DEHNR AUTHORIZED AGENT

AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NO. 4710B, AND THE ATTACHED SITE PLAN WITH SYSTEM DETAILS. CONSTRUCTION AND INSTALLATION MUST ALSO MEET ALL REQUIREMENTS SET FORTH IN THE RULES GOVERNING SANITARY SEWAGE COLLECTION, TREATMENT, AND DISPOSAL AND ANY OTHER APPLICABLE RULES AND LAWS.

2. AN INSTALLATION, CONSTRUCTION, ALTERATION AND/OR REPAIR APPROVAL MUST BE SECURED PRIOR TO INSTALLATION OF THE SEPTIC TANK SYSTEM. THE INSTALLER OF THE SYSTEM SHALL BE A REGISTERED SEPTIC TANK CONTRACTOR WITH MECKLENBURG COUNTY HEALTH DEPARTMENT.

3. ANY ALTERATION IN SITE OR SOIL CONDITIONS (INCLUDING LOCATION OF STRUCTURES AND APPURTENANCES) OR MODIFICATION IN USE, DESIGN WASTEWATER FLOW, OR WASTEWATER CHARACTERISTICS AS SPECIFIED IN THE ASSOCIATED IMPROVEMENT PERMIT AND APPLICATION, MAY SUBJECT THIS AUTHORIZATION AND ASSOCIATED PERMIT(S) TO REVOCATION.

4. OTHER CONDITIONS: Agreement forms shall be recorded and on file prior to Cons. Auth. release

OWNER CERTIFICATION

I CERTIFY THAT THERE HAVE BEEN NO ALTERATIONS IN SITE OR SOIL CONDITIONS OR MODIFICATIONS TO FACILITY, WASTEWATER FLOW, OR WASTEWATER CHARACTERISTICS FROM THOSE SPECIFIED IN THE ORIGINAL APPLICATION OR ASSOCIATED IMPROVEMENT PERMIT UNLESS AUTHORIZED IN WRITING BY THE MECKLENBURG COUNTY HEALTH DEPARTMENT. I ALSO UNDERSTAND THAT ANY SUCH ALTERATIONS, MODIFICATIONS, OR FALSE INFORMATION ARE GROUNDS FOR REVOCATION OF PERMITS AND AUTHORIZATION TO CONSTRUCT.

Brian S. Atkins 9/6/01
SIGNATURE OF OWNER/OWNER'S REPRESENTATIVE DATE

Permit Number: 4710B

CONDITIONS OF IMPROVEMENT PERMIT

Tax Number: 019 252 08 Po

The IMPROVEMENT PERMIT is subject to revocation if site plans or the intended use change. There is to be NO grading, filling or disturbance of the soil in the area of the septic tank system or repair area.

CONSTRUCTION AUTHORIZATION must be obtained prior to receiving a Building Permit. The Construction Authorization is NOT transferable. Do not clear, grade, fill or disturb soil prior to obtaining a Construction Authorization.

Domestic-type wastewater only. No industrial process wastewater may be discharged into the system.

Basement: ___ Yes ✓ No ___ Partial Basement

Type Primary Wastewater System
Type (circle one): I II (III) IV V VI

___ Conventional
___ Prefabricated, permeable block panel system
___ Shallow Placed Conventional
___ Low Pressure Pipe
___ Large Diameter Pipe
___ Fill
___ Other
✓ Innovative or Experimental:
___ IWWS-93-1
___ IWWS-93-2
___ IWWS-94-1

.2 Long-term acceptance rate	240 Max gallons/day wastewater flow	~~1200~~ 900 Absorption Area (sq ft)	9' Trench spacing (min. on centers)
Yes Serviced by private well	1500 Gallon septic tank	300 Total trench length (ft)	24" Maximum trench depth (At least 12" of provisionally suitable soil must remain between trench bottom and unsuitable soil conditions)
2 Bedrooms in residence	NA Gallon pump tank	NA Depth of stone	

Any surface waters present: NO Type: Minimum separation distance:

Site modifications required:

Additional Conditions: Innovative Septic System Approval & Agreement forms shall be recorded and on file prior to Cons. Auth. release.

Repair Area System Type
Type (circle one): I II (III) IV V VI

___ Conventional
___ Prefabricated, permeable block panel system
___ Shallow Placed Conventional
✓ Low Pressure Pipe
___ Large Diameter Pipe
___ Fill
___ Other
___ Innovative or Experimental:
___ IWWS-93-1
___ IWWS-93-2
___ IWWS-94-1

900 Absorption Area (Sq ft) 300 Total Trench Length (Ft)	12" Depth of Stone Trench	5' Trench spacing (min. on centers)	12" Maximum Trench Depth

For existing system, enter the year originally installed:

The undersigned, an authorized agent of the MECKLENBURG COUNTY HEALTH DEPARTMENT, certifies that the Department has approved the Request for the Job Location contained in this document. This approval is granted in accordance with the provisions of Laws and Rules For Sewage, Treatment and Disposal in effect at the time of issuance of the permit and is subject to the following provisions:

- No work shall be conducted on the septic tank system until an Installation, Construction, Alteration and/or Repair Approval is granted by this Department
- This Improvement permit is transferable.

Philo L. Walker RS 8/29/01
DEHNR Authorized Agent Date

× Brian S. Helms 9/6/01
Owner/Agent Signature Date

MECKLENBURG COUNTY
HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
c/o HAL MARSHALL CTR.
SUITE 211
700 N. TRYON ST.
CHARLOTTE, N.C. 28202.
(704) 336-5102

NORTH CAROLINA DEPARTMENT OF
ENVIRONMENTAL, HEALTH,
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

FEE: 200 Cash
DATE: 8/6/01 98

APPLICATION FOR IMPROVEMENT PERMIT FOR RESIDENTIAL SITE INDIVIDUAL WATER AND WASTEWATER SYSTEMS PROGRAM

[ ] CRT

TYPE APPLICATION: __ NEW SYSTEM __ EXPANSION/ ALTERATION OF EXISTING SYSTEM __ REPAIR OF EXISTING SYSTEM

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

FILE #: 47108

PROPERTY INFORMATION (FROM ENGINEERING FORM) FOR JOB LOCATION:

TAX/PARCEL NUMBER: 019-252-08 18

STREET ADDRESS: 15419 Ewart Rd.

SUBDIVISION OR MOBILE HOME PARK NAME:

LOT NUMBER:

TYPE OF BUILDING (CHECK ONE): H

__ SINGLE MOBILE HOME(S)
__ DOUBLE WIDE (D)
✓ HOUSE (H)
__ MODULAR HOME (M)
__ MULTIPLE FAMILY (U)
__ OTHER (O)

TOWNSHIP (CHECK ONE):

✓ 0 MECKLENBURG
__ 1 CHARLOTTE
__ 2 DAVIDSON
__ 3 CORNELIUS
__ 4 PINEVILLE
__ 5 MATTHEWS
__ 6 HUNTERSVILLE
__ 7 MINT HILL

HEATED SQUARE FOOTAGE: 1630

NUMBER OF BEDROOMS: 2 NUMBER OF OCCUPANTS: 3

CLOSING DATE_____

FOUNDATION FOR RESIDENCE

__ WITHOUT BASEMENT
__ ON SLAB
✓ CRAWL SPACE
__ WITH BASEMENT /PLUMBING
__ WITH BASEMENT /NO PLUMBING

IF EXPANSION/ALTERATION OF EXISTING SYSTEM, DESCRIBE THE PROPOSED BUILDING ADDITION:

WILL THERE BE A HOME BUSINESS IN THE RESIDENCE: __ YES ✓ NO TYPE: _____

WATER SUPPLY (CHECK ONE):
__ COMMUNITY (C)
__ MUNICIPAL (M)
✓ PRIVATE WELL (P)
__ SHARED WELL (S)
__ OTHER 'SPRINGS' (O)

IF ANY OF THE FOLLOWING ARE LOCATED ON THE PROPERTY, PLEASE SHOW LOCATION ON PLAT:

BURIED CABLES, LANDFILLS, STUMPHOLES __ YES ✓ NO
EXISTING WASTEWATER SYSTEMS __ YES ✓ NO
EASTMENTS OR RIGHT-OF-WAYS __ YES ✓ NO
WELL, SPRINGS OR WATERLINES __ YES ✓ NO
DESIGNATED WETLANDS __ YES ✓ NO

PROPERTY OWNER:	LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:
NAME: (LAST) Lane Atkins (FIRST) Cindy Brian (MI) K S	NAME: (LAST) (FIRST) (MI)
ADDRESS: 15419 Ewart Rd.	DAYTIME PHONE: ( ) —
CITY: Huntersville STATE: NC ZIP: 28078	
DAYTIME PHONE: 704 875-0643	

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? _____

An Improvement Permit is subject to suspension or revocation if site plans or the intended use change or if information submitted in this application is falsified or changed. The undersigned, owner, or legal agent for the 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 Health Department to enter onto the property for the purpose of processing this request.

SIGNED: X DATE: X

MECKLENBURG COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
c/o HAL MARSHALL CTR., SUITE 211, 700 N. TRYON ST., CHARLOTTE, N.C. 28202., (704) 336-5102

COPY

STATE OF NORTH CAROLINA

COUNTY OF MECKLENBURG

WASTEWATER TREATMENT AND DISPOSAL SYSTEM DESIGN AGREEMENT: 15A NCAC 18A .1948 AND ANY OF THE FOLLOWING RULES: .1956; .1957(a); .1957(b); or .1957(c); OR .1969

FILE # 4710 B
PARCEL # 019-252-08

The undersigned, Brian S. Atkins and Cindy K. LANE, owners of property located at 15419 Ewart Rd., Huntersville, (the "site") and described in an instrument recorded in Book 12295 at Page 478, Mecklenburg Public Registry, hereby acknowledges that the undersigned applied to the Mecklenburg County Health Department (the "Department") for a permit to install a septic tank sewage disposal system on the site; that the Department evaluated the site for suitability for such a system in accordance with the regulations promulgated by the North Carolina Commission for Health Services as 15A NCAC 18A .1900 et seq.; that the Department originally classified the site as "unsuitable" pursuant to the standards set forth in the regulations, that the undersigned requested that the Department reclassify the site as "provisionally suitable" in light of the particular septic tank system proposed by the undersigned; that the Department considered various studies, data, and other information which indicate to the Department that the septic tank system proposed by the undersigned is allowed by the rules; and that the Department therefore reclassified the site as "provisionally suitable" and issued an appropriate permit for such proposed septic tank system

The undersigned further acknowledges that the proper design, construction, operation and maintenance of such septic tank system is the responsibility of the designer, owner, developer, installer, or user of the system, as applicable, and that neither the Department nor its officials, employees, or agents warrant or guarantee that the said system installed pursuant to the permit issued by the Department will function in a satisfactory manner for any given period of time or that the Department, its officials, employees or agents assume any liability for any damages of any kind which are caused, or which may be caused, by a malfunction of such system.

The undersigned further acknowledges that the following conditions will apply to the site:

- Any changes on the property may make the Improvement Permit Null and void and may make the Improvement Permit subject to revocation.

This instrument was prepared by: _____
Mail after recording to. _____

FILE COPY	
FILED FOR REGISTRATION	DOC #
DATE 8-30-01	TIME 11:23
BOOK 12610	PAGE 880
STAMPS	REC FEE
JUDITH A. GIBSON, REGISTER OF DEEDS MECKLENBURG COUNTY, NC	

(Corporate Name)

By: _____

_____ President

ATTEST:

_____ Secretary

(Corporate Seal)

Brian S. Atkins (SEAL)

Cindy K. Lane (SEAL)

_____ (SEAL)

_____ (SEAL)

STATE OF NORTH CAROLINA
COUNTY OF MECKLENBURG

I, Colleen R. Ayers, a Notary Public for said County and State, do hereby certify that Brian S. Atkins and Cindy K. LANE personally appeared before me this date and acknowledged the due execution of the foregoing instrument.

WITNESS my hand and notarial seal, this 30th day of August, 2001.

Colleen R. Ayers
Notary Public

My Commission Expires:
May 17, 2006

FILE COPY	
FILED FOR REGISTRATION	DOC. #
DATE	TIME
BOOK	PAGE
STAMPS	REC FEE
JUDITH A. GIBSON, REGISTER OF DEEDS MECKLENBURG COUNTY, NC	

- Do not grade, cut, fill, pave, construct a building or deck, dig a well, install a swimming pool or otherwise cover or disturb the soil (except for planting and maintaining grass or other ground covers) in a manner which will adversely affect the repair area or area where the septic tank system is located.

- When a private certified operator is required, no improvement permit for the designated repair shall be issued unless there is a private certified operator to carry out this management program in the service area where the proposed system is to be located. (Refer to Rule .1961, "Maintenance of Sewage Systems," for further information.)

- Additional fees will be required according to the Mecklenburg County user fee schedule applicable at the time for the issuance of a repair permit for any subsequent repairs to the sewage treatment and disposal system or for installation of a replacement system.

- At the time repairs to the sewage treatment and disposal system are to be made or a replacement system installed, the regulations in effect at that time will govern the repairs or installation of a replacement system.

The undersigned further agrees for himself, his heirs and assigns that he shall indemnify and hold harmless the Department, its employees, and officials, as well as Mecklenburg County and its employees and officials, for any damages or other claims of any person or persons whatsoever arising out of the installation, operation, or failure of said septic tank system.

Use of the singular masculine pronoun forms herein shall be deemed to also include the plural and feminine forms as the context may require.

This document shall be placed on the public records of the Register of Deeds of Mecklenburg County and indexed therein under the Grantor Index in the name or names of the undersigned, and the foregoing acknowledgements shall henceforth be binding on all persons claiming any right, title, or interest in the site.

IN WITNESS WHEREOF, the undersigned has hereunto set his hand and seal, or if corporate, has caused this instrument to be signed in its corporate name by its duly authorized officers and its seal to be hereunto affixed by authority of its Board of Directors, this _____ day of _____, 199__.

FOR REGISTRATION JUDITH A. GIBSON
REGISTER OF DEEDS
MECKLENBURG COUNTY, NC
2001 AUG 30 11:23 AM
BOOK: 12610 PAGE: 880-883 FEE: $12.00
INSTRUMENT # 2001146313

STATE OF NORTH CAROLINA

COUNTY OF MECKLENBURG

WASTEWATER TREATMENT AND DISPOSAL SYSTEM DESIGN AGREEMENT: 15A NCAC 18A .1948 AND ANY OF THE FOLLOWING RULES: .1956; .1957(a); .1957(b); or .1957(c); OR .1969

FILE # 4710 B
PARCEL # 019-252-08

The undersigned, Brian S. Atkins and Cindy K. Lane, owners of property located at 15419 Ewart Rd., Huntersville, (the "site") and described in an instrument recorded in Book 12295 at Page 678, Mecklenburg Public Registry, hereby acknowledges that the undersigned applied to the Mecklenburg County Health Department (the "Department") for a permit to install a septic tank sewage disposal system on the site; that the Department evaluated the site for suitability for such a system in accordance with the regulations promulgated by the North Carolina Commission for Health Services as 15A NCAC 18A .1900 et seq.; that the Department originally classified the site as "unsuitable" pursuant to the standards set forth in the regulations; that the undersigned requested that the Department reclassify the site as "provisionally suitable" in light of the particular septic tank system proposed by the undersigned; that the Department considered various studies, data, and other information which indicate to the Department that the septic tank system proposed by the undersigned is allowed by the rules; and that the Department therefore reclassified the site as "provisionally suitable" and issued an appropriate permit for such proposed septic tank system.

The undersigned further acknowledges that the proper design, construction, operation and maintenance of such septic tank system is the responsibility of the designer, owner, developer, installer, or user of the system, as applicable, and that neither the Department nor its officials, employees, or agents warrant or guarantee that the said system installed pursuant to the permit issued by the Department will function in a satisfactory manner for any given period of time or that the Department, its officials, employees or agents assume any liability for any damages of any kind which are caused, or which may be caused, by a malfunction of such system.

The undersigned further acknowledges that the following conditions will apply to the site:

- Any changes on the property may make the Improvement Permit Null and void and may make the Improvement Permit subject to revocation.

This instrument was prepared by: Colleen R. Ayers
Mail after recording to: Brian Atkins 5444 Windsor Rd.
Union Grove, N.C. 28689

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

Sheet: 1
Property ID: PO 019-252-08
Lot #: N/A
File #: 4710B
Code: 2

A C3

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Brian S. Atkins
Applicant:
Address: 15419 Ewart Road, Huntersville, N. C., 28078
Date Evaluated: 8/27/01
Proposed Facility: residence
Design Flow (.1949): 240gpd
Property Size: 1.84a
Location of Site: 15419 Ewart Road
Property Recorded:
Water Supply: [ ] Public [x] Individual [x] Well [ ] Spring [ ] Other
Evaluation Method: [x] Augur Boring [x] Pit [ ] Cut
Type of Wastewater: [x] 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 (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
	5-12								
1	LS	0-6	GR/CL	FR/SEXP/SS/SP	>60" TO SOIL WETNESS	26	US	NONE	US, IV .125G/FT^2/DAY LPP
		6-26	SBK/C	FI/SEXP/S/P					
		26-60	M/CL	FR/SEXP/SS/SP					
2	LS	0-6	GR/CL	FR/SEXP/SS/SP	>55" TO SOIL WETNESS	24	US	"	"
		6-24	SBK/C	FI/ SEXP/S/P					
		24-55	M/CL	FR/SEXP/SS/SP					
3	LS	0-8	GR/SL	FR/SEXP/NS/NP	2.5Y6/1@18"	28	N/A	"	US
		8-11	GR/SCL	FR/SEXP/SS/SP					
		11-28	SBK/C	VF/EXP/VS/VP					
4	LS	0-9	GR/SL	FR/SEXP/NS/NP	2.5Y6/1@29"	36	"	"	"
		9-11	GR/SCL	FR/SEXP/SS/SP					
		9-36	SBK/C	VF/MIXEDVS/VP					
5	LS	0-6	GR/SL	FR/SEXP/NS/NP	2.5Y7/1@20"	24	"	"	"
		6-9	SBK/SCL	FR/SEXP/SS/SP					
		9-24	SBK/SC	VFR/MIXEDVS/VP					
6	LS	0-2	GR/L	FR/SEXP/NS/NP	>46" TO SOIL WETNESS	7	US	"	US
		2-7	SBK/SCL	FR/SEXP/SS/SP					
		7-46	MCL	FR/SEXP/SS/SP					

Description	Initial System	Repair System
Available Space (.1945)	US	US
System Type(s)		
Site LTAR	.2G/FT^2/DAY	.2G/FT^2/DAY

Other Factors (.1946): _____
Site Classification (.1948): UNSUITABLE
Evaluated By: W. R. Marlin, LSS, 8/28/01, W. R. Marlin
Others Present:

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

Sheet: 2
Property ID: PO 019-252-08
Lot #: N/A
File #: 4710B
Code: 2

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Applicant:
Address: Date Evaluated:
Proposed Facility: Design Flow (.1949): Property Size:
Location of Site: Property Recorded:
Water Supply: [ ] Public [ ] Individual [ ] Well [ ] Spring [ ] Other
Evaluation Method: [ ] Augur 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 (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
7	R	0-2	GR/CL	FR/SEXP/SS/SP	>47" TO SOIL WETNESS	18	PS	NONE	PS, SAP II .2G/FT^2/DAY
		2-18	ABK/PR	VF/MIXED/VS/VP					
		18-47	M/L	FR-FI/SEXP/SS/SP					
8	R	0-8	GR/CL	FR/SEXP/SS/SP	>51 TO SOIL WETNESS	30	PS	"	"
		8-22	ABK/C	VF/MIXED/VVS/VP					
		22-51	M/L	FR-FI/SEXP/SS/SP					
9	LS	0-4	GR/SCL	FR/SEXP/SS/SP	>48" TO SOIL WETNESS	48	N/A	"	PS, IV .2G/FT^2/DAY
		4-39	SBK/C	FI/SEXP/S/P					
		39-48	SBK/CL	FR/SEXP/SS/SP					
10	LS	0-6	GR/SCL	FR/SEXP/SS/SP	>42" SOIL WETNESS	42	"	"	"
		6-32	SBK/C	FI/SEXP/S/P					
		32-42	SBK/SCL	FR/SEXP/SS/SP					

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

Other Factors (.1946): _____
Site Classification (.1948):
Evaluated By:
Others Present:

FILE # 4710B

COMMENTS 1076 Regnier

LANDSCAPE POSITION	GROUP	TEXTURE	.1955 LTAR
R-RIDGE	I	S-SAND	1.2-0.8
S-SHOULDER SLOPE		LS-LOAMY SAND	
L-LINEAR SLOPE			
FS-FOOT SLOPE	II	SL-SANDY LOAM	0.8-0.6
N-NOSE SLOPE		L-LOAM	
H-HEAD SLOPE			
CC-CONCLAVE SLOPE	III	SI-SILT	0.6-0.3
CV-CONVEX SLOPE		SICL-SILTY CLAY LOAM	
T-TERRACE		CL-CLAY LOAM	
FP-FLOOD PLAIN		SCL-SANDY CLAY LOAM	
	IV	SC-SANDY CLAY	0.4-0.1
		SIC-SILTY CLAY	
		O-ORGANIC	

CONSISTENCE	
MOIST	WET
VFR-VERY FRIABLE	NS-NON-STICKY
FR-FRIABLE	SS-SLIGHTLYSTICKY
FI-FIRM	S-STICKY
VFI-VERY FIRM	VS-VERY STICKY
EFI-EXTREMELY FIRM	NP-NON-PLASTIC
	SP-SLIGHTLYSTICKY
	P-PLASTIC
	VP-VERY PLASTIC

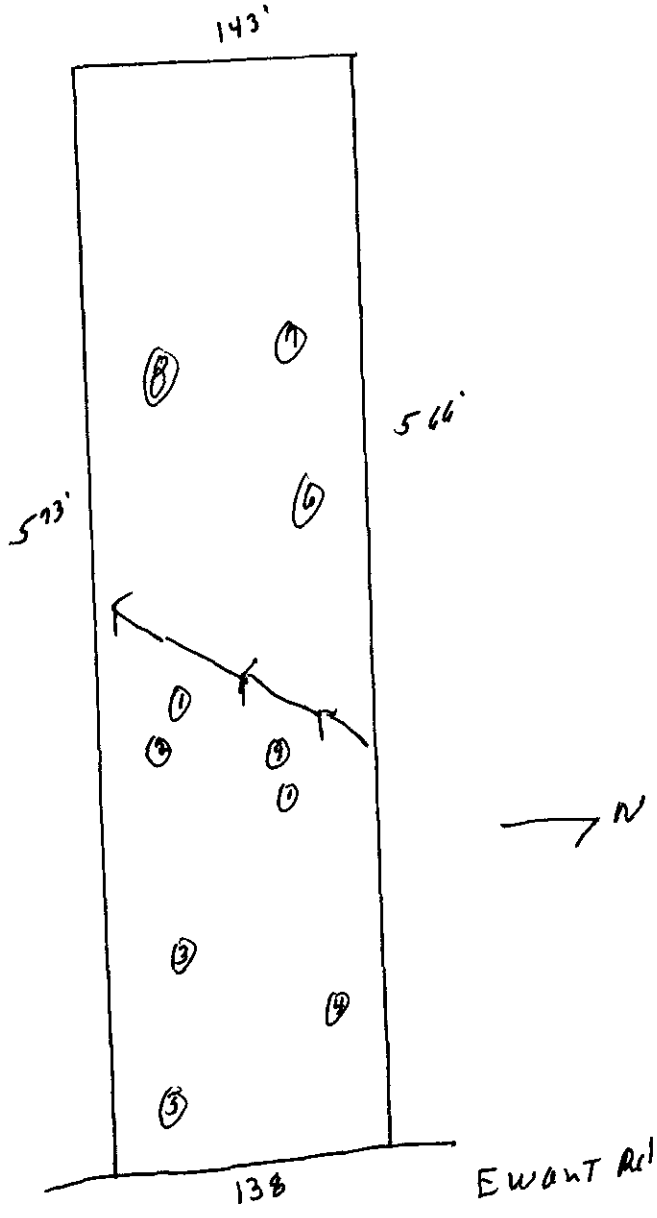
STRUCTURE

SG-SINGLE GRAIN
M-MASSIVE
CR-CRUMB
GR-GRANULAR
SBK-SUBANGULAR BLOCKY
ABK-ANGULAR BLOCKY
PL-PLATY
PR-PRISMATIC

MINERALOGY

SLIGHTLY EXPANSIVE

EXPANSIVE



NOW OR FORMERLY
PHUOVONG V. SINGTO
and wife, MALAYPHET SINGTO
9669-539

NOW OR FORMERLY
CARLOTTA ATKINS WILLIAMS
9781-521

1/2" EIR

S15°03'40"E
145.00'

1/2" IRS

N74°07'10"E 566.77' (TOTAL)
(NEW LINE)
538.72'

1.844 Acres.
80326 Sq.ft.

265ft to Back line

Garage

180 ft to line of wood

BARBED WIRE FENCE

OVERHEAD POWER LINE

PP

1/2" IRS

28.05'

CP

18" CMP

GRAVEL DRIVE

S15°56'00"E
73.74'

EOP

EWART ROAD
(S.R. 2602)
(PAVED)

S19°51'02"E
65.14'

CP

26.62'

1/2" IRS

CP

EOP

N19°51'02"W
165.96'
(TIE ONLY)

3/4" EIR

CP

S78°52'36"W
30.72'
(TIE ONLY)

S73°37'40"W 573.42' (TOTAL)
(NEW LINE)
546.90'

N15°03'40"W
143.66'

1/2" IRS

NOW OR FORMERLY
CARLOTTA ATKINS WILLIAMS
9781-521

ORMERLY
EWART
MARGARET A. EWART

50 0

NORTH CA
PROFESSI
SEAL
L-4336
LAND SURVEY
ROBERT S. SH

DATE: 6/1/01

TO: CHARLOTTE-MECKLENBURG BUILDING STANDARDS
PERMIT ISSUING SECTION

FROM: MECKLENBURG COUNTY ENGINEERING

Meck

019-252-08 (PO)

PARCEL NUMBER

15419 Ewart Rd.

ASSIGNED STREET ADDRESS (ADDRESS OF RECORD)

EXISTING STREET ADDRESS (IF DIFFERENT FROM ASSIGNED)

PROJECT NAME (IF APPLICABLE)

THE ABOVE DESCRIBED LOCATION HAS BEEN CHECKED CONCERNING:

1. SUBDIVISION REGULATIONS	_____ APPROVED	_____ NOT APPROVED
2. FLOODWAY REGULATIONS	_____ APPROVED	_____ NOT APPROVED
3. WATERSHED PROTECTION	_____ APPROVED	_____ NOT APPROVED
4. COMERCIAL DRAINAGE PLAN	_____ APPROVED	_____ NOT APPROVED
5. PUBLIC UTILITY EASEMENT	_____ PRESENT	_____ NOT PRESENT
6. PROPERTY FRONTS ON THOROUGHFARE	_____ YES	_____ NO
7. DRIVEWAY PERMIT REQUIRED	_____ YES	_____ NO
8. DOES PROJECT CONFLICT WITH ROAD PROJECT?	_____ YES	_____ NO

REMARKS: New residence

NOTE: THIS FORM MUST BE TURNED IN AT THE CASHIERS OFFICE WHEN PAYING PERMIT FEE. CERTIFICATE OF OCCUPANCY WILL NOT BE GRANTED UNTIL TRANSPORTATION DIVISION GRANTS FINAL APPROVAL ON DRIVEWAY(S).

SIGNED: BL

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

Sheet: 1
Property ID: PO 019-252-08
Lot #: N/A
File #: 4710B
Code: 2

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Brian S. Atkins
Applicant:
Address: 15419 Ewart Road, Huntersville, N. C., 28078
Date Evaluated: 8/27/01
Proposed Facility: residence
Design Flow (.1949): 240gpd
Property Size: 1.84a
Location of Site: 15419 Ewart Road
Property Recorded:
Water Supply: [ ] Public [x] Individual [x] Well [ ] Spring [ ] Other
Evaluation Method: [x] Augur Boring [x] Pit [ ] Cut
Type of Wastewater: [x] 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 (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
	5-12								
1	LS	0-6	GR/CL	FR/SEXP/SS/SP	>60" TO SOIL WETNESS	26	US	NONE	US, IV .125G/FT^2/DAY LPP
		6-26	SBK/C	FI/SEXP/S/P					
		26-60	M/CL	FR/SEXP/SS/SP					
2	LS	0-6	GR/CL	FR/SEXP/SS/SP	>55" TO SOIL WETNESS	24	US	"	"
		6-24	SBK/C	FI/ SEXP/S/P					
		24-55	M/CL	FR/SEXP/SS/SP					
3	LS	0-8	GR/SL	FR/SEXP/NS/NP	2.5Y6/1@18"	28	N/A	"	US
		8-11	GR/SCL	FR/SEXP/SS/SP					
		11-28	SBK/C	VF/EXP/VS/VP					
4	LS	0-9	GR/SL	FR/SEXP/NS/NP	2.5Y6/1@29"	36	"	"	"
		9-11	GR/SCL	FR/SEXP/SS/SP					
		9-36	SBK/C	VF/MIXEDVS/VP					
5	LS	0-6	GR/SL	FR/SEXP/NS/NP	2.5Y7/1@20"	24	"	"	"
		6-9	SBK/SCL	FR/SEXP/SS/SP					
		9-24	SBK/SC	VFR/MIXEDVS/VP					
6	LS	0-2	GR/L	FR/SEXP/NS/NP	>46" TO SOIL WETNESS	7	US	"	US
		2-7	SBK/SCL	FR/SEXP/SS/SP					
		7-46	MCL	FR/SEXP/SS/SP					

Description	Initial System	Repair System
Available Space (.1945)	US	US
System Type(s)		
Site LTAR	.2G/FT^2/DAY	.2G/FT^2/DAY

Other Factors (.1946):
Site Classification (.1948): UNSUITABLE
Evaluated By: W. R. Marlin, LSS, 8/28/01, W. R. Marlin
Others Present:

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

Sheet: 2
Property ID: PO 019-252-08
Lot #: N/A
File #: 4710B
Code: 2

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Applicant:

Address: Date Evaluated:

Proposed Facility: Design Flow (.1949): Property Size:

Location of Site: Property Recorded:

Water Supply: [ ] Public [ ] Individual [ ] Well [ ] Spring [ ] Other

Evaluation Method: [ ] Augur Boring [ ] Pit [ ] Cut

Type of Wastewater: [ ] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY 1941 .1941 Structure/ Texture	SOIL MORPHOLOGY 1941 .1941 Consistence Mineralogy	OTHER PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
7	R	0-2	GR/CL	FR/SEXP/SS/SP	>47" TO SOIL WETNESS	18	PS	NONE	PS, SAP II .2G/FT^2/DAY
		2-18	ABK/PR	VF/MIXED/VS/VP					
		18-47	M/L	FR-FI/SEXP/SS/SP					
8	R	0-8	GR/CL	FR/SEXP/SS/SP	>51 TO SOIL WETNESS	30	PS	"	"
		8-22	ABK/C	VF/MIXED/VVS/VP					
		22-51	M/L	FR-FI/SEXP/SS/SP					
9	LS	0-4	GR/SCL	FR/SEXP/SS/SP	>48" TO SOIL WETNESS	48	N/A	"	PS, IV .2G/FT^2/DAY
		4-39	SBK/C	FI/SEXP/S/P					
		39-48	SBK/CL	FR/SEXP/SS/SP					
10	LS	0-6	GR/SCL	FR/SEXP/SS/SP	>42" SOIL WETNESS	42	"	"	"
		6-32	SBK/C	FI/SEXP/S/P					
		32-42	SBK/SCL	FR/SEXP/SS/SP					

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

Other Factors (.1946): _____

Site Classification (.1948):

Evaluated By:

Others Present:

FILE # 4708

COMMENTS 1026 Repairs

LANDSCAPE POSITION	GROUP	TEXTURE	.1955 LTAR
R-RIDGE	I	S-SAND	1.2-0.8
S-SHOULDER SLOPE		LS-LOAMY SAND	
L-LINEAR SLOPE			
FS-FOOT SLOPE	II	SL-SANDY LOAM	0.8-0.6
N-NOSE SLOPE		L-LOAM	
H-HEAD SLOPE			
CC-CONCLAVE SLOPE	III	SI-SILT	0.6-0.3
CV-CONVEX SLOPE		SICL-SILTY CLAY LOAM	
T-TERRACE		CL-CLAY LOAM	
FP-FLOOD PLAIN		SCL-SANDY CLAY LOAM	
	IV	SC-SANDY CLAY	0.4-0.1
		SIC-SILTY CLAY	
		O-ORGANIC	

CONSISTENCE	
MOIST	WET
VFR-VERY FRIABLE	NS-NON-STICKY
FR-FRIABLE	SS-SLIGHTLYSTICKY
FI-FIRM	S-STICKY
VFI-VERY FIRM	VS-VERY STICKY
EFI-EXTREMELY FIRM	NP-NON-PLASTIC
	SP-SLIGHTLYSTICKY
	P-PLASTIC
	VP-VERY PLASTIC

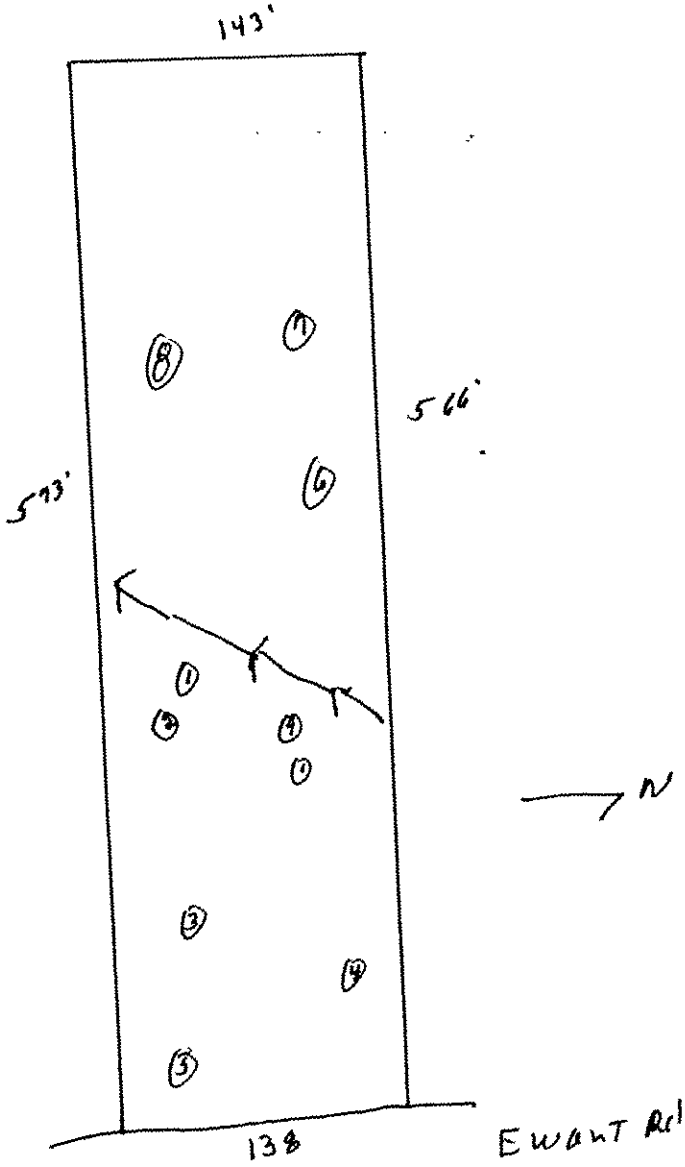
STRUCTURE

SG-SINGLE GRAIN
M-MASSIVE
CR-CRUMB
GR-GRANULAR
SBK-SUBANGULAR BLOCKY
ABK-ANGULAR BLOCKY
PL-PLATY
PR-PRISMATIC

MINERALOGY

SLIGHTLY EXPANSIVE

EXPANSIVE



NOW OR FORMERLY
PHUOVONG V. SINGTO
and wife, MALAYPHET SINGTO
9669-539

NOW OR FORMERLY
CARLOTTA ATKINS WILLIAMS
9781-521

EWART ROAD
(S.R. 2602)
(PAVED)

1/2" EIR

S15°03'40"E
145.00'

1/2" IRS

N74°07'10"E 566.77' (TOTAL)
(NEW LINE)
538.72'

546.90'

S73°37'40"W 573.42' (TOTAL)
(NEW LINE)

N15°03'40"W
143.66'

1/2" IRS

1.844 Acres.
80326 Sq.ft.

265ft to Back Line

40 ft

180 ft to Line of wood

BARBED WIRE FENCE

OVERHEAD POWER LINE

GRAVEL DRIVE

28.05'

1/2" IRS

CP

S15°56'00"E
73.74'

S19°51'02"E
65.14'

26.62'

CP

1/2" IRS

EOP

N19°51'02"W
165.96'
(TIE ONLY)

CP

3/4" EIR

S78°52'36"W
30.72'
(TIE ONLY)

FORMERLY
EWART
MARGARET A. EWART

NOW OR FORMERLY
CARLOTTA ATKINS WILLIAMS
9781-521

N20°59"E
14.65'
TO SCALE)

50 0

NORTH CA
PROFESSI
SEAL
L-4230
LAND SURVE
ROBERT S. SH