Groundwater & Wastewater Services
Septic Project File & Data Review Worksheet

LD 7/8/09 Pass 10/5/10

GWS File #: 8076B WASPS App #: 4203

Primary ES assigned to project: PW

Secondary ES assigned to project:

Project Type: New System ☑ Alteration ☐ Repair ☐ Modified Plot Plan ☐

I. File Review:

Rule or Law	Permit Application			
.1937(d)	Is the Application complete	Yes ☑	No ☐	N/A ☐
.1937(d)	Is there a Site plan/Plat with application	Yes ☑	No ☐	N/A ☐
.1937(d)	Is the Facility shown?	Yes ☑	No ☐	N/A ☐
.1937(d)	Are appurtenances shown	Yes ☑	No ☐	N/A ☐
	Site Evaluation Information			
.1939 (a)(1)	Topography and Landscape Position Recorded?	Yes ☑	No ☐	N/A ☐
.1940 (a-g)	Slope % Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(2)	Texture Class Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(2)	Structure type Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(2)	Consistence Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(2)	Mineralogy Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(3)	Soil Wetness Condition Recorded?	Yes ☐	No ☐	N/A ☑
.1939 (a)(4)	Soil Depth to Rock or Parent Material Recorded When Encountered	Yes ☐	No ☐	N/A ☑
.1939 (a)(5)	Depth to Restrictive Horizons Recorded When Encountered?	Yes ☐	No ☐	N/A ☑
.1939 (a)(6)	Sufficient Available Space Recorded?	Yes ☑	No ☐	N/A ☐
.1937(m)	Are the Profile Locations Shown?			
.1939(a)	Are the S/PS Profiles in system & in repair area?	Yes ☑	No ☐	N/A ☐
& .1945(b)	Number of auger borings made: 7 Were sufficient auger borings made?	Yes ☑	No ☐	N/A ☐
.1939(d), .1955, .1956, .1957	LTAR 275	Yes ☑	No ☐	N/A ☐
	Improvement Permit/Construction Authorization			
.1937(g) 130A-336(a)	Proposed System Type stated-Initial	Yes ☑	No ☐	N/A ☐
.1945(b)	Proposed System Type stated-Repair	Yes ☑	No ☐	N/A ☐
130A-336 (a)(3)	System location identifiable by setbacks - Initial	Yes ☑	No ☐	N/A ☐
.1937(g) .1945(b)	System components shown – Initial	Yes ☐	No ☐	N/A ☐
.1945(b)	Repair area shown	Yes ☑	No ☐	N/A ☐
.1937 (f)(g)	Does System design match facility, flow & WWcharacteristics?	Yes ☑	No ☐	N/A ☐
.1937 (f)(g)	Is System design consistent with soil/site conditions?	Yes ☐	No ☐	N/A ☐
.1937 (f)(g)	Is the System located in the approved area?	Yes ☑	No ☐	N/A ☐
130A-336(a)	Is the Design flow (gpd) indicated?	Yes ☑	No ☐	N/A ☐

130A-336(a)	Number of Bedrooms, employees, seats, etc. indicated?	Yes ☑	No ☐	N/A ☐
.1937(g)	Trench depth indicated?	Yes ☑	No ☐	N/A ☐
.1937(g)	Trench width indicated?	Yes ☑	No ☐	N/A ☐
.1937(g)	Trench length indicated?	Yes ☑	No ☐	N/A ☐
130A-336(a)(1)	Proposed/existing well shown?	Yes ☑	No ☐	N/A ☐
130A-336(a)(1)	Property line lengths shown?	Yes ☑	No ☐	N/A ☐
130A-336(a)	Facility/appurtenance setbacks shown from fixed points?	Yes ☑	No ☐	N/A ☐
	Operation Permit			
.1937(i)	System type as described in table V(a) of rule .1961	Yes ☑	No ☐	N/A ☐
.1937(i)	Conditions for system performance, operation, maintenance, monitoring and reporting.	Yes ☑	No ☐	N/A ☐

II. WASPS Review:

Construction authorization issued	Yes ☐	No ☐	N/A ☐
Installation approval issued	Yes ☐	No ☐	N/A ☐
Operation permit issued	Yes ☐	No ☐	N/A ☐
Other related documentation	Yes ☐	No ☐	N/A ☐

Items requiring correction/modification: _____

Comments:

IA issued date: 9 28 09

OP issued date: 10-1 09

Review performed by: CR Date performed: 6 26 09

0701

PW

$80268

MECKLENBURG COUNTY
GROUNDWATER & WASTEWATER SERVICES

4203

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:** 011-101-16

TAX PARCEL NUMBER: 4671-57-4278

STREET ADDRESS: 16012 POPLAR TENT ROAD

CITY: HUNTERSVILLE NC (Church)

STATE: NC **ZIP:** 28078

SUBDIVISION NAME:

LOT #: **LOT SIZE (acres):** 1.04

TOWNSHIP:

☐ 0-MECKLENBURG ☐ 3-CORNELIUS ☑ 6-HUNTERSVILLE

☐ 1-CHARLOTTE ☐ 4-PINEVILLE ☐ 7-MINT HILL

☐ 2-DAVIDSON ☐ 5-MATTHEWS

4. **BUILDING INFORMATION:**

BUILDING TYPE:

☐ SINGLE MOBILE HOME ☑ MODULAR HOME

☐ DOUBLE WIDE ☐ MULTIPLE FAMILY

☐ HOUSE ☐ OTHER _____

HEATED SQUARE FOOTAGE: 1456

NUMBER OF BEDROOMS: 3

NUMBER OF OCCUPANTS: 4

FOUNDATION TYPE:

☐ CONCRETE SLAB ☐ BASEMENT WITH PLUMBING

☑ CRAWL SPACE ☐ BASMENT 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: _____ NUMBER OF ADDITIONAL OCCUPANTS IN THE RESIDENCE: _____

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?** MAY 3 2009 ☐ UNKNOWN

11. **WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY?** UNKNOWN ☐ N/A

12. **PROPERTY OWNER:**

NAME: BRIAN ANTWAIN REID

ADDRESS: 16012 Poplar Tent Rd (Church)

CITY: HUNTERSVILLE NC - 28078

STATE: NC ZIP: 28078

HOME PHONE:

WORK PHONE:

MOBILE PHONE:

FAX:

13. **OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:**

NAME: ERIC WARD FREEDOM HOMES

ADDRESS: 1124 Charlotte Hwy

CITY: TROUTMAN

STATE: NC ZIP: 28166

HOME PHONE: 704-528-6444

WORK PHONE: 704-528-7960

MOBILE PHONE: 704-746-4778

FAX: 704-528-7355

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

Revised on: 7/1/08

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.

EMW (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.

EMW (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.

Eric M. Ward
Property Owner's or Owner's Legal Representative Signature

5-18-09
Date

OFFICE USE ONLY

☐ SURVEY PLAT TO SCALE SUBMITTED ☐ SCALED SITE PLAN SUBMITTED ☑ UN-SCALED SITE PLAN SUBMITTED

SEPTIC APPLICATION FEES RECEIVED: $ 250 400 CC 12231 DATE FEE RECEIVED: 5/19/09 6/25/09

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

APPLICATION PROCESSED BY: JC

GWS FILE NUMBER ASSIGNED: 80268

APPLICATION ID NUMBER ASSIGNED: 4203

COMMENTS:

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

Revised on: 7/1/08

AND SURVEYO
JAMES R. HOBBS

DEED NORTH
D.B. 7428 PG

HUNTERSVILLE-CONCORD RD.

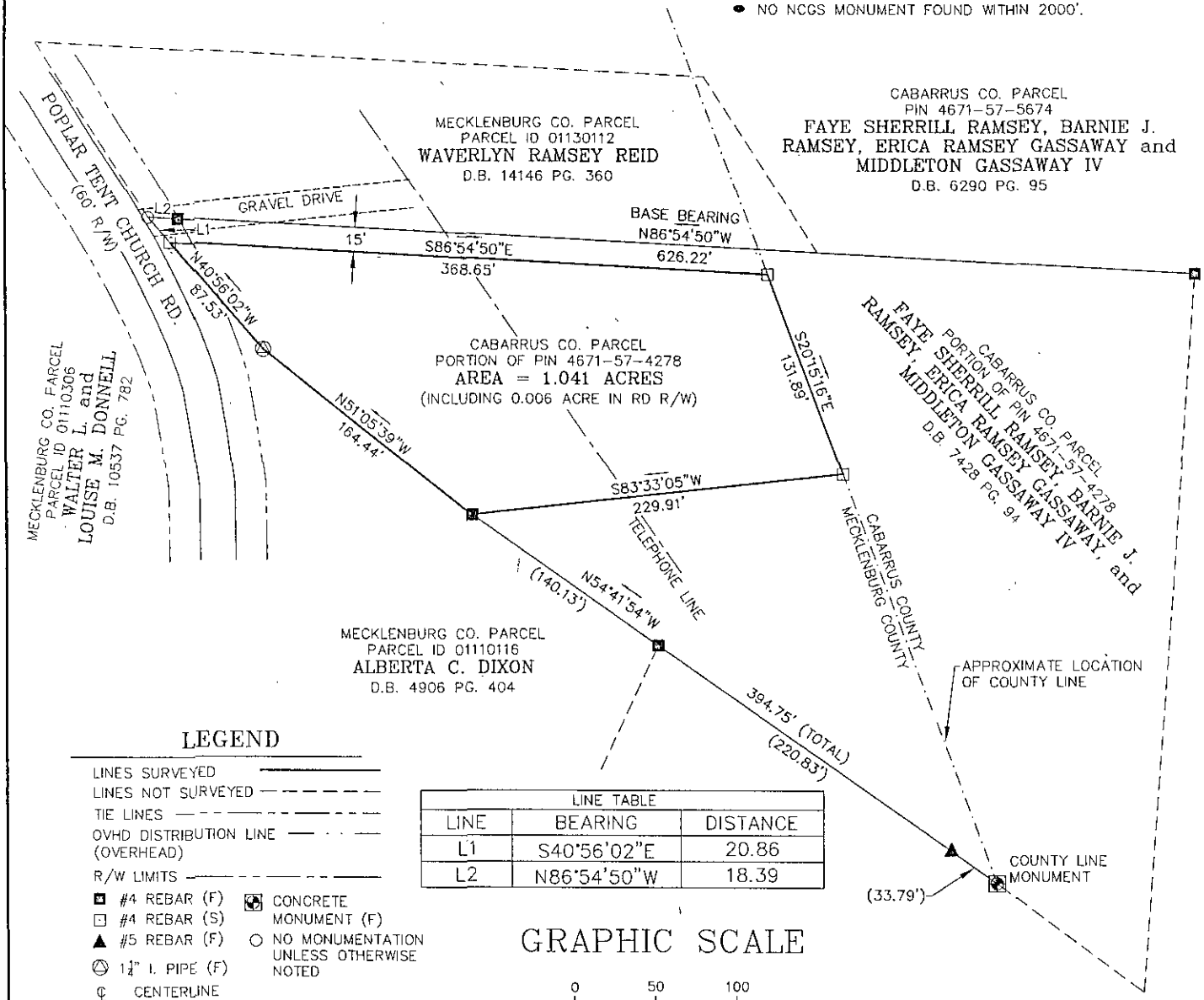
COUNTY

LOCATION MAP NOT TO SCALE

THIS MAP IS NOT A CERTIFIED SURVEY AND HAS NOT BEEN REVIEWED BY A LOCAL GOVERNMENT AGENCY FOR COMPLIANCE WITH ANY APPLICABLE LAND DEVELOPMENT REGULATIONS.

NOTES:

- ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES UNLESS OTHERWISE NOTED.
- AREA BY COORDINATE COMPUTATION.
- PROPERTY SUBJECT TO ANY VALID & ENFORCEABLE EASEMENTS, RESTRICTIONS & RIGHTS OF WAY OF RECORD.
- SURVEY IS BASED ON PHYSICAL EVIDENCE AND EXISTING MONUMENT FOUND DURING THE SURVEY.
- PROPERTY CORNER PIPE SIZES AS SHOWN ARE NOMINAL INSIDE DIAMETER.
- NO NCGS MONUMENT FOUND WITHIN 2000'.



LEGEND

- LINES SURVEYED
- LINES NOT SURVEYED
- TIE LINES
- OVHD DISTRIBUTION LINE (OVERHEAD)
- R/W LIMITS
- #4 REBAR (F)
- #4 REBAR (S)
- #5 REBAR (F)
- 1½" I. PIPE (F)
- CONCRETE MONUMENT (F)
- NO MONUMENTATION UNLESS OTHERWISE NOTED
- ℄ CENTERLINE
- ℙ PROPERTY LINE
- (F) DENOTES "FOUND"
- (S) DENOTES "SET"
- NTS DENOTES "NOT TO SCALE"

LINE TABLE		
LINE	BEARING	DISTANCE
L1	S40°56'02"E	20.86
L2	N86°54'50"W	18.39

GRAPHIC SCALE

0 50 100

(IN FEET)
1 inch = 100 ft.

LNS FILE NO.:	S090401
DWG NO.:	S090401
SURVEYED BY:	J.R. HOBBS
DRAWN BY:	N.D. WHITLEY
CHECKED BY:	J.R. HOBBS

TAX ID: 4671-57-4278
FOR SOURCE OF TITLE REFER TO D.BK. 7428 PG. 94

FAMILY SUBDIVISION OF
PROPERTY OWNED BY

FAYE SHERRILL RAMSEY, BARNIE J. RAMSEY, ERICA RAMSEY GASSAWAY, AND MIDDLETON GASSAWAY IV

HUNTERSVILLE TOWNSHIP

LNS

SURVEY AND MAP PREPARED BY:
LAKE NORMAN SURVEYING & MAPPING PLLC

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

Page 1
Property ID: 011-101-16
Lot #: 2
File #: 8026B
AppID: 4203

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Brian Antwain Reid
Applicant: Eric Ward
Address: 16012 poplar Tent Road
Date Evaluated: 5/26/09
Proposed Facility: residence
Design Flow (.1949): 360 GPD
Property Size: 1.04 acre
Location of Site: 16006 Poplar Tent Road
Property Recorded:
Water Supply: [ ] Public [x] Individual [x] Well [ ] Spring [ ] Other
Evaluation Method: [x] Auger Boring [ ] 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	b PROFILE FACTORS 1942 Soil Wetness/ Color	1943 Soil Depth (IN.)	1956 Sapro Class	1944 Restr Horiz	Profile Class & LTAR
1	LS	0-8	gr/scl	FR/SS/SP/SEXP	>32" TO SOIL WETNESS	32	NA	NONE	US
	4%	8-27	pr/sc	EXP/VP/S/VFI					
		27-32	M/SCL	FI/SEXP/SS/SP					
2	LS	0-6	GR/SCL	FR/SS/SP/SEXP	>29" TO SOIL WETNESS	29	NA	NONE	US
	5%	6-11	SCL/SBK	FR/SS/SP/SEXP					
		11-29	SC/SBK	EXP/VFI/S/VP					
					POSSIBLE PLATY				
3	LS	0-3	GR/SCL	FR/SS/SP/SEXP	>23" TO SOIL WETNESS	23	NA	NONE	US
	5%	3-23	SC/SBK	EXP/VFI/S/VP					
4	LS	0-4	GR/SL	FR/SS/SP/SEXP	>17" TO SOIL WETNESS	17	NA	NONE	US
	5%	4-17	C/SBK	EXP/VFI/S/VP					
5	LS	0-3	CL/GR	FR/SS/SP/SEXP	>27" TO SOIL WETNESS				US
	5%	3-8	SCL/SBK	FR/SS/SP/SEXP					
		8-27	SC/SBK	VFI/EXP/VPS					
6	LS	0-8	C/SBK	FI/SS/SP/SEXP	>49" TO SOIL WETNESS	49"	NA	NONE	PS, IV
	5%	8-49	C/SBK	FI/SEXP/S/P					0.3

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	III b	III b
Site LTAR	0.275	0.275

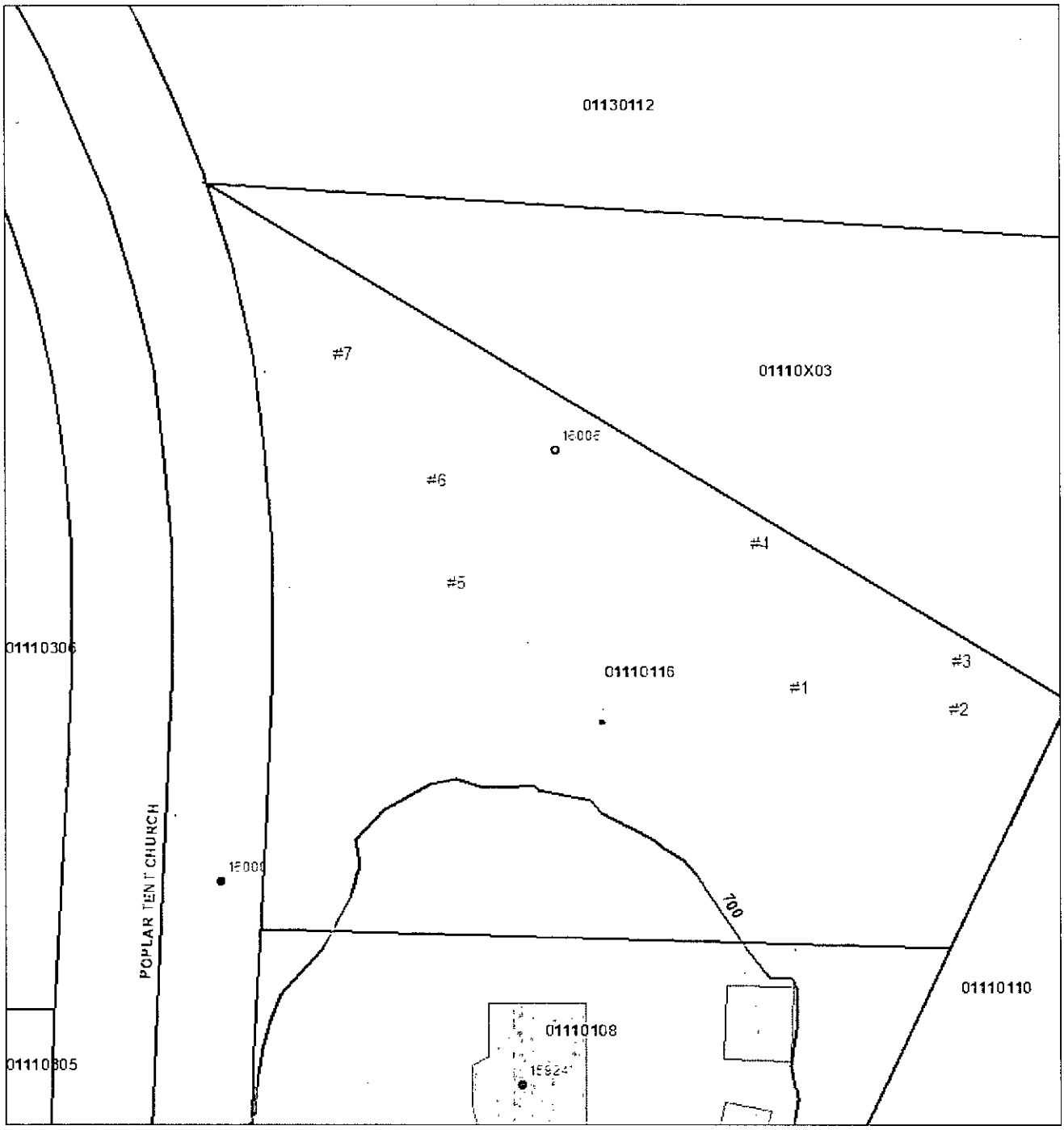
Other Factors (.1946):
Soil Evaluation By: Philo Walker, R.S.
Others Present: Bill Marlin, LSS
Site Classification (.1948): Provisionably Suitable
Site Evaluation By: Philo Walker, R.S.
Others Present:

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	

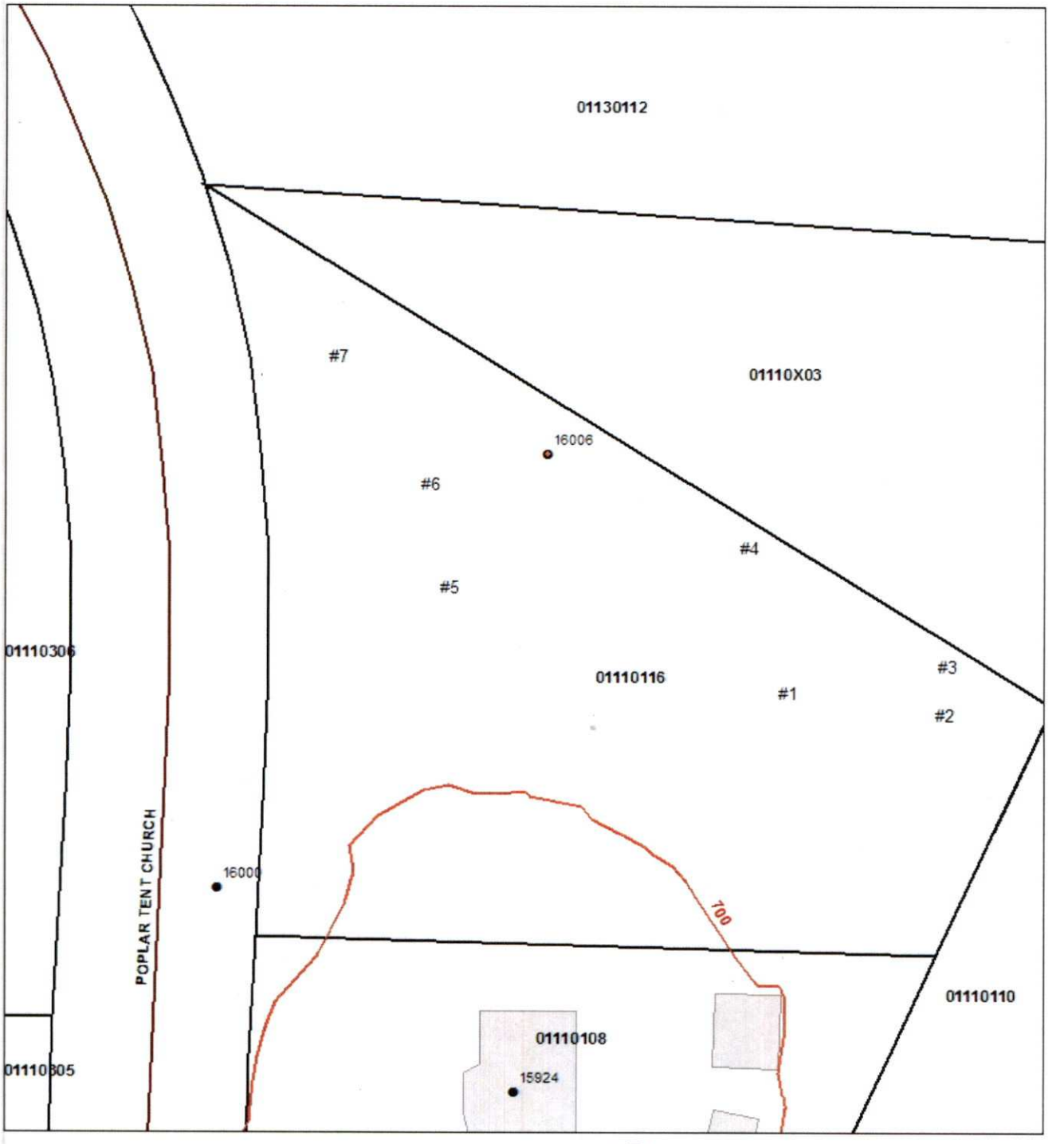
SOIL EVALUATION LOCATIONS FOR
16006 Poplar Tent Road
WAPSPS APPLICATION # 4203



SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM
CONTINUED

PROFILE #	1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY 1941		OTHER PROFILE FACTORS				Profile Class & LTAR
			1941 Structure/ Texture	1941 Consistence Mineralogy	1942 Soil Wetness/ Color	1943 Soil Depth (IN.)	1956 Sapro Class	1944 Restr Horiz	
7	LS	0-10	GR/SCL	FRI/S/P/SEXP	>50" TO SOIL WETNESS	50"	NA	NONE	PS, IV
	5%	10-50	C/SBK	FI/S/P/SEXP					0.275

SOIL EVALUATION LOCATIONS FOR
16006 Poplar Tent Road
WAPSPS APPLICATION # 4203



Map Created By: J. Michael
Map Created On: 2/25/09

0 20 40 80 Feet

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM
CONTINUED

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	LS	0-10	GR/SCL	FRI/S/P/SEXP	>50" TO SOIL WETNESS	50"	NA	NONE	PS, IV
	5%	10-50	C/SBK	FI/S/P/SEXP					0.275

ND SURVEYOR
JAMES R. HOBBS

Comments
47HR .215
1500 ST lift pump required
100 to DT
pressure manifold distribution
Install 5 lines @ 65' long
@ 3' and 325 LF
25% Reduction System
Keep the septic system
100' (50' min) from the
proposed well
Not to scale

Filed
802648

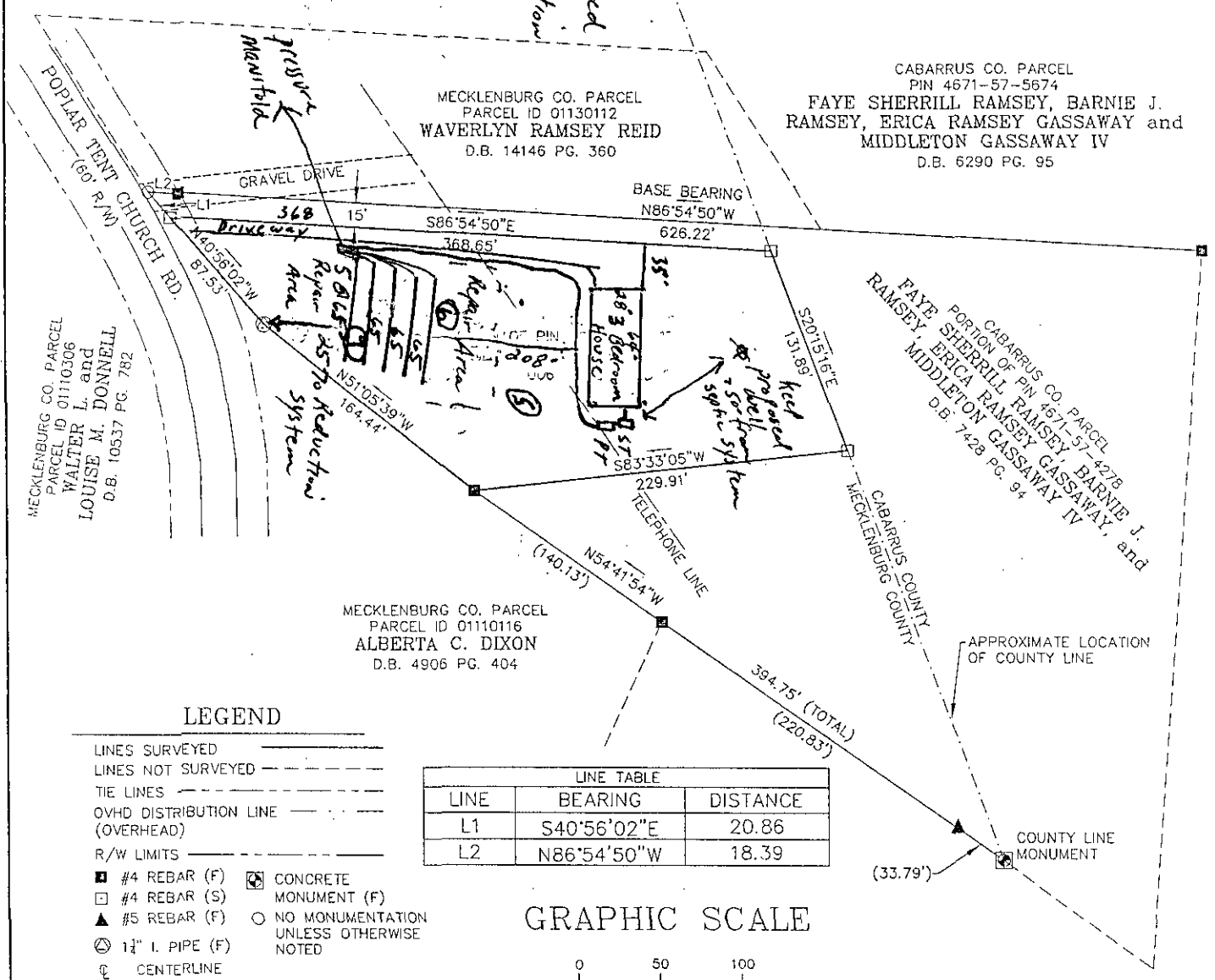
DEED NORTH
D.B. 7428 P

HUNTERSVILLE-CONCORD RD.
COUNTY

LOCATION MAP NOT TO SCALE

NOTES:

- ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES UNLESS OTHERWISE NOTED.
- AREA BY COORDINATE COMPUTATION.
- PROPERTY SUBJECT TO ANY VALID & ENFORCEABLE EASEMENTS, RESTRICTIONS & RIGHTS OF WAY OF RECORD.
- SURVEY IS BASED ON PHYSICAL EVIDENCE AND EXISTING MONUMENT FOUND DURING THE SURVEY.
- PROPERTY CORNER PIPE SIZES AS SHOWN ARE NOMINAL INSIDE DIAMETER.
- NO NCGS MONUMENT FOUND WITHIN 2000'.



LEGEND

- LINES SURVEYED
- LINES NOT SURVEYED
- TIE LINES
- OVHD DISTRIBUTION LINE (OVERHEAD)
- R/W LIMITS
- #4 REBAR (F)
- #4 REBAR (S)
- #5 REBAR (F)
- 1¼" I. PIPE (F)
- CONCRETE MONUMENT (F)
- NO MONUMENTATION UNLESS OTHERWISE NOTED
- CENTERLINE
- PROPERTY LINE
- (F) DENOTES "FOUND"
- (S) DENOTES "SET"
- NTS DENOTES "NOT TO SCALE"

LINE TABLE		
LINE	BEARING	DISTANCE
L1	S40°56'02"E	20.86
L2	N86°54'50"W	18.39

GRAPHIC SCALE

0 50 100

(IN FEET)
1 inch = 100 ft.

LNS FILE NO.:	S090401
DWG NO.:	S090401
SURVEYED BY:	J.R. HOBBS
DRAWN BY:	N.D. WHITLEY
CHECKED BY:	J.R. HOBBS

TAX ID: 4671-57-4278
FOR SOURCE OF TITLE REFER TO D.BK. 7428 PG. 94

FAMILY SUBDIVISION OF
PROPERTY OWNED BY

FAYE SHERRILL RAMSEY, BARNIE J. RAMSEY, ERICA RAMSEY GASSAWAY, AND MIDDLETON GASSAWAY IV

HUNTERSVILLE TOWNSHIP

LNS

SURVEY AND MAP PREPARED BY:
LAKE NORMAN SURVEYING & MAPPING PLLC

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St, Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-6894

NC DENR
Division of Environmental Health
On-Site Wastewater Section

IMPROVEMENT PERMIT for a RESIDENTIAL ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

Permit #: **30004203** GWS File #: **8026B** Tax Parcel #: **011-101-16**

- This 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.

I. This Improvement Permit Shall: Expire in Five (5) Years **Expiration Date (If Applicable):** 6/10/2014

Type of Installation: Residential - New System Lot Number: 0

Structure Type: HOUSE Size (ft^2): 1456 # Bedrooms: 3 # Occupants: 4

Building Foundation: Crawl Space Water Supply: Private Well

II. Initial System Type: Pump to Approved **System Classification:** IIIb

Initial System Specifications:

Design Flow (gpd):	360	LTAR (gpd/ft^2):	0.275	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	1000
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	982	Total Trench Length (ft):	327
Maximum Trench Depth (in):	24	Depth of Media (in):	12	Distribution Device:	Pressure Manifold		

III. Repair System Type: Pump to Approved **System Classification:** IIIb

Repair System Specifications:

Design Flow (gpd):	360	LTAR (gpd/ft^2):	0.275	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	1000
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	982	Total Trench Length (ft):	327
Maximum Trench Depth (in):	24	Depth of Media (in):	12	Distribution Device:	Pressure Manifold		

IV. Permit Conditions/Comments:

(Please See the Following Page for Permit Conditions.)

The undersigned, an authorized agent of the MECKLENBURG COUNTY HEALTH DEPARTMENT, certifies that the Department is issuing an IMPROVEMENT PERMIT for the above referenced property. This permit is being issued in accordance with the *Laws and Rules For Sewage Treatment, and Disposal Systems* and is subject to the following provisions:

- No work shall be conducted on the septic system until an INSTALLATION APPROVAL is granted by the Department.
- The septic system installer shall be a registered septic contractor with Mecklenburg County Health Department.
- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

DENR Authorized Agent: Philo Walker Owner/Legal Agent: Eric Ward

Signature: Philo Walker RS Print Name Signature: Eric Ward

Date Issued: 6/10/2009

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St, Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-6894

NC DENR
Division of Environmental Health
On-Site Wastewater Section

IMPROVEMENT PERMIT for a RESIDENTIAL ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

Permit #: **30004203** GWS File #: **8026B**

IV. Permit Conditions/Comments:

- This type of septic system requires an inspection once every 5 years by our office. The system owner is responsible for any fees, as determined by the Mecklenburg County Board of Commissioners, associated with this inspection.
- All components of the septic system must be located at least 100 ft. (50 ft. minimum) from all private wells.
- All waterlines must be located a minimum of 10 ft. from any part of the septic system.
- The supply pipe shall be installed with a minimum of 30" of compacted cover over the pipe or properly sleeved under areas that are subject to vehicular traffic.

The undersigned, an authorized agent of the MECKLENBURG COUNTY HEALTH DEPARTMENT, certifies that the Department is issuing an IMPROVEMENT PERMIT for the above referenced property. This permit is being issued in accordance with the *Laws and Rules For Sewage Treatment and Disposal Systems* and is subject to the following provisions:

- No work shall be conducted on the septic system until an INSTALLATION APPROVAL is granted by the Department.
- The septic system installer shall be a registered septic contractor with Mecklenburg County Health Department.
- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

DENR Authorized Agent: Philo Walker

Signature: Philo Walker RS

Date Issued: 6/10/2009

Owner/Legal Agent: ERIC WARD
Print Name

Signature: Eric Ward

...water & Wastewater Services
...St., Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-6894

NC DENR
Division of Environmental Health
On-Site Wastewater Section

INSTALLATION APPROVAL for an
ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

File #: 9026B Permit #: 4203 Tax Parcel #: 011 101 16

Property Owner: Brian A. Reid Church

Job Location Address: 16006 Poplar Tent Road

City: Huntersville State: NC Zip Code: 28078

Installation Approval Issuance Date: 9/28/09

Permission is hereby given to ☑ install ☐ alter ☐ repair an on-site wastewater treatment & and disposal system, with subsurface soil absorption and effluent discharge, as specified herein at the described location. This approval is granted based upon the application information submitted to our office. All work shall be completed on or before 9/28/09, after which date this approval shall be null and void. The system shall meet all of the construction requirements of 15A NCAC 18A. 1900 which are in effect on the date of granting this approval. An **Operation Permit** must be obtained from the Mecklenburg County Health Department before any system can be covered up or placed into service. The issuance of this permit does not in any way guarantee that the system anticipated to be constructed will operate properly, or relieve any person now of hereafter owning, controlling or using such system from any liability resulting from the failure of the system to operate properly.

NOTICE: This system shall not be installed while soils are in a wet condition.

Permitted Design Flow: 360 GPD Site LTAR: .275 GPD/ft² (For new installations only.)

Liquid Capacity of Septic Tank: 1500 gallons Liquid Capacity of Dosing Tank: 1000 gallons

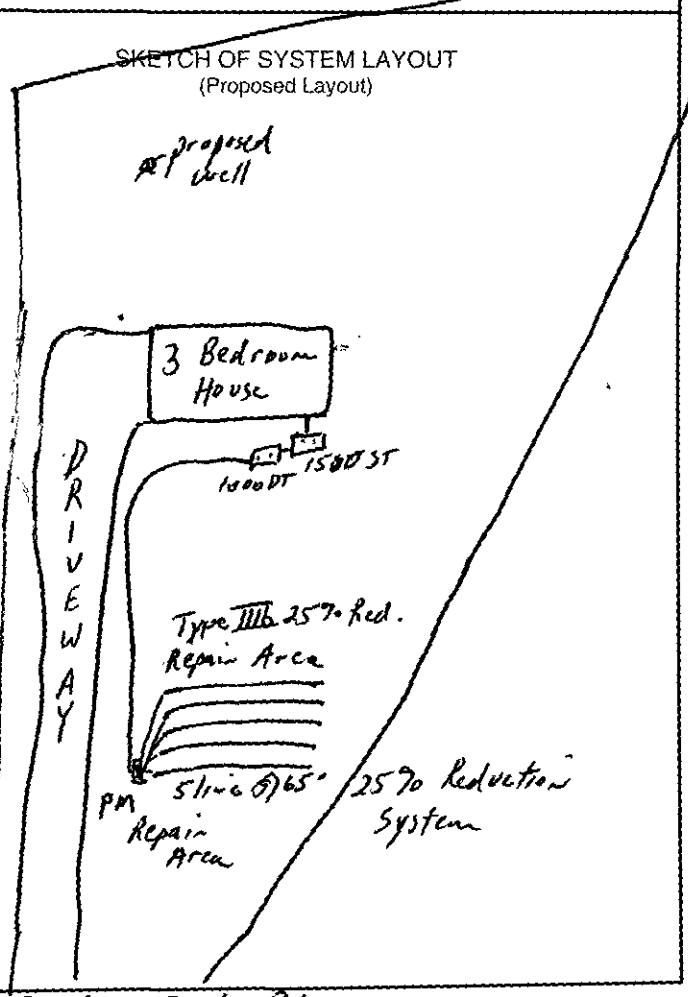
Field Design ☐ N/A
Depth: 24 inches
Width: 3 feet
Spacing: 9 feet (O.C.)
Length: 325 feet
5 @ 65 feet
Distribution: 12 inches (Type) 25% Reduction
Device: D Box or other

Bed (Repair Installations ONLY.) ☒ N/A
Bed ___ inches
Total ___ feet
# of L ___ feet
Depth ___ feet
Distri ___ inches (Type) ___

Water
☐ Mun
☐ Othe ell ☐ Community Well

Minimum
Distance
Distance n: 5 feet
Distance ___ feet (50' min)
Comment: 100 feet

SKETCH OF SYSTEM LAYOUT
(Proposed Layout)



Type: Poplar Tent Rd

Type: ...tion system w/ pump

DENR Auth: ...Walker Signature: Phil Walker RS

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St., Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-6894

NC DENR
Division of Environmental Health
On-Site Wastewater Section

OPERATION PERMIT for an ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

File #: 8026 B Permit #: 4203 Tax Parcel #: 011 101 16

Property Owner: Brian Reed Church

Job Location Address: 16006 Poplar Tent Road

City: Huntersville State: NC Zip Code: 28078

Operation Permit Issuance Date: 10/1/09 Contractor Name: A 1 Backhoe

Permitted Design Flow: 360 GPD

Liquid Capacity of Dosing Tank: 1000 gallons

Liquid Capacity of Septic Tank: 1500 gallons

Effluent Pump Model: Gould 1/3 Hp

Drainfield Installation ☐ N/A

Trench Depth: 24 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 325 feet

# of Lines: 5 @ 65 feet

Depth of Media: 12 inches (Type) Chamber Quick 4

Depth of Cover: 12 inches

Distribution Device: Chamber Fed

Inspection Dates

Tank(s) Inspected: 8/28/09

Excavation Inspected: 8/28/09

Pump & Controls Inspected: 10/1/09

SKETCH OF SYSTEM INSTALLATION
(As-Built Drawing)

See installation approval

Bed Installation *(For Repair Installations ONLY.)* ☒ N/A

Bed Depth: _____ inches

Bed Width: _____ feet

Total line length: _____ feet

# of Lines: _____ @ _____ feet

Depth of Media: _____ inches (Type) _____

Depth of Cover: _____ inches

Distribution Device: _____

Water Supply Source

☐ Municipal ☑ Private Well ☐ Community Well

☐ Other _____

System Installation Setbacks

Distance from Building Foundation: 5 feet

Distance from Property Line: 10 feet

Distance from Water Supply Source: > 100 feet

The undersigned has inspected the Septic Tank System described above, and certifies it has been ☑ installed ☐ altered ☐ repaired ☐ as detailed in the plot above ☑ in accordance with the permit issued 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. The issuance of this 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. 1900 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 or Revocation of this permit.

Comments: System Classification & Type: Type IIIb Pump to Chambers IQ4, P, NA, NA

DENR Authorized Agent: Philo Walker Signature: Philo Walker RS

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St., Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-6894

Division of Environmental Health
On-Site Wastewater Section

OPERATION PERMIT for an ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

Tax Parcel #: 011 101 16

File #: 8026B Permit #: 4203

Property Owner: Brian Reed

Job Location Address: 16006 Poplar Tent Church Rd

City: Huntersville State: NC Zip Code: 28078

OPERATION PERMIT CONDITIONS:

I. Performance: System shall perform in accordance with 15A NCAC 18A .1961.

II. Monitoring: System shall be monitored as required by 15A NCAC 18A .1961.

III. Maintenance: Ground absorption sewage treatment and disposal systems shall be checked, and the contents of the septic tank removed, periodically from all compartments, to ensure proper operation of the system. The contents shall be pumped whenever the solids level is found to be more than 1/3 of the liquid depth in any compartment.

IV. Operation: System shall be operated in accordance with 15A NCAC 18A .1961.

System Classification: IIIb

*Operation Permits for Type V and VI systems expire five (5) years from the date of issuance (in accordance with Table V(a)). The system owner must contact GWS six (6) months prior to expiration for permit renewal.

Subsurface system operator required: Yes ☐ No ☑

☐ This type of system requires the system owner to maintain a contract with a certified operator to perform system inspection, maintenance, and reporting as required in 15A NCAC 18A .1961. and Table V(a). The system owner is responsible for all fees associated with these services.

☐ System does not require inspection by GWS on a routine frequency.

☑ System requires inspection by GWS once every five (5) years. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every three (3) years. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every twelve (12) months. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every six (6) months. The system owner is responsible for all fees associated with the inspection.

V. Other: Type IIIb Pump to Chambers

DENR Authorized Agent: Philo Walker Date: 10/1/16

Signature: Philo Walker RS

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St., Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-6894

NC DEN
Division of Environmental
On-Site Wastewater Section

INSTALLATION APPROVAL for an
ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

File #: 9026 B Permit #: 4203 Tax Parcel #: 011 101 16

Property Owner: Brian A. Reid Church

Job Location Address: 16006 Poplar Tent Road

City: Huntersville State: NC Zip Code: 28078

Installation Approval Issuance Date: 8/28/09

Permission is hereby given to ☑ install ☐ alter ☐ repair an on-site wastewater treatment & and disposal system, with subsurface soil absorption and effluent discharge, as specified herein at the described location. This approval is granted based upon the application information submitted to our office. All work shall be completed on or before 9/28/09, after which date this approval shall be null and void. The system shall meet all of the construction requirements of 15A NCAC 18A. 1900 which are in effect on the date of granting this approval. An **Operation Permit** must be obtained from the Mecklenburg County Health Department before any system can be covered up or placed into service. The issuance of this permit does not in any way guarantee that the system anticipated to be constructed will operate properly, or relieve any person now of hereafter owning, controlling or using such system from any liability resulting from the failure of the system to operate properly.

***NOTICE: This system shall not be installed while soils are in a wet condition.**

Permitted Design Flow: 360 GPD

Site LTAR: .275 GPD/ft² (For new installations only.)

Liquid Capacity of Septic Tank: 1500 gallons

Liquid Capacity of Dosing Tank: 1000 gallons

Drainfield Design ☐ N/A

Trench Depth: 24 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 325 feet

# of Lines: 5 @ 65 feet

Depth of Media: 12 inches (Type) 25% Reduction

Distribution Device: D Box or other

Bed Design *(For Repair Installations ONLY.)* ☒ N/A

Bed Depth: _____ inches

Bed Width: _____ feet

Total line length: _____ feet

# of Lines: _____ @ _____ feet

Depth of Media: _____ inches (Type) _____

Distribution Device: _____

Water Supply Source

☐ Municipal ☑ Private Well ☐ Community Well

☐ Other _____

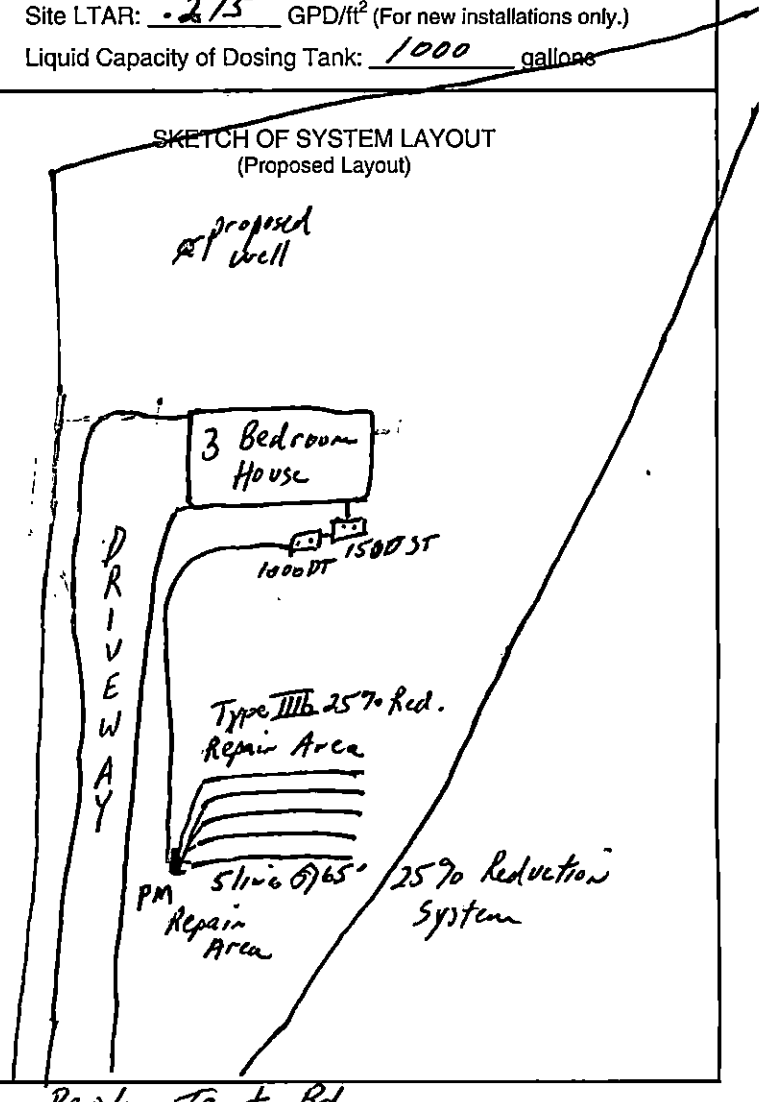
Minimum System Setbacks

Distance from Building Foundation: 5 feet

Distance from Property Line: 10 feet (50' min)

Distance from Water Supply Source: >100 feet

SKETCH OF SYSTEM LAYOUT
(Proposed Layout)



Comments: System Classification & Type: Poplar Tent Rd

Type IIIg 25% Reduction system w/ pump

DENR Authorized Agent: Philo Walker Signature: Philo Walker RS

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St., Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-6894

NC DENR
Division of Environmental Health
On-Site Wastewater Section

OPERATION PERMIT for an
ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

File #: 8026B Permit #: 4203 Tax Parcel #: 011 101 16

Property Owner: Brian Reed Church

Job Location Address: 16006 Poplar Tent Rd

City: Huntersville State: NC Zip Code: 28078

OPERATION PERMIT CONDITIONS:

I. Performance: System shall perform in accordance with 15A NCAC 18A .1961.

II. Monitoring: System shall be monitored as required by 15A NCAC 18A .1961.

III. Maintenance: Ground absorption sewage treatment and disposal systems shall be checked, and the contents of the septic tank removed, periodically from all compartments, to ensure proper operation of the system. The contents shall be pumped whenever the solids level is found to be more than 1/3 of the liquid depth in any compartment.

IV. Operation: System shall be operated in accordance with 15A NCAC 18A .1961.

System Classification: IIIb

*Operation Permits for Type V and VI systems expire five (5) years from the date of issuance (in accordance with Table V(a)). The system owner must contact GWS six (6) months prior to expiration for permit renewal.

Subsurface system operator required: Yes ☐ No ☑

☐ This type of system requires the system owner to maintain a contract with a certified operator to perform system inspection, maintenance, and reporting as required in 15A NCAC 18A .1961. and Table V(a). The system owner is responsible for all fees associated with these services.

☐ System does not require inspection by GWS on a routine frequency.

☑ System requires inspection by GWS once every five (5) years. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every three (3) years. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every twelve (12) months. The system owner is responsible for all fees associated with the inspection.

☐ System requires inspection by GWS once every six (6) months. The system owner is responsible for all fees associated with the inspection.

V. Other: Type IIIb Pump to Chambers

DENR Authorized Agent: Philo Walker Date: 10/1/09

Signature: Philo Walker RS

DATE: 05/19/2009 PERMIT NUMBER: _____

TO: CHARLOTTE-MECKLENBURG CODE ENFORCEMENT

FROM: MECKLENBURG COUNTY GIS JURISDICTION: MECK

HUNT(ETJ)

~~011-101-16~~ 011-301-14 RVC 9-8-16

PARCEL NUMBER

16006 POPLAR TENT CHURCH RD

ASSIGNED STREET ADDRESS (ADDRESS OF RECORD)

N/A

EXISTING STREET ADDRESS (IF DIFFERENT FROM ASSIGNED)

N/A

PROJECT NAME (IF APPLICABLE)

Remarks: NEW CONSTRUCTION PERMIT - S F HOUSE (ALSO PARCEL # 011-10X-03)

Signed: _____

Addressing Verification Form Disclaimer Statement

The party indicated on this application shall be responsible for maintaining this address throughout the life of the project from plan submittal through final C/O. The contents of this form reflect information provided by the party listed on this form.

Incorrect information may result in delays in getting final approval of permits and the final C/O.

Special Circumstances: If a temporary address is being verified for the purposes of Plan Review, the responsible party will be required to obtain and submit a new form verifying the permanent address prior to issuance of the permit.

Name (please print) _____

Company _____

Company Address _____

_____

Telephone # _____

Signature _____

Date _____

Revised Oct-2005

MAY. 19. 2009 2:41PM FREEDOM HOMES

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	05/19/09	**Amount:**	250.00
Receipt #:	62852	**Tendered:**	250.00
Check / Auth #:	VISA 085059	**Returned:**	0.00
Received By:	SADERLW		

Account Information

Account #: 200000
Contractor: REID, BRIAN ANTWAIN
Attn:
Address: 16012 POPLAR TENT RD
Address:
City/State/Zip: HUNTERSVILLE, NC 28078

Item	Description	Permit#	Quantity	Unit Price	Total Price
07011	Improvment Permit App-Residen FREEDOM HOMES/ERIC WARD		1	250.00	250.00

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
40.00					

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	06/25/09	**Amount:**	200.00
Receipt #:	63361	**Tendered:**	0.00
Check / Auth #:	VISA 012331	**Returned:**	0.00
Received By:	CRAIGGY		

Account Information

Account #:	200000
Contractor:	WARD ERIC
Attn:	
Address:	1124 CHARLOTTE HWY
Address:	
City/State/Zip:	TROUTMAN, NC 28166

Item	Description	Permit#	Quantity	Unit Price	Total Price
0734	Auth for Waste Wtr Sys Constr FILE 8026B/16006 POPLAR TENT CHURCH RD		1	200.00	200.00

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
~~275.00~~	~~160.00~~				

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	06/25/09	**Amount:**	200.00
Receipt #:	63362	**Tendered:**	0.00
Check / Auth #:	VISA 012331	**Returned:**	0.00
Received By:	CRAIGGY		

Account Information

Account #:	200000
Contractor:	WARD ERIC
Attn:	
Address:	1124 CHARLOTTE HWY
Address:	
City/State/Zip:	TROUTMAN, NC 28166

Item	Description	Permit#	Quantity	Unit Price	Total Price
0703	Installation/Final Approval FILE 8026B/16006 POPLAR TENT CHURCH RD		1	200.00	200.00

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
~~275.00~~	~~160.00~~				