Supervisor/Administrative Professional Checklist

New Septic ☑ **New Well** ☑ **Use Existing** ☐ **Alteration** ☐ **Modified Plot Plan** ☐

New Septic Fees Paid:

IP ($250.00) lws 8/9/12 Initials/Date

CA ($200.00) lws 12/4/14 Initials/Date

OP ($200.00) lws 12/4/14 Initials/Date

(CA and OP fees need to be paid before a building permit can be issued)

New Well Fee Paid: $550.00 _____ Initials/Date

Use Existing Fee Paid: $100.00 _____ Initials/Date

Alteration Fee Paid: $300.00 (Total) $200 (If use existing was paid)_____ Initials/Date

Modified Plot Plan Fee Paid: $100.00 _____ Initials/Date

Floor plans need to be submitted and reviewed before CA can be issued. ☑ Reviewed ☑ SAM 7/7/15

This site is served by septic and well. Verify each is complete before final hold is released. ☑

Septic file completed. ☐ _____ Well file completed. ☐ _____

Send permit for signature. ☑ Signature received. ☑ _____

This septic system requires a certified operator contract before final hold is released. ☐

Certified operator contract is on file. ☐ _____

Groundwater & Wastewater Services
Septic Project File & Data Review Worksheet

GWS File #: _____ WASPS App #: _____

Primary ES assigned to project: _____

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: 6 Were sufficient auger borings made?	Yes ☑	No ☐	N/A ☐
.1939(d), .1955, .1956, .1957	LTAR	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: 10/2/15

OP issued date: 10/9/15

Review performed by: JAM Date performed: _____

8559B

MECKLENBURG COUNTY HEALTH DEPARTMENT App.#5743

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: 13927619

STREET ADDRESS: 10834 HADRIANS WALK COURT

CITY: Charlotte

STATE: NC ZIP: 28227

SUBDIVISION NAME: Sherwood Forest

LOT #: 41 LOT SIZE (acres): 1.078

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: _____

NUMBER OF BEDROOMS: 4

NUMBER OF OCCUPANTS: 5

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: _____ 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:** ____ ____ ____ ____ ____

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?** _____ ☒ UNKNOWN

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

12. **PROPERTY OWNER:**

NAME: True Homes

ADDRESS: 2649 Brekonridge Centre Dr

CITY: Monroe

STATE: NC ZIP: 28110

WORK PHONE: _____

MOBILE PHONE: 803-389-3387

FAX: _____

E-MAIL: _____

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

NAME: Scott Twiddy

ADDRESS: 1932 Clark Elliott St

CITY: Fort Mill

STATE: SC ZIP: 29708

WORK PHONE: _____

MOBILE PHONE: 803-389-3387

FAX: 800-980-4077

E-MAIL: ~~stwiddy.cds@gmail.com~~ stwiddy@Cantina-Development.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.

_____ _____

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

---

OFFICE USE ONLY

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

SEPTIC APPLICATION FEE RECEIVED: $ _____ DATE FEE RECEIVED: _____

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

APPLICATION PROCESSED BY: _____

GWS FILE NUMBER ASSIGNED: _____

APPLICATION ID NUMBER ASSIGNED: _____

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: 12/15/10

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_____ (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)

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_____ 09 AUG 2012

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

---

OFFICE USE ONLY

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

SEPTIC APPLICATION FEE RECEIVED: $ 250 DATE FEE RECEIVED: 8/9/12

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

APPLICATION PROCESSED BY: lwa

GWS FILE NUMBER ASSIGNED: 8559B

APPLICATION ID NUMBER ASSIGNED: 5743

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: 12/15/10

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 #: 30005743 GWS File #: 8559B Tax Parcel #: 139-276-19

- 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):** 6/29/2020

Type of Installation: Residential - New System Lot Number: 41

Structure Type: HOUSE Size (ft^2): 0 # Bedrooms: 4 # Occupants: 5

Building Foundation: Concrete Slab Water Supply: Private Well

II. Initial System Type: PPBPS (gravity) **System Classification:** IIIe

Initial System Specifications:

Design Flow (gpd):	480	LTAR (gpd/ft^2):	0.25	Septic Tank Size (gal):	1000	Pump Tank Size (gal):	N/A
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	960	Total Trench Length (ft):	320
Maximum Trench Depth (in):	31	Depth of Media (in):	N/A	Distribution Device:	Distribution Box		

III. Repair System Type: PPBPS (gravity) **System Classification:** IIIe

Repair System Specifications:

Design Flow (gpd):	480	LTAR (gpd/ft^2):	0.25	Septic Tank Size (gal):	1000	Pump Tank Size (gal):	N/A
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	960	Total Trench Length (ft):	320
Maximum Trench Depth (in):	31	Depth of Media (in):	N/A	Distribution Device:	Distribution Box		

IV. Permit Conditions/Comments:

(Please See the Following Page for Permit Conditions.)

The undersigned, an authorized agent of the STATE OF NORTH CAROLINA, 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 a Pre-Construction meeting has been completed by the Department.
- The septic system installer shall be a licensed septic contractor with the North Carolina Wastewater Contractor Inspector Certification Board.
- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

Authorized Agent: Brad Hallman Owner/Legal Agent: Scott Twitty
Print Name

Signature: Signature: Scott Twitty

Date Issued: 6/29/2015

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 #: 30005743 GWS File #: 8559B

IV. Permit Conditions/Comments:

- All drainage improvements (swales, interceptor drains, etc.) noted on the plot plan must be inspected and approved prior to issuance of an Operation Permit.
- Additional soil cover, as specified on the plot plan, required over the drain field must be inspected and approved prior to issuance of an Operation Permit.
- The septic system shall be installed in accordance with the plans submitted by the wastewater system design consultant.
- All components of the septic system must be installed in accordance with the required setbacks listed on the corresponding plot plan.
- 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.
- Upon completion of the project the system designer shall provide Groundwater & Wastewater Services with a letter certifying that the system was installed in accordance with the approved design.
- The invert of the sewer pipe exiting the structrue should be kept as high as possible in order to achieve gravity flow to the drain field. A dosing tank will be required if gravity flow to the drain field can not be achieved.
- Flow from all gutters and downspouts shall be directed not to discharge water onto or across any part of the septic system.
- Foundation drains shall be constructed not to discharge water onto or across any part of the septic system.
- The septic system shall be located at least 10 feet from any foundation drain.
- 6 inches additional soil cover is required per consultant design.

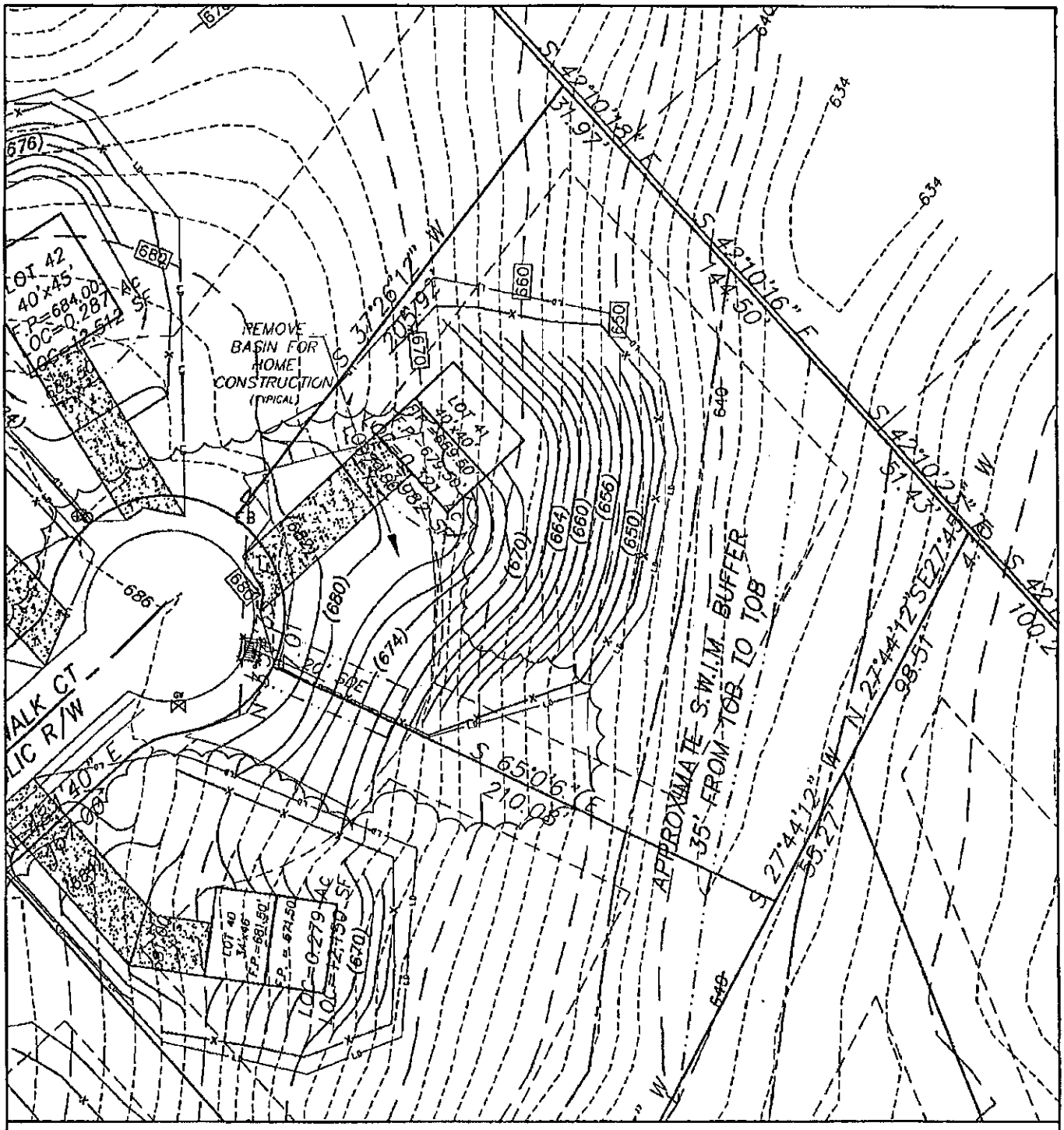
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- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

Authorized Agent: Brad Hallman Owner/Legal Agent: Scott Twiddy
Print Name

Signature: Signature: Scott Twiddy

Date Issued: 6/29/2015



LOT GRADING PLAN
LOT 41
SHERWOOD FOREST SUBDIVISION
MINT HILL, NORTH CAROLINA
CAROLINA DEVELOPMENT SOLUTIONS, LLC
1932 CLARK ELLIOT STREET
FORT MILL, SOUTH CAROLINA 29708
SCALE 1"=50'

GRAPHIC SCALE
50 25 0 50

summit
landservices
P.O. BOX 7442
CHARLOTTE, NC 28241
OFFICE: 704.506.0554
FAX: 704.504.8128
WWW.SUMMIT-COMPANIES.COM

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 #: **30005743** GWS File #: **8559B** Tax Parcel #: **139-276-19**

- 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):** 6/29/2020

Type of Installation: Residential - New System Lot Number: 41

Structure Type: HOUSE Size (ft^2): 0 # Bedrooms: 4 # Occupants: 5

Building Foundation: Concrete Slab Water Supply: Private Well

II. Initial System Type: PPBPS (gravity) **System Classification:** IIIe

Initial System Specifications:

Design Flow (gpd):	480	LTAR (gpd/ft^2):	0.25	Septic Tank Size (gal):	1000	Pump Tank Size (gal):	N/A
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	960	Total Trench Length (ft):	320
Maximum Trench Depth (in):	31	Depth of Media (in):	N/A	Distribution Device:	Distribution Box		

III. Repair System Type: PPBPS (gravity) **System Classification:** IIIe

Repair System Specifications:

Design Flow (gpd):	480	LTAR (gpd/ft^2):	0.25	Septic Tank Size (gal):	1000	Pump Tank Size (gal):	N/A
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	960	Total Trench Length (ft):	320
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IV. Permit Conditions/Comments:

(Please See the Following Page for Permit Conditions.)

The undersigned, an authorized agent of the STATE OF NORTH CAROLINA, 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 a Pre-Construction meeting has been completed by the Department.
- The septic system installer shall be a licensed septic contractor with the North Carolina Wastewater Contractor Inspector Certification Board.
- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

Authorized Agent: Brad Hallman Owner/Legal Agent: _____
Print Name

Signature: _____ Signature: _____

Date Issued: 6/29/2015

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 #: **30005743** GWS File #: **8559B**

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- All components of the septic system must be located at least 100 ft. (50 ft. minimum) from all private wells.
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- The invert of the sewer pipe exiting the structrue should be kept as high as possible in order to achieve gravity flow to the drain field. A dosing tank will be required if gravity flow to the drain field can not be achieved.
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- The septic system shall be located at least 10 feet from any foundation drain.
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- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

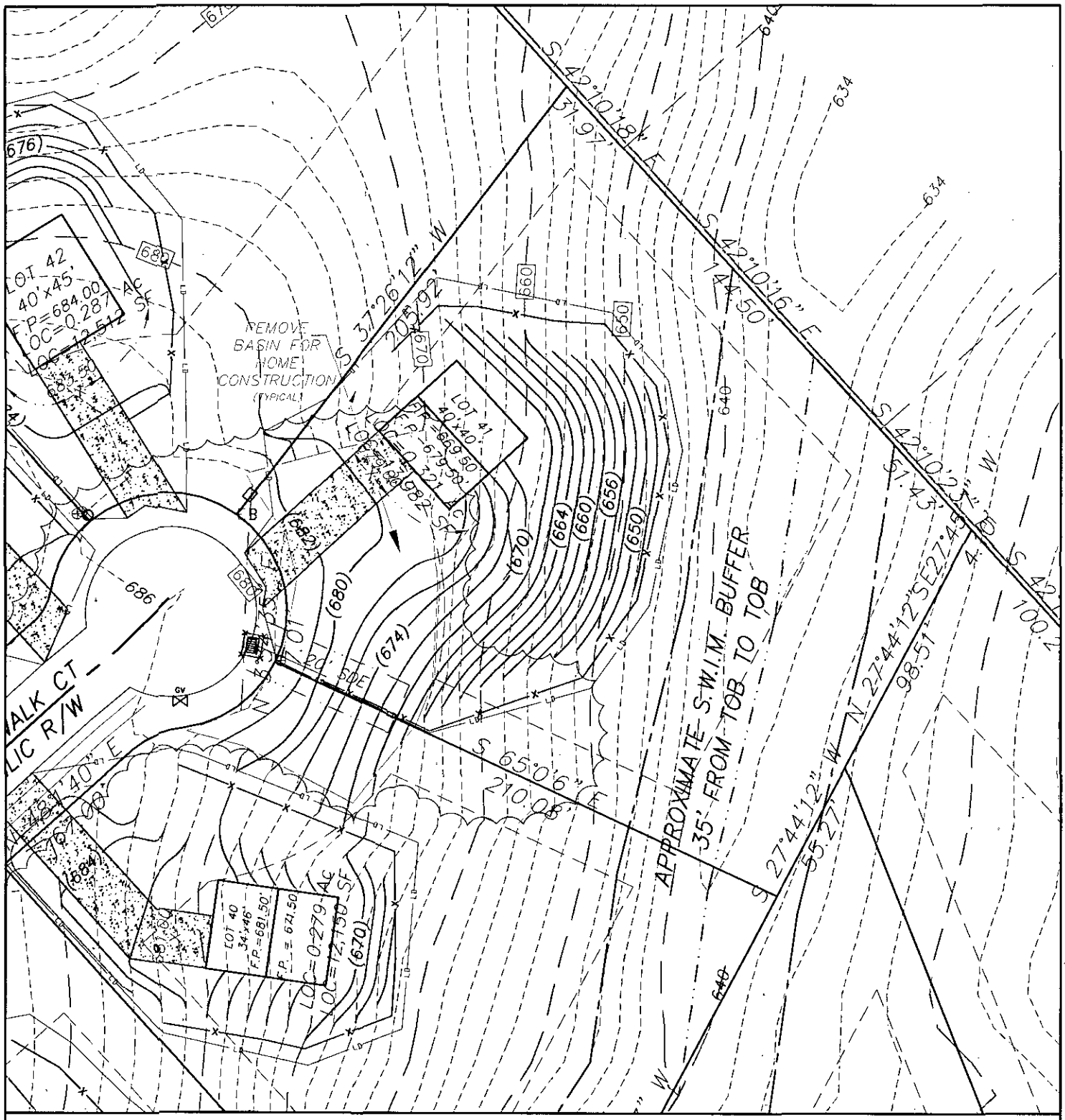
Authorized Agent: Brad Hallman

Signature: _____

Date Issued: 6/29/2015

Owner/Legal Agent: _____
Print Name

Signature: _____



LOT GRADING PLAN
LOT 41
SHERWOOD FOREST SUBDIVISION
MINT HILL, NORTH CAROLINA
CAROLINA DEVELOPMENT SOLUTIONS, LLC
1932 CLARK ELLIOT STREET
FORT MILL, SOUTH CAROLINA 29708
SCALE 1"=50'

GRAPHIC SCALE

50 25 0 50

summit
landservices
P.O. BOX 7442
CHARLOTTE, NC 28241
OFFICE: 704.506.0554
FAX: 704.504.1125
WWW.SUMMIT-COMPANIES.COM

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

Sheet: 1 of 3
Property ID: 139-276-19
Lot #: 41
File #: 8559B
AppID: 5743

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: True Homes
Address: 2649 Brekonridge Centre Dr, Monroe, NC 28110
Proposed Facility: 4 Bedroom House
Design Flow (.1949): 480 GPD
Location of Site: 10834 Hadrians Walk Ct, Charlotte, NC 28227
Water Supply: [ ] Public [ ] Individual [X] Well [ ] Spring [ ] Other
Evaluation Method: [ ] Auger Boring [X] Pit [ ] Cut
Type of Wastewater: [X] Sewage [ ] Industrial Process [ ] Mixed

Applicant: True homes
Date Evaluated: 2/5/15
Property Size: 1.078 ac
Property Recorded: Unknown

PROFILE #	1940 Landscape Position/ Slope%	Horizon Depth (IN)	SOIL MORPHOLOGY .1941 .1941 Structure/ Texture	.1941 Consistence Mineralogy	PROFILE FACTORS[b] .1942 Soil Wetness/ Color	.1943 Soil Depth (IN)	.1956 Sapro Class	.1944 Restr Horiz	General Comments	Profile Class & LTAR	Maximum Trench Bottom Depth for 3' Wide Conventional Trench
Pit #1A	LS 22%	0 - 5	wfsbk CL	SS SP FR SEXP	2 chroma @ 52"	51	PS	NA	saprolite inclusions 33 - 51"	PS IV 0.25	31"
		5 - 33	mmsbk C	S P FI SEXP							
		33 - 51	wmabk CL	SS SP FR SEXP							
		51 - 60	mass L	SS SP FR SEXP							
Pit #7	LS 25%	0 - 8	wfsbk CL	SS SP FR SEXP	>62"	62	NA	NA	saprolite inclusions 48 - 62"	PS IV 0.275	36"
		8 - 48	mmsbk C	S P FI SEXP							
		48 - 62	mfsbk CL	S P FR SEXP							
Pit #4A	LS 24%	0 - 2	wfsbk CL	SS SP FR SEXP	>64"	54	PS	NA	saprolite inclusions 31 - 54"	PS IV 0.275	36"
		2 - 31	mmsbk C	S P FI SEXP							
		31 - 54	wfsbk CL	SS SP FR SEXP							
		54 - 64	mass L	SS SP FR SEXP							
Pit #5A	LS 20%	0 - 8	wfsbk CL	SS SP FR SEXP	>64"	56	PS	NA		PS IV 0.3	36"
		8 - 35	mmsbk C	S P FI SEXP							
		35 - 56	wfsbk CL	SS SP FR SEXP							
		56 - 64	mass L	SS SP FR SEXP							
Pit #8	LS 20%	0 - 6	wfsbk CL	SS SP FR SEXP	>72"	50	PS	NA		PS IV 0.3	36"
		6 - 36	mmsbk C	S P FI SEXP							
		36 - 50	wfsbk CL	SS SP FR SEXP							
		50 - 72	mass L	SS SP FR SEXP							

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	~~Trench~~	~~Trench~~
Site LTAR (gpd/sq ft)	0.25	0.25

Other Factors (.1946):
Soil Evaluation By: Jacob Presley, LSS
Others Present:
Site Classification (.1948): PS.
Site Evaluation By: Bradley W. Holland
Others Present:

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

Sheet: 1 of 2
Property ID: 13927619
Lot #: 41
File #: 8559B
AppID: 5743

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Ture Homes
Applicant: True Homes
Address: 2649 Brekonrdge Centre Dr. Monroe, NC 28110
Date Evaluated: 11/16/2012
Proposed Facility: Residence Design Flow (.1949) 480GPD
Property Size: 1.078
Location of Site: 10834 Hadrians Walk Ct Charlotte, NC 28227
Property Recorded:
Water Supply: [ ] Public [ ] Individual [X] Well [ ] Spring [ ] Other
Evaluation Method: [X] Auger Boring [X] Pit [ ] Cut
Type of Wastewater: [X] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY 1941 Structure/ Texture	SOIL MORPHOLOGY 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	0-2	wfsbk CL	ss sp fr sexp	>48	27	PS	PS	PS IV
	21%	2-18	mmsbk C	s p fi sexp					0.25
		18-27	wfsbk CL	ss sp fr sexp					
		27-48	sls ma L	ss sp fr sexp					
2	LS	0-3	wfsbk SCL	ss sp fr sexp	>49	49	NA	PS	PS IV
	22%	3-34	mmsbk C	s p fi sexp					0.25
		34-49	wfsbk CL	ss sp fr sexp					
3	LS	0-3	wfg L	ss sp fr sexp	>49	32	PS	PS	PS IV
	24%	3-21	mmsbk C	ss sp fi sexp					0.275
		21-32	wfsbk CL	ss sp fr sexp					
		32-49	sls ma L	ss sp fr sexp					
4	LS	0-2	wfsbk CL	ss sp fr sexp	>48	48	NA	PS	PS IV
	24%	2-31	mmsbk C	ss sp fi sexp					0.275
		31-48	wfsbk CL	ss sp fr sexp					
5	LS	0-8	wfsbk CL	ss sp fr sexp	>46	46	NA	PS	PS IV
	18%	8-35	mmsbk C	ss sp fi sexp					0.3
		35-46	wfsbk CL	ss sp fr sexp					
6	LS	0-1	wfg L	ss sp fr sexp	>51	51	NA	PS	PS IV
	23%	1-34	mmsbk C	ss sp fi sexp					0.275
		34-51	wfsbk CL	ss sp fr sexp					

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	III e	III e
Site LTAR	0.25	0.25

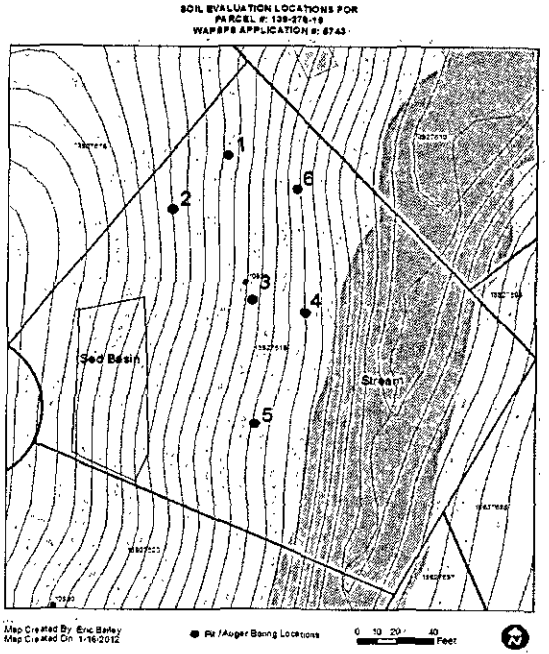
Other Factors (.1946):
Soil Evaluation By: Eric Bailey LSS, REHSI
Others Present:
Site Classification (.1948):
Site Evaluation By:
Others Present:

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		
D-Drainage Way		SCL-Sandy Clay Loam		
		SiL- (Silt 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	NEXP-(Non-expansive)
FR-Friable	SS-Slightly Sticky	SEXP-Slightly Expansive
FI-Firm	S-Sticky	EXP-Expansive
VFI-Very Firm	VS-Very Sticky	
EFI-Extremely Firm	NP-Non-Plastic	
	SP-Slightly Plastic	
	P-Plastic	
	VP-Very Plastic	

Sketch of Soil Evaluation Locations



COMMENTS:

Landscape Position
R-Ridge
SS-Shoulder Slope
LS-Linear Slope
FS-Foot Slope
NS-Nose Slope
HS-Head Slope
CC-Concave Slope
CV-Convex Slope
T-Terrace
FP-Flood Plain
D-Drainage Way

Group	Texture	.1955 LTAR
I	S-Sand	1.2 - 0.8
	LS-Loamy Sand	
II	SL-Sandy Loam	0.8 - 0.6
	L-Loam	
III	Si-Silt	0.6 - 0.3
	SiCL-Silty Clay Loam	
	CL-Clay Loam	
	SCL-Sandy Clay Loam	
	SiL-Silt Loam	
IV	SC-Sandy Clay	0.4 - 0.1
	SiC-Silty Clay	
	C-Clay	

Structure
sg-Single Grain
mass-Massive
cr-Crumb
gr-Granular
sbk-Subangular Blocky
abk-Angular Blocky
pl-Platy
pr-Prismatic
Sap-Saprolite

Structure Prefixes
w-weak
m-moderate
s-strong
f-fine
m-medium
c-coarse

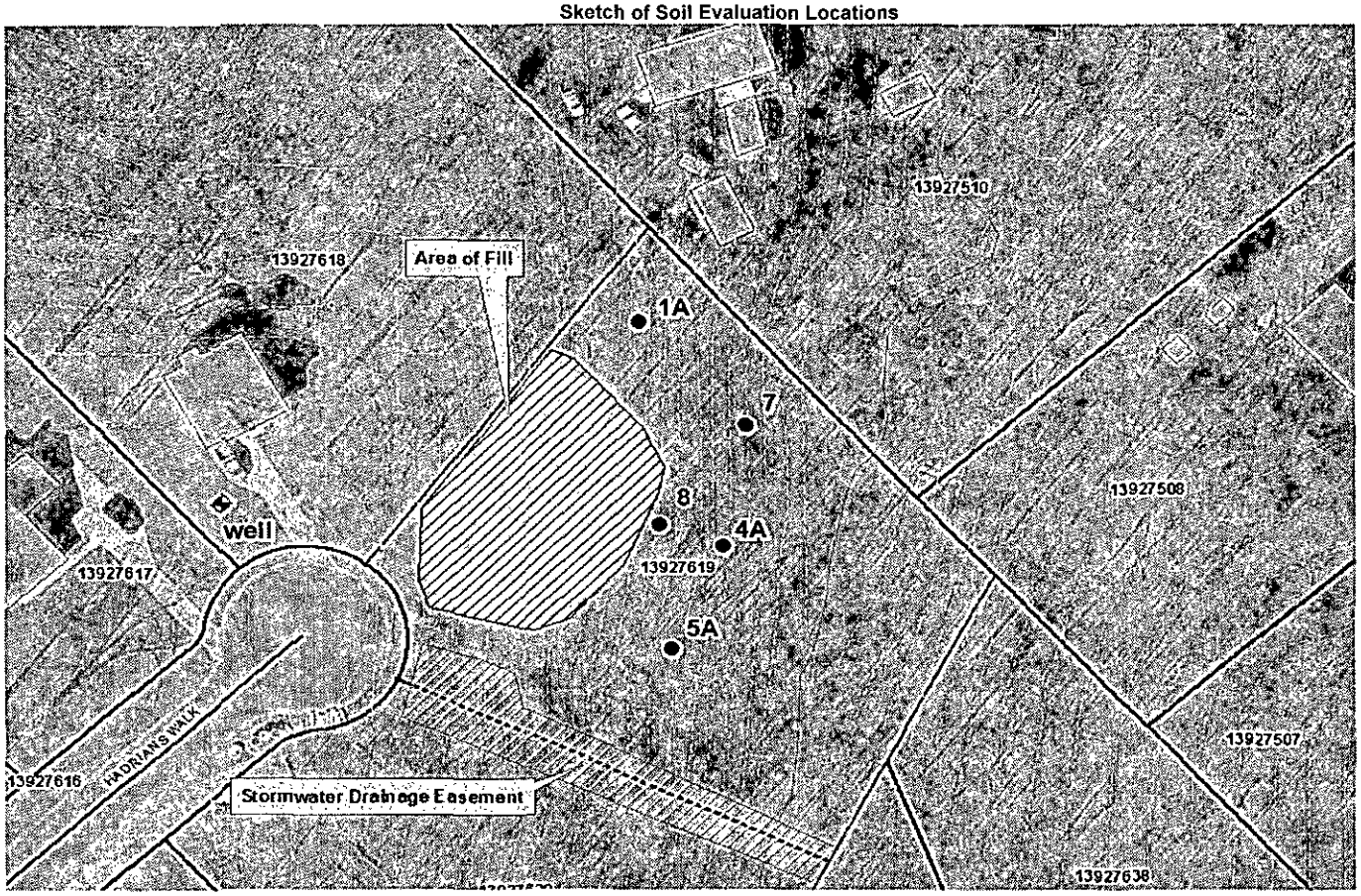
Consistence
Moist
VFR-Very Friable
FR-Friable
FI-Firm
VFI-Very Firm
EFI-Extremely Firm

Consistence
Wet
SS-Slightly Sticky
S-Sticky
VS-Very Sticky
NP-Non-Plastic
SP-Slightly Plastic
P-Plastic
VP-Very Plastic

Mineralogy
SEXP-Slightly Expansive
EXP-Expansive

Classification
US-Unsuitable
PS-Provisionally Suitable
S-Suitable
NA-Not Applicable

Sketch of Soil Evaluation Locations



Residential Subsurface Wastewater Treatment and Disposal System Proposal

for

Sherwood Forest – Lot 41
10834 Hadrians Walk Court
Mint Hill, North Carolina

Tax Parcel # 139-276-19
MCGWS File # 8559B
June 14, 2015

GWS Septic System Design Review

GWS File #: 8559B

	Approved	Disapproved
Design Review:	☑	☐
Field Review:	☑	☐

*Projects are not considered "APPROVED" until both sections above are completed and indicate an APPROVED status.

Prepared for:

True Homes
2649 Brekonridge Center Drive
Monroe, NC 28110
704-238-1229

LICENSED SOIL SCIENTIST
LARRY B. THOMPSON
1287
STATE OF NORTH CAROLINA

Prepared by:

Larry Thompson, REHS, PWS, LSS
Thompson Environmental Consulting, Inc.
PO Box 541
Midland, NC 28107-0541
Phone: 704-301-4881
Fax:
larry@thompsonenv.com

NORTH CAROLINA
REGISTERED
SEAL
1208
ENVIRONMENTAL HEALTH SPECIALIST
LARRY B. THOMPSON JR.

cc: Mecklenburg County Groundwater and Wastewater Services

Boroughbred Dashboard

Other Equine Related Activity

Check all that apply

☐ Breeding

☐ Training

☐ Boarding

☐ Other

Details

True Homes has contracted with Thompson Environmental Consulting, Inc. (TEC) to prepare a septic proposal for a new 4-bedroom single family residence to be located on Lot 41 of the Sherwood Forest subdivision in Mint Hill, North Carolina.

Based upon a soils investigation performed by Mecklenburg County Groundwater and Wastewater Services (MCGWS) on the 1.078 acre lot, as well as an investigation performed by TEC, TEC has determined that a sufficient amount of "Suitable" Group IV soils are available for the installation of a gravity flow Prefabricated Porous Block Panel System (PPBPS) at a 0.25 long term acceptance rate (LTAR) for both the initial and repair systems.

True Homes would like to request that Mecklenburg County Groundwater and Wastewater Services (MCGWS) consider issuing the appropriate permits for a subsurface wastewater treatment and disposal system based upon the following proposal.

Location

The subject property is located at 10834 Hadrians Walk Court in Mint Hill, North Carolina. From downtown Charlotte, travel east on US 74 and continue on to NC 27 approximately 9.1 miles. Turn right onto Cabarrus Road, right onto Ferguson Road and right onto Brief Road. Take the second right onto Friar Tuck Lane and the second right onto Hadrians Walk Court. Lot 41 is located straight ahead in the cul-de-sac.

References

Laws and Rules for Sewage Treatment and Disposal Systems, 15A NCAC 18A, Section .1900, Department of Environment and Natural Resources, Division of Environmental Health, On-Site Wastewater Section, October 2011.

Accepted Wastewater System No. AWWS-05-01; North Carolina Department of Environment and Natural Resources, Division of Environmental Health, On-Site Wastewater Section, April 2, 2005.

Accepted Wastewater System No. AWWS-05-02-R1; North Carolina Department of Environment and Natural Resources, Division of Environmental Health, On-Site Wastewater Section, April 2, 2005.

Primary Investigator's Credentials

NC Registered Sanitarian No. 1208
NC Licensed Soil Scientist No. 1287
NC Subsurface Septic System Operator No. 22199
NC Grade IV Wastewater System Installer No. 1762
NC Certified Wastewater System Inspector No. 17621

Plans and Specifications

A. Septic Tank

1. The septic tank shall be State approved (Section .1953 of 15A NCAC 18A), watertight, structurally sound, and 1500 gallons in capacity.
2. The septic tank will be fitted with an approved effluent filter.
3. It is the responsibility of the septic contractor to thoroughly inspect the septic tank prior to accepting delivery to assure that the tank has had time to properly cure and is free of cracks or other structural deficiencies.

B. Pipe, Fittings and Supply Line

1. All discharge piping, connectors and supply lines should be made of SCH 40 PVC.
2. All joints must be properly "welded" utilizing the appropriate PVC cement for each application.

C. Distribution Method

1. The system will be fed by serial distribution.

D. Interceptor Drain

1. Due to the slope of the lot and the proposed grading plan, an interceptor drain will be required by the county to be installed at the base of the proposed fill section. The proposed drain is depicted on the septic layout.
2. The low side of the interceptor drain should be constructed with a berm to prevent as much surface water runoff as possible.
3. The depth of the interceptor drain should be a minimum of 24 inches deep.

E. Drainfield Installation

1. The proposed drainfield location has been marked on-site utilizing metal stemmed flags. Once this area has been approved by the county, the property owner/builder should mark this area and isolate it as much as possible from construction traffic. Prior to the system installation, the septic contractor shall contact the county for a preconstruction conference at which time the drainfield area will be re-verified.
2. Under no circumstances shall any construction take place within the drainfield area while the soil is in a wet condition. If the installer has doubts as to whether or not the drain field area is dry enough to begin construction, the environmental health specialist for this area should be contacted for permission to proceed with the installation.
3. The specified system is a Type IIIe pre-fabricated permeable block panel system – specifically the 16 inch high panel system manufactured by T&J Panel Wastewater Treatment System, Patent No. 4013559; telephone: 1-800-222-2577. The installer must follow the manufacturer's guidelines for installing the T&J Panel System and

should request an installation manual from the manufacturer prior to beginning construction.

4. The initial drain field consists of seven (7) lateral trenches, each being 3-feet wide by 50 feet long.
5. It is essential that the lateral trenches be constructed on contour with the land, with each trench being excavated level from beginning to end. The use of a tripod mounted engineer's level is essential to assure that each trench is constructed as level as possible.
6. The maximum trench depth for this system shall be **31 inches**. Each trench shall be placed on a minimum of 9-foot on centers.
7. Once trenches are dug, the side walls shall be raked and a light dusting of lime applied.
8. Backfill the trench with 6 inches of sand and level to grade. Once leveled, place 1 x 4 or 6 inch boards on top of the sand the entire length of each trench. Once the grade boards have been set, the panels may be set into the trench. The panels should be placed 6 inches apart.
9. Once the panels have been set, line the top chamber of each panel with 10 – 12 pounds of clean particle sand (medium sand blasting sand). Coverage depth should be approximately 1 inch thick. *Please note that this sand is not the same material specified for backfill.*
10. Tar seal rope, or approved foam, should be placed in the "U" outs of each end of the panel to form seals. Once the tar rope is in place, the Schedule 40 PVC connectors can be added and the seal completed by the addition of more tar rope on the top and sides of the pipe. Now that the connection and seals are complete, a block cap is placed on each end of the panel so that all openings are covered.
11. Once the panels for each trench have been installed and the top of the panels closed, the trench is ready to be backfilled to the top with the sand used in the trench bottom. At this point, the trenches should be left open for the final inspection by the county environmental health specialist.

F. Backfill

4. Backfill sand shall be clean, washed, medium sand that is naturally occurring and falls within the gradation of ASTM C-33 specification (used in the ready mix industry and is readily available).

G. Final Landscaping

1. As previously stated, the final soil cover over the drainfield shall be a minimum of 6 inches deep. Additional soil may need to be brought in to obtain the required cover depth.
2. The drainfield shall be shaped to shed rainwater and be free from low spots.
3. The drainfield area should be planted with grass as soon as possible to prevent erosion. The soil should be properly tilled, limed (if necessary) and fertilized prior to planting. After applying grass seed, the area should be heavily mulched with straw or other suitable material.

H. Utility Conflicts

1. The builder and property owner must take special care in planning for water, power, gas, telephone and cable lines. These utilities shall be kept clear of all parts of the septic system and its proposed repair area. Improper planning for underground utilities can negatively impact the installation and, in some cases, cause irreparable damage and permit revocation. If there are any questions regarding preferred routes, contact the MCGWS as soon as possible.
2. Lawn irrigation should not be placed over the drain field area.

Maintenance

I. In General

1. The homeowner must maintain the drainfield area through periodic mowing. The drainfield must not be allowed to become overgrown.
2. The septic tank should be pumped every 4 years or when the solids within the septic tank reach an elevation that is equivalent to 25 percent of the volume of the tank. In some situations, the tanks may need to be pumped more frequently. If using a garbage disposal, it is recommended that the homeowner has the septic and pump tanks cleaned out annually.
3. When it becomes necessary to clean the effluent filter, the filter should be removed and the accumulated debris washed back into the septic tank – not onto the lawn.
4. Any damp areas, leakages or malfunctions in the drainfield area should be addressed immediately.
5. Divert gutter downspouts and surface water runoff away from the septic and pump tanks.

Design Specifics

Daily Design Flow:	480 GPD – 4 bedroom house
Interceptor Drain:	Yes – Around Base of Fill Slope
Septic Tank Size:	1500 gallons (minimum)
Effluent Loading Rate:	Design = 0.25 GPD per sq. ft.
Drain Field Type:	PPBPS
Distribution Method:	Distribution Box
Number of Drainlines:	7
Drain Lines:	(7) 3' Wide x 50 Feet Long
Total Trench Length:	~~350~~ Linear Feet 320

Number of Panels per Line:	11
Total Number of Panels:	77
Maximum Trench Depth:	31 inches
Final Cover Requirement:	6 inches (minimum)
Repair System Type:	PPBPS
Repair System LTAR:	0.25 gpd/ft^2
Repair Distribution Method:	Gravity – Distribution Box
Total Length of Repair Lines:	320 Feet
Maximum Repair Line Trench Depth:	31 Inches

PPBPS Design Worksheet							File #:	8559		
							Tax #:	139-276-19		
System Requirements							Address:	Sherwood Forest - Lot 41		
Design Flow	480	gpd						Mint Hill, North Carolina		
LTAR	0.250	gpd/ft.^2					Consultant:	Larry Thompson		
Linear footage	640	ft. (conventional)					Phone:	704-301-4881		
Linear footage	320	ft. (50% Reduction)								
							Reviewed By:			
Design Layout							Date:			
Laterals	Length (ft)	# Panels								
Line # 1	50	11								
Line # 2	50	11								
Line # 3	50	11								
Line # 4	50	11								
Line # 5	50	11								
Line # 6	50	11								
Line # 7	50	11								
Totals	**350**	**77**								
Absorption Area										
Length (ft)	Width (ft)	Area (ft^2)								
350	3	1,050								
Comments:										
1. Install system using 3 ft. wide trenches.										
2. Install drainlines on 9 ft. centers, level, and on contour.										
3. Lot is required to have a 100% repair area.										

T & J Panels	
Linear Feet	# Panels
50	11
60	14
70	16
80	18
90	21
100	23

Thompson Environmental Consulting, Inc.
PO Box 541
Midland, NC 28107-0541
704-301-4881

SHEET 1 OF 1

COUNTY: Mecklenburg
TAX ID: 13927619

OWNER: True Homes
LOCATION: Sherwood Forest - Lot 41

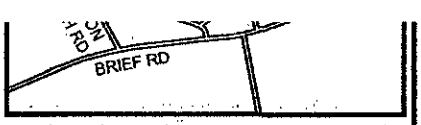
DATE: July 7, 2012

PROFILES		SB-1	SB-2	SB-3	SB-4						
LANDSCAPE POSITION	.1940	ls	ls	ls	ls						
SLOPE (%)	.1940	4%	4%	4%	4%						
HORIZON 1 DEPTH	.1943	0-3	0-5	0-3	0-4						
TEXTURE	.1941 (a)(1)	cl	cl	cl	cl						
CONSISTENCE	.1941	fr	fr	fr	fr						
STRUCTURE	.1941 (a)(2)	sbk	sbk	gr	gr						
CLAY MINERALOGY	.1941 (a)(3)	se	se	se	se						
HORIZON 2 DEPTH	.1943	3-31	5-36	3-32	4-34						
TEXTURE	.1941 (a)(1)	c	c	c	c						
CONSISTENCE	.1941	fi	fi	fi	fi						
STRUCTURE	.1941 (a)(2)	sbk	sbk	sbk	sbk						
CLAY MINERALOGY	.1941 (a)(3)	se	se	se	se						
HORIZON 3 DEPTH	.1943	31-48+	36-48+	32-48	34-48						
TEXTURE	.1941 (a)(1)	cl	cl	cl	cl						
CONSISTENCE	.1941	fr	fr	fr	fr						
STRUCTURE	.1941 (a)(2)	sbk	sbk	sbk	sbk						
CLAY MINERALOGY	.1941 (a)(3)	se	se	se	se						
HORIZON 4 DEPTH	.1943										
TEXTURE	.1941 (a)(1)										
CONSISTENCE	.1941										
STRUCTURE	.1941 (a)(2)										
CLAY MINERALOGY	.1941 (a)(3)										
SOIL WETNESS	.1942										
RESTRICTIVE HORIZON	.1944										
SAPROLITE	.1943/.1956										
CLASSIFICATION	.1948	ps	ps	ps	ps						
L.T.A.R. (gpd/ft^2)	.1955	0.275	0.275	0.275	0.275						

OTHER FACTORS (.1946):		**SITE LTAR (gpd/ft^2):**	**0.275**
AVAILABLE SPACE (.1945):	provisionally suitable		
SITE CLASSIFICATION (.1948):	provisionally suitable	SYSTEM TYPE:	
EVALUATED BY:	Larry Thompson	OTHERS PRESENT:	

COMMENTS:

MATTHEW J. STIKELEATHER, NC PLS L-4243



LEGEND
RY - REAR YARD
SY - SIDE YARD
FY - PFRONT YARD
SDE - STORM DRAINAGE EASMENT
R/W - RIGHT OF WAY
O PROPERTY CORNER - AS DESCRIBED
SUBJECT PROPERTY LINE
ADJACENT OWNER LINE
(UNSURVEYED UNLESS DIMENSIONED)
RIGHT-OF-WAY

50' 0' 25' 50'
1" = 50"

Distribution Box
EXISTING CONTOURS
Interceptor Drain
LOT 42
Septic Tank
PROPOSED CONTOURS
HADRIANS WALK CT
60' PUBLIC R/W
LOT 41
46964 SF
LOT 10
LOT 9
FOX RIDGE SUBDIVISION
MB 20-902
LOT 8
LOT 22
LOT 23
LOT 40
S42°10'16"E 228.38'
N37°13'16"E 205.70'
S27°44'13"W 157.99'
N64°41'13"W 211.02'
20' SDE
50' RY
PATIO
DRIVE
SOD
PLAN 2780 E-H3 MONO
Interceptor Drain
Interceptor Drain
* CREEK
HATCHED AREA CONTAINS:
* 15' UPLAND ZONE
* 35' SWIM BUFFER
* 20' STREAM SIDE ZONE

SITE PLAN INFORMATION
FROM JENKINS LAND SURVEYING
PRELIMINARY SQ. FT.
TOTAL SF TO B/C: 47613 SF
5' PUBLIC S/W: 247 SF IF APPLIED

HOUSE: 1640 SF
DRIVE: 1043 SF HOUSE-R/W
155 SF R/W-B/C
SIDEWALK: 29 SF
PATIO: 100 SF
SOD TO B/C: 16857 SF
SEED/STRAW: 10181 SF
HATCHED AREA: 17361 SF

CURVE	RADIUS	ARC	CHORD	CH. BEARING
C1	45.00'	61.33'	56.69'	N 13ø43'59"W

NOTES

1. THIS IS A COMPILED MAP AND IS NOT A BOUNDARY SURVEY. BEARINGS FOR THIS PLAT ARE REFERENCED TO M.B. 50-628.
2. THIS PROPERTY IS SUBJECT TO ALL EASEMENTS, RIGHTS-OF-WAY, AND RESTRICTIONS OF RECORD. THIS SURVEY WAS COMPLETED WITHOUT A FULL TITLE SEARCH. PROPERTY IS SUBJECT TO DECLARATION OF COVENANTS, CONDITIONS AND RESTRICTIONS, RECORDED, OR UNRECORDED.
4. ADJOINING OWNER INFORMATION TAKEN FROM MECKLENBURG COUNTY TAX OFFICE AND ARE CONSIDERED NOW OR FORMERLY.
5. SETBACKS TAKEN FROM M.B. 50-628.
6. UNDERGROUND UTILITIES NOT LOCATED AT THE TIME OF SURVEY

* This is not a legal survey.. Drawing depicts septic layout.

Sherwood Franck - Lot 41

PRELIMINARY GRADING PLAN FOR
True Homes

SCALE	TOWNSHIP	COUNTY	STATE	DATE
1" =50'	CLEAR CREEK	MECKLENBURG	N.C.	6-3-15

10834 Hadrians Walk Court

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

Septic System Pre-Construction Meeting Checklist

File # 8559B App # 5743 Tax Parcel # 139-276-19

Property Owner: True Homes

Job Location Address: 10834 Hadrians Walk Ct.

City: Mint Hill State: NC Zip Code: 28227

1. Does System design match facility, flow & wastewater characteristics?

   ☑ YES ☐ NO

   Comments: _____

2. Is there sufficient available space for the septic systems initial and repair areas?

   ☑ YES ☐ NO

   Comments: _____

3. Can the septic system be installed per the permit conditions and drawing on file?

   ☑ YES ☐ NO

   Comments: Eliminated interceptor drain

* If "NO" is checked for any of the above the existing permit may need to be revoked.

Permission is hereby given to ☐ install ☐ alter ☐ repair an on-site wastewater treatment & and disposal system, with subsurface soil absorption and effluent discharge meeting all of the construction requirements of 15A NCAC 18A .1900 which are in effect on the date of granting this approval. System shall not be installed while soils are in wet condition.

Bradley W. Hallman — Authorized Agent

10/2/15 — Date

Stevens Septic — Others Present

THOMPSON ENVIRONMENTAL CONSULTING, INC.
WATER ♦ WASTEWATER ♦ WETLANDS

October 9, 2015

Bradley Hallman, RS
Mecklenburg County Groundwater and Wastewater Services
700 N. Tryon Street, Suite 211
Charlotte, NC 28202

Dear Mr. Hallman,

The purpose of this letter is to inform you that I have performed an inspection of the wastewater treatment and disposal system installed for Lot 41 in the Sherwood Forest subdivision.

The two items that vary from the original proposal submitted to your office include the installation of an 1,000 gallon Infiltrator plastic septic tank and the elimination of the upslope interceptor drain. I am satisfied with the overall installation.

Please feel free to call on me if you have any further questions or concerns regarding this project.

Sincerely,

Larry B. Thompson, Jr.

PO BOX 541 • MIDLAND, NC • 28107-0541
PHONE: 704-301-4881 • FAX: 206-350-8895
E-MAIL: LARRY@THOMPSONENV.COM
WEB: WWW.THOMPSONENV.COM

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

NC DHHS
Division of Environmental Health
On-Site Wastewater Section

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

File #: 8559B Permit #: 5743 Tax Parcel #: 139-276-19

Property Owner: True Homes

Job Location Address: 10834 Hadrians Walk Ct Lot 41

City: Mint Hill State: NC Zip Code: _____

Operation Permit Issuance Date: 10/9/15 Contractor Name: Stevens Septic

Permitted Design Flow: 480 GPD Liquid Capacity of Dosing Tank: _____ gallons

Liquid Capacity of Septic Tank: 1000 gallons Manufacture Infiltrator Effluent Pump Model: N/A

Infiltrator Plastic

Drainfield Installation ☐ N/A

Trench Depth: 31" inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 350 feet

# of Lines: 7 @ 50' feet

Depth of Media: NA inches (Type) IIIe Panel

Depth of Cover: 12"+ inches

Distribution Device: D-Box

Inspection Dates

Tank(s) Inspected: 10/7/15

Excavation Inspected: 10/7/15

Pump & Controls Inspected: NA

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 _____

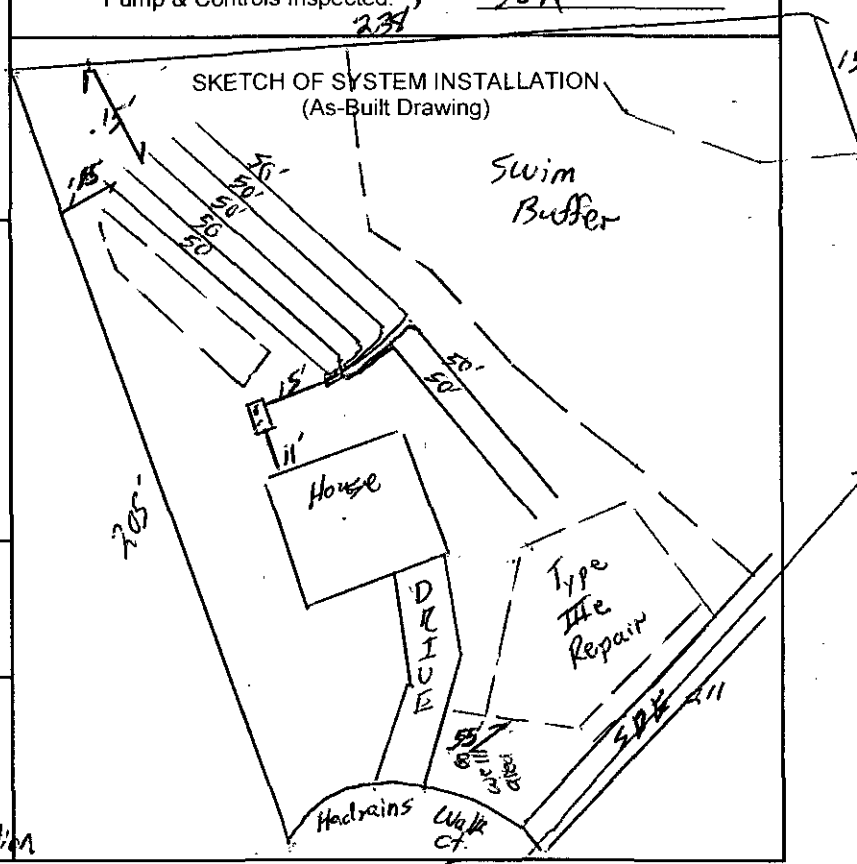
System Installation Setbacks

Distance from Building Foundation: 11' feet

Distance from Property Line: 15'+ feet

Distance from Water Supply Source: NOT Installed at inspection feet

SKETCH OF SYSTEM INSTALLATION
(As-Built Drawing)

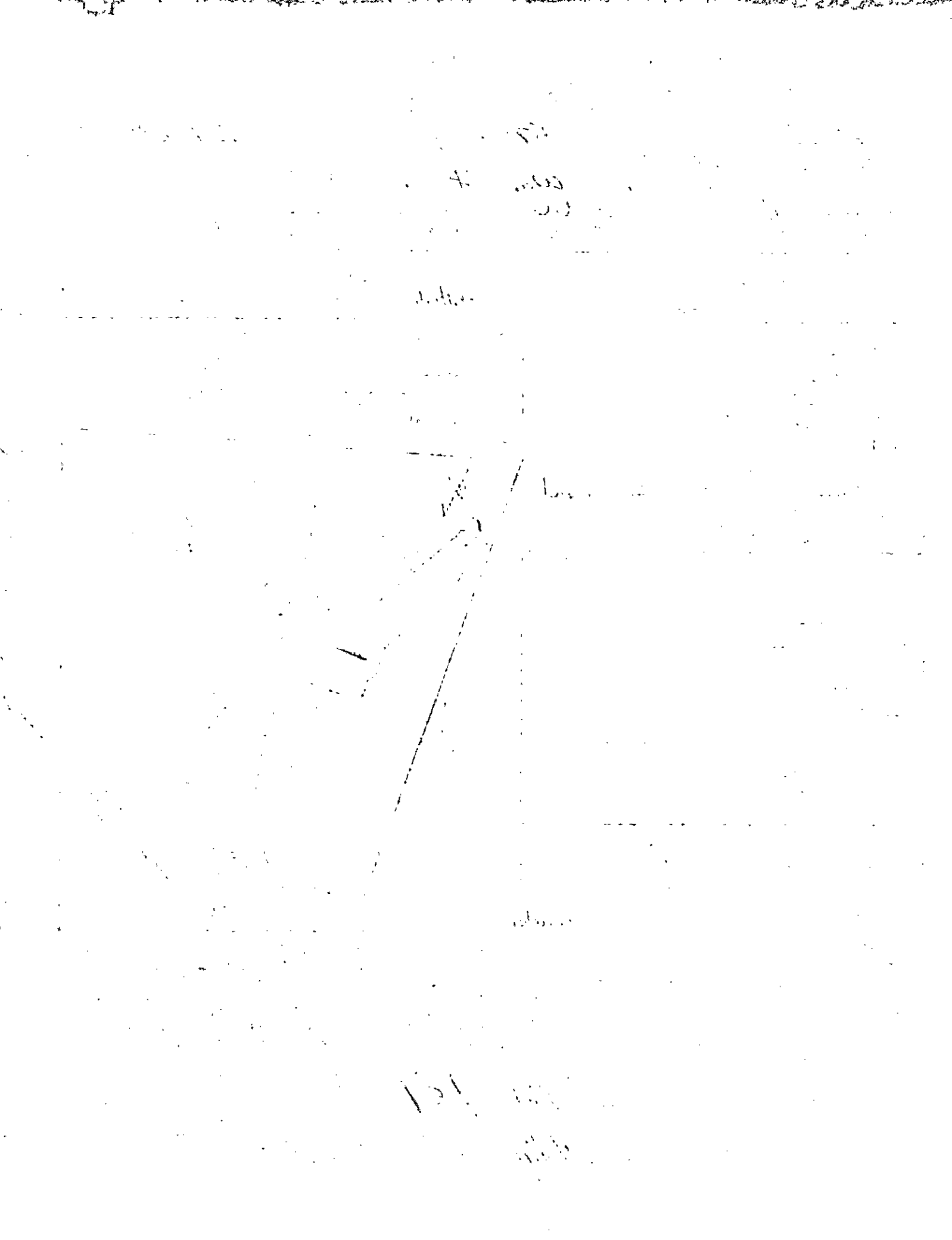


The undersigned has inspected the Septic Tank System described above, and certifies it has been ☒ installed ☐ altered ☐ repaired ☒ as detailed in the plot above ☐ in accordance with the permit issued and meets the provisions of 15A NCAC 18A. 1900, "Laws and Rules for Sewage Treatment and Disposal Systems" 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: IIIe PBBPS / 6 / NA / NA

DENR Authorized Agent: Bradley W. Hallman Signature: _____



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700 N. Tryon St., Suite 211 Charlotte, NC 28202
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NC DENR
Division of Environmental Health
On-Site Wastewater Section

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

File #: 8559B Permit #: 5743 Tax Parcel #: 139-276-19

Property Owner: True Home

Job Location Address: 10834 Hadrians Walk Ct.

City: Mint Hill State: NC Zip Code: _____

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: IIIe

*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: _____

DENR Authorized Agent: Bradley W. Hallman Date: 10/9/15

Signature: _____

s

FEE: 200.00
DATE:7/7/2015

MECKLENBURG COUNTY
GROUNDWATER & WASTEWATER SERVICES

FILE NUMBER: 8559B

PERMIT NUMBER: 30005743

PARCEL NUMBER: 13927619

JOB LOCATION INFORMATION

ADDRESS: 10834 HADRIANS WALK CT

CITY: **STATE: NC** **ZIP:**

ISSUED TO: True Homes

CONSTRUCTION AUTHORIZATION ISSUANCE DATE: 7/7/2015

CONSTRUCTION AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NUMBER 30005743, 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. A PRE-CONSTRUCTION MEETING MUST BE SECURED PRIOR TO INSTALLATION OF THE SEPTIC TANK SYSTEM. THE INSTALLER OF THE SYSTEM SHALL BE A LICENSED SEPTIC TANK CONTRACTOR WITH THE NORTH CAROLINA ONSITE WASTEWATER CONTRACTOR INSPECTOR CERTIFICATION BOARD.

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 CONSTRUCTION AUTHORIZATION AND ASSOCIATED PERMIT(S) TO REVOCATION.

4. THIS CONSTRUCTION AUTHORIZATION AS PROVIDED IN G.S. 130A-335(f) AND G.S. 130A-336(b) SHALL BE VALID FOR A PERIOD EQUAL TO THE VALIDITY OF THE IMPROVEMENT PERMIT, NOT TO EXCEED 60 MONTHS.

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	12/04/14	**Amount:**	200.00
Receipt #:	91853	**Tendered:**	200.00
Check / Auth #:	CHECK 5424	**Returned:**	0.00
Received By:	SADERLW		

Account Information

Account #: 200000
Contractor: TRUE HOMES
Attn:
Address: 2649 BREKONRIDGE CENTRE DR
Address:
City/State/Zip: MONROE, NC 28110

Item	Description	Permit#	Quantity	Unit Price	Total Price
0734	Septic Construction Authorization 10834 HADRIANS WALK CT		1	200.00	200.00

Outstanding Balances

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

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date: 08/09/12
Receipt #: 79174
Check / Auth #: CHECK 2707
Received By: SADERLW

Amount: 250.00
Tendered: 250.00
Returned: 0.00

Account Information

Account #: 200000
Contractor: TRUE HOMES
Attn:
Address:
Address:
City/State/Zip: ,

Item	Description	Permit#	Quantity	Unit Price	Total Price
0701	Improvment Permit App-Residen 10834 HADRIANS WALK CT		1	250.00	250.00

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
10.00					

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	12/04/14	**Amount:**	200.00
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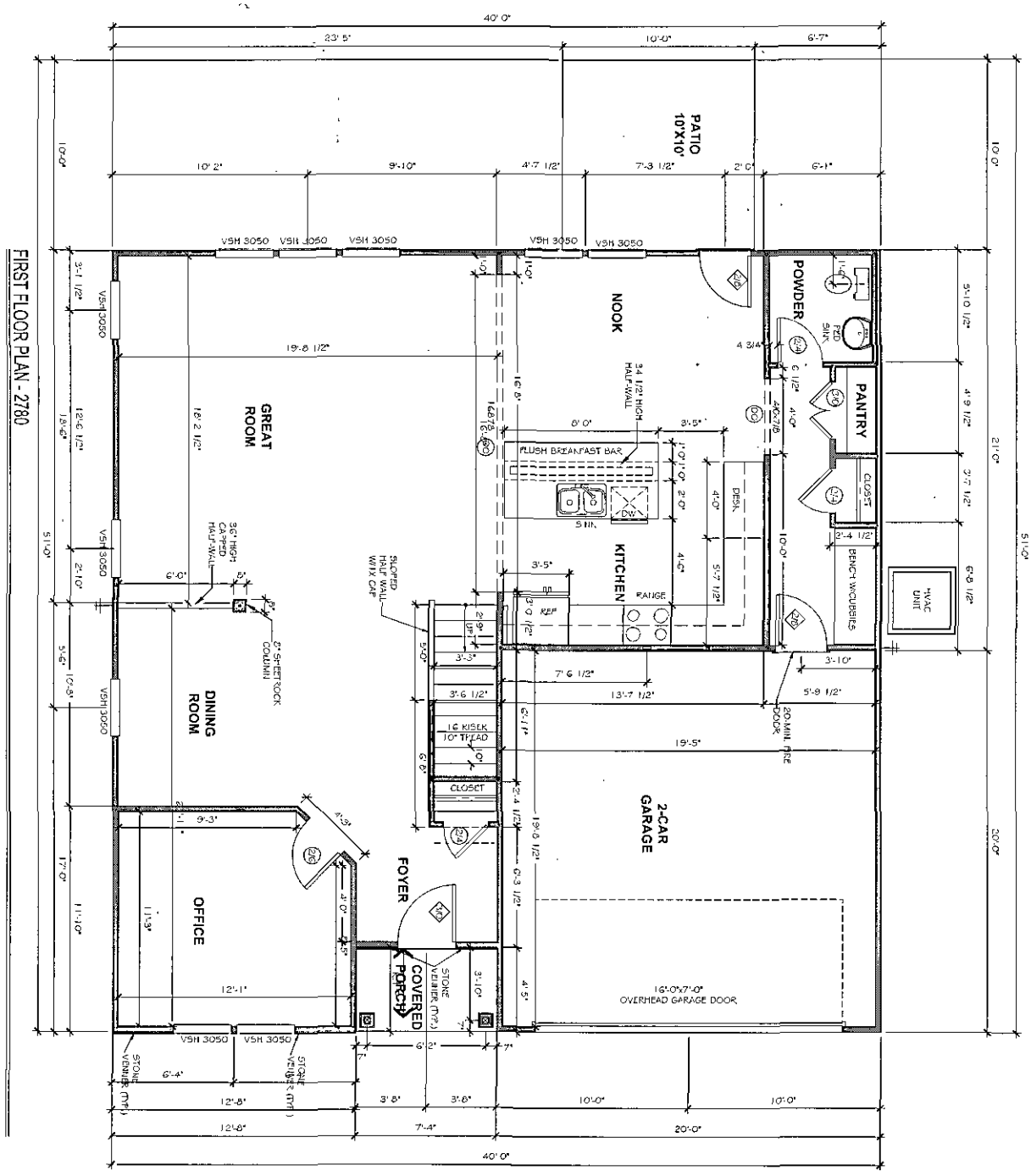
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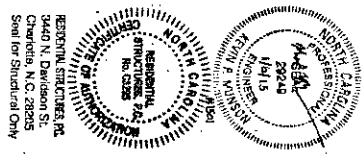
Account #: 200000
Contractor: TRUE HOMES
Attn:
Address: 2649 BREKONRIDGE CENTRE DR
Address:
City/State/Zip: MONROE, NC 28110

Item	Description	Permit#	Quantity	Unit Price	Total Price
0703	Septic Operational Permit 10834 HADRIANS WALK CT		1	200.00	200.00

----------Outstanding Balances----------

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





SHEET:	A2
DRAWN BY:	S.T.
DATE:	11/12/14
SCALE	3/16"=1'-0"
CHECKED BY:	SDS

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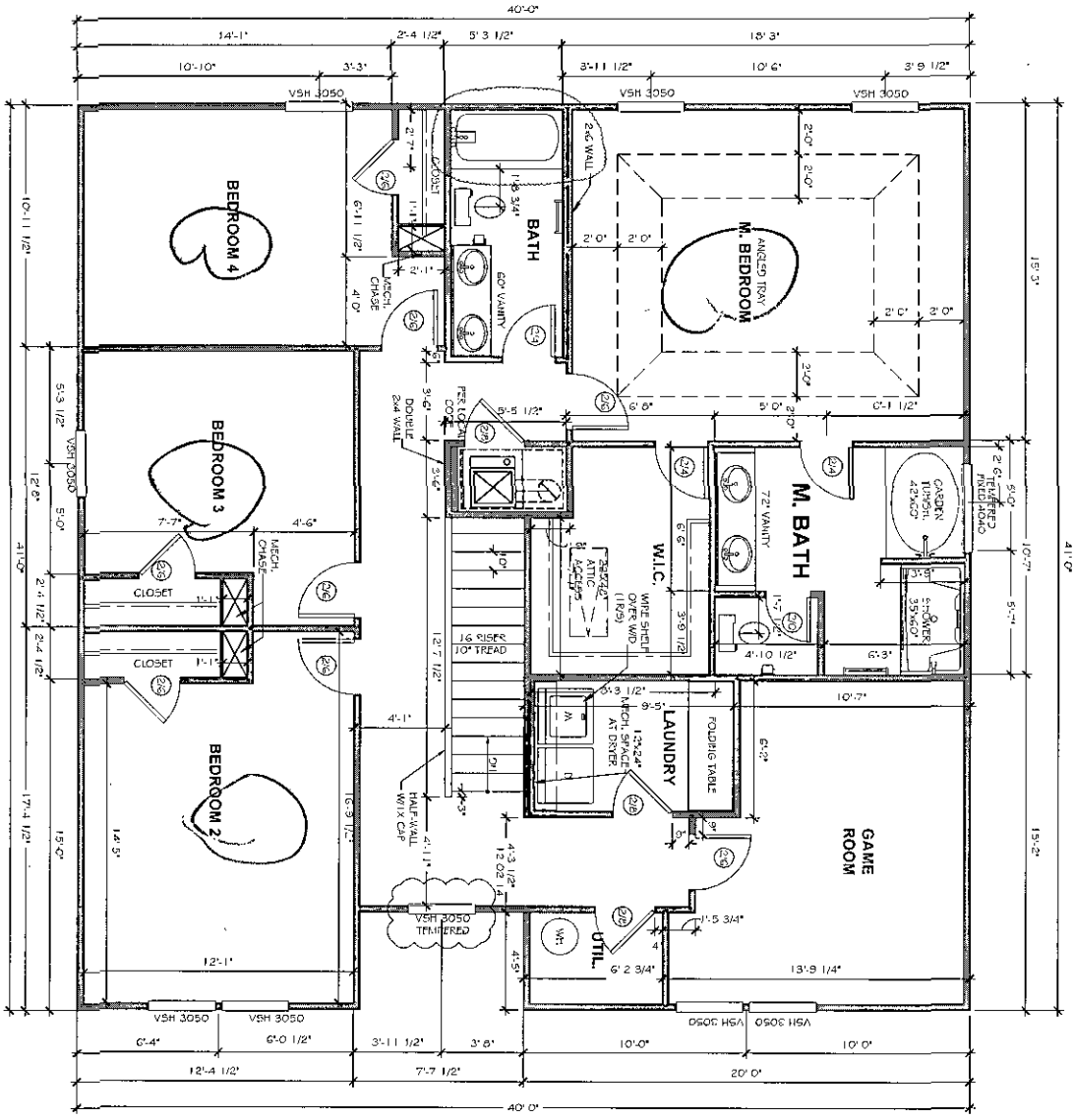
FIRST FLOOR PLAN

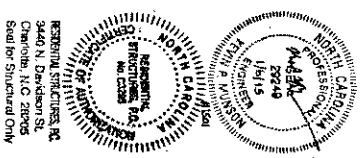
2780 KIPLING

SHERWOOD FOREST LOT # 41

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WE VALUE WHAT YOU VALUE
2649 Brekon Ridge Centre Dr.
Suite 104
Monroe, N.C. 28110
704-226-9486

OPT. SECOND FLOOR PLAN 1 - 2800





RESIDENTIAL STRUCTURES, PC
3440 N. Davidson St.
Charlotte, N.C. 28205
Seal for Structural Only

SHEET	DRAWN BY:	S.T.
A2.1	DATE:	1/15/2014
	SCALE:	3/16"= 1'-0"
	CHECKED BY:	SDS

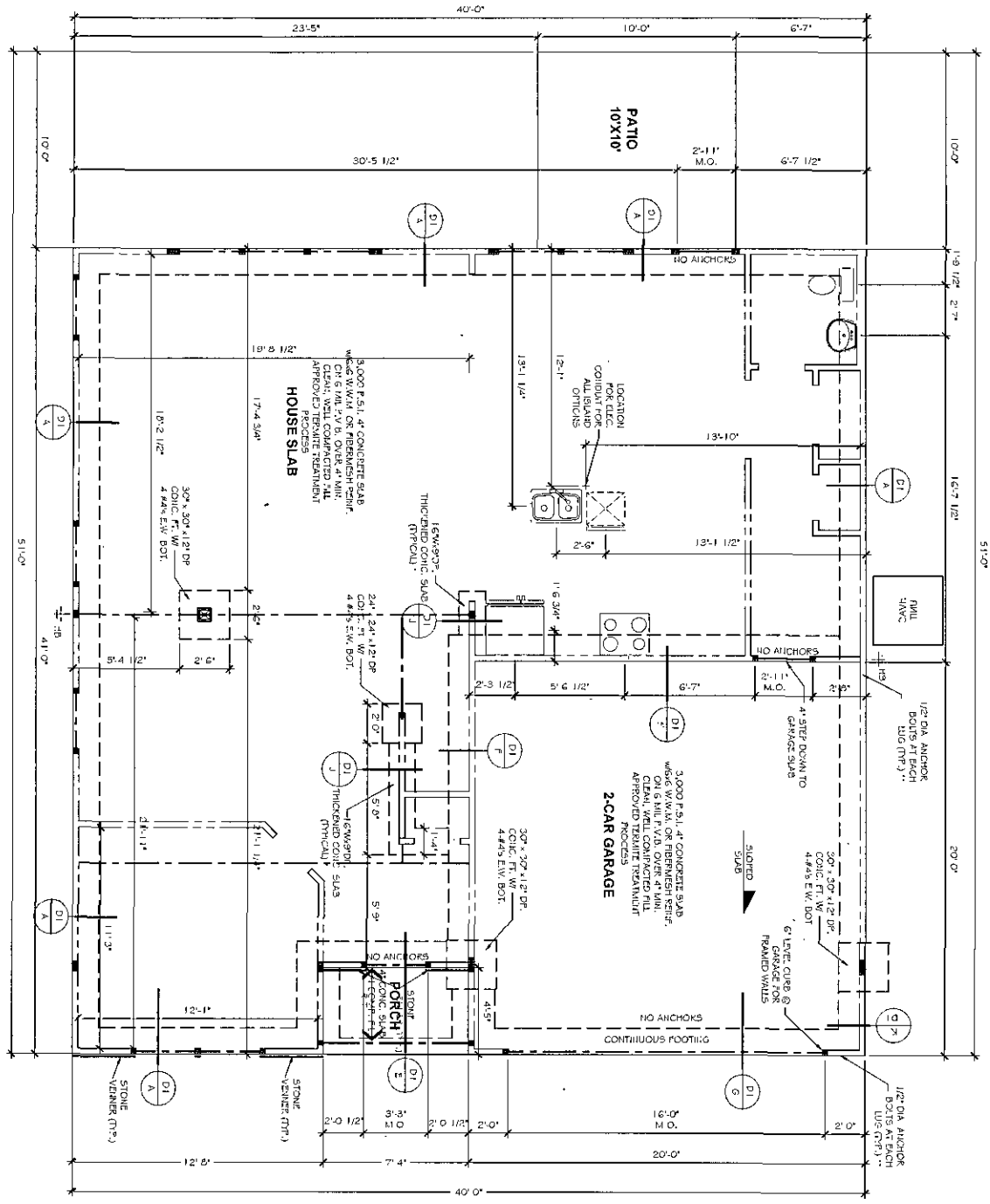
SECOND FLOOR PLAN

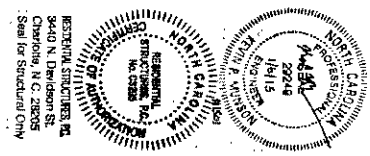
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SHERWOOD FOREST
LOT # 41

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Monroe, N.C. 28110
704-226-9486

MONO FOUNDATION PLAN - 2780





SHEET:	A1
DRAWN BY:	S.T
DATE:	11/12/14
SCALE:	3/16"= 1'-0"
CHECKED BY:	SDS

MONO FOUNDATION PLAN

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