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 #: 85703 Permit #: 5754 Tax Parcel #: 139-276-38

Property Owner: True Homes

Job Location Address: 10940 Flintshire Dr Lot 22

City: Mint Hill State: NC Zip Code:

Operation Permit Issuance Date: 4/4/14 Contractor Name: Chris Stevens

Permitted Design Flow: 480 GPD

Liquid Capacity of Septic Tank: 1500 gallons

Liquid Capacity of Dosing Tank: 1000 gallons

Effluent Pump Model: Liberty 280 1/2hp

Drainfield Installation ☐ N/A

Trench Depth: 19" inches

Trench Width: 3 feet

Line Spacing: 9' feet (O.C.)

Total line length: 480 feet

# of Lines: 4 @ various feet

Depth of Media: 12"+ inches (Type) IIIb

Depth of Cover: 12"+ inches

Distribution Device: Pressure Manifold

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: 7' feet

Distance from Property Line: 10'+ feet

Distance from Water Supply Source: 100' feet

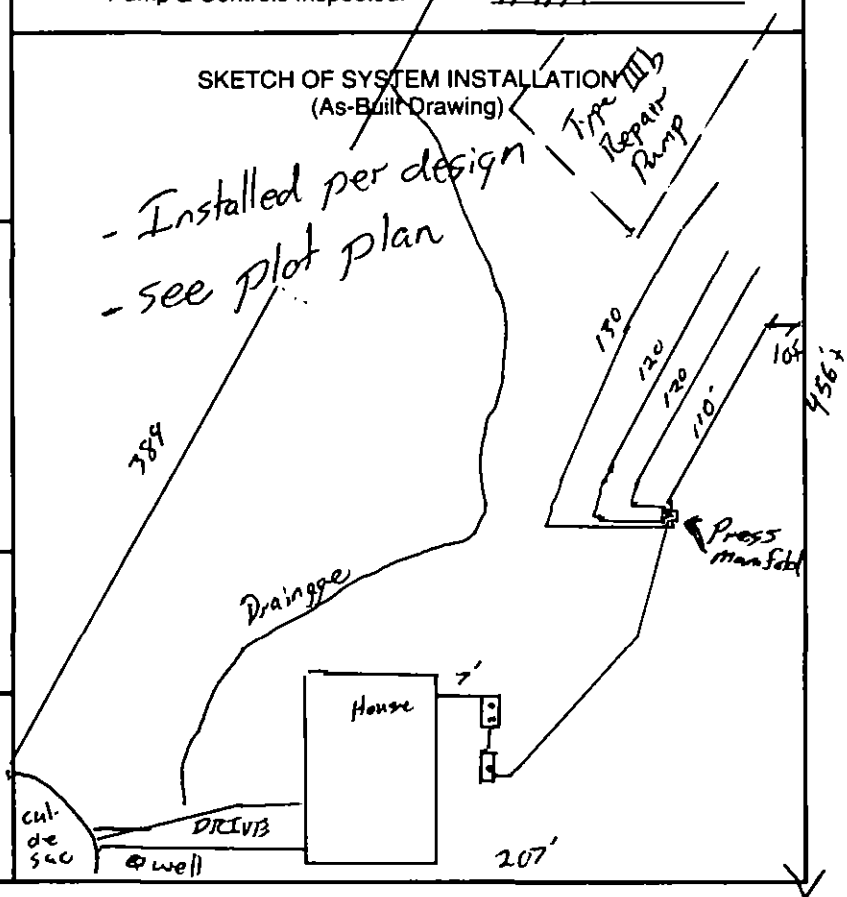
Inspection Dates

Tank(s) Inspected: 4/4/14 STB 338 2/11/14 PT 27 2/24/14

Excavation Inspected: 4/4/14

Pump & Controls Inspected: 4/4/14

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: IIIb 130A36 Hc / P / NA / NA

Draw down: 4.75' @ 3 min 33 gal/min

DENR Authorized Agent: Bradley W. Hallman Signature:

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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 #: 8570B Permit #: 57541 Tax Parcel #: 139-206-38

Property Owner: True Homes

Job Location Address: 10940 Flintshire Dr

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: 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:

_____

_____

_____

_____

DENR Authorized Agent: Bradley W. Hallman Date: 4/4/14

Signature: _____

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NC DENR
Division of Environmental Health
On-Site Wastewater Section

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

File #: 95703 Permit #: 5754 Tax Parcel #: 139-276-38

Property Owner: True Homes

Job Location Address: 10940 Flintshire Rd

City: Mint Hill State: NC Zip Code: _____

Installation Approval Issuance Date: 3/17/14

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 _____, 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: 480 GPD

Site LTAR: 0.25 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: 19 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 480 feet

# of Lines: 4 @ various feet length

Depth of Media: 12" inches (Type) IIIb 25%

Distribution Device: Press Manifold

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' min feet

Distance from Property Line: 10' min feet

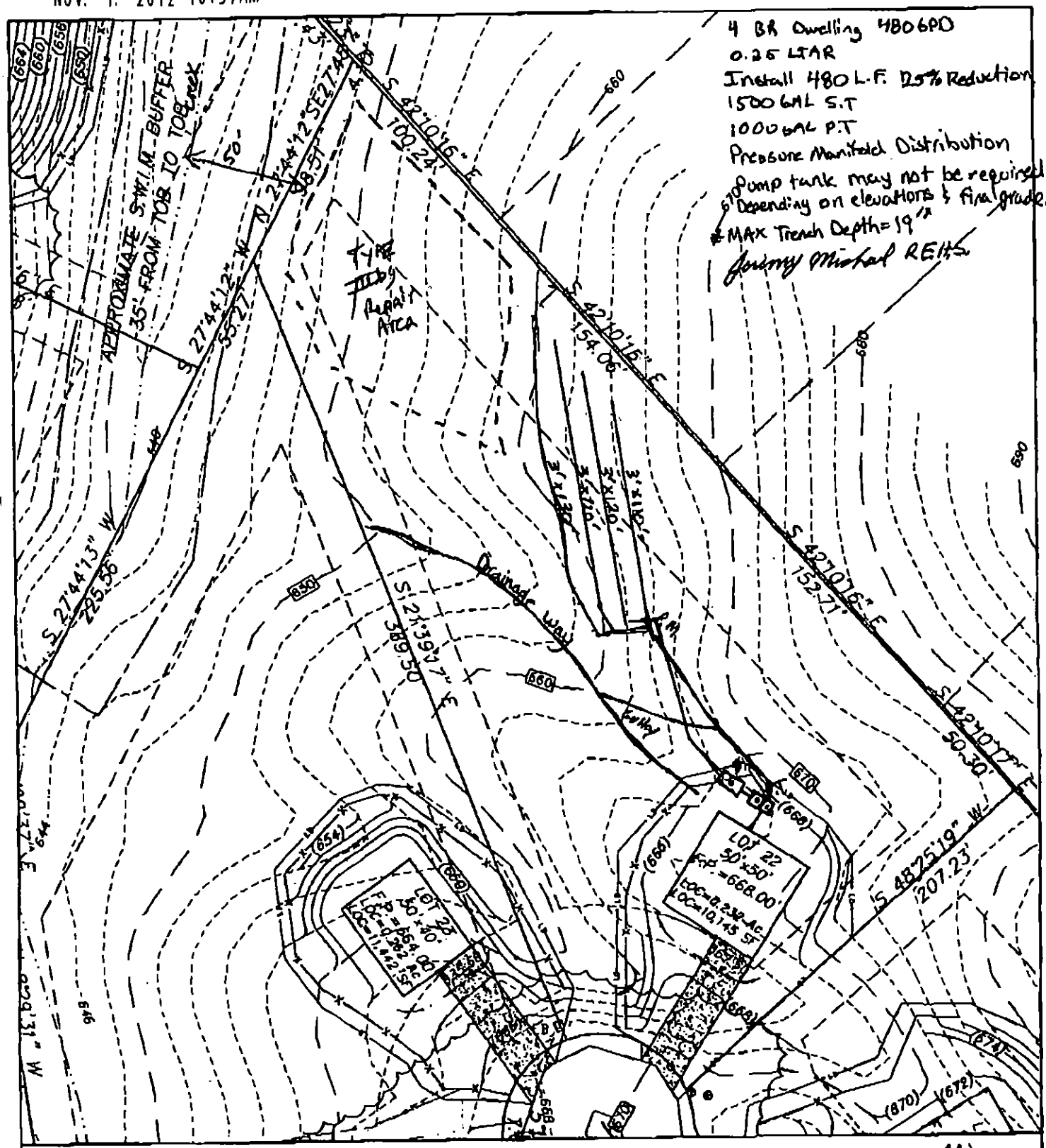
Distance from Water Supply Source: 50' min feet

SKETCH OF SYSTEM LAYOUT
(Proposed Layout)

- see attach drawing
- Do not alter installation without prior approval from MCHD
- 4 lines (1) 110' (2) 120' (1) 130'
- 3'ft width
- 19" Max trench Depth

Comments: System Classification & Type: IIIa

DENR Authorized Agent: Bradley W. Hallman Signature: _____



LOT GRADING PLAN
LOT 22
SHERWOOD FOREST SUBDIVISION
MINT HILL, NORTH CAROLINA
CAROLINA DEVELOPMENT SOLUTIONS, LLC
1932 CLARK ELLIOT STREET
FORT MILL, SOUTH CAROLINA 29708
SCALE 1"=60'

GRAPHIC SCALE
60 30 0 60

summit
land services
P.O. BOX 2442
CHARLOTTE, NC 28241
OFFICE: 704-506-0554
FAX: 704-504-5125
WWW.SUMMIT-COMPANIES.COM

FEE: 200.00
DATE: 3/21/2014

CONSTRUCTION AUTHORIZATION FOR AN ON-SITE WASTEWATER TREATMENT & DISPOSAL SYSTEM

MECKLENBURG COUNTY
GROUNDWATER & WASTEWATER SERVICES

FILE NUMBER: 8570B

PERMIT NUMBER: 30005754

PARCEL NUMBER: 13927638

JOB LOCATION INFORMATION

ADDRESS: 10940 FLINTSHIRE RD

CITY: CHARLOTTE **STATE: NC** **ZIP:** 28227

ISSUED TO: True Homes

CONSTRUCTION AUTHORIZATION ISSUANCE DATE: 10/30/2012

CONSTRUCTION AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NUMBER 30005754, AND THE ATTACHED SITE PLAN WITH SYSTEM DETAILS. CONSTRUCTION AND INSTALLATION MUST ALSO MEET ALL REQUIREMENTS SET FORTH IN THE RULES GOVERNING SANITARY SEWAGE COLLECTION, TREATMENT, AND DISPOSAL AND ANY OTHER APPLICABLE RULES AND LAWS.

2. AN INSTALLATION APPROVAL MUST BE SECURED PRIOR TO INSTALLATION OF THE SEPTIC TANK SYSTEM. THE INSTALLER OF THE SYSTEM SHALL BE A REGISTERED SEPTIC TANK CONTRACTOR WITH THE MECKLENBURG COUNTY HEALTH DEPARTMENT.

3. ANY ALTERATION IN SITE OR SOIL CONDITIONS (INCLUDING LOCATION OF STRUCTURES AND APPURTENANCES) OR MODIFICATION IN USE, DESIGN WASTEWATER FLOW, OR WASTEWATER CHARACTERISTICS AS SPECIFIED IN THE ASSOCIATED IMPROVEMENT PERMIT AND APPLICATION, MAY SUBJECT THIS 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.
   *CONSTRUCTION AUTHORIZATION EXPIRATION DATE: 10/30/2017

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St, Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-5894

NC DENR
Division of Environmental Health
On-Site Wastewater Section

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

Permit #: 30005764 GWS File #: 8570B Tax Parcel #: 139-276-38

- 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):** 10/30/2017

Type of Installation: Residential - New System Lot Number: 22

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

Building Foundation: Concrete Slab Water Supply: Private Well

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

Initial System Specifications:

Design Flow (gpd): 480 LTAR (gpd/ft^2): 0.25 Septic Tank Size (gal): 1500 Pump Tank Size (gal): 1000

Trench Width (ft): 3 Trench Spacing (ft): 6 Absorption Area (ft^2): 1440 Total Trench Length (ft): 480

Maximum Trench Depth (ft): 19 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): 480 LTAR (gpd/ft^2): 0.25 Septic Tank Size (gal): 1500 Pump Tank Size (gal): 1000

Trench Width (ft): 3 Trench Spacing (ft): 6 Absorption Area (ft^2): 1620 Total Trench Length (ft): 540

Maximum Trench Depth (ft): 23 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: Jeremy Michael Owner/Legal Agent: Michelle Sturdivant
Print Name

Signature: Jeremy Michael REHS Signature: Michelle Sturdivant

Date Issued: 10/30/2012

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 #: 30005754 GWS File #: 8570B

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 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.
- Flow from all gutters and downspouts shall be directed not to discharge water onto or across any part of the septic system.

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.

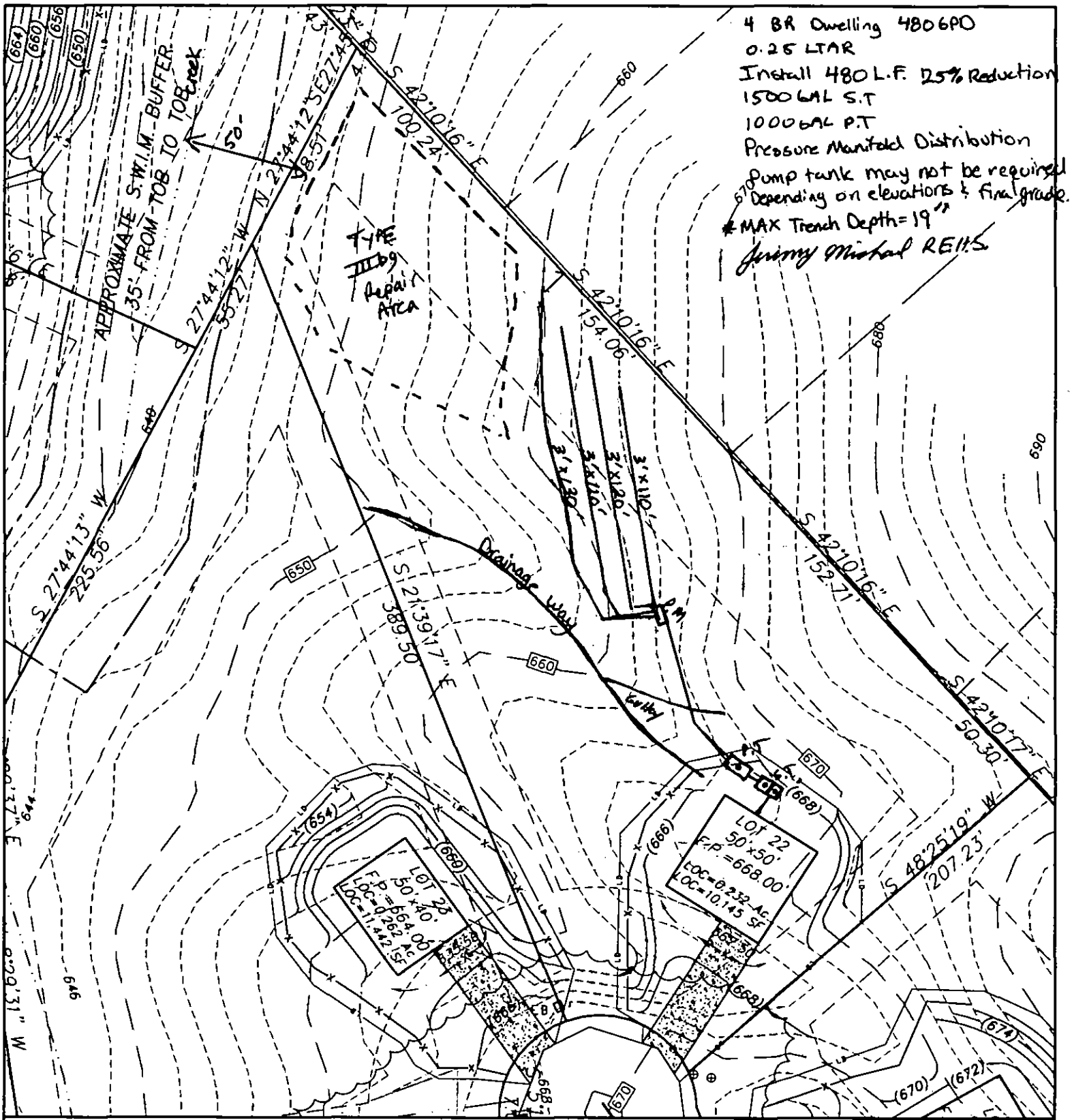
DENR Authorized Agent: Jeremy Michael

Signature: Jeremy Michael REHS

Date Issued: 10/30/2012

Owner/Legal Agent: Michelle Sturdivant
Print Name

Signature: Michelle Sturdivant



LOT GRADING PLAN
LOT 22
SHERWOOD FOREST SUBDIVISION
MINT HILL, NORTH CAROLINA
CAROLINA DEVELOPMENT SOLUTIONS, LLC
1932 CLARK ELLIOT STREET
FORT MILL, SOUTH CAROLINA 29708
SCALE 1"=60'

GRAPHIC SCALE
60 30 0 60

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

8570B

MECKLENBURG COUNTY HEALTH DEPARTMENT App. #5754

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: 13927638
STREET ADDRESS: 10940 FLINTSHIRE ROAD
CITY: Charlotte
STATE: NC ZIP: 28227
SUBDIVISION NAME: Sherwood Forest
LOT #: 22 LOT SIZE (acres): 1.691
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

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.

_____ 09 AUG 2012

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

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

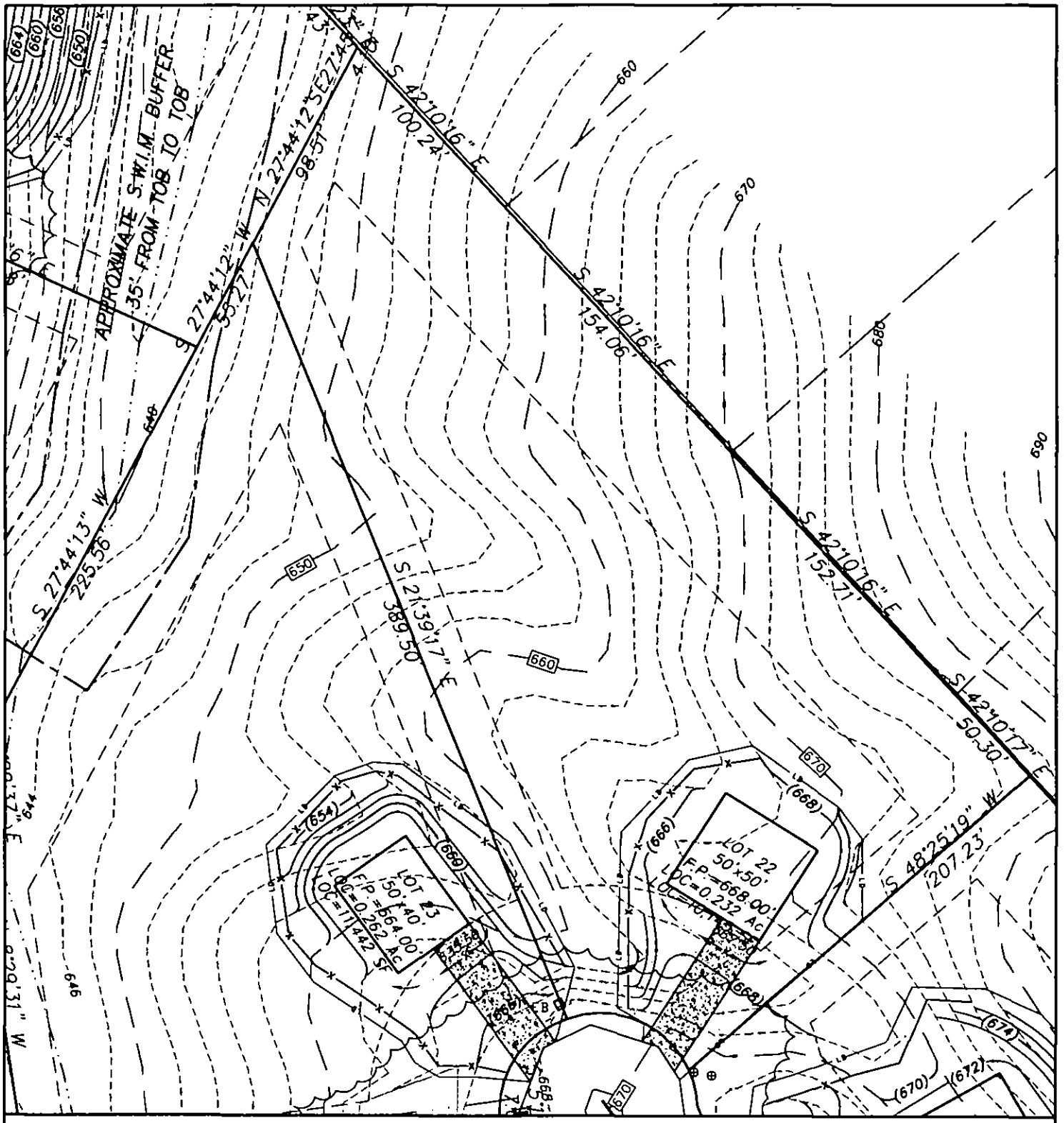
APPLICATION PROCESSED BY: dwo

GWS FILE NUMBER ASSIGNED: 8570B

APPLICATION ID NUMBER ASSIGNED: 5754

COMMENTS:

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



LOT GRADING PLAN
LOT 22
SHERWOOD FOREST SUBDIVISION
MINT HILL, NORTH CAROLINA
CAROLINA DEVELOPMENT SOLUTIONS, LLC
1932 CLARK ELLIOT STREET
FORT MILL, SOUTH CAROLINA 29708
SCALE 1"=60'

GRAPHIC SCALE
60 30 0 60

summit
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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: 13927638
Lot #: 22
File #: 8570B
AppID: 5754

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: True Homes
Applicant: True Homes
Address: 2649 Brekonridge Centre Dr, Monroe, NC 28110
Date Evaluated: 10/3/2012
Proposed Facility: Residence
Design Flow (.1949): 480 GPD
Property Size: 1.691
Location of Site: 10940 Flintshire Road Charlotte, NC 28227
Property Recorded:
Water Supply: [ ] Public [ ] Individual [X] Well [ ] Spring [ ] Other
Evaluation Method: [ ] Auger Boring [X] Pit [ ] Cut
Type of Wastewater: [X] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .1941 .1941 Structure/ Texture	.1941 Consistence Mineralogy	b PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
Pit 1	LS	0-3	wfg L	ss sp fr sexp	2.5 YR 7/2	44"	NA	PS	US
	4%	3-15	wfsbk CL	ss sp fi sexp	@19"				
		15-44	wfabk C	s p fi sexp					
Pit 2	LS	0-5	wfg L	ss sp fr sexp	2.5 YR 7/2	45"	NA	PS	PS IV
	9%	5-29	mmsbk C	ss sp fi sexp	@33"				0.25
		29-45	wfsbk CL	ss sp fr sexp					
Pit 3	LS	0-5	wfsbk L	ss sp fr sexp	>45"	45"	NA	PS	PS IV
	12%	5-30	mmsbk C	ss sp fi sexp					0.275
		30-45	wfsbk CL	ss sp fr sexp					
Pit 4	LS	0-5	wfsbk L	ss sp fr sexp	>40"	40"	NA	PS	PS IV
	13%	5-19	mfsbk CL	ss sp fr sexp					0.275
		19-31	mmsbk C	s p fi sexp					
		31-40	wfsbk CL	ss sp fr sexp					
Pit 5	LS	0-3	wfg L	ss sp fr sexp	2.5 YR 7/2	45	NA	PS	PS IV
	8%	3-28	mmsbk C	ss sp fr sexp	@34"				0.275
		28-45	wf abk C	s p fi sexp					
Pit 6	LS	0-4	wfg L	ss sp fr sexp	>50	50	NA	PS	PS IV
	6%	4-13	mfsbk C	ss sp fr sexp					0.275
		13-25	mmsbk C	s p fi sexp					
		25-50	wfsbk CL	ss sp fr sexp					

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

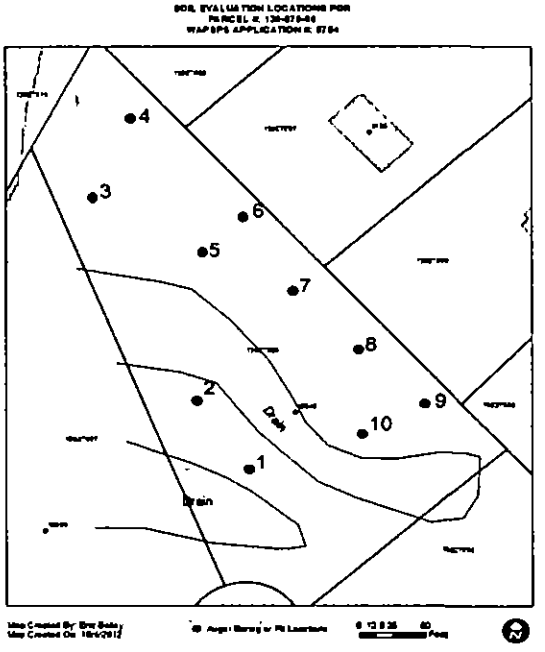
Other Factors (.1946):
Soil Evaluation By: Eric Bailey LSS Eric Bailey
Others Present: Jacob Presley LSS JP
Site Classification (.1948):
Site Evaluation By:
Others Present:

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		CL-Clay Loam		
FP-Flood Plain		SCL-Sandy Clay Loam		
D-Drainage Way		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



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

Sheet: 3 of 3
File #: 8570B

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
Pit 7	LS	0-4	wfg L	ss sp fr sexp	>51	51	NA	PS	PS IV
	6%	4-21	mmsbk C	ss sp fi sexp					0.275
		21-51	wfabk C	s p fi sexp	Gravely 22-30"				
Pit 8	LS	0-6	wfg L	ss sp fr sexp	>47	47	NA	PS	PS IV
	6%	6-34	mmsbk C	ss sp fi sexp					0.275
		34-47	wfsbk CL	ss sp fr sexp					
Pit 9	LS	0-5	wfg L	ss sp fr sexp	>48	36	PS	PS	PS IV
	9%	5-18	mmsbk C	ss sp fr sexp			Some		0.25
		18-36	wmabk CL	ss sp fi sexp			Cr		
		36-48	sls ma L	ss sp fr sexp			inclusions		
Pit 10	LS	0-3	wfg L	ss sp fr sexp	>25	25	US	PS	PS IV
	13%	3-25	mmsbk C	s p fi sexp					0.25
		25-45	sls ma L/Cr	ss sp fr sexp/Cr					

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

Sheet: 1 of 3
Property ID: 13927638
Lot #: 22
File #: 8570B
AppID: 5754

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: True Homes
Applicant: True Homes
Address: 2649 Brekonridge Centre Dr. Monroe, NC 28110
Date Evaluated: 10/3/2012
Proposed Facility: Residence Design Flow (.1949) 480 GPD
Property Size: 1.691
Location of Site: 10940 Flintshire Road Charlotte, NC 28227
Property Recorded:
Water Supply: [ ] Public [ ] Individual [X] Well [ ] Spring [ ] Other
Evaluation Method: [ ] Auger Boring [X] Pit [ ] Cut
Type of Wastewater: [X] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .1941 .1941 Structure/ Texture	.1941 Consistence Mineralogy	b PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
Pit 1	LS	0-3	wfg L	ss sp fr sexp	2.5 YR 7/2	44"	NA	PS	US
	4%	3-15	wfsbk CL	ss sp fi sexp	@19"				
		15-44	wfabk C	s p fi sexp					
Pit 2	LS	0-5	wfg L	ss sp fr sexp	2.5 YR 7/2	45"	NA	PS	PS IV
	9%	5-29	mmsbk C	ss sp fi sexp	@33"				0.25
		29-45	wfsbk CL	ss sp fr sexp					
Pit 3	LS	0-5	wfsbk L	ss sp fr sexp	>45"	45"	NA	PS	PS IV
	12%	5-30	mmsbk C	ss sp fi sexp					0.275
		30-45	wfsbk CL	ss sp fr sexp					
Pit 4	LS	0-5	wfsbk L	ss sp fr sexp	>40"	40"	NA	PS	PS IV
	13%	5-19	mfsbk CL	ss sp fr sexp					0.275
		19-31	mmsbk C	s p fi sexp					
		31-40	wfsbk CL	ss sp fr sexp					
Pit 5	LS	0-3	wfg L	ss sp fr sexp	2.5 YR 7/2	45	NA	PS	PS IV
	8%	3-28	mmsbk C	ss sp fr sexp	@34"				0.275
		28-45	wf abk C	s p fi sexp					
Pit 6	LS	0-4	wfg L	ss sp fr sexp	>50	50	NA	PS	PS IV
	6%	4-13	mfsbk C	ss sp fr sexp					0.275
		13-25	mmsbk C	s p fi sexp					
		25-50	wfsbk CL	ss sp fr sexp					

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

Other Factors (.1946):
Soil Evaluation By: Eric Bailey LSS
Others Present: Jacob Presley LSS
Site Classification (.1948): PS
Site Evaluation By: Jeremy Michael Jeremy Michael PREVS
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		CL-Clay Loam		
FP-Flood Plain		SCL-Sandy Clay Loam		
D-Drainage Way		SiL- (Silt Loam)		
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		SiC-Silty Clay		
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EFI-Extremely Firm	NP-Non-Plastic	
	SP-Slightly Plastic	
	P-Plastic	
	VP-Very Plastic	

Sketch of Soil Evaluation Locations

