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 #: 5885IB Permit #: 30006562 Tax Parcel #: 139-282-29

Property Owner: Truehomes

Job Location Address: 13014 Bagley Ln

City: Charlotte State: NC Zip Code: 28227

Operation Permit Issuance Date: 12/3/14 Contractor Name: Steven's Septic

Permitted Design Flow: 480 GPD

Liquid Capacity of Septic Tank: 1500 gallons

Liquid Capacity of Dosing Tank: 1000 gallons

Effluent Pump Model: Liberty 280 1/2 HP

Drainfield Installation ☐ N/A

Trench Depth: 36 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 400 feet

# of Lines: 6 @ Varying feet

Depth of Media: 12 inches (Type) BioA36 Chambers

Depth of Cover: 24 inches

Distribution Device: WaSHBOX

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: 10 feet

Dellinger STB 336-1500 10/5/14 Dellinger-1000 10/5/14

Inspection Dates

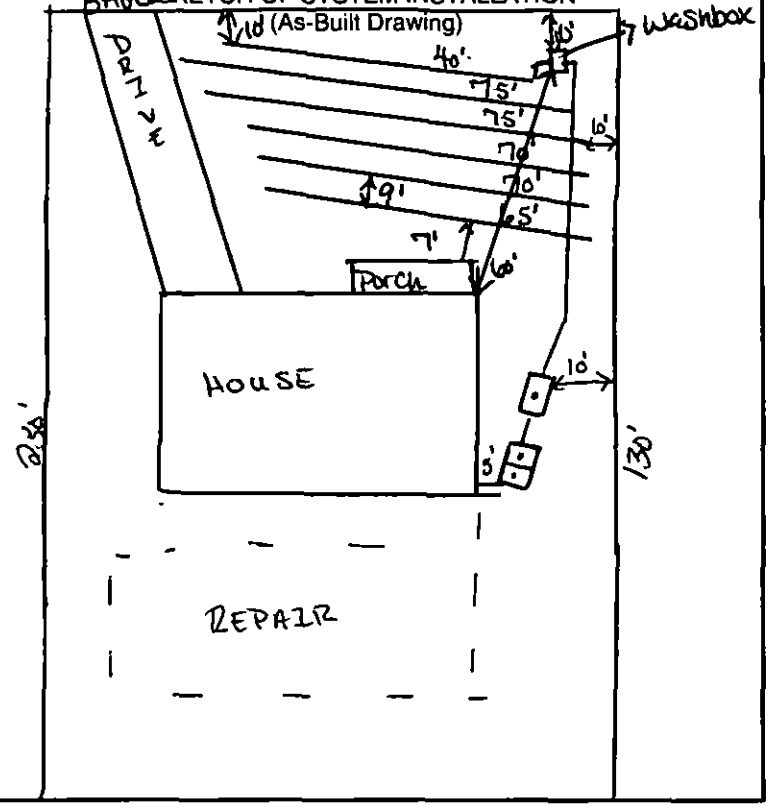
Tank(s) Inspected: 12/3/14

Excavation Inspected: 12/3/14

Pump & Controls Inspected: Liberty 280 1/2 HP 12/3/14

* NOT TO SCALE

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: BioA36/g/na/na

DENR Authorized Agent: Shelby Ledford Signature: Shelby Ledford

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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 #: 8851B Permit #: 30006562 Tax Parcel #: 139-282-29

Property Owner: True Homes

Job Location Address: 15014 Bagley Ln

City: Charlotte State: NC Zip Code: 28277

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: III bg

*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: Shelby Ledford Date: 12/3/14

Signature: Shelby Ledford

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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 #: 7851B Permit #: 3000608162 Tax Parcel #: 139-282-29

Property Owner: TAH Homes

Job Location Address: 13014 Bagley Ln (lot 6)

City: Charlotte State: NC Zip Code: 28227

Installation Approval Issuance Date: 12/1/2014

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: 0.3 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: 36 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 400 feet

# of Lines: 6 @ Varying feet

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

Distribution Device: Waste Box

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 _____

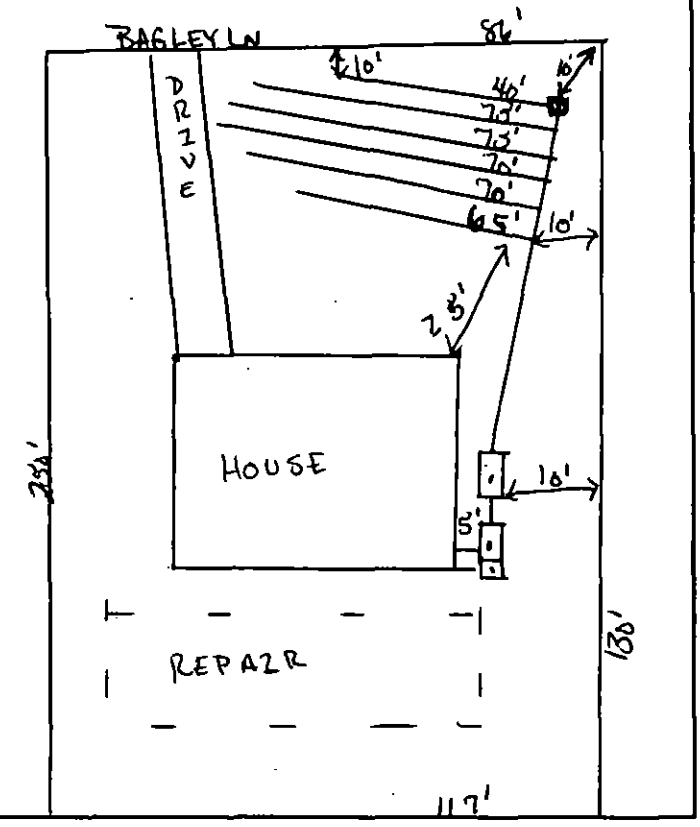
Minimum System Setbacks

Distance from Building Foundation: _____ feet

Distance from Property Line: _____ feet

Distance from Water Supply Source: _____ feet

SKETCH OF SYSTEM LAYOUT
(Proposed Layout)



Comments: System Classification & Type: III/g/na/na

DENR Authorized Agent: Shelby Ledford Signature: Shelby Ledford

FEE: 200.00
DATE: 6/16/2014

MECKLENBURG COUNTY
GROUNDWATER & WASTEWATER SERVICES

FILE NUMBER: 8851B

PERMIT NUMBER: 30006562

PARCEL NUMBER: 13928229

JOB LOCATION INFORMATION

ADDRESS: 15014 BAGLEY LN

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

ISSUED TO: True Homes

CONSTRUCTION AUTHORIZATION ISSUANCE DATE: 2/27/2014

CONSTRUCTION AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NUMBER 30006562, 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: 2/27/2019

Mecklenburg County Groundwater & Wastewater Services
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NC DENR
Division of Environmental Health
On-Site Wastewater Section

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

Permit #: 30006562 GWS File #: 8851B Tax Parcel #: 139-282-29

- 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):** 2/27/2019

Type of Installation: Residential - New System Lot Number: 5

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

Building Foundation: Concrete Slab Water Supply: Municipal

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

Initial System Specifications:

Design Flow (gpd):	480	LTAR (gpd/ft^2):	0.3	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	1000
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	1200	Total Trench Length (ft):	400
Maximum Trench Depth (in):	36	Depth of Media (in):	12	Distribution Device:	Pressure Manifold		

III. Repair System Type: PPBPS (pressurized) **System Classification:** IVa

Repair System Specifications:

Design Flow (gpd):	480	LTAR (gpd/ft^2):	0.3	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	1000
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	600	Total Trench Length (ft):	287
Maximum Trench Depth (in):	36	Depth of Media (in):	N/A	Distribution Device:	Manifold (LPP Distri		

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: Jackie Dracup
Print Name

Signature: Jeremy Michael Signature: Jackie Dracup

Date Issued: 2/27/2014

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

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

Permit #: 30006562 GWS File #: 8851B

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.
- This type of repair system requires the property owner to obtain a contract with a Certified Operator to perform routine inspections and maintenance on the system.
- All components of the septic system must be installed in accordance with the required setbacks listed on the corresponding plot plan.
- All waterlines must be located a minimum of 10 ft. from any part of the septic system.
- 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 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:

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- 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

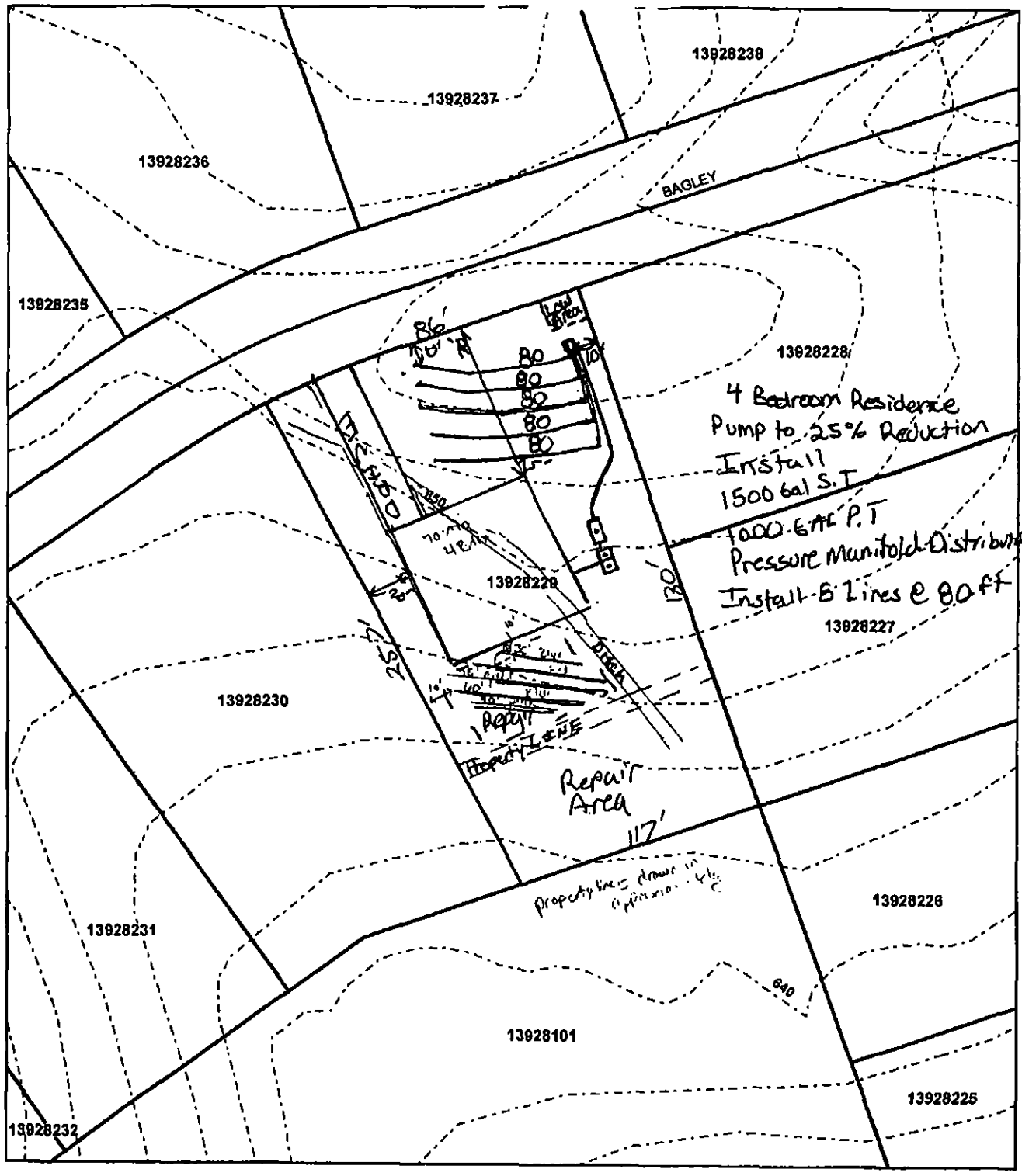
Date Issued: 2/27/2014

Owner/Legal Agent: Jackie Drawp
Print Name

Signature: Jackie Drawp

ile# 8851B

Parcel #139-282-29
AppID: 6562



Map Created By: Jeremy Michael
Map Created On: 02/17/2014

0 30 60 Feet

8851B

MECKLENBURG COUNTY HEALTH DEPARTMENT Cpo#6562

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:** 139-282-29

TAX PARCEL NUMBER: ~~13928101~~

STREET ADDRESS: 15014 BAGLEY LANE

CITY: Charlotte

STATE: NC ZIP: 28227

SUBDIVISION NAME: Oakbridge At Waterleaf

LOT #: 5 LOT SIZE (acres): 0.815

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: 4

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: 704-201-5117
FAX: _____
E-MAIL: _____

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

NAME: Max Thomason
ADDRESS: 4389 Indian Trail Fairview Rd
CITY: Indian Trail
STATE: NC ZIP: 28079
WORK PHONE: 704-628-6233
MOBILE PHONE: 704-201-5117
FAX: 704-289-5558
E-MAIL: mthomason@truehomesusa.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

Mecklenburg County Groundwater & Wastewater Services
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NC DENR
Division of Environmental Health
On-Site Wastewater Section

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

Permit #: **30006562** GWS File #: **8851B**

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.
- This type of repair system requires the property owner to obtain a contract with a Certified Operator to perform routine inspections and maintenance on the system.
- All components of the septic system must be installed in accordance with the required setbacks listed on the corresponding plot plan.
- All waterlines must be located a minimum of 10 ft. from any part of the septic system.
- 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 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.

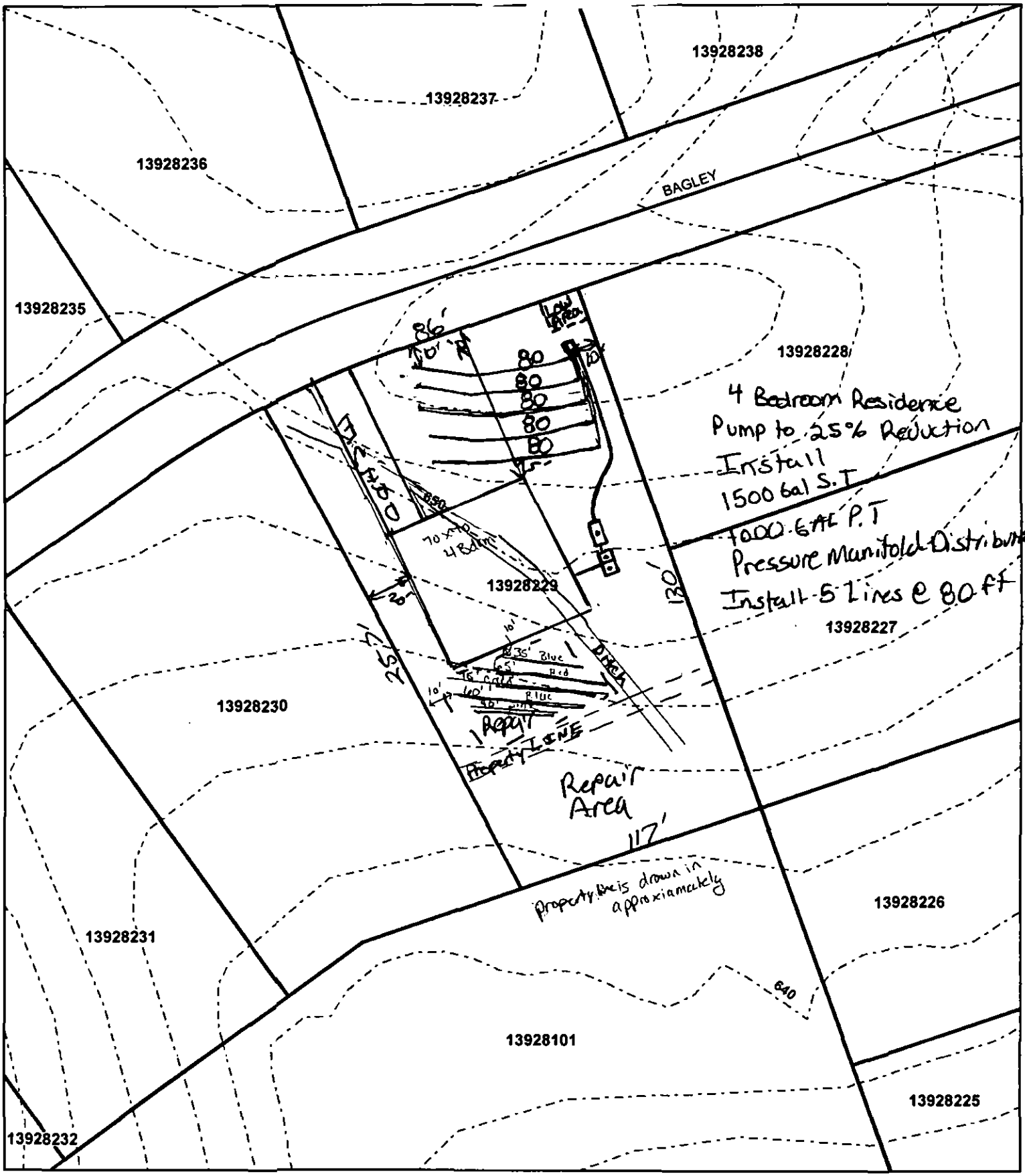
DENR Authorized Agent: Jeremy Michael Owner/Legal Agent:_____
Print Name

Signature: Jeremy Michael Signature:_____

Date Issued: 2/27/2014

File# 8851B

Parcel #139-282-29
AppID: 6562



Map Created By: Jeremy Mellard
Map Created On: 02/17/2014

0 30 60 Feet

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

Sheet: 1 of 2
Property ID: 139-262-29
Lot #: 5
File #: 8851B
AppID: 6562

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: True Homes
Applicant: Max Thomason
Address: 2649 Brekonridge Centre Dr., Monroe, NC 28110
Date Evaluated: 12/16/2013
Proposed Facility: 4BR House
Design Flow (.1949): *480 GPD*
Property Size: 0.815 ac
Location of Site: 15014 Bagley Ln, Charlotte, NC 28227
Property Recorded: Unknown
Water Supply: [X] Public [X] Individual [ ] 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	General Comments	Profile Class & LTAR	Maximum Trench Bottom Depth for 3' Wide Conventional Trench
Pit #1	LS 4%	0 - 6	gr L	FR SEXP	>52"	52	NA	NA	yellow brown mottles from 44 - 52"	PS IV 0.3	36"
		6 - 22	wfsbk CL	FR SEXP							
		22 - 52	mmsbk C	FI SEXP							
Pit #2	LS 3%	0 - 3	gr L	FR SEXP	>50"	50	NA	NA		PS IV 0.3	36"
		3 - 21	wfsbk CL	FR SEXP							
		21 - 50	mmsbk C	FI SEXP							
Pit #3	LS 3%	0 - 4	gr L	FR SEXP	>49"	49	NA	NA		PS IV 0.3	36"
		4 - 17	mfabk CL	FR SEXP							
		17 - 49	mmabk C	FI SEXP							
Pit #4	LS 3%	0 - 4	gr L	FR SEXP	>52"	52	NA	NA	saprolite inclusions from 32 - 52"	PS IV 0.3	36"
		4 - 11	mfsbk CL	FR SEXP							
		11 - 32	mmsbk C	FR SEXP							
		32 - 52	wfsbk CL	FR SEXP							

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	IIIb	Iva
Site LTAR (gpd/sq ft)	0.3	0.3

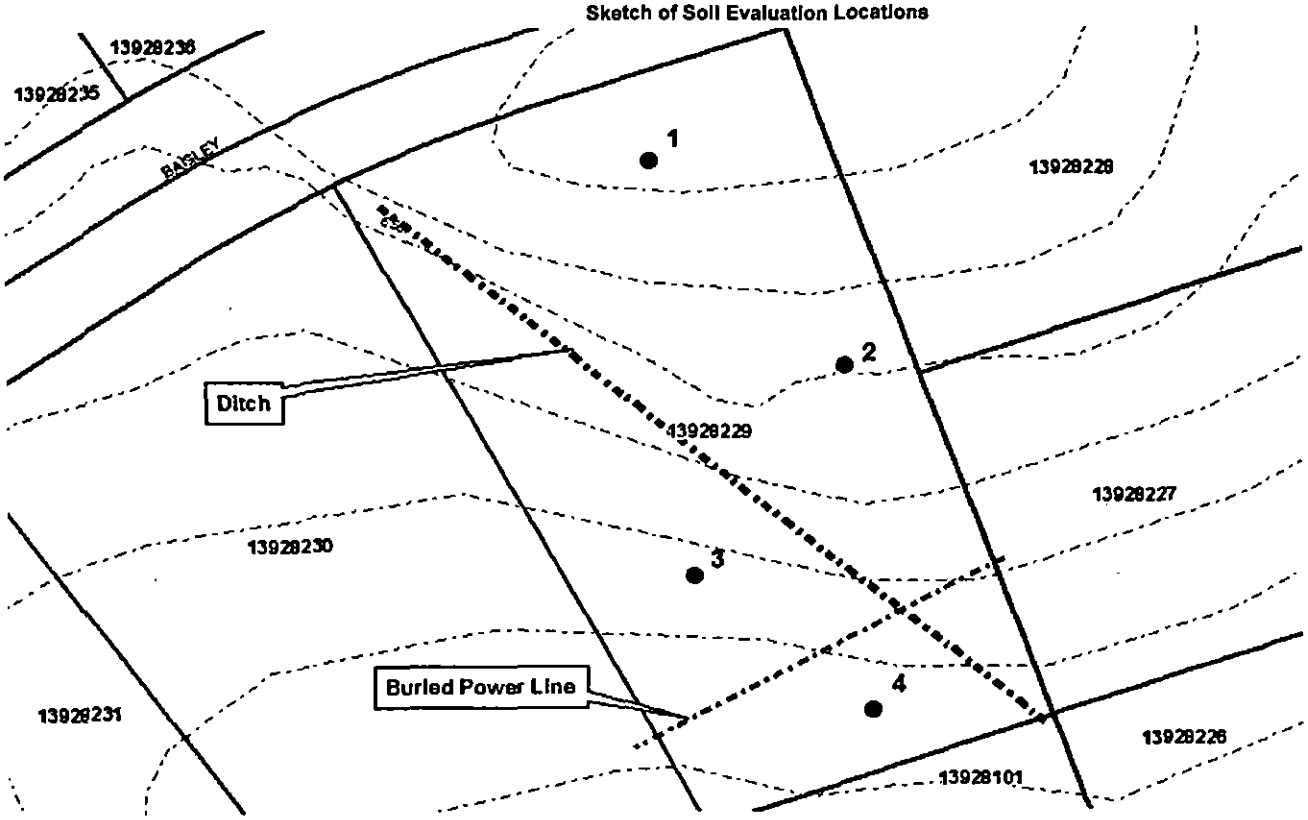
Other Factors (.1946):
Soil Evaluation By: Jacob Presley, LSS
Others Present:
Site Classification (.1948): PS
Site Evaluation By: Jeremy Michael
Others Present:

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		mass-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				Sap-Saprolite
FP-Flood Plain		CL-Clay Loam		**Structure Prefixes**
D-Drainage Way		SCL-Sandy Clay Loam		w-weak
				m-moderate
		SiL-Silt Loam		s-strong
				f-fine
	IV	SC-Sandy Clay	0.4 - 0.1	m-medium
		SiC-Silty Clay		c-coarse
		C-Clay		

Consistence Moist	Consistence Wet	Mineralogy
VFR-Very Friable	SS-Slightly Sticky	SEXP-Slightly Expansive
FR-Friable	S-Sticky	EXP-Expansive
FI-Firm	VS-Very Sticky	
VFI-Very Firm	NP-Non-Plastic	**Classification**
EFI-Extremely Firm	SP-Slightly Plastic	US-Unsuitable
	P-Plastic	PS-Provisionally Suitable
	VP-Very Plastic	S-Suitable
		NA-Not Applicable

Sketch of Soil Evaluation Locations



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

Sheet: 1 of 2
Property ID: 139-282-29
Lot #: 5
File #: 8851B
AppID: 6562

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: True Homes
Address: 2649 Brekonridge Centre Dr., Monroe, NC 28110
Proposed Facility: 4BR House
Design Flow (.1949): 480 GPD
Location of Site: 15014 Bagley Ln, Charlotte, NC 28227
Water Supply: [X] Public [X] Individual [ ] Well
Evaluation Method: [ ] Auger Boring [X] Pit
Type of Wastewater: [X] Sewage [ ] Industrial Process

Applicant: Max Thomason
Date Evaluated: 12/16/2013
Property Size: 0.815 ac
Property Recorded: Unknown
[ ] Spring [ ] Other
[ ] Cut
[ ] 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	General Comments	Profile Class & LTAR	Maximum Trench Bottom Depth for 3' Wide Conventional Trench
Pit	LS	0 - 6	gr L	FR SEXP						PS IV	
#1	4%	6 - 22	wfsbk CL	FR SEXP	>52"	52	NA	NA	yellow brown mottles	0.3	36"
		22 - 52	mmsbk C	FI SEXP					from 44 - 52"		
Pit	LS	0 - 3	gr L	FR SEXP						PS IV	
#2	3%	3 - 21	wfsbk CL	FR SEXP	>50"	50	NA	NA		0.3	36"
		21 - 50	mmsbk C	FI SEXP							
Pit	LS	0 - 4	gr L	FR SEXP						PS IV	
#3	3%	4 - 17	mfabk CL	FR SEXP	>49"	49	NA	NA		0.3	36"
		17 - 49	mmabk C	FI SEXP							
Pit	LS	0 - 4	gr L	FR SEXP						PS IV	
#4	3%	4 - 11	mfsbk CL	FR SEXP	>52"	52	NA	NA	saprolite inclusions	0.3	36"
		11 - 32	mmsbk C	FR SEXP					from 32 - 52"		
		32 - 52	wfsbk CL	FR SEXP							

Description	Initial System	Repair System
Available Space (.1945)		
System Type(s)		
Site LTAR (gpd/sq ft)	0.3	0.3

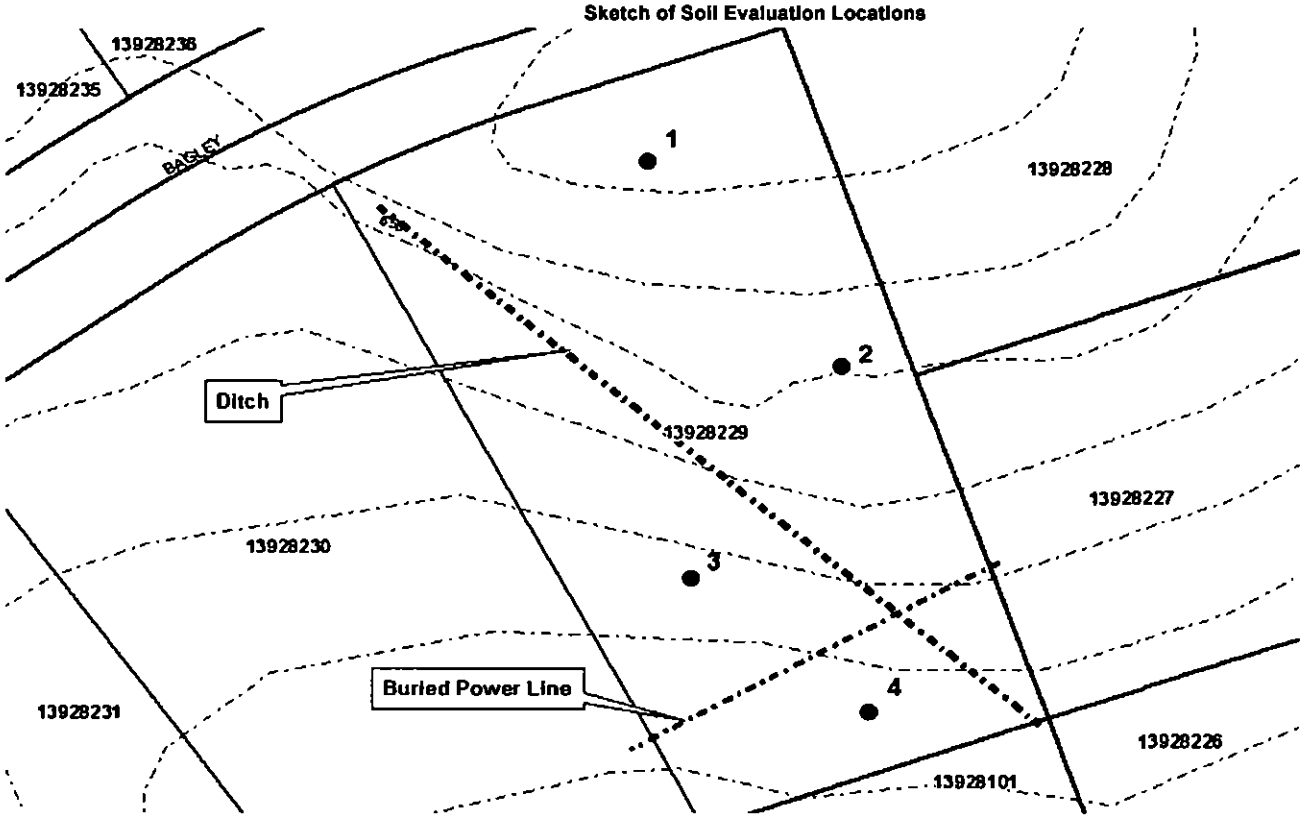
Other Factors (.1946):
Soil Evaluation By: Jacob Presley, LSS
Others Present:
Site Classification (.1948):
Site Evaluation By:
Others Present:

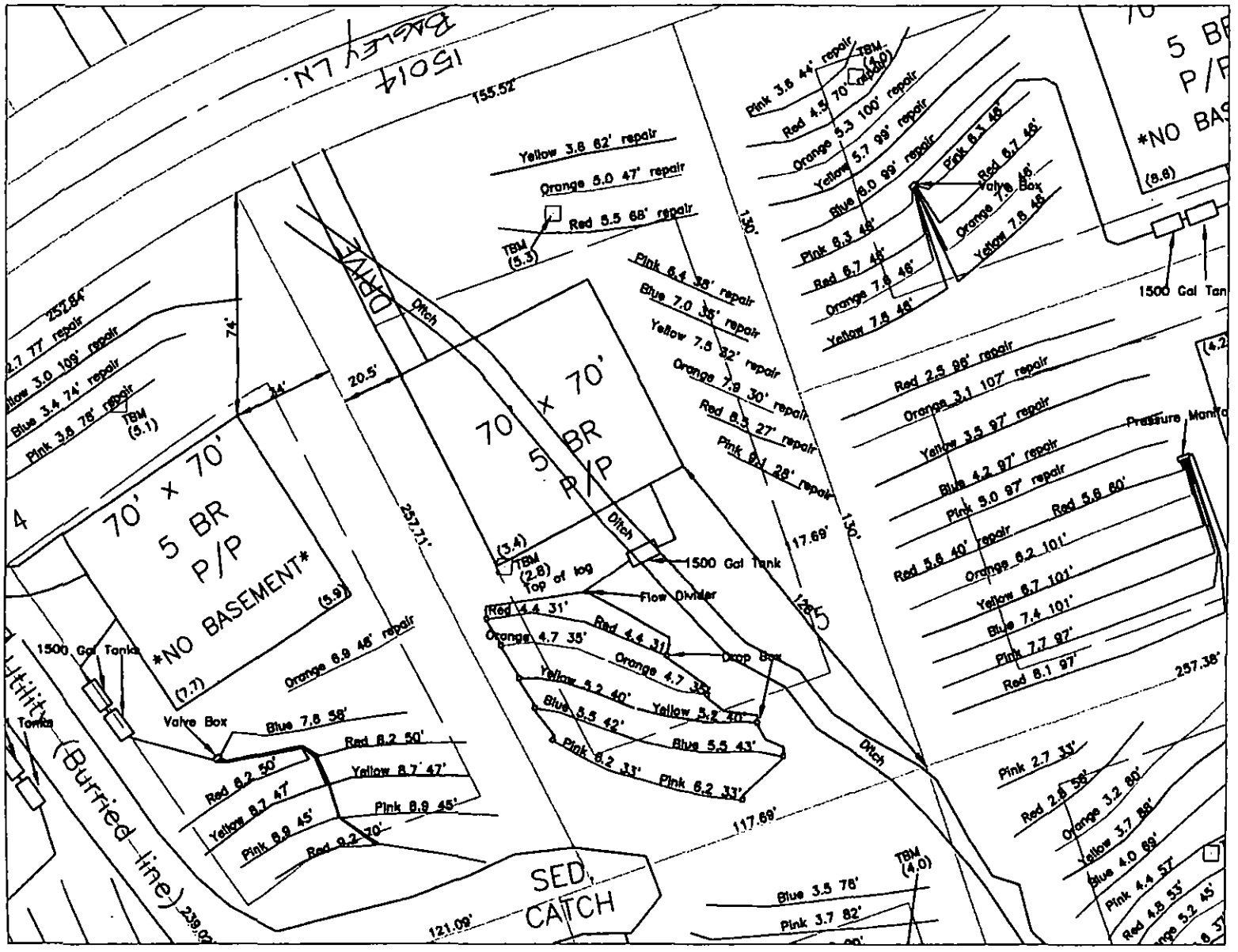
COMMENTS:

Landscape Position	Group	Texture	.1966 LTAR	Structure
R-Ridge	I	S-Sand	1.2 - 0.8	sg-Single Grain
SS-Shoulder Slope		LS-Loamy Sand		mass-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				Sap-Saprolite
FP-Flood Plain		CL-Clay Loam		**Structure Prefixes**
D-Drainage Way		SCL-Sandy Clay Loam		w-weak
				m-moderate
		SiL-Silt Loam		s-strong
				f-fine
	IV	SC-Sandy Clay	0.4 - 0.1	m-medium
		SiC-Silty Clay		c-coarse
		C-Clay		

Consistence Moist	Consistence Wet	Mineralogy
VFR-Very Friable	SS-Slightly Sticky	SEXP-Slightly Expansive
FR-Friable	S-Sticky	EXP-Expansive
FI-Firm	VS-Very Sticky	
VFI-Very Firm	NP-Non-Plastic	**Classification**
EFI-Extremely Firm	SP-Slightly Plastic	US-Unsuitable
	P-Plastic	PS-Provisionally Suitable
	VP-Very Plastic	S-Suitable
		NA-Not Applicable

Sketch of Soil Evaluation Locations





Not A Survey

GRAPHIC SCALE
1" = 50'
50 0 50 100

**SUITABLE FOR PRELIMINARY PLANNING PURPOSES ONLY. ALL LOTS WILL REQUIRE APPROVAL BY THE COUNTY HEALTH DEPARTMENT ON A LOT BY LOT BASIS. THIS MAP SHOULD BY USED AS A GENERAL GUIDE, SOME ADJUSTMENTS WILL BE NECESSARY IN THE FIELD DUE TO SOIL VARIABILITY AND TOPOGRAPHIC IRREGULARITIES.
THIS MAP ONLY REFLECTS EXISTING SOIL SUITABILITY FOR ON-SITE SEPTIC TANK SYSTEMS. SOME OTHER CONSIDERATIONS THAT AFFECT SITE SUITABILITY THAT SHOULD BE CONSIDERED IN DEVELOPMENT DESIGN ARE:

1) 10' SETBACK FROM PROPERTY LINE
2) 100' SETBACK FROM ANY WELL
3) 50' SETBACK FROM STREAMS, PONDS OR LAKES.

See accompanying SSED report.

PROJECT NO. 93-1993
PROJECT MGR. BP
DRAWN BY S.R.
FIELD WORK ENV WEST
SCALE 1" = 50
FILE T:\Jobs\1993

Soil & Environmental Consultants, PA
245 Laffalle Court, • Concord, North Carolina 28025 • Phone (704)720-8403 • Fax (704) 720-8408

S&EC

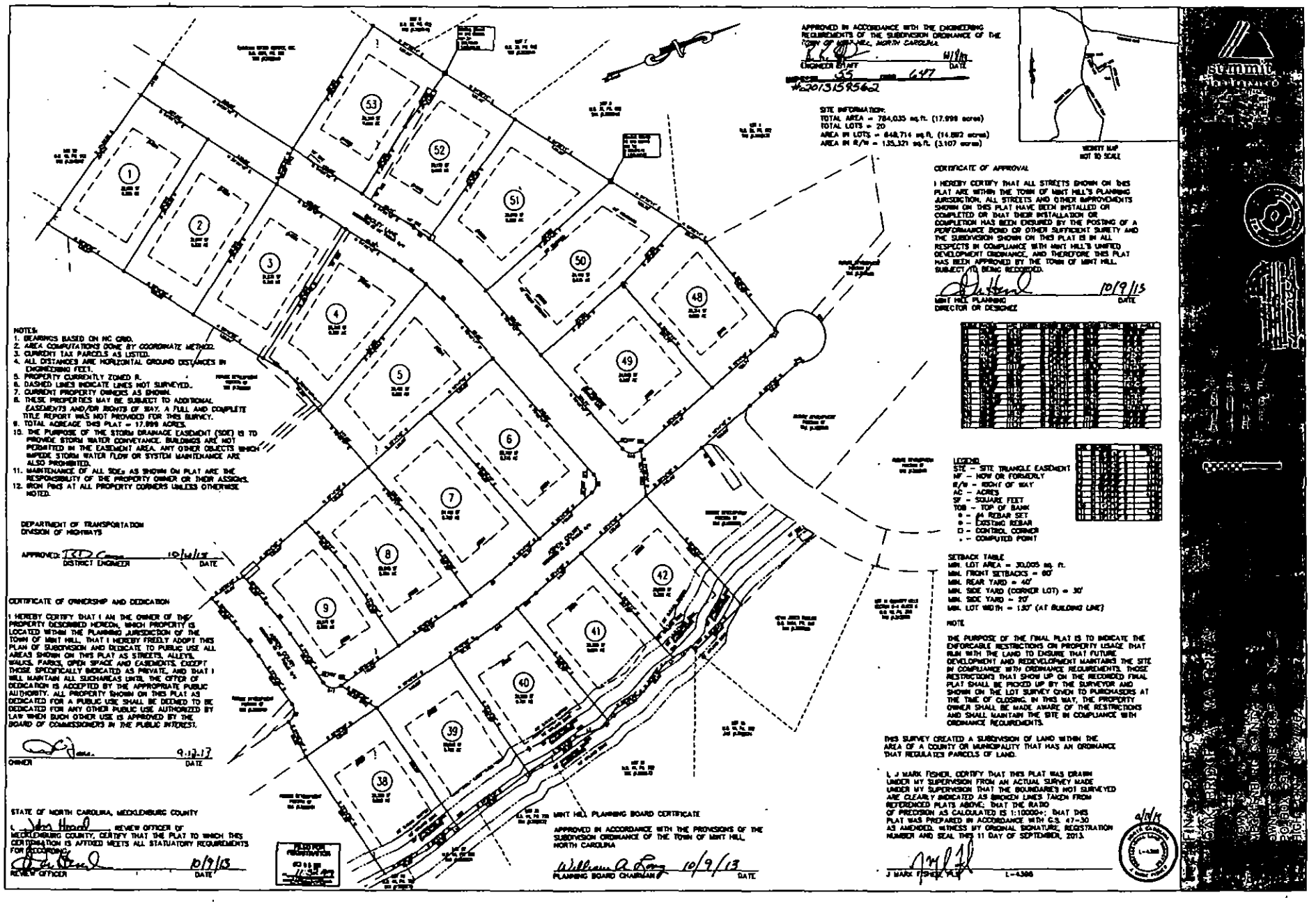
PROJECT NAME: Oakbridge
Green Group of North Carolina, LLC
- Oakbridge Lot 5 -
[illegible] county, north carolina
Sept 2003

OAKBRIDGE LOT 5

PRELIMINARY SITE PLAN
SKETCH MAP

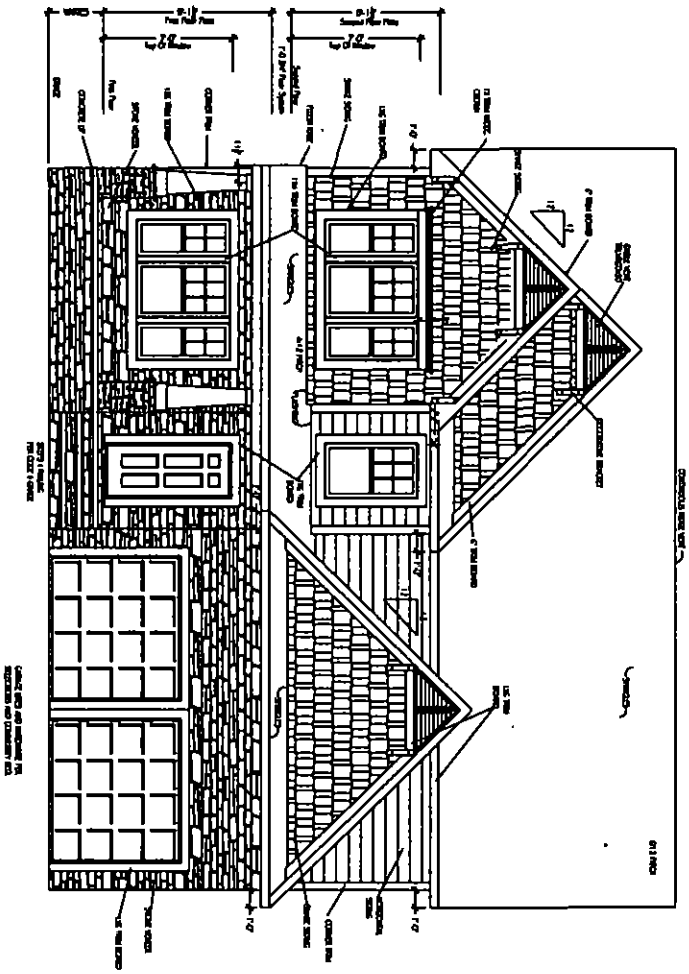
SHEET 1 of 1

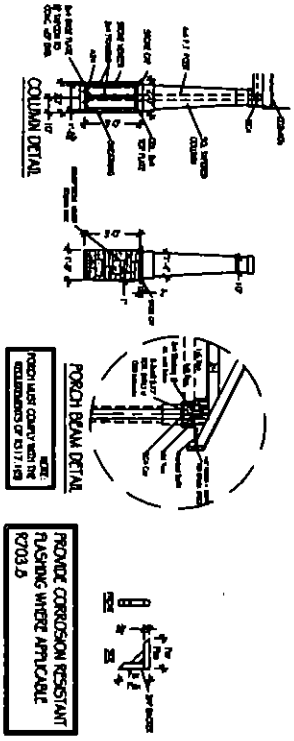
PART OF TAX PARCEL 13928101


APPROVED IN ACCORDANCE WITH THE ENGINEERING REQUIREMENTS OF THE SUBDIVISION ORDINANCE OF THE TOWN OF MINT HILL, NORTH CAROLINA.
ENGINEER SIGNATURE
4/1/13
DATE
SITE INFORMATION:
TOTAL AREA = 784,035 sq.ft. (17.999 acres)
TOTAL LOTS = 20
AREA IN LOTS = 648,714 sq.ft. (14.892 acres)
AREA IN R/W = 135,321 sq.ft. (3.107 acres)
VICINITY MAP
NOT TO SCALE
CERTIFICATE OF APPROVAL
I HEREBY CERTIFY THAT ALL STREETS SHOWN ON THIS PLAT ARE WITHIN THE TOWN OF MINT HILL'S PLANNING JURISDICTION, ALL STREETS AND OTHER IMPROVEMENTS SHOWN ON THIS PLAT HAVE BEEN INSTALLED OR COMPLETED OR THAT THEIR INSTALLATION OR COMPLETION HAS BEEN ENSURED BY THE POSTING OF A PERFORMANCE BOND OR OTHER SUFFICIENT SURETY AND THE SUBDIVISION SHOWN ON THIS PLAT IS IN ALL RESPECTS IN COMPLIANCE WITH MINT HILL'S UNIFIED DEVELOPMENT ORDINANCE, AND THEREFORE THIS PLAT HAS BEEN APPROVED BY THE TOWN OF MINT HILL, SUBJECT TO BEING RECORDED.
10/9/13
MINT HILL PLANNING DIRECTOR OR DESIGNEE
DATE
NOTES:
1. BEARINGS BASED ON NC GRID.
2. AREA COMPUTATIONS DONE BY COORDINATE METHOD.
3. CURRENT TAX PARCELS AS LISTED.
4. ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES IN ENGINEERING FEET.
5. PROPERTY CURRENTLY ZONED R.
6. DASHED LINES INDICATE LINES NOT SURVEYED.
7. CURRENT PROPERTY OWNERS AS SHOWN.
8. THESE PROPERTIES MAY BE SUBJECT TO ADDITIONAL EASEMENTS AND/OR RIGHTS OF WAY. A FULL AND COMPLETE TITLE REPORT WAS NOT PROVIDED FOR THIS SURVEY.
9. TOTAL ACREAGE THIS PLAT = 17.999 ACRES.
10. THE PURPOSE OF THE STORM DRAINAGE EASEMENT (SDE) IS TO PROVIDE STORM WATER CONVEYANCE. BUILDINGS ARE NOT PERMITTED IN THE EASEMENT AREA. ANY OTHER OBJECTS WHICH IMPEDE STORM WATER FLOW OR SYSTEM MAINTENANCE ARE ALSO PROHIBITED.
11. MAINTENANCE OF ALL SDEs AS SHOWN ON PLAT ARE THE RESPONSIBILITY OF THE PROPERTY OWNER OR THEIR ASSIGNS.
12. IRON PINS AT ALL PROPERTY CORNERS UNLESS OTHERWISE NOTED.
LEGEND
SITE - SITE TRIANGLE EASEMENT
MF - NOW OR FORMERLY
R/W - RIGHT OF WAY
AC - ACRES
SF - SQUARE FEET
TOB - TOP OF BANK
● - #4 REBAR SET
● - EXISTING REBAR
□ - CONTROL CORNER
+ - COMPUTED POINT
SETBACK TABLE
MIN. LOT AREA = 30,000 sq. ft.
MIN. FRONT SETBACKS = 60'
MIN. REAR YARD = 40'
MIN. SIDE YARD (CORNER LOT) = 30'
MIN. SIDE YARD = 10'
MIN. LOT WIDTH = 150' (AT BUILDING LINE)
NOTE
THE PURPOSE OF THE FINAL PLAT IS TO INDICATE THE ENFORCEABLE RESTRICTIONS ON PROPERTY USAGE THAT RUN WITH THE LAND TO ENSURE THAT FUTURE DEVELOPMENT AND REDEVELOPMENT MAINTAINS THE SITE IN COMPLIANCE WITH ORDINANCE REQUIREMENTS. THOSE RESTRICTIONS THAT SHOW UP ON THE RECORDED FINAL PLAT SHALL BE PICKED UP BY THE SURVEYOR AND SHOWN ON THE LOT SURVEY GIVEN TO PURCHASERS AT THE TIME OF CLOSING. IN THIS WAY, THE PROPERTY OWNER SHALL BE MADE AWARE OF THE RESTRICTIONS AND SHALL MAINTAIN THE SITE IN COMPLIANCE WITH ORDINANCE REQUIREMENTS.
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
APPROVED:
DISTRICT ENGINEER
10/4/13
DATE
CERTIFICATE OF OWNERSHIP AND DEDICATION
I HEREBY CERTIFY THAT I AM THE OWNER OF THE PROPERTY DESCRIBED HEREON, WHICH PROPERTY IS LOCATED WITHIN THE PLANNING JURISDICTION OF THE TOWN OF MINT HILL, THAT I HEREBY FREELY ADOPT THIS PLAN OF SUBDIVISION AND DEDICATE TO PUBLIC USE ALL AREAS SHOWN ON THIS PLAT AS STREETS, ALLEYS, WALKS, PARKS, OPEN SPACE AND EASEMENTS, EXCEPT THOSE SPECIFICALLY INDICATED AS PRIVATE, AND THAT I WILL MAINTAIN ALL SUCH AREAS UNTIL THE OFFER OF DEDICATION IS ACCEPTED BY THE APPROPRIATE PUBLIC AUTHORITY. ALL PROPERTY SHOWN ON THIS PLAT AS DEDICATED FOR A PUBLIC USE SHALL BE DEEMED TO BE DEDICATED FOR ANY OTHER PUBLIC USE AUTHORIZED BY LAW WHEN SUCH OTHER USE IS APPROVED BY THE BOARD OF COMMISSIONERS IN THE PUBLIC INTEREST.
9-12-13
OWNER
DATE
THIS SURVEY CREATED A SUBDIVISION OF LAND WITHIN THE AREA OF A COUNTY OR MUNICIPALITY THAT HAS AN ORDINANCE THAT REGULATES PARCELS OF LAND.
I, J MARK FISHER, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS BROKEN LINES TAKEN FROM REFERENCED PLATS ABOVE; THAT THE RATIO OF PRECISION AS CALCULATED IS 1:10000+; THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH G.S. 47-30 AS AMENDED. WITNESS MY ORIGINAL SIGNATURE, REGISTRATION NUMBER AND SEAL THIS 11 DAY OF SEPTEMBER, 2013.
4/1/14
J MARK FISHER PLS
L-4386
STATE OF NORTH CAROLINA, MECKLENBURG COUNTY
I, REVIEW OFFICER OF MECKLENBURG COUNTY, CERTIFY THAT THE PLAT TO WHICH THIS CERTIFICATION IS AFFIXED MEETS ALL STATUTORY REQUIREMENTS FOR RECORDING.
10/9/13
REVIEW OFFICER
DATE
RECORDED
MINT HILL PLANNING BOARD CERTIFICATE
APPROVED IN ACCORDANCE WITH THE PROVISIONS OF THE SUBDIVISION ORDINANCE OF THE TOWN OF MINT HILL, NORTH CAROLINA
William A Long 10/9/13
PLANNING BOARD CHAIRMAN
DATE
Summit
OAK RIDGE
L-4386

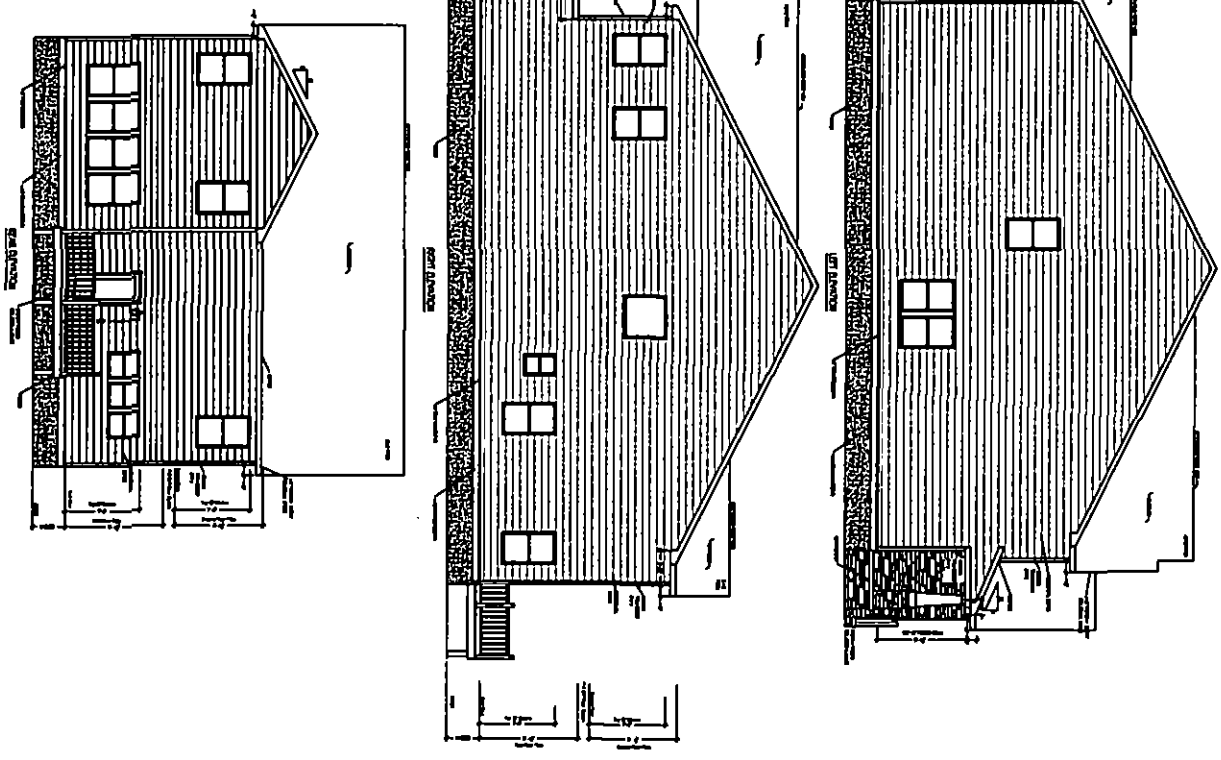
15014 Bagley Ln

File # 8851B





SHEET: 1 of 6	JOB: Lot #5 Bagley DRAWN BY: SCALE: 1/4"=1'-0" DATE: 12.14 DRAWN BY: Oakbridge @ Waterleaf Lot #5	FRONT ELEVATIONS 3510 - WINSLOW	OAKBRIDGE @ WATERLEAF Lot #5	TRUE HOMES L.L.C. 2649 Brekon Ridge Centre Dr. Suite 104 Monroe, N.C. 28110 704-226-9486	



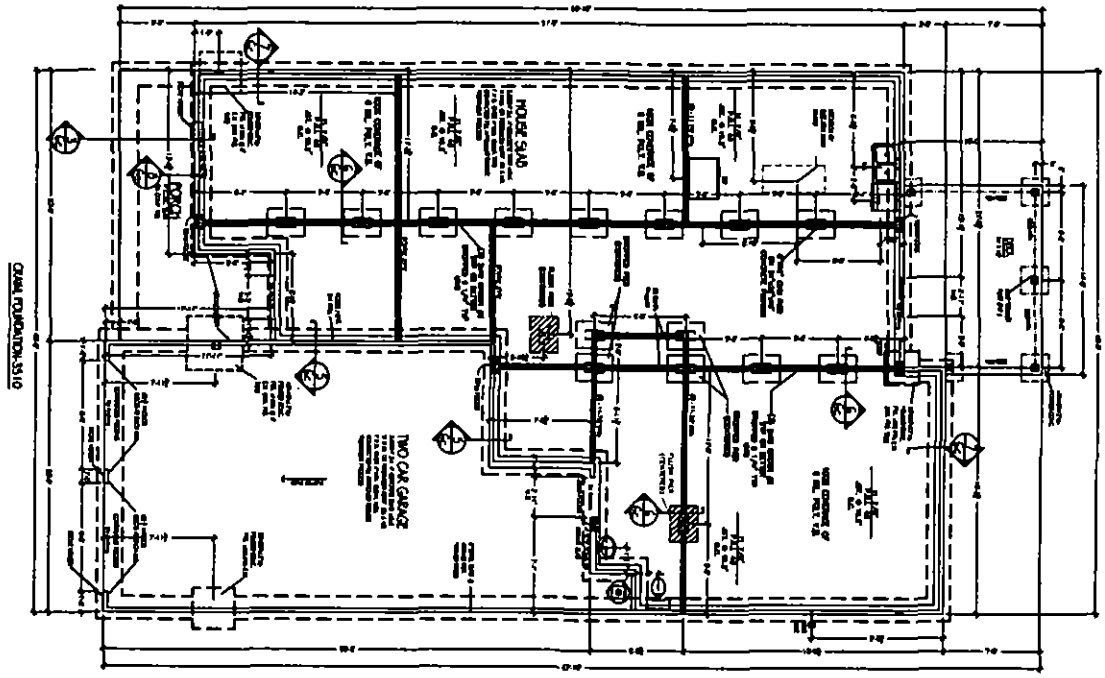
SHEET: 2 / 9

SIDE ELEVATIONS

3510 - WINSLOW

OAKBRIDGE @ WATERLEAF
Lot #5

TRUE HOMES L.L.C.
2649 Brekon Ridge Centre Dr.
Suite 104
Monroe, N.C. 28110
704-226-9486



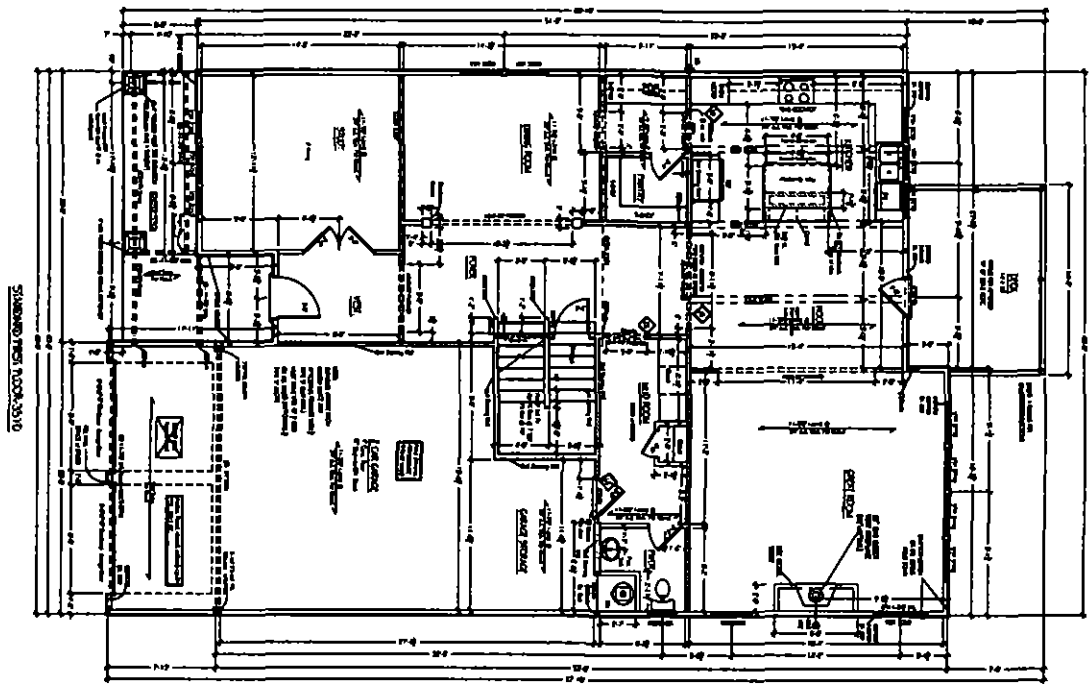
SHEET: 3 / 9

FOUNDATION

3510 - WINSLOW

OAKBRIDGE @ WATERLEAF
Lot #5

TRUE HOMES L.L.C.
2649 Brekon Ridge Centre Dr.
Suite 104
Monroe, N.C. 28110
704-226-9486



SQUARE FOOTAGE TABLE	
FIRST FLOOR	1510 SF
SECOND FLOOR	1811 SF
PORCH	305 SF
GARAGE	641 SF
DECK	140 SF

HEADER SCHEDULE

GENERAL NOTES:

2X4 EXTERIOR WALL	
2X4 INTERIOR WALL	
2X6 EXTERIOR WALL	
2X6 INTERIOR WALL	
2X6 EXTERIOR WALL	

TRUE HOMES L.L.C.
2649 Brekon Ridge Centre Dr.
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Monroe, N.C. 28110
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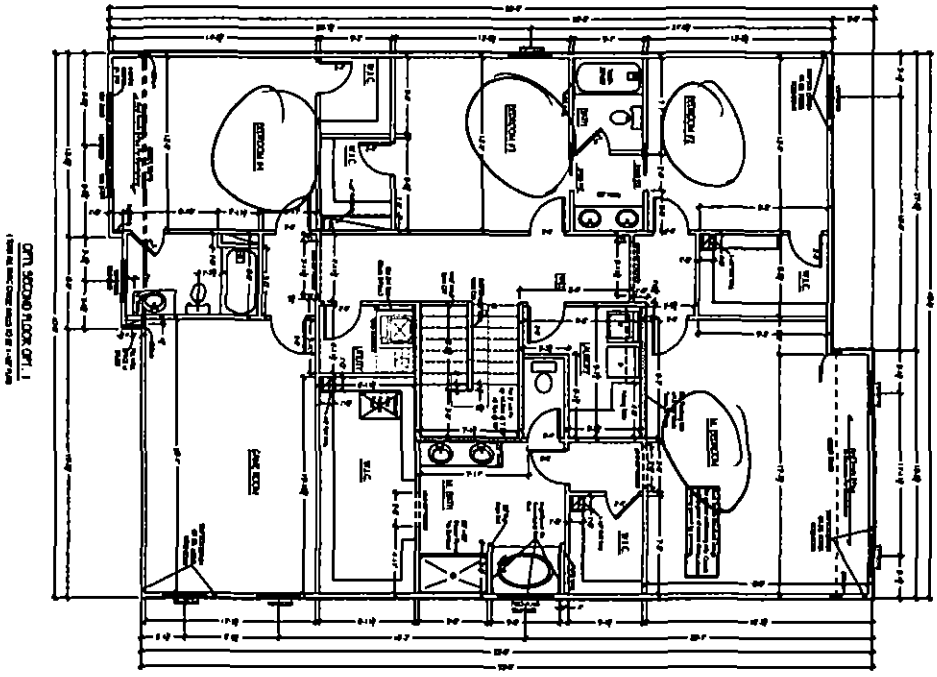
OAKBRIDGE @ WATERLEAF
Lot #5

FIRST FLOOR PLAN

3510 - WINSLOW

JOB:	Lot #5
SCALE:	1/4"=1'-0"
DRAWN BY:	
DATE:	12/2/14

4



SECOND FLOOR PLAN

3510 - WINSLOW

OAKBRIDGE @ WATERLEAF
Lot #5

TRUE HOMES L.L.C.
2649 Brekon Ridge Centre Dr.
Suite 104
Monroe, N.C. 28110
704-226-9486

SHEET 5 of 6

DRAWN BY:
DATE: 5.12.14
SCALE: 1/4"=1'-0"
REVISIONS:
JOB: Lot #5