5419B

Supervisor/Administrative Professional Checklist

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

New Septic Fees Paid:

IP ($250.00) lwa 12/19/13 Initials/Date

CA ($200.00) lwa 2/24/14 Initials/Date

OP ($200.00) lwa 2/24/14 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 ☑ JAM
6 Bedroom

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. ☑ 2/24/14

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 #: 5419B WASPS App #: 6597

Primary ES assigned to project: Phil Walker

Secondary ES assigned to project:

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

I. File Review:

Rule or Law	Permit Application			
.1937(d)	Is the Application complete	Yes ☑	No ☐	N/A ☐
.1937(d)	Is there a Site plan/Plat with application	Yes ☑	No ☐	N/A ☐
.1937(d)	Is the Facility shown?	Yes ☑	No ☐	N/A ☐
.1937(d)	Are appurtenances shown	Yes ☑	No ☐	N/A ☐
	Site Evaluation Information			
.1939 (a)(1)	Topography and Landscape Position Recorded?	Yes ☑	No ☐	N/A ☐
.1940 (a-g)	Slope % Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(2)	Texture Class Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(2)	Structure type Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(2)	Consistence Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(2)	Mineralogy Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(3)	Soil Wetness Condition Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(4)	Soil Depth to Rock or Parent Material Recorded When Encountered	Yes ☑	No ☐	N/A ☐
.1939 (a)(5)	Depth to Restrictive Horizons Recorded When Encountered?	Yes ☑	No ☐	N/A ☐
.1939 (a)(6)	Sufficient Available Space Recorded?	Yes ☑	No ☐	N/A ☐
.1937(m)	Are the Profile Locations Shown?			
.1939(a)	Are the S/PS Profiles in system & in repair area?	Yes ☑	No ☐	N/A ☐
& .1945(b)	Number of auger borings made: 7. Were sufficient auger borings made?	Yes ☑	No ☐	N/A ☐
.1939(d), .1955, .1956, .1957	LTAR 0.3	Yes ☑	No ☐	N/A ☐
	Improvement Permit/Construction Authorization			
.1937(g) 130A-336(a)	Proposed System Type stated-Initial	Yes ☑	No ☐	N/A ☐
.1945(b)	Proposed System Type stated-Repair	Yes ☑	No ☐	N/A ☐
130A-336 (a)(3)	System location identifiable by setbacks - Initial	Yes ☑	No ☐	N/A ☐
.1937(g) .1945(b)	System components shown – Initial	Yes ☑	No ☐	N/A ☐
.1945(b)	Repair area shown	Yes ☑	No ☐	N/A ☐
.1937 (f)(g)	Does System design match facility, flow & WWcharacteristics?	Yes ☑	No ☐	N/A ☐
.1937 (f)(g)	~~Is System design consistent with~~ soil/site conditions?	Yes ☑	No ☐	N/A ☐
.1937 (f)(g)	Is the System located in the approved area?	Yes ☑	No ☐	N/A ☐
130A-336(a)	Is the Design flow (gpd) indicated?	Yes ☑	No ☐	N/A ☐

130A-336(a)	Number of Bedrooms, employees, seats, etc. indicated?	Yes ☑	No ☐	N/A ☐
.1937(g)	Trench depth indicated?	Yes ☑	No ☐	N/A ☐
.1937(g)	Trench width indicated?	Yes ☑	No ☐	N/A ☐
.1937(g)	Trench length indicated?	Yes ☑	No ☐	N/A ☐
130A-336(a)(1)	Proposed/existing well shown?	Yes ☐	No ☐	N/A ☑
130A-336(a)(1)	Property line lengths shown?	Yes ☑	No ☐	N/A ☐
130A-336(a)	Facility/appurtenance setbacks shown from fixed points?	Yes ☑	No ☐	N/A ☐

Operation Permit

.1937(i)	System type as described in table V(a) of rule .1961	Yes ☑	No ☐	N/A ☐
.1937(i)	Conditions for system performance, operation, maintenance, monitoring and reporting.	Yes ☑	No ☐	N/A ☐

II. WASPS Review:

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

Items requiring correction/modification: _____

Comments:

_____

_____

_____

_____

_____

IA issued date: 9/19/14

OP issued date: 9/23/14

Review performed by: JAM

Date performed: _____

MECKLENBURG COUNTY
HEALTH DEPARTMENT

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: 19937150
STREET ADDRESS: 13015 ninebark Trail
CITY: charlotte
STATE: NC ZIP: 28278
SUBDIVISION NAME: Sanctuary
LOT #: 7 LOT SIZE (acres): 8.75
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: 5 6
NUMBER OF OCCUPANTS:
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 Chamber system

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: Josiah Boling
ADDRESS: 7007 Woosdtream Drive
CITY: charlotte
STATE: nc ZIP: 28210
WORK PHONE: (704) 248-1740
MOBILE PHONE:
FAX:
E-MAIL:

13. OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:
NAME: john santangelo Diesel construction
ADDRESS: 5411 starflower drive
CITY: charlotte
STATE: nc ZIP: 28215
WORK PHONE: (704) 995-6454
MOBILE PHONE:
FAX:
E-MAIL: john@dieseldev.com

5419B

MECKLENBURG COUNTY
HEALTH DEPARTMENT

App # 6597

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: 19937150
STREET ADDRESS: 13015 ninebark Trail
CITY: charlotte
STATE: NC ZIP: 28278
SUBDIVISION NAME: Sanctuary
LOT #: 7 LOT SIZE (acres): 8.75
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: 6500
NUMBER OF BEDROOMS: 5
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 Chamber system

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: Josiah Boling
ADDRESS: 7007 Woosdtream Drive
CITY: charlotte
STATE: nc ZIP: 28210
WORK PHONE: (704) 248-1740
MOBILE PHONE: _____
FAX: _____
E-MAIL: _____

13. OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:

NAME: john santangelo Diesel construction
ADDRESS: 5411 starflower drive
CITY: charlotte
STATE: nc ZIP: 28215
WORK PHONE: (704) 995-6454
MOBILE PHONE: _____
FAX: _____
E-MAIL: john@dieseldev.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.

_____ 12/18/13

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: 12/19/13

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

APPLICATION PROCESSED BY: DWS

GWS FILE NUMBER ASSIGNED: 5419B

APPLICATION ID NUMBER ASSIGNED: 6597

COMMENTS:

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

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	12/19/13	**Amount:**	250.00
Receipt #:	86490	**Tendered:**	250.00
Check / Auth #:	CHECK 1932	**Returned:**	0.00
Received By:	SADERLW		

Account Information

Account #: 200000
Contractor: DIESEL CONSTRUCTION & DEVELOP
Attn:
Address: 6710 HOLSTON CT
Address:
City/State/Zip: CHARLOTTE, NC 28215

Item	Description	Permit#	Quantity	Unit Price	Total Price
0701	Improvment Permit App-Residen 13015 NINEBARK TRAIL		1	250.00	250.00

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
295.00		422.50	95.00	1,252.15	

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	02/24/14	**Amount:**	200.00
Receipt #:	87771	**Tendered:**	200.00
Check / Auth #:	CHECK 1991	**Returned:**	0.00
Received By:	SADERLW		

Account Information

Account #: 200000
Contractor: DIESEL CONSTRUCTION & DEVELOP
Attn:
Address: 6710 HOLSTON CT
Address:
City/State/Zip: CHARLOTTE, NC 28215

Item	Description	Permit#	Quantity	Unit Price	Total Price
0703	Installation/Final Approval 13015 NINEBARK TRAIL		1	200.00	200.00

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
1,280.00	380.00	295.00		249.65	

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	02/24/14	**Amount:**	200.00
Receipt #:	87772	**Tendered:**	200.00
Check / Auth #:	CHECK 1991	**Returned:**	0.00
Received By:	SADERLW		

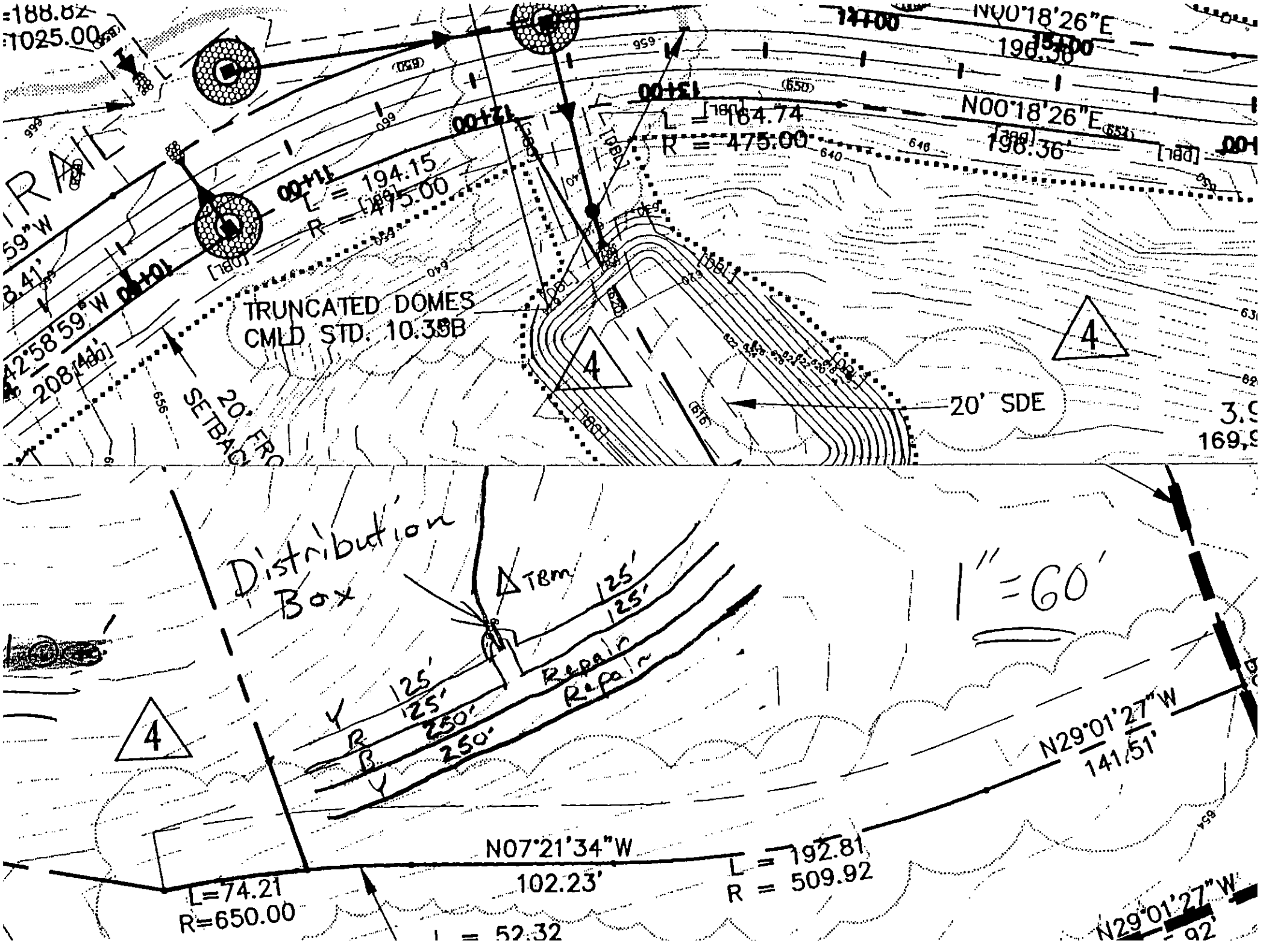
Account Information

Account #: 200000
Contractor: DIESEL CONSTRUCTION & DEVELOP
Attn:
Address: 6710 HOLSTON CT
Address:
City/State/Zip: CHARLOTTE, NC 28215

Item	Description	Permit#	Quantity	Unit Price	Total Price
0734	Auth for Waste Wtr Sys Constr 13015 NINEBARK TRAIL		1	200.00	200.00

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
1,280.00	380.00	295.00		249.65	


N00°18'26"E
198.36'
L = 164.74
R = 475.00
L = 194.15
R = 475.00
TRUNCATED DOMES
CMLD STD. 10.35B
20' SETBACK
20' SDE
Distribution Box
TBM
125'
125'
125'
125'
250'
250'
Repair
Repair
1"=60'
N29°01'27"W
141.51'
N07°21'34"W
102.23'
L=74.21
R=650.00
L = 192.81
R = 509.92
N29°01'27"W

CONDITIONS OF IMPROVEMENT PERMIT

Permit Number: 5419B

Tax Number: 199-521-01

- The IMPROVEMNET PERMIT is subject to revocation if site plans or the intended use change. There is to be NO grading, filling, or disturbance of the soil in the area of the septic tank system or repair area.
- CONSTRUCTION AUTHORIZATION must be obtained prior to receiving a Building Permit. The Construction Authorization is NOT transferable. Do not clear, grade, fill or disturb soil prior to obtaining a Construction Authorization.
- Domestic-type wastewater only. No industrial process wastewater may be discharged into the system.

Basement: ☒ Yes ☐ No ☐ Partial Basement

Primary Wastewater System

Type: ☐ I ☐ II ☒ III ☐ IV ☐ V ☐ VI

☐ Conventional
☐ Prefabricated, permeable block panel system
☐ Shallow Placed Conventional
☐ Low Pressure Pipe
☐ Large Diameter Pipe
☐ Fill
☐ Other
☒ Innovative or Experimental:

0.3 Long-term acceptance rate (GPD/ft^2)	600 Max gallons/day wastewater flow	1500 Absorption Area (ft^2)	9 Trench spacing (min. on centers) (ft)
Serviced by private well: ☐ Yes ☒ No	1500 Gallon septic tank	500 Total trench length (ft)	24 Maximum trench depth (in) (At least 12" of provisionally suitable soil must remain between trench bottom and unsuitable soil conditions.)
5 Bedrooms in residence	na Gallon pump tank	24 Depth of stone (in)	

Any surface water present: No Type: Minimum separation distance (ft):

Additional conditions: Install according to plans on file submitted by Toney Jacobs and associates.

Repair Area System

Type: ☐ I ☐ II ☒ III ☐ IV ☐ V ☐ VI

☐ Conventional
☐ Prefabricated, permeable block panel system
☐ Shallow Placed Conventional
☐ Low Pressure Pipe
☐ Large Diameter Pipe
☐ Fill
☐ Other
☒ Innovative or Experimental:

1500 Absorption Area (ft^2) 500 Total trench length (ft)	na Depth of stone (in)	9 Trench spacing (min. on centers) (ft)	24 Maximum trench depth (in)

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

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

*** This Improvement permit is transferable.

R.S., 8/10/04

DENR Authorized Agent Date

Owner/Agent Signature Date

MECKLENBURG COUNTY
HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
c/o HAL MARSHALL CTR.
SUITE 211
700 N. TRYON ST.
CHARLOTTE, NC 28202
(704) 336-5103

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

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 #: 5419B Permit #: 6597 Tax Parcel #: 19937150

Property Owner: Josiah Boling

Job Location Address: 13015 Ninebark Trail

City: Charlotte State: NC Zip Code: 28278

Operation Permit Issuance Date: 9/23/14 Contractor Name: Stanley Septic

Permitted Design Flow: 720 GPD

Liquid Capacity of Septic Tank: 1500 gallons

Liquid Capacity of Dosing Tank: 0.3 gallons

Effluent Pump Model: 1500

Drainfield Installation ☐ N/A

Trench Depth: 24 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 600 feet

# of Lines: 6 @ 100 feet

Depth of Media: 12 inches (Type) Chambers

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: 10 feet

Distance from Property Line: 10 feet

Distance from Water Supply Source: 10 feet

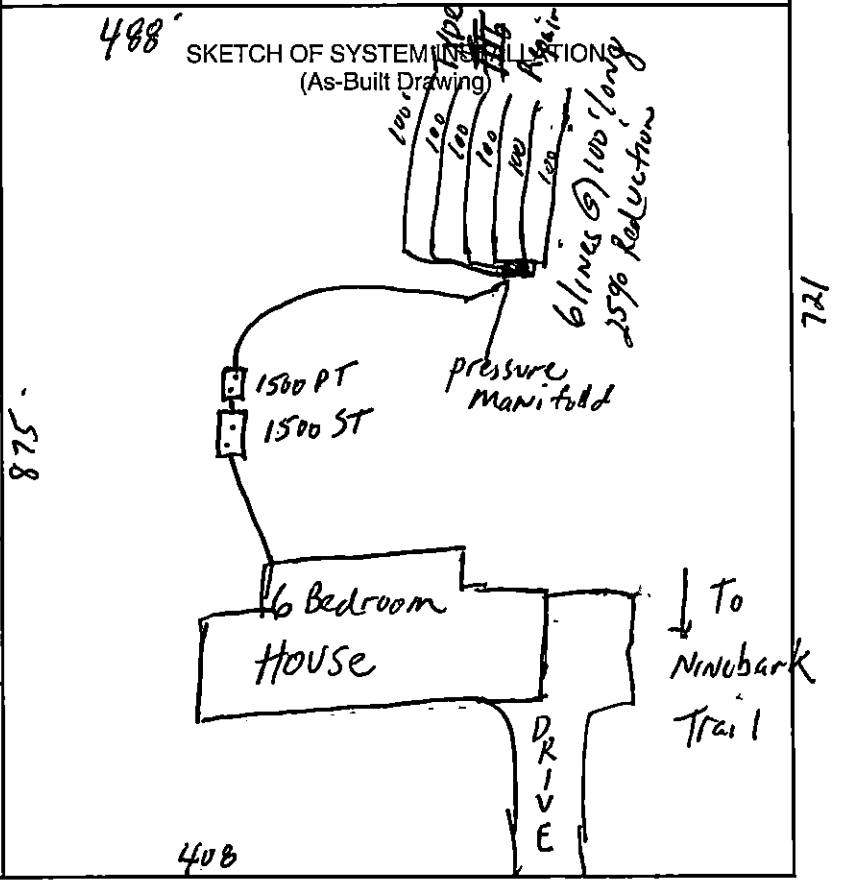
Inspection Dates

Tank(s) Inspected: 9/18/14

Excavation Inspected: 9/23/14

Pump & Controls Inspected: 9/23/14

SKETCH OF SYSTEM INSTALLATION (As-Built Drawing)

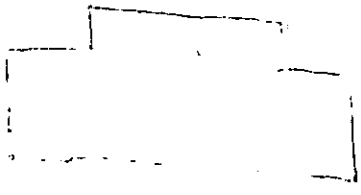


The undersigned has inspected the Septic Tank System described above, and certifies it has been ☑ installed ☐ altered ☐ repaired ☑ as detailed in the plot above ☐ in accordance with the permit issued and meets the provisions of 15A NCAC 18A. 1900, "Laws and Rules for Sewage Treatment and Disposal Systems" 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 Pump to Chambers 'B10A 36, G, NA, NA

DENR Authorized Agent: Philo Walker Signature: Philo Walker REHS



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 #: 5419B Permit #: 6597 Tax Parcel #: 199 371 50

Property Owner: Josiah Boling

Job Location Address: 13015 Ninebark Trail

City: Charlotte State: NC Zip Code: 28278

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: Pump to chambers

DENR Authorized Agent: Philo Walker Date: 9/23/14

Signature: Philo Walker REHS

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

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

File #: 54/9-B Permit #: _____ Tax Parcel #: 199 37150

Property Owner: Josiah Boling

Job Location Address: 13015 Ninebark Trail

City: Charlotte State: NC Zip Code: 28278

Installation Approval Issuance Date: 9/19/14

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 10/19/14, 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: 720 GPD
Site LTAR: 0.3 GPD/ft² (For new installations only.)
Liquid Capacity of Septic Tank: 1500 gallons
Liquid Capacity of Dosing Tank: 1500 gallons

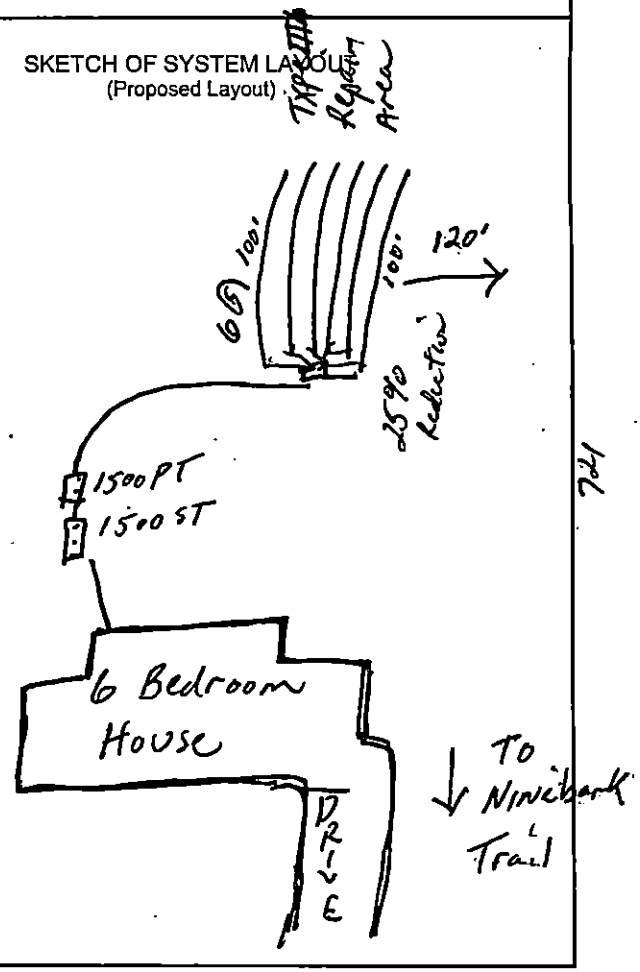
Drainfield Design ☐ N/A
Trench Depth: 24 inches
Trench Width: 3 feet
Line Spacing: 9 feet (O.C.)
Total line length: 600 feet
# of Lines: 6 @ 100 feet
Depth of Media: 12 inches (Type) 25% Reduction System
Distribution Device: pressure manifold

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: 10 feet
Distance from Property Line: 10 feet
Distance from Water Supply Source: 10 feet

SKETCH OF SYSTEM LAYOUT
(Proposed Layout)



Comments: System Classification & Type: III b 1500 ST, 1500 Gal PT, pressure manifold, 6 lines @ 100' long @ 3' wd 25% Reduction System municipal water

DENR Authorized Agent: Philo Walker Signature: Philo Walker REHS

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

Sheet: 1 of 2
Property ID: 199-371-50
Lot #: 7
File #: 5419B
AppID: 6597

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Josiah Boiling
Address: 7007 Woodstream Dr, Charlotte, NC 28210
Proposed Facility: 5BR House
Design Flow (.1949): 600 GPD
Location of Site: 7007 Woodstream Dr, Charlotte, NC 28210
Water Supply: [X] Public [X] Individual [ ] Well [ ] Spring [ ] Other
Evaluation Method: [X] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [X] Sewage [ ] Industrial Process [ ] Mixed

Applicant: John Santangelo w/ Diesel Construction
Date Evaluated: 1/3/2014
Property Size: 8.75 ac
Property Recorded: Unknown

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
Boring #1	LS 5%	0 - 4 4 - 50	gr CL mfsbk C	FR SEXP FI SEXP	>50"	50	NA	NA		PS IV 0.3	36"
Boring #2	LS 8%	0 - 3 3 - 51	gr CL mfsbk C	FR SEXP FI SEXP	>51"	51	NA	NA		PS IV 0.3	36"
Boring #3	LS 5%	0 - 5 5 - 50	gr CL mfsbk C	FR SEXP FI SEXP	>50"	50	NA	NA		PS IV 0.3	36"
Boring #4	R 5%	0 - 5 5 - 50	gr CL mfsbk C	FR SEXP FI SEXP	>50"	50	NA	NA		PS IV 0.3	36"
Boring #5	LS 22%	0 - 4 4 - 56	gr CL mfsbk C	FR SEXP FI SEXP	>56"	56	NA	NA		PS IV 0.3	36"
Boring #6	LS 8%	0 - 10 10 - 28 28 - 51	wfsbk CL wfsbk C mfsbk C	FR SEXP FR SEXP FI SEXP	>51"	51	NA	NA		PS IV 0.3	36"
Boring #7	LS 16%	0 - 7 7 - 23 23 - 54	wfsbk CL wfsbk C mfsbk C	FR SEXP FR SEXP FI SEXP	>54"	54	NA	NA		PS IV 0.3	36"

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

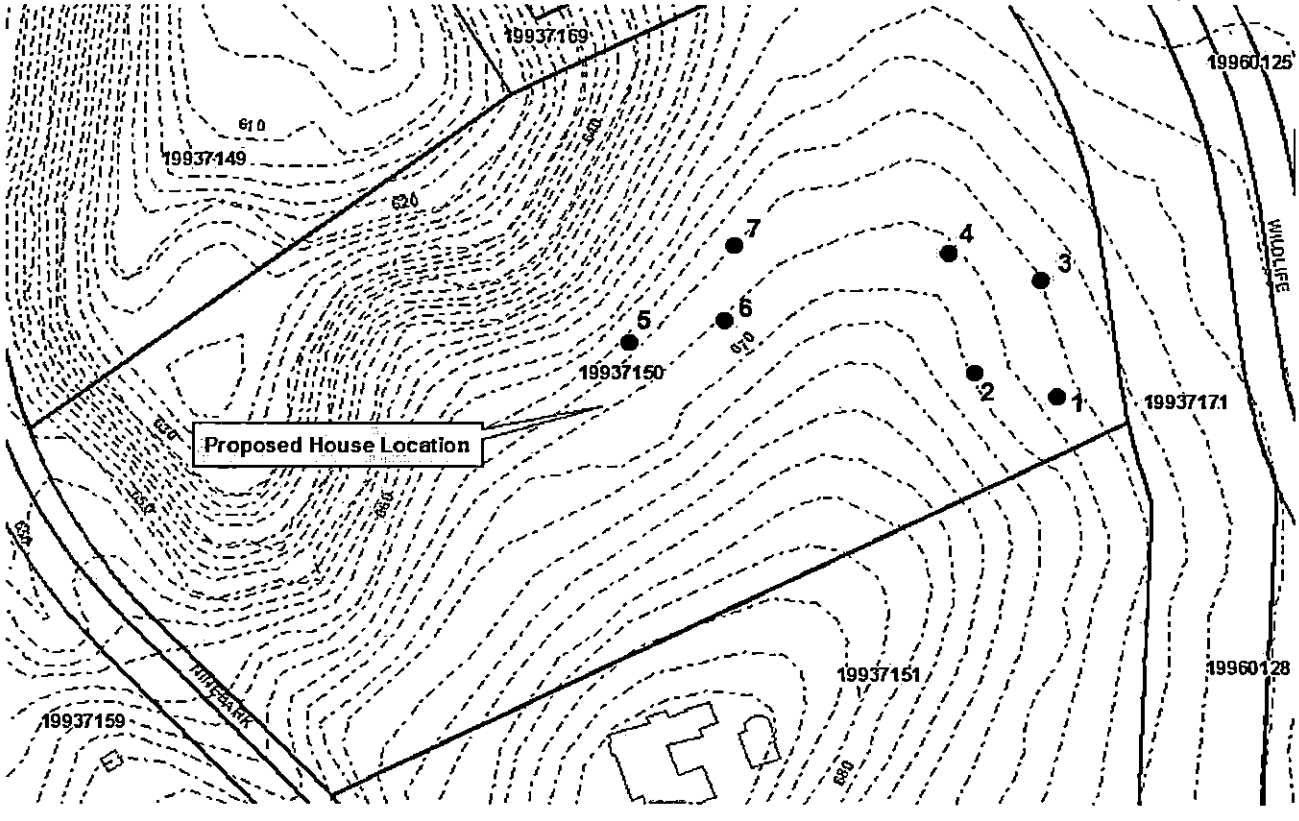
Other Factors (.1946):
Soil Evaluation By: Jacob Presley, LSS
Others Present:
Site Classification (.1948):
Site Evaluation By:
Others Present:

COMMENTS:

Landscape Position	Group	Texture	.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



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 #: **30006597** GWS File #: **5419B** Tax Parcel #: **199-371-50**

- 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):** 1/29/2019

Type of Installation: Residential - New System Lot Number: 7

Structure Type: HOUSE Size (ft^2): 6500 # Bedrooms: 6 # Occupants: 4

Building Foundation: Basement With Plumbing Water Supply: Municipal

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

Initial System Specifications:

Design Flow (gpd): 720 LTAR (gpd/ft^2): 0.3 Septic Tank Size (gal): 1500 Pump Tank Size (gal): 1500

Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area (ft^2): 1800 Total Trench Length (ft): 600

Maximum Trench Depth (in): 30 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): 720 LTAR (gpd/ft^2): 0.3 Septic Tank Size (gal): 1500 Pump Tank Size (gal): 1500

Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area (ft^2): 1800 Total Trench Length (ft): 600

Maximum Trench Depth (in): 30 Depth of Media (in): 12 Distribution Device: Pressure Manifold

IV. Permit Conditions/Comments:

(Please See the Following Page for Permit Conditions.)

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

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

DENR Authorized Agent: Philo Walker

Signature: Philo Walker REHS

Date Issued: 1/29/2014

Owner/Legal Agent: John Santangel
Print Name

Signature:

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 #: **30006597** GWS File #: **5419B**

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 periodic inspections 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 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 septic system shall be located at least 10 feet from any foundation drain.

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DENR Authorized Agent: Philo Walker
Signature: Philo Walker REHS
Date Issued: 1/29/2014

Owner/Legal Agent: John Santangelo
Print Name
Signature:

FEE: 200.00
DATE: 4/3/2014

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

MECKLENBURG COUNTY
GROUNDWATER & WASTEWATER SERVICES

FILE NUMBER: 5419B

PERMIT NUMBER: 30006597

PARCEL NUMBER: 19937150

JOB LOCATION INFORMATION

ADDRESS: 13015 NINEBARK TRL

CITY: CHARLOTTE **STATE: NC** **ZIP:** 28278

ISSUED TO: Josiah Boling

CONSTRUCTION AUTHORIZATION ISSUANCE DATE: 1/29/2014

CONSTRUCTION AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NUMBER 30006597, 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: 1/29/2019

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

Permit #: **30006597** GWS File #: **5419B** Tax Parcel #: **199-371-50**

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Structure Type: HOUSE Size (ft^2): 6500 # Bedrooms: 6 # Occupants: 4

Building Foundation: Basement With Plumbing Water Supply: Municipal

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

Initial System Specifications:

Design Flow (gpd):	720	LTAR (gpd/ft^2):	0.3	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	1500
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	1800	Total Trench Length (ft):	600
Maximum Trench Depth (in):	30	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):	720	LTAR (gpd/ft^2):	0.3	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	1500
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	1800	Total Trench Length (ft):	600
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IV. Permit Conditions/Comments:

(Please See the Following Page for Permit Conditions.)

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- The septic system installer shall be a registered septic contractor with Mecklenburg County Health Department.
- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

DENR Authorized Agent: Philo Walker Owner/Legal Agent: _____
Print Name

Signature: Philo Walker REHS Signature: _____

Date Issued: 1/29/2014

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DENR Authorized Agent: Philo Walker

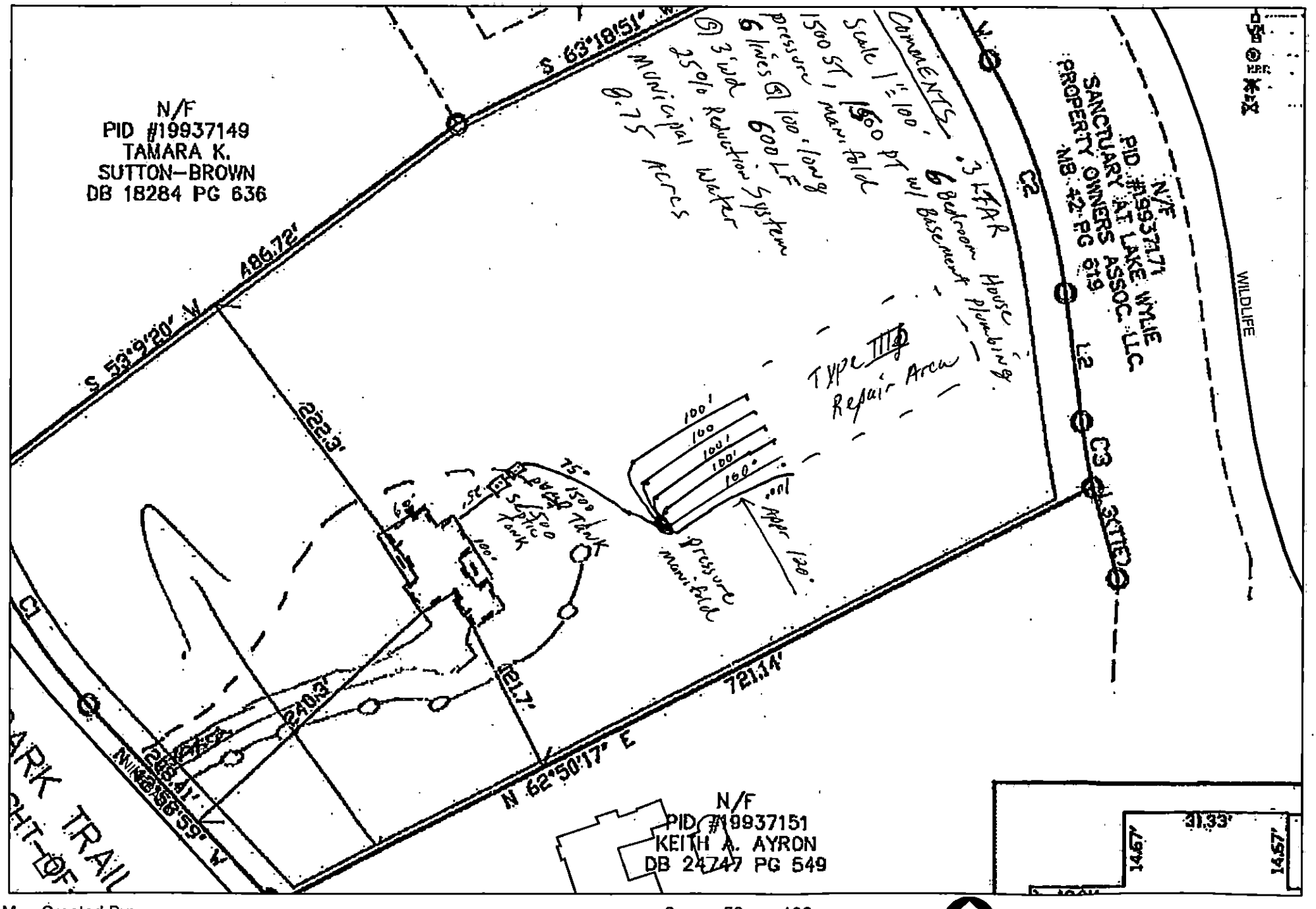
Signature: Philo Walker REHS

Date Issued: 1/29/2014

Owner/Legal Agent: _____
Print Name

Signature: _____

Parcel ID: 199-371-50
File #: 5419B
AppID: 6597



Map Created By:
Map Created On:

0 50 100 Feet

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

Sheet: 1 of 2
Property ID: 199-371-50
Lot #: 7
File #: 5419B
AppID: 6597

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Josiah Boiling
Address: 7007 Woodstream Dr, Charlotte, NC 28210
Proposed Facility: 5BR House
Design Flow (.1949): 600 GPD
Location of Site: 7007 Woodstream Dr, Charlotte, NC 28210
Water Supply: [X] Public [X] Individual [ ] Well [ ] Spring [ ] Other
Evaluation Method: [X] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [X] Sewage [ ] Industrial Process [ ] Mixed

Applicant: John Santangelo w/ Diesel Construction
Date Evaluated: 1/3/2014
Property Size: 8.75 ac
Property Recorded: Unknown

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
Boring #1	LS 5%	0 - 4	gr CL	FR SEXP	>50"	50	NA	NA		PS IV 0.3	36"
		4 - 50	mfsbk C	FI SEXP							
Boring #2	LS 8%	0 - 3	gr CL	FR SEXP	>51"	51	NA	NA		PS IV 0.3	36"
		3 - 51	mfsbk C	FI SEXP							
Boring #3	LS 5%	0 - 5	gr CL	FR SEXP	>50"	50	NA	NA		PS IV 0.3	36"
		5 - 50	mfsbk C	FI SEXP							
Boring #4	R 5%	0 - 5	gr CL	FR SEXP	>50"	50	NA	NA		PS IV 0.3	36"
		5 - 50	mfsbk C	FI SEXP							
Boring #5	LS 22%	0 - 4	gr CL	FR SEXP	>56"	56	NA	NA		PS IV 0.3	36"
		4 - 56	mfsbk C	FI SEXP							
Boring #6	LS 8%	0 - 10	wfsbk CL	FR SEXP	>51"	51	NA	NA		PS IV 0.3	36"
		10 - 28	wfsbk C	FR SEXP							
		28 - 51	mfsbk C	FI SEXP							
Boring #7	LS 16%	0 - 7	wfsbk CL	FR SEXP	>54"	54	NA	NA		PS IV 0.3	36"
		7 - 23	wfsbk C	FR SEXP							
		23 - 54	mfsbk C	FI SEXP							

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

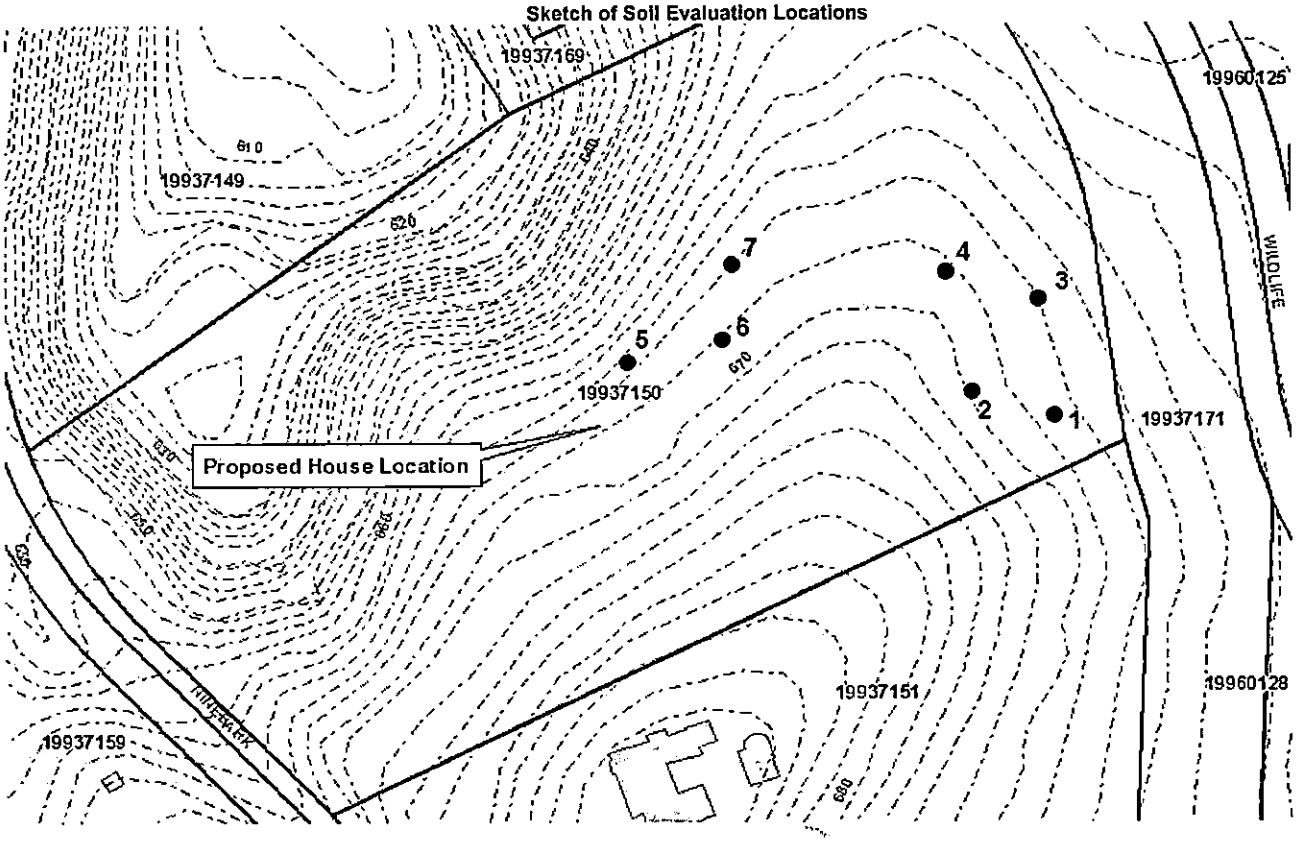
Other Factors (.1946):
Soil Evaluation By: Jacob Presley, LSS
Others Present:
Site Classification (.1948): PS
Site Evaluation By: PHILO WALKER, REHS
Others Present: JOHN SANTANRELO

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
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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		Sap-Saprolite
FP-Flood Plain		SCL-Sandy Clay Loam		**Structure Prefixes**
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				m-moderate
				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





Print Close

Parcel Information

Parcel ID	Account	Parent	Previous
19937150	INDIVIDUAL		

Owner(s)

Owner Name	Mailing Address	City/State
BOLING MATTHEW JOSIAH HUSBAND	7117 WOODSTREAM DR	CHARLOTTE NC 28210
BOLING SHAUNA NICOLE WIFE	7117 WOODSTREAM DR	CHARLOTTE NC 28210

Legal Information

Legal	Municipality	Date Annexed	Special District	Fire District	Acreage
L7 M42-619	MECKLENBURG COUNTY-UNINCORPORATED		FIRE SERVICE A	STEELE CREEK #2	8.72

Total Parcel Assessment

Building	Land	Features	Total
0	517700	0	517700

Exemptions

Exemption	Year Approved	Review Date	Amount

Sales Information

Sale	Price	Stamps	Qualify	VI	Type	Legal Ref.	Grantor
Aug 14 2012	74000	148	GOV'T/ BANK	IMP	SPEC WARRNTY	27573-739	WELLS FARGO BANK NA,
Aug 4 2011	215000	430	FORCED	VAC	SPEC WARRNTY	26651-773	GOGO PROPERTIES LLC,
Aug 18 2004	430000	860	UNDER REVIEW	IMP	SPEC WARRNTY	19207-735	SANCTUARY AT LAKE WY
Nov 26 2003			UNDER REVIEW	IMP	MULT LISTING	16493-360	SANCTUARY AT LAKE WY

Land Use

Use	Units	Type	Neighborhood	Assessment
R120	8.72	AC	T916	517700

Building Information

Bldg	Description	Type	Year	Property Location
				13015 NINEBARK TL UNINC

Bldg	Story	Units	Total SqFt	Heated SqFt	Foundation	Ext. Wall	Grade	Value

Bldg	Heat	Fuel	Fire Place	AC	Fixtures	Bedrooms	Full Baths	3/4 Baths	1/2 Baths

Sub Area

Bldg	Description	Size

Depreciation

Bldg	Physical	Functional	Economic	Special	Override

Special Features & Yard Items

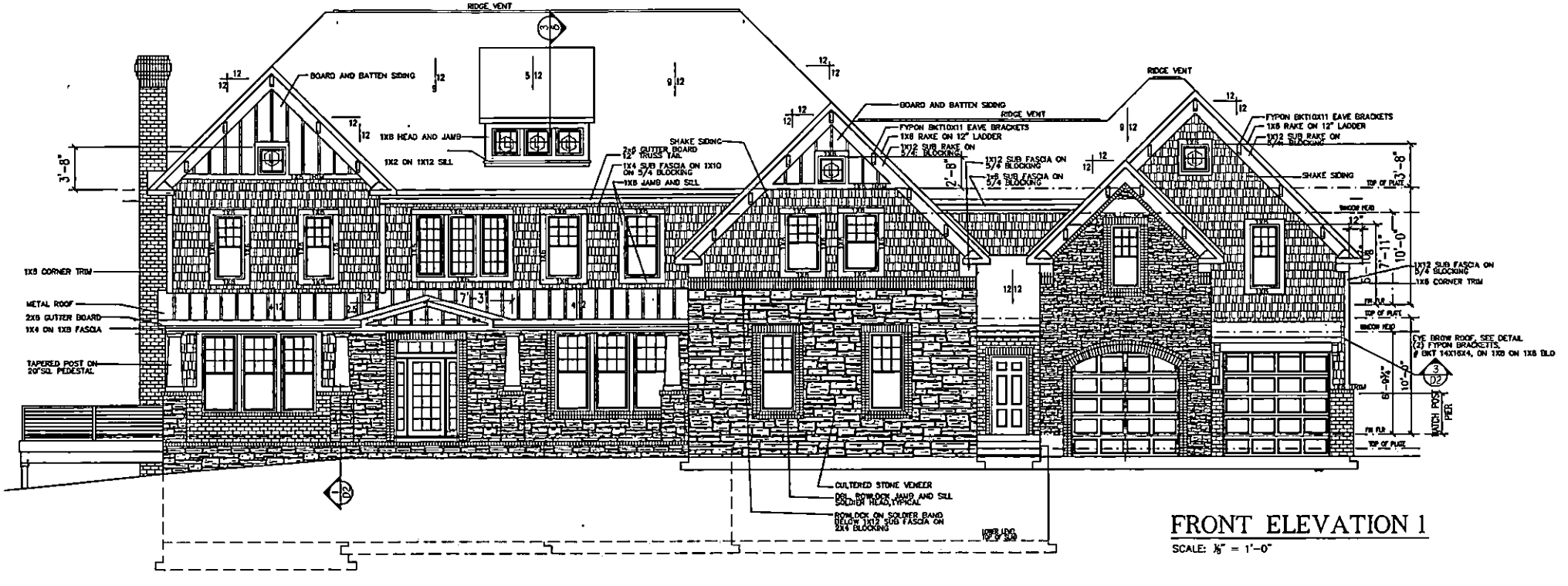
Bldg	Built	Type	Quantity	Units	Value

Notes

Tax Year	Notes	Note Date

Value Changes

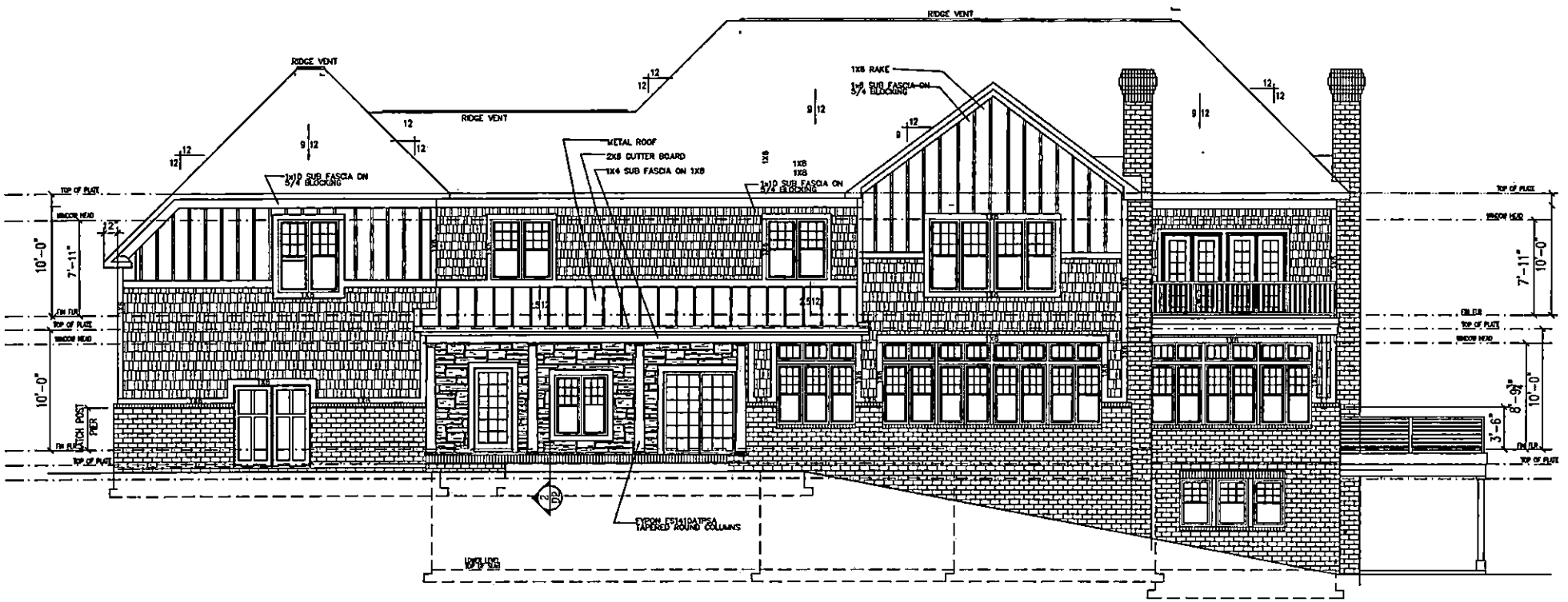
Notice Date	Tax Year	Reason	Changed To	Deferred
Feb 8 2011	2011	Countywide Revaluation	517700	0
Jul 7 2005	2005	Division of Land and/or New Parcel	423500	0
Jul 7 2005	2005	Division of Real Estate and/or New Parce	423500	0



FRONT ELEVATION 1

SCALE: ⅜" = 1'-0"

SHEET NO.	DATE	BRITT RESIDENCE	JCBHome Designs
5	11/28/13	FRONT ELEVATION #1	COPYRIGHT 2013 CHARLOTTE NC 704-910-4005
	DRAWN BY: BEAN		

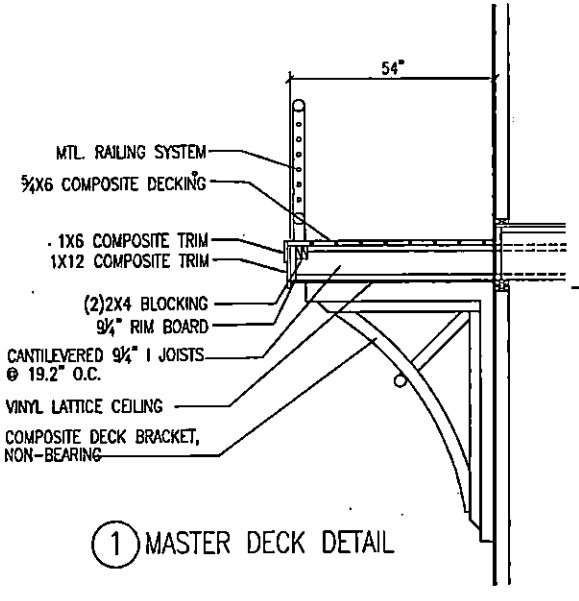


LEFT SIDE ELEVATION

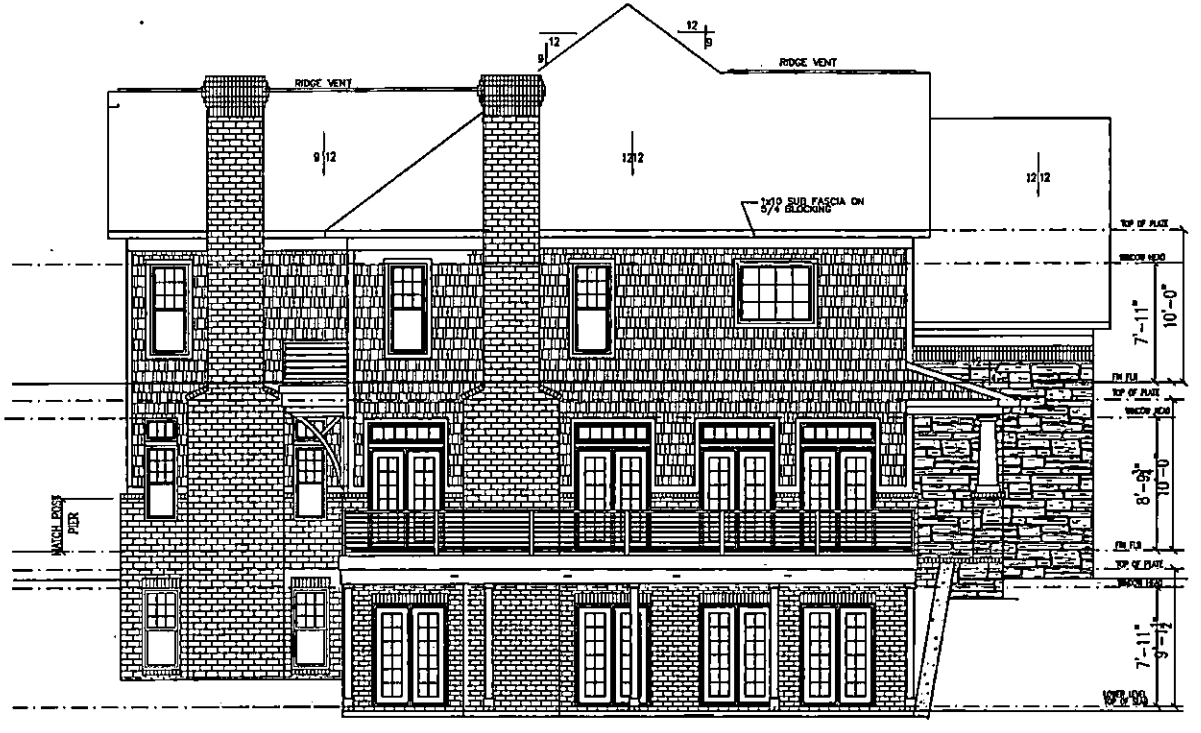
SCALE: 1/8" = 1'-0"

ALTERNATE W/ DECK OPTION

SHEET:	DATE:	BRITT RESIDENCE	JCBHome Designs
7	11/28/13	REAR ELEVATION	CHARLOTTE NC 704-910-6005
	DRAWN: BEAN		



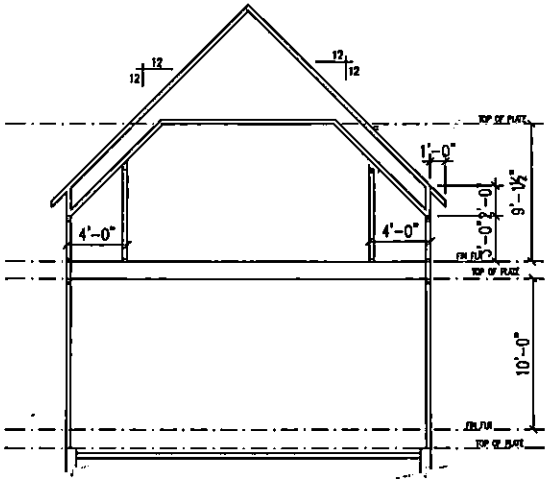
1 MASTER DECK DETAIL



LEFT SIDE ELEVATION

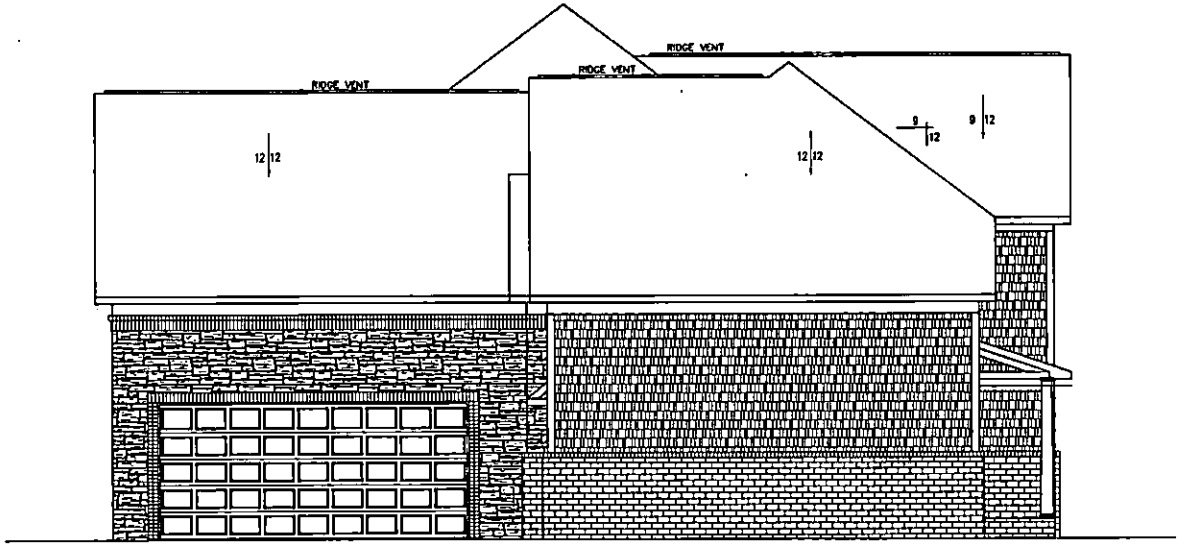
SCALE: ⅛" = 1'-0"

SHEET 6	DATE 11/28/13 DRAWN BY BEAN	BRITT RESIDENCE LEFT SIDE ELEVATION	JCBHome Designs COPYRIGHT 2013 CHARLOTTE NC 704-910-6005



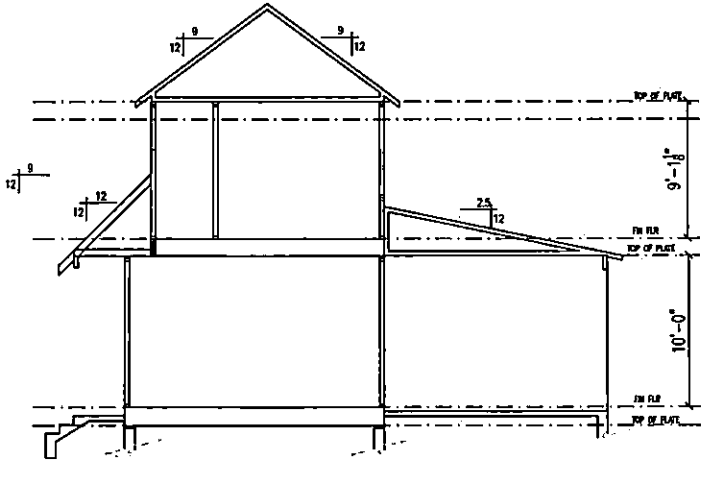
BUILDING SECTION #1

SCALE: ⅛" = 1'-0"



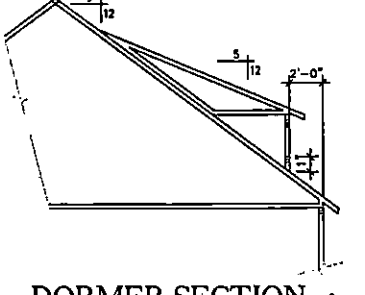
RIGHT SIDE ELEVATION

SCALE: ⅛" = 1'-0"



BUILDING SECTION #2

SCALE: ⅛" = 1'-0"

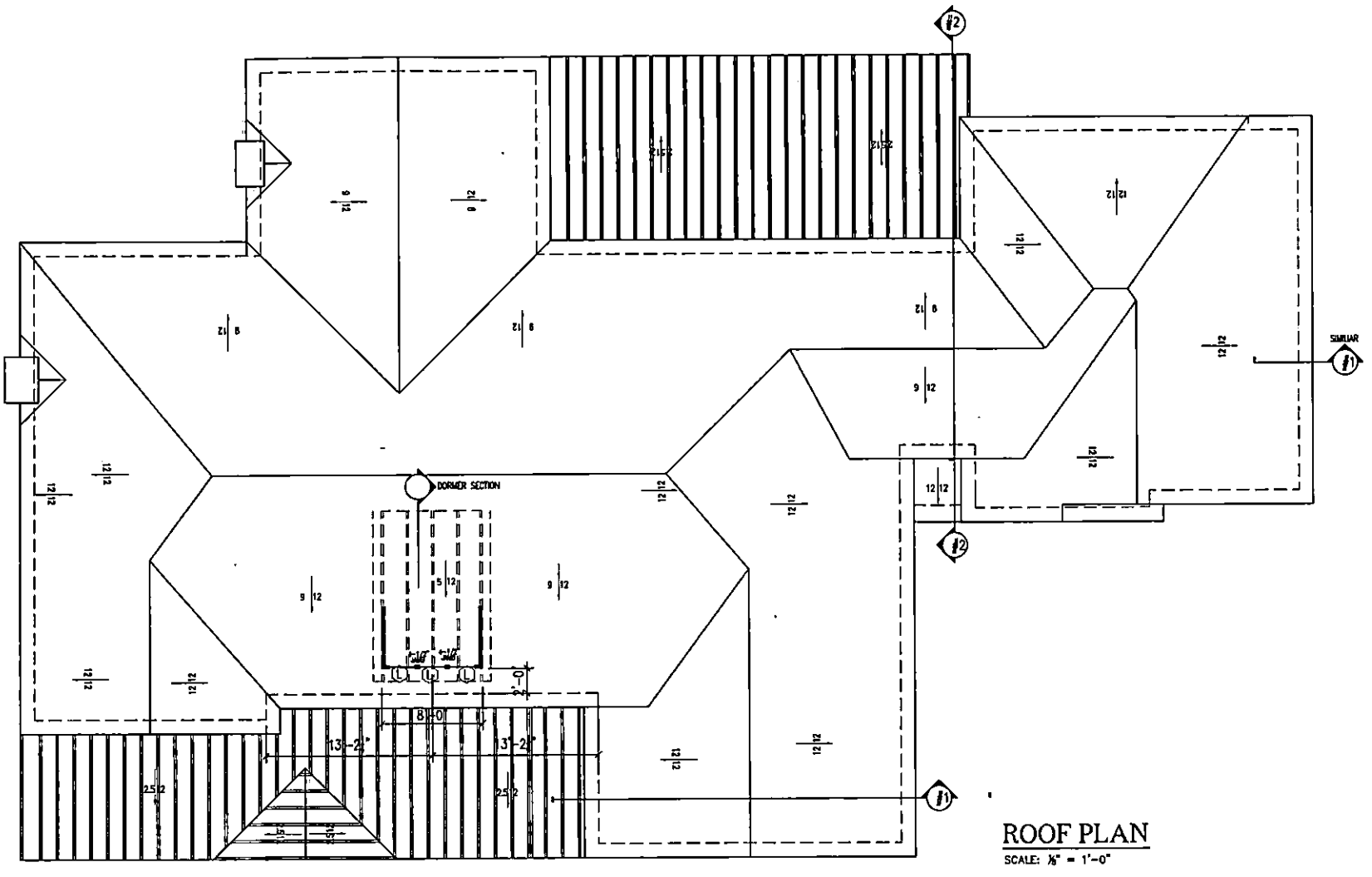


DORMER SECTION

3
6

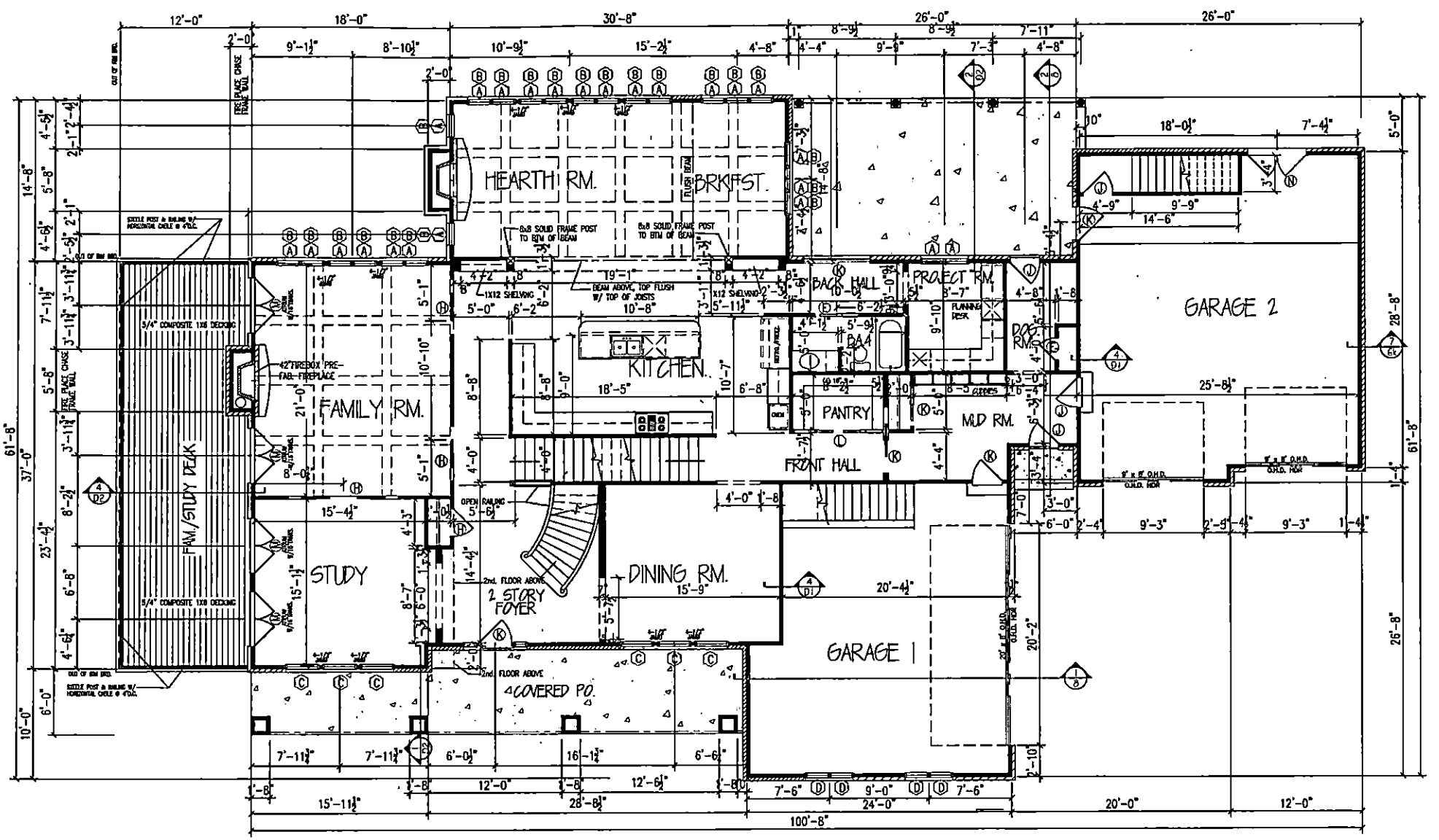
SCALE: ⅛" = 1'-0"

SHT NO.	DATE		
8	11/28/13	BRITT RESIDENCE	JCBHome Designs
	DRAWN BY: BEAN	RIGHT SIDE ELEVATION, BLDG. SECTIONS	COPYRIGHT 2013 CHARLOTTE NC- 704-910-6005



ROOF PLAN
SCALE: ⅛" = 1'-0"

SHEET NO: 9	DATE: 11/28/13	BRITT RESIDENCE	JCBHome Designs
DRAWN BY: BEAN	ROOF PLAN		CHARLOTTE NC 704-910-6005

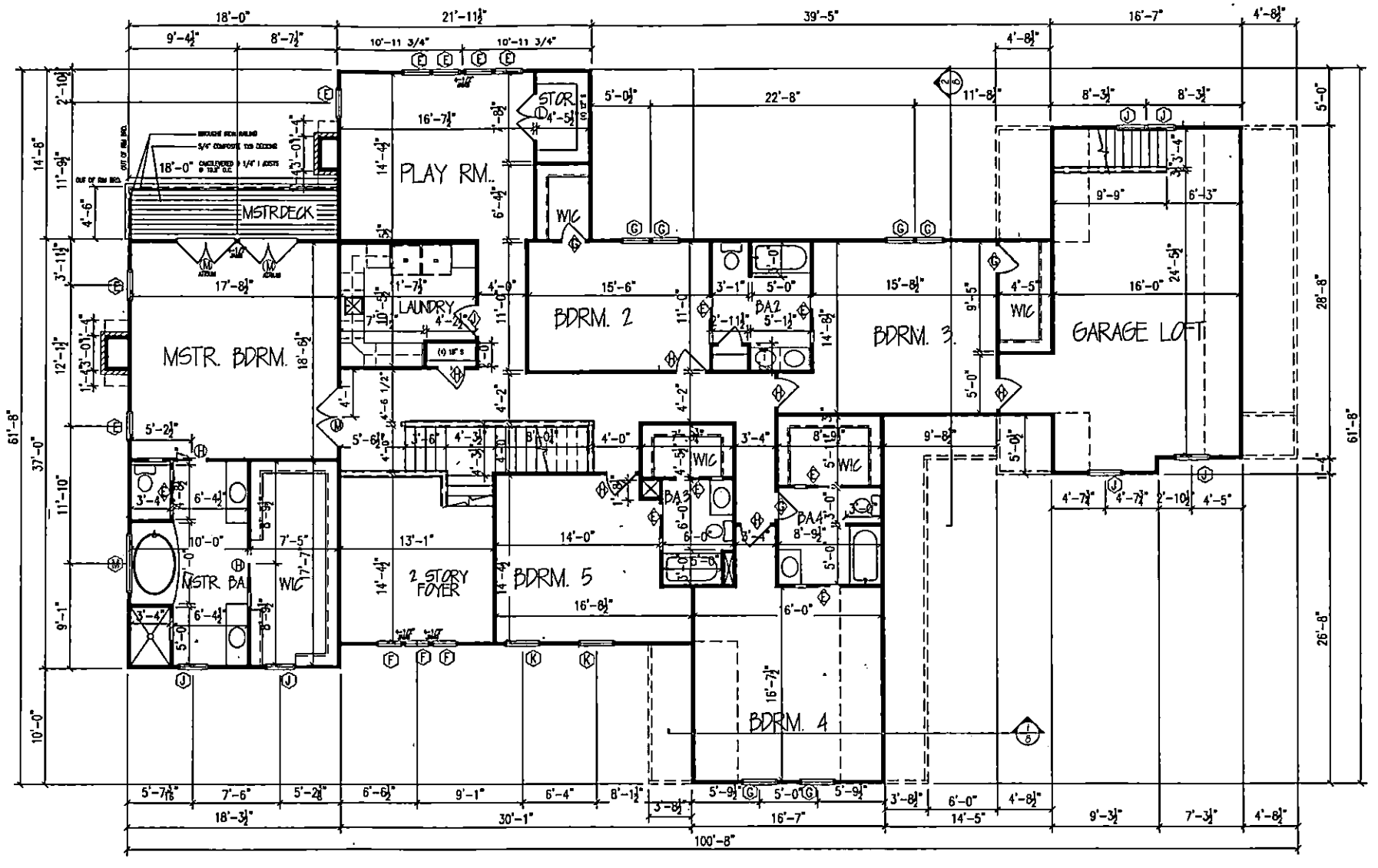


MAIN LEVEL FLOOR PLAN

SCALE: ⅛" = 1'-0"

2	11-28-13	BRITT RESIDENCE
	BEAN	MAIN LEVEL FLOOR PLAN

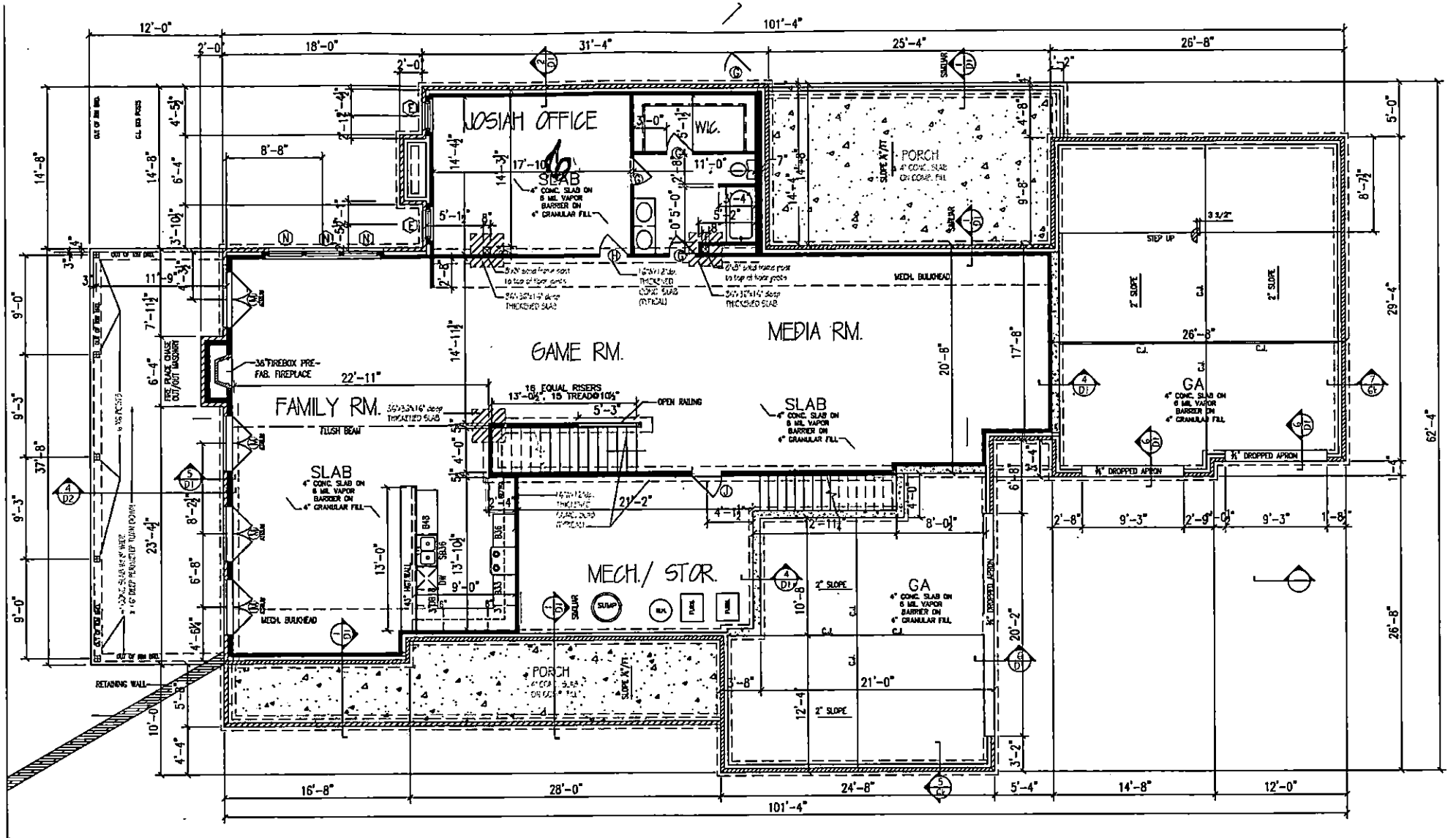
JCBHome Designs
CHARLOTTE NC 704-910-4005



UPPER LEVEL FLOOR PLAN

SCALE: ⅛" = 1'-0"

SHEET	DATE	BRITT RESIDENCE	JCBHome Designs
3	11/28/13	UPPER LEVEL FLOOR PLAN	CHARLOTTE NC 704-910-6005
	DRAWN BY: BEAN		



LOWER LEVEL FOUNDATION/FLOOR PLAN

SCALE: ⅛" = 1'-0"

SHEET NO.	DATE	BRITT RESIDENCE	JCBHome Designs
1	11/28/13	FOUNDATION / LOWER LEVEL FLOOR PLAN	COPYRIGHT 2013 CHARLOTTE NC, 704-910-6005
	DRAWN BY: BEAN		

NOTE:

SEE MANUFACTURERS DRAWING FOR FLOOR JOIST LAYOUT

TRUSS NOTES

1. TRUSS SPACING TO BE 24"O.C. UNLESS OTHERWISE NOTED
2. SEE ELEVATIONS FOR PITCH REQUIREMENTS
3. SEE WALL SECTIONS FOR RAKE & EAVE OVERHANG
4. SEE ELEVATIONS FOR WALL & WINDOW HGT. SPECS.
5. ALL CORNER SETS TO BE FRAMED BY OTHERS
6. ALL 2X2 MATL. TO BE SUPPLIED BY OTHERS
7. SPECIES OF WOOD TO BE EITHER STP OR SPF
8. LOADING AS FOLLOWS:
   TC LIVE LOAD = 20 PSF
   TC DEAD LOAD = 10 PSF
   BC LIVE LOAD = 0.00
   BC DAED LOAD = 10 PSF
9. DESIGN CRITERIA TPI
10. DESIGN DESCRIPTION NCRC 2012

ENGINEERING NOTES:

(1) All Exterior And Interior Load Bearing Headers Shall Be (2)2x6's #2 S.Y.P. Or Better U.N.O.

(2) All Headers Shall Be Supported With A Minimum of (1) Jack & (1) King Stud U.N.O.

(3) All Non-Load Bearing Headers Per Code

(4) Header Notation:
   S.Y.P. = Southern Yellow Pine
   S.P.F. = Spruce Pine Fir

(5) Roof Truss structural design for exterior wall bearing only. Consult with engineer of record should interior support be necessary.

GENERAL NOTES:

1. SEE ELEVATIONS FOR CEILING HEIGTS.
2. ALL INTERIOR NON LOAD BRG WALLS TO BE 2x4 STUDS 24" O.C.
3. WINDOWS TO BE VINYL SINGLE-HUNG, SIZE AS INDICATED BY NUMBER ON PLAN (SEE WINDOW SCHEDULE)
4. DIMENSIONS ARE FROM FACE OF STUDS.
5. PROVIDE BLOCKING ABOVE WINDOWS & DOORS 16"O.C. TYP.
6. PROVIDE EXTRA STUDS AS INDICATED AT BEAM BEARING LOCATIONS.
7. ALL WINDOW HT. TO BE MIN. 84" ABOVE FLOOR UNLESS OTHERWISE NOTED
8. PROVIDE DOUBLE CRIPPLES UNDER HEADERS FOR BEARING AT OPENINGS 6'-0" WIDE AND GREATER
10. 16" O.C. STUDS AT KITCHEN WALLS W/ CABINETS.
11. GARAGE TO HOUSE DOOR TO 20 MIN. RATED PER R302.5.1
12. MIN 5/8" TYPE X DRYWALL ON HOUSE TO GARAGE WALL & ON GARAGE CEILING. 1/2" DRYWALL ON EXT. GARAGE WALLS.
13. WHERE OPERABLE WINDOWS ARE MORE THAN 72" ABOVE GRADE, THE LOWEST PART OF THE CLEAR OPENING SHALL BE A MIN. OF 24" OFF FIN OPERABLE SECTIONS OF THE WINDOW SHAL NOT ALLOW A SPHERE OF 4" TO PASS THROUGH WHERE THE SILL IS LESS THAN 24" TO FIN. FLR PER SECT. R312.2

GENERAL FRAMING SPECIFICATIONS

THESE PLANS HAVE BEEN DESIGNED TO MEET THE INTENT OF SECTION R602.10.4 OF THE 2012 NCRC, AND IN ACCORDANCE W/ ACCEPTED ENGINEERING PRACTICE AS ALLOWED BYB SECTION 301.1.3, WHICH ALLOWS FOR DEVIATIONS FROM PRESCRIPTIVE REQUIREMENTS OF THE NCODE WHEN AN ENGINEER DESIGNS THE SYSTEMS. THE LOADS WERE CALCULATED PER ASCE 7 AND THE INTERNATIONAL BUILDING CODE. NO REVISIONS WERE MADE TO INTERNAL BRACED WALL LINES WHILE THE EXTERIOR BRACED WALL LINES WERE STRENGTHENED TO RESIST THE REQUIRED LOADS. THE O.S.B. PANEL BRACES ARE DETAILED TO PROVIDE RESISTANCE THAT IS GREATER THAN THE METHODS DETAILED IN THE NCRC FOR BRACED WALL PANELS AND IS ADEQUATE TO RESIST THE LOADS CALCULATED FROM ASCE 7.

1. ALL EXTERIOR FACES ARE TO BE CONTINUOUSLY SHEATHED W/ 7/16" O.S.B. NAILED W/ MINIMUM 6D COMMON NAILS @ 6" O.C. PERIMETER, AND 12" O.C. IN THE FIELD.
2. ALL GABLES ARE TO BE CONTINUOUSLY SHEATHED W/ 7/16" O.S.B. NAILED W/ MINIMUM 8D COMMON NAILS @ 12" O.C.
3. ALL GARAGE FRONTS ARE TO BE CONTINUOUSLY SHEATED W/ 7/16" O.S.B. AND FRAMED IN ACCORDANCE W/ DETAIL 10.2.
4. ALL EXTERIOR FIREPLACES STACKS ARE TO BE CONTINUOUSLY SHEATHED W/ 7/16" O.S.B., NAILED W/ MIN. 8D COMMON NAILS @ 6" O.C. PERIMETER, 12" O.C. IN THE FIELD.
5. WEATHER RESISTIVE BARRIER BEHIND SIDING PER SECT. R703.2
6. WHERE THE PROPERTY LINE IS LESS THAN 10' FROM BLDG. FACE & SOFFIT MATL. IS VINYL OR ALUMINUM, THE SOFFIT MATL. SHALL BE SECURED TO FRAMING MEMBERS W/ UNDERLAYMENT MATL. OR EITHER FIRE RETARDANT TREATED WOOD, 5/8" WOOD SHEATHING, OR 5/8" CTB BRD. VENTING REQUIRES SHALL APPLY TO BOTH SOFFIT & UNDERLAYMENT PR SECT. R806.
7. PROVIDE REQUIRED SINGLE UNDERLAYMENT OVER ROOF SHEATHING PER SECT. 905
8. ADD SHEETS 7/16" OSB TO BE NAILED W/10d NAILS @ 4" O.C. @ PERIMETER, 12"O.C. IN THE FIELD.

WINDOW SCHEDULE

FOLLA WINDOW SIZES SHOWN BELOW MATCH AS REQUIRED FOR ALTERNATE MANUFACTURES

(A)	2520
(B)	2517 TEMPERED
(C)	3777
(D)	2527
(E)	2965
(F)	2571 FIXED
(G)	3758
(J)	2585
(K)	3795
(L)	2525 FIXED
(M)	2947 FIXED
(N)	2947

DOOR SCHEDULE

SEE ROUGH OPENING GUIDE FOR DOOR FRAMING SIZE

MARK	SIZE(WIDTH)
A	1'-0"
B	1'-4"
C	1'-6"
D	1'-8"
E	2'-0"
F	2'-4"
G	2'-6"
H	2'-8"
J	3'-0"
K	4'-0"
L	5'-0"
M	5'-4"
N	6'-0"

TYPE	SIZE(HEIGHT)
SID.	6'-11"
BF	6'-10"
BP	6'-11"

(K)	LOAD BEARING DOOR
(X)	NON-LOAD BEARING DOOR (NO JACKS UNDER HDR.)

FIRST FLOOR HEATED AREA= 2686 S.F.
SECOND FLOOR HEATED AREA= 3249 S.F.
TOTAL= 5935 S.F.
GARAGE= 1353 S.F.
BASEMENT = 2591 S.F.
PATIO = 365 S.F.
FRONT PORCH= 307 S.F.

SHEET NO: 4

DATE: 11/28/13

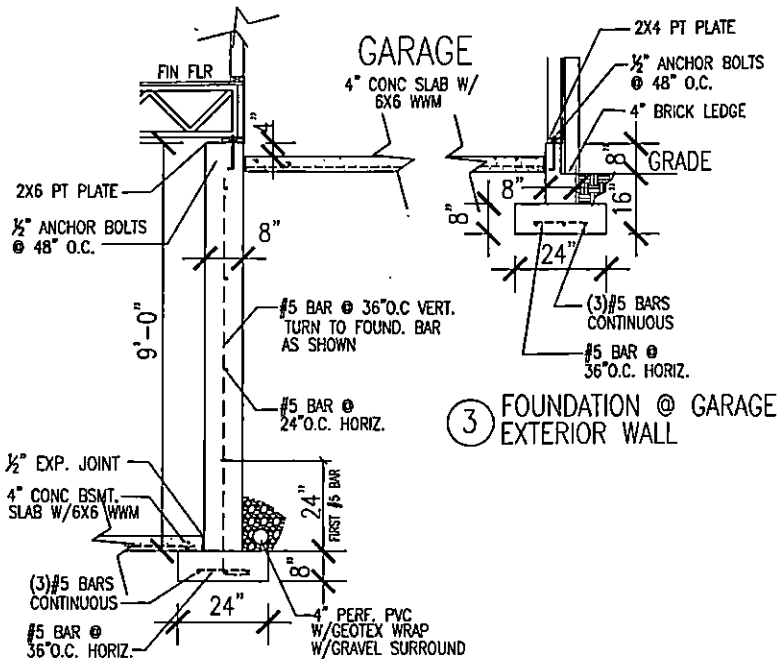
DRAWN: BEAN

BRITT RESIDENCE

WINDOW / DOOR SCHEDULE, AREA COMPUTATIONS

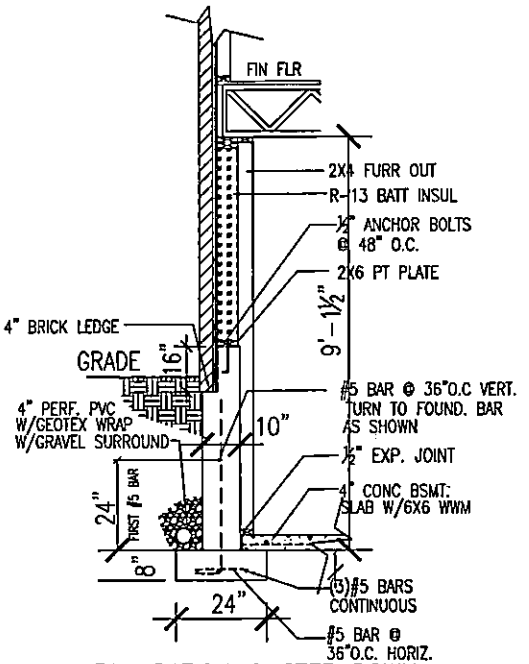
JCBHome Designs
CHARLOTTE NC 704-910-1005

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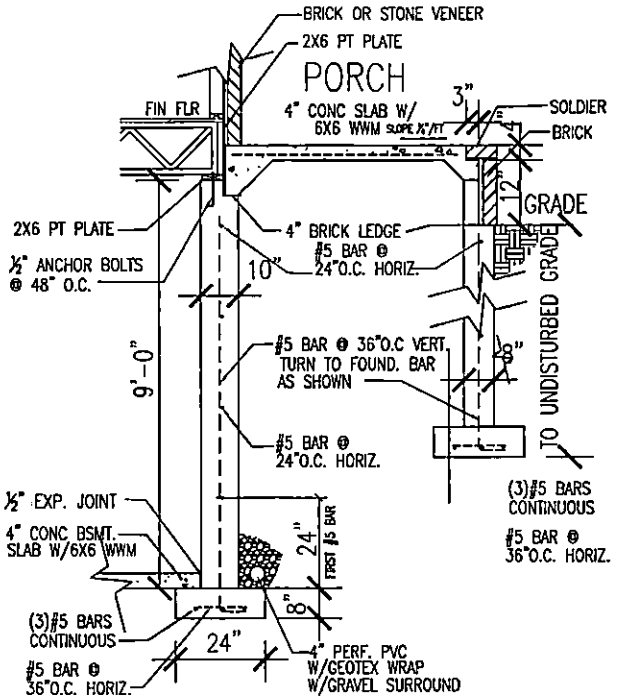


3 FOUNDATION @ GARAGE EXTERIOR WALL

4 FOUNDATION @ GARAGE INTERIOR WALL



2 FOUNDATION @ STEP DOWN FOUNDATION WALL



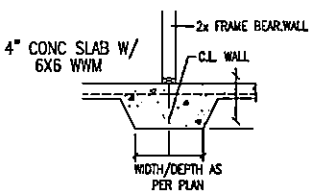
1 FOUNDATION @ PORCH DETAIL

MASONRY SPECIFICATIONS

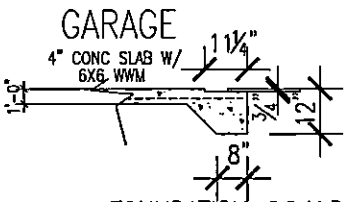
1. CORROSION RESISTANT 22 GA. TIES 7/16"x6" LONG, SPACED @ 24" MAX. HORIZONTAL, NOT TO EXCEED 2.67 SQFT. WALL AREA
2. WEEP HOLES TO BE PLACED @ EVERY OTHER HEAD JOINT ON THE BOTTOM COURSE OF BRICK RUNS.
3. POLY DRAPE TO EXTEND MIN. 2" BUILDING WRAP
4. TYPE "S" MORTAR FOR ALL LOAD BEARING BRICK CONDITIONS.

GENERAL SPECIFICATIONS

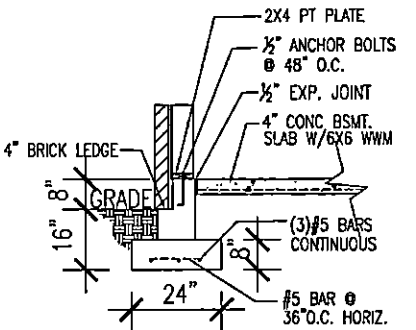
1. FOOTING WIDTHS ARE BASED ON 2000 PSF SOIL BEARING CAPACITY AND TABLE R401.4.1, 2012 NCRC
2. MAS/MAB ANCHORS SPACED MAX. 7' O.C., LOCATED WITHIN 12" OF ALL CORNERS, & EMBEDED MIN. 7" PER R403.1.6
3. MAS/MAB ANCHORS INSTALLED PER MANUFACTURERS SPECS., MAB 33" MAX.



7 THICKENED SLAB DETAIL

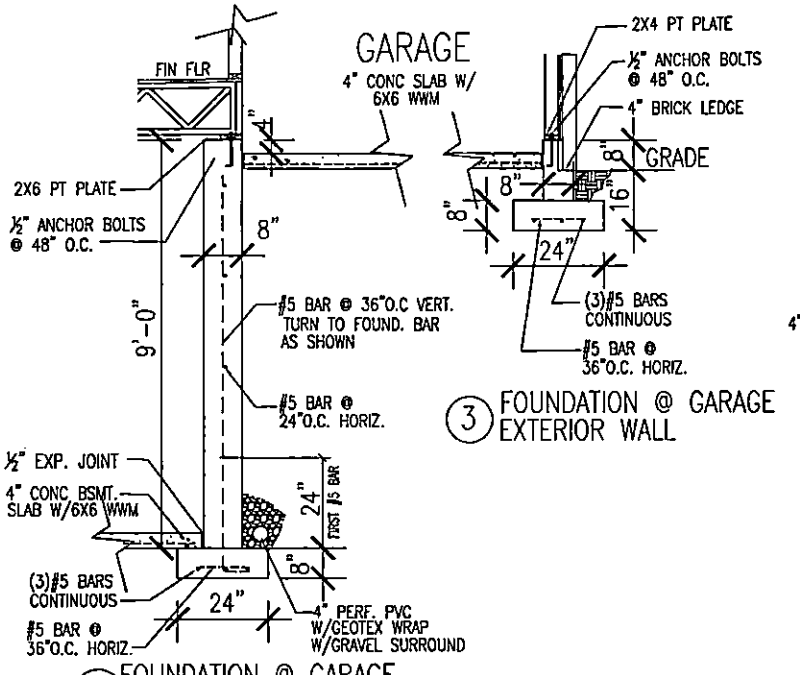


6 FOUNDATION @O.H.D. OPENING



5 FOUNDATION @ WALKOUT DETAIL

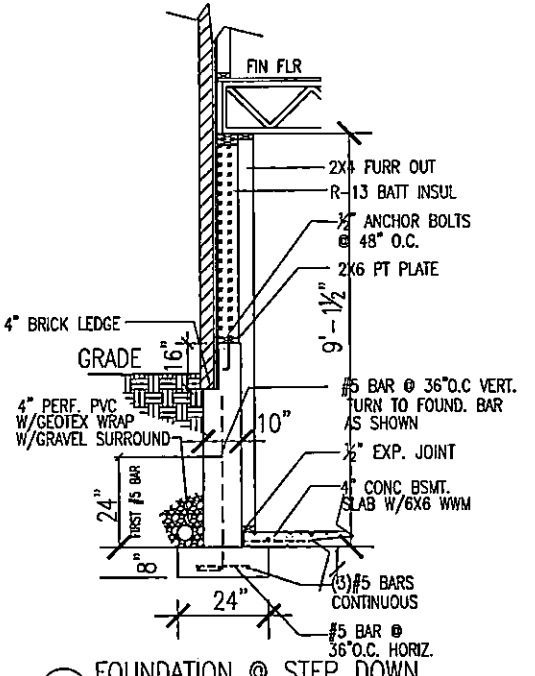
SHEET NO. D1	DATE 11/28/13	BRITT RESIDENCE	JCBHome Designs
	DRAWN BEAN	FOUNDATION DETAILS	COPYRIGHT 2013 CHARLOTTE NC 704-910-6005



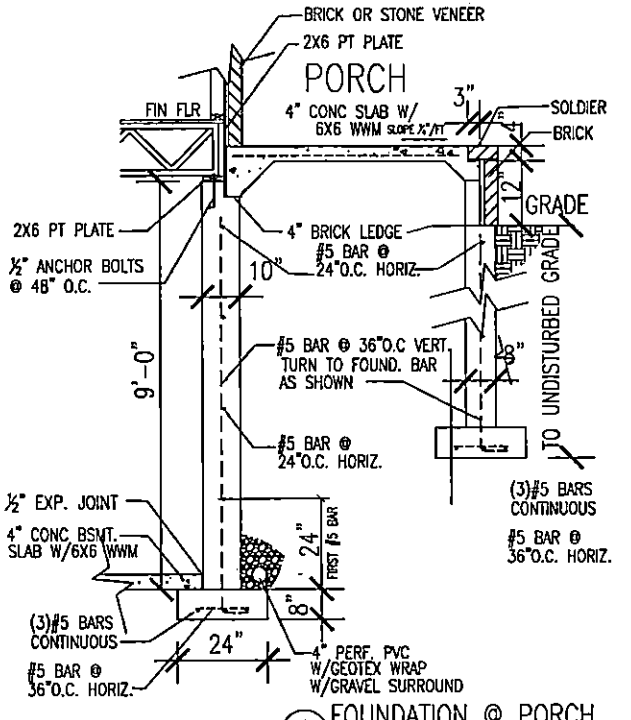
3 FOUNDATION @ GARAGE EXTERIOR WALL



4 FOUNDATION @ GARAGE INTERIOR WALL



2 FOUNDATION @ STEP DOWN FOUNDATION WALL



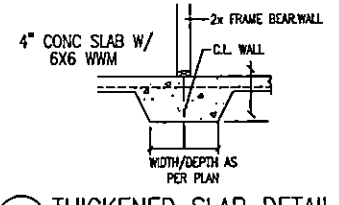
1 FOUNDATION @ PORCH DETAIL

MASONRY SPECIFICATIONS

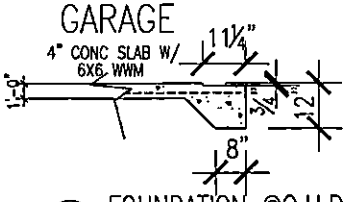
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2. WEEP HOLES TO BE PLACED @ EVERY OTHER HEAD JOINT ON THE BOTTOM COURSE OF BRICK RUNS.
3. POLY DRAPE TO EXTEND MIN. 2" BUILDING WRAP
4. TYPE "S" MORTAR FOR ALL LOAD BEARING BRICK CONDITIONS.

GENERAL SPECIFICATIONS

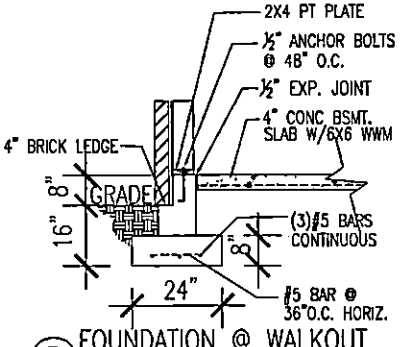
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2. MAS/MAB ANCHORS SPACED MAX. 7' O.C., LOCATED WITHIN 12" OF ALL CORNERS, @ IMBEDED MIN. 7" PER R403.1.6
3. MAS/MAB ANCHORS INSTALLED PER MANUFACTURERS SPECS., MAB 33" MAX.



7 THICKENED SLAB DETAIL

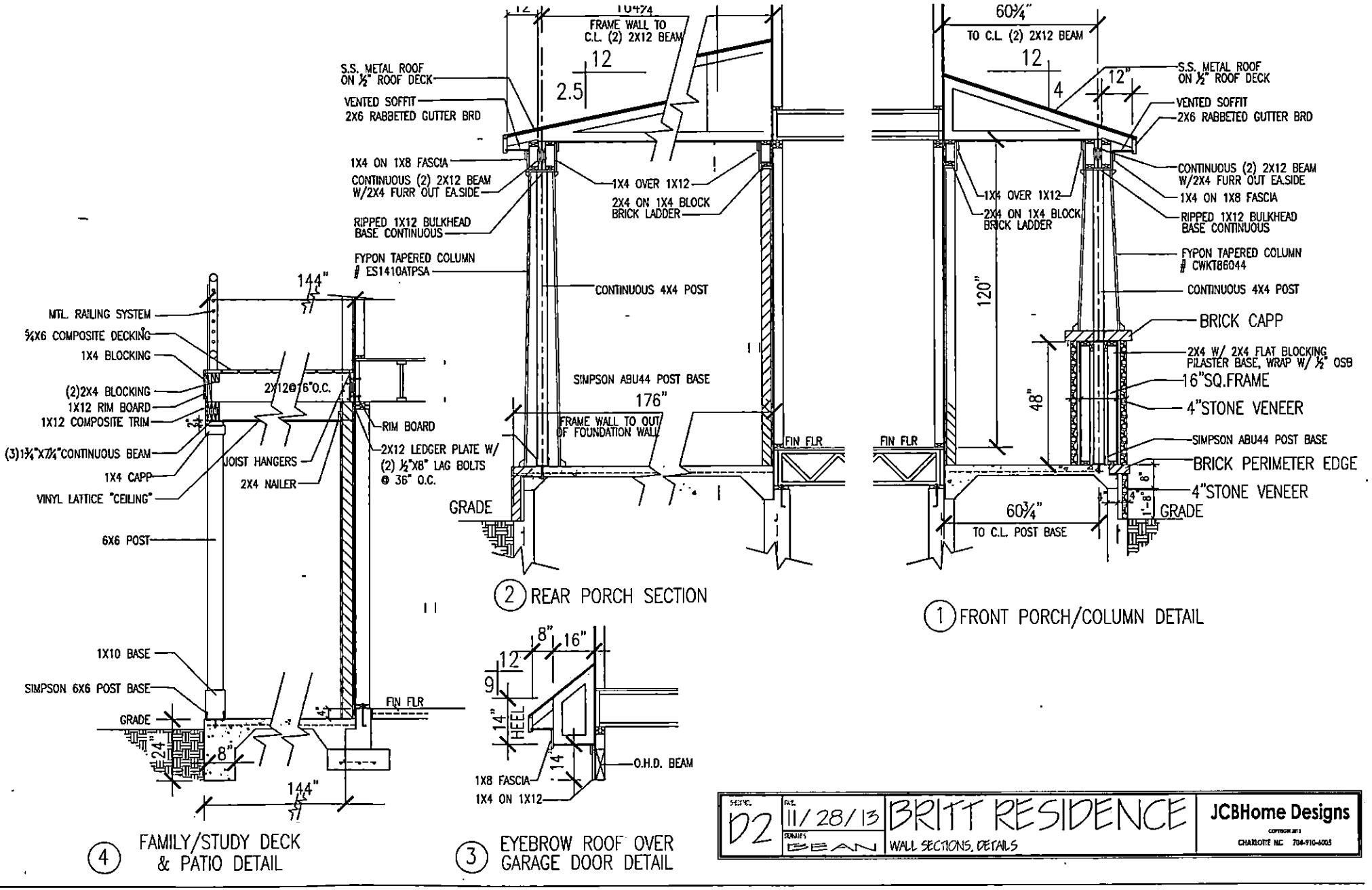


6 FOUNDATION @O.H.D. OPENING



5 FOUNDATION @ WALKOUT DETAIL

SHEET NO. D1	DATE 11/28/13	BRITT RESIDENCE	JCBHome Designs
	DRAWN BEAN	FOUNDATION DETAILS	COPYRIGHT 2013 CHARLOTTE NC 704-910-4005



SHEET NO.	DATE	BRITT RESIDENCE	JCBHome Designs
D2	11/28/13	WALL SECTIONS, DETAILS	CHARLOTTE NC 704-910-6005
	DRAWN BY BEAN		