

13846 PAVILION ESTATES DR

01924301

1/10/2008

duponbj

Groundwater and Wastewater Services File Imaging Project
May 2007
Barcode Font = IDAutomationHC39M

Supervisor/Administrative Professional Checklist

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

New Septic Fees Paid:

IP ($250.00) _____ Initials/Date

CA ($200.00) _____ Initials/Date

OP ($200.00) _____ 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

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

Septic file completed. ☑ JAM _____ Well file completed. ☐ _____ _____

Send permit for signature. ☐ Signature received. ☐ _____

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

Certified operator contract is on file. ☐ _____

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	11/19/15	**Amount:**	200.00
Receipt #:	96807	**Tendered:**	200.00
Check / Auth #:	CHARGE	**Returned:**	0.00
Received By:	ELLISLW		

Account Information

Account #: X44709
Contractor: LIVE WELL HOMES LLC
Attn:
Address: 501 SPRINGCREST DR
Address:
City/State/Zip: FORT MILL, SC 29715

Item	Description	Permit#	Quantity	Unit Price	Total Price
0734	Septic Construction Authorizat 13846 PAVILION ESTATES DR		1	200.00	200.00

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

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
9,626.39					

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date: 11/19/15
Receipt #: 96806
Check / Auth #: CHARGE
Received By: ELLISLW

Amount: 200.00
Tendered: 200.00
Returned: 0.00

Account Information

Account #: X44709
Contractor: LIVE WELL HOMES LLC
Attn:
Address: 501 SPRINGCREST DR
Address:
City/State/Zip: FORT MILL, SC 29715

Item	Description	Permit#	Quantity	Unit Price	Total Price
0703	Septic Operational Permit 13846 PAVILION ESTATES DR		1	200.00	200.00

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

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
9,426.39					

Ellis, Loretta

From: Cindy Hafer <chafer@livewellhomes.net>
Sent: Thursday, November 19, 2015 8:41 AM
To: Ellis, Loretta
Subject: 13846 Pavilion Estates Dr
Attachments: PV24 3703 Gavin D Brick Front 3-Car Side Ld Crawl SEALED.pdf

Good morning Loretta, will you please apply the $400 fee for Septic to our Live Well Account- X44709 and release this one so that permit can be approved.
Plans attached. Please let me know if there is anything else you may need.

Thank you,

Cindy Hafer
Permit Coordinator
Live Well Homes, LLC
chafer@livewellhomes.net
803-984-6611

6644B

6644B

S

FEE: 200.00
DATE:11/19/2015

MECKLENBURG COUNTY
GROUNDWATER & WASTEWATER SERVICES

FILE NUMBER: 6644B

PERMIT NUMBER: 30001085

PARCEL NUMBER: 01924301

JOB LOCATION INFORMATION

ADDRESS: 13846 PAVILION ESTATES DR

CITY: HUNTERSVILLE **STATE: NC** **ZIP:** 28078

ISSUED TO: SIMONINI BUILDERS

CONSTRUCTION AUTHORIZATION ISSUANCE DATE: 11/19/2015

CONSTRUCTION AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NUMBER 30001085, AND THE ATTACHED SITE PLAN WITH SYSTEM DETAILS. CONSTRUCTION AND INSTALLATION MUST ALSO MEET ALL REQUIREMENTS SET FORTH IN THE RULES GOVERNING SANITARY SEWAGE COLLECTION, TREATMENT, AND DISPOSAL AND ANY OTHER APPLICABLE RULES AND LAWS.

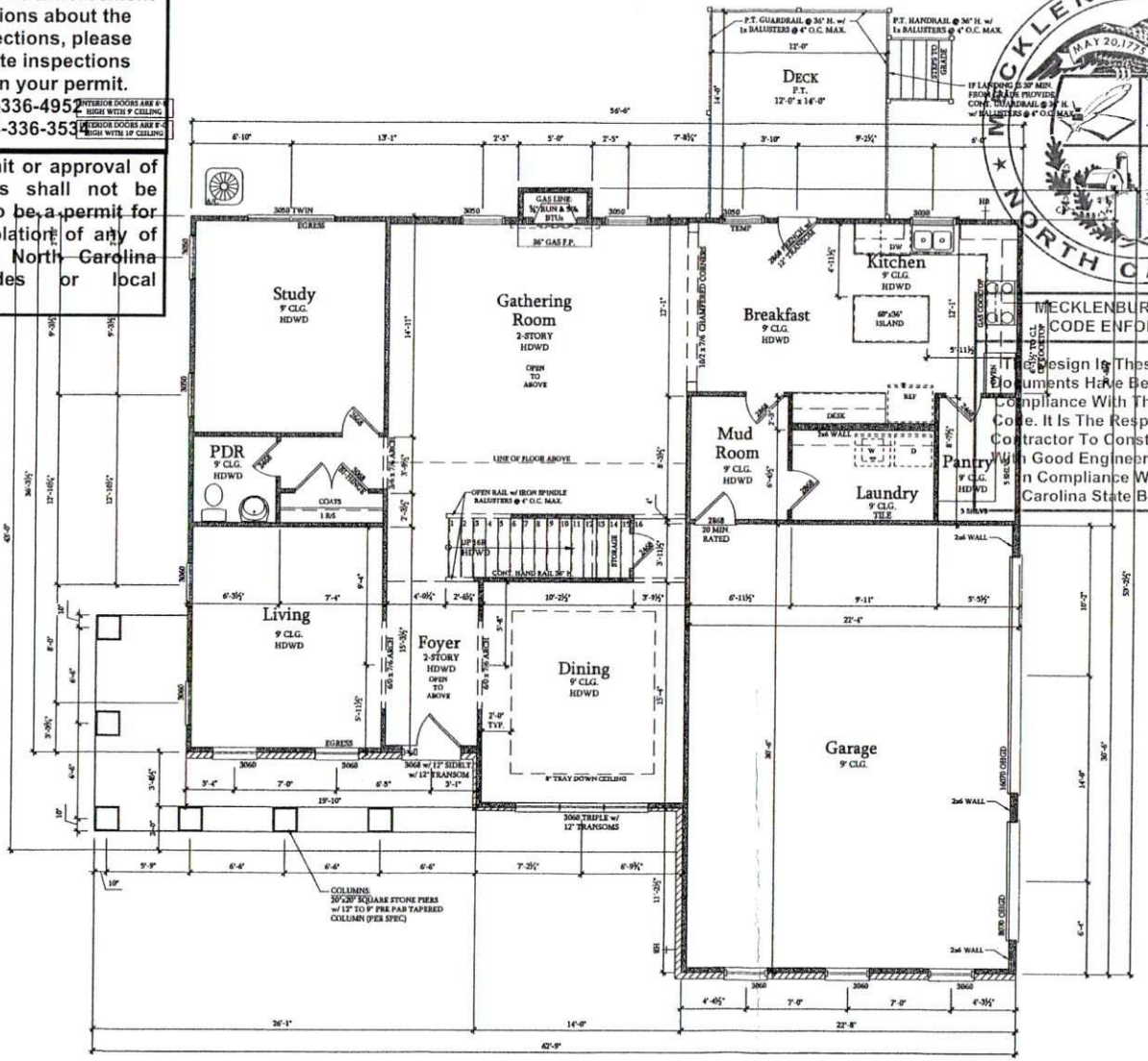
2. A PRE-CONSTRUCTION MEETING MUST BE SECURED PRIOR TO INSTALLATION OF THE SEPTIC TANK SYSTEM. THE INSTALLER OF THE SYSTEM SHALL BE A LICENSED SEPTIC TANK CONTRACTOR WITH THE NORTH CAROLINA ONSITE WASTEWATER CONTRACTOR INSPECTOR CERTIFICATION BOARD.

3. ANY ALTERATION IN SITE OR SOIL CONDITIONS (INCLUDING LOCATION OF STRUCTURES AND APPURTENANCES) OR MODIFICATION IN USE, DESIGN WASTEWATER FLOW, OR WASTEWATER CHARACTERISTICS AS SPECIFIED IN THE ASSOCIATED IMPROVEMENT PERMIT AND APPLICATION, MAY SUBJECT THIS CONSTRUCTION AUTHORIZATION AND ASSOCIATED PERMIT(S) TO REVOCATION.

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

Building review approved by
William Whaley
Building Plans Examiner
Mecklenburg County Code Enforcement
If you have any questions about the required type of inspections, please contact the appropriate inspections team which is listed on your permit.
North Team, 704-336-4952
South Team, 704-336-3531

The issuance of a permit or approval of plans or specifications shall not be deemed or construed to be a permit for an approval of any violation of any of the provisions of the North Carolina State Building Codes or local ordinances.



FIRST FLOOR PLAN
SCALE 1/4" = 1'-0"

MECKLENBURG COUNTY
CODE ENFORCEMENT
The Design In These Construction Documents Have Been Reviewed For Compliance With The State Building Code. It Is The Responsibility Of The Contractor To Construct This Project With Good Engineering Practice And In Compliance With The North Carolina State Building Code.

MECKLENBURG COUNTY NORTH CAROLINA
MAY 20, 1775

DO NOT SCALE DRAWINGS
For Dimensions not shown contact plan designer for clarification

THESE PLANS ARE THE PROPERTY OF LIVE WELL HOMES, LLC. AND MAY NOT BE REPRODUCED, CHANGED OR COPIED WITHOUT THE EXPRESSED WRITTEN CONSENT OF LIVE WELL HOMES, LLC., NOR ARE THEY TO BE ASSIGNED TO A THIRD PARTY WITHOUT OBTAINING SAID WRITTEN CONSENT.

Revisions:	
date:	revised by:
8-8-XX	X

GENERAL NOTES

1. CONTRACTOR TO VERIFY ALL DIMENSIONS.
2. DO NOT SCALE DIMENSIONS FROM PRINTS. USE DIMENSIONS GIVEN OR CONSULT DESIGNER FOR FURTHER CLARIFICATION.
3. PROVIDE WINDOW FALL PREVENTION PER IRBC 2012 SECTION R612
4. PROVIDE NOT LESS THAN 5/8" TYPE X GYP. BOARD OR EQUIV. PER SECTION & TABLE R302.6 DWELLING/GARAGE SEPARATION OF THE IRBC 2012
5. SEE ELEVATION SHEETS FOR WINDOW HEADER HEIGHT.
6. ALL ANGLED WALLS ARE AT 45 DEGREES UNLESS NOTED OTHERWISE.
7. WALL OPENINGS TO BE GYP. BOARD RETURN U.N.O.
8. SEE DETAIL SHEET FOR ARCHED & SHEET ROCK OPENING DETAILS.
9. SEE FIRST FLOOR FRAMING AND/OR ROOF FRAMING SHEETS FOR BEAM SIZE/LOCATION AND HEADER SCHEDULE.
10. VERIFY INTERIOR BEARING WALL LOCATION WITH TRUSS ENGINEERING PROVIDED BY TRUSS MANUFACTURER.

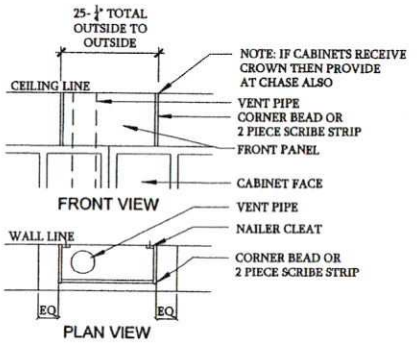
WALL & SYMBOL LEGEND

- TYP. FRAME WALL
- INTERIOR BEARING WALL
- HALF WALL
- EXTERIOR WALL w/ BRICK VENEER
- EXTERIOR WALL w/ STONE VENEER

SQUARE FOOTAGE TABLE

BASE PLAN ELEVATION

FIRST FL. LIVING:	1765 s.f.
SECOND FL. LIVING:	2004 s.f.
TOTAL LIVING:	3769 s.f.
GARAGE:	685 s.f.
FRONT PORCH/COVERED ENTRY:	199 s.f.
DECK:	168 s.f.



VENT PIPE CHASE FOR GAS COOKTOP
SCALE N.T.S.

Pavillion Lot 24

3703-Gavin D

LiveWell Homes
THE BEST THINGS IN LIFE BUILT INTO YOUR HOME

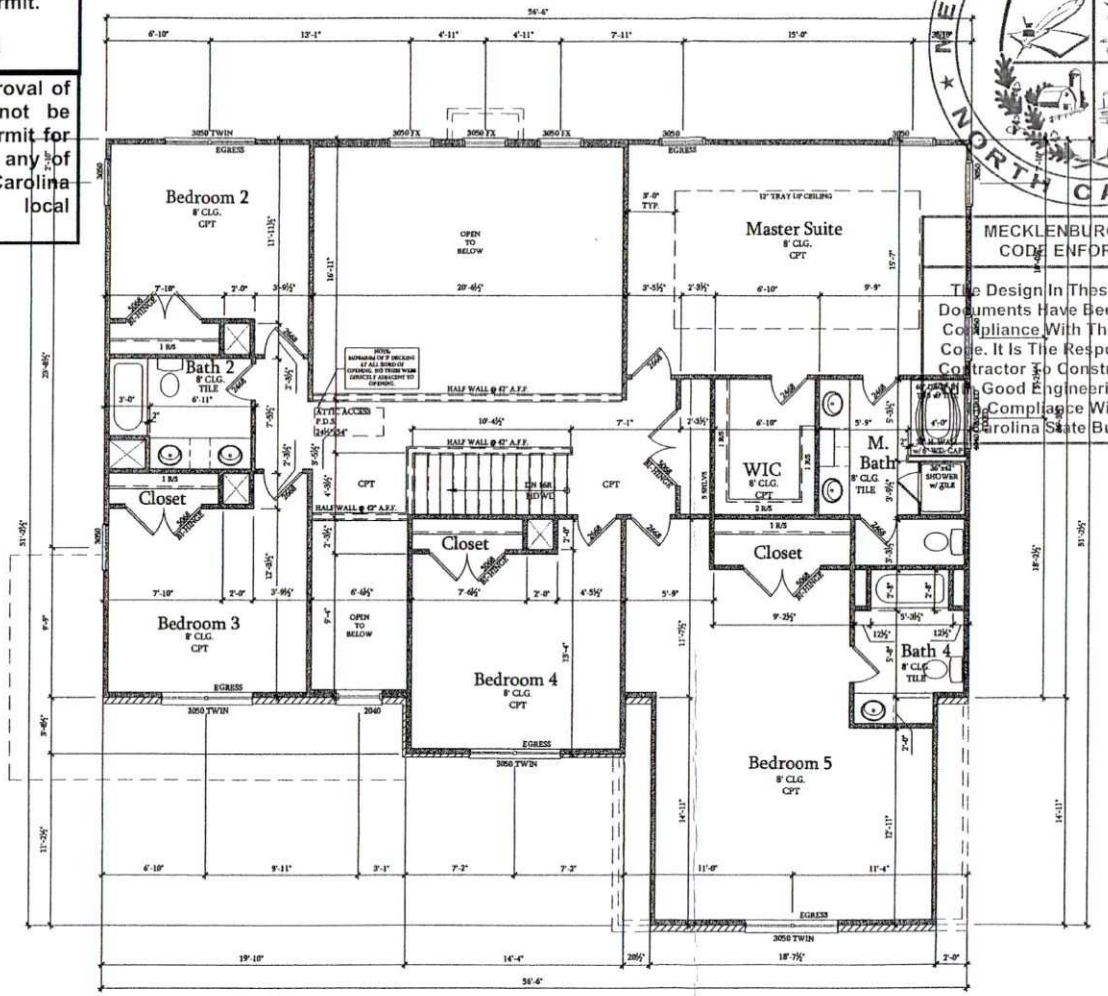
501 Springcrest Drive
Fort Mill, SC 29715

designed by:	CBG
drawn by:	CBG
checked by:	CBG
date:	x/xx/12

A-3.0
FIRST FLOOR PLAN

Building review approved by
William Whaley
Building Plans Examiner
Mecklenburg County Code Enforcement
If you have any questions about the required type of inspections, please contact the appropriate inspections team which is listed on your permit.
North Team, 704-336-4952
South Team, 704-336-3534

The issuance of a permit or approval of plans or specifications shall not be deemed or construed to be a permit for an approval of any violation of any of the provisions of the North Carolina State Building Codes or local ordinances.



SECOND FLOOR PLAN

MECKLENBURG COUNTY
CODE ENFORCEMENT

The Design In These Construction Documents Have Been Reviewed For Compliance With The State Building Code. It Is The Responsibility Of The Contractor To Construct This Project In Good Engineering Practice And In Compliance With The North Carolina State Building Code.

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DO NOT SCALE DRAWINGS
For dimensions not shown contact your contributor for clarification

revisions:	
date:	revised by:
X-X-XX	X

GENERAL NOTES

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2. DO NOT SCALE DIMENSIONS FROM PRINTS. USE DIMENSIONS GIVEN OR CONSULT DESIGNER FOR FURTHER CLARIFICATION.
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4. PROVIDE NOT LESS THAN 5/8" TYPE X GYP. BOARD OR EQUIV. PER SECTION & TABLE R302.6 DWELLING/GARAGE SEPARATION OF THE IRBC 2012
5. SEE ELEVATION SHEETS FOR WINDOW HEADER HEIGHT.
6. ALL ANGLED WALLS ARE AT 45 DEGREES UNLESS NOTED OTHERWISE.
7. WALL OPENINGS TO BE GYP. BOARD RETURN U.N.O.
8. SEE DETAIL SHEET FOR ARCHED & SHEET ROCK OPENING DETAILS
9. SEE FIRST FLOOR FRAMING AND/OR ROOF FRAMING SHEETS FOR BEAM SIZE/LOCATION AND HEADER SCHEDULE
10. VERIFY INTERIOR BEARING WALL LOCATION WITH TRUSS ENGINEERING PROVIDED BY TRUSS MANUFACTURER.

WALL & SYMBOL LEGEND

- TYP. FRAME WALL
- INTERIOR BEARING WALL
- HALF WALL
- EXTERIOR WALL w/ BRICK VENEER
- EXTERIOR WALL w/ STONE VENEER

Pavillion Lot 24
3703-Gavin D

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THE BEST THINGS IN LIFE BUILT INTO YOUR HOME

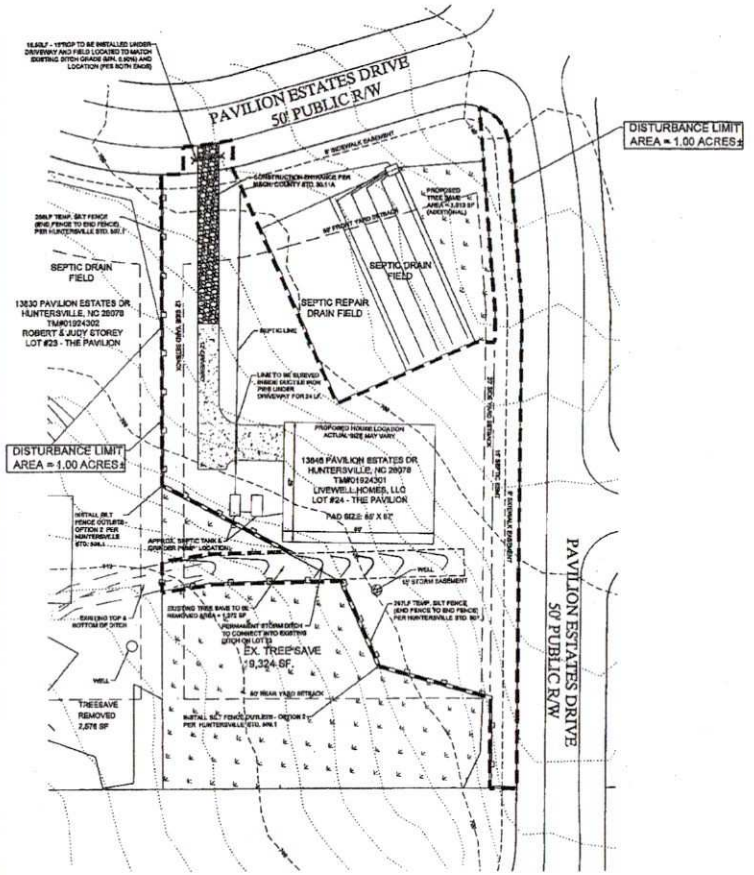
501 Springcrest Drive
Fort Mill, SC 29715

designed by:	CBG
drawn by:	CBG
checked by:	CBG
date:	x/xx/12

A-5.0
SECOND FLOOR PLAN

STABILIZATION CHART:

NEW STABILIZATION TIMEFRAMES		
Site Area Description	Stabilization	Timeframe Exceptions
Perimeter dikes, swales, ditches and slopes	7 days	None
High Quality Water (HQW) Zones	7 days	None
Slopes steeper than 3:1	7 days	If slopes are 10' or less in length and are not steeper than 2:1, 14 days are allowed.
Slopes 3:1 or flatter	14 days	7 days for slopes greater than 50' in length.
All other areas with slopes flatter than 4:1	14 Days	None, except for perimeters and HQW Zones.



GRAPHIC SCALE

(IN FEET)
1 inch = 50 ft.

TREE SAVE

EXISTING	- 19,324 SF
REMOVED	- 1,272 SF
ADDED	- 3,013 SF
NET AREA	- 21,065 SF

LOT TO BE REPLATTED TO REFLECT ADJUSTED TREE SAVE AREAS

IMPERVIOUS AREA

PROPOSED	- 8,488 SF (HOUSE PAD & DRIVEWAY)
FUTURE	- 0 SF (N/A AT THIS TIME)
TOTAL	- 8,488 SF

PLAN IS DESIGNED FROM ORIGINAL BUILDING PAD SIZE. AREA FOR ACTUAL HOUSE PLAN IS YET TO BE DETERMINED BUT GENERALLY DOES NOT UTILIZE THIS ENTIRE HOUSE PAD AREA.

BOUNDARY LINES FOR LOT 24 TAKEN FROM RECORD MAP 19 BY THE RECORDED DRAWING OF SUBDIVISION PLAT OF THE PAVILION (MB 49 PG 317) AS PREPARED BY CONCORD ENGINEERING & SURVEYING, INC. AND DATED NOVEMBER 9, 2007.

TOPOGRAPHIC INFORMATION TAKEN FROM MECKLENBURG COUNTY GIS LIDAR, DATED OCTOBER 28, 2007

PARCEL IS NOT SUBJECT TO SPECIAL FLOOD HAZARD CONDITIONS PER FIRM/FIRM PANEL #3710486036J WITH EFFECTIVE DATE OF MARCH 2, 2009.

WATER SUPPLY WATERSHED: CLARKE

POST CONSTRUCTION DISTRICT: YADKIN SOUTHEAST (PROJECT IS EXEMPT)

EROSION CONTROL & WATER QUALITY INSPECTOR:
HEATHER DAVIS - HUNTERSVILLE
(980) 721-3671

LAND DEVELOPMENT INSPECTOR:
TOMMY KEIGHI - CORNELIUS, DAVIDSON, HUNTERSVILLE
(704) 894-6749

ZONING INSPECTOR:
BRIAN SMITH - CORNELIUS, DAVIDSON, HUNTERSVILLE
(980) 721-3681

CONSTRUCTION SEQUENCE:

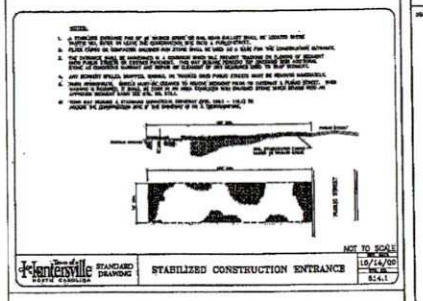
1. OBTAIN GRADING/EROSION CONTROL PLAN APPROVAL FROM THE MECKLENBURG COUNTY LUESA.
2. SET AN ON-SITE PRECONSTRUCTION CONFERENCE WITH THE FOLLOWING DEPARTMENTS: LUESA EROSION CONTROL INSPECTOR, LAND DEVELOPMENT INSPECTOR AND ZONING INSPECTOR. FAILURE TO SCHEDULE SUCH A CONFERENCE 48 HOURS PRIOR TO ANY LAND DISTURBING ACTIVITY IS SUBJECT TO FINE.
3. INSTALL SILT FENCE, INLET PROTECTION, CONCENTRATION OUTLETS, AND OTHER MEASURES AS SHOWN ON PLANS. CLEARING ONLY AS NECESSARY TO INSTALL THESE DEVICES.
4. CALL FOR ON-SITE INSPECTION BY INSPECTOR, ONCE ALL EROSION CONTROL MEASURES HAVE BEEN APPROVED, INSPECTOR REVISES THE GRADING PERMIT AND CLEARING AND GRUBBING MAY BEGIN.
5. THE CONTRACTOR SHALL DILIGENTLY AND CONTINUOUSLY MAINTAIN ALL EROSION CONTROL DEVICES AND STRUCTURES.
6. FOR PHASED EROSION CONTROL PLANS, CONTRACTOR SHALL MEET WITH EROSION CONTROL INSPECTOR PRIOR TO CONSTRUCTING WITH EACH PHASE OF EROSION CONTROL MEASURES.
7. THE LAND DEVELOPMENT INSPECTOR SHOULD BE CALLED TO CONDUCT INSPECTIONS ON STORM DRAINAGE, SIDEWALKS, DRIVE WAY IMPROVEMENTS, AND ALL ASPECTS OF ROAD CONSTRUCTION (INCLUDING PERMANENT BMP INSTALLATION).
8. STABILIZE SITE AS AREAS ARE BROUGHT TO FINISHED GRADE.
9. COORDINATE WITH EROSION CONTROL INSPECTOR PRIOR TO REMOVAL OF EROSION CONTROL MEASURES.
10. ALL EROSION CONTROL MEASURES SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE N.C. EROSION CONTROL AND SEDIMENT CONTROL PLANNING AND DESIGN MANUAL, U.S. DEPARTMENT OF AGRICULTURE, MECKLENBURG COUNTY EROSION CONTROL ORDINANCE, AND THE CHARLOTTE-MECKLENBURG LAND DEVELOPMENT STANDARDS.
11. CALL THE WATER QUALITY INSPECTOR TO SET UP BMP PRE-CONSTRUCTION MEETING PRIOR TO STARTING ANY WORK ON BMPS. THIS MEETING SHOULD TAKE PLACE AT LEAST 48 HOURS PRIOR TO STARTING CONSTRUCTION ON ANY BMP AND SHALL INCLUDE THE DESIGN ENGINEER TO ENSURE THE ENGINEER INSPECTIONS ARE PERFORMED AT KEY BMP INSTALLATION PHASES.
12. THE DESIGN ENGINEER MUST VERIFY AND CERTIFY THE DRAINAGE AREA IS PROPERLY STABILIZED, MEASURES ARE IN PLACE TO PREVENT SEDIMENTATION INTO THE BMP, THE STORM DRAINS, INLETS AND PAVEMENT HAVE BEEN PROPERLY CLEANED PRIOR TO COMMENCEMENT OF BMP CONSTRUCTION.

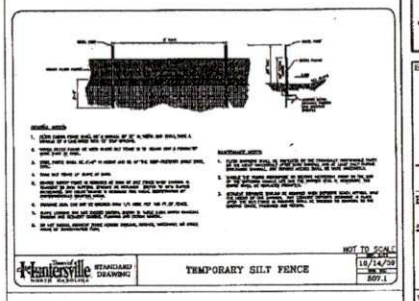
GENERAL NOTES:

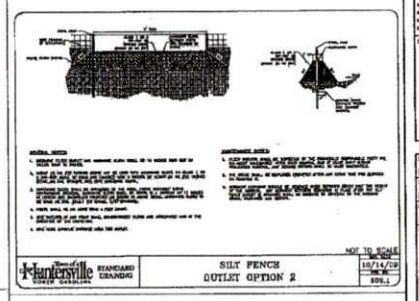
1. ALL EROSION CONTROL MEASURES SHALL CONFORM TO THE STANDARDS SET FORTH IN THE TOWN OF HUNTERSVILLE STANDARDS AND PROCEDURES MANUAL, NORTH CAROLINA EROSION AND SEDIMENT CONTROL, PLANNING AND DESIGN MANUAL, OR THE MORE RESTRICTIVE OF ANY STANDARDS THAT CONFLICT.
2. ALL STORM DRAINAGE DESIGN SHALL CONFORM TO THE STANDARDS AND SPECIFICATIONS AS PROVIDED IN THE CHARLOTTE-MECKLENBURG STORM WATER DESIGN MANUAL, MECKLENBURG COUNTY LAND DEVELOPMENT STANDARDS MANUAL OR THE CDOT RESTRICTIVE OF ANY STANDARDS THAT CONFLICT.
3. IN AREAS WHERE THE FLOODWAY REGULATIONS ARE APPLICABLE, THE FUTURE CONDITIONS FLOOD FRINGE LINE, FEMA FLOOD FRINGE LINE, COMMUNITY ENCROACHMENT LINE, AND FEMA ENCROACHMENT LINE SHALL BE SHOWN ON THE CONCEPT PLAN, PRELIMINARY PLAN AND THE FINAL PLAT. AN APPLICATION FOR A FLOODLAND DEVELOPMENT PERMIT SHALL BE SUBMITTED TO MECKLENBURG COUNTY ENGINEERING IN ACCORDANCE WITH THE REQUIREMENTS SET FORTH IN THE OFFICIOUNTY FLOODWAY REGULATIONS.
4. CITE ALL APPROPRIATE STANDARD DETAIL NUMBERS FOR ANY STRUCTURES OR SPECIFICS USED WITHIN THIS PLANS IN REFERENCE TO THE MOST CURRENT COPY OF THE TOWN OF HUNTERSVILLE STANDARDS AND PROCEDURES MANUAL.

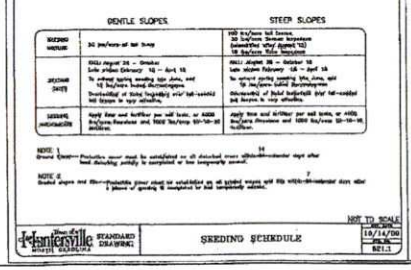
EROSION CONTROL NOTES:

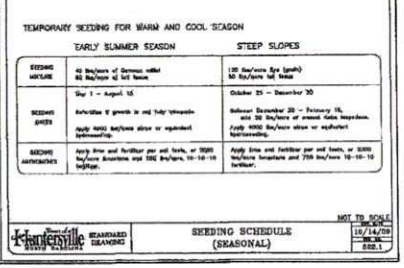
1. ALL "STD." NUMBERS REFER TO THE TOWN OF HUNTERSVILLE STANDARDS AND PROCEDURES MANUAL.
2. ON-SITE BURIAL PITS REQUIRE AN ON-SITE DEMOLITION LANDFILL PERMIT FROM THE ZONING ADMINISTRATOR.
3. ANY GRADING BEYOND THE DISTURBED LIMITS SHOWN ON THIS PLAN IS A VIOLATION OF THE COUNTY EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.
4. GRADING MORE THAN ONE ACRE WITHOUT AN APPROVED EROSION CONTROL PLAN IS A VIOLATION OF THE COUNTY EROSION CONTROL ORDINANCE AND IS SUBJECT TO A FINE.
5. ALL PERIMETER AREAS ARE SLOPES GREATER THAN 3:1 SHALL BE STABILIZED WITHIN 7 DAYS. GROUND STABILIZATION ON ALL OTHER AREAS MUST BE ACHIEVED WITHIN 14 DAYS. REFER TO THE EROSION CONTROL ORDINANCE FOR ADDITIONAL REQUIREMENTS.
6. ADDITIONAL MEASURES TO CONTROL EROSION AND SEDIMENT MAY BE REQUIRED BY A REPRESENTATIVE OF THE COUNTY.
7. SLOPES SHALL BE GRADED NO STEEPER THAN 2:1. FILL SLOPES GREATER THAN 10' REQUIRE ADEQUATE TRAINING (INTERVALLY DETAIL 600.01, 600.2 ENGINEER TO VERIFY STABILITY OF SLOPES STEEPER THAN 3:1).
8. A GRADING PLAN MUST BE SUBMITTED FOR ANY LOT GRADING EXCEEDING ONE ACRE THAT WAS NOT PREVIOUSLY APPROVED.
9. TEMPORARY DRIVEWAY PERMIT FOR CONSTRUCTION ENTRANCES IN NCDOT RIGHT-OF-WAY MUST BE PRESENTED AT PRE-CONSTRUCTION MEETING.
10. ALL EMBANKMENTS MUST BE CONSTRUCTED PER SECTION 4.6.6 EMBANKMENT REQUIREMENTS IN THE BMP DESIGN MANUAL.
11. SOIL COMPACTION TESTS ARE REQUIRED ON ANY SLOPE GREATER THAN OR EQUAL TO 3' IN HEIGHT FROM THE NATURAL GRADE. SOIL COMPACTION MUST BE AT 95% PROCTOR AND CERTIFIED BY LICENSED SOIL ENGINEER (HUNTERSVILLE ONLY).











DATE	ISSUED FOR	REV
05/30/2013	Initial Submittal to LUESA	0

Know what's below. Call before you dig.

Engineer:

R. Joe Harris & Associates, Inc.
Engineering • Land Surveying • Planning
Management

www.rjoeharris.com

This drawing shall not be used for construction purposes until the seal and signature of the responsible registered engineer appears on the drawing, and unless permit dates and related fees are transmitted by the Owner, Owner's Agent or Contractor to the Authority having jurisdiction.

Corporate Seal: NORTH CAROLINA PROFESSIONAL SEAL C-4186 ENGINEERING & SURVEYING CORPORATION

Engineer's Seal: NORTH CAROLINA PROFESSIONAL SEAL 036536 ENGINEER PATRICK L. MURPHY

Project Manager: P. Murphy	Drawn: D. Gates
Department Manager: P. Murphy	Checked: P. Murphy
Print Plot Date: September 9, 2015	

Client:
LiveWell Homes
601 Springcrest Drive
Fort Mill, SC 29715
P: 704-674-0316

Project:
THE PAVILION
Residential Lot 24

Drawing Title:
Invdividual Lot
Erosion Control Plan

Project No.	Drawing No.
1908	EC-1
CWO File Name: 1908_Base	

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

Septic System Pre-Construction Meeting Checklist

File # 66443 App # 1085 Tax Parcel # 019-243-01

Property Owner: Live Well Homes

Job Location Address: 13846 Pavilion Estates Drive

City: Huntersville State: NC Zip Code: 28078

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

   ☒ YES ☐ NO

   Comments: _____

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

   ☒ YES ☐ NO

   Comments: _____

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

   ☒ YES ☐ NO

   Comments: _____

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

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

Kim Garrett, REHS — **Authorized Agent**

6/14/16 — **Date**

Chris Dobbins/Wesson Septic — **Others Present**

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

NC DHHS
Division of Environmental Health
On-Site Wastewater Section

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

File #: 616443 Permit #: 20001085 Tax Parcel #: 019-243-01

Property Owner: Live Well Homes

Job Location Address: 3846 Pavilion Estates Drive

City: Huntersville State: NC Zip Code: 28078

Operation Permit Issuance Date: 6/15/16 Contractor Name: Chris Dobbins #1064

Permitted Design Flow: 600 GPD Liquid Capacity of Dosing Tank: 1500 gallons

Liquid Capacity of Septic Tank: 1500 gallons Manufacture: Liberty 80 ½ HP Effluent Pump Model: _____

Drainfield Installation ☐ N/A

Trench Depth: 30 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 500 feet

# of Lines: 5 @ 100 feet

Depth of Media: 12 inches (Type) Chambers

Depth of Cover: 18 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: >5 feet

Distance from Property Line: >10 feet

Distance from Water Supply Source: >50 feet

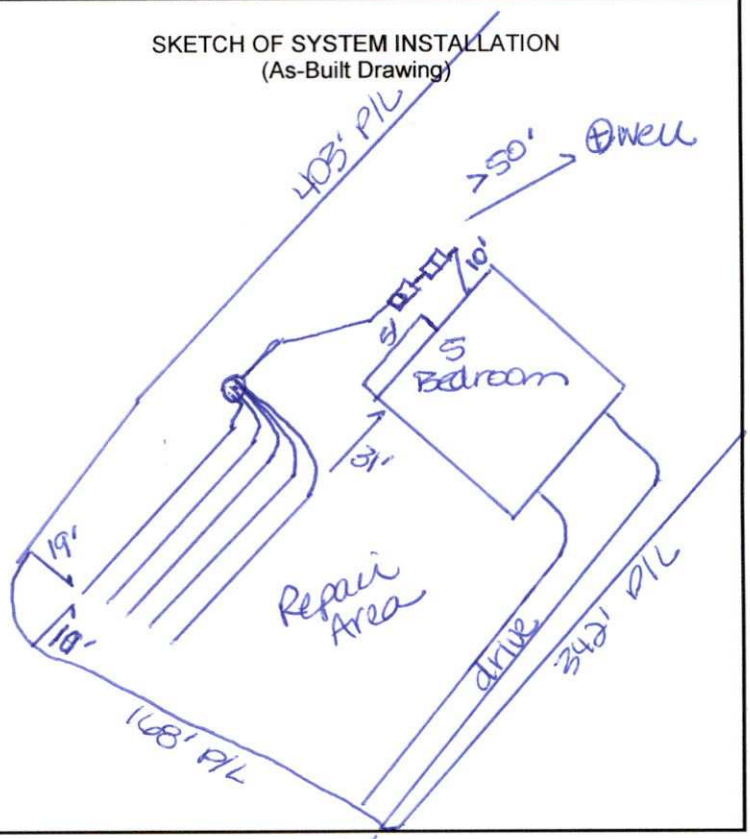
Inspection Dates

Tank(s) Inspected: 6/15/16

Excavation Inspected: 6/14/16

Pump & Controls Inspected: 6/15/16

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: III b, pressure, IQ4, n/a, n/a

DENR Authorized Agent: Kim Garrett, REHS Signature: Kim Garrett, 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 #: 66448 Permit #: 30001085 Tax Parcel #: 019-243-01

Property Owner: LiveWell Homes

Job Location Address: 13846 Pavilion Estates Drive

City: Huntersville State: NC Zip Code: 28078

OPERATION PERMIT CONDITIONS:

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

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

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

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

System Classification: IIIb

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

Subsurface system operator required: Yes ☐ No ☒

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

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

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

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

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

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

V. Other:

DENR Authorized Agent: Kim Garrett, REHS Date: 6/15/16

Signature: Kim Garrett, REHS

GWS – RES. APP 07/05

SEPTIC FEE: 200 + 60 w/ well
DATE: 7/31/06
CRT. I

1085

PERMIT APPLICATION FOR A RESIDENTIAL SITE IMPROVEMENT PERMIT / CONSTRUCTION AUTHORIZATION FOR ON-SITE WASTEWATER SYSTEM NEW WELL INSTALLATION OR REPAIR OF EXISTING WELL MECKLENBURG COUNTY GROUNDWATER & WASTEWATER SERVICES

WELL FEE:
DATE:
CRT. I

FILE # 66468

SEPTIC / TYPE APPLICATION: ☐ NONE ☑ NEW SYSTEM ☐ ALTERATION ☐ REPAIR ☐ MODIFY PLOT PLAN

WELL / TYPE APPLICATION: ☐ NONE ☑ NEW WELL ☐ MAJOR REPAIR ☐ ABANDONMENT

JOB LOCATION INFORMATION:

TAX/PARCEL #: 01924232
STREET ADDRESS: Huntersville - Concord RD
CITY: Huntersville
STATE: NC ZIP:
SUBDIVISION OR MOBILE HOME PARK NAME: The Pavilion
LOT #: 24
TOWNSHIP:

☐ 0-MECKLENBURG ☐ 4-PINEVILLE
☐ 1-CHARLOTTE ☐ 5-MATTHEWS
☐ 2-DAVIDSON ☑ 6-HUNTERSVILLE
☐ 3-CORNELIUS ☐ 7-MINT HILL

BUILDING INFORMATION:

TYPE OF BUILDING:

☐ SINGLE MOBILE HOME (S) ☐ MODULAR HOME (M)
☐ DOUBLE WIDE (D) ☐ MULTIPLE FAMILY (U)
☑ HOUSE (H) ☐ OTHER

HEATED SQUARE FOOTAGE:
NUMBER OF BEDROOMS: 5
NUMBER OF OCCUPANTS: 6

FOUNDATION FOR RESIDENCE:

☐ CONCRETE SLAB ☑ BASEMENT WITH PLUMBING
☐ CRAWLSPACE ☐ BASEMENT WITH NO PLUMBING

IF PLANNING TO EXPAND/ALTER THE EXISTING SYSTEM INDICATE THE FOLLOWING CHANGES:

NUMBER OF BEDROOMS TO BE ADDED: NUMBER OF ADDITIONAL OCCUPANTS IN THE RESIDENCE:
WILL THERE BE A HOME BUSINESS IN THE RESIDENCE? ☐ YES ☑ NO TYPE:

WATER SUPPLY:

☐ MUNICIPAL (M) ☐ PUBLIC (C) ☑ PRIVATE WELL (P) ☐ SHARED WELL (S) ☐ OTHER 'SPRINGS' (O)

PROPOSED USE OF WELL: ☐ N/A ☐ IRRIGATION ☑ POTABLE ☐ GEOTHERMAL ☐ OTHER

ARE ANY OF THE FOLLOWING LOCATED ON THE PROPERTY? IF SO, PLEASE SHOW LOCATION ON SITE PLAN/PLAT.

BURIED CABLES, LANDFILLS, STUMPHOLES	☐ YES ☑ NO	WELLS, SPRINGS, OR WATER LINES	☐ YES ☑ NO
EXISTING WASTEWATER SYSTEMS	☐ YES ☑ NO	DESIGNATED WETLANDS	☐ YES ☑ NO
EASEMENTS OR RIGHT-OF-WAYS	☐ YES ☑ NO	GRADING/SOIL REMOVAL PERFORMED	☐ YES ☑ NO

PROPERTY OWNER:

NAME: Simonini Builders
ADDRESS: 1910 South Boulevard Suite 200
CITY: Charlotte
STATE: NC ZIP: 28203
HOME PHONE: WORK PHONE: 704-358-3060 EXT 158
MOBILE PHONE: 704-756-9460 FAX: 704-358-9978
ACC # X39501

LEGAL AGENT FOR PROPERTY OWNER, IF APPLICABLE:

NAME: Kenny Owens
ADDRESS: 6206 Birkdale Valley Dr. APT #515
CITY: Charlotte
STATE: NC. ZIP: 28277
HOME PHONE: WORK PHONE: 704-540-0771
MOBILE PHONE: 704-502-5588 FAX: 704-541-8094

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED?

WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY?

*An Improvement Permit is subject to suspension or revocation if site plans or the intended use change or if information submitted in this application is falsified or changed. The undersigned, owner, or legal agent for the owner, of the property described above as the "Job Location" has read the foregoing application, acknowledges that the contents of same are true, and authorizes the Mecklenburg County Health Department to enter onto the property for the purpose of processing this request.

Kurt Lee 6-14-06

Owner's/Agent's Signature Date

NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT & NATURAL RESOURCES DIVISION
OF ENVIRONMENTAL HEALTH ON-SITE
WASTEWATER SECTION

*A Well Permit is subject to suspension or revocation if site plans or the intended use change or if information submitted in this application is falsified or changed. The undersigned, owner, or legal agent for the owner, of the property described above as the "Job Location" has read the foregoing application, acknowledges that the contents of same are true, and authorizes the Mecklenburg County Health Department to enter onto the property for the purpose of processing this request.

Owner's/Agent's Signature Date

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

GWS – RES. APP 07/05

SEPTIC FEE: 200 60 w exit #1085
DATE: 7/31/06
CRTF. #

PERMIT APPLICATION FOR A RESIDENTIAL SITE IMPROVEMENT PERMIT / CONSTRUCTION AUTHORIZATION FOR ON-SITE WASTEWATER SYSTEM NEW WELL INSTALLATION OR REPAIR OF EXISTING WELL MECKLENBURG COUNTY GROUNDWATER & WASTEWATER SERVICES

WELL FEE:
DATE:
CRTF. #

FILE # 6646

SEPTIC / TYPE APPLICATION: ☐ NONE ☑ NEW SYSTEM ☐ ALTERATION ☐ REPAIR ☐ MODIFY PLOT PLAN

WELL / TYPE APPLICATION: ☐ NONE ☑ NEW WELL ☐ MAJOR REPAIR ☐ ABANDONMENT

COPY

JOB LOCATION INFORMATION:

TAX/PARCEL #: 01924232
STREET ADDRESS: Hunterville - Concord RD
CITY: Hunterville
STATE: NC ZIP:
SUBDIVISION OR MOBILE HOME PARK NAME: The Pavilion
LOT #: 24
TOWNSHIP:

☐ 0-MECKLENBURG ☐ 4-PINEVILLE
☐ 1-CHARLOTTE ☐ 5-MATTHEWS
☐ 2-DAVIDSON ☑ 6-HUNTERSVILLE
☐ 3-CORNELIUS ☐ 7-MINT HILL

BUILDING INFORMATION:

TYPE OF BUILDING:

☐ SINGLE MOBILE HOME (S) ☐ MODULAR HOME (M)
☐ DOUBLE WIDE (D) ☐ MULTIPLE FAMILY (U)
☑ HOUSE (H) ☐ OTHER

HEATED SQUARE FOOTAGE:
NUMBER OF BEDROOMS: 5
NUMBER OF OCCUPANTS: 6

FOUNDATION FOR RESIDENCE:

☐ CONCRETE SLAB ☑ BASEMENT WITH PLUMBING
☐ CRAWLSPACE ☐ BASEMENT WITH NO PLUMBING

IF PLANNING TO EXPAND/ALTER THE EXISTING SYSTEM INDICATE THE FOLLOWING CHANGES:

NUMBER OF BEDROOMS TO BE ADDED: NUMBER OF ADDITIONAL OCCUPANTS IN THE RESIDENCE:
WILL THERE BE A HOME BUSINESS IN THE RESIDENCE? ☐ YES ☑ NO TYPE:

WATER SUPPLY:

☐ MUNICIPAL (M) ☐ PUBLIC (C) ☑ PRIVATE WELL (P) ☐ SHARED WELL (S) ☐ OTHER 'SPRINGS' (O)

PROPOSED USE OF WELL: ☐ N/A ☐ IRRIGATION ☑ POTABLE ☐ GEOTHERMAL ☐ OTHER

ARE ANY OF THE FOLLOWING LOCATED ON THE PROPERTY? IF SO, PLEASE SHOW LOCATION ON SITE PLAN/PLAT.

BURIED CABLES, LANDFILLS, STUMPHOLES	☐ YES	☑ NO	WELLS, SPRINGS, OR WATER LINES	☐ YES	☑ NO
EXISTING WASTEWATER SYSTEMS	☐ YES	☑ NO	DESIGNATED WETLANDS	☐ YES	☑ NO
EASEMENTS OR RIGHT-OF-WAYS	☐ YES	☑ NO	GRADING/SOIL REMOVAL PERFORMED	☐ YES	☑ NO

PROPERTY OWNER:

NAME: Simonini Builders
ADDRESS: 1910 South Boulevard Suite 200
CITY: Charlotte
STATE: NC ZIP: 28203
HOME PHONE: WORK PHONE: 704-358-3060 EXT 158
MOBILE PHONE: 704-756-9460 FAX: 704-358-9978
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NAME: Kenny Owens
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STATE: NC ZIP: 28277
HOME PHONE: WORK PHONE: 704-540-8771
MOBILE PHONE: 704-502-5588 FAX: 704-541-8094

WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED?

WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY?

*An Improvement Permit is subject to suspension or revocation if site plans or the intended use change or if information submitted in this application is falsified or changed. The undersigned, owner, or legal agent for the owner, of the property described above as the "Job Location" has read the foregoing application, acknowledges that the contents of same are true, and authorizes the Mecklenburg County Health Department to enter onto the property for the purpose of processing this request.

Kenny Owens 6-14-06

Owner's/Agent's Signature Date

NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT & NATURAL RESOURCES DIVISION
OF ENVIRONMENTAL HEALTH ON-SITE
WASTEWATER SECTION

*A Well Permit is subject to suspension or revocation if site plans or the intended use change or if information submitted in this application is falsified or changed. The undersigned, owner, or legal agent for the owner, of the property described above as the "Job Location" has read the foregoing application, acknowledges that the contents of same are true, and authorizes the Mecklenburg County Health Department to enter onto the property for the purpose of processing this request.

Owner's/Agent's Signature Date

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

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 #: **30001085** GWS File #: **6644B** Tax Parcel #: **019-242-32**

- 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):** 1/26/2012

Type of Installation: Residential - New System Lot Number: 24

Structure Type: HOUSE Size (ft^2): 0 # Bedrooms: 5 # Occupants: 6

Building Foundation: Basement With Plumbing Water Supply: Private Well

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

Initial System Specifications:

Design Flow (gpd): 600 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): 1500 Total Trench Length (ft): 500

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

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

Repair System Specifications:

Design Flow (gpd): 600 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): 1500 Total Trench Length (ft): 500

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: Jeremy Michelone

Signature: Jeremy Michelone, R.S.

Date Issued: 1/26/2007

Owner/Legal Agent: Rick Jasinski
Print Name

Signature: Rick Jasinski

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 #: **30001085** GWS File #: **6644B**

IV. Permit Conditions/Comments:

- This type of septic system requires an inspection once every 5 years by our office. The system owner is responsible for any fees, as determined by the Mecklenburg County Board of Commissioners, associated with this inspection.
- All components of the septic system must be installed in accordance with the required setbacks listed on the corresponding plot plan.

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.
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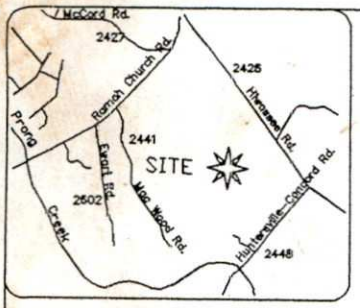
DENR Authorized Agent: Jeremy Michelone

Signature: Jeremy Michelone, R.S.

Date Issued: 1/26/2007

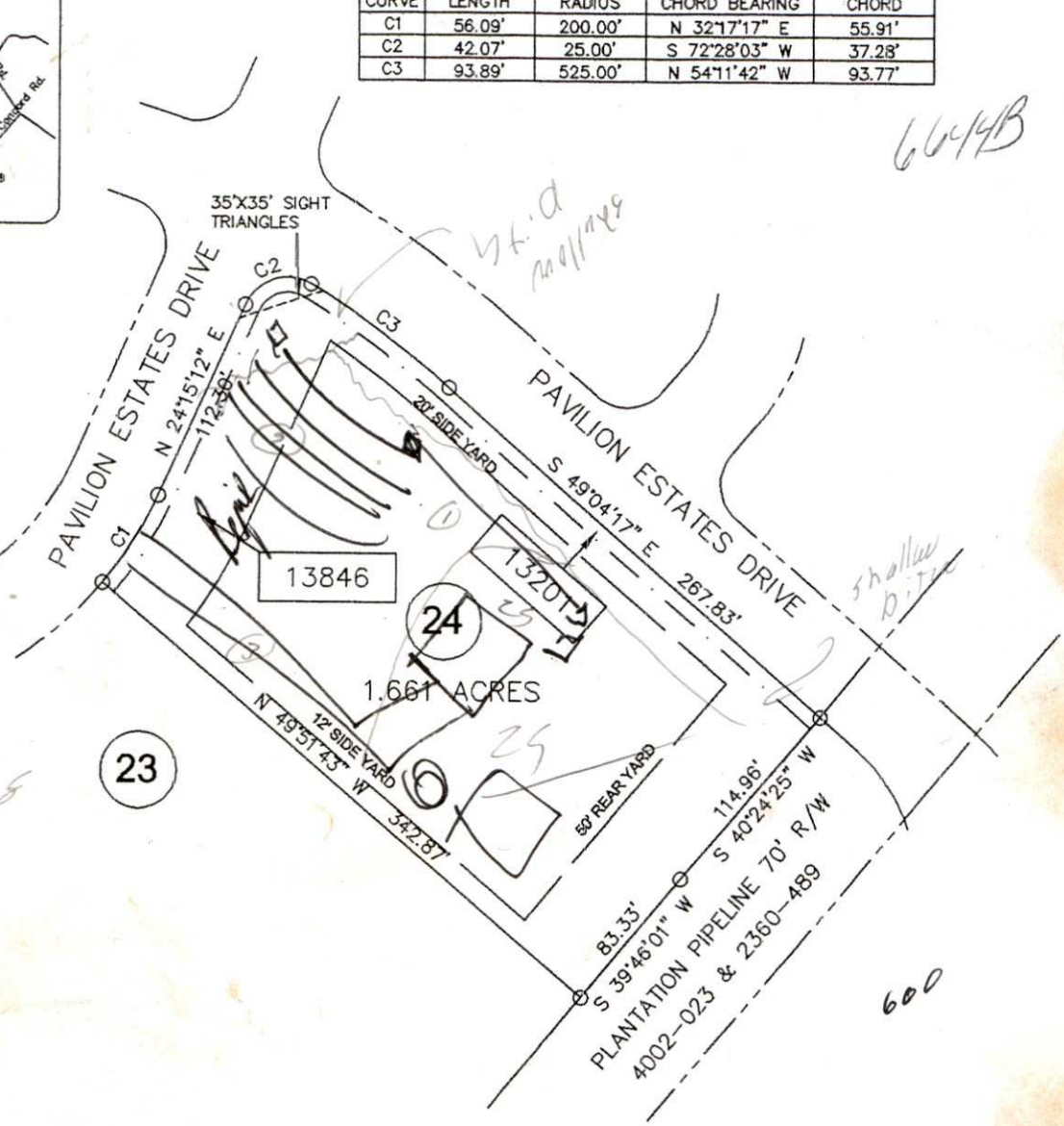
Owner/Legal Agent: Rick Jasinski
Print Name

Signature: Rick Jasinski



VICINITY MAP

CURVE TABLE				
CURVE	LENGTH	RADIUS	CHORD BEARING	CHORD
C1	56.09'	200.00'	N 32°17'17" E	55.91'
C2	42.07'	25.00'	S 72°28'03" W	37.28'
C3	93.89'	525.00'	N 54°11'42" W	93.77'



LEGEND

- ⊙ SET IRON PIN (#5 REBAR)
- ● EXISTING IRON PIN (AS DESCRIBED)
- TIE LINE
- BOUNDARY AS SURVEYED
- BOUNDARY BY DEED OR PLAT
- RIGHT OF WAY
- EASEMENT

PLOT PLAN SURVEY

PROPERTY OF: LOT 24 THE PAVILION

HUNTERSVILLE TWP., MECKLENBURG CO., NC

ADDRESS: 13846 PAVILION ESTATES DRIVE, HUNTERSVILLE, NC

LOT 24, BLOCK ____, THE PAVILION

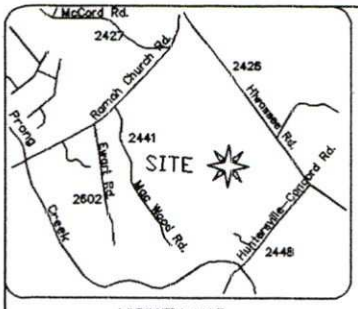
SCALE: 1 IN. = 100 FT. DATE: JUNE 21, 20 06

0 100 200 300

CONCORD ENGINEERING & SURVEYING, INC.
ENGINEERS - SURVEYORS - PLANNERS
45 SPRING STREET SW CONCORD (704) 786-5404
CONCORD, NC 28025 FAX (704) 786-7454
ACAD FILE: LOT 24.DWG

© CESI 2006

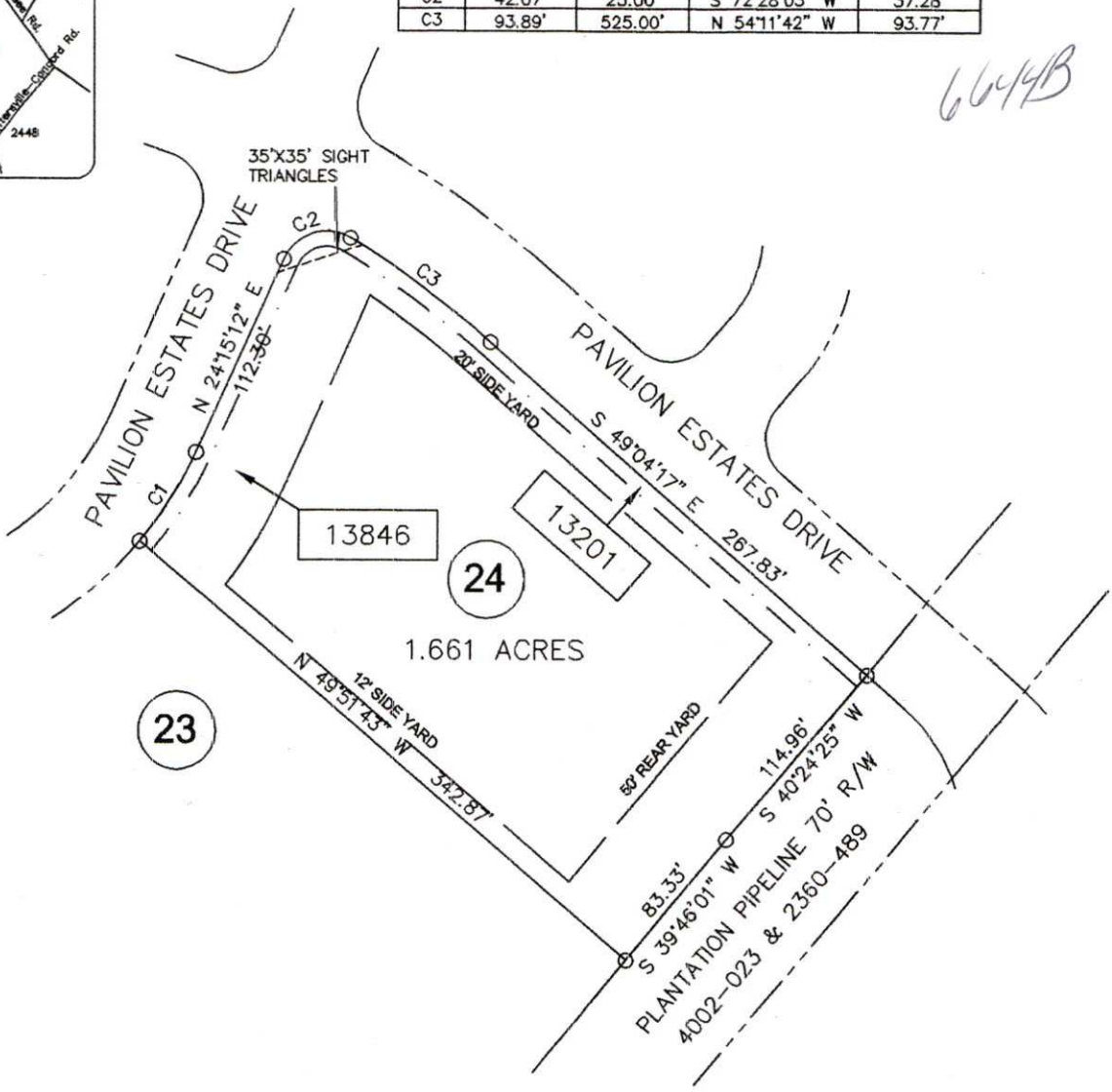
JOB NO.: 050306.001



VICINITY MAP

CURVE TABLE				
CURVE	LENGTH	RADIUS	CHORD BEARING	CHORD
C1	56.09'	200.00'	N 32°17'17" E	55.91'
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664/B



LEGEND

- ⊙ SET IRON PIN (#5 REBAR)
- ● EXISTING IRON PIN (AS DESCRIBED)
- TIE LINE
- BOUNDARY AS SURVEYED
- BOUNDARY BY DEED OR PLAT
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PLOT PLAN SURVEY

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CONCORD ENGINEERING & SURVEYING, INC.
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45 SPRING STREET SW CONCORD (704) 786-5404
CONCORD, NC 28025 FAX (704) 786-7454
ACAD FILE: LOT 24.DWG

© CESI 2006

JOB NO.: 050306.001

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

Sheet: 1 of 2
Property ID: PO 019-242-32
Lot #: 24
File #: 6644B
AppID: 1085
Code: 1

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Simoni Builders
Applicant: Kenny Owens
Address: 1910 South Boulevard, Suite 200, Charlotte, N. C. 28203
Date Evaluated: 11/30/06
Proposed Facility: Residence
Design Flow (.1949): 600gpd
Property Size: 1.66a
Location of Site: 13846 Pavilion Estates Drive
Property Recorded:
Water Supply: [ ] Public [x] Individual [x] Well [ ] Spring [ ] Other
Evaluation Method: [x] Auger Boring [ ] Pit [ ] Cut
Type of Wastewater: [x] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .1941 .1941 Structure/ Texture	.1941 Consistence Mineralogy	b PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
1	LS, 6	0-4	GR/CL	FR/SEXP/SS/SP	>48" TO SOIL WETNESS	48+	N/A	NONE	PS, IV
		4-39	SBK/C	FI/SEXP/S/P					.3GPD/FT^2
		39-48	SBK/CL	FR/SEXP/SS/SP					
2	LS, 8	0-3	GR/CL	"	"	"	"	"	"
		3-48	SBK/C	FI/SEXP/S/P					
3	"	0-3	GR/CL	FR/SEXP/SS/SP	"	"	"	"	PS, IV
		3-29	SBK/C	FI/SEXP/S/P					.325GPD/FT^2
		29-48	SBK/CL	FR/SEXP/SS/SP					

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)		
Site LTAR	.3GPD/FT^2	.3GPD/FT^2

Other Factors (.1946):
Site Classification (.1948): PROVISIONALLY SUITABLE
Evaluated By: W. R. Marlin, LSS, 12/1/2006, W. R. Marlin
Others Present:

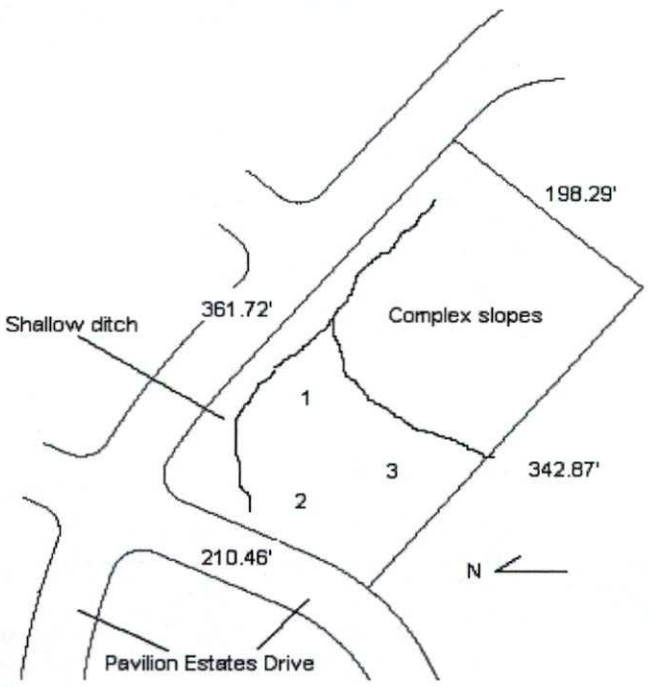
COMMENTS:

100% repair, house site not identified at time of investigation

Landscape Position	Group	Texture	.1955 LTAR	Structure
R-Ridge	I	S-Sand	1.2 - 0.8	SG-Single Grain
SS-Shoulder Slope		LS-Loamy Sand		M-Massive
LS-Linear Slope				CR-Crumb
FS-Foot Slope	II	SL-Sandy Loam	0.8 - 0.6	GR-Granular
NS-Nose Slope		L-Loam		SBK-Subangular Blocky
HS-Head Slope				ABK-Angular Blocky
CC-Concave Slope	III	SI-Silt	0.6 - 0.3	PL-Platy
CV-Convex Slope		SICL-Silty Clay Loam		PR-Prismatic
T-Terrace				
FP-Flood Plain		CL-Clay Loam		
		SCL-Sandy Clay Loam		
	IV	SC-Sandy Clay	0.4 - 0.1	
		SIC-Silty Clay		
		C-Clay		

Consistence Moist	Consistence Wet	Mineralogy
VFR-Very Friable	NS-Non-Sticky	SEXP-Slightly Expansive
FR-Friable	SS-Slightly Sticky	EXP-Expansive
FI-Firm	S-Sticky	
VFI-Very Firm	VS-Very Sticky	
EFI-Extremely Firm	NP-Non-Plastic	
	SP-Slightly Plastic	
	P-Plastic	
	VP-Very Plastic	

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: PO 019-242-32
Lot #: 24
File #: 6644B
AppID: 1085
Code: 1

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Type of Wastewater: [x] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .1941 .1941 Structure/ Texture	.1941 Consistence Mineralogy	b PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
1	LS, 6	0-4	GR/CL	FR/SEXP/SS/SP	>48" TO SOIL WETNESS	48+	N/A	NONE	PS, IV
		4-39	SBK/C	FI/SEXP/S/P					.3GPD/FT^2
		39-48	SBK/CL	FR/SEXP/SS/SP					
2	LS, 8	0-3	GR/CL	"	"	"	"	"	"
		3-48	SBK/C	FI/SEXP/S/P					
3	"	0-3	GR/CL	FR/SEXP/SS/SP	"	"	"	"	PS, IV
		3-29	SBK/C	FI/SEXP/S/P					.325GPD/FT^2
		29-48	SBK/CL	FR/SEXP/SS/SP					

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	III 6	III 6
Site LTAR	.3GPD/FT^2	.3GPD/FT^2

Other Factors (.1946):
Site Classification (.1948): PROVISIONALLY SUITABLE
Evaluated By: W. R. Marlin, LSS, 12/1/2006, W. R. Marlin
Others Present:

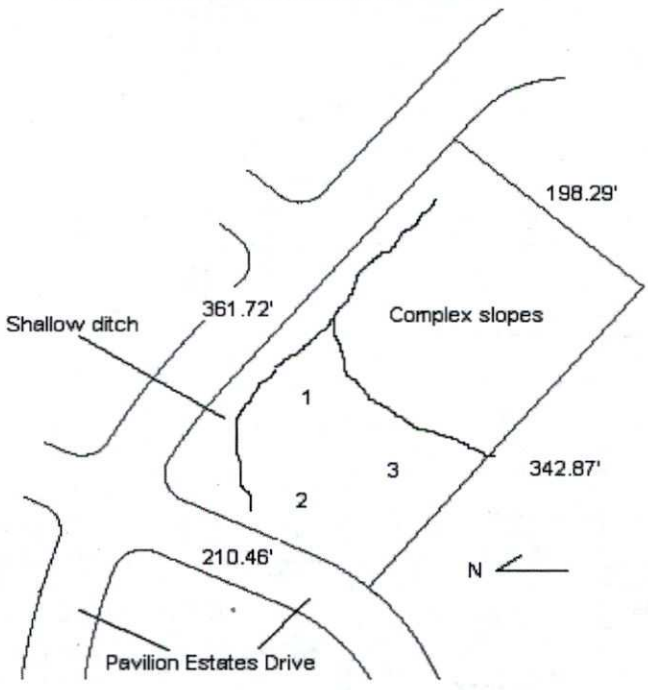
COMMENTS:

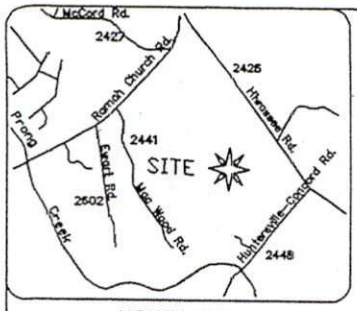
100% repair, house site not identified at time of investigation

Landscape Position	Group	Texture	.1955 LTAR	Structure
R-Ridge	I	S-Sand	1.2 - 0.8	SG-Single Grain
SS-Shoulder Slope		LS-Loamy Sand		M-Massive
LS-Linear Slope				CR-Crumb
FS-Foot Slope	II	SL-Sandy Loam	0.8 - 0.6	GR-Granular
NS-Nose Slope		L-Loam		SBK-Subangular Blocky
HS-Head Slope				ABK-Angular Blocky
CC-Concave Slope	III	SI-Silt	0.6 - 0.3	PL-Platy
CV-Convex Slope		SICL-Silty Clay Loam		PR-Prismatic
T-Terrace				
FP-Flood Plain		CL-Clay Loam		
		SCL-Sandy Clay Loam		
	IV	SC-Sandy Clay	0.4 - 0.1	
		SIC-Silty Clay		
		C-Clay		

Consistence Moist	Consistence Wet	Mineralogy
VFR-Very Friable	NS-Non-Sticky	SEXP-Slightly Expansive
FR-Friable	SS-Slightly Sticky	EXP-Expansive
FI-Firm	S-Sticky	
VFI-Very Firm	VS-Very Sticky	
EFI-Extremely Firm	NP-Non-Plastic	
	SP-Slightly Plastic	
	P-Plastic	
	VP-Very Plastic	

Sketch of Soil Evaluation Locations

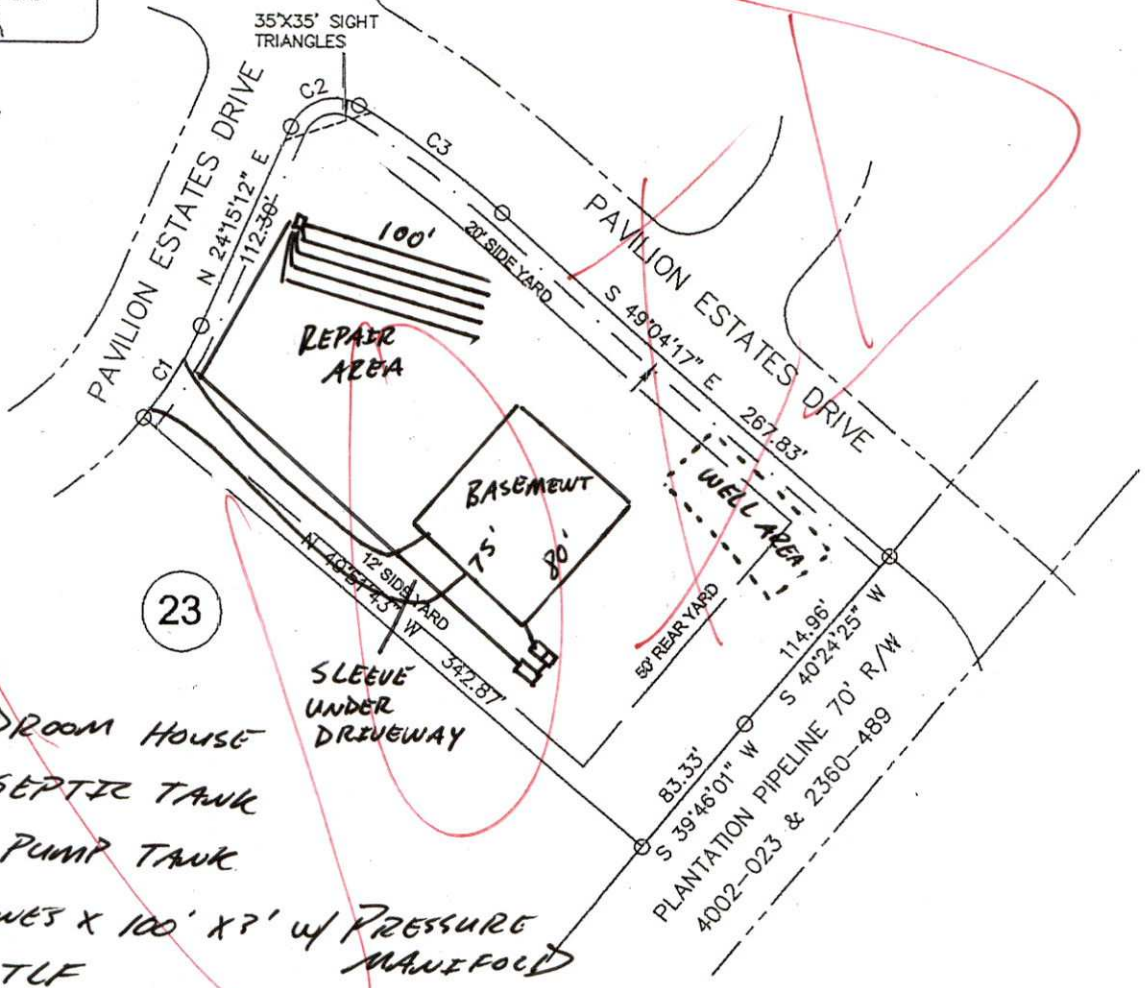




VICINITY MAP

6644B

CURVE TABLE				
CURVE	LENGTH	RADIUS	CHORD BEARING	CHORD
C1	56.09'	200.00'	N 32°17'17" E	55.91'
C2	42.07'	25.00'	S 72°28'03" W	37.28'
C3	93.89'	525.00'	N 54°11'42" W	93.77'



→ 5 BEDROOM HOUSE
→ 1500 SEPTIC TANK
→ 1500 PUMP TANK
→ 5 LINES x 100' X 2' W/ PRESSURE MANIFOLD
→ 500 TLF
→ TYPE ~~III~~ I System x REPAIR

Jerry Mabe, R.S.

LEGEND

- ⊙ SET IRON PIN (#5 REBAR)
- ● EXISTING IRON PIN (AS DESCRIBED)
- TIE LINE
- BOUNDARY AS SURVEYED
- BOUNDARY BY DEED OR PLAT
- RIGHT OF WAY
- EASEMENT

PLOT PLAN — SURVEY

PROPERTY OF: LOT 24 THE PAVILION

HUNTERSVILLE TWP., MECKLENBURG CO., NC

ADDRESS: 13846 PAVILION ESTATES DRIVE, HUNTERSVILLE, NC

LOT 24, BLOCK ____, THE PAVILION

SCALE: 1 IN. = 100 FT. DATE: JUNE 21, 20 06

0 100 200 300

CONCORD ENGINEERING & SURVEYING, INC.
ENGINEERS - SURVEYORS - PLANNERS
45 SPRING STREET SW CONCORD (704) 786-5404
CONCORD, NC 28025 FAX (704) 786-7454
ACAD FILE: LOT 24.DWG

© CESI 2006

JOB NO.: 050306.001

66448

019-243-01

1085/5719

13846 PAVILION ESTATES DRIVE

SCALE = 1" = 100'

→ 5 BEDROOM HOUSE

→ 1500 SEPTIC TANK

→ 1500 PUMP TANK

→ 5 LINES x 100' x 3'

→ PRESSURE MANIFOLD

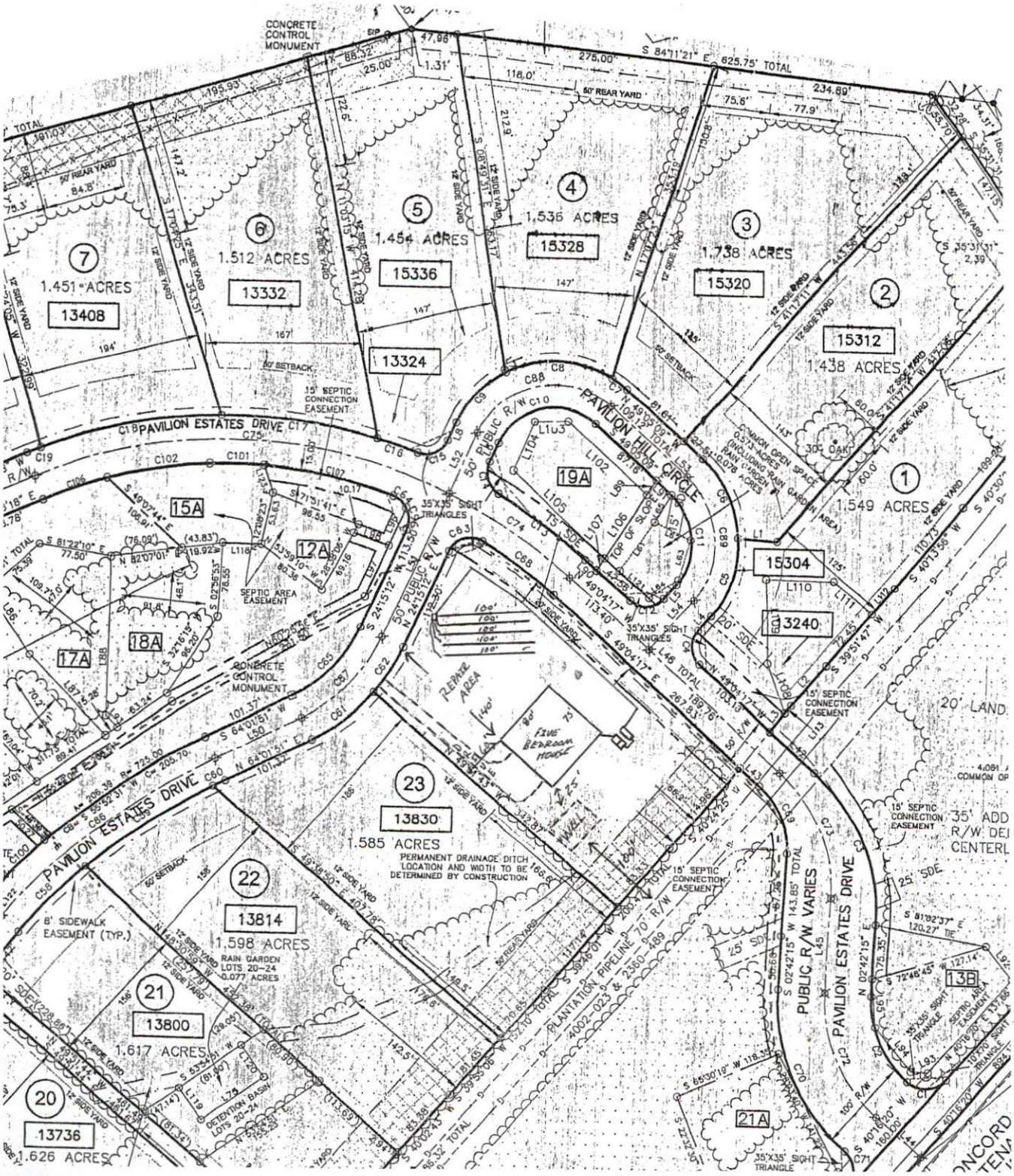
→ TYPE III 6 PUMP TO 25% REP. & REPAIR

→ INSTALL WELL:

> 100' FROM GAS LINE

> 25' FROM FOUNDATION

> 10' FROM PROPERTY LINE


PAVILION ESTATES DRIVE
PAVILION HILL CIRCLE
PUBLIC R/W VARIES
PAVILION ESTATES DRIVE
CONCRETE CONTROL MONUMENT
1 1.549 ACRES 15304
2 1.438 ACRES 15312
3 1.738 ACRES 15320
4 1.536 ACRES 15328
5 1.454 ACRES 15336
6 1.512 ACRES 13332
7 1.451 ACRES 13408
13324
19A
12A
15A
17A
18A
23 13830 1.585 ACRES
22 13814 1.598 ACRES
21 13800 1.617 ACRES
20 13736 1.626 ACRES
21A
13B
3240
FIVE BEDROOM HOUSE
REPAIR AREA
WELL
PERMANENT DRAINAGE DITCH LOCATION AND WIDTH TO BE DETERMINED BY CONSTRUCTION
RAIN GARDEN LOTS 20-24 0.077 ACRES
DETENTION BASIN LOTS 20-24
COMMON OPEN SPACE 0.571 ACRES (INCLUDING RAIN GARDEN AREA) 0.078 ACRES
30" OAK
8' SIDEWALK EASEMENT (TYP.)
15' SEPTIC CONNECTION EASEMENT
SEPTIC AREA EASEMENT
35'X35' SIGHT TRIANGLES
PLANTATION PIPELINE 70' R/W 4002-023 & 2360-489
S 84°11'21" E 625.75' TOTAL
S 24°15'12" W 113.50'
N 24°15'12" E 112.50'
N 49°04'17" W 173.40'
S 49°04'17" E 267.83'
S 64°01'51" W 101.37'
N 64°01'51" E 101.32'
S 40°13'56" W 110.73'
S 40°30'00" E 109.92'
S 39°51'47" W 72.45'
S 40°15'20" W 160.00'
S 81°22'10" E 77.50'
S 81°32'37" E 120.27' TIE
S 72°48'45" W 127.14'
S 85°30'19" W 118.35'
N 02°42'15" W 143.85' TOTAL
S 02°42'15" E 175.35'
S 40°16'20" E 137.68'
S 40°16'20" W 160.00'
S 49°07'44" E 109.91'
S 32°16'19" E 86.20'
S 07°56'55" E 78.55'
S 53°39'10" W 80.39'
S 40°02'43" W 58.32' TOTAL
S 39°55'06" W 152.10' TOTAL
S 49°16'50" E 407.78'
S 53°54'01" W 142.51'
S 32°22'22" W 19.58

APPROXIMATE PLANTATION PIPELINE 70' R/W
4002-023
2360-489
23
24