

15328 PAVILION HILL CR

01924322

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 7/20/15 LE Initials/Date

Floor plans need to be submitted and reviewed before CA can be issued. ☐ Reviewed ☐ ____

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

Septic file completed. ☑ JAM 4/26/16 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. ☐ _____

File # 6636B APP 7644

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) LE 8/25/15 Initials/Date

OP ($200.00) LE 8/25/15 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 7/20/15 LE Initials/Date

Floor plans need to be submitted and reviewed before CA can be issued. ☐ Reviewed ☑ JAM

OK to issue CA when $400 is paid.

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

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

Send permit for signature. ☑ Signature received. ☐ _____

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

Certified operator contract is on file. ☐ _____

Acct X42064

6636B Application # 7644

17 JUL '15 AM10:57

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: 01924321

STREET ADDRESS: 15328 PAVILION HILL CIR

CITY: HUNTERSVILLE

STATE: NC **ZIP:** 28078

SUBDIVISION NAME: The Pavilion

LOT #: 4 **LOT SIZE (acres):** 1.54

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: 4,080

NUMBER OF BEDROOMS: 4

NUMBER OF OCCUPANTS: 1

FOUNDATION TYPE:

○ CONCRETE SLAB ○ BASEMENT WITH PLUMBING
◉ CRAWL SPACE ○ BASEMENT WITH NO PLUMBING

5. IF PLANNING TO EXPAND OR ALTER THE EXISTING SEPTIC SYSTEM PLEASE COMPLETE THE FOLLOWING SECTION: ☑ N/A

NUMBER OF BEDROOMS TO BE ADDED: _____ NUMBER OF ADDITIONAL OCCUPANTS IN THE RESIDENCE: _____

6. WATER SUPPLY: ○ MUNICIPAL ◉ PRIVATE WELL ○ PUBLIC WELL ○ SHARED WELL ○ OTHER _____

7. PROPOSED USE OF WELL: ○ N/A ○ IRRIGATION ◉ POTABLE (DRINKING WATER) ○ OTHER _____

8. PLEASE INDICATE AND RANK DESIRED SEPTIC SYSTEM TYPE(S) IN ORDER OF PREFERENCE *(1-MOST DESIRED 5-LEAST DESIRED):*

☐ N/A ☐ ANY TYPE ☐ CONVENTIONAL ☐ ACCEPTED ☑ INNOVATIVE ☐ ALTERNATIVE ☐ OTHER _____

8A. RANK: 1 2 ____ ____ ____

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: Robert L Morgan Jr
ADDRESS: 14125 Black Farms Rd
CITY: Huntersville
STATE: NC ZIP: 28078
WORK PHONE: (704) 607-4438
MOBILE PHONE: _____
FAX: _____
E-MAIL: rlmorganjr30@gmail.com

13. OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:

NAME: R. Mark Morgan
ADDRESS: 14101 Black Farms Rd
CITY: Huntersville
STATE: NC ZIP: 28078
WORK PHONE: (704) 582-3818
MOBILE PHONE: _____
FAX: _____
E-MAIL: mark@rmorganhomes.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.

RJM (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.

RJM (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.

Robert J Morgan Jr
Property Owner's or Owner's Legal Representative Signature

07/16/15
Date

OFFICE USE ONLY

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

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

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

APPLICATION PROCESSED BY: _____

GWS FILE NUMBER ASSIGNED: _____

APPLICATION ID NUMBER ASSIGNED: _____

COMMENTS:

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

Revised on: 12/15/10

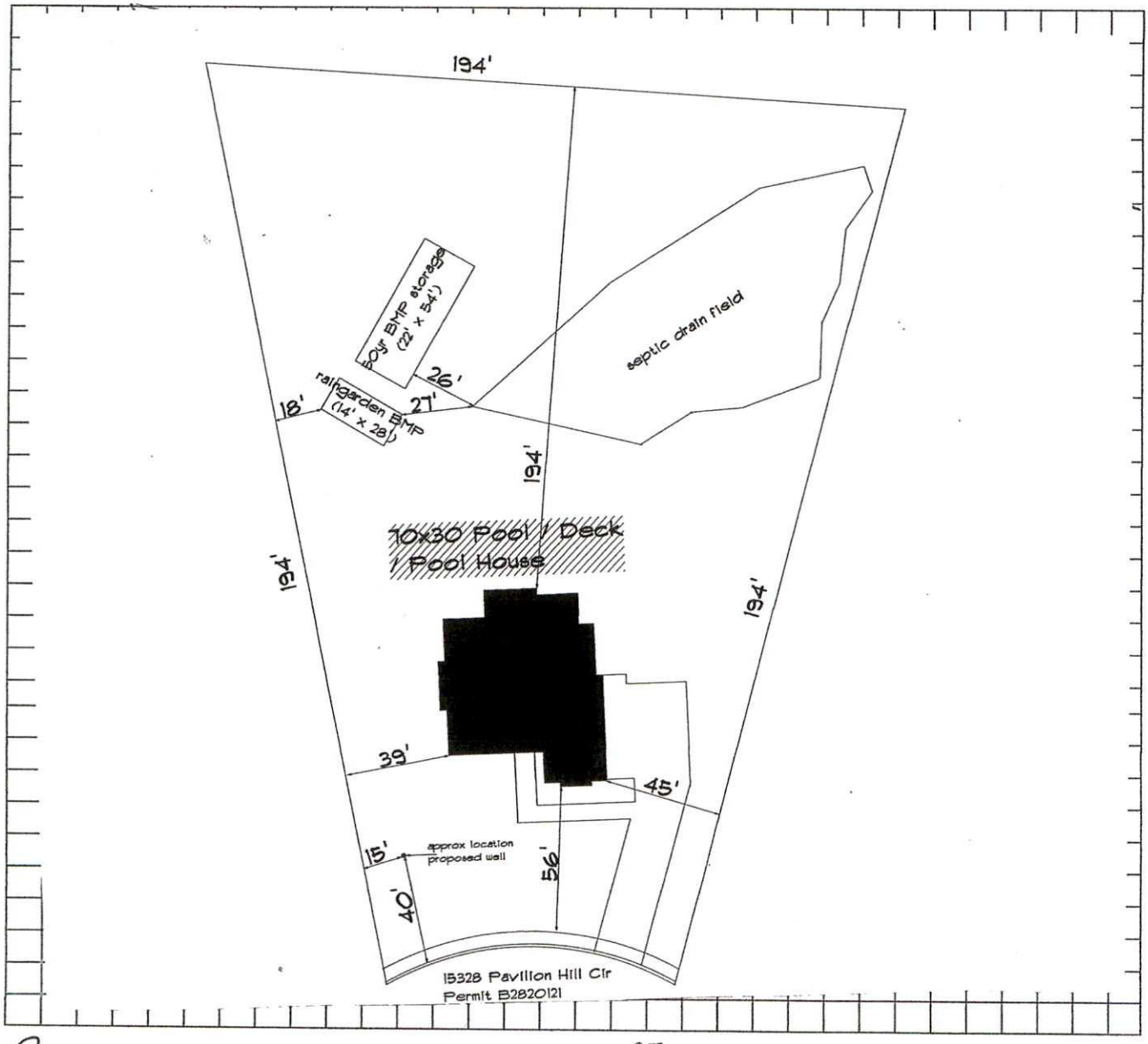
File #: _____

PROPOSED PLOT PLAN

A drawing showing the locations of the following items is required: existing and proposed property lines with dimensions, easements or right-of-ways, proposed building pad(s) or existing building footprint(s), all appurtenances (garage, driveway, deck, pool, etc.), location of existing or proposed well(s), location of existing or proposed sewer lines and sewage disposal systems, surface water bodies, and any aboveground or underground storage tanks. Provide names for all roads that adjoin the property.

Street Address: 15328 PAVILION HILL CIR Tax Parcel #: 01924321

Subdivision Name: THE PAVILION Lot #: 4



Robert J Morgan Jr
Property Owner's or Owner's Legal Representative Signature

07/16/15
Date

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

File #: _____

PROPOSED PLOT PLAN

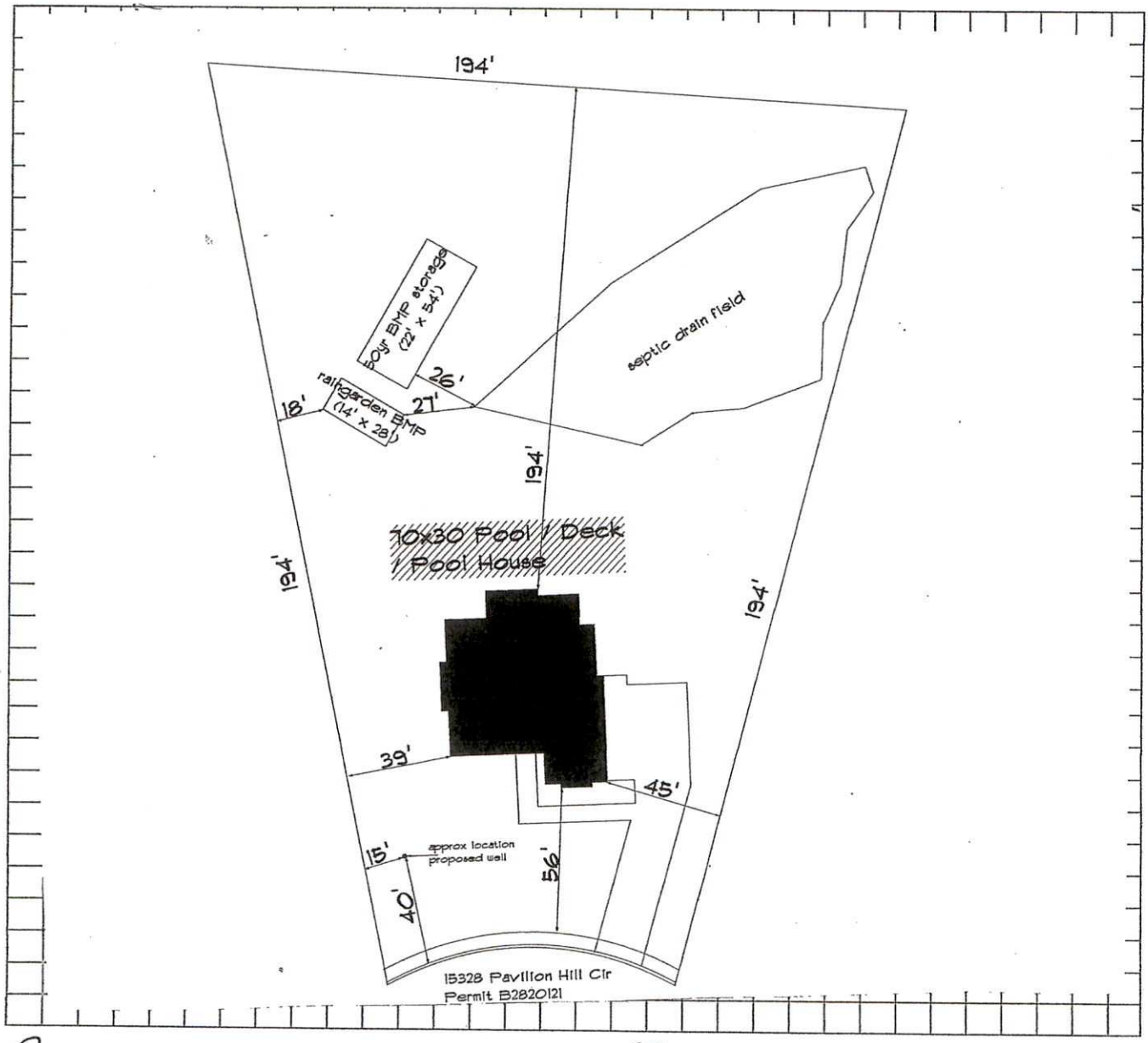
A drawing showing the locations of the following items is required: existing and proposed property lines with dimensions, easements or right-of-ways, proposed building pad(s) or existing building footprint(s), all appurtenances (garage, driveway, deck, pool, etc.), location of existing or proposed well(s), location of existing or proposed sewer lines and sewage disposal systems, surface water bodies, and any aboveground or underground storage tanks. Provide names for all roads that adjoin the property.

Street Address: 15328 PAVILION HILL CIR

Tax Parcel #: 01924321

Subdivision Name: THE PAVILION

Lot #: 4



Robert J Mayer Jr

Property Owner's or Owner's Legal Representative Signature

07/16/15

Date

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

Revised on: 12/15/10

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date: 08/25/15
Receipt #: 95855
Check / Auth #: CHARGE
Received By: ELLISLW

Amount: 200.00
Tendered: 200.00
Returned: 0.00

Account Information

Account #: X42064
Contractor: R.MORGAN HOMES LLC
Attn:
Address: PO BOX 375
Address:
City/State/Zip: HUNTERSVILLE, NC 28070

Item	Description	Permit#	Quantity	Unit Price	Total Price
0703	Septic Operational Permit 15328 PAVILION HILL CIR		1	200.00	200.00

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

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
200.00					

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date: 08/25/15
Receipt #: 95856
Check / Auth #: CHARGE
Received By: ELLISLW

Amount: 200.00
Tendered: 200.00
Returned: 0.00

Account Information

Account #: X42064
Contractor: R.MORGAN HOMES LLC
Attn:
Address: PO BOX 375
Address:
City/State/Zip: HUNTERSVILLE, NC 28070

Item	Description	Permit#	Quantity	Unit Price	Total Price
0734	Septic Construction Authorizat 15328 PAVILION HILL CIR		1	200.00	200.00

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

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
400.00					

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	07/20/15	**Amount:**	100.00
Receipt #:	95453	**Tendered:**	100.00
Check / Auth #:	CHARGE	**Returned:**	0.00
Received By:	ELLISLW		

Account Information

Account #: X42064
Contractor: R.MORGAN HOMES LLC
Attn:
Address: PO BOX 375
Address:
City/State/Zip: HUNTERSVILLE, NC 28070

Item	Description	Permit#	Quantity	Unit Price	Total Price
0704	Change in Plot Plan 15328 PAVILION HILL CR		1	100.00	100.00

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
777.00					

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date: 07/20/15
Receipt #: 95453
Check / Auth #: CHARGE
Received By: ELLISLW

Amount: 100.00
Tendered: 100.00
Returned: 0.00

Account Information

Account #: X42064
Contractor: R.MORGAN HOMES LLC
Attn:
Address: PO BOX 375
Address:
City/State/Zip: HUNTERSVILLE, NC 28070

Item	Description	Permit#	Quantity	Unit Price	Total Price
0704	Change in Plot Plan 15328 PAVILION HILL CR		1	100.00	100.00

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

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
777.00					

MECKLENBURG COUNTY
Health Department

Marcus Plescia, MD, MPH
Health Director

(704) 336-4700

August 13, 2015

Robert L. Morgan
14125 Black Farms Road
Huntersville, NC 28078

RE: **Notice of Intent to Revoke Improvement Permit**

Dear Mr. Morgan:

The Mecklenburg County Health Department inspected the site for the on-site wastewater system located at **15328 Pavilion Hill Circle**, File # 6636B for compliance with the Laws (Article 11 of Chapter 130A of the North Carolina General Statutes), Rules (15A NCAC 18A .1900 et seq.). As a result of this inspection, the Department has determined the following violations:

> The approved Improvement Permit on file is impacted by the addition of the rain garden and does not meet the setbacks required from the retention and detention ponds as well as the surface swale that leads to the rain garden.

This is to notify you that based on these violations, the Department intends to revoke your Improvement Permit 30 days from the date of this notice.

If the health department determines that all of the violations have been corrected before thirty (30) days expire, the revocation will not go into effect. If the permit is revoked, you must apply for a new Improvement Permit and meet the current laws and rules necessary to obtain a new permit.

You have a right to an informal review of this decision. You may request an informal review by the environmental health supervisor at the local health department. You may also request an informal review by the N. C. Department of Health and Human Services Regional Soil Scientist. A request for informal review must be made in writing to the local health department.

You have the right to a formal appeal of this decision by filing a petition for a contested case hearing with the Office of Administration Hearings, 6714 Mail Service Center, Raleigh, NC, 27699-6714. To obtain a petition form (H-06), you may write the Office of Administrative Hearings, call that office at (919) 431-3000 or get a copy of the petition form from their web site at www.ncoah.com/forms.html. The petition for a contested case hearing must be filed in accordance with the provisions of North Carolina General Statutes 130A-24, 150B-23, and all other applicable provisions of Chapter 150B. N.C. General Statute 130A-335(g) provides that your hearing would be held in the county where your property is located.

MECKLENBURG COUNTY
Health Department

Marcus Plescia, MD, MPH
Health Director

(704) 336-4700

If you wish to pursue a formal appeal, you must file the petition form with the Office of Administrative Hearings **WITHIN 30 DAYS OF THE DATE OF THIS LETTER.** The date of this letter is August 13, 2015. Meeting the 30 day deadline is critical to your right to a formal appeal. Beginning a formal appeal within 30 days will not interfere with any informal review that you may request.

If you file a petition for a contested case with the Office of Administrative Hearings, you are required by law (NCGS 150B-23) to serve a copy of your petition on the Office of General Counsel, NC Department of Health and Human Services, 2001 Mail Service Center, Raleigh, NC 27699-2001.

Do not serve the petition on your local health department. Sending a copy of your petition to the local health department will not satisfy the legal requirement in NC General Statute 150B-23 that you send a copy to the Office of General Counsel, 2001 Mail Service Center, NC Department of Health and Human Services.

You may call or write the local health department if you need additional information or assistance.

Sincerely,

Jeremy Michelone, R.E.H.S.
Environmental Specialist
(704)336-5572

MECKLENBURG COUNTY
Health Department

Marcus Plescia, MD, MPH
Health Director

(704) 336-4700

Voluntary Relinquishment of Administrative Appeal Rights
(Completion of Form by Property Owner)

8/14/2015 (Date)

Owner: Robert Morgan

Address: 14125 Black Farms Rd
Huntersville, NC 28078

Subject: Voluntary Relinquishment of Administrative Appeal Rights

(specifyPermit ID/owner's name/property location/site legal description):

Pavilion Lot 4
15328 Pavilion Hill Cir.
Huntersville, NC 28078

I, Robert Morgan, voluntarily relinquish my rights to pursue a formal appeal through the Office of
(print full name)

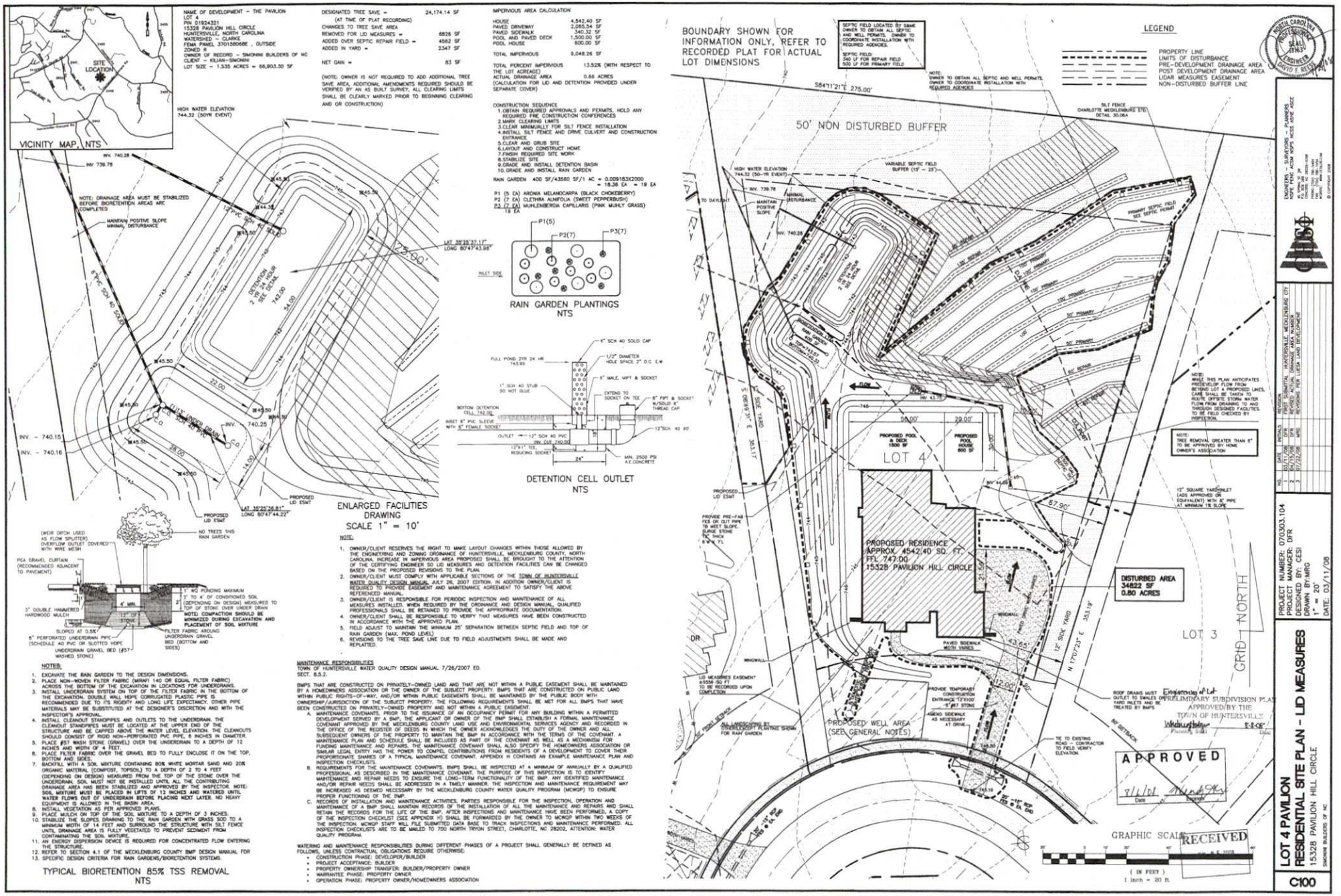
Administrative Hearings pursuant to NC General Statute 130A-24 and 150B-23 and all other applicable provisions of Chapter 150B for the above referenced permit in order for the authorized agent/local health department to issue the applicable permit (new IP and/or CA) for the site. I understand by completing this form the previous permit issued on _____ for a system
(date)

_____
(system name)

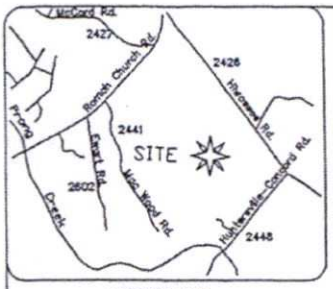
for the site will be "revoked" immediately by the authorized agent/local health department.

Robert Mark Morgan
_____
Signature of Property Owner

Pav4


VICINITY MAP, NTS
SITE LOCATION
NAME OF DEVELOPMENT – THE PAVILION
LOT
PIN 01824321
15328 PAVILION HILL CIRCLE
HUNTERSVILLE, NORTH CAROLINA
WATERSHED – CLARKE
FEMA PANEL 3701580068E , OUTSIDE
ZONED R
OWNER OF RECORD – SIMONINI BUILDERS OF NC
CLIENT – KOLIAN–SIMONINI
LOT SIZE – 1.535 ACRES = 66,903.30 SF
DESIGNATED TREE SAVE = 24,174.14 SF
(AT TIME OF PLAT RECORDING)
CHANGES TO TREE SAVE AREA
REMOVED FOR LID MEASURES = 6826 SF
ADDED OVER SEPTIC REPAIR FIELD = 4562 SF
ADDED IN YARD = 2347 SF
NET GAIN = 83 SF
(NOTE: OWNER IS NOT REQUIRED TO ADD ADDITIONAL TREE SAVE AREA, ADDITIONAL AMENDMENTS REQUIRED SHOULD BE VERIFIED BY AN AS BUILT SURVEY. ALL CLEARING LIMITS SHALL BE CLEARLY MARKED PRIOR TO BEGINNING CLEARING AND OR CONSTRUCTION)
IMPERVIOUS AREA CALCULATION
HOUSE 4,542.40 SF
PAVED DRIVEWAY 2,065.54 SF
PAVED SIDEWALK 740.32 SF
POOL AND PAVED DECK 1,500.00 SF
POOL HOUSE 800.00 SF
TOTAL IMPERVIOUS 9,048.26 SF
TOTAL PERCENT IMPERVIOUS 13.52% (WITH RESPECT TO THE LOT ACREAGE)
ACTUAL DRAINAGE AREA 0.86 ACRES
(CALCULATION FOR LID AND DETENTION PROVIDED UNDER SEPARATE COVER)
CONSTRUCTION SEQUENCE
1.OBTAIN REQUIRED APPROVALS AND PERMITS, HOLD ANY REQUIRED PRE CONSTRUCTION CONFERENCES
2.MARK CLEARING LIMITS
3.CLEAR MINIMUALLY FOR SILT FENCE INSTALLATION
4.INSTALL SILT FENCE AND DRME CULVERT AND CONSTRUCTION ENTRANCE
5.CLEAR AND GRUB SITE
6.LAYOUT AND CONSTRUCT HOME
7.FINISH REQUIRED SITE WORK
8.STABILIZE SITE
9.GRADE AND INSTALL DETENTION BASIN
10.GRADE AND INSTALL RAIN GARDEN
RAIN GARDEN 400 SF/43560 SF/1 AC = 0.00918.5X2000 = 18.36 EA = 19 EA
P1 (5 EA) ARONIA MELANOCARPA (BLACK CHOKEBERRY)
P2 (7 EA) CLETHRA ALNIFOLIA (SWEET PEPPERBUSH)
P3 (7 EA) MUHLENBERGIA CAPILLARIS (PINK MUHLY GRASS)
19 EA
HIGH WATER ELEVATION 744.32 (50YR EVENT)
INV. 740.28
INV 739.78
NOTE: DRAINAGE AREA MUST BE STABILIZED BEFORE BIORETENTION AREAS ARE COMPLETED
MAINTAIN POSITIVE SLOPE MINIMAL DISTURBANCE
6"PVC SCH 40 SOLID
DITCH WITH 2' 24 BOULDER SEE DETAIL
LAT 35°25'37.17" LONG 80°47'43.98"
P1(5)
P2(7)
P3(7)
INLET SIDE
RAIN GARDEN PLANTINGS
NTS
ENLARGED FACILITIES DRAWING
SCALE 1" = 10'
INV. 740.25
INV. – 740.15
INV. – 740.16
12" CMP UNDER DRAIN
PROPOSED LID ESMT
LAT 35°25'36.81" LONG 80°47'44.22"
NO TREES THIS RAIN GARDEN
(WEIR DITCH USED AS FLOW SPLITTER) OVERFLOW OUTLET COVERED WITH WIRE MESH
PEA GRAVEL CURTAIN (RECOMMENDED ADJACENT TO PAVEMENT)
3" DOUBLE HAMMERED HARDWOOD MULCH
4" MIN.
12" OF STONE
SLOPED AT 0.5%
6" PERFORATED UNDERDRAIN PIPE (SCHEDULE 40 PVC OR SLOTTED HDPE UNDERDRAIN GRAVEL BED (#57 WASHED STONE)
FILTER FABRIC AROUND UNDERDRAIN GRAVEL BED (BOTTOM AND SIDES)
1" NO PONDING MAXIMUM
2" TO 4" OF CONSTRAINED SOIL (DEPENDING ON DESIGN) MEASURED TO TOP OF STONE OVER UNDER DRAIN
NOTE: COMPACTION SHOULD BE MINIMIZED DURING EXCAVATION AND PLACEMENT OF SOIL MIXTURE
NOTES:
1. EXCAVATE THE RAIN GARDEN TO THE DESIGN DIMENSIONS.
2. PLACE NON–WOVEN FILTER FABRIC (MIRAFI 140 OR EQUAL FILTER FABRIC) ACROSS THE BOTTOM OF THE EXCAVATION IN LOCATIONS FOR UNDERDRAINS.
3. INSTALL UNDERDRAIN SYSTEM ON TOP OF THE FILTER FABRIC IN THE BOTTOM OF THE EXCAVATION. DOUBLE WALL HDPE CORRUGATED PLASTIC PIPE IS RECOMMENDED DUE TO ITS RIGIDITY AND LONG LIFE EXPECTANCY. OTHER PIPE MATERIALS MAY BE SUBSTITUTED AT THE DESIGNER'S DISCRETION AND WITH THE INSPECTOR'S APPROVAL.
4. INSTALL CLEANOUT STANDPIPES AND OUTLETS TO THE UNDERDRAIN. THE CLEANOUT STANDPIPES MUST BE LOCATED AT THE UPPER END OF THE STRUCTURE AND BE CAPPED ABOVE THE WATER LEVEL ELEVATION. THE CLEANOUTS SHOULD CONSIST OF RIGID NON–PERFORATED PVC PIPE, 6 INCHES IN DIAMETER.
5. PLACE #57 WASH STONE (GRAVEL) OVER THE UNDERDRAIN TO A DEPTH OF 12 INCHES AND WIDTH OF 4 FEET.
6. PLACE FILTER FABRIC OVER THE GRAVEL BED TO FULLY ENCLOSE IT ON THE TOP, BOTTOM AND SIDES.
7. BACKFILL WITH A SOIL MIXTURE CONTAINING 80% WHITE MORTAR SAND AND 20% ORGANIC MATERIAL (COMPOST, TOPSOIL) TO A DEPTH OF 2 TO 4 FEET (DEPENDING ON DESIGN) MEASURED FROM THE TOP OF THE STONE OVER THE UNDERDRAIN. SOIL MUST NOT BE INSTALLED UNTIL ALL THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED AND APPROVED BY THE INSPECTOR. NOTE: SOIL MIXTURE MUST BE PLACED IN LIFTS OF 12 INCHES AND WATERED UNTIL WATER FLOWS OUT OF UNDERDRAIN BEFORE PLACING NEXT LAYER. NO HEAVY EQUIPMENT IS ALLOWED IN THE BASIN AREA.
8. INSTALL VEGETATION AS PER APPROVED PLANS.
9. PLACE MULCH ON TOP OF THE SOIL MIXTURE TO A DEPTH OF 3 INCHES.
10. STABILIZE THE SLOPES DRAINING TO THE RAIN GARDEN WITH GRASS SOD TO A MINIMUM WIDTH OF 14 FEET AND SURROUND THE STRUCTURE WITH SILT FENCE UNTIL DRAINAGE AREA IS FULLY VEGETATED TO PREVENT SEDIMENT FROM CONTAMINATING THE SOIL MIXTURE.
11. AN ENERGY DISPERSION DEVICE IS REQUIRED FOR CONCENTRATED FLOW ENTERING THE STRUCTURE.
12. REFER TO SECTION 4.1 OF THE MECKLENBURG COUNTY BMP DESIGN MANUAL FOR
13. SPECIFIC DESIGN CRITERIA FOR RAIN GARDENS/BIORETENTION SYSTEMS.
TYPICAL BIORETENTION 85% TSS REMOVAL
NTS
NOTE:
1. OWNER/CLIENT RESERVES THE RIGHT TO MAKE LAYOUT CHANGES WITHIN THOSE ALLOWED BY THE ENGINEERING AND ZONING ORDINANCE OF HUNTERSVILLE, MECKLENBURG COUNTY, NORTH CAROLINA. INCREASE IN IMPERVIOUS AREA PROPOSED SHALL BE BROUGHT TO THE ATTENTION OF THE CERTIFYING ENGINEER SO LID MEASURES AND DETENTION FACILITIES CAN BE CHANGED BASED ON THE PROPOSED REVISIONS TO THE PLAN.
2. OWNER/CLIENT MUST COMPLY WITH APPLICABLE SECTIONS OF THE TOWN OF HUNTERSVILLE WATER QUALITY DESIGN MANUAL JULY 26, 2007 EDITION. IN ADDITION OWNER/CLIENT IS REQUIRED TO PROVIDE EASEMENT AND MAINTENANCE AGREEMENT TO SATISFY THE ABOVE REFERENCED MANUAL.
3. OWNER/CLIENT IS RESPONSIBLE FOR PERIODIC INSPECTION AND MAINTENANCE OF ALL MEASURES INSTALLED. WHEN REQUIRED BY THE ORDINANCE AND DESIGN MANUAL, QUALIFIED PROFESSIONALS SHALL BE RETAINED TO PROVIDE THE APPROPRIATE DOCUMENTATION.
4. OWNER/CLIENT SHALL BE RESPONSIBLE TO VERIFY THAT MEASURES HAVE BEEN CONSTRUCTED IN ACCORDANCE WITH THE APPROVED PLAN.
5. FIELD ADJUST TO MAINTAIN THE MINIMUM 25' SEPARATION BETWEEN SEPTIC FIELD AND TOP OF RAIN GARDEN (MAX. POND LEVEL)
6. REVISIONS TO THE TREE SAVE LINE DUE TO FIELD ADJUSTMENTS SHALL BE MADE AND REPLATTED.
MAINTENANCE RESPONSIBILITIES
TOWN OF HUNTERSVILLE WATER QUALITY DESIGN MANUAL 7/26/2007 ED.
SECT. 8.5.2.
BMPS THAT ARE CONSTRUCTED ON PRIVATELY–OWNED LAND AND THAT ARE NOT WITHIN A PUBLIC EASEMENT SHALL BE MAINTAINED BY A HOMEOWNERS ASSOCIATION OR THE OWNER OF THE SUBJECT PROPERTY. BMPS THAT ARE CONSTRUCTED ON PUBLIC LAND WITHIN PUBLIC RIGHTS–OF–WAY, AND/OR WITHIN PUBLIC EASEMENTS SHALL BE MAINTAINED BY THE PUBLIC BODY WITH OWNERSHIP/JURISDICTION OF THE SUBJECT PROPERTY. THE FOLLOWING REQUIREMENTS SHALL BE MET FOR ALL BMPS THAT HAVE BEEN CONSTRUCTED ON PRIVATELY–OWNED PROPERTY AND NOT WITHIN A PUBLIC EASEMENT:
A. MAINTENANCE COVENANTS. PRIOR TO THE ISSUANCE OF AN OCCUPANCY PERMIT FOR ANY BUILDING WITHIN A PERMITTED DEVELOPMENT SERVED BY A BMP, THE APPLICANT OR OWNER OF THE BMP SHALL ESTABLISH A FORMAL MAINTENANCE COVENANT APPROVED BY THE MECKLENBURG COUNTY LAND USE AND ENVIRONMENTAL SERVICES AGENCY AND RECORDED IN THE OFFICE OF THE REGISTER OF DEEDS IN WHICH THE OWNER ACKNOWLEDGES THE DUTY OF THE OWNER AND ALL SUBSEQUENT OWNERS OF THE PROPERTY TO MAINTAIN THE BMP IN ACCORDANCE WITH THE TERMS OF THE COVENANT. A MAINTENANCE PLAN AND SCHEDULE SHALL BE INCLUDED AS PART OF THE COVENANT AS WELL AS A MECHANISM FOR FUNDING MAINTENANCE AND REPAIRS. THE MAINTENANCE COVENANT SHALL ALSO SPECIFY THE HOMEOWNERS ASSOCIATION OR SIMILAR LEGAL ENTITY HAS THE POWER TO COMPEL CONTRIBUTIONS FROM RESIDENTS OF A DEVELOPMENT TO COVER THEIR PROPORTIONATE SHARES OF A TYPICAL MAINTENANCE COVENANT. APPENDIX H CONTAINS AN EXAMPLE MAINTENANCE PLAN AND INSPECTION CHECKLISTS.
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C. RECORDS OF INSTALLATION AND MAINTENANCE ACTIVITIES. PARTIES RESPONSIBLE FOR THE INSPECTION, OPERATION AND MAINTENANCE OF A BMP SHALL MAINTAIN RECORDS OF THE INSTALLATION OF ALL THE MAINTENANCE AND REPAIRS AND SHALL RETAIN THE RECORDS FOR THE LIFE OF THE BMP. AFTER INSPECTIONS AND MAINTENANCE HAVE BEEN PERFORMED, A COPY OF THE INSPECTION CHECKLIST (SEE APPENDIX H) SHALL BE FORWARDED BY THE OWNER TO MCWQP WITHIN TWO WEEKS OF THE INSPECTION. MCWQP STAFF WILL FILE SUBMITTED DATA BASE TO TRACK INSPECTIONS AND MAINTENANCE PERFORMED. ALL INSPECTION CHECKLISTS ARE TO BE MAILED TO 700 NORTH TRYON STREET, CHARLOTTE, NC 28202, ATTENTION: WATER QUALITY PROGRAM.
WATERING AND MAINTENANCE RESPONSIBILITIES DURING DIFFERENT PHASES OF A PROJECT SHALL GENERALLY BE DEFINED AS FOLLOWS, UNLESS CONTRACTUAL OBLIGATIONS REQUIRE OTHERWISE;
- CONSTRUCTION PHASE: DEVELOPER/BUILDER
- PROJECT ACCEPTANCE: BUILDER
- PROPERTY OWNERSHIP TRANSFER: BUILDER/PROPERTY OWNER
- WARRANTEE PHASE: PROPERTY OWNER
- OPERATION PHASE: PROPERTY OWNER/HOMEOWNERS ASSOCIATION
DETENTION CELL OUTLET
NTS
6" SCH 40 SOLID CAP
1/2" DIAMETER HOLE SPACE 2" O.C. E.W.
6" MALE, MPT & SOCKET
1" SCH 40 STUB SO NOT GLUE
EXTEND TO SOCKET ON TEE
8" PIPE & SOCKET W/SOLID 6" THREAD CAP
FULL POND 2YR 24 HR 743.99
BOTTOM DETENTION CELL 742.00
INSET 6" PVC SLEEVE WITH 6" FEMALE SOCKET
OUTLET 12" SCH 40 PVC INV OUT 740.50
12"X1" TEE REDUCING SOCKET
12"SCH 40 90°
MIN. 2500 PSI A.E.CONCRETE
24"
BOUNDARY SHOWN FOR INFORMATION ONLY, REFER TO RECORDED PLAT FOR ACTUAL LOT DIMENSIONS
SEPTIC FIELD LOCATED BY SAME OWNER TO OBTAIN ALL SEPTIC AND WELL PERMITS. OWNER TO COORDINATE INSTALLATION WITH REQUIRED AGENCIES.
SEPTIC FIELD:
340 LF FOR REPAIR FIELD
500 LF FOR PRIMARY FIELD
LEGEND
PROPERTY LINE
LIMITS OF DISTURBANCE
PRE–DEVELOPMENT DRAINAGE AREA
POST DEVELOPMENT DRAINAGE AREA
LIDAR MEASURES EASEMENT
NON–DISTURBED BUFFER LINE
S84°11'21"E 275.00'
50' NON DISTURBED BUFFER
SILT FENCE CHARLOTTE MECKLENBURG STD DETAIL 30.06A
HIGH WATER ELEVATION 744.32 (50–YR EVENT)
VARIABLE SEPTIC FIELD BUFFER (15' – 25')
INV. 739.78
MAINTAIN POSITIVE SLOPE
TO DAYLIGHT
ANIMAL DISTURBANCE
INV. 740.28
PRIMARY SEPTIC FIELD SEE SEPTIC PERMIT
100' PRIMARY
50' PRIMARY
100' REPAIR
50' REPAIR
PROPOSED POOL & DECK 1500 SF
PROPOSED POOL HOUSE 800 SF
LOT 4
PROPOSED LID ESMT
PROVIDE PRE–FAB FES OR CUT INFR TO MEET SLOPE SLOPE STONE PAD THICK 6'W X 7'L
PROPOSED RESIDENCE APPROX. 4542.40 SQ. FT. FFE 747.00 15328 PAVILION HILL CIRCLE
DISTURBED AREA 34822 SF 0.80 ACRES
12' SIDE YARD
N 17°07'23" E 353.19'
LOT 3
GRID NORTH
PAVED SIDEWALK WIDTH VARIES
WINDWALL
LID MEASURES EASEMENT ±5558 SQ FT TO BE RECORDED UPON COMPLETION
AN UNDISTURBED 5' STRIP EXCEPT PLANTING SHOWN FOR RAIN GARDEN
PROVIDE TEMPORARY CONSTRUCTION ENTRANCE "EP100" 6" #57 STONE
EXTEND SIDEWALK AS NECESSARY AT DRIVE
PROPOSED WELL AREA (SEE GENERAL NOTES)
TIE TO EXISTING ROAD – CONTRACTOR TO FIELD VERIFY ELEVATION
ROOF DRAINS MUST OUTLET TO SWALES OR RAIN GARDENS IN REAR YARD INLETS AND BE TREATED BY BMPS
APPROVED PRELIMINARY SUBDIVISION PLAT APPROVED BY THE TOWN OF HUNTERSVILLE
APPROVED
8/1/01
Date
RECEIVED
GRAPHIC SCALE
(IN FEET)
1 inch = 20 ft.
NOTE: WHILE THIS PLAN ANTICIPATES PREDEVELOP FLOW FROM BEYOND LOT 4 PROPOSED LINES, CARE SHALL BE TAKEN TO ROUTE OFFSITE STORM WATER FLOW FROM DRAINING TO AND THROUGH DESIGNED FACILITIES. TO BE FIELD CHECKED BY INSPECTION.
NOTE: TREE REMOVAL GREATER THAN 8" TO BE APPROVED BY HOME OWNER'S ASSOCIATION
12" SQUARE YARDINLET (ADS APPROVED OR EQUIVALENT) WITH 6" PIPE AT MINIMUM 1% SLOPE
NORTH CAROLINA PROFESSIONAL SEAL 23630 ENGINEER DAVID T. REESE
ENGINEERS – SURVEYORS – PLANNERS
NOPE PENC ACOM HDPS NCSE ASCE
P.O. BOX 148 JETS 2158
HUNTERSVILLE, NC 28070
PHONE: (704) 766-1490
FAX: (704) 766-4806
EMAIL: MAIL@CESLLC.COM
© COPYRIGHT 2008
NO. DATE INITIALS REVISION
1 03/17/08 DFR FIRST SUBMITTAL HUNTERSVILLE MECKLENBURG CITY
2 04/15/08 DFR REVISED ACTUAL DRAINAGE AREA NUMBER
3 07/22/08 MRG REVISED PER CLARK LAKE DEVELOPMENT
PROJECT NUMBER: 070303.104
PROJECT MANAGER: DFR
DESIGNED BY: CESI
DRAWN BY:MRG
1" = 20'
DATE: 03/11/08
LOT 4 PAVILION
RESIDENTIAL SITE PLAN – LID MEASURES
15328 PAVILION HILL CIRCLE
SIMONINI BUILDERS OF NC
C100

15328



VICINITY MAP

CURVE TABLE				
CURVE	LENGTH	RADIUS	CHORD BEARING	CHORD
C1	117.55'	115.00'	N 88°03'16" W	112.50'

LINE TABLE		
LINE	BEARING	DISTANCE
L1	S 28°21'35" E	3.05'

6636B

TERRY C. PHILLIPS
01942112
9515-402
LOT 1
MB 27 PG 754

REMAINS OF 30" HICKORY WITNESS BY 1 1/2" ROD

47.96'
1.31'
275.00'
S 84°11'21" E 625.75' TOTAL
50' REAR YARD
REPAIR AREA 100'
S 08°49'31" E 363.17'
12' SIDE YARD
N 17°07'23" E 353.19'
5
3
90'
60'
WELL
50' SETBACK AREA
L1
C1
50' PUBLIC R/W
PAVILION HILL CIRCLE

→ 5 BEDROOM HOUSE
→ 1500 GALLON SEPTIC TANK
→ 5 LINES X 100' X 3'
→ 500 TLF
→ TYPE III, 25% REDUCTION SYSTEM
Y REPAIR

Jimmy 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 4 THE PAVILION

HUNTERSVILLE TWP., MECKLENBURG CO., NC

ADDRESS: 15328 PAVILION HILL CIRCLE, HUNTERSVILLE, NC

LOT 4, 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 4.DWG

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JOB NO.: 050306.001

Part 4

NAME OF DEVELOPMENT – THE PAVILION
LOT 4
PIN 01924321
15328 PAVILION HILL CIRCLE
HUNTERSVILLE, NORTH CAROLINA
WATERSHED – CLARKE
FEMA PANEL 3701580686K , OUTSIDE
ZONED R
OWNER OF RECORD – SIMONINI BUILDERS OF NC
CLIENT – KILIAN–SIMONINI
LOT SIZE – 1.535 ACRES = 66,903.30 SF

DESIGNATED TREE SAVE = 24,174.14 SF
(AT TIME OF PLAT RECORDING)
CHANGES TO TREE SAVE AREA
REMOVED FOR LID MEASURES = 6826 SF
ADDED OVER SEPTIC REPAIR FIELD = 4562 SF
ADDED IN YARD = 2,347 SF
NET GAIN = 83 SF

(NOTE: OWNER IS NOT REQUIRED TO ADD ADDITIONAL TREE SAVE AREA. ADDITIONAL AMENDMENTS REQUIRED SHOULD BE VERIFIED BY AN AS BUILT SURVEY. ALL CLEARING LIMITS SHALL BE CLEARLY MARKED PRIOR TO BEGINNING CLEARING AND OR CONSTRUCTION)

IMPERVIOUS AREA CALCULATION

HOUSE	4,542.40 SF
PAVED DRIVEWAY	2,085.34 SF
PAVED SIDEWALK	340.32 SF
POOL AND PAVED DECK	1,500.00 SF
POOL HOUSE	600.00 SF
TOTAL IMPERVIOUS	9,048.26 SF
TOTAL PERCENT IMPERVIOUS (THE LOT ACREAGE)	13.52% (WITH RESPECT TO
ACTUAL DRAINAGE AREA	0.66 ACRES

(CALCULATION FOR LID AND DETENTION PROVIDED UNDER SEPARATE COVER)

CONSTRUCTION SEQUENCE
1. OBTAIN REQUIRED APPROVALS AND PERMITS, HOLD ANY REQUIRED PRE CONSTRUCTION CONFERENCES
2. MARK CLEARING LIMITS
3. CLEAR MINIMALLY FOR SILT FENCE INSTALLATION
4. INSTALL SILT FENCE AND DRIVE CULVERT AND CONSTRUCTION ENTRANCE
5. CLEAR AND GRUB SITE
6. LAYOUT AND CONSTRUCT HOME
7. FINISH REQUIRED SITE WORK
8. STABILIZE SITE
9. GRADE AND INSTALL DETENTION BASIN
10. GRADE AND INSTALL RAIN GARDEN

RAIN GARDEN 400 SF/43560 SF/1 AC = 0.009183X2000 = 18.36 EA = 19 EA

P1 (5 EA) ARONIA MELANOCARPA (BLACK CHOKEBERRY)
P2 (7 EA) CLETHRA ALNIFOLIA (SWEET PEPPERBUSH)
P3 (7 EA) MUHLENBERGIA CAPILLARIS (PINK MUHLY GRASS)
19 EA

BOUNDARY SHOWN FOR INFORMATION ONLY, REFER TO RECORDED PLAT FOR ACTUAL LOT DIMENSIONS

SEPTIC FIELD LOCATED BY SAME OWNER TO OBTAIN ALL SEPTIC AND WELL PERMITS. OWNER TO COORDINATE INSTALLATION WITH REQUIRED AGENCIES.

SEPTIC FIELD
360 LF FOR REPAIR FIELD
300 LF FOR PRIMARY FIELD

NOTE: OWNER TO OBTAIN ALL SEPTIC AND WELL PERMITS. OWNER TO COORDINATE INSTALLATION WITH REQUIRED AGENCIES

LEGEND
PROPERTY LINE
LIMITS OF DISTURBANCE
PRE-DEVELOPMENT DRAINAGE AREA
POST DEVELOPMENT DRAINAGE AREA
LIDAR MEASURES EASEMENT
NON-DISTURBED BUFFER LINE

VICINITY MAP, NTS

HIGH WATER ELEVATION 744.32 (50YR EVENT)

NOTE: DRAINAGE AREA MUST BE STABILIZED BEFORE BIORETENTION AREAS ARE COMPLETED

MAINTAIN POSITIVE SLOPE MINIMAL DISTURBANCE

DETENTION CELL 742.00

PROPOSED LID ESMT

ENLARGED FACILITIES DRAWING
SCALE 1" = 10'

RAIN GARDEN PLANTINGS
NTS

DETENTION CELL OUTLET
NTS

TYPICAL BIORETENTION 85% TSS REMOVAL
NTS

NOTES:
1. EXCAVATE THE RAIN GARDEN TO THE DESIGN DIMENSIONS.
2. PLACE NON-WOVEN FILTER FABRIC (MIRAFI 140 OR EQUAL FILTER FABRIC) ACROSS THE BOTTOM OF THE EXCAVATION IN LOCATIONS FOR UNDERDRAINS.
3. INSTALL UNDERDRAIN SYSTEM ON TOP OF THE FILTER FABRIC IN THE BOTTOM OF THE EXCAVATION. DOUBLE WALL HDPE CORRUGATED PLASTIC PIPE IS RECOMMENDED DUE TO ITS RIGIDITY AND LONG LIFE EXPECTANCY. OTHER PIPE MATERIALS MAY BE SUBSTITUTED AT THE DESIGNER'S DISCRETION AND WITH THE INSPECTOR'S APPROVAL.
4. INSTALL CLEANOUT STANDPIPES AND OUTLETS TO THE UNDERDRAIN. THE CLEANOUT STANDPIPES MUST BE LOCATED AT THE UPPER END OF THE STRUCTURE AND BE CAPPED ABOVE THE WATER LEVEL ELEVATION. THE CLEANOUTS SHOULD CONSIST OF RIGID NON-PERFORATED PVC PIPE, 6 INCHES IN DIAMETER.
5. PLACE #57 WASH STONE (GRAVEL) OVER THE UNDERDRAIN TO A DEPTH OF 12 INCHES AND WIDTH OF 4 FEET.
6. PLACE FILTER FABRIC OVER THE GRAVEL BED TO FULLY ENCLOSE IT ON THE TOP, BOTTOM AND SIDES.
7. BACKFILL WITH A SOIL MIXTURE CONTAINING 80% WHITE MORTAR SAND AND 20% ORGANIC MATERIAL (COMPOST, TOPSOIL) TO A DEPTH OF 2 TO 4 FEET (DEPENDING ON DESIGN) MEASURED FROM THE TOP OF THE STONE OVER THE UNDERDRAIN. SOIL MUST NOT BE INSTALLED UNTIL ALL THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED AND APPROVED BY THE INSPECTOR. NOTE: SOIL MIXTURE MUST BE PLACED IN LIFTS OF 12 INCHES AND WATERED UNTIL WATER FLOWS OUT OF UNDERDRAIN BEFORE PLACING NEXT LAYER. NO HEAVY EQUIPMENT IS ALLOWED IN THE BASIN AREA.
8. INSTALL VEGETATION AS PER APPROVED PLANS.
9. PLACE MULCH ON TOP OF THE SOIL MIXTURE TO A DEPTH OF 3 INCHES.
10. STABILIZE THE SLOPES DRAINING TO THE RAIN GARDEN WITH GRASS SOD TO A MINIMUM WIDTH OF 14 FEET AND SURROUND THE STRUCTURE WITH SILT FENCE UNTIL DRAINAGE AREA IS FULLY VEGETATED TO PREVENT SEDIMENT FROM CONTAMINATING THE SOIL MIXTURE.
11. AN ENERGY DISPERSION DEVICE IS REQUIRED FOR CONCENTRATED FLOW ENTERING THE STRUCTURE.
12. REFER TO SECTION 4.1 OF THE MECKLENBURG COUNTY BMP DESIGN MANUAL FOR
13. SPECIFIC DESIGN CRITERIA FOR RAIN GARDENS/BIORETENTION SYSTEMS.

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SECT. 6.5.2.

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- WARRANTEE PHASE: PROPERTY OWNER
- OPERATION PHASE: PROPERTY OWNER/HOMEOWNERS ASSOCIATION

NOTE: WHILE THIS PLAN ANTICIPATES PREDEVELOP FLOW FROM BEYOND LOT 4 PROPOSED LIMITS, CARE SHALL BE TAKEN TO ROUTE OFFSITE STORM WATER FLOW FROM DRAINING TO AND THROUGH DESIGNED FACILITIES TO BE FIELD CHECKED BY INSPECTION.

NOTE: TREE REMOVAL GREATER THAN 8" TO BE APPROVED BY HOME OWNER'S ASSOCIATION

DISTURBED AREA
34822 SF
0.80 ACRES

APPROVED
8/1/08
Date
Engineer

RECEIVED
AUG 04 2008

GRAPHIC SCALE
(IN FEET)
1 inch = 20 ft.

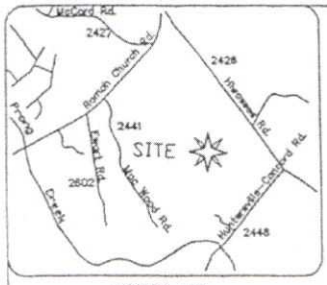
ENGINEER – SURVEYOR – PLANNER
3620 PIEDMONT ROW DRIVE, SUITE 410
CHARLOTTE, NORTH CAROLINA 28287
PHONE: (704) 786-1161
FAX: (704) 786-1569
WWW.CESGROUP.COM

NO.	DATE	REVISION
1	05/12/08	FIRST SUBMITTAL - HUNTERSVILLE, MECKLENBURG CTY
2	06/27/08	REVISIONS PER TOWN COMMENTS
3	07/22/08	REVISIONS PER LYDIA LAND DEVELOPMENT

PROJECT NUMBER: 070303.104
PROJECT MANAGER: DFR
DESIGNED BY: CES
DRAWN BY: MRG
1" = 20'
DATE: 03/11/08

LOT 4 PAVILION
RESIDENTIAL SITE PLAN – LID MEASURES
15328 PAVILION HILL CIRCLE
SIMONINI BUILDERS OF NC

C100



VICINITY MAP

CURVE TABLE				
CURVE	LENGTH	RADIUS	CHORD BEARING	CHORD
C1	117.55'	115.00'	N 88°03'16" W	112.50'

LINE TABLE		
LINE	BEARING	DISTANCE
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6636B

TERRY C. PHILLIPS
01942112
9515-402
LOT 1
MB 27 PG 754

REMAINS OF 30" HICKORY WITNESS BY 1 1/2" ROD

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1.31'
275.00'
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S 08°49'31" E 363.17'
12' SIDE YARD
N 17°07'23" E 353.19'
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PAVILION HILL CIRCLE

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→ 1500 GALLON SEPTIC TANK
→ 5 LINES X 100' X 3'
→ 500 TLF
→ TYPE III, 25% REDUCTION SYSTEM
Y 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 4 THE PAVILION

HUNTERSVILLE TWP., MECKLENBURG CO., NC

ADDRESS: 15328 PAVILION HILL CIRCLE, HUNTERSVILLE, NC

LOT 4, BLOCK ____, THE PAVILION

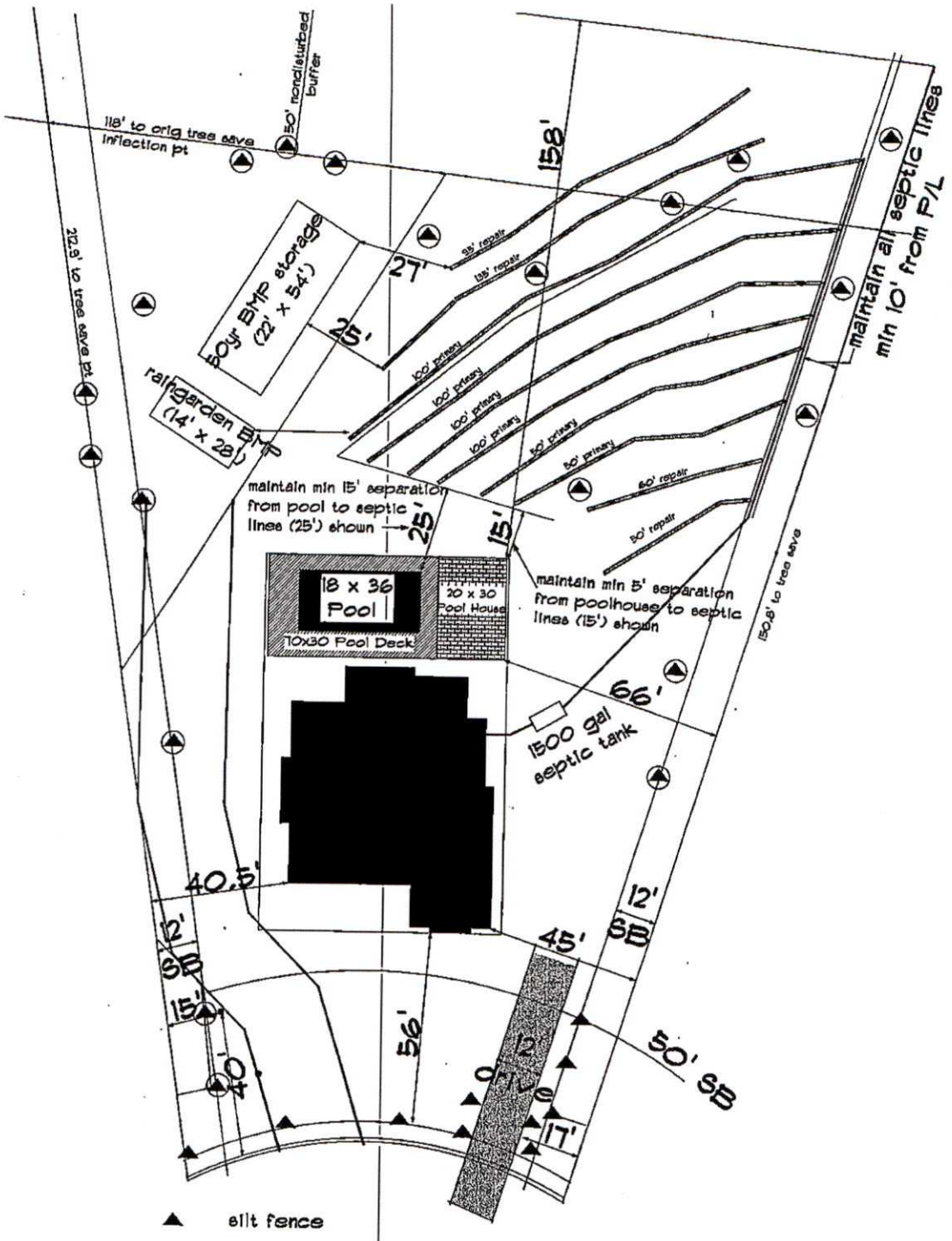
SCALE: 1 IN. = 100 FT. DATE: JUNE 21, 20 06

0 100 200 300

CONCORD ENGINEERING & SURVEYING, INC.
ENGINEERS - SURVEYORS - PLANNERS
45 SPRING STREET SW CONCORD (704) 786-5404
CONCORD, NC 28025 FAX (704) 796-7454
ACAD FILE: LOT 4.DWG

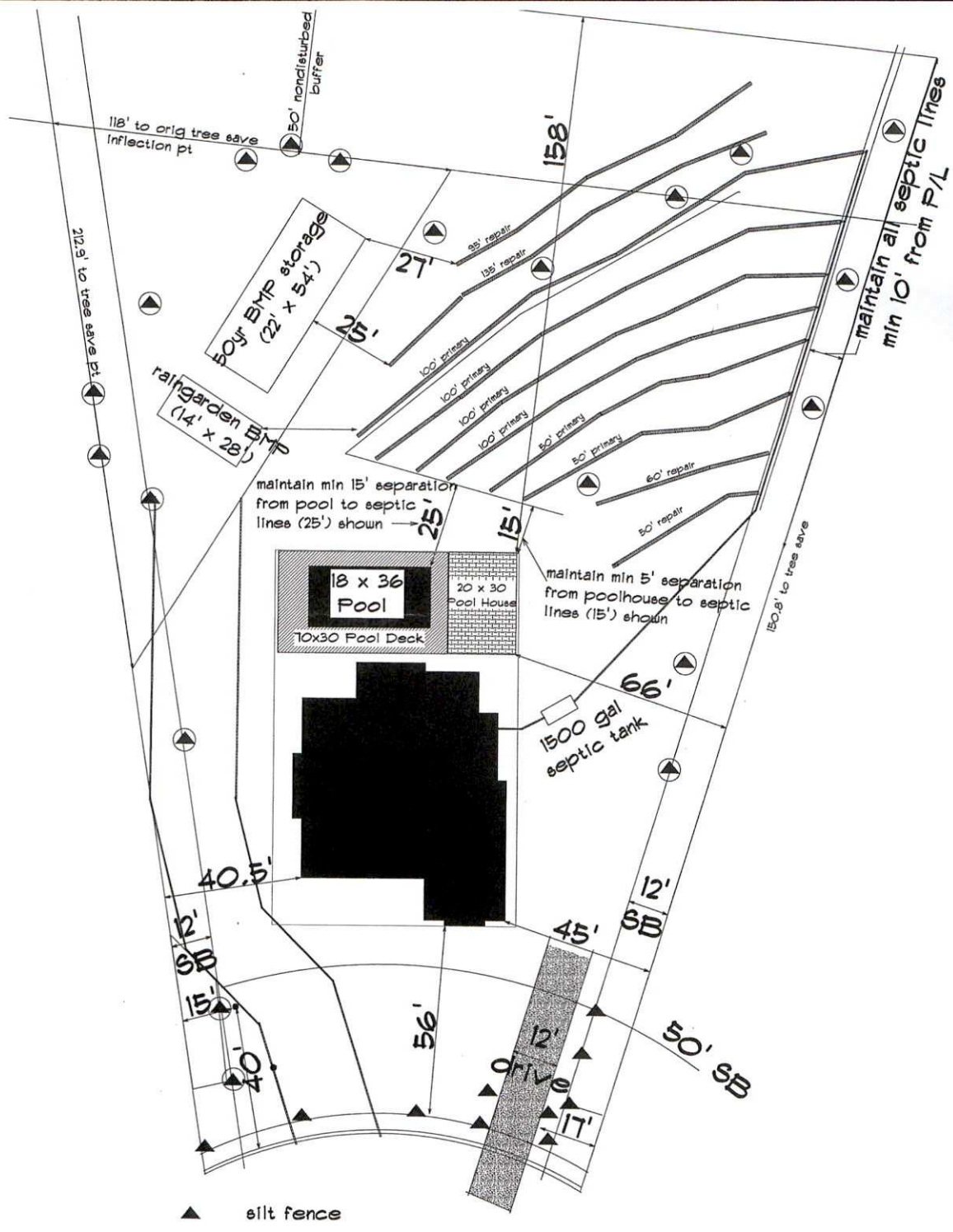
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JOB NO.: 050306.001



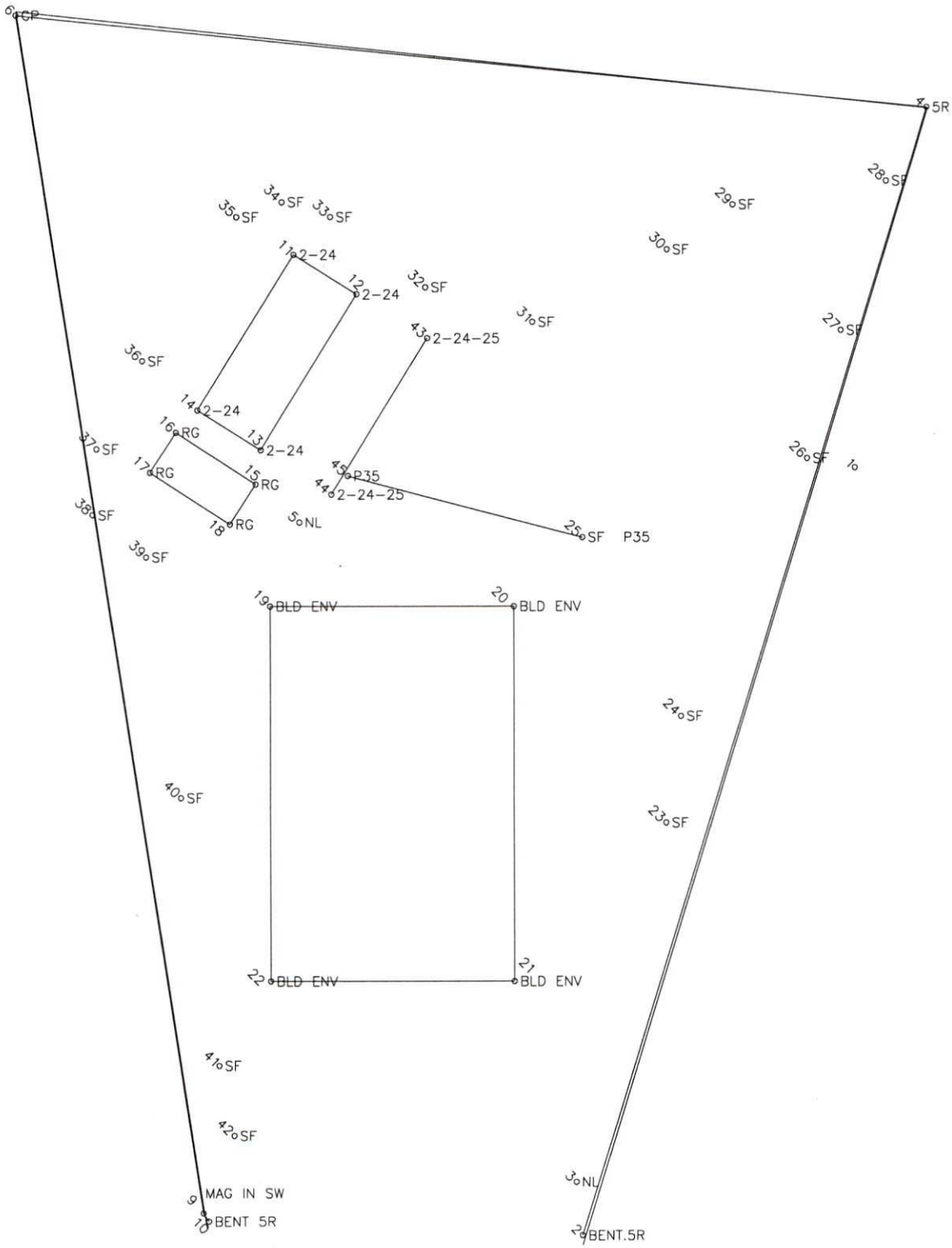
X Robert Mark Morgan

Signature


50' nondisturbed buffer
118' to orig tree save inflection pt
158'
maintain all septic lines min 10' from P/L
212.9' to tree save pt.
50yr BMP storage (22' x 54')
27'
25'
raingarden BMP (14' x 28')
35' repair
135' repair
100' primary
100' primary
100' primary
100' primary
50' primary
50' primary
60' repair
50' repair
maintain min 15' separation from pool to septic lines (25') shown
25'
15'
18 x 36 Pool
20 x 30 Pool House
10x30 Pool Deck
maintain min 5' separation from poolhouse to septic lines (15') shown
150.8' to tree save
66'
1500 gal septic tank
40.5'
12'
SB
12'
SB
45'
12'
SB
15'
40'
56'
12' Drive
50' SB
17'
silt fence

X _____

Signature


6 CP
4 5R
28 SF
29 SF
34 SF
33 SF
35 SF
30 SF
11 2-24
12 2-24
32 SF
31 SF
27 SF
43 2-24-25
36 SF
14 2-24
16 RG
13 2-24
37 SF
17 RG
15 RG
45 P35
44 2-24-25
26 SF
10
38 SF
18 RG
5 NL
25 SF P35
39 SF
19 BLD ENV
20 BLD ENV
24 SF
40 SF
23 SF
22 BLD ENV
21 BLD ENV
41 SF
42 SF
9 MAG IN SW
10 BENT 5R
3 NL
2 BENT.5R

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 #: 4
File #: 6636B
AppID: 1077
Code: 1

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Simonini Builders
Applicant: Kenny Owens
Address: 1910 South Boulevard, Suite 200, Charlotte, N. C. 28203
Date Evaluated: 11/1/06
Proposed Facility: Residence
Design Flow (.1949): 600gpd
Property Size: 1.53a
Location of Site: Pavilion Hill Circle
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	0-5	GR/CL	FR/SEXP/SS/SP	>48" TO SOIL WETNESS	48+	N/A	NONE	PS, IV .3GPD/FT^2
		5-43	SBK/C	FI/SEXP/S/P					
		43-48	SBK/CL	FR/SEXP/SS/SP					
2	"	0-3	GR/CL	"	>46" TO SOIL WETNESS	46	"	"	PS, IV .325GPD/FT^2
		3-28	SBK/C	FI/SEXP/S/P					
		28-46	SBK/CL	FR/SEXP/SS/SP					
3	"	0-3	GR/CL	"	>41" TO SOIL WETNESS	41	"	"	"
		3-29	SBK/C	FI/SEXP/S/P					
		29-41	SBK/CL	FR/SEXP/SS/SP					
4	"	0-3	GR/CL	"	>49" TO SOIL WETNESS	49	"	"	"
		3-28	SBK/C	FI/SEXP/S/P					
		28-49	SBK/CL	FR/SEXP/SS/SP					
5	"	0-4	GR/CL	"	>48" TO SOIL WETNESS	48	"	"	PS, IV .3GPD/FT^2
		4-36	SBK/C	FI/SEXP/S/P					
		36-48	SBK/CL	FR/SEXP/SS/SP					
6	"	0-3	GR/CL	"	"	"	"	"	"
		3-36	SBK/C	FI/SEXP/S/P					
		36-48	SBK/CL	FR/SEXP/SS/SP					

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

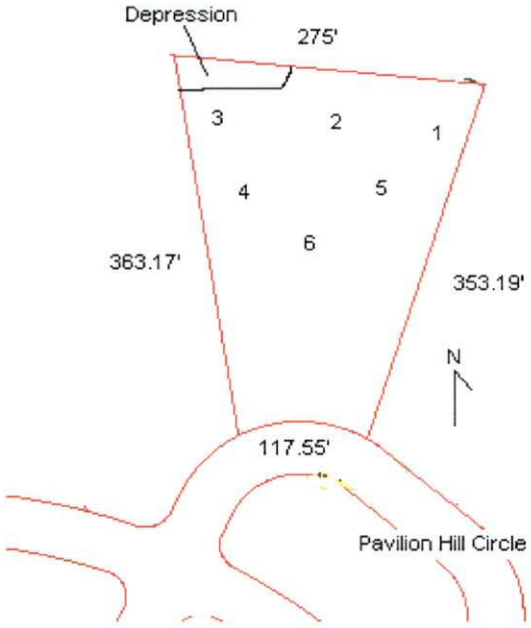
Other Factors (.1946):
Site Classification (.1948): PROVISIONALLY SUITABLE
Evaluated By: W. R. Marlin, LSS, 11/3/2006.
Others Present:

COMMENTS:
100% repair, house site not marked at the time of this investigation, advise if additional investigation is needed

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



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 #: **30007644** GWS File #: **6635B** Tax Parcel #: **019-243-21**

- 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):** 8/10/2020

Type of Installation: Residential - Modified Plot Plan Lot Number: 4

Structure Type: HOUSE Size (ft^2): 4080 # Bedrooms: 5 # Occupants: 1

Building Foundation: Crawl Space Water Supply: Private Well

II. Initial System Type: Accepted **System Classification:** IIIg

Initial System Specifications:

Design Flow (gpd):	600	LTAR (gpd/ft^2):	0.3	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	N/A
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:	Distribution Box		

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

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):	1000	Total Trench Length (ft):	333
Maximum Trench Depth (in):	30	Depth of Media (in):	N/A	Distribution Device:	Manifold (LPP Distri		

IV. Permit Conditions/Comments:

(Please See the Following Page for Permit Conditions.)

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

- No work shall be conducted on the septic system until a Pre-Construction meeting has been completed by the Department.
- The septic system installer shall be a licensed septic contractor with the North Carolina Wastewater Contractor Inspector Certification Board.
- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

Authorized Agent: Jeremy Michelone Owner/Legal Agent: Robert Mark Morgan
Print Name

Signature: Jeremy Michelone Signature: Robert Mark Morgan

Date Issued: 8/10/2015

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

NC DENR
Division of Environmental Health
On-Site Wastewater Section

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Authorized Agent: Jeremy Michelone Owner/Legal Agent: _____
Print Name

Signature: _____ Signature: _____

Date Issued: 8/10/2015

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

NC DENR
Division of Environmental Health
On-Site Wastewater Section

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

Permit #: **30007644** GWS File #: **6635B**

IV. Permit Conditions/Comments:

- This type of repair system requires the installation of a pump tank and all associated components. This type of system will require routine inspections by our office. The system owner is responsible for all fees associated with these inspections.
- This type of repair system requires the property owner to obtain a contract with a Certified Operator to perform routine inspections and maintenance on the system.
- 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 components of the septic system must be located at least 100 ft. (50 ft. minimum) from all private wells.
- All waterlines must be located a minimum of 10 ft, from any part of the septic system.
- All components of the septic system must be located a minimum distance from the normal pool elevation or mean high water mark for the nearby body of water. See plot plan for minimum setback requirements.
- The invert of the sewer pipe exiting the structrue should be kept as high as possible in order to achieve gravity flow to the drain field. A dosing tank will be required if gravity flow to the drain field can not be achieved.
- Flow from all gutters and downspouts shall be directed not to discharge water onto or across any part of the septic system.
- Foundation drains shall be constructed not to discharge water onto or across any part of the septic system.

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

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

Authorized Agent: Jeremy Michelone

Signature: [signature]

Date Issued: 8/10/2015

Owner/Legal Agent: Robert Mark Morgan
Print Name

Signature: Robert Mark Morgan

Mecklenburg County Groundwater & Wastewater Services
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NC DENR
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- The septic system installer shall be a licensed septic contractor with the North Carolina Wastewater Contractor Inspector Certification Board.
- The permitted system shall be installed in accordance with the included PLOT PLAN.
- This IMPROVEMENT PERMIT is transferable.

Authorized Agent: Jeremy Michelone Owner/Legal Agent: _____
Print Name

Signature: _____ Signature: _____

Date Issued: 8/10/2015

S

FEE: 200.00
DATE:8/25/2015

MECKLENBURG COUNTY
GROUNDWATER & WASTEWATER SERVICES

FILE NUMBER: 6636B

PERMIT NUMBER: 30007644

PARCEL NUMBER: 01924321

JOB LOCATION INFORMATION

ADDRESS: 15328 PAVILION HILL CIR

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

ISSUED TO: ROBERT L MORGAN JR

CONSTRUCTION AUTHORIZATION ISSUANCE DATE: 8/25/2015

CONSTRUCTION AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NUMBER 30007644, AND THE ATTACHED SITE PLAN WITH SYSTEM DETAILS. CONSTRUCTION AND INSTALLATION MUST ALSO MEET ALL REQUIREMENTS SET FORTH IN THE RULES GOVERNING SANITARY SEWAGE COLLECTION, TREATMENT, AND DISPOSAL AND ANY OTHER APPLICABLE RULES AND LAWS.

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

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

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

Mecklenburg County 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 # 1160268 App # 7644 Tax Parcel # 019-243-21

Property Owner: Morgan

Job Location Address: 15328 Pavilion Hill Circle

City: Huntersville State: NC Zip Code: ~~28031~~ 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 Arnett _____ 4/19/dle

Authorized Agent **Date**

Craig, Mark

Others Present

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

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

File #: 6636B Permit #: 7644 Tax Parcel #: 019-243-21

Property Owner: ROBERT L. MORGAN

Job Location Address: 15328 PAWSON HILL CIRCLE

City: Huntersville State: NC Zip Code: 28078

Operation Permit Issuance Date: 4/21/16 Contractor Name: TOMMY FRYE

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

Liquid Capacity of Septic Tank: 1500 gallons Manufacture TAYLORSVILLE Effluent Pump Model: —

Drainfield Installation ☐ N/A

Trench Depth: 28 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 500 feet

# of Lines: 4 @ 125 feet

Depth of Media: 12 inches (Type) IQ4W

Depth of Cover: 16 inches

Distribution Device: END-CAP

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: 24 feet

Distance from Property Line: 10' feet

Distance from Water Supply Source: 125 feet

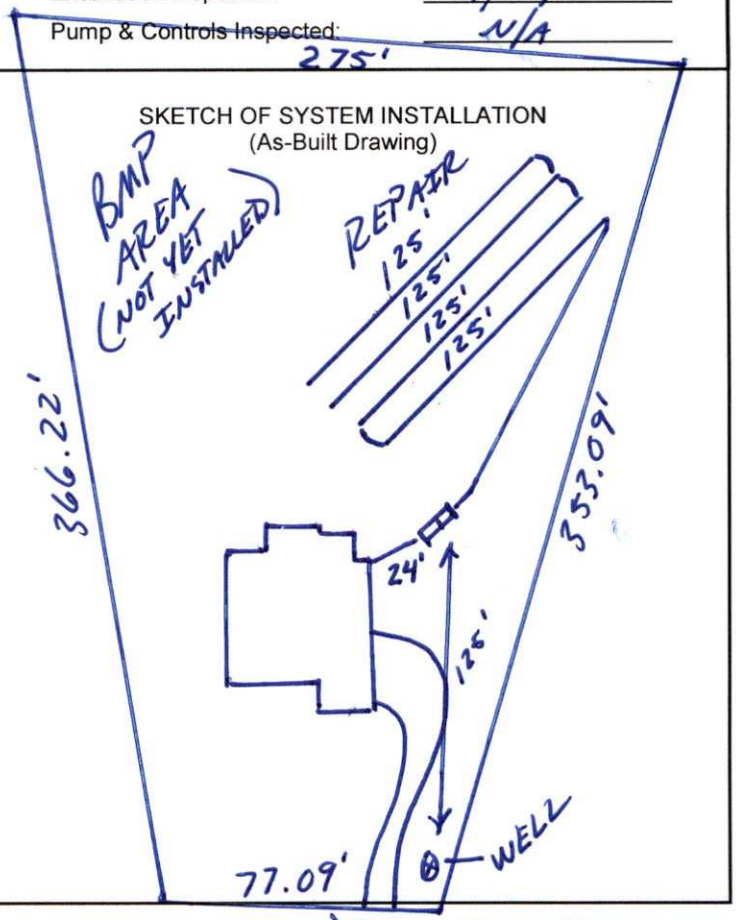
Inspection Dates

Tank(s) Inspected: 4/21/16

Excavation Inspected: 4/21/16

Pump & Controls Inspected: N/A

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 g, GRAVITY, IQ4W, NA, NA

DENR Authorized Agent: Jeremy Michalec REHS Signature: Jeremy Michalec 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 #: 6636B Permit #: 7644 Tax Parcel #: 019-243-21

Property Owner: ROBERT G. MORGAN

Job Location Address: 15328 Pavilion Hill Circle

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: IIIg

*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: 5 BEDROOM System

DENR Authorized Agent: Jeremy Michlin, REHS Date: 4/21/16

Signature: Jeremy Michlin REHS

Groundwater & Wastewater Services
Septic Project File & Data Review Worksheet

GWS File #: 6636B WASPS App #: 1077

Primary ES assigned to project: BJ

Secondary ES assigned to project:

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

I. File Review:

Rule or Law	Permit Application			
.1937(d)	Is the Application complete	Yes ☑	No ☐	N/A ☐
.1937(d)	Is there a Site plan/Plat with application	Yes ☑	No ☐	N/A ☐
.1937(d)	Is the Facility shown?	Yes ☑	No ☐	N/A ☐
.1937(d)	Are appurtenances shown	Yes ☑	No ☐	N/A ☐
	Site Evaluation Information			
.1939 (a)(1)	Topography and Landscape Position Recorded?	Yes ☑	No ☐	N/A ☐
.1940 (a-g)	Slope % Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(2)	Texture Class Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(2)	Structure type Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(2)	Consistence Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(2)	Mineralogy Recorded?	Yes ☑	No ☐	N/A ☐
.1939 (a)(3)	Soil Wetness Condition Recorded?	Yes ☐	No ☐	N/A ☑
.1939 (a)(4)	Soil Depth to Rock or Parent Material Recorded When Encountered	Yes ☐	No ☐	N/A ☑
.1939 (a)(5)	Depth to Restrictive Horizons Recorded When Encountered?	Yes ☐	No ☐	N/A ☑
.1939 (a)(6)	Sufficient Available Space Recorded?	Yes ☑	No ☐	N/A ☐
.1937(m)	Are the Profile Locations Shown?			
.1939(a)	Are the S/PS Profiles in system & in repair area?	Yes ☑	No ☐	N/A ☐
& .1945(b)	Number of auger borings made: 6 Were sufficient auger borings made?	Yes ☐	No ☐	N/A ☐
.1939(d), .1955, .1956, .1957	LTAR .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: _____

OP issued date: _____

Review performed by: _____ Date performed: _____

6636B

MECKLENBURG COUNTY
GROUNDWATER & WASTEWATER SERVICES

3742 - PW

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: ☐ NONE ☐ NEW SYSTEM ☐ ALTERATION ☐ REPAIR ■ MODIFIED PLOT PLAN

2. WELL / TYPE APPLICATION: ☐ NONE ☐ NEW WELL ☐ MAJOR REPAIR ☐ ABANDONMENT

3. JOB LOCATION INFORMATION:

TAX PARCEL NUMBER: BUILDING TYPE: 019-243-21

STREET ADDRESS: 15328 Pavilion Hill Circle

CITY: Huntersville

STATE: NC **ZIP:** 28078

SUBDIVISION NAME: Pavilion

LOT #: 4 **LOT SIZE (acres):** 1.535

TOWNSHIP:

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

4. BUILDING INFORMATION:

BUILDING TYPE:

☐ SINGLE MOBILE HOME ☐ MODULAR HOME
☐ DOUBLE WIDE ☐ MULTIPLE FAMILY
■ HOUSE ☐ OTHER _____

HEATED SQUARE FOOTAGE: 4500

NUMBER OF BEDROOMS: 5

NUMBER OF OCCUPANTS: 4

FOUNDATION TYPE:

☐ CONCRETE SLAB ☐ BASEMENT WITH PLUMBING
■ CRAWL SPACE ☐ BASMENT WITH NO PLUMBING

5. IF PLANNING TO EXPAND OR ALTER THE EXISTING 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 ☐ PUBLIC WELL ■ PRIVATE WELL ☐ SHARED WELL ☐ SPRING

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):*

☐ ANY TYPE ■ CONVENTIONAL ☐ ACCEPTED ☐ INNOVATIVE ☐ ALTERNATIVE ☐ OTHER _____

8A. RANK: 1 2 3 4 5

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? 4-27-07 ☐ UNKNOWN

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

12. PROPERTY OWNER:

NAME: Simonini Builders of NC LLC
ADDRESS: 1910 South Blvd.
CITY: Charlotte
STATE: NC ZIP: 28023
HOME PHONE: WORK PHONE: 704-358-9940
MOBILE PHONE: FAX: 704-358-9978

13. OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:

NAME: Victory Tucker For on site meeting call Rick Jasinski
ADDRESS: 1910 South Blvd.
CITY: Charlotte
STATE: NC ZIP: 28023
HOME PHONE: WORK PHONE: 704-201-8976
MOBILE PHONE: FAX: 704-358-9978

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

Revised on : 7/1/08

14. SEPTIC SYSTEM PERMIT APPLICATION SIGNATURE SECTION:

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 60 months or is non-expiring depending upon the documentation submitted: complete site plan = 60 months, complete plat = non-expiring.

YT (Initial here for septic system applications)

15. WELL PERMIT APPLICATION SIGNATURE SECTION:

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 12 months from the date of issuance.

YT (Initial here for septic system applications)

16. APPLICATION SIGNATURE SECTION:

ONLY COMPELETE APPLICATION 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.

Victoria H Tucker — Property Owner's or Owner's Legal Representative Signature

7-23-08 — Date

OFFICE USE ONLY

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

SEPTIC APPLICATION FEES RECEIVED: $ 100 CK DATE FEE RECEIVED: 7/23/08

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

APPLICATION PROCESSED BY: JC

GWS FILE NUMBER ASSIGNED: 6636B

APPLICATION ID NUMBER ASSIGNED: 3742

COMMENTS:

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

Revised on 7/1/08

1077

GWS – RES. APP 07/05

SEPTIC FEE: 200 on check
DATE: 7/3/06
CRT'L #: JC

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'L #:

FILE # 66360

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: Hunterville - Concord RD
CITY: Hunterville
STATE: NC ZIP:
SUBDIVISION OR MOBILE HOME PARK NAME: The Pavilion
LOT #: 4
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

Contact Rick Gessionski

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

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-[illegible]
MOBILE PHONE: 704-502-5588 FAX: 704-541-8094

ACC # X39501

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.

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 #: **30001077** GWS File #: **6636B** Tax Parcel #: **019-243-21**

- 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: 4

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

Building Foundation: Basement With Plumbing Water Supply: Private Well

II. Initial System Type: Approved **System Classification:** IIIg

Initial System Specifications:

Design Flow (gpd):	600	LTAR (gpd/ft^2):	0.3	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	N/A
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:	Distribution Box		

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

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):	1000	Total Trench Length (ft):	333
Maximum Trench Depth (in):	30	Depth of Media (in):	12	Distribution Device:	Manifold (LPP Distri		

IV. Permit Conditions/Comments:

(Please See the Following Page for Permit Conditions.)

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

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

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

Signature: Jeremy Michelone, R.S. Signature: _____

Date Issued: 1/26/2007

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 #: **30001077** GWS File #: **6636B**

IV. Permit Conditions/Comments:

- All drainage improvements (swales, interceptor drains, etc.) noted on the plot plan must be inspected and approved prior to issuance of an Operation Permit.
- This type of repair system requires the installation of a pump tank and all associated components. This type of system will require routine inspections by our office. The system owner is responsible for all fees associated with these inspections.
- This type of repair system requires the property owner to obtain a contract with a Certified Operator to perform routine inspections and maintenance on the system.
- 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 components of the septic system must be installed in accordance with the required setbacks listed on the corresponding plot plan.
- All components of the septic system must be located a minimum distance from the normal pool elevation or mean high water mark for the nearby body of water. See plot plan for minimum setback requirements.

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: _____
Print Name

Signature: _____

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	07/23/08	**Amount:**	100.00
Receipt #:	58352	**Tendered:**	0.00
Check / Auth #:	CHARGE	**Returned:**	0.00
Received By:	CRAIGGY		

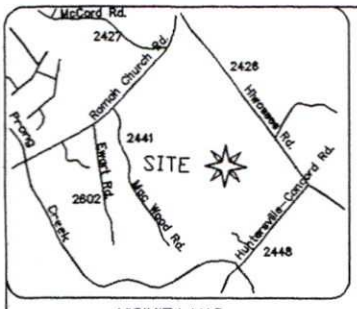
Account Information

Account #: X39501
Contractor: SIMONINI BUILDERS OF NC LLC
Attn:
Address: 1910 SOUTH BOULEVARD STE 200
Address:
City/State/Zip: CHARLOTTE, NC 28203

Item	Description	Permit#	Quantity	Unit Price	Total Price
0704	Change in Plot Plan 15328 Pavillion Hill Circle/file 6636B		1	100.00	100.00

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

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
	-2,420.28				



VICINITY MAP

CURVE TABLE				
CURVE	LENGTH	RADIUS	CHORD BEARING	CHORD
C1	117.55'	115.00'	N 88°03'16" W	112.50'

LINE TABLE		
LINE	BEARING	DISTANCE
L1	S 28°21'35" E	3.05'

6636B

TERRY C. PHILLIPS
01942112
9515-402
LOT 1
MB 27 PG 754

REMAINS OF
30" HICKORY
WITNESS BY
1 1/2" ROD

47.96'
1.31'
275.00'
S 84°11'21" E 625.75' TOTAL
50' REAR YARD
S 08°49'31" E 363.17'
12' SIDE YARD
N 17°07'23" E 353.19'
4
1.536 ACRES
15328
5
3
50' SETBACK
L1
C1
50' PUBLIC R/W
PAVILION HILL CIRCLE

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 4 THE PAVILION

HUNTERSVILLE TWP., MECKLENBURG CO., NC

ADDRESS: 15328 PAVILION HILL CIRCLE, HUNTERSVILLE, NC

LOT 4, 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 4.DWG

© CESI 2006

JOB NO.: 050306.001

FRAMING NOTES _ OTHER THAN ROOF

1. Lap 2x10 & 2x12 FJs and CJs min 9" over underslung beams and over bearing walls. Use min of four 16d nails in each lap.

2. Nail multiple member built-up girders with two rows of 16d nails staggered at 24" oc, 2" down from top and 2" up from bottom.

3. Where partitions fall between floor joists or trusses, place double joists (DJ) as shown.

4. Headers shall be dbl 2x10 w/ 7/16" OSB unless noted differently. Number of jack studs as shown on openings > 4'

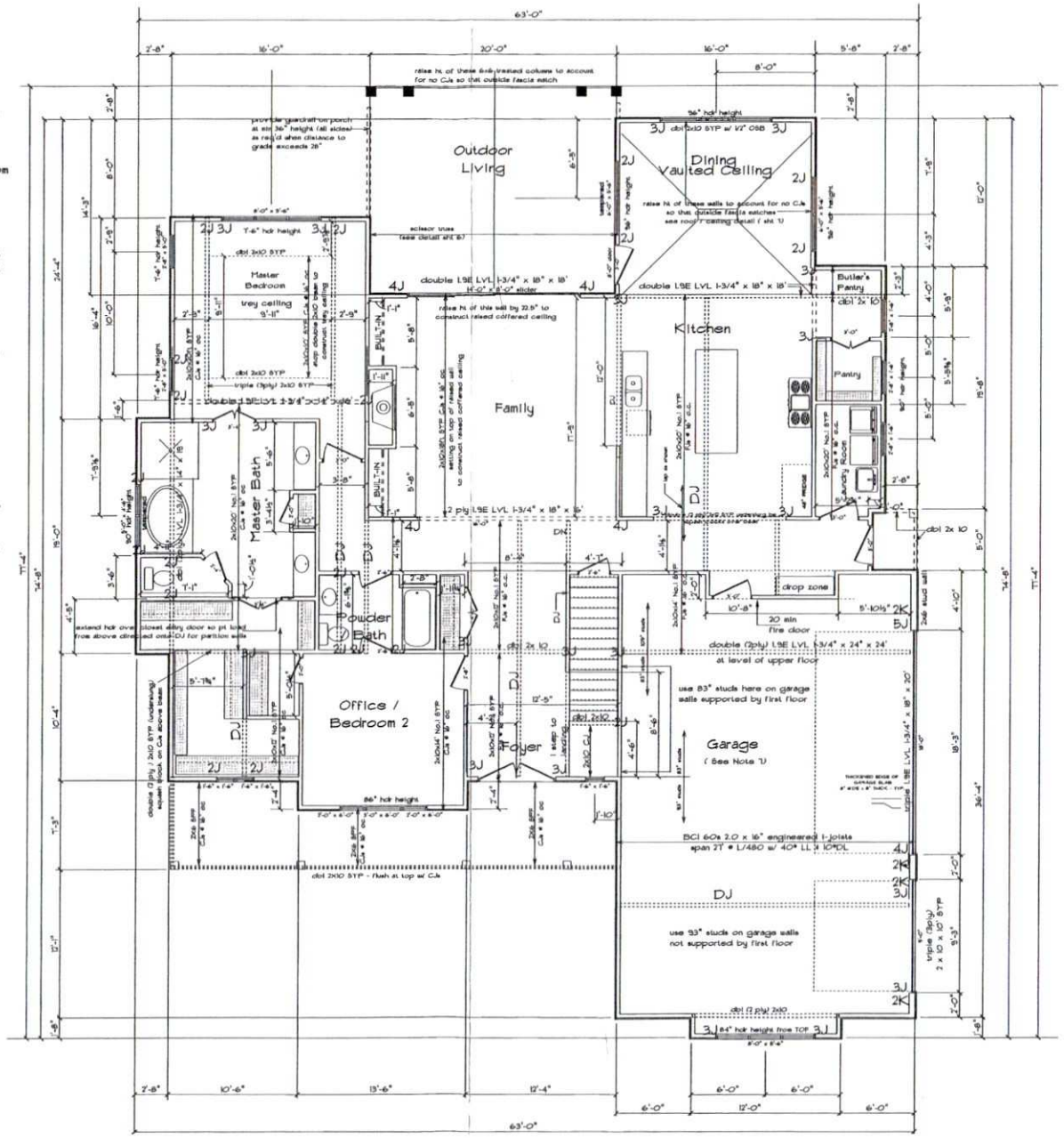
5. Number of jacks specified at all point load locations.

6. Main and Upper floors are 9ft stud walls unless shown otherwise

7. Garage ceiling finished with 5/8" Type X sheetrock with finished joints (habitable room above). Other garage interior walls finished with 1/2" sheetrock with finished joints.

8. The lowest part of the clear opening of all operable windows located more than 72" above the finished grade (or above the surface below), shall be a minimum of 24" above the finished floor of the room in which the window is located; or, such window shall have a restricted opening not permitting the opening to allow passage of a four inch diameter sphere.

9. See separate sheets for Braced Wall Panel details.



AREA CALCULATIONS

MAIN FLOOR HEATED	2,350
UPPER FLOOR HEATED	1730
TOTAL HEATED	4080
GARAGE	910
COVERED PORCHES	580
TOTAL UNDER ROOF	5570

Main Level

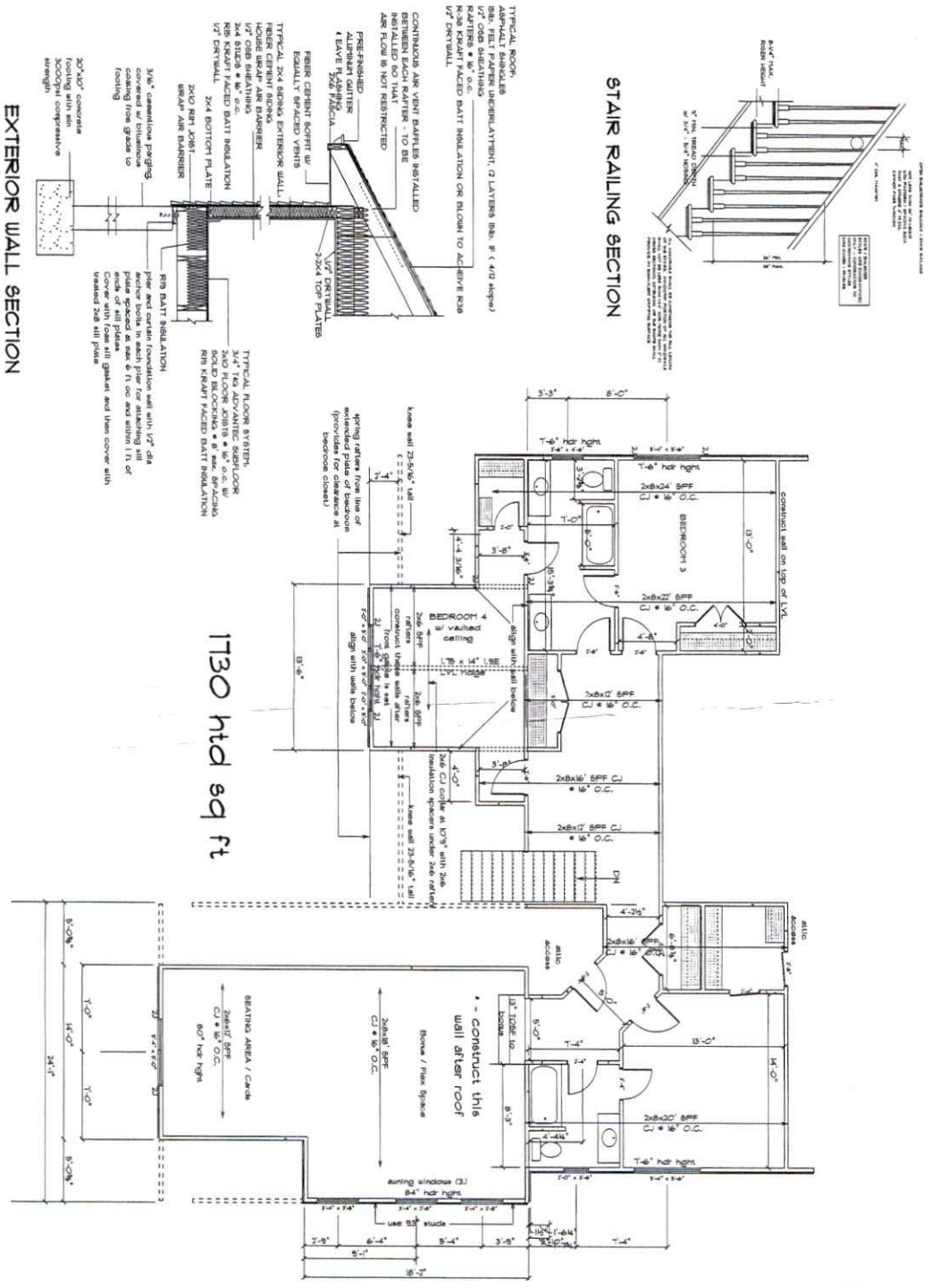
Scale 1/4" = 1'

SHEET NO. 2

JOB ADDRESS:
Pavillion Lot 4
15328 Pavillion Hill Cir
Huntersville, NC 28078

R. MORGAN HOMES
MARK MORGAN
704-582-3818
mark@rmorganhomes.com
P.O. BOX 375
HUNTERSVILLE, NC 28070

ENGINEER:
ROBERT L. MORGAN JR.
704-607-4438
14101 BLACK FARMS RD.
HUNTERSVILLE, NC 28078



Upper Level

Scale 1/4" = 1'

SHEET NO.

3

JOB ADDRESS:

Pavilion Lot 4
15328 Pavilion Hill Cir
Huntersville, NC 28078

R. MORGAN HOMES
MARK MORGAN
704-582-3818
mark@rmorganhomes.com
P.O. BOX 375
HUNTERSVILLE, NC 28070

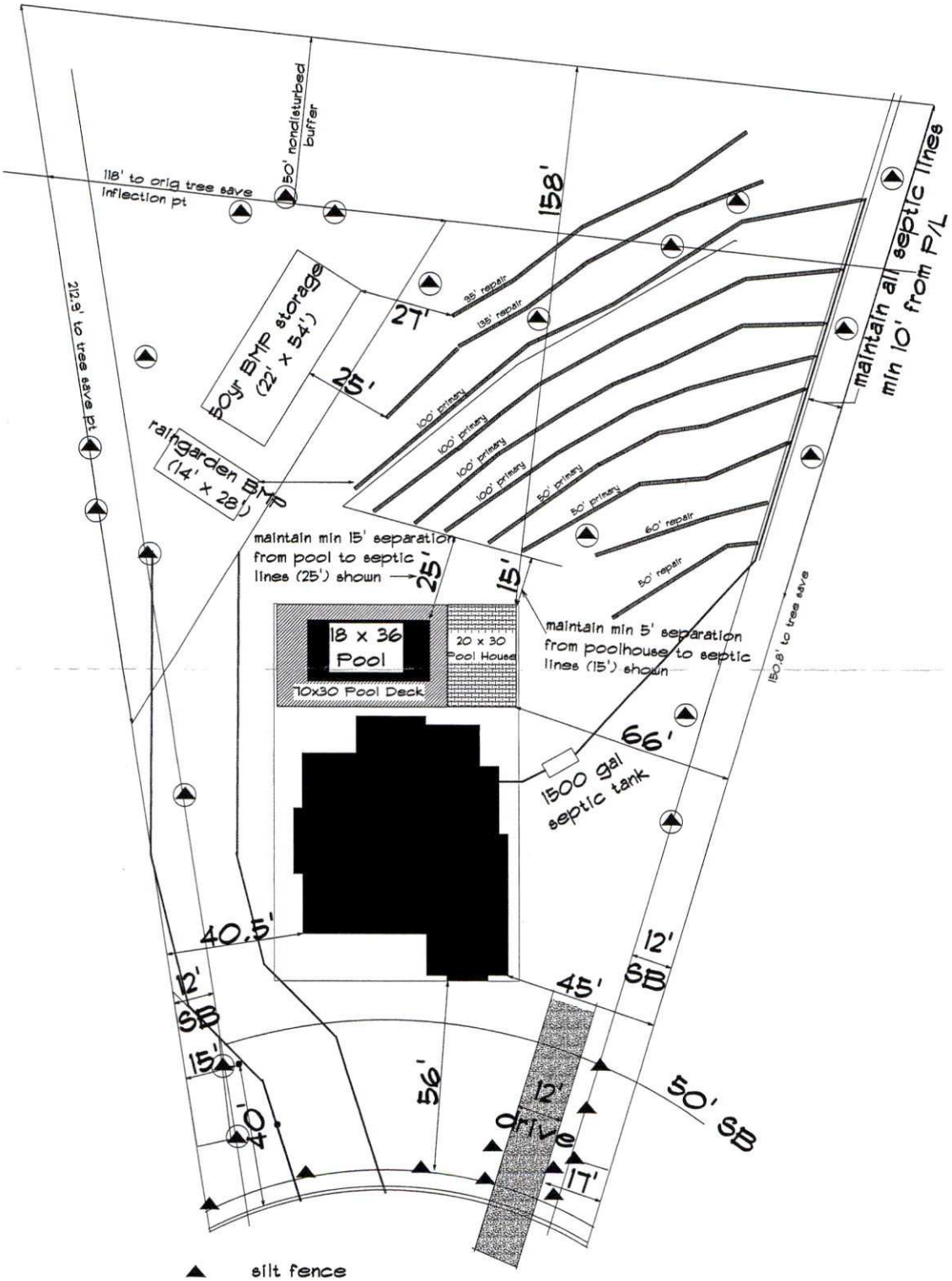
NORTH CAROLINA REGISTERED PROFESSIONAL ENGINEER SEAL 11788 ROBERT L. MORGAN JR.

Robert L. Morgan Jr.
8-25-15

ENGINEER:
ROBERT L. MORGAN JR.
704-607-4438
14101 BLACK FARMS RD.
HUNTERSVILLE, NC 28078

15328 Pavilion Hill Circle

File # 6635B
Permit # 7644
Parcel # 019-243-21



▲ silt fence

15328 Pavilion Hill Cir
Pavilion Lot 4
1.536 ac.

scale 1" = 30'

Jerry McArthur, RLA
8/10/15