

13504 PAVILION ESTATES DR

01924316

1/11/2008

duponbj

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

EHS Jer Much Reviewer KCB

6952 D County Permit Review Worksheet

Rule or Law	Permit Application	1	2	3	4	5	6	7	8	9	10
.1937(d)	Is the Application complete	✓									
.1937(d)	Is there a Site plan/Plat with application	✓									
.1937(d)	Is the Facilityshown?	✓									
.1937(d)	Are appurtenances shown	✓									
	Site Evaluation Information										
.1939 (a)(1)	Topography and Landscape Position Recorded?	✓									
.1940 (a-g)	Slope % Recorded?	✓									
.1939 (a)(2)	Texture Class Recorded?	✓									
.1939 (a)(2)	Structure type Recorded?	✓									
.1939 (a)(2)	Consistence Recorded?	✓									
.1939 (a)(2)	Mineralogy Recorded?	✓									
.1939 (a)(3)	Soil Wetness Condition Recorded?	✓									
.1939 (a)(4)	Soil Depth to Rock or Parent Material Recorded When Encountered?	✓									
.1939 (a)(5)	Depth to Restrictive Horizons Recorded When Encountered?	✓									
.1939 (a)(6)	Sufficient Available Space Recorded?	✓									
.1937(m)	Are the Profile Locations Shown?	✓									
.1939(a) & .1945(b)	Are the S/PS Profiles in system & in repair area?	✓									
	Number of auger borings made:	✓									
	Were sufficient auger borings made?	✓									
.1939(d), .1955, .1956, .1957	LTAR										
	IP/CA										
G.S. 130A-336(a) & .1937(g)	Proposed System Type stated-Initial	✓									
.1945(b)	Proposed System Type stated-Repair	✓									
G.S. 130A-336(a)(3)	System location identifiable by setbacks - Initial	✓									
.1937(g) & .1945(b)	System components shown - Initial	✓									
.1945(b)	Repair area shown	✓									
.1937 (f)(g)	Does System design match facility, flow & WW characteristics?	✓									
.1937 (f)(g)	Is System design consistent with soil/site conditions?	✓									
.1937 (f)(g)	Is the System located in the approved area?	✓									
G.S. 130A-336(a)	Is the Design flow (gpd) indicated?	✓									
G.S. 130A-336(a)	Number of Bedrooms, employees, seats, etc. indicated?	✓									
.1937(g)	Trench depth indicated?	✓									
.1937(g)	Trench width indicated?	✓									
.1937(g)	Trench length indicated?	✓									
G.S. 130A-336(a)(1)	Proposed/existing well shown?	✓									
G.S. 130A-336(a)(1)	Property line lengths shown?	✓									
G.S. 130A-336(a)	Facility/appurtenance setbacks shown from fixed points?	✓									
	OP										
.1937(i)	System type as described in table V(a) of rule .1961										
.1937(i)	Conditions for system performance, operation, maintenance, monitoring and reporting.										

If system design is incorrect or inconsistent with site conditions, indicate why for each below

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 #: **30001909** GWS File #: **6952B** 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):** 2/27/2012

Type of Installation: Residential - New System Lot Number: 9

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: 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):	999	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 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: 2/27/2007

Owner/Legal Agent: Phil Jasinski
Print Name

Signature: Phil 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 #: **30001909** GWS File #: **6952B**

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

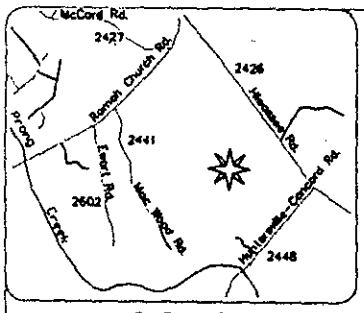
DENR Authorized Agent: Jeremy Michelone

Signature: _____

Date Issued: 2/27/2007

Owner/Legal Agent: Rick Jasinski
Print Name

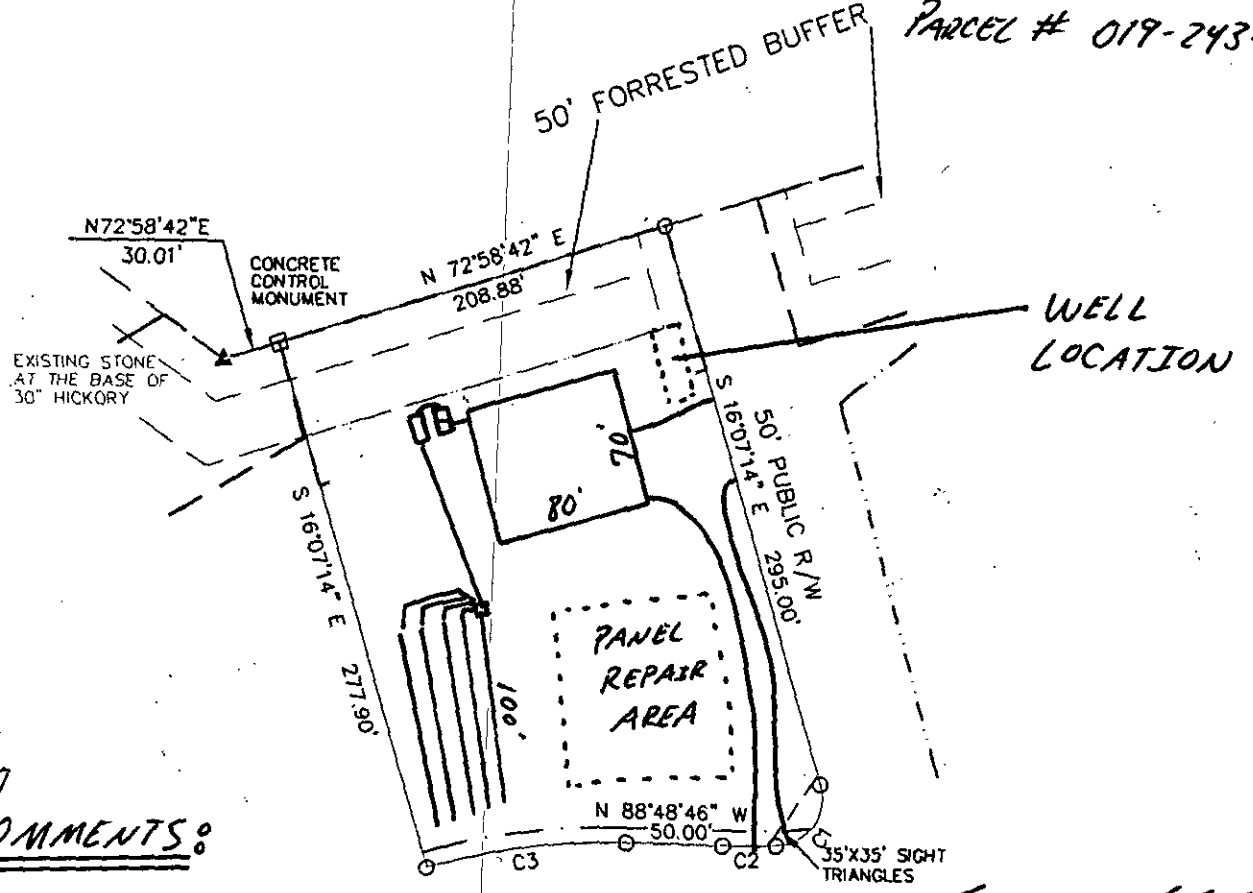
Signature: _____



VICINITY MAP

CURVE TABLE				
CURVE	LENGTH	RADIUS	CHORD BEARING	CHORD
C1	45.36'	25.00'	N 35°51'45" E	39.39'
C2	27.70'	475.00'	N 89°30'59" E	27.70'
C3	105.00'	347.60'	S 82°32'00" W	104.60'

FILE # 6952B
PERMIT # 1909
PARCEL # 019-243-16



Jerry Mackie, P.S. 2/27/07

COMMENTS:

- 5 BEDROOM HOUSE W/ BASEMENT + PLUMBING
- 1500 SEPTIC
- 1500 PUMP
- 5 LINES X 100' X 3'
- 500 TLF
- TYPE III-S PUMP TO 25% RED.
- PANEL BLOCK REPAIR AREA

Rob Jarvis 4/30/07

- O 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

HUNTERSVILLE TWP., MECKLENBURG CO., NC

ADDRESS: 13504 PAVILION ESTATES DRIVE, HUNTERSVILLE, NC

LOT 8, BLOCK —, THE PAVILION

SCALE: 1 IN. = 100 FT. DATE: JANUARY 30, 20 07

0 100 200 300

CONC-RD ENGINEERING & SURVEYING, INC.
ENGINEERS - SURVEYORS - PLANNERS
45 SPRING STREET SW CONCORD (704) 786-5404
CONCORD, NC 28025 FAX (704) 786-7454
ACAD FILE: LOT 9.DWG

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

Sheet: 1 of 2
Property ID: 019-243-16
Lot #: 9
File #: 6952B
AppID: 1909

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Simoni Builders
Applicant: Kenny Owens
Address: 1910 South Blvd., Ste 200, Charlotte, N. C. 28203
Date Evaluated: 2/9/07
Proposed Facility: Residence
Design Flow (.1949): 600gpd
Property Size: 1.42a
Location of Site: 13504 Pavilion Estates Drive
Property Recorded:
Water Supply: [ ] Public [x] Individual [x] Well [ ] Spring [ ] Other
Evaluation Method: [ ] Auger Boring [x] Pit [ ] Cut
Type of Wastewater: [x] Sewage [ ] Industrial Process [ ] Mixed

PROFILE #	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .1941 .1941 Structure/ Texture	.1941 Consistence Mineralogy	b PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
1	LS, 15	0-8	GR/SCL	FR/SEXP/SS/SP	>51" TO SOIL WETNESS	14	PS	NONE	PS, SAP II .4GPD/FT^2
		8-14	SBK/SCL	FR/SEXP/SS/SP					
		14-51	M/SL	FRSEXP/NS/NP					
2	"	0-4	GR/SCL	FR/SEXP/SS/SP	>37" TO SOIL WETNESS	37	N/A	"	PS, IV .25GPD/FT^2
		4-37	SBK/ABK/C	FI/SEXP/S/P					
3	"	0-6	GR/CL	FR/SEXP/SS/SP	>49" TO SOIL WETNESS	49+	"	"	PS, IV .3GPD/FT^2
		6-26	SBK/C	FI/SEXP/S/P					
		26-49	SBK/CL	FR/SEXP/SS/SP					
4	"	0-7	GR/SCL	"	>60" TO SOIL WETNESS	60	"	"	"
		7-29	SBK/C	FI/SEXP/S/P					
		29-60	SBK/CL	FR/SEXP/SS/SP					
5	"	0-4	GR/SCL	"	>60" TO SOIL WETNESS	28	PS	"	PS, SAP II .4GPD/FT^2
		4-10	SBK/ABK/C	FI/SEXP/S/P					
		10-28	SBK/SCL	FR/SEXP/SS/SP					
		28-60	M/SL	FR/SEXP/NS/NP					

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	III b	IV a
Site LTAR	.3	.3

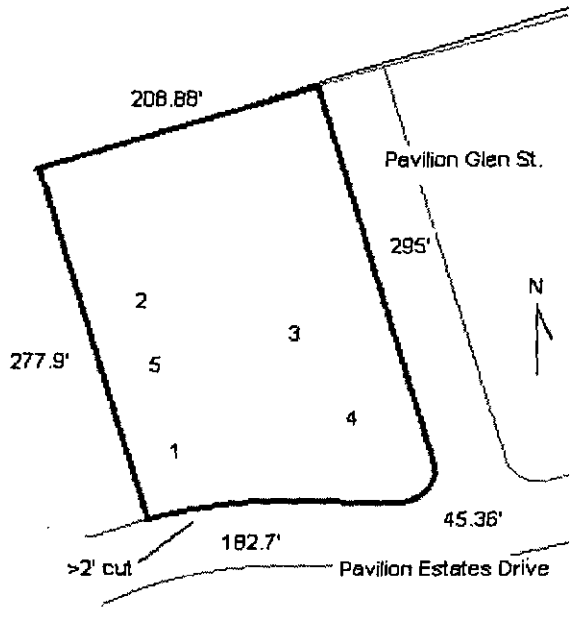
Other Factors (.1946):
Soil Evaluation By: W. R. Marlin, LSS, 2/15/2007 W. R. Marlin
Others Present: K. Owens
Site Classification (.1948):
Site Evaluation By:
Others Present:

COMMENTS:
100% repair, use .4GPD/FT^2 1 & 5, .3GPD/FT^2 pits 3 & 4

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



GWS – RES. APP 07/05

SEPTIC FEE: 200 cert
DATE: 2/2/07
SPLIT: JJC

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: 1909
DATE:
SPLIT:

FILE # 6952B

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: Huntersville
STATE: NC ZIP:
SUBDIVISION OR MOBILE HOME PARK NAME: The Pavilion
LOT #: 9
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-[illegible]
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.

2-1-07
Owner's/Agent's Signature Date

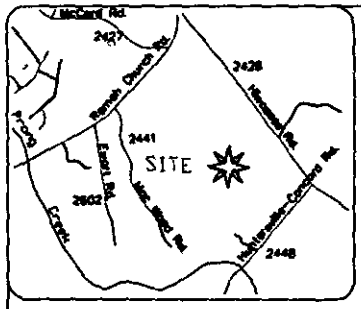
NORTH CAROLINA DEPARTMENT OF
ENVIRONMENT & NATURAL RESOURCES DIVISION
OF ENVIRONMENTAL HEALTH ON-SITE
WASTEWATER SECTION

*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

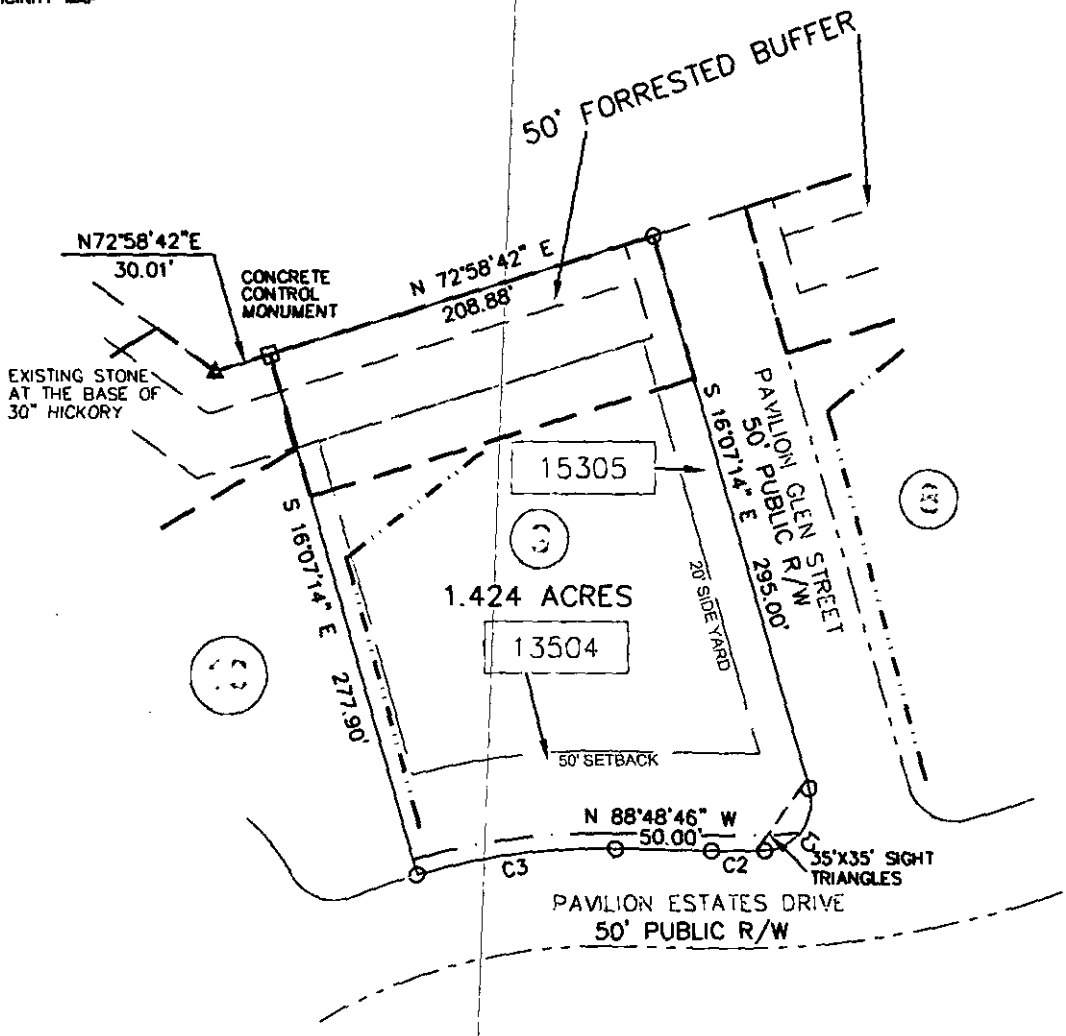
MECKLENBURG COUNTY HEALTH DEPARTMENT
GROUNDWATER & WASTEWATER SERVICES
700 N. TRYON ST., SUITE 211
CHARLOTTE, NC 28202 704-336-5103 / FAX: 704-336-6894

File 6952B



VICINITY MAP

CURVE TABLE				
CURVE	LENGTH	RADIUS	CHORD BEARING	CHORD
C1	45.36'	25.00'	N 35°51'45" E	39.39'
C2	27.70'	475.00'	N 89°30'59" E	27.70'
C3	105.00'	347.60'	S 82°32'00" W	104.60'



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 9 THE PAVILION

HUNTERSVILLE TWP., MECKLENBURG CO., NC

ADDRESS: 13504 PAVILION ESTATES DRIVE, HUNTERSVILLE, NC

LOT 8, BLOCK ___, THE PAVILION

SCALE: 1 IN. = 100 FT. DATE: JANUARY 30, 20 07

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 9.DWG