

11701 BAIN SCHOOL RD

19703319

1/11/2008

duponbj

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

FILE NUMBER: 71360 Revised On: January 3, 2007 APPLICATION NUMBER: 2307

SEPTIC FEE: $200.00
DATE: 05/05/2007
CK # 390 JB/3

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

WELL FEE: _____
DATE: _____

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: 197-033-19
STREET ADDRESS: 11701 Bain School Rd
CITY: Mint Hill
STATE: NC **ZIP:** 28227
SUBDIVISION NAME:
LOT #: 4 **LOT SIZE (acres):** 40,400
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: 3,500
NUMBER OF BEDROOMS: 4
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 ☐ GEOTHERMAL ☐ 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: ____ ____ ____ ____ ____

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 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

10. PROPERTY OWNER:

NAME: Vidal Reyna
ADDRESS: 5217 Lincoln Ave
CITY: Los Angeles
STATE: CA ZIP: 90042
HOME PHONE: 323-254-1146 WORK PHONE: (909) 770-4020
MOBILE PHONE: (909) 770-4020 FAX: (909) 494-7825

11. OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:

NAME: EMH&T
ADDRESS:
CITY:
STATE: ZIP:
HOME PHONE: WORK PHONE:
MOBILE PHONE: FAX:

12. WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED? 01/19/2007
13 WHAT IS THE ANTICIPATED CLOSING DATE FOR THIS PROPERTY? N/A

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.

Vidal Reyna 04/27/07
Property Owner's or Owner's Legal Representative Signature Date

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.

Property Owner's or Owner's Legal Representative Signature Date

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

I:\CLTDATA\CLT\PROJECT\20070624\DWG\SKETCHPLAN.DWG<LAYOUT> - NO XREFS - LAST SAVED BY REGGERS [3/29/2007 11:05:33 AM] - PLOTTED BY REGGERS [3/29/2007 11:05:34 AM]

35' SWIM Buffer

60' PUBLIC STREET R/W

60' PUBLIC STREET R/W

Jumper Drive

EXISTING HOUSE TO REMAIN

Bain School Rd

GRAPHIC SCALE

0 50 100 200

1 inch = 100 feet

DEVELOPMENT DATA

ZONING	R-3
TAX PARCEL NO.	197-03-319
NET SITE AREA	±9.90 AC.
PROPOSED NO. LOTS	9
MIN. LOT AREA	40,000 SF
MIN. LOT WIDTH	140 FT.
MIN. SETBACK	60 FT.
MIN. REAR YARD	50 FT.
MIN. SIDE YARD	20 FT.

NOTES:

1. Boundary, planimetric , and topographic information from City of Charlotte GIS data and is approximate only.

2. Layout shown is schematic in nature only, and subject to revision pending final site survey and site design.

3. Project shall comply with Town of Mint Hill zoning and subdivision ordinance regulations.

4. Project will be served with individual wells and septic field systems.

5. Project site includes SWIM buffers. Development will comply with all SWIM buffer regulations.

BAIN SCHOOL ROAD SKETCH PLAN

EMH&T

Evans, Mechwart, Hambleton, & Tilton, Inc.
Engineers · Surveyors · Planners · Scientists
8307 University Executive Park Drive, Suite 231, Charlotte, NC 28262
Phone: 704.548.0333 Fax: 704.548.0334

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Date: MARCH 28, 2007

Scale: 1" = 100'

Job No: 2007-0624

Sheet: 1 of 1

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

Sheet: 1 of 2
Property ID: PO 197-033-19
Lot #: 4
File #: 7136B
AppID: 2307

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

Owner: Vidal Reyna
Applicant: EMH & T
Address: 5217 Lincoln Ave., Los Angeles, Ca. 90042
Date Evaluated: 8/2/07
Proposed Facility: Residence
Design Flow (.1949): 480gpd
Property Size: Approx. .6a
Location of Site: Off Bain School Road
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	PROFILE FACTORS b .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
1	LS, 8	0-2	GR/CL	FR/SEXP/SS/SP	>48" TO SOIL WETNESS	48	N/A	NONE	PS, IV
		2-34	SBK/ABK/C	FI/SEXP/S/P					.275GPD/FT^2
		34-48	SBK/CL	FR/SEXP/SS/SP					
2	"	0-3	GR/SL	FR/SEXP/NS/NP	>52" TO SOIL WETNESS	32	"	"	US, IV
		3-24	SBK/SCL	FR/SEXP/SS/SP					.25GPD/FT^2
		24-32	SBK/ABK/C/CL	"					
		32-52	M/CL	"					
3	"	0-9	GR/SCL	"	2.5Y2/6 at 26"	48	"	"	US, IV
		9-48	SBK/ABK/C	FI/SEXP/S/P					
					SITE LTAR .25GPD/FT^2				

Description	Initial System	Repair System
Available Space (.1945)		
System Type(s)		
Site LTAR		

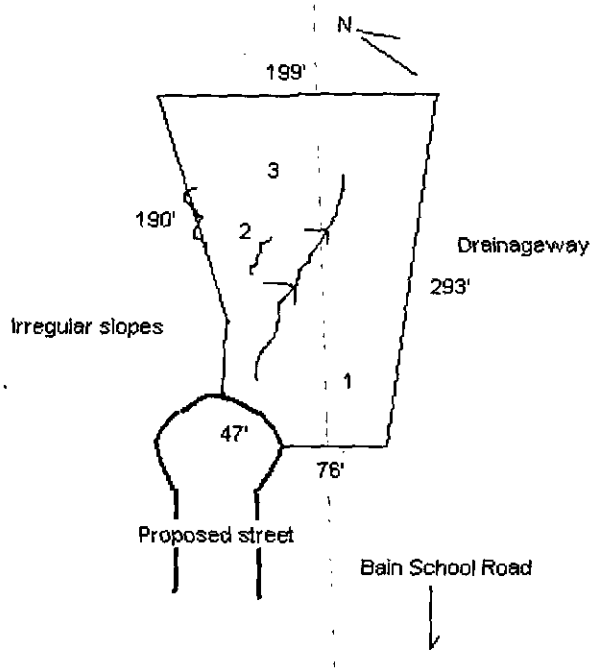
Other Factors (.1946):
Soil Evaluation By: W. R. Marlin, LSS, 8/7/2007. W. R. Marlin
Others Present: J. Jackson, M. Wood
Site Classification (.1948):
Site Evaluation By:
Others Present:

COMMENTS:
100% repair

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		CL-Clay Loam		
FP-Flood Plain		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



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35' SWIM Buffer

HOUSE 1
HOUSE 2
HOUSE 3
HOUSE 4
HOUSE 5
HOUSE 6
HOUSE 7
HOUSE 8
HOUSE 9

EXISTING HOUSE TO REMAIN

60' PUBLIC STREET R/W

60' PUBLIC STREET R/W

Bain School Rd

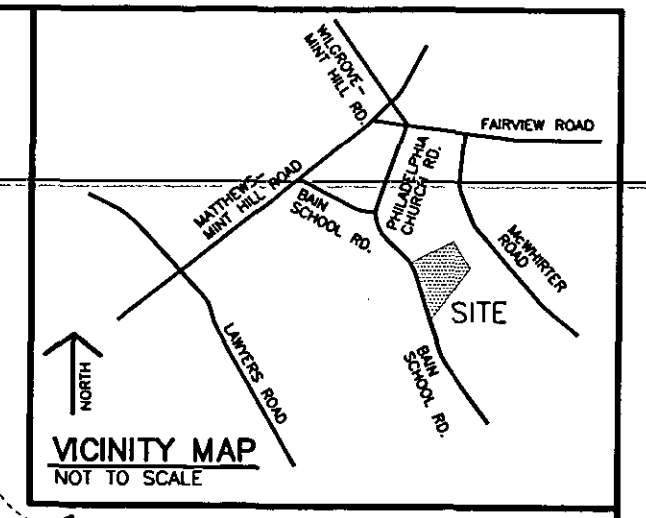
Jumper Drive

NOTE: EACH HOUSE IS 50' WIDE & 50' LONG

GRAPHIC SCALE

0 50 100 200

1 inch = 100 feet



VICINITY MAP
NOT TO SCALE

DEVELOPMENT DATA

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5. Project site includes SWIM buffers. Development will comply with all SWIM buffer regulations.
6. Lot areas are approximate, subject to revisions pending final survey and final design.

BAIN SCHOOL ROAD
SKETCH PLAN W/LOT DIMENSIONS

EMH&T
Evans, Mechwart, Hambleton, & Tilton, Inc.
Engineers • Surveyors • Planners • Scientists
8307 University Executive Park Drive, Suite 231, Charlotte, NC 28262
Phone: 704.548.0333 Fax: 704.548.0334
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Date: MAY 16, 2007
Scale: 1" = 100'
Job No: 2007-0624
Sheet: 1 of 1