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 #: 7896B Permit #: 30005783 Tax Parcel #: 195-022-03

Property Owner: Essex Homes Southeast Inc.

Job Location Address: 4317 Nottaway Place Dr

City: Mint Hill State: NC Zip Code: 28105

Operation Permit Issuance Date: 6/27/2014 Contractor Name: Sid Gaskins

Permitted Design Flow: 450 GPD

Liquid Capacity of Septic Tank: 1500 gallons

Liquid Capacity of Dosing Tank: 1500 gallons

Effluent Pump Model: Gould PE 31 1/2 horse

Drainfield Installation ☐ N/A

Trench Depth: 12 inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 484 feet

# of Lines: 5 @ varying feet III b

Depth of Media: 12 inches (Type) Chambers

Depth of Cover: 10 inches

Distribution Device: washbox to D-Box

Bed Installation *(For Repair Installations ONLY.)* ☒ N/A

Bed Depth: _____ inches

Bed Width: _____ feet

Total line length: _____ feet

# of Lines: _____ @ _____ feet

Depth of Media: _____ inches (Type) _____

Depth of Cover: _____ inches

Distribution Device: _____

Water Supply Source

☒ Municipal ☐ Private Well ☐ Community Well

☐ Other _____

System Installation Setbacks

Distance from Building Foundation: >10 feet

Distance from Property Line: 10 feet

Distance from Water Supply Source: >10 feet

Inspection Dates

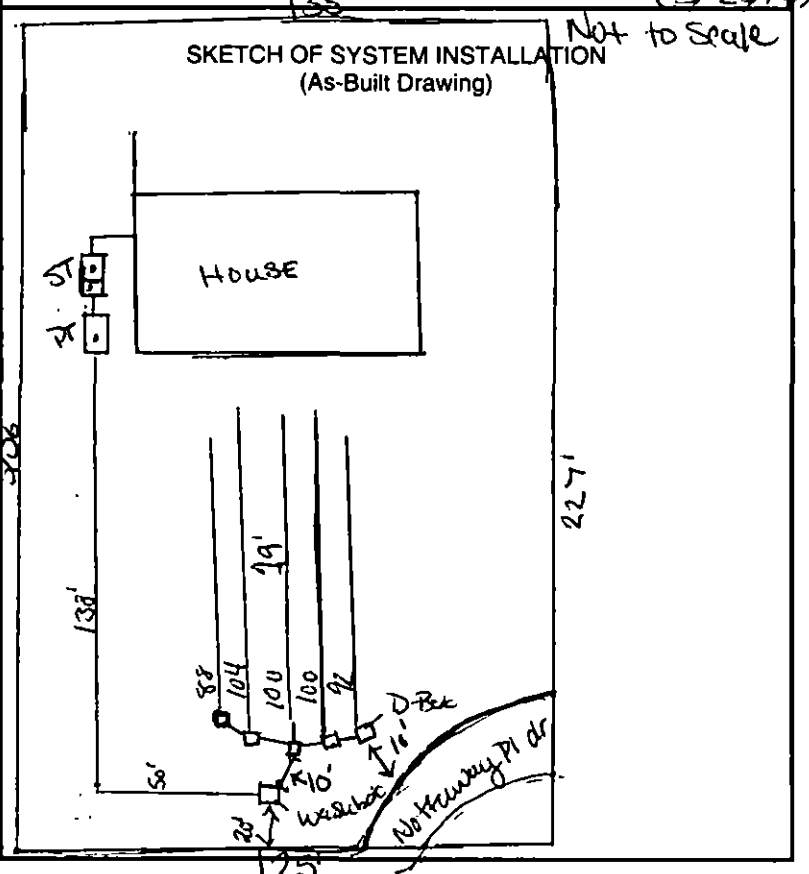
Tank(s) Inspected: 5/2/14 STB-338 1500 (3/25/14)

Excavation Inspected: 5/2/14

Pump & Controls Inspected: 5/2/14 PT-4977 1500 (3/25/14)

SKETCH OF SYSTEM INSTALLATION
(As-Built Drawing)

Not to Scale



The undersigned has inspected the Septic Tank System described above, and certifies it has been ☒ installed ☐ altered ☐ repaired ☐ as detailed in the plot above ☒ in accordance with the permit issued and meets the provisions of 15A NCAC 18A. 1900, "Laws and Rules for Sewage Treatment and Disposal Systems" in effect on the date of issuance of the permit. The issuance of this Operation Permit does not in any way guarantee that the system will operate properly or relieve any person now or hereafter owning, controlling, or using such system from any liability resulting from the failure of the system to operate properly. This document is issued subject to those restrictions and conditions shown on the permit(s) and the provisions of 15A NCAC 18A. 1900 in addition to those listed below under "Comments." This document shall be null and void if any information contained in the application is untrue or if any additions are made to the property which would increase the requirements for said system.

Notice: Disturbance of the designated repair area may result in the Suspension or Revocation of this permit.

Comments: System Classification & Type: III b quick4/p/na/na

DENR Authorized Agent: Bradley W. Hallman Signature: _____

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700 N. Tryon St., Suite 211 Charlotte, NC 28202
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NC DENR
Division of Environmental Health
On-Site Wastewater Section

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

File #: 7896B Permit #: 3000 5783 Tax Parcel #: 195-022-03

Property Owner: Essex Homes Southeast Inc.

Job Location Address: 4317 Nottaway Place Dr

City: Mint Hill State: NC Zip Code: 28105

OPERATION PERMIT CONDITIONS:

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

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

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

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

System Classification: IIIb

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

Subsurface system operator required: Yes ☐ No ☒

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

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

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

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

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

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

V. Other:

DENR Authorized Agent: Bradley W. Hallman Date: 6/27/2014

Signature:

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

NC DENR
Division of Environmental Health
On-Site Wastewater Section

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

File #: 7896B Permit #: 30006783 Tax Parcel #: 195-022-03

Property Owner: Essex Homes Southeast Inc.

Job Location Address: 4317 Nottaway Place Dr.

City: Mint Hill State: NC Zip Code: 28105

Installation Approval Issuance Date: 5/1/14

Permission is hereby given to ☑ install ☐ alter ☐ repair an on-site wastewater treatment & and disposal system, with subsurface soil absorption and effluent discharge, as specified herein at the described location. This approval is granted based upon the application information submitted to our office. All work shall be completed on or before _____, after which date this approval shall be null and void. The system shall meet all of the construction requirements of 15A NCAC 18A. 1900 which are in effect on the date of granting this approval. An **Operation Permit** must be obtained from the Mecklenburg County Health Department before any system can be covered up or placed into service. The issuance of this permit does not in any way guarantee that the system anticipated to be constructed will operate properly, or relieve any person now of hereafter owning, controlling or using such system from any liability resulting from the failure of the system to operate properly.

***NOTICE: This system shall not be installed while soils are in a wet condition.**

Permitted Design Flow: 480 GPD

Site LTAR: 0.25 GPD/ft² (For new installations only.)

Liquid Capacity of Septic Tank: 1500 gallons

Liquid Capacity of Dosing Tank: 1000 gallons

Drainfield Design ☐ N/A

Trench Depth: 22" inches

Trench Width: 3 feet

Line Spacing: 9 feet (O.C.)

Total line length: 535 feet

# of Lines: 5 @ various feet

Depth of Media: 12" inches (Type) IIIb

Distribution Device: Drop Boxes

Bed Design *(For Repair Installations ONLY.)* ☒ N/A

Bed Depth: _____ inches

Bed Width: _____ feet

Total line length: _____ feet

# of Lines: _____ @ _____ feet

Depth of Media: _____ inches (Type) _____

Distribution Device: _____

Water Supply Source

☑ Municipal ☐ Private Well ☐ Community Well

☐ Other _____

Minimum System Setbacks

Distance from Building Foundation: 210 feet

Distance from Property Line: 10 feet

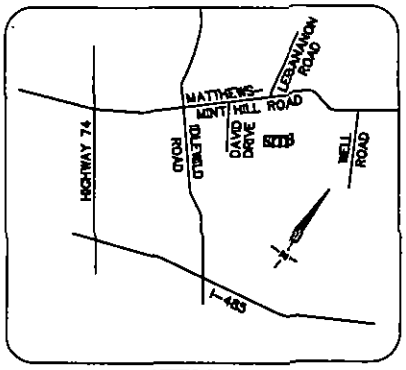
Distance from Water Supply Source: 210 feet

SKETCH OF SYSTEM LAYOUT
(Proposed Layout)

Install according to plan submitted by the wastewater system design consultant.

Comments: System Classification & Type: IIIb

DENR Authorized Agent: Jeremy Michael Signature: Jeremy Michael



VICINITY MAP
Not To Scale

NOTE:
1. BUILDER ASSUMES RESPONSIBILITY FOR GRADING LOT AND/OR DESIGNING STEPS, PORCHES, DECKS, ETC. AS NECESSARY TO PREVENT ENCROACHMENT INTO SETBACKS.
2. HOUSE DIMENSIONS AND OPTIONS SHOULD BE VERIFIED WITH CONTRACTOR PRIOR TO CONSTRUCTION.
3. SETBACKS/ EASEMENTS SHOULD BE VERIFIED WITH DEVELOPER AND LOCAL OFFICIALS PRIOR TO CONSTRUCTION.
4. THIS IS A CONCEPTUAL DRAWING AND CONTENTS SHOWN HEREON ARE SUBJECT TO CHANGE UPON FINAL CONSTRUCTION.

REVISIONS

REV. #	DATE	COMMENT
REV. 1	8/24/12	CENTERED HOUSE BETWEEN FRONT AND REAR SETBACKS
REV. 2	9/10/12	SHIFT BACK 20'

100' PUBLIC R/W

N.C. HIGHWAY 51

MATTHEWS MINT HILL ROAD

N.C.D.O.T. DRAINAGE EASEMENT (AS SCALED PER REC PLAT), SEE PLAT REF. D.B. 4150, PG. 124

COMMON OPEN SPACE

N 12°51'27" E
130.00'

IMPERVIOUS SURFACE AREA	
DESCRIPTION	AREA
HOUSE w/ PORCH	2,548 S.F.
PATIO/HVAC/MISC	230 S.F.
DRIVEWAY & WALKS	1,712 S.F.
TOTAL (PROPOSED)=	4,490 S.F.
LOT AREA =	30,944 S.F.

1500 GAL TANKS

40' REAR YARD

20' SETBACK

40.6'

15' SETBACK

N 77°33'26" W
256.59'

35.8'

PINK 65'
BLUE 85'
YELO 95'
ORNG 70'
WHITE 65'
BLUE 110'
YELO 100'
ORNG 100'
WHITE 100'
WHITE 55'
PINK 115'

227.29'
S 77°08'24" E

80' SETBACK

119.7'

DROP BOX
WASHER BOX

MB. 49 PG. 703

15' STORM DRAINAGE EASEMENT

20' STORM DRAINAGE EASEMENT

CURVE TABLE				
CURVE	BEARING	CHORD	LENGTH	RADIUS
C1	S01°13'39"W	53.88	60.29	45.00
C2	N17°16'00"W	13.59	13.87	20.00

62.66'
S 02°33'27" W

TBM=100.00

60' PUBLIC R/W

NOTTAWAY PLACE DRIVE

PRELIMINARY PLAT
NOT FOR RECORDATION, CONVEYANCES, OR SALES

SCALE: 1" = 50'

HOUSE LOCATION PLOT PLAN

FOR

LOT 3, BELLE GROVE MANOR PHASE 1 MAP 1
Town of Mint Hill, Mecklenburg County, North Carolina

PROPERTY OF: ESSEX HOMES

MAP BOOK 49 PAGE 703 DEED REFERENCE

DRAWN BY: ERG | DATE: AUGUST 2, 2012

EASTOVER
LAND SURVEYING COMPANY, P.A.
LAND SURVEYORS - PLANNERS - C-1833
600 TOWNE CENTRE BOULEVARD, SUITE 309
PINEVILLE, NORTH CAROLINA 28134
PHONE (704) 927-8080
FAX (704) 521-1078

SOIL & FORESTRY SERVICES
OF THE CAROLINAS, PA

June 26, 2014

Mecklenburg County Groundwater & Wastewater Services
Attn: Brad Hallman
700 N. Tryon Street
Charlotte, NC 28022

Re: Septic System Installation-Belle Grove Manor Lot 3

Mr. Hallman,

We are satisfied with the 4-bedroom (480 gpd) innovative trench installation at Lot 3 of Belle Grove Manor Subdivision. The installation, performed by Water Management, followed our design.

Thank you,

Wendell Overby
NC Licensed Soil Scientist

S&EC

Soil & Environmental Consultants, PA

11010 Raven Ridge Road • Raleigh, North Carolina 27614 • Phone: (919) 846-5900 • Fax: (919) 846-9467
www.SandEC.com

Attached is a proposed design for a 4 Bedroom InnovativeSeptic System using gravity distribution on lot 3 of Belle Grove Manor Subdivision. 4317 Nottaway Place Drive, Mint Hill, NC 28105 (Pin #19502203)

Contents: **Page**

Information for the Installer---------- 1

Design Information
- Design Specifications---------- 2-3
- Layout Specifications---------- 4

Site Plan---------- 5

Septic Tank Diagram---------- 6

Pump Tank Diagram---------- 7

Washer Box Diagram---------- 8

Control Panel Specifications---------- 9-12

Pump Specifications---------- 13-14

Calculations---------- 15

Electric Box Specifications---------- 16

Maintenance of Septic Systems---------- 17-19

September 25, 2012
S & EC Project No. 5-1656
Design By: W. Overby

Gould PE 31 1/3hp

INFORMATION FOR THE INSTALLER:

- The permit should be read very carefully prior to bidding. The following are details that must be considered along with all other considerations.
- Tanks shall be approved by DEHNR, and certification supplied by the manufacturer.
- Tanks shall be water tested prior to installation.
- The installer shall be responsible to the owner for placement of the tanks and to insure that final grades are returned to the original natural grade, with exception of added structural features.
- The supply trench shall be compacted to eliminate cavities left during initial fill placement.
- Installation of the system shall be during dry conditions in order to protect the soil structure.
- All fittings shall be pressure rated fittings.
- All joints shall be cleaned with PVC pipe cleaner and a heavy bodied glue applied to weld all joints.
- Where required by the county health department, post installation inspections by the designer must be scheduled 5 week days in advance.
- Trenches shall be carefully excavated so the bottom is within 2" from the highest to the lowest points of elevation within the trench. If the bottom elevation needs adjusting after it has been trenched, it will be done by removing high points rather than filling low points. It is extremely important to insure that trenches are not over excavated during initial trenching. All fine grading within the trench will be hand done with a shovel. No loose material will be left in the trench
- All pipe openings in the tanks shall be properly grouted. This also applies to the joints around the riser.
- All tanks shall be properly back filled and compacted to prevent slump at a later date.
- Earth dams, constructed of relatively impervious material, shall be installed at the beginning and end of each lateral.
- No heavy equipment shall be used on the field during or after installation. The use of a small loader (i.e. Bobcat) or a trencher (i.e. Ditch Witch 2300/2310) may be used for installation.
- Elevations at pinflag locations should be checked by the installer prior to beginning trenches.
- Pumptank riser should be 6" above grade, control panel should be 12" above grade.
- Septic tank riser shall be a minimum of 6" above finished grade.
- **System is specified as innovative type with washer box and drop boxes**
- Repair is specified as innovative type.
- System trench depth specified at 22 inches.
- **Pressure line specd as 1.5" Sch40 PVC**

INNOV SYSTEM
FOR WASTEWATER TREATMENT

Owner:	Essex Homes
Address:	
Phone:	
County:	Mecklenburg
Location:	Belle Grove Manor lot 3
Source of Wastewater Flow:	4 Bedroom Single Family Residence
Estimated Daily Wastewater Production:	480 gpd
System Flow:	15 gpm

Design Specifications

Drainfield Size:	480
Loading Rate:	0.25 gpd/ft.^{2}
Depth of Gravel in Trench:	n/a
Gravel Size:	n/a
Trench Depth:	22
Trench Width:	36 in.
Septic Tank Size:	1500 gal.
Pump Tank Size:	1500 gal.
Estimated Supply Line Length:	300
Supply Line Diameter:	1.5 in. SCH 40 PVC
Supply Line Volume:	31.80
Dosing Volume:	219.41
Recommended Float Controls:	SJE Sensor Float Control Switches as Required for Control Panel or County Approved Equivalents
Recommended Control Panel:	SJE-Rhombus Model 112 (NEMA 4x) Control Panel or County Approved Control Panel.
Pressure Head:	0
Friction Head:	5.34
Elevation Head:	7.00
Total Dynamic Head:	14.19
Threaded Union:	In Tank
Gate Valves:	1 in Tank 1 before washer box
Check Valves:	In Tank
Anti-Siphon Hole:	n/a
Recommended Pump:	Myers Model ME50 or County Approved Effluent Rated Pump Capable of Delivering 15 ft.of Head at 15 gpm Total Flow
Additional Comments:	Soil suitability was performed by S&EC and Meck GWS

Belle Grove Manor Lot 3
INNOV DESIGN

DESIGN FLOW:	480
SOIL APPLICATION RATE:	0.25 gpd/ft.^{2}
TOTAL AREA TRENCH BOTTOM:	1440
TOTAL LATERAL LENGTH:	480
NUMBER OF FIELDS:	1
LATERAL LENGTH REQUIRED PER FIELD:	480
SUPPLY LINE LENGTH:	300
TOTAL DYNAMIC HEAD:	14.19
DOSING VOLUME:	219.41
PUMP TANK DRAW DOWN*:	7.6
SEPTIC TANK SIZE:	1500 gal.
PUMP TANK SIZE:	1500 gal.
RECOMMENDED PUMP:	Myers Model ME50 or County Approved Effluent Rated Pump Capable of Delivering 15 ft.of Head at 15 gpm Total Flow

**Pump tank draw down based on a volume basis of 29 gallons per inch. Draw down may vary among pump tank manufacturers.*

Belle Grove Manor Lot 3

Project No. 5-1656

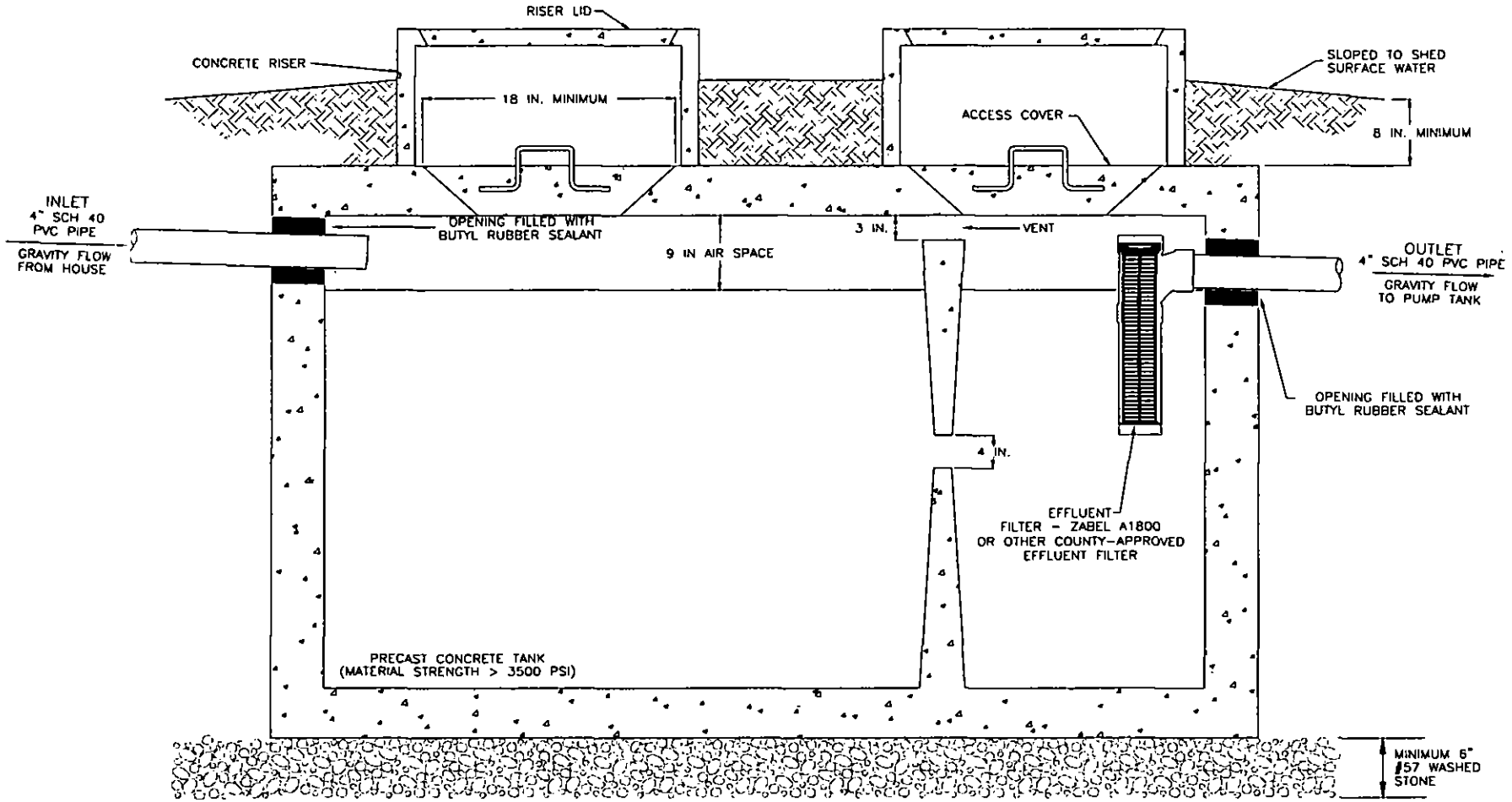
Layout for a 4 bedroom home **Sep-12**

LINE #	FLAG COLOR	BS	HI	FS	ELEVATION	FLAGGED LINE LENGTH
TBM		2.9			100.0	
INSTR. 1			102.9			
			SYSTEM			
1	White			4.40	98.5	100
2	Orange			4.60	98.3	100
3	Yellow			4.90	98.0	100
4	Blue			4.90	98.0	110
5	Pink			4.90	98.0	70
			REPAIR			
6	Pink			4.90	98.0	45
7	White			5.00	97.9	120
8	Orange			5.20	97.7	70
9	Yellow			5.40	97.5	90
10	Blue			5.40	97.5	90
11	Pink			5.40	97.5	65

	LINE LENGTH	LTAR GPD/FT	SYSTEM TYPE	REDUCTION TYPE	DISTRIBUTION
SYSTEM	480	0.250	INNOV	25%	WASHER BOX TO DBOX Drop box
REPAIR	480	0.250	INNOV	25%	WASHER BOX TO DBOX

Notes:

** TBM located at electric box pedestal
**TBM is assumed to be 100'
**All measures in feet
**Nitrification lines are demonstrated on contour via colored pin flags
**BS and FS indicate rod readings



NOTES

1. TANK DIMENSIONS VARY BY MANUFACTURER.

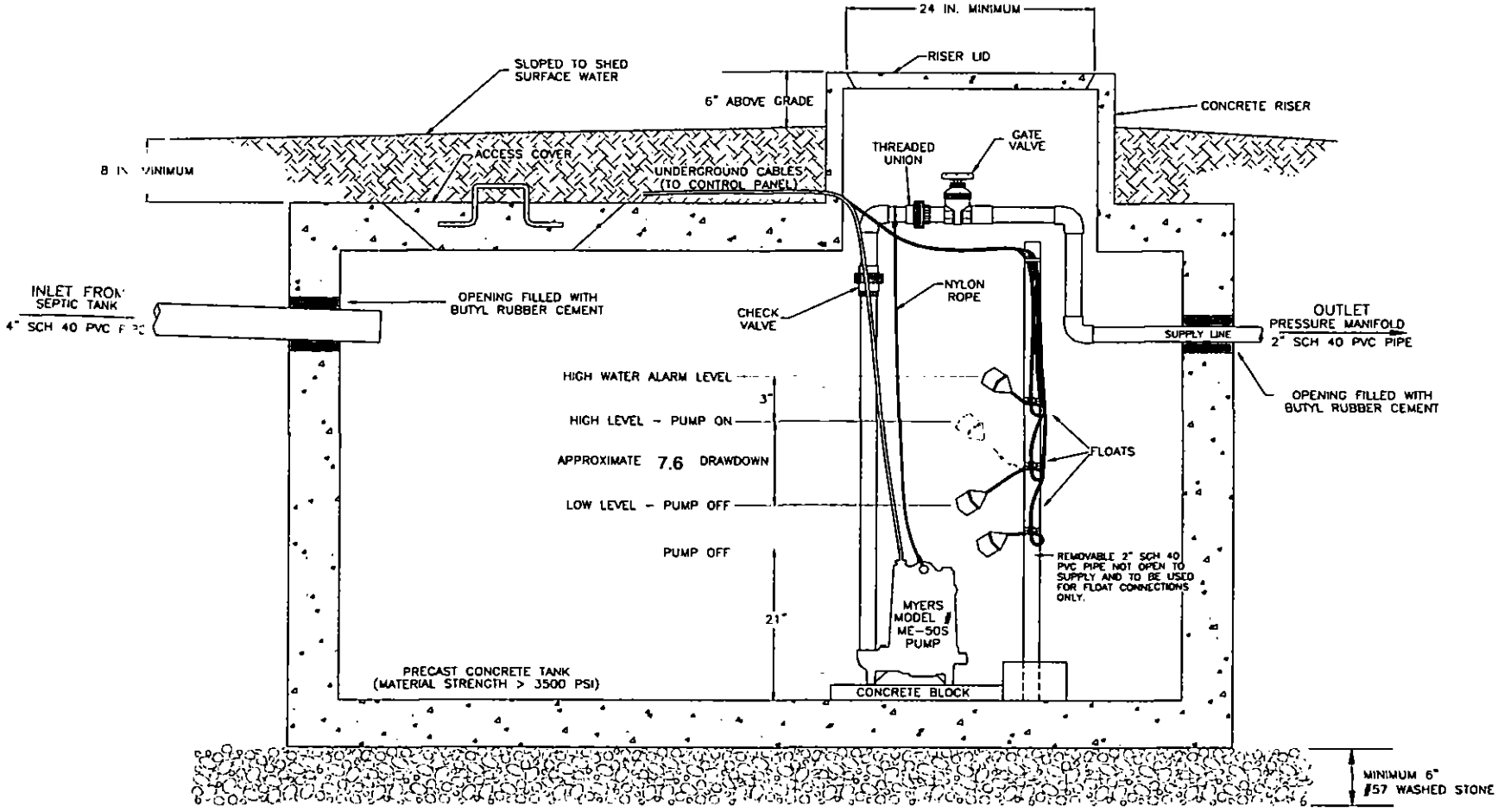
1500 GALLON SEPTIC TANK

PROJECT NO:	PROJECT NAME:
PROJECT MGR.	
SCALE: NTS	SEPTIC TANK DIAGRAM

S&EC

Soil & Environmental Consultants, Inc.

[illegible]



NOTES

1. TANK DIMENSIONS VARY BY MANUFACTURER.
2. DRAWDOWN WILL VARY WITH TANK DIMENSIONS. DRAWDOWN SHOWN BASED ON 21 GALLONS PER INCH.

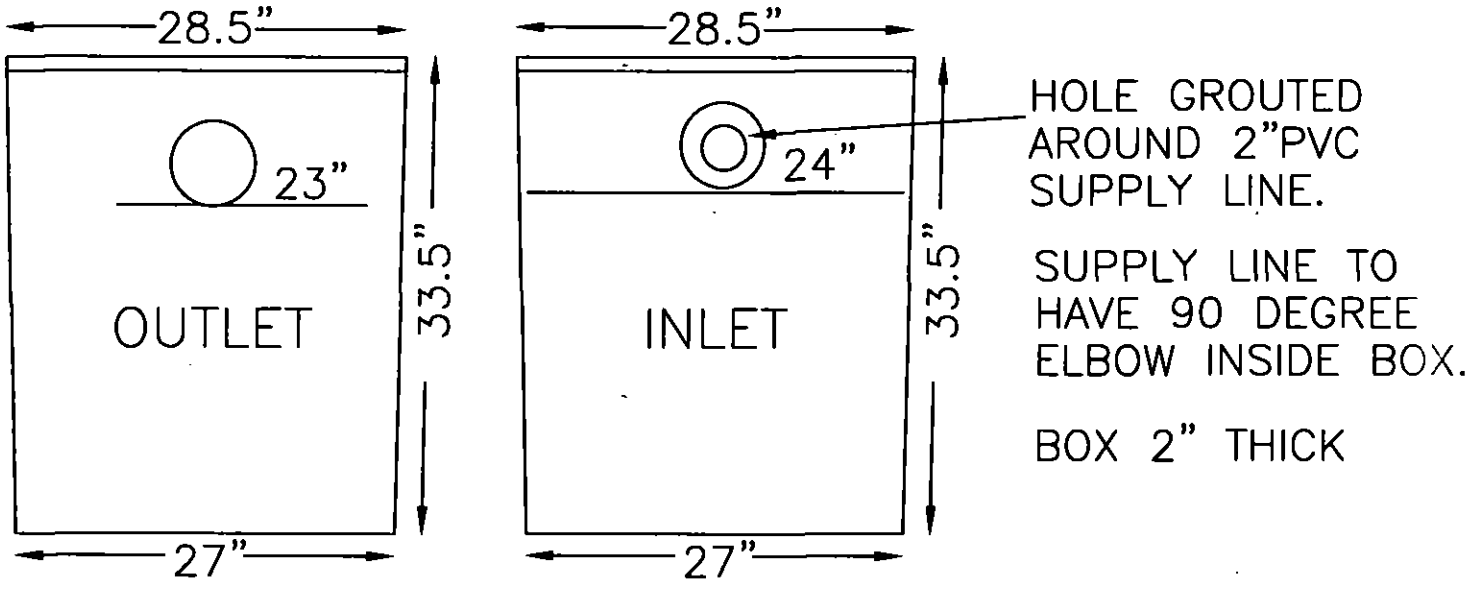
1500 GALLON PUMP TANK

PROJECT NO. 5-1656	PROJECT NAME: [illegible]	S&EC Soil & Environmental Consultants, Inc.
PROJECT MGR.	SHEET TITLE: PUMP TANK DIAGRAM	11010 Raven Ridge Road Raleigh, North Carolina 27614 Phone: (919) 846-5900 Fax: (919) 846-9487 Web Page: www.SandEC.com
SCALE NTS		

PROPOSED WASHER BOX

SPECIFICATIONS FROM DELLINGER PRECAST

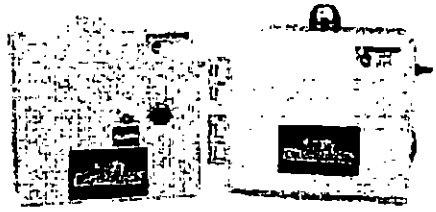
(approx 70 gallons in size)



MODEL 112 Control Panel

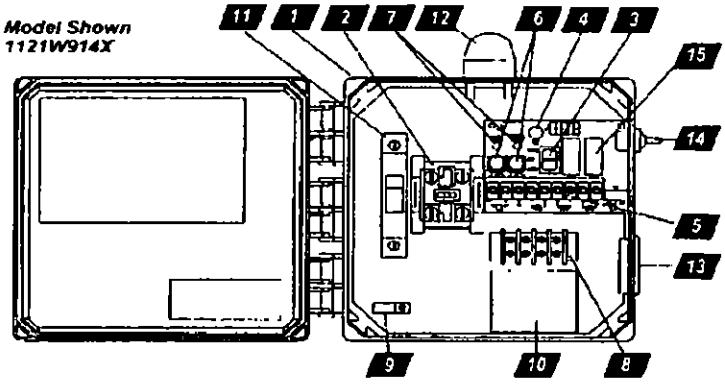
Single phase, simplex motor contactor control.

The Model 112 control panel provides a reliable means of controlling one 120, 208, or 240 VAC single-phase pump in pump chambers, sump pump basins, irrigation systems and lift stations. Two control switches activate a magnetic motor contactor to turn the pump on and off. If an alarm condition occurs, an additional alarm switch activates the audio/visual alarm system.



Indoor *Indoor/outdoor*

Model Shown
1121W914X



1. **Enclosure** measures 8 x 8 x 4 inches (20.32 X 20.32 X 10.16 cm). Choice of NEMA 1 (steel for indoor use), or NEMA 4X (ultraviolet stabilized thermoplastic with removable flanges for outdoor or indoor use).

   * Options selected may *increase* enclosure size and change component layout.
2. **Magnetic Motor Contactor** controls pump by switching hot electrical lines.
3. **HOA Switch** for manual pump control (mounted on circuit board).
4. **Green Pump Run Indicator Light** (mounted on circuit board).
5. **Float Switch Terminal Block** (mounted on circuit board).
6. **Alarm and Control Fuses** (mounted on circuit board).
7. **Alarm and Control Power Indicators** (mounted on circuit board).
8. **Pump Input Power and Pump Connection Terminal Block**
9. **Ground Lug**
10. **Terminal Block Installation Label**
11. **Circuit Breaker** (optional) provides pump disconnect and branch circuit protection.

STANDARD ALARM PACKAGE (other options available)

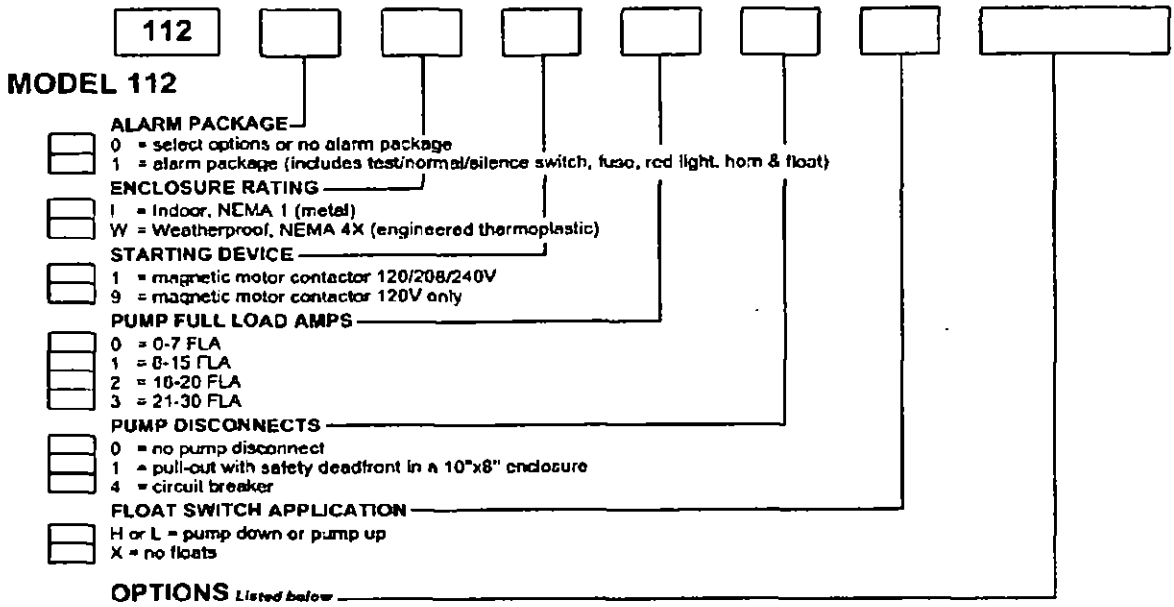
12. **Red Alarm Beacon** provides 360° visual check of alarm condition. **Note:** NEMA 1 style utilizes a door mounted indicator in lieu of a beacon.
13. **Alarm Horn** provides audio warning of alarm condition (83 to 85 decibel rating). **Note:** NEMA 1 style utilizes an internally mounted buzzer (83 to 85 decibel) in lieu of horn.
14. **Exterior Horn Test/Normal/Silence Switch** allows alarm horn to be silenced and testing of horn and light to ensure proper operation of alarm system.
15. **Horn Silence Relay** automatically resets alarm after alarm condition has been resolved (mounted on circuit board).

FEATURES

- Entire control system (panel and switches) is UL Listed to meet and/or exceed industry safety standards
- Dual safety certification for the United States and Canada
- Standard package includes three 20' Sensor Float® control switches
- Complete with step-by-step installation instructions
- Three-year limited warranty

c UL us LISTED

SJE Rhombus CONTROLS
SJ ELECTRO SYSTEMS, INC.
PO Box 1708, Detroit Lakes, MN 56502
1-888-DIAL-SJE (1-218-847-1317
1-218-847-4617 Fax
email: sje@sjerhombus.com
www.sjerhombus.com



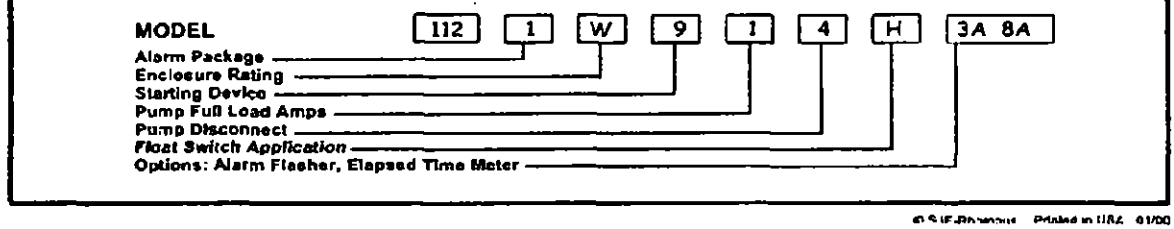
If additional features are required, call the factory for a quote on either a Pro-Line or Engineered Custom control panel system.

	CODE	DESCRIPTION
☐	1A	Red beacon only / no audio *must select 1E if floats included*
☐	1C	Horn only / no visual *must select 1E if floats included*
☐	1E	Alarm float
☐	3A	Alarm flasher
☐ ★	4A	Low level cutout *select option 4D if floats included*
☐ ★	4B	Red low-level indicator & alarm *must select 4A also*
☐	4D	Low-level float
☐	6A	Auxiliary alarm contact, form C type
☐ ★	8A	Elapsed time meter
☐ ★	8C	Event (cycle) counter
☐	10E	Lockable latch - NEMA 4X
☐	10E	Lockable latch - NEMA 1
☐ ★	10F	Lightning arrester
☐ ★	10K	Anti-condensation heater

	CODE	DESCRIPTION
☐	11C	NEMA 1 alarm panel *must select option 6A*
☐	11D	NEMA 4X alarm panel *must select option 6A*
☐	15A	Control / alarm circuit breaker *Does not include the circuit board as in standard.*
☐	16A	10' cord in lieu of 20'
☐	16B	15' cord in lieu of 20'
☐	16C	30' cord in lieu of 20'
☐	16D	40' cord in lieu of 20'
☐	17A	SJE SignalMaster® / mounting strap ●
☐	17B	SJE SignalMaster® / externally weighted ●
☐	17C	Sensor Float® / internally weighted ▲
☐	17D	Sensor Float® / externally weighted ▲
☐	17E	Sensor Float® Mini / pipe clamp ▲
☐	17F	Sensor Float® Mini / externally weighted ▲
☐	19X	Door mounted pump run indicator
☐	21A	Pumpmaster® in lieu of on/off switches ●
☐	21B	PumpMaster® Plus in lieu of on/off switches ●
☐	21C	Super Single® in lieu of on/off switches ▲
☐	21D	Double Float™ in lieu of on/off switches ▲

● Mechanically-activated ▲ Mercury-activated

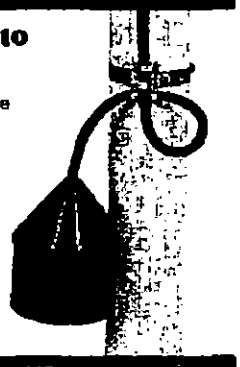
SAMPLE



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SENSOR FLOAT® control switch

Mercury-activated, narrow-angle float switch designed to activate pump control panels and alarms.



This narrow-angle sensing device is used to accurately monitor liquid levels in sewage and non-potable water applications. The Sensor Float® control switch is not sensitive to rotation and is suitable for use with intrinsically safe circuits. Contact SJE-Rhombus regarding specific intrinsically safe applications.

Normally Open Model (high level)
The control switch turns on (closes) when the float tips slightly above horizontal signaling a high level, and turns off (opens) when the float drops slightly below horizontal.

Normally Closed Model (low level)
The control switch turns on (closes) when the float drops slightly below horizontal signaling a low level, and turns off (opens) when the float tips slightly above horizontal.

FEATURES

- Suitable for use with intrinsically safe circuits
- Not sensitive to rotation.
- Control differential of .5 inches (1 cm) above or below horizontal.
- UL Listed for use in non-potable water and sewage.
- CSA Certified.
- Three-year limited warranty.

OPTIONS

This switch is available:

- for normally open (high level) applications or normally closed (low level) applications.
- in standard cable lengths of 10, 15, 20, or 30 feet and 3, 5, 6, or 10 meters.
- with three mounting options that allow for flexibility in installation:

  Mounting Clamp: for applications where the switch can be attached to a discharge pipe or similar mounting device.

  Internally Weighted: for applications where the switch can be suspended from above.

  Externally Weighted: for applications where the switch can be suspended from above.

SPECIFICATIONS

CABLE: flexible 18 gauge, 2 conductor (UL,CSA) SJOW, water-resistant (CPE) jacket

FLOAT: 3.38 inch diameter x 4.55 inch long (8.58 cm x 11.56 cm), high-impact, corrosion resistant, PVC housing for use in sewage and non-potable water up to 140°F (60°C)

MAXIMUM WATER DEPTH: 30 feet (9 meters), 13 psi

MERCURY TILT SWITCH: single pole, single throw, mercury-to-mercury contacts, hermetically sealed in a steel capsule and epoxy sealed in the float housing

ELECTRICAL: 5 amp, 120/230 VAC, 50/60 Hz

SJE Rhombus CONTROLS
SJ ELECTRO SYSTEMS, INC.
PO Box 1708, Detroit Lakes, MN 56502
1-888-DIAL-SJE / 1-218-847-1317
1-218-847-4617 Fax
email: sje@sjerhombus.com
www.sjerhombus.com

Sensor Float® control switch installation instructions

⚠WARNING **ELECTRICAL SHOCK HAZARD**
Disconnect power before installing or servicing this product. A qualified service person must install and service this product according to applicable electrical and plumbing codes.

⚠WARNING **EXPLOSION OR FIRE HAZARD**
Do not use this product with flammable liquids. Do not install in hazardous locations as defined by National Electrical Code, ANSI/NFPA 70.

Failure to follow these precautions could result in serious injury or death. Replace product immediately if switch cable becomes damaged or severed. Keep these instructions with warranty after installation. This product must be installed in accordance with National Electric Code, ANSI/NFPA 70 so as to prevent moisture from entering or accumulating within boxes, conduit bodies, fittings, float housing, or cable.

MOUNTING THE SWITCH

1. Place the cord into the clamp as shown in Figure B.
2. Locate clamp at desired activation level and secure the clamp to the discharge pipe as shown in Figures A and B. Note: Do not install cord under hose clamp.
3. Tighten the hose clamp using a screwdriver. Over tightening may result in damage to the plastic clamp. Make sure the float cable is not allowed to touch the excess hose clamp band during operation.
4. Bring cable leads back to control device and wire according to Figure C.
5. Check installation. Allow system to cycle to insure proper operation.

Note: All hose clamp components are made of 18-8 stainless steel material. See your SJE Rhombus supplier for replacements.

Figure A

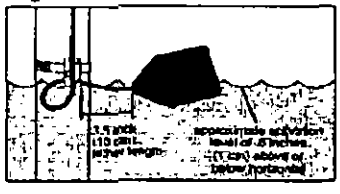
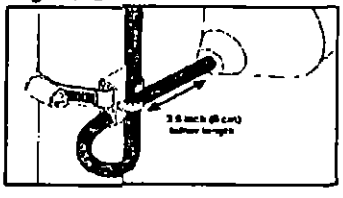


Figure B



INTERNAL WEIGHT

1. Determine desired activation level.
2. Suspend switch 7 inches (18 cm) below desired activation level as shown in Figure D. Switch remains partially submerged during the "on" tipping action. Switch can be totally submerged and still continue to operate properly.
3. Wire cable leads directly into control device as shown in Figure C.
4. Check installation. Allow system to cycle to insure proper operation.

Figure C - Wiring Diagram

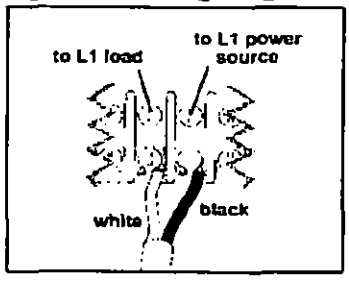
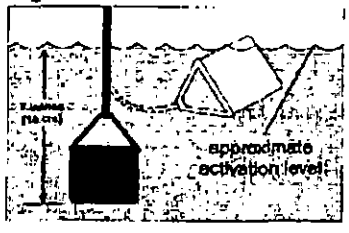


Figure D



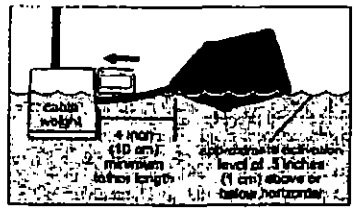
CABLE WEIGHT

1. Determine desired activation level.
2. Suspend switch and cable weight at desired activation level as shown in Figure E.
3. Wire cable leads directly into control device as shown in Figure C.
4. Check installation. Allow system to cycle to insure proper operation.

Cable weight is attached to switch cable at the factory. To adjust:

1. Release clip.
2. Adjust cable weight to desired position.
3. Lay switch cable in weight channel.
4. Align clip with weight channel and slide towards switch cable as shown in Figure E.
5. Snap clip snugly up to cable, moving clip to tightest possible position.

Figure E



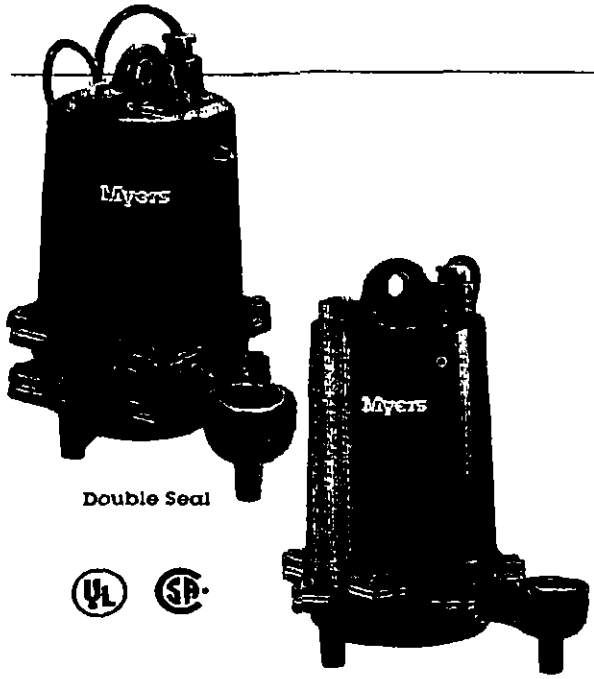
CONTROLS SJE Rhombus
SJ ELECTRO SYSTEMS, INC.
22650 County Highway 6 ■ P.O. Box 1708 ■ Detroit Lakes, Minnesota 56502 USA
1-888-DIAL-SJE (1-888-342-5753) ■ Phone: 218-847-1317 ■ Fax: 218-847-1617
E-mail: sje@sjerhombus.com

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Cat. Page P/N 1005/ECA

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ME SERIES

1/2 through 1-1/2 HP
Effluent Pumps



Double Seal

Single Seal

THE MYERS ME SERIES EFFLUENT PUMPS ARE DESIGNED SPECIFICALLY FOR TODAY'S EFFLUENT PRESSURE DISTRIBUTION MOUNDS, TRENCHES AND HIGH FLOW DRAINAGE APPLICATIONS. The ME Series effluent pumps with their efficient two vane, enclosed impellers, provide the ideal performance for optimum dosing. ME Series pumps are constructed of only corrosion resistant materials like cast iron, stainless steel and thermoplastics to assure that they will perform for years to come in the harsh effluent environment and drainage applications. For more information, call your Myers distributor today or the Myers Ashland, Ohio sales office at 419/289-1144.

ADVANTAGES BY DESIGN

IDEAL FOR USE IN MOUND AND TRENCH PRESSURE DISTRIBUTION SYSTEMS

- High efficiency, two vane, enclosed impeller provides ideal performance for most efficient dosing.
- Impeller passes full ¾ inch solids.
- Enclosed impeller design eliminates possibility of jamming or corrosion between impeller and volute.

DURABLE MOTOR WILL DELIVER MANY YEARS OF RELIABLE SERVICE

- Oil-filled motor for maximum heat dissipation and constant bearing lubrication.
- High torque, permanent split capacitor (PSC), single phase motors. No starting switches or relays to wear out.
- Optional seal leak probe warns of seal leak condition. (Dual seal motors only.) Helps prevent costly motor damage.
- Motors have on winding current and temperature sensitive overload. (Single phase only.)

THE ME SERIES EFFLUENT PUMPS ARE DESIGNED FOR YEARS OF MAINTENANCE FREE OPERATION

- Volute seal ring is replaceable. Restores pump to original performance if wear should occur.
- Motor is held in place by 4 screws. Easily removed if service is ever needed.

PRODUCT CAPAILITIES

Capacities To	120 GPM	454 LPM
Heads To	95 ft.	28.9 m
Max. Spherical Solids	¾ in	19 mm
Liquids Handling	domestic effluent & drain water	
Intermittent Liquid Temp.	up to 140° F	up to 60° C
Motor Electrical Data	1/2 HP 115 volts, 1 ph 1/2 to 1-1/2 HP 230 volts, 1 ph 208, 230, 460, 575 volts, 3 ph oil-filled, permanent split capacitor type, 1 ph, 3450 rpm, 60 Hz	
Motor Insulation	Class B (130° C)	
Third Party Approvals	UL, CSA	
Acceptable pH Range	6-9	
Specific Gravity	.9-1.1	
Viscosity	28-35 SSU	
Discharge, NPT	2 in.	50.8 mm
Min. Sump Dia. Simplex	24 in.	61 cm
Duplex	36 in.	91.4 cm

Construction Materials	
Motor Housing, Volute	cast iron, Class 30, ASTM A48-76
Enclosed Two Vane Impeller Standard	engineered thermoplastic
Optional	bronze
Impeller Wear Ring	304 SST
Volute Sealing Ring	Buna-N
Shaft	416 SST
Power Cord	
1/2 HP 1 Ph	20 ft. 16/3 SJOW/SJOW-A
3/4 - 1-1/2 HP 1 Ph	20 ft. 14/3 SJOW/SJOW-A
All 3 Ph	20 ft. 14/4 SOW/SOW-A
Shaft Seals Standard	single carbon & ceramic
Optional	tandem carbon & ceramic
Opt. Lower	tungsten carbide
Fasteners	300 Series SST

WHERE INNOVATION MEETS TRADITION

ISO 9001 Certified Company

Myers
PENTAIR PUMP GROUP

ME SERIES

1/2 through 1-1/2 HP
Effluent Pumps

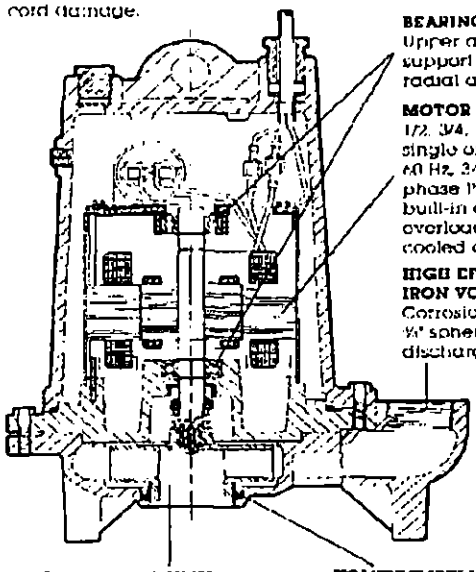
POWER CORD
Jacket sealed with compression fittings. Individual wires coated with epoxy to prevent wicking in case of cord damage.

MOTOR HOUSING
Cast iron for efficient heat transfer and corrosion resistance.

BEARINGS
Upper and lower ball support rotor. Take radial and thrust loads

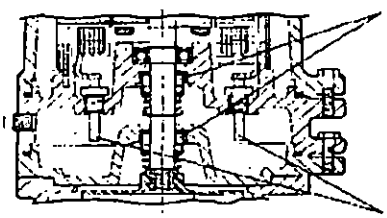
MOTOR
1/2, 3/4, 1 and 1 1/2 HP single or three phase. 60 Hz, 3450 RPM. Single phase PSC motors have built-in on winding overload protection, oil-cooled and lubricated

HIGH EFFICIENCY CAST IRON VOLUTE
Corrosion resistant. Passes ½" spherical solids. 2" NPT discharge



ENCLOSED TWO VANE IMPELLER
high efficiency. Passes ½" spherical solids with stainless steel wear ring Optional bronze construction available.

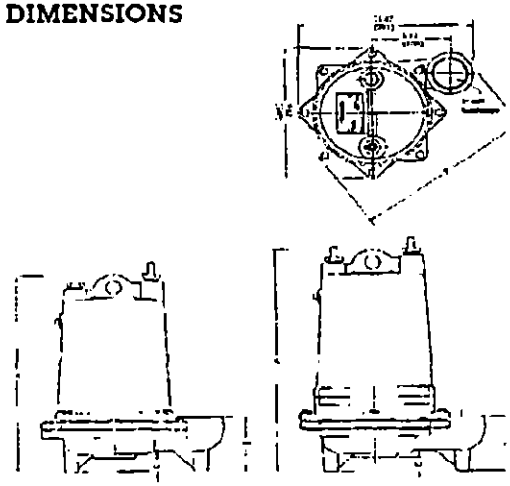
VOLUTE/IMPELLER SEAL RING
Maintains high efficiency and reduces recirculation. Replaceable.



SHAFT SEAL(S)
Carbon and ceramic faces. Optional dual tandem seals. Extends motor life.

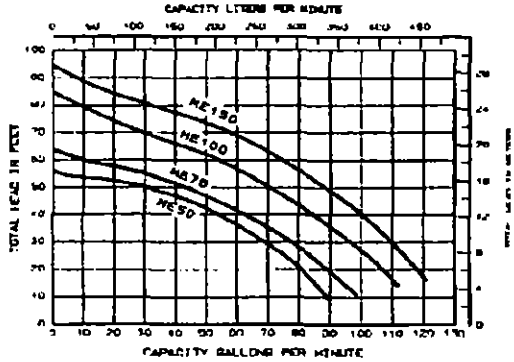
SEAL LEAK PROBES
Optional probes (dual seal only) detect water leakage in seal housing. Activates warning light.

DIMENSIONS



Model Series	Inches (millimeters) A	B	C	F
ME50S	16.8 (427)	4.09 (104)	1.03 (26)	12.13 (308)
ME50D	18.6 (472)	4.09 (104)	1.03 (26)	12.13 (308)
ME75S, ME1HS, ME1NS	16.8 (427)	4.0 (102)	1.06 (27)	12.5 (318)
ME75D, ME100D, ME150D	18.6 (472)	4.0 (102)	1.06 (27)	12.5 (318)

PERFORMANCE CURVE



K3320 9/99
Printed in U.S.A

Myers
PENTAIR PUMP GROUP

F. E. Myers, 1101 Myers Parkway, Ashland, Ohio 44805-1969
419/289-1144, FAX: 419/289-6858, www.femyers.com
Myers (Canada), 200 Trillium Drive, Kitchener, Ontario N2G 4W5
519/748-5470, FAX: 519/748-2553

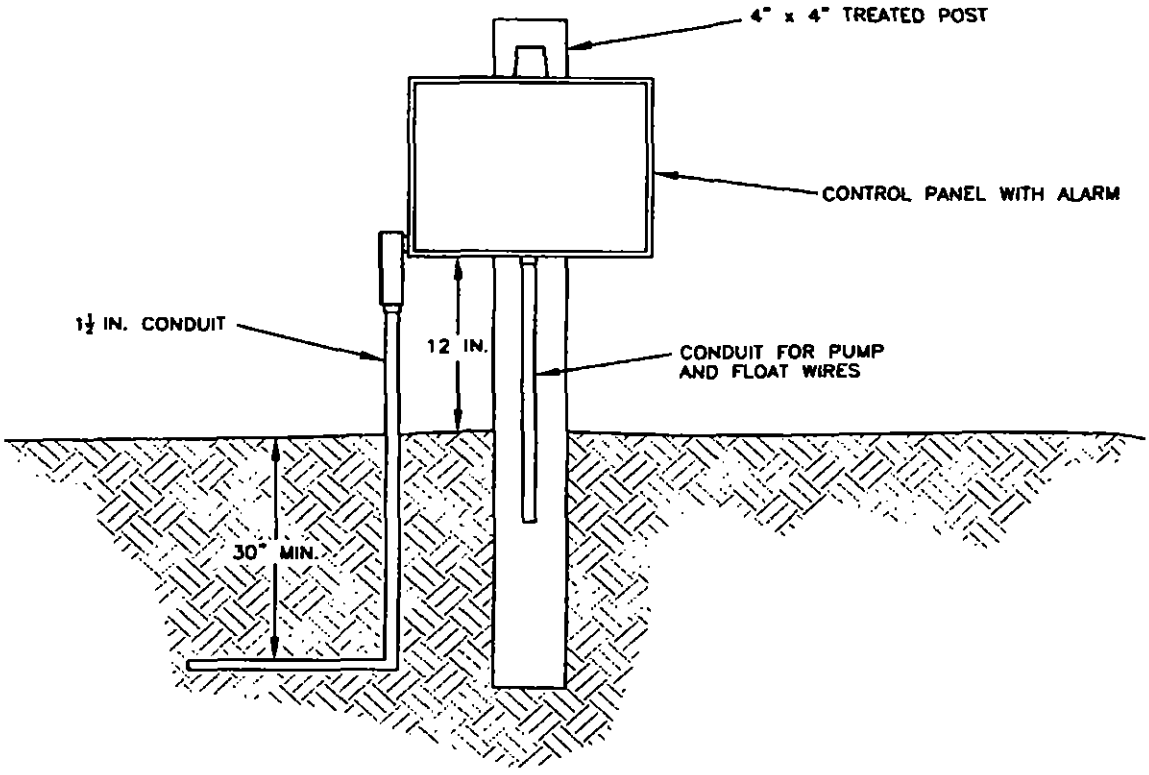
CALCULATIONS

Location	Belle Grove Manor	
Project Number	5-1656	
Lot No:	3	
No. of Bedrooms	4	
Design Flow	480	$^{gal}/_{day}$
LTAR	0.25	$^{gal}/_{ft^2\,day}$
Innovative? (YES OR NO)	yes	
Supply Line Length	300	ft.
Supply Line Volume	31.8	gal.
Required Feet of Line	480	ft.
Amount of Line from Layout	480	ft.
Gallons per Minute	15.00	$^{gal}/_{min}$
Required Septic Tank Capacity	1500	gal.
Minimum Standard Tank Size	1500 gal.	
Lateral Line Volume	313.44	gal.
Dosing Volume	219.41	gal.
	Note: Dosing Volume based on 70% line volume	
Tank Draw Down	7.6	*Generic Draw Down of 29 gal.per in.*
Pump Run Time	14.63	minutes
Elevation Head	7	ft.
Pressure Head	0	ft.
Friction Factor	1.78	ft./100 ft. *(From the interpolater.)*
Friction Head	5.34	ft.
Total Dynamic Head (+15%)	14.19	ft.

FRICTION FACTOR INTERPOLATER
2" SCH 40 PVC

GPM	*f*
20	0.84
	-0.88
25	1.27
28	1.58
30	1.78
	-1.76
35	2.37
38	2.77
40	3.03
42.4	3.39
45	3.77
46.51	4.01
50	4.58
57.11	5.89
60	6.42

ELECTRIC BOX



NOTES: ELECTRICAL SYSTEM COMPONENTS SHALL BE INSTALLED TO MEET OR EXCEED MINIMUM REQUIREMENTS SPECIFIED IN THE ELECTRICAL CODE. ALL WIRING SHALL BE #12 MINIMUM, AND RATED FOR DIRECT BURY. PROVIDE GROUNDING AS REQUIRED, AND PROVIDE 30" MINIMUM BURY ON CABLES. PROVIDE ONE 20 AMP, DOUBLE POLE, 230 VOLT CIRCUIT BREAKER (FOR PUMP), AND ONE 20 AMP, SINGLE POLE, 115 VOLT CIRCUIT BREAKER (FOR ALARM) IN MAIN PANEL.

(5) Ashes, garbage, and trash shall be kept out of the pit.

History Note: *Authority G.S. 130A-335(e) and (f);*
Eff. July 1, 1982;
Amended Eff. January 1, 1990.

15A NCAC 18A .1961 MAINTENANCE OF SEWAGE SYSTEMS

(a) Any person owning or controlling the property upon which a ground absorption sewage treatment and disposal system is installed shall be responsible for the following items regarding the maintenance of the system:

(1) Ground absorption sewage treatment and disposal systems shall be operated and maintained to prevent the following conditions:

(A) a discharge of sewage or effluent to the surface of the ground, the surface waters, or directly into groundwater at any time; or

(B) a back-up of sewage or effluent into the facility, building drains, collection system, or freeboard volume of the tanks; or

(C) a free liquid surface within three inches of finished grade over the nitrification trench for two or more observations made not less than 24 hours apart. Observations shall be made greater than 24 hours after a rainfall event.

The system shall be considered to be malfunctioning when it fails to meet one or more of these requirements, either continuously or intermittently, or if it is necessary to remove the contents of the tank(s) at a frequency greater than once per month in order to satisfy the conditions of Parts (A), (B), or (C) of this Paragraph. Legal remedies may be pursued after an authorized agent has observed and documented one or more of the malfunctioning conditions and has issued a notice of violation.

(2) 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.

(b) System management in accordance with Tables V(a) and V(b) of this Rule shall be required for all systems installed or repaired after July 1, 1992. After July 1, 1992, system management in accordance with Tables V(a) and V(b) shall be required for all existing Type V and Type VI systems.

(c) No Improvement Permit or Construction Authorization shall be issued for Type IV, Type V, or Type VI systems, unless a management entity of the type specified in Table V(b) is specifically authorized, funded, and operational to carry out this management program in the service area where the proposed system is to be located.

(d) A local health department may be the public management entity only for systems classified Type IV, V(a) and V(b) and only when specifically authorized by resolution of the local board of health.

(e) A contract shall be executed between the system owner and a management entity prior to the issuance of an Operation Permit for a system required to be maintained by a public or private management entity, unless the system owner and certified operator are the same. The contract shall include the specific requirements for maintenance and operation, responsibilities of the owner and system operator, provisions that the contract shall be in effect for as long as the system is in use, and other requirements for the continued proper performance of the system. It shall also be a condition of the Operation Permit that subsequent owners of the system execute such a contract.

(f) Inspections of the system shall be performed by a management entity at the frequency specified in Table V(b). The management entity shall report the results of their inspections to the local health department at the specified reporting frequency. However, where inspections indicate the need for system repairs, the management entity shall notify the local health department within 48 hours in order to obtain a Construction Authorization for the repairs.

(g) The management entity shall be responsible for assuring routine maintenance procedures and monitoring requirements in accordance with the conditions of the Operation Permit and the contract.

(h) Sewage systems with multiple components shall be classified by their highest or most complex system type in accordance with Table V to determine local health department and management entity responsibilities.

(i) Sewage systems not identified in this Rule shall be classified by the Division of Environmental Health after consultation with the appropriate commission governing operators of pollution control facilities.

(j) The local health department shall routinely review the performance and operation reports submitted in accordance with Table V(b) of this Rule and shall perform an on-site inspection of the systems as required in Table V(a).

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(k) The certified operator shall hold a valid and current certificate from the appropriate commission, and nothing in this Section shall preclude any requirements for system operators, in accordance with Article 3 of G.S. 90A.

TABLE V(a)

LOCAL HEALTH DEPARTMENT RESPONSIBILITIES

System Classification	System Description	Permits Required	Minimum System Review Frequency
Type I	a. Privy b. Chemical toilet c. Incinerating toilet d. Other toilet system e. Grease trap	Improvement Permit, Construction Authorization, and Operation Permit	N/A
Type II	a. Conventional septic system (single-family or 480 GPD or less) b. Conventional septic system with 750 linear feet of nitrification line or less c. Conventional system with shallow placement	Improvement Permit, Construction Authorization, and Operation Permit	N/A
Type III	a. Conventional septic system > 480 GPD (excluding single-family residence) b. Septic system with single effluent pump or siphon c. Gravity fill system d. Dual gravity field system e. PPBPS system, gravity dosed f. Large diameter pipe system g. Other non-conventional trench systems	Improvement Permit, Construction Authorization, and Operation Permit	5 yrs. (IIIb only)
Type IV	a. Any system with LPP distribution b. System with more than 1 pump or siphon	Improvement Permit, Construction Authorization, and Operation Permit	3 yrs.
Type V	a. Sand filter pretreatment system b. Any > 3,000-GPD septic tank system with a nitrification field designed for > 1500 GPD c. Aerobic Treatment Unit (ATU) d. Other mechanical, biological, or chemical pretreatment plant (< 3000 GPD)	Improvement Permit, Construction Authorization, and Operation Permit	12 mos.

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Type VI	a. Any > 3,000 GPD system with mechanical, biological, or chemical pretreatment system plant b. Wastewater reuse/recycle	Improvement Permit, Construction Authorization, and Operation Permit	6 mos.

TABLE V(b)

MANAGEMENT ENTITY RESPONSIBILITIES

System Classification	Management Entity	Minimum System Inspection/Maintenance Frequency	Reporting Frequency
Type I	Owner	N/A	N/A
Type II	Owner	N/A	N/A
Type III	Owner	N/A	N/A
Type IV	Public Management Entity with a Certified Operator or a private Certified Operator	2/yr.	12 mos.
Type V	Public Management Entity With a Certified Operator or a private Certified Operator	a. 2/yr (0-1500 GPD) 4/yr (1500-3000 GPD) 12/yr (3000-10000 GPD) 1/wk (> 10000 GPD) b. 12/yr (3000-10000 GPD) 1/wk (> 10000 GPD) c. 4/yr. d. 12/yr.	6 mos.
Type VI	Public Management Entity With a Certified Operator	a. 1/wk(3000-10000 GPD) 2/wk(10000-25000 GPD) 3/wk(25000-50000 GPD) 5/wk(> 75000 GPD) b. 12/yr.	3 mos.

(l) A sewage collection, treatment, and disposal system that creates or has created a public health hazard or nuisance by surfacing of effluent or discharge directly into groundwater or surface waters, or that is partially or totally destroyed shall be repaired within 30 days of notification by the state or local health department unless the notification otherwise specifies a repair period in writing. If a system described in the preceding sentence has for any reason been disconnected, the system shall be repaired prior to reuse. The state or local health department shall use its best professional judgement in requiring repairs that will reasonably enable the system to function properly. If, for any reason, a sewage collection, treatment, and disposal system is found to be nonrepairable, or is no longer required, the system shall not be used, and may be required to have any contents removed, collapse any components and backfill, or otherwise secured as directed by the authorized agent to protect the public health and safety.

(m) When necessary to protect the public health, the state or local health department may require the owner or controller of a malfunctioning system to pump and haul sewage to an approved wastewater system during the time needed to repair the system.

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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.

SL (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.

N/A (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.

Susan Latt — 8/24/2012

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

---

OFFICE USE ONLY

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

SEPTIC APPLICATION FEE RECEIVED: $ 250 DATE FEE RECEIVED: 8/23/12

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

APPLICATION PROCESSED BY: lwa

GWS FILE NUMBER ASSIGNED: 7896B

APPLICATION ID NUMBER ASSIGNED: 5783

COMMENTS:

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

7896B

MECKLENBURG COUNTY
HEALTH DEPARTMENT

App#5983

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: 19502203
STREET ADDRESS: 4317 Nottaway Place Dr
CITY: Mint Hill
STATE: NC ZIP: 28105
SUBDIVISION NAME: Belle Grove Manor
LOT #: #3 LOT SIZE (acres): _____
TOWNSHIP:

○ MECKLENBURG ○ CORNELIUS ○ HUNTERSVILLE
○ DAVIDSON ○ CHARLOTTE ○ PINEVILLE
○ MATTHEWS ● MINT HILL

4. **BUILDING INFORMATION:**

BUILDING TYPE:

○ SINGLE MOBILE HOME ○ MODULAR HOME
○ DOUBLE WIDE ○ MULTIPLE FAMILY
● HOUSE ○ OTHER _____

HEATED SQUARE FOOTAGE: _____
NUMBER OF BEDROOMS: 4
NUMBER OF OCCUPANTS: _____
FOUNDATION TYPE:

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

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

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

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

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

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

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

8A. **RANK:** ____ ____ ____ ____ ____

9. **DO ANY OF THE FOLLOWING APPLY TO THE PROPERTY IN QUESTION? IF "YES" PLEASE ATTACH SUPPORTING DOCUMENTATION.**

BURIED CABLES, LANDFILLS, STUMPHOLES	○ YES ● NO	GRADING/SOIL REMOVAL PERFORMED	○ YES ● NO
EXISTING WASTEWATER (SEPTIC) SYSTEMS	○ YES ● NO	JURISDICTIONAL WETLANDS	○ YES ● NO
WELLS, SPRINGS, OR WATER LINES	○ YES ● NO	APPROVAL REQUIRED BY ANY OTHER PUBLIC AGENCY	○ YES ● NO
EASEMENTS OR RIGHT-OF-WAYS	○ YES ● NO	WASTEWATER OTHER THAN DOMESTIC SEWAGE	○ YES ● NO
CHEMICAL/PETROLEUM STORAGE TANKS	○ YES ● NO	KNOWN UNDERGROUND CONTAMINATION	○ YES ● NO
WASTE STORAGE	○ YES ● NO	GROUNDWATER USE RESTRICTIONS/VARIANCES	○ YES ● NO

10. **WHAT DATE WAS THE PROPERTY ORIGINALLY DEEDED AND RECORDED?** _____ ☒ UNKNOWN

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

12. **PROPERTY OWNER:**

NAME: Essex Homes Southeast Inc.
ADDRESS: 13310 South Ridge Dr
CITY: Charlotte
STATE: N.C. ZIP: 28273
WORK PHONE: 704-423-8588
MOBILE PHONE: 704-825-9284
FAX: 980-225-8996
E-MAIL: Slatt@essexhomes.net

13. **OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:**

NAME: Susan Latt
ADDRESS: _____
CITY: _____
STATE: ____ ZIP: _____
WORK PHONE: _____
MOBILE PHONE: _____
FAX: _____
E-MAIL: _____

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

FEE: 200.00
DATE:7/2/2014

MECKLENBURG COUNTY
GROUNDWATER & WASTEWATER SERVICES

FILE NUMBER: 7896B

PERMIT NUMBER: 30005783

PARCEL NUMBER: 19502203

JOB LOCATION INFORMATION

ADDRESS: 4317 NOTTAWAY PLACE DR

CITY: MATTHEWS **STATE: NC** **ZIP:** 28105

ISSUED TO: Essex Homes Southeast Inc

CONSTRUCTION AUTHORIZATION ISSUANCE DATE: 10/11/2012

CONSTRUCTION AUTHORIZATION CONDITIONS

1. WASTEWATER SYSTEM CONSTRUCTION AND INSTALLATION MUST MEET ALL CONDITIONS AND *SPECIFICATIONS AS SET FORTH IN IMPROVEMENT PERMIT NUMBER 30005783*, AND THE ATTACHED SITE PLAN WITH SYSTEM DETAILS. CONSTRUCTION AND INSTALLATION MUST ALSO MEET ALL REQUIREMENTS SET FORTH IN THE RULES GOVERNING SANITARY SEWAGE COLLECTION, TREATMENT, AND DISPOSAL AND ANY OTHER APPLICABLE RULES AND LAWS.

2. AN INSTALLATION APPROVAL MUST BE SECURED PRIOR TO INSTALLATION OF THE SEPTIC TANK SYSTEM. THE INSTALLER OF THE SYSTEM SHALL BE A REGISTERED SEPTIC TANK CONTRACTOR WITH THE MECKLENBURG COUNTY HEALTH DEPARTMENT.

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

4. THIS CONSTRUCTION AUTHORIZATION AS PROVIDED IN G.S. 130A-335(f) AND G.S. 130A-336(b) SHALL BE VALID FOR A PERIOD EQUAL TO THE VALIDITY OF THE IMPROVEMENT PERMIT, NOT TO EXCEED 60 MONTHS.
   *CONSTRUCTION AUTHORIZATION EXPIRATION DATE: 10/11/2017

Mecklenburg County Groundwater & Wastewater Services
700 N. Tryon St, Suite 211 Charlotte, NC 28202
Phone: (704) 336-5103 Fax: (704) 336-5994

NC DENR
Division of Environmental Health
On-Site Wastewater Section

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

Permit #: 30006783 GWS File #: 7896B Tax Parcel #: 195-022-03

- 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): 10/11/2017

Type of Installation: Residential - New System Lot Number: 3

Structure Type: HOUSE Size (ft^2): 0 # Bedrooms: 4 # Occupants: 2

Building Foundation: Crawl Space Water Supply: Municipal

II. Initial System Type: Pump to Approved System Classification: IIIg

Initial System Specifications:

Design Flow (gpd): 480 LTAR (gpd/ft^2): 0.25 Septic Tank Size (gal): 1600 Pump Tank Size (gal): 1600

Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area (ft^2): 1440 Total Trench Length (ft): 480

Maximum Trench Depth (in): 22 Depth of Media (in): 12 Distribution Device: Drop Boxes

III. Repair System Type: Pump to Approved System Classification: IIIg

Repair System Specifications:

Design Flow (gpd): 480 LTAR (gpd/ft^2): 0.25 Septic Tank Size (gal): 1600 Pump Tank Size (gal): 1600

Trench Width (ft): 3 Trench Spacing (ft): 9 Absorption Area (ft^2): 1440 Total Trench Length (ft): 480

Maximum Trench Depth (in): 22 Depth of Media (in): 12 Distribution Device: Drop Boxes

IV. Permit Conditions/Comments:

(Please See the Following Page for Permit Conditions.)

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

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

DENR Authorized Agent: Philo Walker

Signature: Philo Walker REHS

Date Issued: 10/11/2012

Owner/Legal Agent: Susan Craft
Print Name

Signature: Susan Craft

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

NC DENR
DMsion of Environmental Health
On-Site Wastewater Section

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

Permit #: 30005783 GWS File #: 7896B

IV. Permit Conditions/Comments:

- The septic system shall be installed in accordance with the plans submitted by the wastewater system design consultant.
- Flow from all gutters and downspouts shall be directed not to discharge water onto or across any part of the septic system.
- Foundation drains shall be constructed not to discharge water onto or across any part of the septic system.
- The septic system shall be located at least 10 feet from any foundation drain.

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

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

DENR Authorized Agent: Philo Walker
Signature: Philo Walker REHS
Date Issued: 10/11/2012

Owner/Legal Agent: Susan Latt
Print Name
Signature: Susan Latt

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 #: **30005783** GWS File #: **7896B** Tax Parcel #: **195-022-03**

- 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):** 10/11/2017

Type of Installation: Residential - New System Lot Number: 3

Structure Type: HOUSE Size (ft^2): 0 # Bedrooms: 4 # Occupants: 2

Building Foundation: Crawl Space Water Supply: Municipal

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

Initial System Specifications:

Design Flow (gpd):	480	LTAR (gpd/ft^2):	0.25	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	1500
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	1440	Total Trench Length (ft):	480
Maximum Trench Depth (in):	22	Depth of Media (in):	12	Distribution Device:	Drop Boxes		

III. Repair System Type: Pump to Approved **System Classification:** IIIg

Repair System Specifications:

Design Flow (gpd):	480	LTAR (gpd/ft^2):	0.25	Septic Tank Size (gal):	1500	Pump Tank Size (gal):	1500
Trench Width (ft):	3	Trench Spacing (ft):	9	Absorption Area (ft^2):	1440	Total Trench Length (ft):	480
Maximum Trench Depth (in):	22	Depth of Media (in):	12	Distribution Device:	Drop Boxes		

IV. Permit Conditions/Comments:

(Please See the Following Page for Permit Conditions.)

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

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

DENR Authorized Agent: Philo Walker

Signature: Philo Walker REHS

Date Issued: 10/11/2012

Owner/Legal Agent: _____
Print Name

Signature: _____

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

NC DENR
Division of Environmental Health
On-Site Wastewater Section

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

Permit #: **30005783** GWS File #: **7896B**

IV. Permit Conditions/Comments:

- The septic system shall be installed in accordance with the plans submitted by the wastewater system design consultant.
- Flow from all gutters and downspouts shall be directed not to discharge water onto or across any part of the septic system.
- Foundation drains shall be constructed not to discharge water onto or across any part of the septic system.
- The septic system shall be located at least 10 feet from any foundation drain.

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

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

DENR Authorized Agent: Philo Walker

Signature: Philo Walker REHS

Date Issued: 10/11/2012

Owner/Legal Agent: _____
Print Name

Signature: _____

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

Sheet: 1 of 3
Property ID: 19502203
Lot #: 3
File #: 7896B
AppID: 5783

SOIL/SITE EVALUATION for ON-SITE WASTEWATER SYSTEM

Owner: Essex Homes Southeast Inc.
Applicant: Essex Homes Southeast Inc.
Address: 13310 Southridge Dr. Charlotte, NC 28273
Date Evaluated: 9/6/2012
Proposed Facility: Residence Design Flow (.1949) 480 GPD
Property Size:
Location of Site: 4317 Nottaway Place Dr. Mint Hill, NC 28105
Property Recorded:
Water Supply: [X] Public [ ] Individual [ ] 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
Pit 1	LS	0-5	wfsbk Cl	ss sp fr sexp	2.5 YR 7/1 @ 32"	43	NA	PS	PS IV
	2%	5-43	mmsbk/abk C	ss p fi sexp					0.25
Pit 2	LS	0-15	wfg L	ss sp fr sexp	2.5 YR 7/1 @ 43"	45	NA	PS	PS IV
	2%	15-40	mfsbk/abk C	ss sp fi sexp					0.25
		40-45	wfsbk C	ss sp fi sexp					
Pit 3	LS	0-10	wfg L	ss sp fr sexp	2.5 YR 7/1 @ 35"	49	NA	PS	PS IV
	2%	10-49	mmabk/sbk	ss sp fi sexp					0.25
Pit 4	LS	0-14	wfg L	ss sp fr sexp	2.5 YR 7/1 @ 35"	45	NA	PS	PS IV
	2%	14-31	mmabk C	ss sp fi sexp					0.25
		31-45	mfsbk/abk C	s p fi sexp					
Pit 5	LS	0-9	wfg L	ss sp fr sexp	2.5 YR 7/2 @ 35"	48	NA	Ps	PS IV
	2%	9-31	mfsbk/abk C	ss sp fi sexp					0.25
		31-48	wfabk/sbk C	ss sp fi sexp					
Pit 6	LS	0-8	wfg SCL	ss sp fr sexp	2.5 YR 7/1 @ 35"	48	NA	PS	PS IV
	3%	8-35	mmsbk/abk C	s p fi sexp					0.25
		35-48	wfabk/abk C	ss sp fi sexp					
Pit 7	LS	0-38	Fill	Fill	>84	84	NA	PS	US
	3%	38-45	wfsbk SCL	ss sp fr sexp					unless fill
		45-84	mfsbk/abk C	ss sp fi sexp					material is
									removed

Description	Initial System	Repair System
Available Space (.1945)	PS	PS
System Type(s)	Illg	Illg
Site LTAR	.25	.25

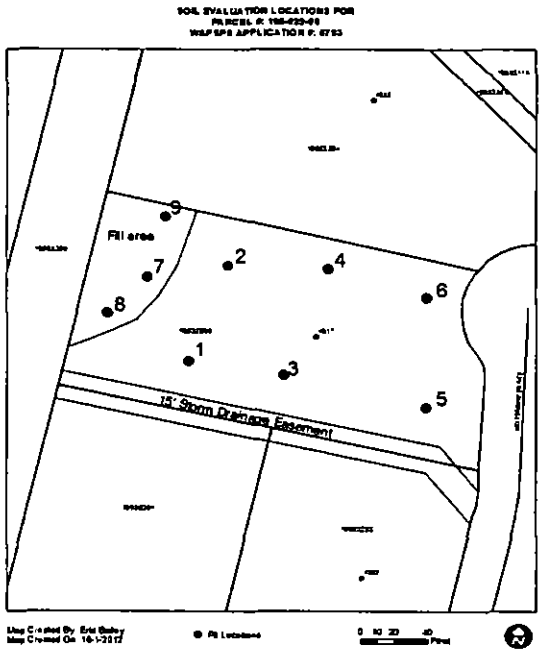
Other Factors (.1946):
Soil Evaluation By: Eric Bailey LSS Eric Bailey
Others Present:
Site Classification (.1948): PS
Site Evaluation By: Phil Walker REHS
Others Present:

COMMENTS:

Landscape Position	Group	Texture	.1955 LTAR	Structure
R-Ridge	I	S-Sand	1.2 - 0.8	SG-Single Grain
SS-Shoulder Slope		LS-Loamy Sand		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		
D-Drainage Way		SiL- (Silt 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	NEXP-(Non-expansive)
FR-Friable	SS-Slightly Sticky	SEXP-Slightly Expansive
FI-Firm	S-Sticky	EXP-Expansive
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



SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM
CONTINUED

PROFILE #	.1940 Landscape Position/ Slope%	Horizon Depth (IN.)	SOIL MORPHOLOGY .1941 .1941 Structure/ Texture	SOIL MORPHOLOGY .1941 .1941 Consistence Mineralogy	OTHER PROFILE FACTORS .1942 Soil Wetness/ Color	.1943 Soil Depth (IN.)	.1956 Sapro Class	.1944 Restr Horiz	Profile Class & LTAR
8	LS	0-8	Fill	Fill	2.5 YR 7/1 @ 33"	48	NA	PS	PS IV
	3%	8-19	wfsbk SCL	ss sp fr sexp					0.25
		19-48	mfsbk/abk C	ss sp fi sexp					
9	LS	0-23	Fill	Fill	>61"	61	NA	PS	US
	3%	23-27	wfg SCL	ss sp fr sexp					unless fill
		27-35	wfsbk SCL	ss sp fr sexp					is removed
		35-61	mmsbk C	ss sp fi sexp					

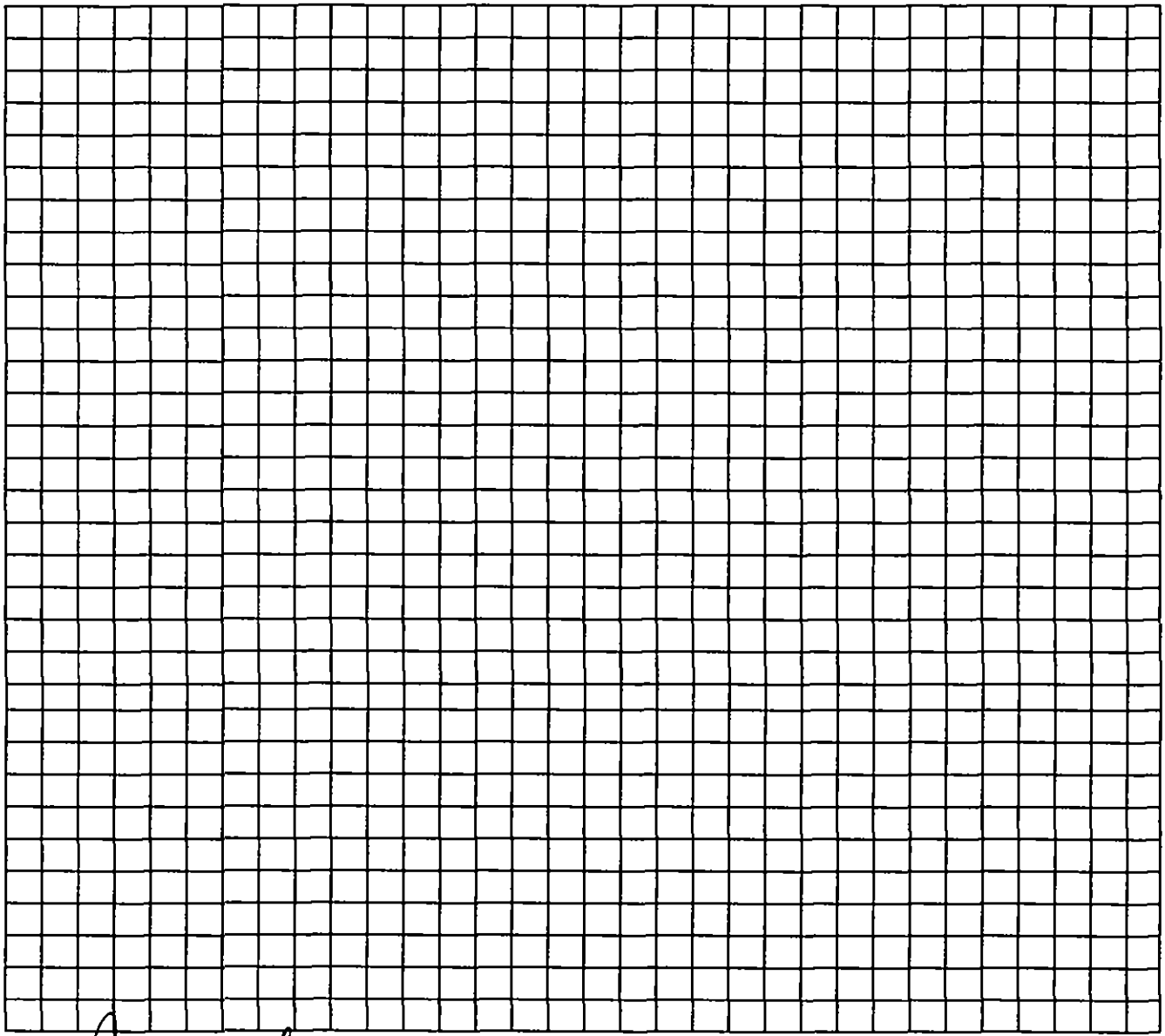
File #: _____

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: _____ Tax Parcel #: _____

Subdivision Name: _____ Lot #: _____



Property Owner's or Owner's Legal Representative Signature

8/24/2012
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

7856B

MECKLENBURG COUNTY
GROUNDWATER & WASTEWATER SERVICES 3828

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: 19502203
STREET ADDRESS: 4317 NOTTAWAY PLACE DR
CITY: Mint Hill
STATE: NC ZIP: 28227
SUBDIVISION NAME: Belle Grove Manor
LOT #: 3 LOT SIZE (acres): 0.71 Ac
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: 4000 ±
NUMBER OF BEDROOMS: 4
NUMBER OF OCCUPANTS:
FOUNDATION TYPE:
☐ CONCRETE SLAB ☐ BASEMENT WITH PLUMBING
☐ CRAWL SPACE ☐ BASMENT 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: ____ ____ ____ ____ ____

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: Nottaway Plantation, LLC
ADDRESS: 8041 Corporate Center Dr. Suite 200
CITY: Charlotte
STATE: NC ZIP: 28226
HOME PHONE: ——
WORK PHONE: (704) 540-4706
MOBILE PHONE: (704) 578-7801
FAX: (704) 540-4708

13. OWNER'S LEGAL REPRESENTATIVE, IF APPLICABLE:
NAME:
ADDRESS:
CITY:
STATE: ZIP:
HOME PHONE:
WORK PHONE:
MOBILE PHONE:
FAX:

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

Revised on: 7/1/08

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.

AMA (Initial here for septic system applications)

15. WELL PERMIT APPLICATION:

If the information in this application is falsified, changed, or the site is altered, then the Well Permit shall become invalid. I have read this application and certify that the information provided herein is true, complete and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed. The permit is valid for a period of twelve (12) months from the date of issuance.

_____ (Initial here for well applications)

16. APPLICATION SIGNATURE SECTION:

ONLY COMPLETE APPLICATIONS WILL BE PROCESSED. A proper signature is required in order to process your application. Please review the application carefully and sign in the space provided below.

Anthony Mosley
Property Owner's or Owner's Legal Representative Signature

8.21.08
Date

OFFICE USE ONLY

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

SEPTIC APPLICATION FEES RECEIVED: $ 250 CHK 1053 DATE FEE RECEIVED: 8/25/08

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

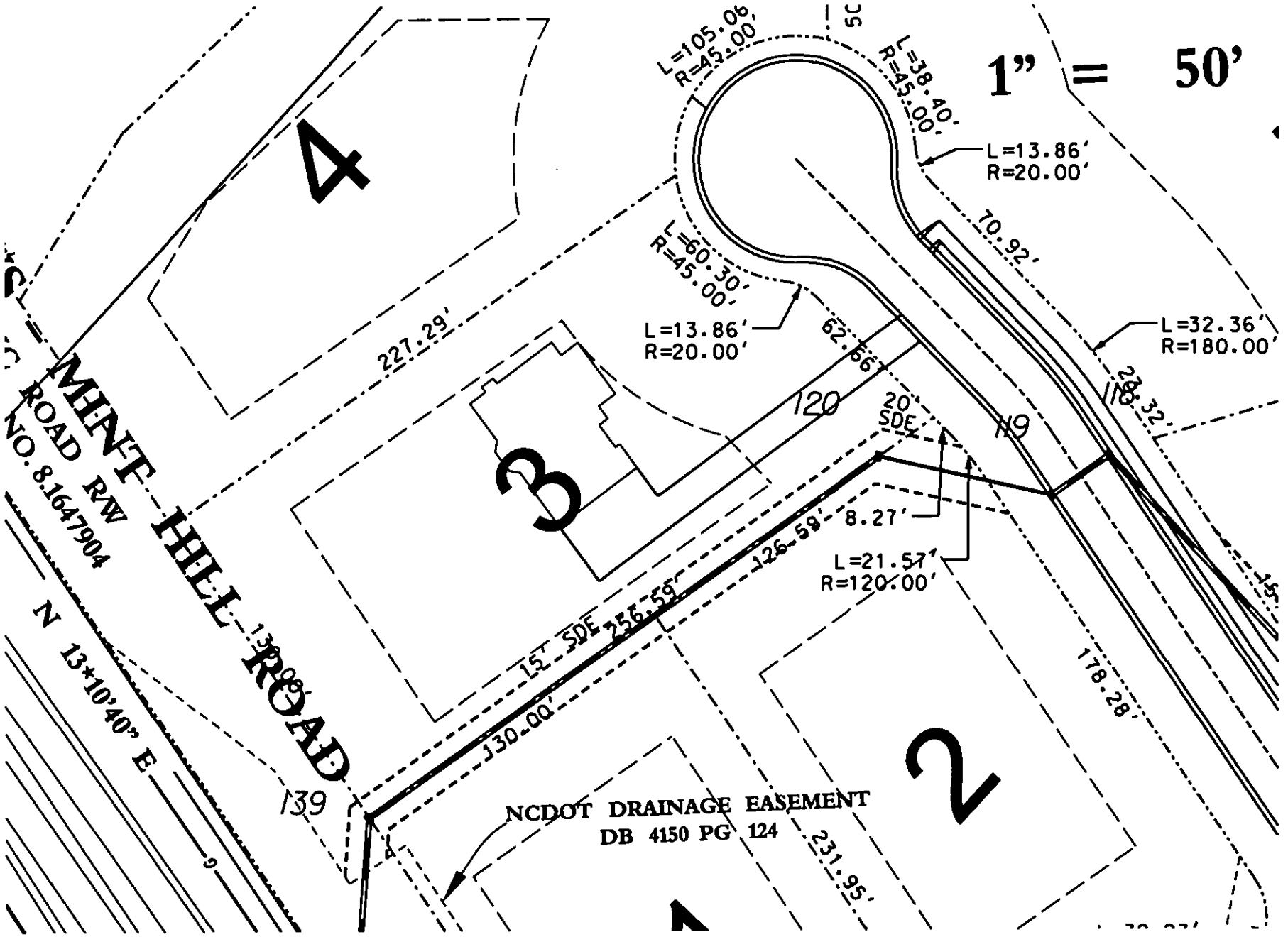
APPLICATION PROCESSED BY: JC

GWS FILE NUMBER ASSIGNED: 7896B

APPLICATION ID NUMBER ASSIGNED: 3828

COMMENTS:

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


1" = 50'
4
3
2
MINT HILL ROAD
ROAD RW
NO. 8.1647904
N 13°10'40" E
L=105.06'
R=45.00'
L=38.40'
R=45.00'
L=13.86'
R=20.00'
L=60.30'
R=45.00'
L=13.86'
R=20.00'
L=32.36'
R=180.00'
L=21.57'
R=120.00'
227.29'
62.66'
120
20' SDE
8.27'
126.59'
15' SDE
256.59'
130.00'
139
NCDOT DRAINAGE EASEMENT
DB 4150 PG 124
231.95'
178.28'
10.92'
119.32'
119
15'

2008124733 MAP BOOK 50 PAGE 580

Approved in accordance with the provisions of the Subdivision Ordinance of the Town of Mint Hill, North Carolina.

MINT HILL PLANNING BOARD
William A Long 7.16.08
Planning Board Chairman Date

Approved in accordance with the Engineering requirements of the Subdivision Ordinance of Mecklenburg County, North Carolina.

Mecklenburg County Engineering Department
Engineering Staff 7/16/08 Date

I, John Hoard, Review Officer of Mecklenburg County, certify that the map or plot to which this certification is affixed meets all statutory requirements for recording.
Review Officer 7/17/08 Date

BUILDING REGISTRATION
JUL 21 2008
12:49

CERTIFIED TO BE A TRUE AND CORRECT COPY OF THE ORIGINAL MAP RECORDED IN BOOK 50 PAGE 580
DATE 7-21-08
JUDITH A GIBSON REGISTER OF DEEDS
BY Judith A Gibson DEPUTY

JUDITH A. GIBSON REGISTER OF DEEDS MECKLENBURG COUNTY, N.C.

SEPTIC EASEMENT NOTE:
(SHADED AREA)

SEPTIC FIELD EASEMENT FOR THE BENEFIT OF LOT 5. THE OWNER OF LOT 5 WILL BE RESPONSIBLE FOR THE UPKEEP OF THIS AREA IN A MANNER ACCEPTABLE FOR TYPICALLY MAINTAINED LAWN. IF OWNER OF LOT 5 FAILS TO MAINTAIN AREA THE HOA HAS THE RIGHT TO AFFECT WHATEVER MEASURES NECESSARY TO BRING THIS AREA INTO COMPLIANCE. ALL COSTS ASSOCIATED WITH THIS EFFORT WITH BE THE RESPONSIBILY OF THE OWNER OF LOT 5.

NOTES

AREAS COMPUTED BY COORDINATE METHOD

SUBJECT TO RIGHTS OF WAY OR EASEMENTS OF RECORD NOT SHOWN HEREON, IF ANY

TAX PARCELS 195-022-04

TOTAL AREA SHOWN 48,700 SQ. FT./ 1.118 ACRES

THIS SURVEY IS OF ANOTHER CATEGORY, SUCH AS THE RECOMBINATION OF EXISTING PARCELS, A COURT-ORDERED SURVEY, OR OTHER EXCEPTION TO THE DEFINITION OF SUBDIVISION

TOTAL NUMBER OF NEW LOTS 0

CURRENT ZONING R (PER TAX RECORDS)

IR REBARS SET AT ALL CORNERS UNLESS OTHERWISE NOTED

SUBJECT PROPERTY LEGAL REFERENCE, DB 23688 PG 299

ALL DISTANCES SHOWN HEREON ARE GROUND DISTANCES UNLESS NOTED OTHERWISE

NO MORE MONUMENT FOUND WITHIN 2000' OF PROPERTY

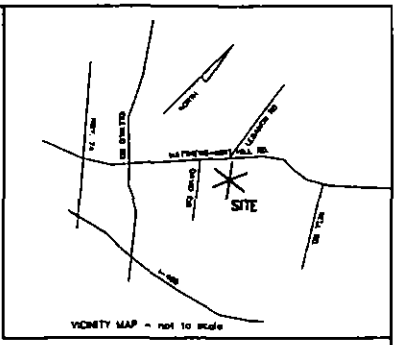
ALL ADJOINING OWNERS SHOWN HEREON WERE TAKEN FROM MECKLENBURG COUNTY TAX RECORDS AND ARE CONSIDERED NOW OR FORMERLY.

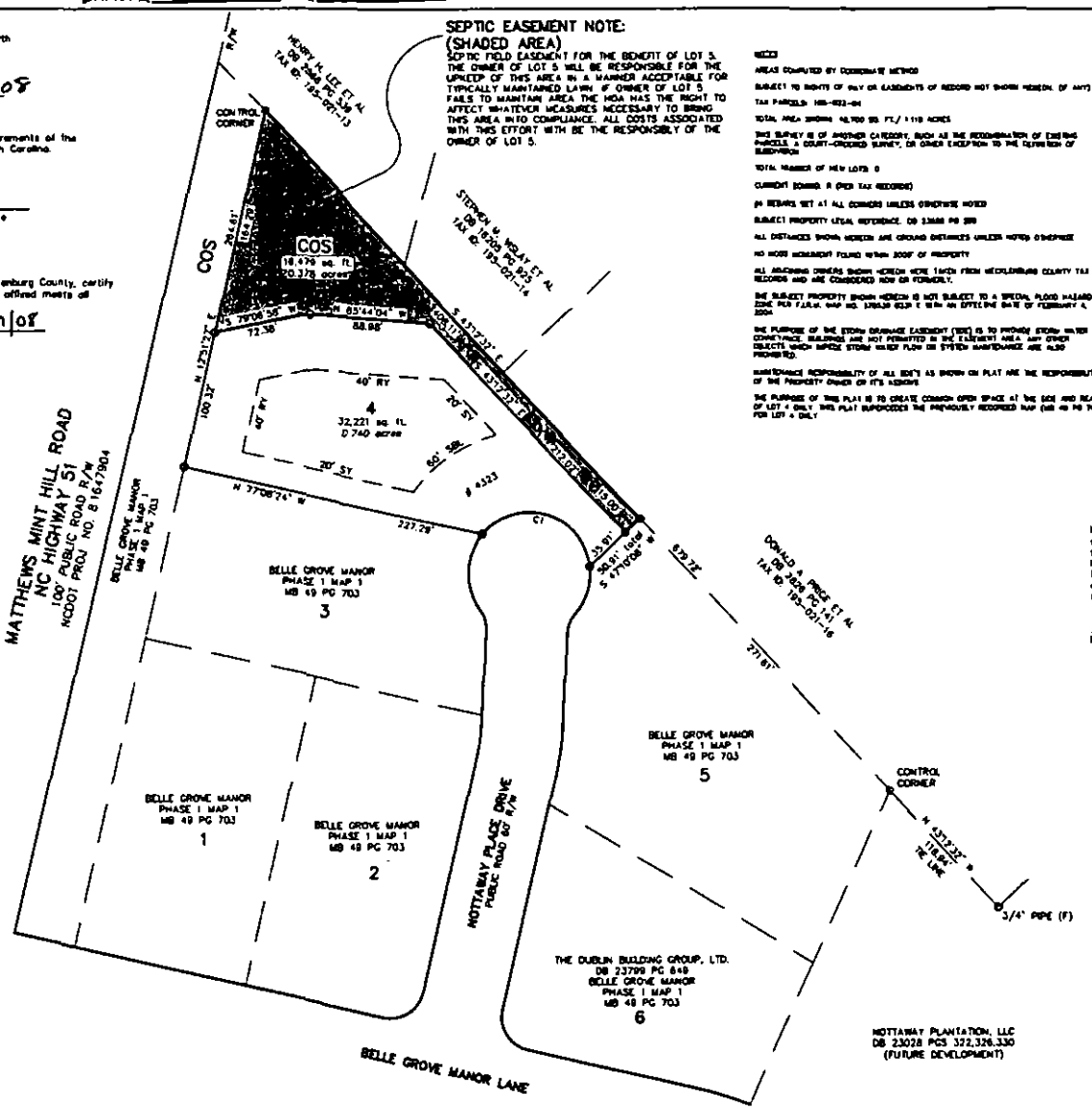
THE SUBJECT PROPERTY SHOWN HEREON IS NOT SUBJECT TO A SPECIAL FLOOD HAZARD ZONE PER F.I.R.M. MAP NO. 3710570 0031 E WITH AN EFFECTIVE DATE OF FEBRUARY 4, 2004

THE PURPOSE OF THE STORM DRAINAGE EASEMENT (SDE) IS TO PROVIDE STORM WATER CONVEYANCE. BUILDINGS ARE NOT PERMITTED IN THE EASEMENT AREA. ANY OTHER OBJECTS WHICH IMPEDE STORM WATER FLOW OR SYSTEM MAINTENANCE ARE ALSO PROHIBITED.

MAINTENANCE RESPONSIBILITY OF ALL SDE'S AS SHOWN ON PLAT ARE THE RESPONSIBILITY OF THE PROPERTY OWNER OR IT'S ASSIGNS

THE PURPOSE OF THIS PLAT IS TO CREATE COMMON OPEN SPACE AT THE SIDE AND REAR OF LOT 4 ONLY. THIS PLAT SUPERCEDES THE PREVIOUSLY RECORDED MAP (MB 49 PG 703) FOR LOT 4 ONLY





I, Robert D. Bartlett, certify that this plat was drawn under my supervision from an actual survey made under my supervision; that the boundaries not surveyed are clearly indicated as drawn lines; that the ratio of precision as calculated is 1: 19565; that this plat was prepared in accordance with G.S. 47-30 as amended. Witness my original signature, registration number and seal this 11th day of July, A.D., 2008.

Robert D. Bartlett
Professional Land Surveyor

L-3635
Reg. No

NORTH CAROLINA PROFESSIONAL SEAL L-3635 LAND SURVEYOR ROBERT D. BARTLETT

DEDICATION OF OPEN SPACE

THE (OWNERS) IN RECORDING THIS PLAT AS A PORTION OF THE BELLE GROVE MANOR HAS DESIGNATED CERTAIN PARTS AS "COMMON OPEN SPACE" FOR THE USE BY THE HOMEOWNERS OR TENANTS OF BELLE GROVE MANOR NOT FOR USE BY THE GENERAL PUBLIC BUT FOR PARKING RECREATIONAL AND OTHER RELATED ACTIVITIES AS MORE FULLY PROVIDED FOR THE DECLARATION OF COVENANTS, CONDITIONS, AND RESTRICTIONS APPLICABLE TO BELLE GROVE MANOR WHICH DECLARATIONS WILL BE RECORDED IN THE MECKLENBURG COUNTY REGISTRAR OF DEEDS BEFORE ANY LOTS ARE SOLD AND WHICH SAID DECLARATION IS HEREBY MADE A PART OF THIS PLAT AND INCORPORATED HEREIN

LEGEND:

EIP	- EXISTING IRON	℄	- CENTERLINE
R/W	- RIGHT OF WAY	DB	- DEED BOOK
SBL	- SETBACK LINE	PG	- PAGE
SY	- SIDE YARD	□	- CONCRETE MONUMENT
RY	- REAR YARD	NTS	- NOT TO SCALE
UE	- UTILITY EASEMENT	ST	- SIGHT TRIANGLE
SSE	- SANITARY SEWER EASEMENT	COS	- COMMON OPEN SPACE
SDE	- PUBLIC STORM DRAINAGE EASEMENT	# XXXX	- ADDRESS

CURVE TABLE				
CURVE	LENGTH	RADIUS	CHORD	CHORD BEARING
C1	105.06	45.00	82.77	N 73°30'18" W

GRAPHIC SCALE
(IN FEET)
1 inch = 60 ft.

OWNER
LOT 4
THE DUBLIN BUILDING GROUP, LTD.
2408-A PLANTATION CENTER DRIVE
MATTHEWS, NC 28105

REVISIONS		
NO.	DATE	REMARKS

INSITE Engineering & Surveying
8041 Corporate Center Drive
Suite 280
Charlotte, NC 28226
Phone: (704) 548-4706
Fax: (704) 548-4708

REVISED RECORD MAP SHOWING
BELLE GROVE MANOR
PHASE 1, MAP 1 – LOT 4
TOWN OF MINT HILL
MECKLENBURG COUNTY, NORTH CAROLINA

DATE	July 11, 2008
TECHNICIAN	
CHECKED BY	RDB
SCALE	1" = 60'
PROJECT NO.	
DRAWING TITLE	

SHEET NO. 1 OF 1

2008007804 MAP BOOK 49 PAGE 703

Approved in accordance with the provisions of the Subdivision Ordinance of the Town of Mint Hill, North Carolina.

MINT HILL PLANNING BOARD
William A. Long
Planning Board Chairman
Date

APPROVED IN ACCORDANCE WITH THE ENGINEERING REQUIREMENTS OF THE SUBDIVISION ORDINANCE OF MECKLENBURG COUNTY, NORTH CAROLINA.

MECKLENBURG COUNTY ENGINEERING DEPARTMENT
Engineering Dept. 1/10/08 DATE

DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
PROPOSED SUBDIVISION ROAD CONSTRUCTION STANDARDS CERTIFICATION
APPROVED: District Engineer
11 Jan 08 DATE

FILED FOR REGISTRATION
JAN 15 2008
12:02 PM
Register of Deeds, Mecklenburg County, NC

3/4" PIPE (F)

RICHARD D. WALTMAN AND WIFE NORA L. WALTMAN
DB 8862 PG 033
MB 22 PG 712
TAX ID: 195-021-26

CONTROL CORNER

DONALD A. PRICE ET AL
DB 2608 PG 141
TAX ID: 195-021-18

STEPHEN M. HOLLEY ET AL
DB 14108 PG 825
TAX ID: 195-021-14

HENRY M. LEE ET AL
DB 2598 PG 534
TAX ID: 195-021-13

CURVE TABLE

CURVE	LENGTH	RADIUS	CHORD BRG	CHORD
C1	43.21'	330.00	N73°23'19"W	43.18
C2	39.27'	25.00	N32°06'29"W	35.35
C3	32.36'	180.00	N07°42'27"E	32.31
C4	13.84'	20.00	N22°24'54"E	13.59
C5	38.60'	45.00	N17°48'30"E	37.25
C6	109.06'	45.00	N73°36'18"W	82.73
C7	60.30'	45.00	N01°13'28"W	55.88
C8	13.84'	20.00	N17°18'00"W	13.56
C9	21.57'	120.00	S07°42'27"W	21.54
C12	39.27'	25.00	S57°51'31"W	35.36
C13	40.13'	25.00	S33°07'31"E	35.98
C14	39.27'	25.00	N57°51'31"E	35.36

5 — 44,784 SQ. FT. 1.028 ACRES
6 — 30,118 SQ. FT. 0.691 ACRES
4 — 49,160 SQ. FT. 1.129 ACRES
3 — 30,044 SQ. FT. 0.690 ACRES
2 — 30,043 SQ. FT. 0.690 ACRES
1 — 30,092 SQ. FT. 0.691 ACRES
54 — 32,178 SQ. FT. 0.739 ACRES
55 — 31,741 SQ. FT. 0.729 ACRES
COS — 28,135 SQ. FT. 0.646 ACRES
COS — 11,331 SQ. FT. 0.260 ACRES

BELLE GROVE MANOR LANE
PUBLIC ROAD 60' R/W

NOTTAWAY PLACE DRIVE
PUBLIC ROAD 60' R/W

MATTHEWS MINT HILL ROAD
NC HIGHWAY 51
100' PUBLIC ROAD R/W
NCDOT PROJ. NO. 8.1647904

NCDOT RIGHT OF WAY
(FEE SIMPLE)
DB 4150 PG 124

NCDOT DRAINAGE EASEMENT
DB 4150 PG 124

NCDOT DRAINAGE EASEMENT
DB 4150 PG 124
DB 4080 PG 842

REBAR (F)

NOTES

AREAS COMPUTED BY COORDINATE METHOD

SUBJECT TO RIGHTS OF WAY OR EASEMENTS OF RECORD NOT SHOWN HEREON, IF ANY

TAX PARCELS 195-021-13, 195-021-26, 195-021-19

TOTAL AREA SHOWN 353,198 SQ. FT./ 8.1061 ACRES
AREA DEDICATED AS PUBLIC ROAD R/W 73,798 SQ. FT./1.694 ACRES
TOTAL COS AREA 39,466 SQ. FT./0.906 ACRES

THIS SURVEY CREATES A SUBDIVISION OF LAND WITHIN THE AREA OF A COUNTY OR MUNICIPALITY THAT HAS AN ORDINANCE THAT REGULATES PARCELS OF LAND.

TOTAL NUMBER OF LOTS: 1-6

CURRENT ZONING: R (PER TAX RECORDS)

IRON RODS SET AT ALL CORNERS UNLESS OTHERWISE NOTED

SUBJECT PROPERTY LEGAL REFERENCE: DB 8862, PG 33

ALL DISTANCES SHOWN HEREON ARE GROUND DISTANCES UNLESS NOTED OTHERWISE.

NO MONUMENT FOUND WITHIN 2000' OF PROPERTY

ALL ADJOINING OWNERS SHOWN HEREON WERE TAKEN FROM MECKLENBURG COUNTY TAX RECORDS AND ARE CONSIDERED NOW OR FORMERLY.

THE SUBJECT PROPERTY SHOWN HEREON IS NOT SUBJECT TO A SPECIAL FLOOD HAZARD ZONE PER F.I.R.M. MAP NO. 3768J IN WHICH AN EFFECTIVE DATE OF FEBRUARY 4, 2004.

THE PURPOSE OF THE STORM DRAINAGE EASEMENT (SDE) IS TO PROVIDE STORM WATER CONVEYANCE. BUILDINGS ARE NOT PERMITTED IN THE EASEMENT AREA. ANY OTHER OBJECTS WHICH IMPEDE STORM WATER FLOW OR SYSTEM MAINTENANCE ARE ALSO PROHIBITED.

MAINTENANCE RESPONSIBILITY OF ALL SDE'S AS SHOWN ON PLAT ARE THE RESPONSIBILITY OF THE PROPERTY OWNER OR ITS HEIRS.

NO RIGHT OF WAY DEDICATED TO NCDOT ALONG HIGHWAY 51

NO STAKE HOLES ON PLAT AT END OF SURVEY

VICINITY MAP – not to scale

I, Robert D. Bartlett, certify that this plat was drawn under my supervision from an actual survey made under my supervision (deed description recorded in Book 8862, page 33); that the boundaries not surveyed are clearly indicated as drawn from information found in Instrument shown hereon; that the ratio of precision as calculated is 1: 10565; that this plat was prepared in accordance with G.S. 47-30 as amended. Witness my original signature, registration number and seal this 9th day of January, A.D., 2008.

Robert D. Bartlett
Registration Number L-3835

NORTH CAROLINA PROFESSIONAL SEAL L-3835 LAND SURVEYOR ROBERT D. BARTLETT

I, Robert D. Bartlett hereby certify that this survey creation a subdivision of less than the area of a county or municipality that has an ordinance that regulates parcels of land.

Professional Land Surveyor L-3835 Reg. No.

John Hoard, Review Officer of Mecklenburg County, certify that the map or plat to which this certification is affixed meets all statutory requirements for recording.

Review Officer 1/15/08 Date

DEDICATION OF OPEN SPACE

THE (OWNERS) IN RECORDING THIS PLAT AS A PORTION OF THE BELLE GROVE MANOR HAS DESIGNATED CERTAIN PARTS AS "COMMON OPEN SPACE" FOR THE USE BY THE HOMEOWNERS OR TENANTS OF BELLE GROVE MANOR NOT FOR USE BY THE GENERAL PUBLIC BUT FOR PARKING RECREATIONAL AND OTHER RELATED ACTIVITIES AS MORE FULLY PROVIDED FOR IN THE DECLARATION OF COVENANTS, CONDITIONS, AND RESTRICTIONS APPLICABLE TO BELLE GROVE MANOR WHICH DECLARATIONS WILL BE RECORDED IN THE MECKLENBURG COUNTY REGISTRAR OF DEEDS BEFORE ANY LOTS ARE SOLD AND WHICH SAID DECLARATION IS HEREBY MADE A PART OF THIS PLAT AND INCORPORATED HEREIN.

CERTIFIED TO BE A TRUE AND CORRECT COPY OF THIS ORIGINAL MAP RECORDED IN BOOK 49 PAGE 703
DATE: January 15, 2008
JUDITH A. GIBSON, REGISTER OF DEEDS
BY: Shirley Lyons DEPUTY

JUDITH A. GIBSON REGISTER OF DEEDS MECKLENBURG COUNTY, N.C.

LEGEND

EIP	EXISTING IRON	℄	CENTERLINE
R/W	RIGHT OF WAY	DB	DEED BOOK
SBL	SETBACK LINE	PG	PAGE
SY	SIDE YARD	□	CONCRETE MONUMENT
RY	REAR YARD	NTS	NOT TO SCALE
UE	UTILITY EASEMENT	ST	SIGHT TRIANGLE
SSE	SANITARY SEWER EASEMENT	COS	COMMON OPEN SPACE
PSDE	PUBLIC STORM DRAINAGE EASEMENT	# XXXX	ADDRESS

GRAPHIC SCALE
(IN FEET)
1 inch = 60 ft.

OWNER
NOTTAWAY PLANTATION, LLC
8041 CORPORATE CENTER DRIVE
SUITE 200
CHARLOTTE, NC 28226

REVISIONS		
NO.	DATE	REMARKS

INSITE Engineering & Surveying
8041 Corporate Center Drive
Suite 200
Charlotte, NC 28226
Phone: (704) 540-4700
Fax: (704) 540-4708

RECORD MAP SHOWING BELLE GROVE MANOR PHASE 1, MAP 1
TOWN OF MINT HILL
MECKLENBURG COUNTY, NORTH CAROLINA

DATE	January 9, 2008
TECHNICIAN	MET
CHECKED BY	RDB
SCALE	1" = 60'
PROJECT NO.	
DRAWING TITLE	NOTTAWAY MAP.DWG

SHEET NO. 1 OF 1

7896B

Supervisor/Administrative Professional Checklist

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

New Septic Fees Paid:

IP ($250.00) lws 8/23/12 Initials/Date

CA ($200.00) lws 10/30/12 Initials/Date

OP ($200.00) lws 10/30/12 Initials/Date

(CA and OP fees need to be paid before a building permit can be issued)

New Well Fee Paid: $550.00 _____ Initials/Date

Use Existing Fee Paid: $100.00 _____ Initials/Date

Alteration Fee Paid: $300.00 (Total) $200 (If use existing was paid)_____ Initials/Date

Modified Plot Plan Fee Paid: $100.00 _____ Initials/Date

Floor plans need to be submitted and reviewed before CA can be issued. ☐ Reviewed ☑ 10/23/12 SM

Please generate CA - I forgot to check box on the above date. Thanks

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. ☑ 10/25/12

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

Certified operator contract is on file. ☐ _____

Groundwater & Wastewater Services
Septic Project File & Data Review Worksheet

GWS File #: 7896B WASPS App #: _____

Primary ES assigned to project: PHILO WALKER

Secondary ES assigned to project: _____

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

I. File Review:

Rule or Law				
	Permit Application			
.1937(d)	Is the Application complete	Yes ☒	No ☐	N/A ☐
.1937(d)	Is there a Site plan/Plat with application	Yes ☒	No ☐	N/A ☐
.1937(d)	Is the Facility shown?	Yes ☒	No ☐	N/A ☐
.1937(d)	Are appurtenances shown	Yes ☒	No ☐	N/A ☐
	Site Evaluation Information			
.1939 (a)(1)	Topography and Landscape Position Recorded?	Yes ☒	No ☐	N/A ☐
.1940 (a-g)	Slope % Recorded?	Yes ☒	No ☐	N/A ☐
.1939 (a)(2)	Texture Class Recorded?	Yes ☒	No ☐	N/A ☐
.1939 (a)(2)	Structure type Recorded?	Yes ☒	No ☐	N/A ☐
.1939 (a)(2)	Consistence Recorded?	Yes ☒	No ☐	N/A ☐
.1939 (a)(2)	Mineralogy Recorded?	Yes ☒	No ☐	N/A ☐
.1939 (a)(3)	Soil Wetness Condition Recorded?	Yes ☒	No ☐	N/A ☐
.1939 (a)(4)	Soil Depth to Rock or Parent Material Recorded When Encountered	Yes ☒	No ☐	N/A ☐
.1939 (a)(5)	Depth to Restrictive Horizons Recorded When Encountered?	Yes ☒	No ☐	N/A ☐
.1939 (a)(6)	Sufficient Available Space Recorded?	Yes ☒	No ☐	N/A ☐
.1937(m)	Are the Profile Locations Shown?			
.1939(a)	Are the S/PS Profiles in system & in repair area?	Yes ☒	No ☐	N/A ☐
& .1945(b)	Number of auger borings made: 9 Were sufficient auger borings made?	Yes ☒	No ☐	N/A ☐
.1939(d), .1955, .1956, .1957	LTAR 0.25	Yes ☒	No ☐	N/A ☐
	Improvement Permit/Construction Authorization			
.1937(g)	Proposed System Type stated-Initial	Yes ☒	No ☐	N/A ☐
130A-336(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: 5/1/14

OP issued date: 6/27/14

Review performed by: JAM

Date performed: 6/30/14

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date: 10/30/12
Receipt #: 80321
Check / Auth #: CHECK 2980
Received By: SADERLW

Amount: 200.00
Tendered: 200.00
Returned: 0.00

Account Information

Account #: 200000
Contractor: ESSEX HOMES SOUTHEAST INC
Attn:
Address: 120 CROMER RD
Address:
City/State/Zip: LEXINGTON, SC 29073

Item	Description	Permit#	Quantity	Unit Price	Total Price
0703	Installation/Final Approval 4317 NOTTAWAY PL DR, LOT 3		1	200.00	200.00

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
1,420.00					

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date: 10/30/12
Receipt #: 80320
Check / Auth #: CHECK 2980
Received By: SADERLW

Amount: 200.00
Tendered: 200.00
Returned: 0.00

Account Information

Account #: 200000
Contractor: ESSEX HOMES SOUTHEAST INC
Attn:
Address: 120 CROMER RD
Address:
City/State/Zip: LEXINGTON, SC 29073

Item	Description	Permit#	Quantity	Unit Price	Total Price
0734	Auth for Waste Wtr Sys Constr 4317 NOTTAWAY PL DR, LOT 3		1	200.00	200.00

7896B

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

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
1,420.00					

Essex Homes Southeast, Inc

MECKSEPT MECKLENBURG CTY-GROUNDWATER &

DATE	INVOICE NO	DESCRIPTION	INVOICE AMOUNT	DEDUCTION	BALANCE
102512		BLG 3 - TAX# 195-022-03	400.00		400.00
		7896 B 4317 Nottaway Pl Dr lot 3			

CHECK DATE	10-25-12	CHECK NUMBER	2980100	TOTAL >	400.00		400.00

PLEASE DETACH AND RETAIN FOR YOUR RECORDS

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	08/23/12	**Amount:**	250.00
Receipt #:	79374	**Tendered:**	250.00
Check / Auth #:	CHECK 2977	**Returned:**	0.00
Received By:	SADERLW		

Account Information

Account #: 200000
Contractor: ESSEX HOES SOUTHEAST INC
Attn:
Address: 120 CROMER RD
Address:
City/State/Zip: LEXINGTON, SC 29073

Item	Description	Permit#	Quantity	Unit Price	Total Price
0701	Improvment Permit App-Residen 4317 NOTTAWAY PLACE DR, LOT 3		1	250.00	250.00

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
20.00					

MECKLENBURG COUNTY
LAND USE AND ENVIRONMENTAL SERVICES
Payment Receipt

Receipt Information

Date:	08/25/08	**Amount:**	4,750.00
Receipt #:	58725	**Tendered:**	4,750.00
Check / Auth #:	CHECK 1053	**Returned:**	0.00
Received By:	CRAIGGY		

Account Information

Account #: 200000
Contractor: NOTTAWAY PLANTATION LLC
Attn:
Address: 8041 CORPORATE CENTER DR
Address: SUITE 200
City/State/Zip: CHARLOTTE, NC 28226

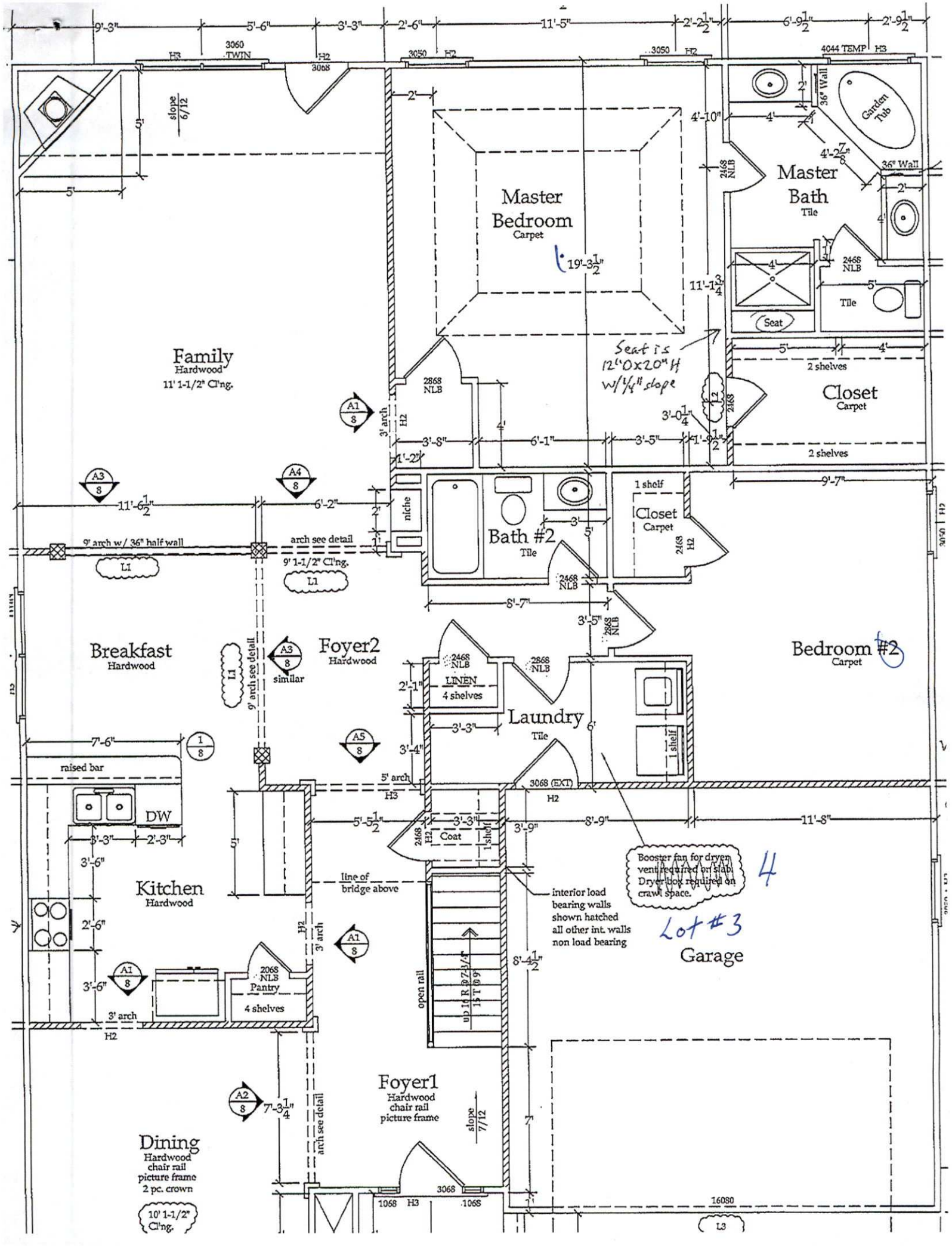
Item	Description	Permit#	Quantity	Unit Price	Total Price
0701	Improvment Permit App-Residen 19 LOTS BELLE GROVE MANOR		1	4,750.00	4,750.00

Outstanding Balances

Month-To-Date	Prior Month	30 Days	60 Days	90 Days	Balance
75.00					

NOTTAWAY PLANTATION LLC **1053**

Mecklenburg County		8/22/2008	
	Septic Applications-19 lots (Belle Grove Manor) Lots 3,7,8,9,10,11,12,14,23-31, 54,55		4,750.00
BB&T Checking	Septic applications (19 lots)		4,750.00


Master Bedroom
Carpet
Master Bath
Tile
Garden Tub
36" Wall
Family
Hardwood
11' 1-1/2" Cl'ng.
Seat is 12"Dx20"W w/1/4" slope
Closet
Carpet
2 shelves
Bath #2
Tile
Closet
Carpet
1 shelf
niche
9' arch w/ 36" half wall
arch see detail
9' 1-1/2" Cl'ng.
Breakfast
Hardwood
Foyer2
Hardwood
similar
LINEN
4 shelves
Laundry
Tile
Bedroom #2
Carpet
raised bar
DW
Kitchen
Hardwood
line of bridge above
Coat
Booster fan for dryer vent required on slab. Dryer box required on crawl space.
interior load bearing walls shown hatched all other int. walls non load bearing
Lot #3
Garage
Pantry
4 shelves
open rail
Foyer1
Hardwood
chair rail
picture frame
Dining
Hardwood
chair rail
picture frame
2 pc. crown
10' 1-1/2" Cl'ng.
16080

Double Jack Studs 5'-10" 6",
Triple Jack Studs @ Garage Door.

