Site Address: 151 Autumn Grove Ln - Mrsvl.

IREDELL COUNTY HEALTH DEPARTMENT

STATESVILLE 704-878-5305 MOORESVILLE 704-664-5281

IMPROVEMENT PERMIT / AUTHORIZATION TO CONSTRUCT / OPERATION PERMIT / EXISTING SYSTEM INSPECTION

PERMIT# ~~14552~~ 211043 PIN# 4659157612060 ~~9287~~ DATE 11-13-07

OWNER OR APPLICANT E+J Development Co. PHONE: Business 704-201-6465 Home

ADDRESS PO Box 1065 Huntersville NC 28070

LOCATION Hwy 21 N TL Clear Springs TL Autumn Grove Ln on left

SUBDIVISION Autumn Grove BLOCK / SECTION 2 LOT 60 LOT AREA .63 AC SITE CLASS PS DESIGN FLOW 480gpd L.T.A.R. .3gpd/ft2

Septic Tank: 1000 Gallons; STB Date

Pump Tank: 1000 Gallons; PT Date

Pump Make GOULDS Model PE51 Serial No.

Nitrification Field: No Fields 1 Square Feet 810 Linear Feet 270

No Lines 4 Trench Width 36"* Max Trench Bottom Depth 30" Gravel Depth NA ☐ Gravity ☒ Pressure

☒ New System ☐ Repair ☐ Expansion System Type: I II III IV V VI

System Description: LP PPBPS

Repair System Description: LP PPBPS

Maintenance Agreement Required: ☒ Yes ☐ No

☒ House/Mod. Home No. Bedrooms 4

☐ Mobile Home No. Persons 8

☐ Business No. Employees

☐ Other

Water Supply: ☒ Individual ☐ Public ☐ Community

☐ Slab ☒ Crawl Space ☐ Basement w/plumbing ☐ Basement wo/plumbing

Comments:/Conditions: * Per plan specs
Septic system 100' from well required
32ft (4th line closest to house)

INITIAL SITE SKETCH

See Plan from Rollins
Soil & Environmental Services

E-MAILED

Comments:/Conditions: ST. - 7ft of House
10/9/15 Checked Tanks & lines
5/32" hole
CHECKED ELEC & ALARM, SET 2' FR 12-16-15 BA

AS BUILT SKETCH

Permit can be suspended or revoked if any false information is supplied toward securing the permit/any unauthorized changes are made to the site/any unauthorized changes are made in the installation of the system. Improvement Permit with plat valid without expiration ☐ Improvement Permit with site plan valid for sixty months ☒ Authorization to Construct is valid for a period equal to that of Improvement Permit – not to exceed sixty months.

Signed: date 1-4-08 Installed by: Sid Gaskins

Improvement Permit by: date 11-13-07 Operation Permit by: date 1-12-16

Authorization to Construct by: APPROVED JUN 05 2015 date Existing System Inspection by: date

HEALTH DEPT. COPY: WHITE OWNER COPY (FINAL): YELLOW OWNER COPY (INITIAL): PINK

ROLLANS *Soil & Environmental Services, Inc.*

470 North Broad St., Suite D, Mooresville, NC 28115 Phone: (704) 658-1723 Fax: (704) 658-1724

Ashley Rollans, NC Licensed Soil Scientist
Mobile: (704) 746-5046
E-mail: Rollansfortcj@aol.com

Brady Freeman, Registered Sanitarian
Mobile: (704) 746-6497
E-mail: bfree209@yahoo.com

Attached is a proposed design for a PPBPS Septic System with low pressure distribution for a 4 bedroom single family residence on Lot #60 in Autumn Grove Subdivision, Iredell County, North Carolina.

Contents: **Page**

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

Design Information
- Design Specifications---------- 2-3
- Layout Specifications---------- 4
- System Tapsheet---------- 5

Site Plan/System Plan---------- 6-7

Calculations---------- 8

Profile Descriptions---------- 9

November 5, 2007
Project #: 01-1043
Design By: Rollans Soil & Environmental Services

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.
- Design precludes foundation drains.
- Septic tank riser shall be a minimum of 6" above finished grade.
- System is specified as a PPBPS installation.
- Repair is specified as a PPBPS installation.
- Backfill 4 - 6" of material (County Approved) over panels, rake trench walls, lime side-walls, install trenches 36" wide and have no more than 1/4" fall in 10 feet.

LP PPBPS SYSTEM
FOR WASTEWATER TREATMENT

Owner/Applicant:	Orchard Farms LLC
Address:	227 Hideaway Lane Mooresville, NC 28117
Phone:	704-201-6465
County:	Iredell
Location:	AUTUMN GROVE LOT 60
Source of Wastewater Flow:	4 Bedroom Single Family Residence
Estimated Gallons Per Day Flow:	480
System Flow:	25.83

Design Specifications

Drainfield Size:	270
Loading Rate (gpd/ft.^{2}):	0.3
Depth of Gravel in Trench:	NA (PPBPS)
Gravel Size:	NA (PPBPS)
Trench Depth:	36 in.
Trench Width:	36 in.
Septic Tank Size:	1000
Pump Tank Size:	1000
Estimated Supply Line Length:	73
Supply Line Diameter:	2 in. SCH 40 PVC
Supply Line Volume:	12.70
Dosing Volume:	151.96
Supply Manifold:	N/A
Supply Manifold Length:	N/A
Supply Manifold Volume:	N/A
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:	2 ft.
Friction Head:	1.30
Elevation Head:	8.30
Total Dynamic Head:	13.34
Threaded Union:	In Tank
Gate Valves:	1 in Tank 1 per lateral
Check Valves:	In Tank
Anti-Siphon Hole:	NA
Additional Comments:	Soil suitability was performed by Rollans Soil & Environmental Services

AUTUMN GROVE LOT 60
LP PPBPS

DESIGN FLOW (gpd):	480
SOIL APPLICATION RATE (gpd/ft.^{2}):	0.3
TOTAL AREA TRENCH BOTTOM:	810
TOTAL LATERAL LENGTH:	270
NUMBER OF FIELDS:	1
LATERAL LENGTH REQUIRED PER FIELD:	266.6666667
SUPPLY LINE LENGTH:	73
TOTAL DYNAMIC HEAD:	13.34
MANIFOLD SIZE:	N/A
DOSING VOLUME:	151.96
PUMP TANK DRAW DOWN*:	7.2
SEPTIC TANK SIZE:	1000
PUMP TANK SIZE:	1000

**Pump tank draw down based on a volume basis of 21 gallons per inch. Draw down may vary among pump tank manufacturers.*

AUTUMN GROVE LOT 60

Project #: 01-1043

LAYOUT FOR 4 BEDROOM HOME

November 5, 2007

LINE #	FLAG COLOR	BS	HI	FS	ELEVATION	FLAGGED LINE LENGTH	DESIGN LINE LENGTH
TBM		3.0			100.00		
INSTR. 1			103.00				
HOUSE CNR				14.60	88.40		
P. TANK				12.50	90.50		
1	ORANGE			2.70	100.30	40	40
2	RED			3.00	100.00	142	142
3	PINK			3.50	99.50	179	179
4	***BLUE***			***3.80***	***99.20***	***92***	***90***
5	***DARK PINK***			***4.10***	***98.90***	***92***	***90***
6	***ORANGE***			***4.90***	***98.10***	***92***	***90***
7	BLUE			3.90	99.10	75	75
8	ORANGE			4.60	98.40	49	49
9	RED			5.50	97.50	27	27
					Total	**788**	**782**

	LINE LENGTH	LTAR GPD/FT2	SYSTEM TYPE	SOIL LTAR GPD/FT2	TRENCH SYSTEM	DISTRIBUTION
**** System***	***270***	***0.3***	***MOD.***	***0.300***	***PPBPS***	***LOW PRESSURE***
Repair	512	0.3	MOD.	0.300	PPBPS	LOW PRESSURE

Notes:

** TBM located top of ground at EIP at corner of lot (see site plan)

**TBM is assumed to be 100'

**All measures in feet

**Nitrification lines are demonstrated on contour via colored pin flags

**BS, HI, and FS indicate rod readings

LP PPBPS TAPSHEET -HIGHLAND RIDGE LOT#60

SYSTEM

Line #	Color	Elevation	Length	Hole Size	Flow/hole	Trench Area	Number of Panels
4	*BLUE*	99.2	*90*	0.156	**0.41**	270	21
5	*DARK PINK*	98.9	*90*	0.156	**0.41**	270	21
6	*ORANGE*	98.1	*90*	0.156	**0.41**	270	21
							63
	total	**feet =**	**270**	**gal/min =**	**25.83**		
			Des. Flow	**480**			
			Pump Run=	**5.88**			
			soil LTAR	**0.25**			
			LTAR +5%	**0.2625**			
			LTAR with mod.	**0.5**			
			LTAR with mod.. + 5%	**0.525**			

.156 equals 5/32 inch hole

CALCULATIONS

Location Autumn Grove

Project Number 01-1043

Lot No: Lot 60

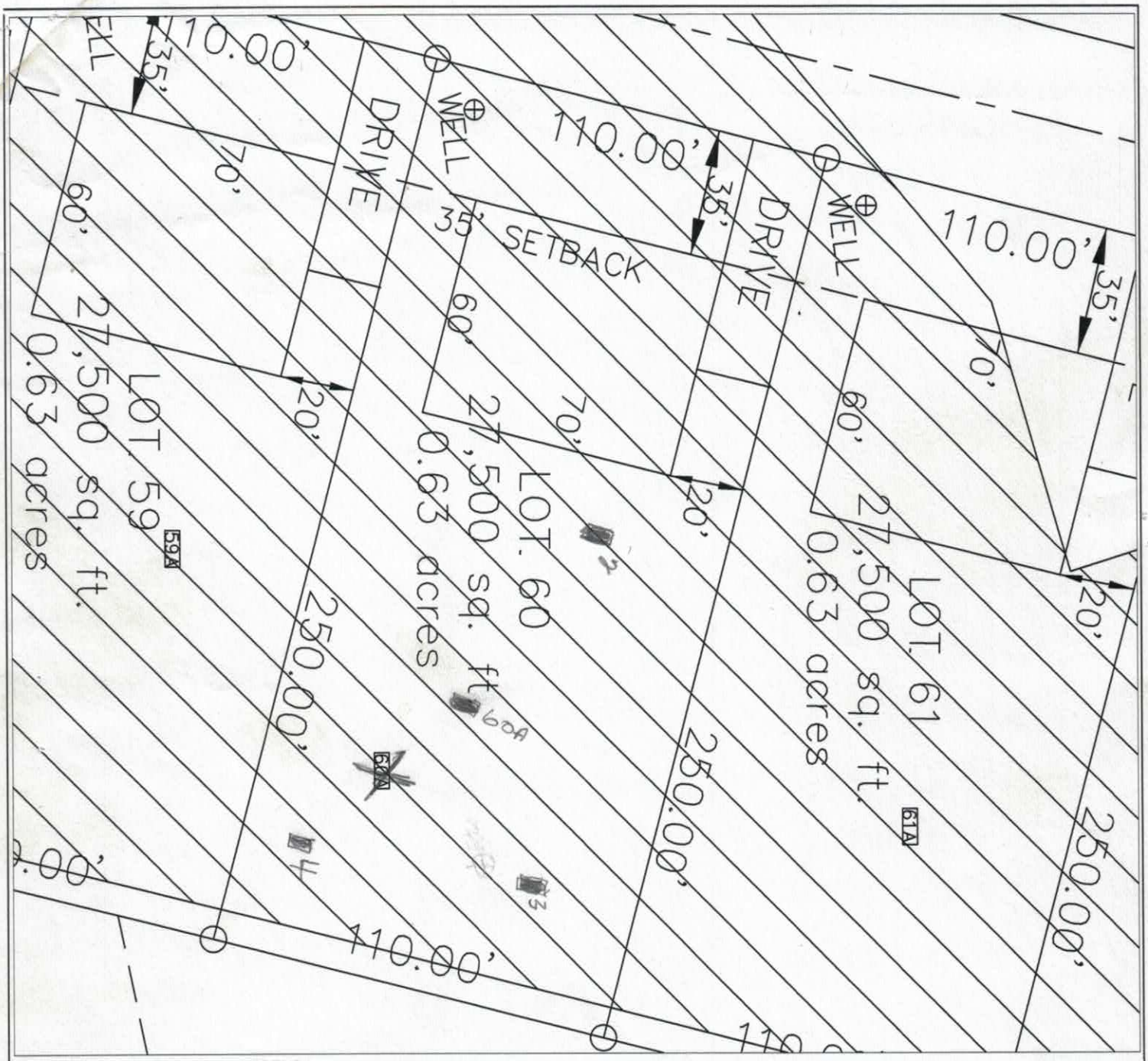
No. of Bedrooms	4	
Design Flow	480	$^{gal}/_{day}$
LTAR	0.300	$^{gal}/_{ft^2\,day}$
PPBPS? (YES OR NO)	YES	
Supply Line Length	73	ft.
Supply Line Volume	12.702	gal.
Required Feet of Line	266.6667	ft.
Amount of Line from Layout	270	ft.
Gallons per Minute	25.83	$^{gal}/_{min}$
Required Septic Tank Capacity	1000	gal.
Minimum Standard Tank Size	1000	
Panel Volume	3.6	gal.
# of Panels	63	
Dosing Volume	151.96	gal.

Note: Dosing Volume based on 67% of # of panels times 3.6 gal/panel

Tank Draw Down	7.2	*Generic Draw Down of 21 gal.per in.*
Pump Run Time	5.88	minutes
Elevation Head	8.3	ft.
Pressure Head	2	ft.
Friction Factor	1.78	ft./100 ft. *(From the interpolater.)*
Friction Head	1.30	ft.
Total Dynamic Head (+15%)	13.34	ft.

FRICTION FACTOR INTERPOLATER
2" SCH 40 PVC

GPM	*f*
20	0.84
	-0.88
25	1.27
	-1.28
30	1.78
	-1.76
35	2.37
	-2.25
40	3.03
43.07	3.48
45	3.77
48.14	4.28
50	4.58
57.11	5.89
60	6.42



LEGEND

House Box.

System lines.

Repair lines.

GRAPHIC SCALE
1" = 40'

40 0 40 80

FOR PRELIMINARY PLANNING PURPOSES ONLY. ALL LOTS WILL REQUIRE FINAL APPROVAL BY THE COUNTY HEALTH DEPARTMENT ON A LOT BY LOT BASIS. THIS MAP SHOULD BY USED AS A GENERAL GUIDE, SOME ADJUSTMENTS WILL BE NECESSARY IN THE FIELD DUE TO SOIL VARIABILITY AND COMPLEX TOPOGRAPHIC FEATURES.
THIS MAP ONLY REFLECTS EXISTING SOIL SUITABILITY FOR ON-SITE SEPTIC TANK SYSTEMS.

PLEASE REFER TO ATTACHED SOIL REPORT FOR ADDITIONAL SITE SPECIFIC INFORMATION

MAP TITLE: SITE PLAN & DRAINFIELD AREAS

PROJECT NAME: E&J DEVELOPMENT/AUTUMN GROVE SUBDIVISION

LOCATION/DATE: HWY 21/115 IREDELL COUNTY, NORTH CAROLINA AUGUST 2007

JOB # : 01-1043
FILE: C:\JOBS\01-1043
PROJECT MGR.: C.B.F.
FIELD WORK: C.B.F., A.L.P. & M.D.B.
DRAWN BY: C.B.F. & M.D.B.

SOIL/SITE EVALUATION

(Continuation Sheet)

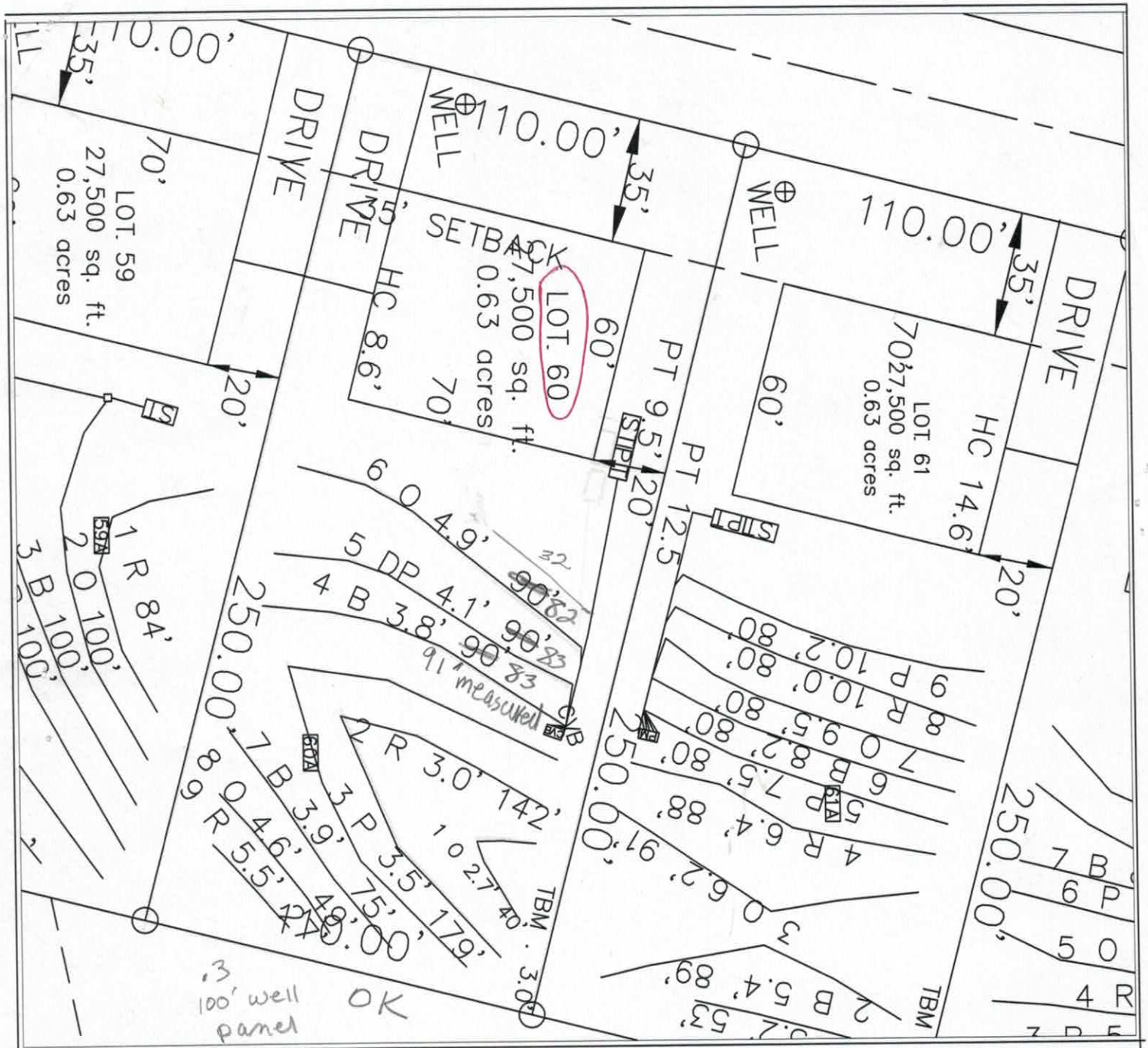
Sheet ___ of ___

DEPARTMENT OF ENVIRONMENT
AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH

PROPERTY ID #: _____
DATE OF EVALUATION: _____
COUNTY: _____

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	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
P	SS	0-7	B scl Gr	ss, sp, fr sExp	—	48"	P5	—	P5
		7-22	R c mFSBk	ss, sp, fr sExp					
60A	0-5%	22-48	R cl wFSBk	ss, sp, fr sExp	common sap				
		48-66	Ver, sl sap Rcs	ss, sp, fr sExp	common R cl				.3
	10%								
2		0-7	wk gr scl	fr ss sp	Lt. Br.				
		7-21	m sbk C	fr ss sp	Red				.3
		21-39	wk sbk C	fr ss sp	C-sap Red				
		39-48	wk sbk cl	fr ss sp	m-sap				
		48-52	sl sap						
3		0-7	gr HBr. sl	fr ns np					
		7-20	sbk RC	fr ss sp					
		20-35	wk sbk Rcl	fi/fr ss sp	c-sap				.3
		35-55	sl sap m	fr ss sp	f-clay	inc.			
4		0-10	gr HBr. sl	fr ns np					
		10-22	sbk RC	fr ss sp					
		22-38	wk sbk Rcl	fi/fr ss sp	c-sap				.3
		38-55	sl sap m	fr ss sp	f-clay	inc.			

COMMENTS: _____



LEGEND

11-8-07

House Box.

System lines.

Repair lines.

GRAPHIC SCALE

1" = 40'

40 0 40 80

FOR PRELIMINARY PLANNING PURPOSES ONLY. ALL LOTS WILL REQUIRE FINAL APPROVAL BY THE COUNTY HEALTH DEPARTMENT ON A LOT BY LOT BASIS. THIS MAP SHOULD BY USED AS A GENERAL GUIDE, SOME ADJUSTMENTS WILL BE NECESSARY IN THE FIELD DUE TO SOIL VARIABILITY AND COMPLEX TOPOGRAPHIC FEATURES. THIS MAP ONLY REFLECTS EXISTING SOIL SUITABILITY FOR ON-SITE SEPTIC TANK SYSTEMS.

PLEASE REFER TO ATTACHED SOIL REPORT FOR ADDITIONAL SITE SPECIFIC INFORMATION

ROLLANS SOIL & ENVIRONMENTAL SERVICES

470 NORTH BROAD STREET SUITE D
MOORESVILLE, NC 28115
PHONE: (704) 658-1723
FAX: (704) 658-1724

BRADY FREEMAN, BS.
MOBILE: (704) 746 - 6497
EMAIL: BFREE2590@YAHOO.COM

ASHLEY ROLLANS, NC LICENSED SOIL SCIENTIST
MOBILE: (704) 746 - 3046
EMAIL: ROLLANS4@WINDSTREAM.NET

MAP TITLE: SITE PLAN & DRAINFIELD AREAS

PROJECT NAME: E&J DEVELOPMENT/AUTUMN GROVE SUBDIVISION

LOCATION/DATE: HWY 21/115 IREDELL COUNTY, NORTH CAROLINA AUGUST 2007

JOB # : 01-1043
FILE: C:\JOBS\01-1043
PROJECT MGR.: C.B.F.
FIELD WORK: C.B.F., A.L.P. & M.D.B.
DRAWN BY: C.B.F. & M.D.B.

RECEIVED JUN 4 _ 2015

IREDELL COUNTY HEALTH DEPARTMENT

ENVIRONMENTAL HEALTH DIVISION

PAGE 1: *APPLICATION FORM*

#211043

Application For:

( ) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
( ) Septic Improvement Permit (✓) Authorization to Construct ( ) Existing System Inspection ( ) Septic System Repair

THE ABOVE PERMIT DOCUMENTS WILL BECOME INVALID IF INFORMATION PROVIDED ON THIS APPLICATION IS FALSIFIED OR CHANGED, OR IF THE SITE IS ALTERED. THE IMPROVEMENT PERMIT IS VALID FOR EITHER 60 MONTHS OR WITHOUT EXPIRATION DEPENDING UPON DOCUMENTATION SUBMITTED APPLICATION WITH SITE PLAN 60 MONTHS, APPLICATION WITH COMPLETE, SCALED PLAT WITHOUT EXPIRATION. SEE 15A NCAC 18A .1937(f) FOR DETAILS.

Page 2: *Site Plan Worksheet* form MUST accompany this application

The following optional attachments may also be submitted: (✓) Survey Plat, scaled no more than 1 inch = 60 feet
Place an (X) beside whichever is submitted if applicable (✓) Custom Site Plan, scaled no more than 1 inch = 60 feet

Applicant Information:

Applicant Name: ESSEX HOMES **Address:** 13000 S. TRYON ST, F-205 **Office Phone:** 7044238988

Owner Name: ESSEX HOMES **Address:** CHARLOTTE, NC 28278 **Cell Phone:** 7046226152

Property Information:

Street Address: 151 AUTUMN GROVE LN, MOORESVILLE, NC 28115

Subdivision Name: AUTUMN GROVE **Section/Phase:** 2 **Lot Number:** 60

Driving Directions: CHARLOTTE HIGHWAY WEST, LEFT CLEAR SPRINGS LN, LEFT AUTUMN GROVE LN, PROPERTY ON LEFT NEAR END OF ROAD.

Site Development Information: *(check or complete ALL that apply)*

(✓) New Single Family Residence
( ) New Multi-Family Residence
( ) Accessory Building
( ) Bedroom(s) Addition

Maximum Number of Bedrooms: 4
Maximum Number of Occupants: 8
( ) Swimming Pool
( ) Other Addition/Structure:

(✓) Crawl Space Foundation
( ) Concrete Slab Foundation
( ) Basement with Plumbing
( ) Basement without Plumbing

Non-Residential Site Development:

Type of Business:
Square Footage of Building:
Maximum Number of Employee:
Maximum Number of Seats/Beds/Other:

Water Supply:

(✓) New Well ( ) Existing Well ( ) Community Well ( ) City Water ( ) Other Public Water

Desired Septic System Type: *(you may rank in order of preference)* **Year existing system installed:**

( ) No Preference ( ) Alternative ( ) Conventional (✓) Innovative ( ) Modified Conventional ( ) Other:

Please answer the following to the best of your ability:

( ) Yes (✓) No Does the site contain any jurisdictional wetlands?
( ) Yes (✓) No Is any non-domestic sewage (i.e. industrial) to be generated?
( ) Yes (✓) No Is the site subject to approval by any other public agency?

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.

Signature: _____ 6-4-15
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

IREDELL COUNTY HEALTH DEPARTMENT

Application For Improvement Permit and/or Authorization To Construct, Existing System Inspection

(THE ABOVE PERMIT DOCUMENTS WILL BECOME INVALID IF INFORMATION PROVIDED ON THIS APPLICATION IS FALSIFIED OR CHANGED, OR IF THE SITE IS ALTERED. THE IMPROVEMENT PERMIT IS VALID FOR EITHER 60 MONTHS OR WITHOUT EXPIRATION DEPENDING UPON DOCUMENTATION SUBMITTED - APPLICATION WITH SITE PLAN 60 MONTHS, APPLICATION WITH COMPLETE, SCALED PLAT WITHOUT EXPIRATION. SEE 15A NCAC 18A .1937(f) FOR DETAILS)

1. APPLICATION FOR: ✓ Improvement Permit ___Authorization To Construct ___BOTH ___Existing System Inspection

2. Page 2: *Site Plan Worksheet* Form MUST Accompany This Application
   The following optional attachments may also be submitted: ___ Survey Plat, Scaled no more than 1 Inch = 60 Feet
   Place check ( ) beside whichever is submitted if applicable ___ Custom Site Plan, Scaled no more than 1 Inch = 60 Feet

3. **Applicant Information:**

Applicant Name	Mailing Address	Home Phone	Work Phone
EJS Development CO.	P.O. Box 1065. Huntersville NC 28070	(704) 201-6465	(704) 201-6465
Same			
Owner Name	Mailing Address	Home Phone	Work Phone

4. **Property Information:**

Street Address	Subdivision Name	Section/Phase and Lot Number
	Autumn Grove	Lot 60

Driving Directions: Highway 21, north. Turn left before Westmoreland Road.

****

5. **RESIDENTIAL Site Development Information:** *(Check or Complete ALL that apply)*

( ) New, Single Family Residence
( ) New, Multi-Family Residence
( ) Expansion of Existing Septic System
( ) Repair To Failing Septic System

Maximum Number of Bedrooms 4
Maximum Number of Occupants 8
If Expansion, Current Number of Bedrooms ___

(✓) Crawl Space Foundation?
( ) Concrete Slab Foundation?
( ) Basement w/Plumbing?
( ) Basement w/out Plumbing?

IF Non- Residential Site Development:
Type of Business _____
Square Footage of Building _____
Maximum Number of Employees _____
Maximum Number of Seats _____

****

6. **Proposed Water Supply:**

(✓) New Well ( ) Existing Well ( ) Community Well ( ) City Water ( ) Other Public Water

****

7. **Desired Septic System Type:** *(You may rank in order of preference, if any)*

( ) Alternative ( ) Conventional ( ) Innovative ( ) Modified Conventional ( ) Other_____ (✓) No Preference

****

8. **Please Answer The Following To The Best of Your Ability:**

( ) Yes (✓) No Does the site contain any jurisdictional wetlands?
( ) Yes (✓) No Is any non-domestic sewage (i.e. industry) to be generated?
( ) Yes (✓) No Is the site subject to approval by any other public agency?

****

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.

9. Signature: C. [signature] 10/3/07
   Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

IREDELL COUNTY HEALTH DEPARTMENT

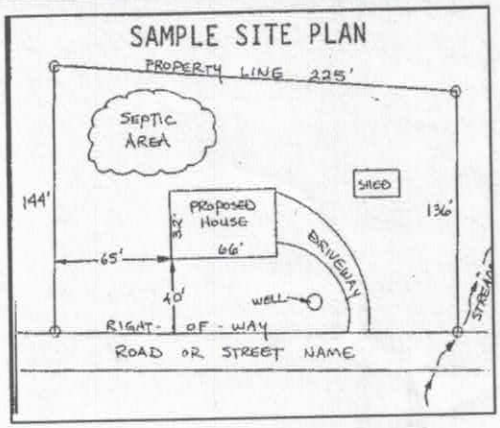
ENVIRONMENTAL HEALTH DIVISION

PAGE 2: *SITE PLAN WORKSHEET*

SEE THE "SAMPLE SITE PLAN" BELOW. *INCOMPLETE SITE PLANS WILL BE RETURNED TO YOU FOR COMPLETION AND MAY RESULT IN A DELAY IN THE ISSUANCE OF YOUR SEPTIC SYSTEM PERMIT!!!*

Place an (X) beside each item as you complete the site plan:

- (✓) Property Line measurements are clearly identified
- (✓) All proposed structures are indicated
- (✓) Front and side setbacks from property line
- (✓) Preferred driveway location and well location
- (✓) Area you prefer your septic system to be placed
- (✓) North arrow, or other sufficient indicator of direction



Circle N/A on the following if appropriate:

Location of septic systems and wells within 100' of your property	N/A
Location of easements and rights of ways on your property	N/A
Location of any designated wetlands on the property	N/A

USE THIS SPACE TO DRAW YOUR SITE PLAN

Show: proposed house or business footprint, wells, water lines, patios, pools and decks, and any other item that will occupy space on the site

☐ See attached plot plan and improvement permit.

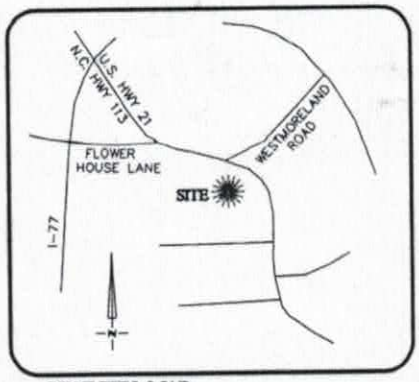
Signature: _____

Property owner or owner's legal representative signature (SIGNATURE REQUIRED)

6-4-15

DATE

LOT FIT ONLY



VICINITY MAP
Not To Scale



NOW OR FORMERLY
HERMAN J BRINKLEY
420/204

NOW OR FORMERLY
DANIEL H BRINKLEY
731/503



AUTUMN GROVE LANE

50' PUBLIC R/W

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.

THIS PROPERTY MAY BE SUBJECT TO ANY AND ALL APPLICABLE DEED RESTRICTIONS, EASEMENTS, RIGHT-OF-WAY, UTILITIES AND RESTRICTIVE COVENANTS WHICH MAY BE OF RECORD OR IMPLIED

THIS DRAWING DOES NOT REFLECT AS-BUILT INFORMATION

PRELIMINARY PLAT
NOT FOR RECORDATION, CONVEYANCES, OR SALES.

50 0 50
SCALE: 1" = 50'

HOUSE LOCATION PLOT PLAN

FOR

LOT 60, AUTUMN GROVE SUBDIVISION, PHASE 2
Barringer Township, Iredell County, North Carolina

PROPERTY OF: ESSEX HOMES

MAP BOOK 53 PAGE 53 DEED REFERENCE

DRAWN BY: ERG | DATE: MAY 5, 2015

EASTOVER
LAND SURVEYING COMPANY, P.A.
LAND SURVEYORS - PLANNERS (C-1833)
10430 PARK ROAD, SUITE #300
CHARLOTTE, NORTH CAROLINA 28210
PHONE (704) 927-8080
FAX (704) 889-0105

62205
JEFF B;
JUMP START ASAP
JT

All load bearing wall studs to be spaced 16" O.C. Load bearing walls are all exterior walls and interior walls shown hatched.

Use 2x6 flat headers on all non load bearing headers. Use ladder ties and energy corners per detail.

Todos comentarios de la pared del cojinete de la carga para ser espaciados 16" O.C. La carga que soporta paredes es todas paredes y el interior exteriores tapia mostrado salido del huerto.

Utilice 2x4 encabezamientos planos en todo no carga que soporta encabezamientos.

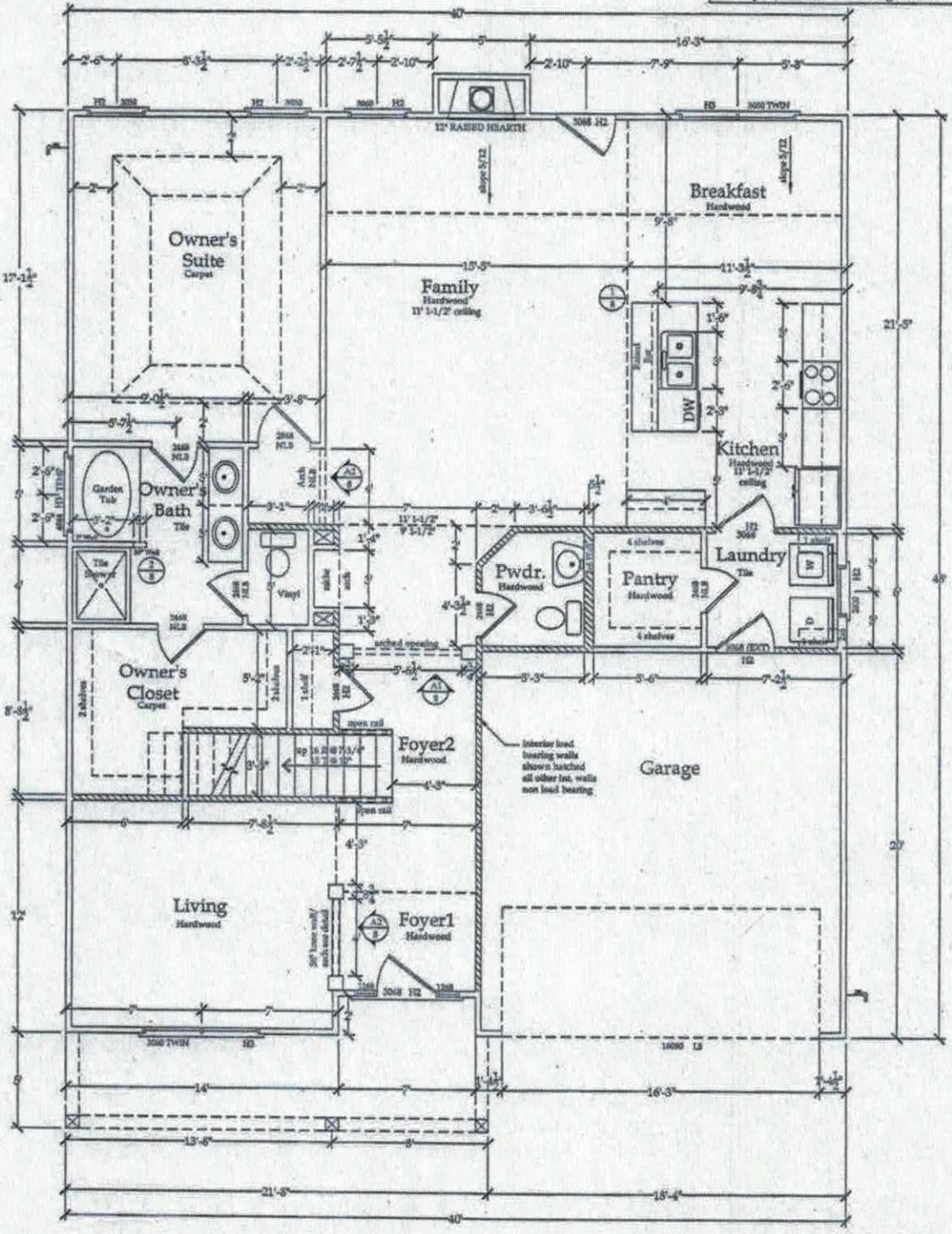
Las tie de la escalera del uno y la energía acaparan por detalle.

Acknowledgement of Plans Submittal ONLY!

Date 6-4-15

APPROVED Date JUN 05 2015

Header/ Jack Schedule
NLB= Non-Load Bearing; See 27-FM In Detail Book
H1 = 2 ply 2x6's SYP w/ ½" OSB
H2 = 2 ply 2x8's SYP w/ ½" OSB
H3 = 2 ply 2x10's SYP w/ ½" OSB
H4 = 2 ply 2x12's SYP w/ ½" OSB
L1 = 2 ply 1-3/4" x 9-1/4" LVL
L2 = 2 ply 1-3/4" x 11-7/8" LVL
L3 = 2 ply 1-3/4" x 14" LVL
L4 = 2 ply 1-3/4" x 16" LVL
L5 = 2 ply 1-3/4" x 18" LVL
No Splice's In Headers
-Single Jack Stud up to 4' 11", Double Jack Studs 5'-10' 6", Triple Jack Studs @ Garage Door.

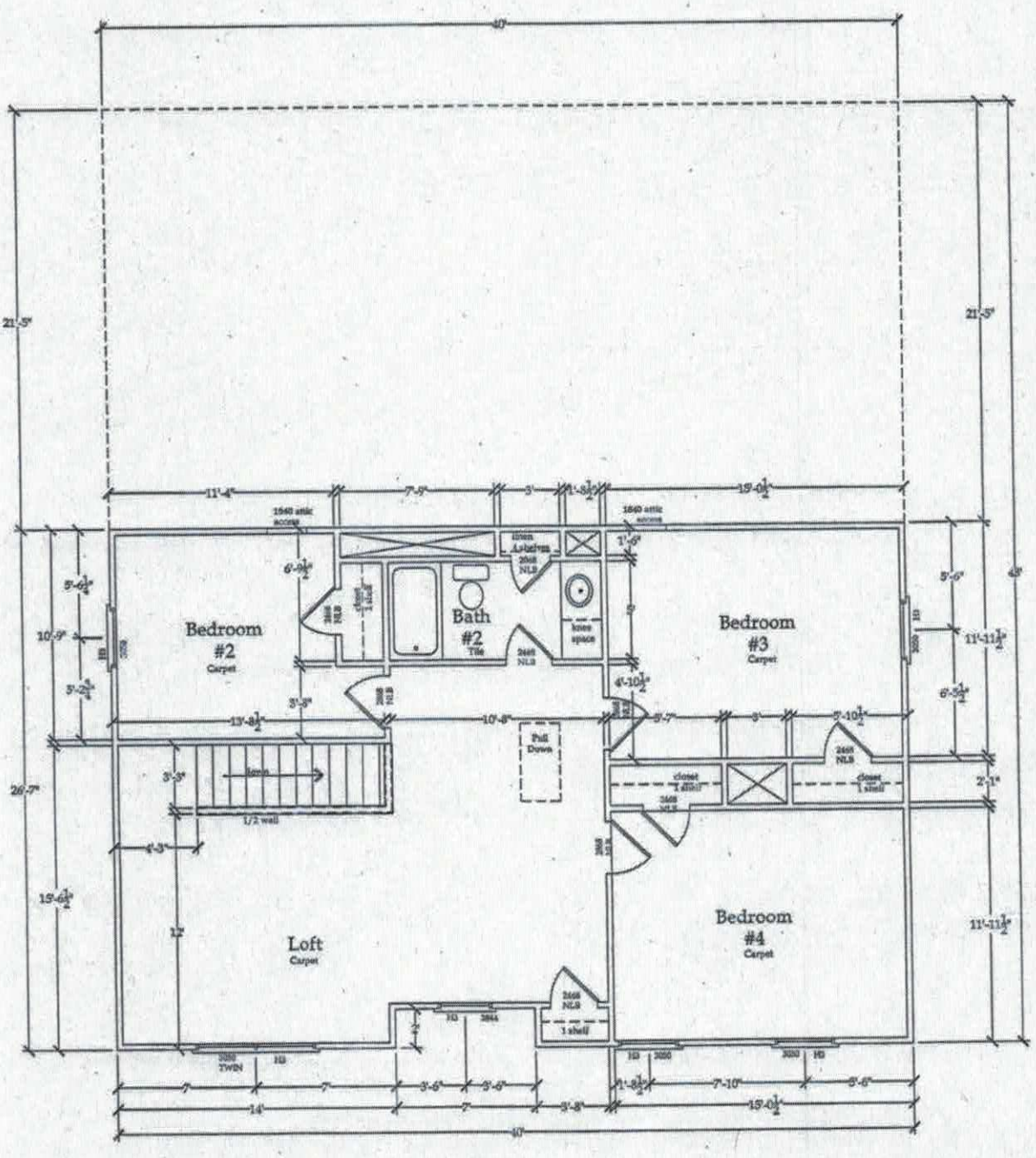


Essex Homes, Inc.	Essex Homes SE, Inc. 1-803-356-8301 COLUMBIA, SOUTH CAROLINA PROPERTY OF ESSEX HOMES, INC. NOT TO BE REPRODUCED. COPYRIGHT VIOLATORS WILL BE PROSECUTED TO THE FULLEST EXTENT OF	The Jefferson Lot 60 Autumn Grove 1st Floorplan	REVISIONS	SCALE: 3/16" = 1'	DRAWN BY AME	6-2-15	Page3

Acknowledgement of
Plans Submittal ONLY!

Date 6-4-15

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Essex Homes, Inc.	Essex Homes SE, Inc. 1-803-356-8301 COLUMBIA, SOUTH CAROLINA PROPERTY OF ESSEX HOMES, INC. NOT TO BE REPRODUCED. COPYRIGHT VIOLATORS WILL	The Jefferson Lot 60 Autumn Grove 2nd Floorplan	REVISIONS	SCALE: 3/16" = 1'	DRAWN BY AME	6-2-15

Iredell County
ZONING PERMIT

227 South Center St. PO Box 788 Statesville, NC 28687 Phone 704-878-3118

Call Sanitarian between 8 a.m. & 9 a.m. Statesville 704-878-5305 Mooresville 704-664-5281

Permit #: 145527ZO
Proposed Use: Single Family
Location of Property: 000 AUTUMN GROVE LANE STATESVILLE NC 28677
Parcel #: 4659157617.060
Lot #: 60 Size: 0.63
Applicant: E&J DEVELOPMENT CO.
Address: P.O. BOX 1065
HUNTERSVILLE NC 28070
Phone: 704-201-6465
Property Recorded: Yes Site Plan Reviewed:

Subdivision: AUTUMN GROVE
Township: 1600 Barringer
Zoning: RA
Flood Plain: No Watershed: WSIV-PA
Owner: E&J DEVELOPMENT CO.
Address: P.O. BOX 1065
HUNTERSVILLE, NC 28070
Phone: 704-201-6465
Community Water: No Community Sewer:

If permitted the following minimum requirements must be met, unless Health Department requires more land area, or other qualifications are indicated in the comments.

Min. Lot Area:
Min. Lot Width:
Min. Number Parking Spaces:
Min. Front Yard: 35 ft
Min: Rear Yard: 35 ft
Min. Left Side Yard: 15 ft
Min: Right Side Yard: 15 ft
Max. Built Upon Area:

Comments:
HOLD BLDG. PERMIT UNTIL PLAT IS RECORDED

Directions:
CHARLOTTE HWY, RT ON CLEAR SPRINGS

FEES

Zoning Permit/Inspection Fee	☑	$45.00
Site Plan Review Fee	☐	$0.00
Environmental Health New System	☑	$275.00
Environmental Health Existing System	☐	$0.00
Total Fees:		$320.00

I certify that all statements made in this application and any attached documents are true, complete, and correct to the best of my knowledge and belief and are made in good faith. I understand that false information may be grounds for rejection of this application. Authorized Health Department and Planning & Enforcement Representatives are granted right of entry to make evaluations or inspections and to release information upon public request.

Applicant:_____ Date: _____

A non-refundable fee of $45.00 is charged on all permit applications.

PAULA WOODY

Printed: 9/20/2007

DEVELOPER PERMIT