IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625

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

PERMIT # 208040

PIN # 4659660665

APPLICANT: [redacted] ROLLANS SOIL/Pete Denicola

APPLICANT ADDRESS: PO BOX 832 MOORESVILLE NC 28115

SITE ADDRESS: 110 SHEEP PATH DR MOORESVILLE NC 28115

PHONE:

ALT. PHONE: 704 235 8489

SITE DIRECTIONS: 115 N - TR SHEPHERD - TL SHEPHERDS BLUFF - TL BLUFF MEADOW - TL SHEEP PATH ON L

SUBDIVISION: SHEPHERDS BLUFF

SECTION: 5 LOT # 41 LOT AREA: .46 AC DESIGN FLOW: 360 L.T.A.R.: .3

Septic Tank	1000 (gal)	STB	786	Date	9-04-16	☑ New System	☐ Repair	☐ Expansion	System Type: I II III IV V VI
Pump Tank	1000 (gal)	PT	32	Date	5-21-16	System Description:	PUMP 25% REDUCTION		
Pump Make	Goulds	Model	WE05511H	Serial #		Repair System Description:	LP PBPS		
# Nitrification Fields	1	# Lines	4	Linear Ft:	320	Maintenance Agreement Required:	☐ YES	☑ NO	
Trench Width	36"	Max. Trench Bottom Depth	(30")	Gravel Depth	NA		☐ GRAVITY	☑ PRESSURE	

☑ Residence	No. Bedrooms	3	Water Supply
☐ Business	No. Persons	6	☑ Private
☐ Other	No. Employees		☐ Public
☐ Slab	☑ Crawl Space		☐ Community
☐ Basement w/plumbing			☐ Basement w/o plumbing

Comments / Conditions:

3/8/17 Checked tanks, drainlines & supply line.

INITIAL SITE SKETCH

See Rollans Soil & Environmental's Design

Supply line 3/8/17 MD

	Date	Initials
Drain Lines Checked	3/8/17	MD
Tanks Checked	3/8/17	MD
Pressure Manifold or Valve Box Checked	4-21-17	BA
Pressure Head Set	4-21-17	BA
Electrical Checked	4-24-17	BA
Floats Set	↓	BA
Alarm Checked		BA
Maintenance Contract Y / N	not required	
Comments:		

REPLACE RISER → REPLACED

WATER TECHNOLOGY

WE0511H
SUBMERSIBLE PUMP
1/2HP 1/60/115 3.56" 14.5MA

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. **CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION**

☐ **IMPROVEMENT PERMIT** *with plat valid without expiration.* ☑ **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* ☐ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: [redacted] Date: 9/28/16

IMPROVEMENT PERMIT by: [redacted] Date: 9/27/16

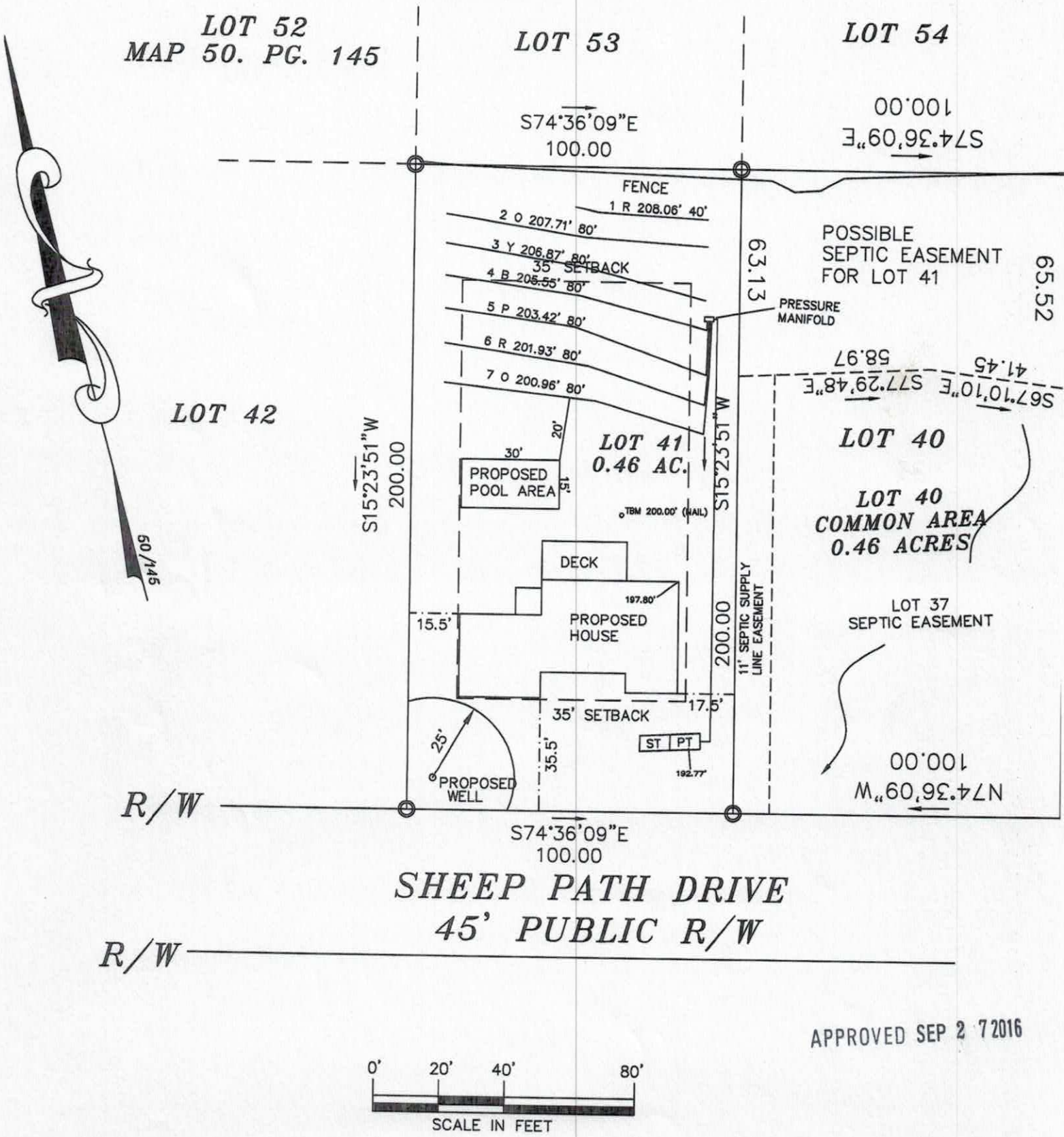
AUTHORIZATION TO CONSTRUCT by: [redacted] Date: 9/28/16

Installed by: Adam BA

OPERATION PERMIT by: BA Date: 4-24-17

Existing System Inspected by: Date:

Health Dept. Copy - WHITE Applicant (Final Approval) - YELLOW Applicant (Conditional Approval) - PINK



APPROVED SEP 2 7 2016

ROLLANS ***Soil & Environmental Services, PA.***
P.O. Box 832, Mooresville, NC 28115 Phone: (704) 746-5046 Fax: (704) 278-0989

Ashley Rollans, NC Licensed Soil Scientist
Mobile: (704) 746-5046
Email: rollans.ashley@yahoo.com

NC Certified Septic Installer
NC Certified Subsurface Operator
NC Certified Septic Inspector

APPROVED SEP 2 7 2016

Attached is a proposed Intermediate Relayout for an Accepted (25% reduction) Septic System with Pressure Manifold distribution for a 3 bedroom single family residence on Shepherds Bluff Lot # 41 (PIN# 4659660665), 110 Sheep Path Drive, Iredell County, NC.

Contents:

	Page
Information for the Installer	1
Design Information	
Design Specifications	2-3
Layout Specifications	4
System Tapsheet	5
Pressure Manifold Diagram	6
Site Plan/System Plan	7
Calculations	8
Expedited Review Checklist	9
Existing Improvements Permit	10
Application	11-12
Agent Authorization Form	13
Green Sheet	14

LICENSED SOIL SCIENTIST Samuel A. Rollans 1231 STATE OF NORTH CAROLINA

9/15/16

September 15, 2016
Project No. 01-3232
Design By: Rollans Soil and Environmental Services, PA

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 DENR, 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.
- 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 an innovative 25% reduction installation w/Pressure Manifold.
- Repair is specified as a Mod. Conv. (PPBPS) installation w/Low Pressure Distribution.
- Rake trench walls, lime sidewalls, install trenches 36" wide and have no more than 1/4" fall in 10 feet.

APPROVED SEP 2 7 2016

PRESSURE MANIFOLD SYSTEM
FOR WASTEWATER TREATMENT

Owner: Rollans Soil

Address: P.O. Box 832
Mooresville, NC 28115

Phone: 704.746.5046

County: Iredell

Location: Shepherds Bluff Lot # 41
110 Sheep Path Drive

Source of Wastewater Flow: 3 Bedroom Single Family Residence

Estimated Daily Wastewater Production: 360 gpd

System Flow: 21.92

Design Specifications

APPROVED SEP 2 7 2016

Drainfield Size: 320

Loading Rate: 0.3

Depth of Gravel in Trench: NA (25% reduction)

Gravel Size: NA (25% reduction)

Trench Depth: 21 in. Repair: 30 in.

Trench Width: 36 in.

Septic Tank Size: 1000

Pump Tank Size: 1000

Estimated Supply Line Length: 135

Supply Line Diameter: 2 in. SCH 40 PVC

Supply Line Volume: 23.49

Dosing Volume: 146.27

Supply Manifold: 4 in. SCH 80 PVC

Supply Manifold Length: 4 ft. (minimum)

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: 1.71

Elevation Head: 18.23

Total Dynamic Head: 25.24

Threaded Union: In Tank

Gate Valves: 1 in Tank
1 at Pressure Manifold

Check Valves: In Tank

Anti-Siphon Hole: NA

Additional Comments: Soil suitability was performed by Iredell County Health Dept. (Primary 42" Soil Depth; Repair 48")

Shepherds Bluff Lot # 41
PRESSURE MANIFOLD DESIGN

DESIGN FLOW:	360
SOIL APPLICATION RATE:	0.3
TOTAL AREA TRENCH BOTTOM:	960
TOTAL LATERAL LENGTH:	320
NUMBER OF FIELDS:	1
LATERAL LENGTH REQUIRED PER FIELD:	300
SUPPLY LINE LENGTH:	135
TOTAL DYNAMIC HEAD:	25.24
MANIFOLD SIZE:	4 in.SCH 80 PVC
DOSING VOLUME:	146.27
PUMP TANK DRAW DOWN*:	7.0
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.*

APPROVED SEP 2 7 2016

110 SHEEP PATH DRIVE (SHEPHERDS BLUFF LOT # 41)

Project #: 01-3232

LAYOUT FOR 3 BEDROOM HOME

September 15, 2016

LINE #	FLAG COLOR	BS	HI	FS	ELEVATION	FLAGGED LINE LENGTH	DESIGN LINE LENGTH
TBM					200.00		
INSTR. 1							
HOUSE CNR					197.80		
P. TANK					192.77		
1	RED				208.06	40	40
2	ORANGE				207.71	80	80
3	YELLOW				206.87	80	80
4	***BLUE***				***205.55***	***80***	***80***
5	***PINK***				***203.42***	***80***	***80***
6	***RED***				***201.93***	***80***	***80***
7	***ORANGE***				***200.96***	***80***	***80***
					Total	**520**	**520**

	LINE LENGTH	LTAR GPD/FT²	SYSTEM TYPE	SOIL LTAR GPD/FT²	TRENCH SYSTEM	DISTRIBUTION
**** System***	***320***	***0.300***	***ACCEPT.***	***0.300***	***25% RED.***	**PRESSURE MANIFOLD**
Repair	200	0.300	*MOD.*	0.300	PPBPS	LOW PRESSURE

Notes:

** TBM established as a nail set by Surveyor (SEE SITE PLAN)
**TBM is assumed to be 200'
**All measures in feet
**Nitrification lines are demonstrated on contour via colored pin flags
**Septic lines located by Licensed Surveyor
**Elevations set by Licensed Surveyor

APPROVED SEP 2 7 2016

PRESSURE MANIFOLD TAPSHEET - SHEPHERDS BLUFF LOT# 41

SYSTEM

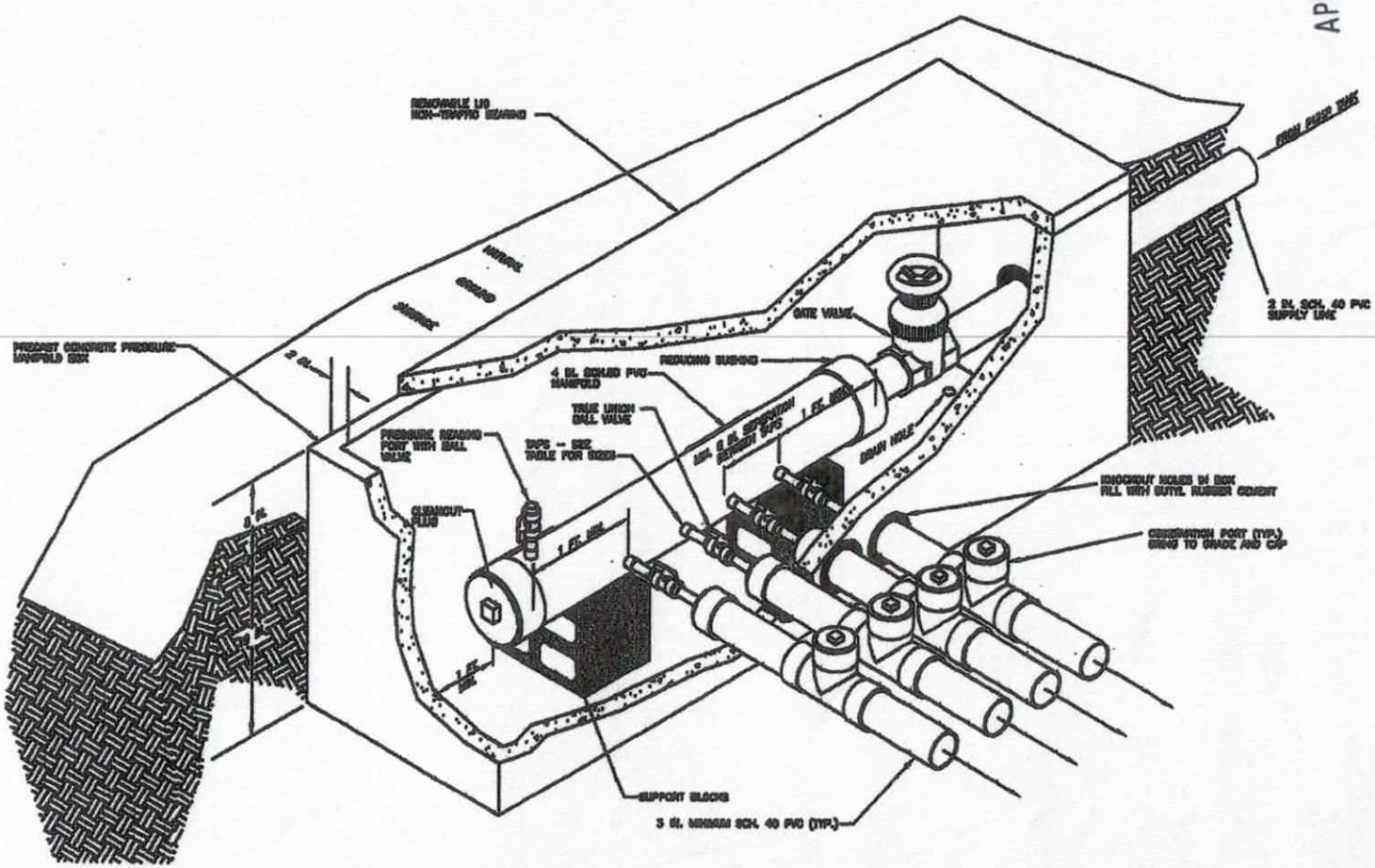
Line #	Color	Elevation	Length	Hole Size	Flow/Tap	Trench Area	Line LTAR
4	BLUE	205.55	80	SCH 80 1/2	**5.48**	240	0.15
5	PINK	203.42	80	SCH 80 1/2	**5.48**	240	0.15
6	RED	201.93	80	SCH 80 1/2	**5.48**	240	0.15
7	ORANGE	200.96	80	SCH 80 1/2	**5.48**	240	0.15

total	**feet =**	**320**	**gal/min =**	**21.92**
		Des. Flow	**360**	
		Pump Run=	**6.67**	
		soil LTAR	**0.3**	
		LTAR +5%	**0.315**	
		LTAR with ACCEPTED	**0.4**	
		LTAR with ACCEPTED + 5%	**0.42**	

APPROVED SEP 2 7 2016

APPROVED SEP 2 7 2016

TYPICAL PRESSURE MANIFOLD DETAIL



CALCULATIONS

Location	110 Sheep Path Drive	
Project Number	01-3232	
Lot No:	41	
No. of Bedrooms	3	
Design Flow	360	$^{gal}/_{day}$
LTAR	0.300	$^{gpd/ft^2}$
25% RED.? (YES OR NO)	YES	
Supply Line Length	135	ft.
Supply Line Volume	23.49	gal.
Required Feet of Line	300	ft.
Amount of Line from Layout	320	ft.
Gallons per Minute	21.92	$^{gal}/_{min}$
Required Septic Tank Capacity	1000	gal.
Minimum Standard Tank Size	1000	
Lateral Line Volume	208.96	gal.
Dosing Volume	146.27	gal.

Note: Dosing Volume based on 70% of lateral line volume

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

Tank Draw Down	7.0	*Generic Draw Down of 21 gal.per in.*
Pump Run Time	6.67	minutes
Elevation Head	18.23	ft.
Pressure Head	2	ft.
Friction Factor	1.27	ft./100 ft. *(From the interpolater.)*
Friction Head	1.71	ft.
Total Dynamic Head (+15%)	25.24	ft.

APPROVED SEP 2 7 2016

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet ___ of ___
PROPERTY ID #: 46596606
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Blair Bld
ADDRESS: _____ APPLICATION DATE _____
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ DATE EVALUATED: 3/6/15
LOCATION OF SITE: Shepherd's Bluff Lot #41 PROPERTY SIZE: _____
WATER SUPPLY: ☒ Private ☐ Public ☐ Well ☐ Spring ☐ Other _____ PROPERTY RECORDED: _____
EVALUATION METHOD: ☐ Auger Boring ☒ Pit ☐ Cut TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	L 4%	0-3½"	Brw SCL	w SBK Fr, SS, SP, SExP					PS .3
		3-16"	RC m	SBK FR, SS, SP, SExP					
		10-40"	Rd/Brw	C/L m-w/SBK	w/few-few to many SAP Indus				
			common	mica		42"			
		42"-56"	Ver	SL/L SAP	massive	FR, SS, SP, SExP			
2	L 5%	0-7"	Brw	SCL w SBK	FR, SS, SP, SExP				PS .3
		7-20"	Rd/Brw	C/CL m-w SBK					
		20"-42"	Rd/Brw	CL w SBK	w/few-to many SAP Indus				
		46"-60"	Ver	SL/L SAP	massive				
3	L 5%	0-17"	Brw	SCL w SBK	SS, SP, SExP				PS .3
		17"-38"	Brw	C/L w SBK	FR, SS, SP, SExP				
		38-48	Rd/Brw	CL w SBK	w/few-to many SAP Indus				
		48-52	Ver	SL/L SAP	massive	FR, SS, SP, SExP			
4	L 4%	0-7"	Brw	SCL w SBK	FR, SS, SP, SExP				PS .3
		7-36"	Rd/Brw	C/L w SBK	FR, SS, SP, SExP				
		36-42"	Rd/Brw	CL w-few-to many	SAP Indus				
		42-50"	Ver	SL/L SAP	massive	FR, SS, SP, SExP			

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	PPBPS	PPBPS
Site LTAR	.3	.3

OTHER FACTORS (.1946): None
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Maria Dotson
OTHER(S) PRESENT: _____

COMMENTS: _____

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope) CV (Convex Slope) D (Drainage Way) DS (Debris Slump) FP (Flood Plain) FS (Foot Slope) H (Head Slope) L (Linear Slope) N (Nose Slope) R (Ridge) S (Shoulder Slope) T (Terrace)	I	S (Sand) LS (Loamy Sand)	1.2 - 0.8	0.6 - 0.4	NEXP (Non-expansive) SEXP (Slightly Expansive) EXP (Expansive)	G (Single Grain) M (Massive) CR (Crumb) GR (Granular) SBK (Subangular Blocky) ABK (Angular Blocky) PL (Platy) PR (Prismatic)
	II	SL (Sandy Loam) L (Loam)	0.8 - 0.6	0.4 - 0.3		
	III	Si (Silt) SiCL (Silty Clay Loam) CL (Clay Loam) SCL (Sandy Clay Loam) SiL (Silt Loam)	0.6 - 0.3	0.3 - 0.15		
	IV	SC (Sandy Clay) SiC (Silty Clay) C (Clay) O (Organic)	0.4 - 0.1 None	0.2 - 0.05 None		

MOIST	WET
VFR (Very Friable)	NS (Non-sticky)
FR (Friable)	SS (Slightly Sticky)
FI (Firm)	S (Sticky)
VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
EFI (Extremely Firm)	NP (Non-plastic)
	SP (Slightly Plastic)
	P (Plastic)
	VP (Very Plastic)

*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

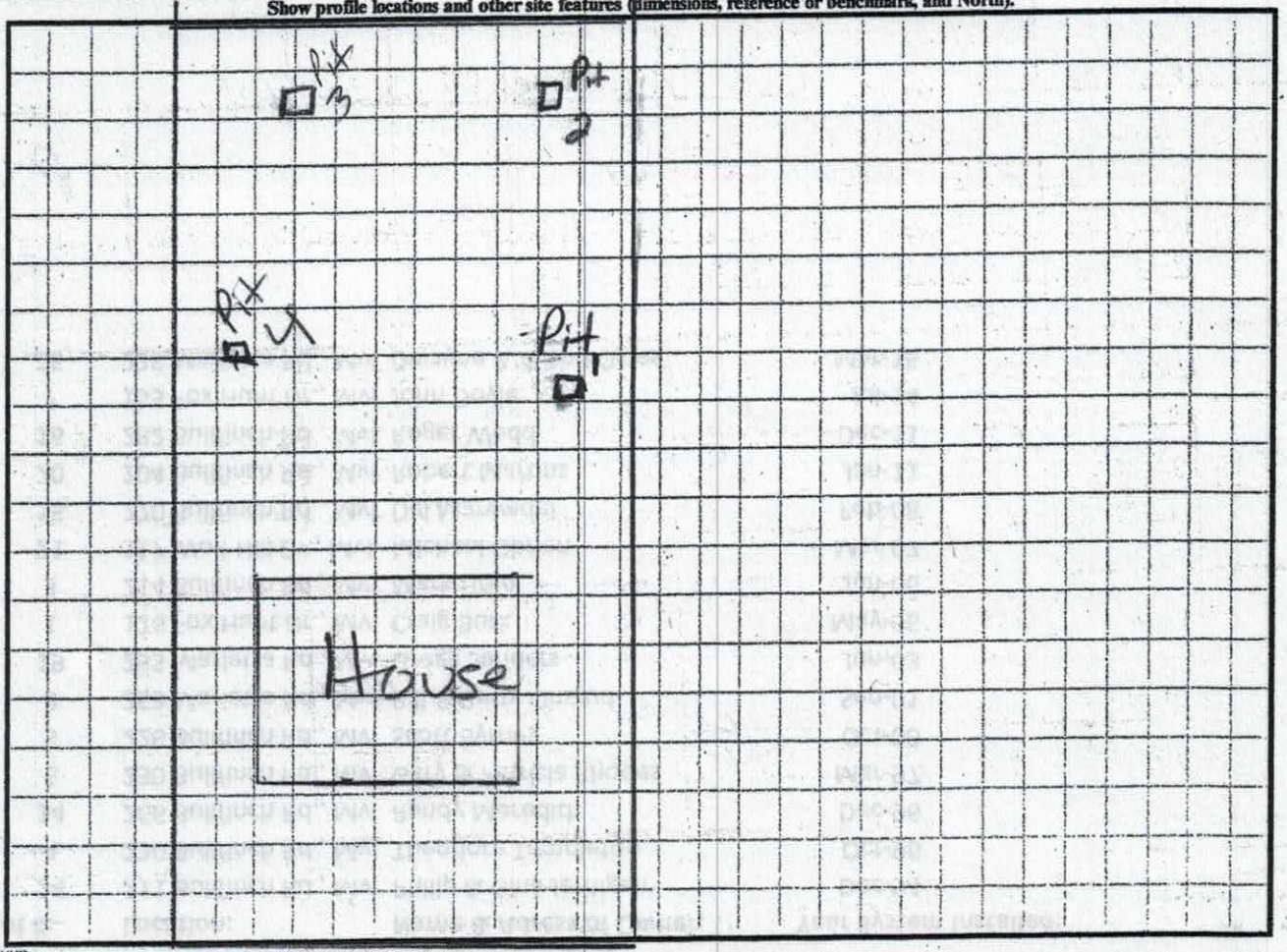
NOTES

HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
SOIL WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation
CLASSIFICATION	S (Suitable), PS (Provisionally Suitable), or U (Unsuitable)

Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft^2

Show profile locations and other site features (dimensions, reference or benchmark, and North).



DENR (######)
Review (#####)

RECEIVED SEP 16 2016

IREDELL COUNTY HEALTH DEPARTMENT
ENVIRONMENTAL HEALTH DIVISION
PAGE 1: APPLICATION FORM

* Intermediate Relayout

Paid $225.00
208040

Application For:

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

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:
Place an (X) beside whichever is submitted if applicable

(v) Survey Plat, scaled no more than 1 inch = 60 feet
( ) Custom Site Plan, scaled no more than 1 inch = 60 feet

Applicant Information:

Applicant Name: Rollans Son **Address:** P.O. Box 832 Mooresville NC 28115 **Phone:** 704 746 5046

Owner Name: Pete Denicola **Address:** 110 Sheep Path Dr Mooresville NC 28115 **Phone:** 704 235 8489

Property Information:

Street Address: 110 Sheep Path Drive Mooresville NC

Subdivision Name: Shepherds Bluff **Section/Phase:** V **Lot Number:** 41

Driving Directions: Hwy 115 N Rt on Shepherds, Lt on Shepherds Bluff Dr, Lt on Bluff Meadow Ln, Lt on Sheep Path Dr, Lot on Lt.

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

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

Maximum Number of Bedrooms: 3
Maximum Number of Occupants: 6
( ) Swimming Pool
( ) Other Addition/Structure:

(v) 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:

(v) 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 (v) Other: Accepted

Please answer the following to the best of your ability:

( ) Yes (v) No Does the site contain any jurisdictional wetlands?
( ) Yes (v) No Is any non-domestic sewage (i.e. industrial) to be generated?
( ) Yes (v) 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: _____ 9/16/16

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

Public Health
Prevent. Promote. Protect.
Iredell County Health Department

IREDELL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

Public Health
Prevent. Promote. Protect.
Iredell County Health Department

DOCUMENTATION TO AUTHORIZE AN OWNER'S LEGAL REPRESENTATIVE

Applications for permits require the "signature of the owner or owner's legal representative" (15A NCAC 18A .1937). If the owner does not sign the application himself or herself, they can submit any one of the following documents to designate their legal representative:

Power of Attorney; Real Estate Contract; Estate executor; Bankruptcy trustee; Court ordered guardianship

In the absence of the above documentation, the property owner may provide the local health department with documentation that designates a legal representative. A property owner may:

Complete this form to document his or her legal representative, or provide his or her own form that contains the information in this form.

If there are multiple property owners, then all property owners must sign the form that designates a legal representative.

By signing a form that designates a legal representative for purposes of 15A NCAC 18A .1937, the property owner authorizes that representative to act on their behalf in matters pertaining to the application and permitting process, including signing or receiving any application, document or permit. The owner retains full responsibility to meet all permit conditions specified by the local health department.

I, Peter CN DeNicola am the legal owner(s) of the property located at 110 Sheep Path DR Lot #41 Mooresville, NC. 28115, identified as PIN (Parcel Identification Number) 4659-66-0665, located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**) Samuel Ashley Rollans, Rollans Soil & Environmental Services, to act as an agent on my behalf in applying for/signing/obtaining any of the documents described below.

- Application for Improvement Permit (IP) / Authorization to Construct (AC)
- Improvement Permit (IP) / Authorization to Construct (AC)
- Application for soil-site evaluation (new/repair)
- Application/permit for private drinking water well/well abandonment
- Application for Compliance Inspection

I agree to abide by all decisions and/or conditions between the legal representative acting on my behalf and the Iredell County Department of Public Health, Environmental Health Division.

Signature of Owner(s)	Date	Signature of Witness	Date
	9/15/16	Sarah Bailie	9/15/16

Please return this signed form to the appropriate office:

Mooresville - Environmental Health
ronda.hart@co.iredell.nc.us
Fax: 704-662-3239
610 E. Center Avenue, Mooresville, NC 28115

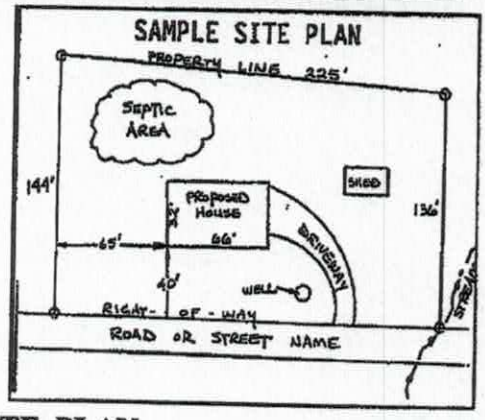
Statesville - Environmental Health
adrienne.shea@co.iredell.nc.us
Fax: 704-871-3483
349 N. Center Street, Statesville, NC 28677

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:

- (X) **Property Line measurements are clearly identified**
- (X) **All proposed structures are indicated**
- (X) **Front and side setbacks from property line**
- (X) **Preferred driveway location and well location**
- (X) **Area you prefer your septic system to be placed**
- (X) **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

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

9/15/06
DATE

IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3825 PERMIT # 208040

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

PIN # 4659616061605

APPLICANT: Blair Builders Inc. APPLICANT ADDRESS: P.O. Box 4569 Mooresville, NC 28117

SITE ADDRESS: 110 Sheep Path Dr Mooresville, NC 28115 PHONE: 7046093157 ALT. PHONE:

SITE DIRECTIONS: Hwy 115 N. TR Shepherd Rd TL Shepherd's Bluff TL Bluff Meadow TL Sheep Path on left

SUBDIVISION: Shepherds Bluff SECTION: LOT # 41 LOT AREA: .46 Acre DESIGN FLOW: 480gpd L.T.A.R.: .3

Septic Tank 1000 (gal) STB Date
Pump Tank 1000 (gal) PT Date
Pump Make Model Serial #
Nitrification Fields 1 # Lines 4 Linear Ft: 280ft
Trench Width min. 24" Max. Trench Bottom Depth 30" Gravel Depth N/A

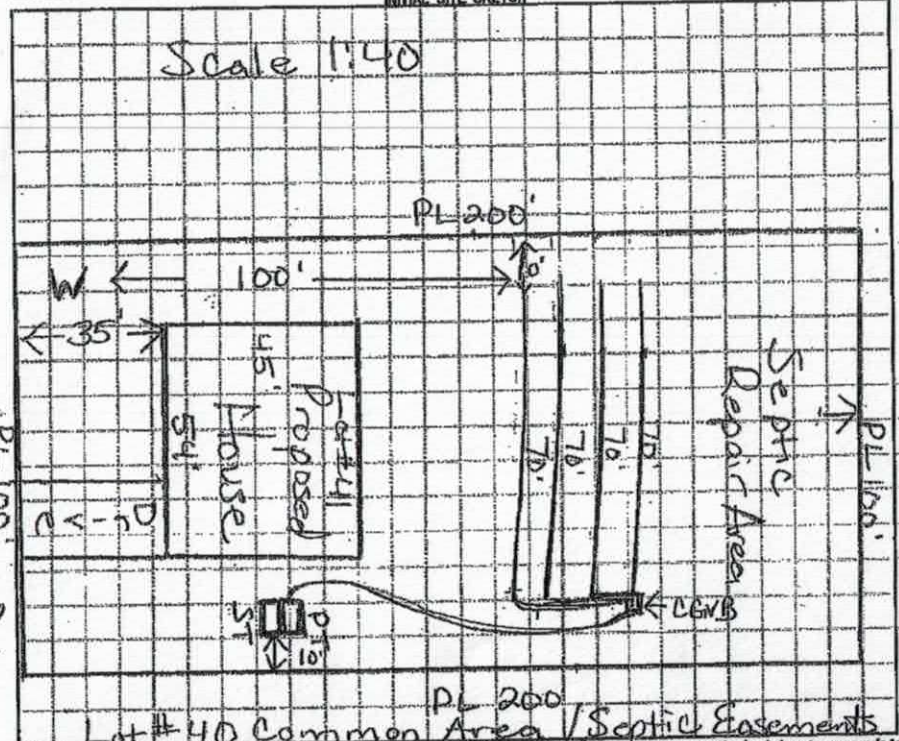
☒ New System ☐ Repair ☐ Expansion System Type: I II III (IV) V VI
System Description: Pump-LP-PPBPS
Repair System Description: Same
Maintenance Agreement Required: ☒ YES ☐ NO
☐ GRAVITY ☒ PRESSURE

☒ Residence No. Bedrooms 4
☐ Business No. Persons 8
☐ Other No. Employees
☐ Slab ☒ Crawl Space
☐ Basement w/plumbing ☐ Basement w/o plumbing

Water Supply: ☒ Private ☐ Public ☐ Community

Comments / Conditions: Divert storm/surface water away from Septic area. Stay 10ft off PL

INITIAL SITE SKETCH



AS BUILT SKETCH

---IMPROVEMENT PERMIT ONLY---

DO NOT ISSUE BUILDING PERMIT!

FLOOR PLAN STILL NEEDED!

CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION

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 60 mos.* ☐ AUTHORIZATION TO CONSTRUCT *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: Chloe Joyce Date: 5/8/15

IMPROVEMENT PERMIT by: Mariah Tolson R.S Date: 3/17/15

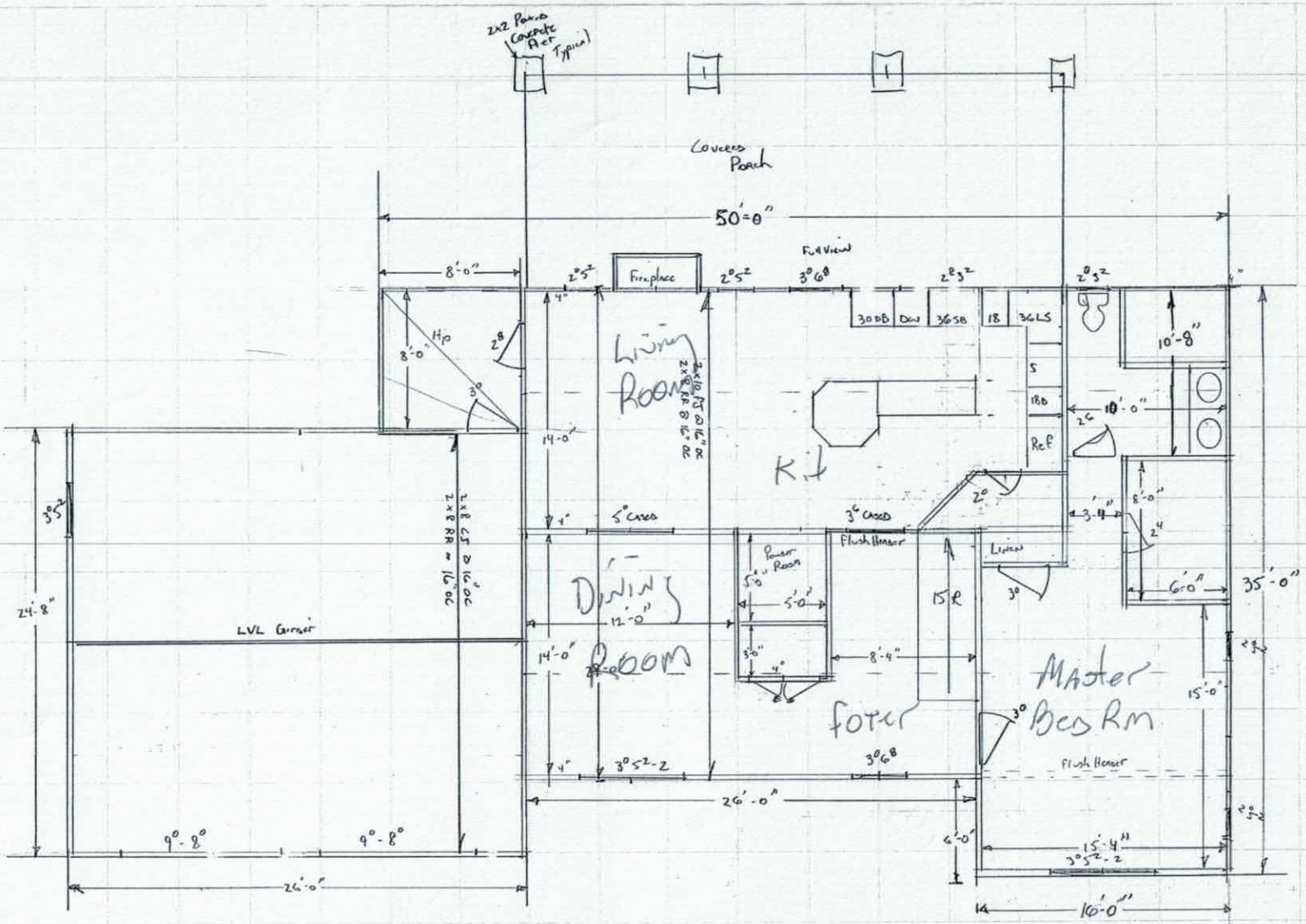
AUTHORIZATION TO CONSTRUCT by: Date:

Installed by:

OPERATION PERMIT by: Date:

Existing System Inspected by: Date:

Health Dept. Copy - WHITE Applicant (Final Approval) - YELLOW Applicant (Conditional Approval) - PINK



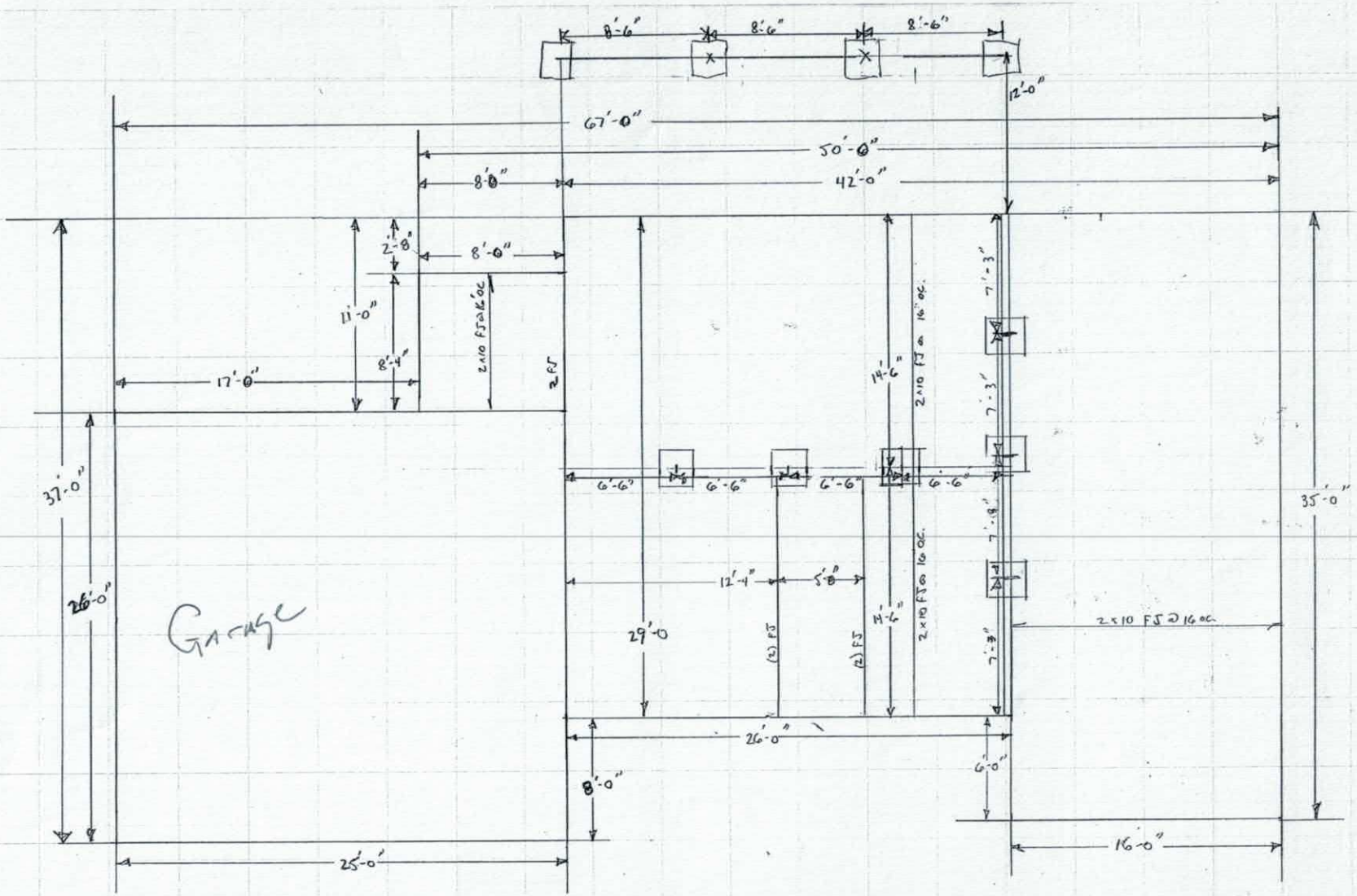
Acknowledgement of Plans Submittal ONLY!

Date 9/27

Date 9/24/16

LOT # 41

Shepherds Bluff



Acknowledgement of
Plans Submittal ONLY!

Date 9/27

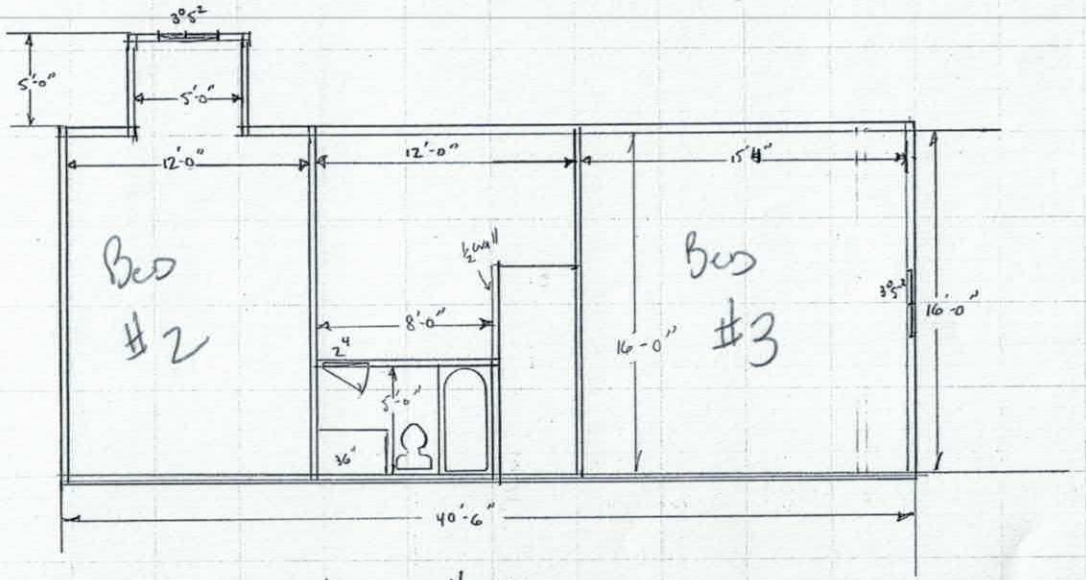
Date 11/28/16

LOT # 41
Shepherd Bluff
Foundation Plan

Acknowledgement of
Plans Submittal ONLY!

PC Date 9/27

Date



LOT # 41
Shepherds Bluff

IREDELL COUNTY

PO Box 788
349 North Center St.
Statesville, NC 28677

APPLICATION NUMBER
208040
Issue Date: 01/23/2015

ZONING PERMIT

Open Space

Parcel Number	Street Address	Jurisdiction
4659660665.000	110 SHEEP PATH DRIVE, MOORESVILLE, NC 28115	MOORESVILLE

Owner Information	Applicant Information
Owner: SHEPHERDS BLUFF LLC	Applicant: BLAIR BUILDERS INC
Address: 111-B RACEWAY DR MOORESVILLE, NC 28115	Address: PO BOX 4569 MOORESVILLE, NC 28117
Phone:	Phone: 704-609-3157

Use Requested	Zone Code
SFD REPLACING PERMIT 153621	RA

Lot Acreage	F Setback	B Setback	L Setback	R Setback	Watershed	Flood Zone
.460	35.00	35.00	15.00	15.00	NOT	X

Remarks:

The applicant certifies that there are no deed restrictions, contractual agreements or governmental regulations of any kind that interfere with or prohibit the use of the property or the use for which this permit is requested. The applicant further acknowledges that enforcement of deed restrictions, plat conditions and other contractual agreements will not be undertaken by Iredell County and is the sole responsibility of the affected parties.

Applicant: _____ Date: _____

Permit Number	30057	TOTAL FEES:	$ 77.25