IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 222589

PIN # 4732154831.000

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

APPLICANT/OWNER: SDH Charlotte LLC

APPLICANT ADDRESS: 10130 Mallard Creek Road #218 Charlotte NC 28262

PHONE: 704-944-5557 ALT. PHONE

SITE ADDRESS: 125 Bell Chase Lane Statesville NC 28677

SAP CONTROLLED: ☐ YES ☒ NO

SITE DIRECTIONS: Old MTN Rd @ or Wallace Springs Rd on Autumn Mist Rd on Bell Chase.

SECTION: 1 LOT # 34 LOT AREA: 0.498 Acres

DESIGN FLOW: 360 gpd L.T.A.R.: .275

SUBDIVISION: Autumn Brook

Septic Tank	1000 (gal)	STB	Infiltrator	Date	JM1060		
Pump Tank	1000 (gal)	PT	Infiltrator	Date	JM1060		
Pump Make	ORENCO	Model	PM30	Serial #			
# Nitrification Fields	1	# Lines	3	Linear Ft.	225		
Trench Width	36	Trench Bottom Depth(inches)	36	Gravel Depth	~		

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

System Description: LP Panel Block 50% Reduction

Repair System Description: LP Panel Block 50% Reduction

Maintenance Agreement Required: ☒ YES ☐ NO

☐ GRAVITY ☒ PRESSURE

☒ Residence No. Bedrooms 3

☐ Business No. Persons 6

☐ Other No. Employees

☒ Slab ☐ Crawl Space

☐ Basement w/plumbing ☐ Basement w/o plumbing

Water Supply: ☐ Private ☐ Public ☐ Community

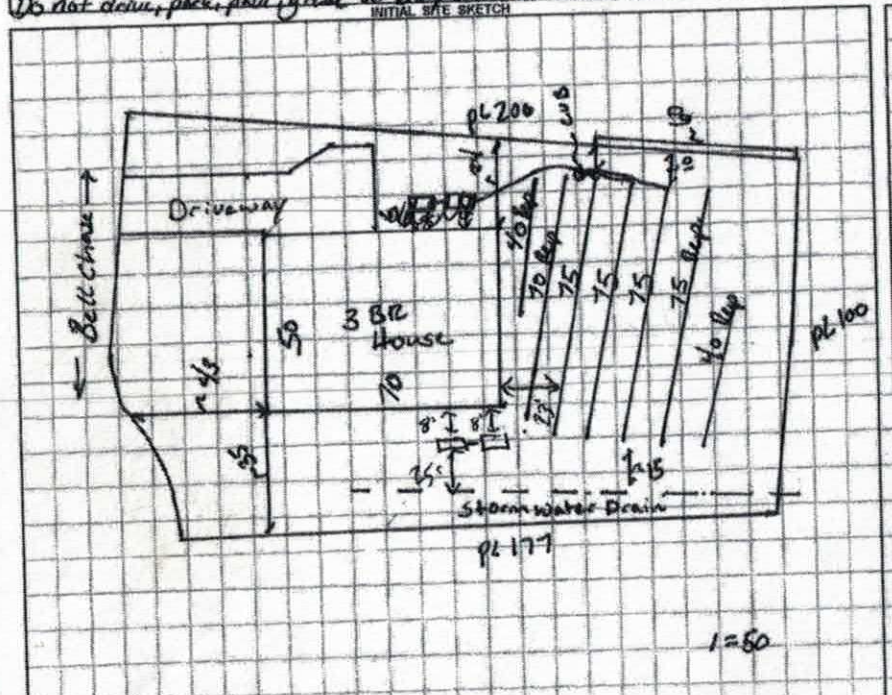
Comments / Conditions: Install Septic drainlines on the Contour of the land and utilize Control Valve Box. Do not exceed more depth of 36 inches Do not drive, park, pave, grade or bury utilities in drainfield.

Dose @ 180 gallons. We 5/32 holes.

21 gallons per min System Flow.

2 Ft of Pressure Head @ .41 gpm.

INITIAL SITE SKETCH



AS BUILT SKETCH

	Date	Initials
Drain Lines Checked	4/18	KW
Tanks Checked	4/18	KW
Pressure Manifold or Valve Box Checked	4/26	BB
Pressure Head Set	4/26	BB
Electrical Checked	4/26	BB
Floats Set	4/26	BB
Alarm Checked	4/26	BB
Maintenance Contract (Y) / N	5-2	BW

* ~~Still Needs Maintenance Contract~~

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 to 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: Date: 9/27/18 Installed by: Specialty Septic

IMPROVEMENT PERMIT by: Benjamin A. Bolkin Date: 9/24/2018 OPERATION PERMIT by: Burford C. White Date: 5-2-19

AUTHORIZATION TO CONSTRUCT by: Benjamin A. Bolkin Date: 9/24/2018 Existing System Inspected by: Date:

FOR SEPTIC FINAL INSPECTION: CALL 704-664-3703 between 8am-9am the day the inspection is needed. Be sure to speak with an inspector to confirm your inspection time.

DEPARTMENT OF HEALTH AND HUMAN SERVICES
DIVISION OF PUBLIC HEALTH, ENVIRONMENTAL HEALTH SECTION
ON-SITE WATER PROTECTION BRANCH

Sheet ____ of ____
PROPERTY ID #: _____
COUNTY: _____

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM
(Complete all fields in full)

OWNER: _____ APPLICATION DATE: _____
ADDRESS: _____ DATE EVALUATED: 11/14/16
PROPOSED FACILITY: _____ PROPOSED DESIGN FLOW (.1949): _____ PROPERTY SIZE: _____
LOCATION OF SITE: Lot 34 Autumn Brook PROPERTY RECORDED: _____

WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☐ Other _____

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	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	L 10%	0-8	BSCL WSNH	fr SSSP	-	62	-	-	.3
		8-32	RC SNH	fr SSSP					
		32-62	RCL WSNH	fr SSSP					
2	L 10%	0-6	BSCL WSNH	fr SSSP	-	56	-	-	.3
		6-34	RC SNH	fr SSSP					
		34-56	RCL WSNH	fr SSSP					
3									
4									

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

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____

EVALUATED BY: _____
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	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 - 0.4	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** VFR (Very Friable) FR (Friable) FI (Firm) VFI (Very Firm v. Very Sticky) EFI (Extremely Firm)	**WET** NS (Non-sticky) SS (Slightly Sticky) S (Sticky) VS (Very Sticky) 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.

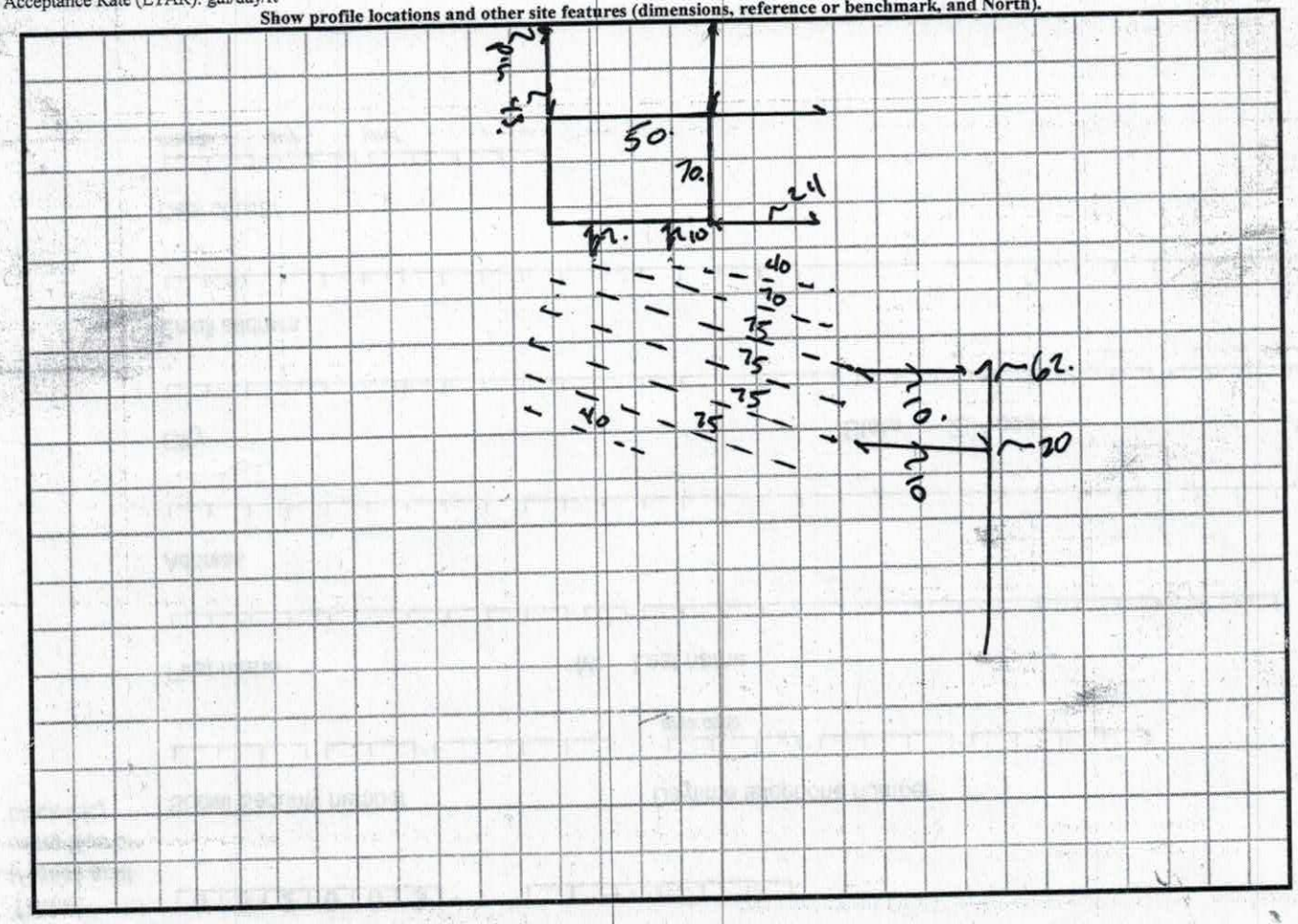
NOTES

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).



225

ROLLANS *Soil & Environmental Services, Inc.*

470 N Broad Street, Suite D, Mooresville, NC 28115 Phone: (704) 658-1723 Fax: (704) 658-1724

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

Brady Freeman, Registered Sanitarian
Mobile: (704) 746-6497
Email: 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 # 34 in Autumn Brook 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



September 22, 2008
Project #: 01-1439
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 NC 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.
- 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 24" wide and have no more than 1/4" fall in 10 feet.
- Backfill against house to achieve positive drainage.
- All gulleys near system and repair areas must be filled with provisionally suitable material.

LP PPBPS SYSTEM
FOR WASTEWATER TREATMENT

Owner/Applicant:	The Johnson Group
Address:	132 Court Street Statesville, NC 28677
Phone:	704-881-0098
County:	Iredell
Location:	AUTUMN BROOK LOT 34
Source of Wastewater Flow:	4 Bedroom Single Family Residence
Estimated Gallons Per Day Flow:	480
System Flow:	28.29

Design Specifications

Drainfield Size:	296
Loading Rate (gpd/ft.^{2}):	0.275
Depth of Gravel in Trench:	NA (PPBPS)
Gravel Size:	NA (PPBPS)
Trench Depth:	36 in.
Trench Width:	24 in.
Septic Tank Size:	1000
Pump Tank Size:	1000
Estimated Supply Line Length:	15
Supply Line Diameter:	2 in. SCH 40 PVC
Supply Line Volume:	2.61
Dosing Volume:	166.43
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:	0.27
Elevation Head:	3.40
Total Dynamic Head:	6.52
Threaded Union:	In Tank
Gate Valves:	1 in Tank 1 per lateral
Check Valves:	In Tank
Anti-Siphon Hole:	YES
Additional Comments:	Soil suitability was performed by Rollans Soil & Environmental Services

AUTUMN BROOK LOT 34

LP PPBPS

DESIGN FLOW (gpd):	480
SOIL APPLICATION RATE (gpd/ft.^{2}):	0.275
TOTAL AREA TRENCH BOTTOM:	888
TOTAL LATERAL LENGTH:	296
NUMBER OF FIELDS:	1
LATERAL LENGTH REQUIRED PER FIELD:	290.9090909
SUPPLY LINE LENGTH:	15
TOTAL DYNAMIC HEAD:	6.52
MANIFOLD SIZE:	N/A
DOSING VOLUME:	166.43
PUMP TANK DRAW DOWN*:	7.9
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 BROOK LOT 34

Project #: 01-1439

LAYOUT FOR 4 BEDROOM HOME

September 22, 2008

LINE #	FLAG COLOR	BS	HI	FS	ELEVATION	FLAGGED LINE LENGTH	DESIGN LINE LENGTH
TBM		9.7			100.00		
INSTR. 1			109.70				
HOUSE CNR				6.60	103.10		
P. TANK				6.00	103.70		
1	ORANGE			5.10	104.60	35	35
2	PINK			6.30	103.40	57	57
3	***RED***			***7.60***	***102.10***	***91***	***90***
4	***ORANGE***			***9.20***	***100.50***	***91***	***90***
5	***BLUE***			***10.70***	***99.00***	***90***	***90***
6	***PINK***			***12.30***	***97.40***	***26***	***26***
6	PINK			12.30	97.40	57	57
7	RED			13.90	95.80	85	85
8	ORANGE			15.50	94.20	61	61
					Total	**593**	**591**

	LINE LENGTH	LTAR GPD/FT2	SYSTEM TYPE	SOIL LTAR GPD/FT2	TRENCH SYSTEM	DISTRIBUTION
**** System***	***296***	***0.275***	***MOD.***	***0.275***	***PPBPS***	***LOW PRESSURE***
Repair	295	0.275	MOD.	0.275	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

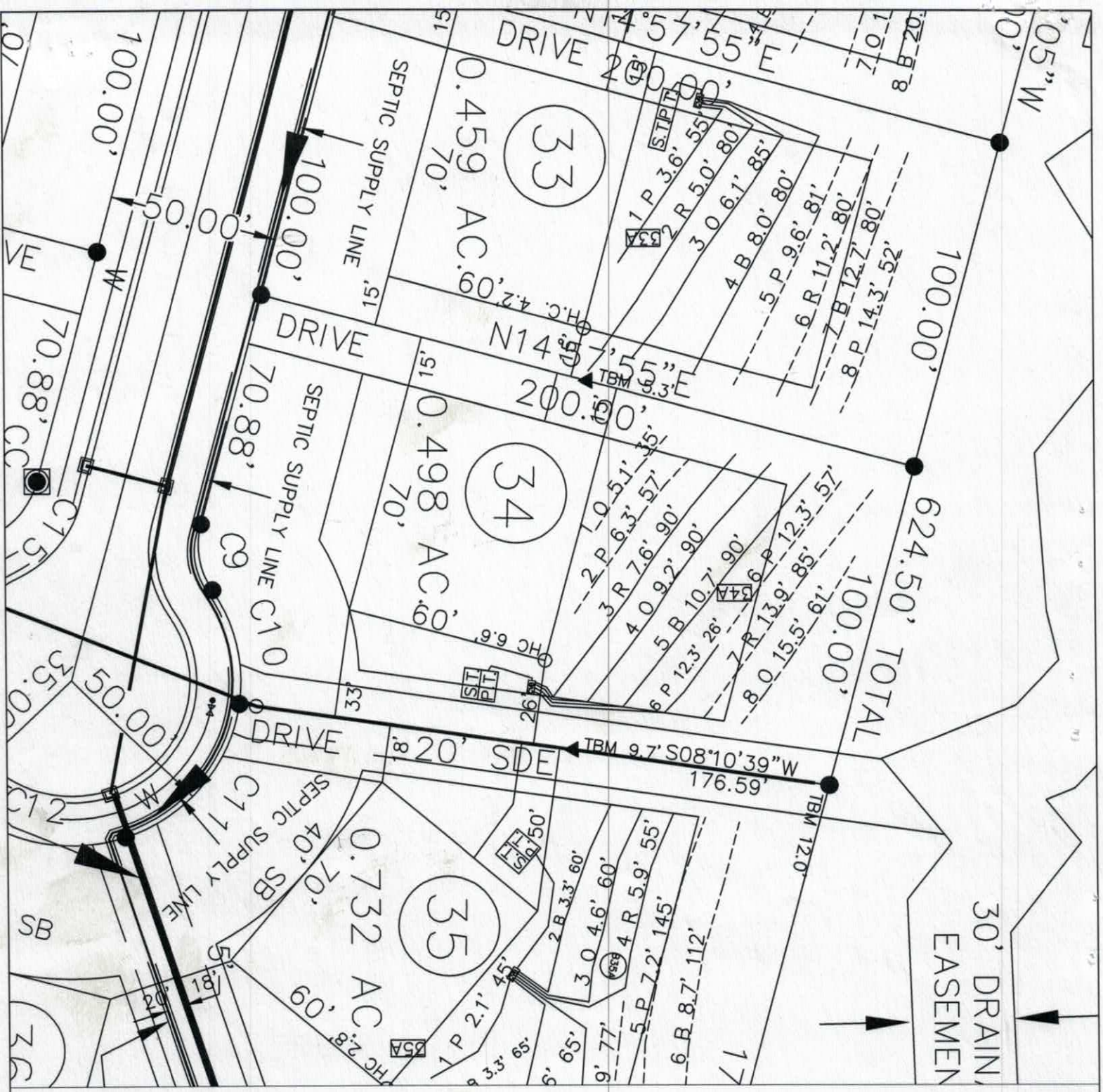
LP PPBPS TAPSHEET -AUTUMN BROOK LOT# 34

SYSTEM

Line #	Color	Elevation	Length	Hole Size	Flow/hole	Trench Area	Number of Panels
3	*RED*	*102.10*	*90*	0.156	**0.41**	270	21
4	*ORANGE*	*100.50*	*90*	0.156	**0.41**	270	21
5	*BLUE*	*99.00*	*90*	0.156	**0.41**	270	21
6	*PINK*	*97.40*	*26*	0.156	**0.41**	78	6
							69
	total	**feet =**	**296**	**gal/min =**	**28.29**		

Des. Flow	**480**
Pump Run=	**5.88**
soil LTAR	**0.275**
LTAR +5%	**0.28875**
LTAR with mod.	**0.55**
LTAR with mod.. + 5%	**0.5775**

.156 equals 5/32 inch hole



LEGEND

- HOUSE
- PIT
- SEPTIC 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.

ROLLANS SOIL & ENVIRONMENTAL SERVICES

470 N. BROAD ST., SUITE D
MOORESVILLE, NC 28115
PHONE/FAX: (704) 658-1723

ASHLEY ROLLANS, NC LICENSED SOIL SCIENTIST
MOBILE: (704) 746-5046
EMAIL: ROLLANS@WINDSTREAM.NET

MAP TITLE: PRELIMINARY SOIL EVALUATION

PROJECT NAME: THE JOHNSON GROUP / AUTUMN BROOK

LOCATION/DATE: WALLACE SPRINGS ROAD, IREDELL COUNTY, NORTH CAROLINA, JUNE 2008

JOB # :	01-1439
FILE:	C:\JOBS\01-1439
PROJECT MGR.:	A.L.P
FIELD WORK:	A.L.P
DRAWN BY:	A.L.P

CALCULATIONS

Location AUTUMN BROOK

Project Number 01-1439

Lot No: Lot 34

No. of Bedrooms	4	
Design Flow	480	$^{gal}/_{day}$
LTAR	0.275	$^{gal}/_{ft^2\,day}$
PPBPS? (YES OR NO)	YES	
Supply Line Length	15	ft.
Supply Line Volume	2.61	gal.
Required Feet of Line	290.9091	ft.
Amount of Line from Layout	296	ft.
Gallons per Minute	28.29	$^{gal}/_{min}$
Required Septic Tank Capacity	1000	gal.
Minimum Standard Tank Size	1000	
Panel Volume	3.6	gal.
# of Panels	69	
Dosing Volume	166.43	gal.

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

Tank Draw Down	7.9	*Generic Draw Down of 21 gal.per in.*
Pump Run Time	5.88	minutes
Elevation Head	3.4	ft.
Pressure Head	2	ft.
Friction Factor	1.78	ft./100 ft. *(From the interpolater.)*
Friction Head	0.27	ft.
Total Dynamic Head (+15%)	6.52	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

RECEIVED AUG 9 - 2018

~~RECEIVED JUL 27 2018~~

Paid $320.00 Online

IREDELL COUNTY HEALTH DEPARTMENT *ENVIRONMENTAL HEALTH DIVISION*

(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)

#222589 149 10 220

1. APPLICATION FOR: ___ Improvement Permit ✓ Authorization To Construct ___ Existing System Inspection

Paid $180.00

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 #	Alternate Phone #
SDH Charlotte LLC	10130 Mallard Creek Road #218 Charlotte NC 28262	704-944-5557	
Owner Name	**Mailing Address**	**Home Phone #**	**Alternate Phone #**
SDH Charlotte LLC	10130 Mallard Creek Road #218 Charlotte NC 28262	704-944-5557	

4. Property Information:

Street Address	Subdivision Name	Section/Phase and Lot Number
125 Bell Chase Ln	Autumn Brook	Lot 34

Driving Directions: _____

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

(✓) New, Single Family Residence — Maximum Number of Bedrooms 3 — ( ) Crawl Space Foundation?

( ) New, Multi-Family Residence — Maximum Number of Occupants ___ — (✓) Concrete Slab Foundation?

( ) Expansion of Existing Septic System — If Expansion, Current Number of Bedrooms ___ — ( ) Basement w/Plumbing?

( ) Repair To Failing Septic System due to _____ — ( ) Basement w/out Plumbing?

(✓) Other Confirming bedrooms on existing permit

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)* ( ) EXISTING SYSTEM installed _____ *Year*

( ) Alternative (✓) Conventional ( ) Innovative ( ) Modified Conventional ( ) Other _____

8. Please Answer The Following ( ) Yes (✓) No Does the site contain any jurisdictional wetlands?

To The Best of Your Ability: ( ) 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: _____ 7/27/18

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

* Stormwater
* PL.
* Not Enough Repair

150

IREDELL COUNTY HEALTH DEPARTMENT *ENVIRONMENTAL HEALTH DIVISION*:

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...

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

X Front and side setbacks from property line...

X Area you prefer your septic system to be placed...

X Preferred driveway location and configuration, preferred well location...

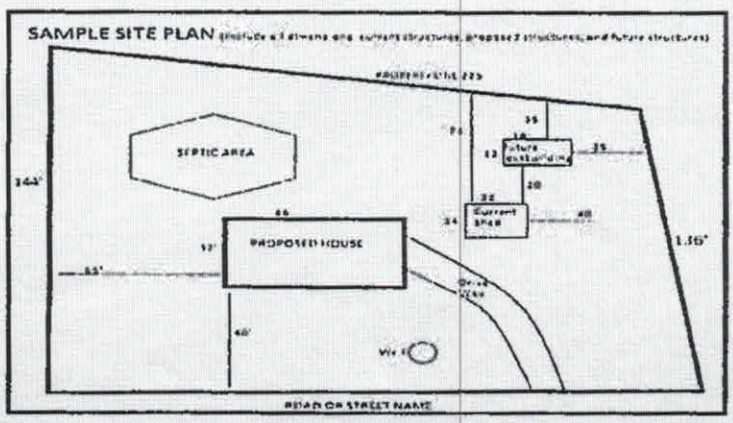
X North arrow, or other sufficient indicator of direction...

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



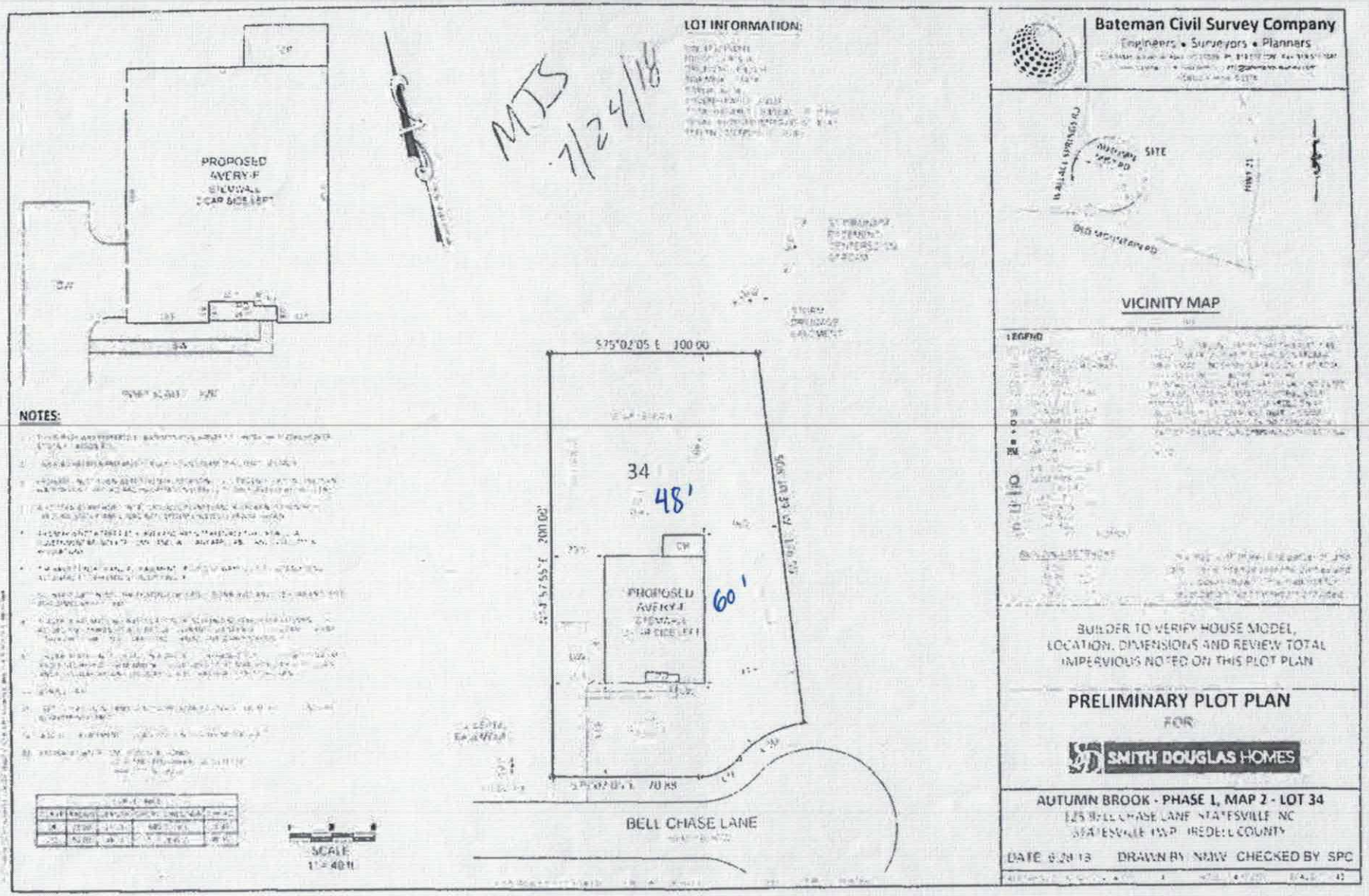
USE THIS SPACE TO DRAW YOUR SITE PLAN

Signature: _____

REQUIRED property owner or owner's legal representative signature.

7/27/18

DATE


PROPOSED
AVERY F
SIDE LOAD
2 CAR SIDE LEFT
LOT INFORMATION:
MJS
7/24/18
S75°02'05 E 100.00
34
48'
60'
PROPOSED
AVERY F
S75°02'05"E 70.83
BELL CHASE LANE
SCALE
1" = 40'
NOTES:
Bateman Civil Survey Company
Engineers • Surveyors • Planners
SITE
VICINITY MAP
LEGEND
BUILDER TO VERIFY HOUSE MODEL, LOCATION, DIMENSIONS AND REVIEW TOTAL IMPERVIOUS NOTED ON THIS PLOT PLAN
PRELIMINARY PLOT PLAN
FOR
SMITH DOUGLAS HOMES
AUTUMN BROOK - PHASE 1, MAP 2 - LOT 34
DATE 6.26.18 DRAWN BY NMW CHECKED BY SPC

[redacted] 2587

IREDELL COUNTY HEALTH DEPARTMENT

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

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

PERMIT# 150757 PIN# 4732464066.034 4732154531 DATE 10-3-08

OWNER OR APPLICANT Autumn Brook LLC PHONE: Business 704-996-2277 Home

ADDRESS 323 Walnut St. Statesville NC 28677

LOCATION Hwy 21 S TR old Mtn Rd TR Wallace Springs TR Autumn

SUBDIVISION Autumn Brook BLOCK / SECTION LOT 34 LOT AREA .498 Ac. SITE CLASS PS DESIGN FLOW 480gpd L.T.A.R. .975 gpd/ft²

Septic Tank: 1000 Gallons: STB Date

Pump Tank: 1000 Gallons: PT Date

Pump Make: Model Serial No.

Nitrification Field: No Fields 1 Square Feet Linear Feet 296

No Lines 4 Trench Width 24" Max Trench Bottom Depth 36" Gravel Depth 18" ☐ Gravity ☒ Pressure

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

System Description: LPPPBPS

Repair System Description: LPPPBPS

Maintenance Agreement Required: ☒ Yes ☐ No

☒ House/Mod. Home ☐ Mobile Home ☐ Business ☐ Other

No. Bedrooms 4 No. Persons 8 No. Employees

Water Supply: ☐ Individual ☒ Public ☐ Community

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

Comments/Conditions: Install with 24" trench width

In-line pump filter required

Comments/Conditions:

INITIAL SITE SKETCH

See plan from Rollins Soil & Environmental Services

10/14/08

AS BUILT SKETCH

Non-Expiring Permit

11/14/08

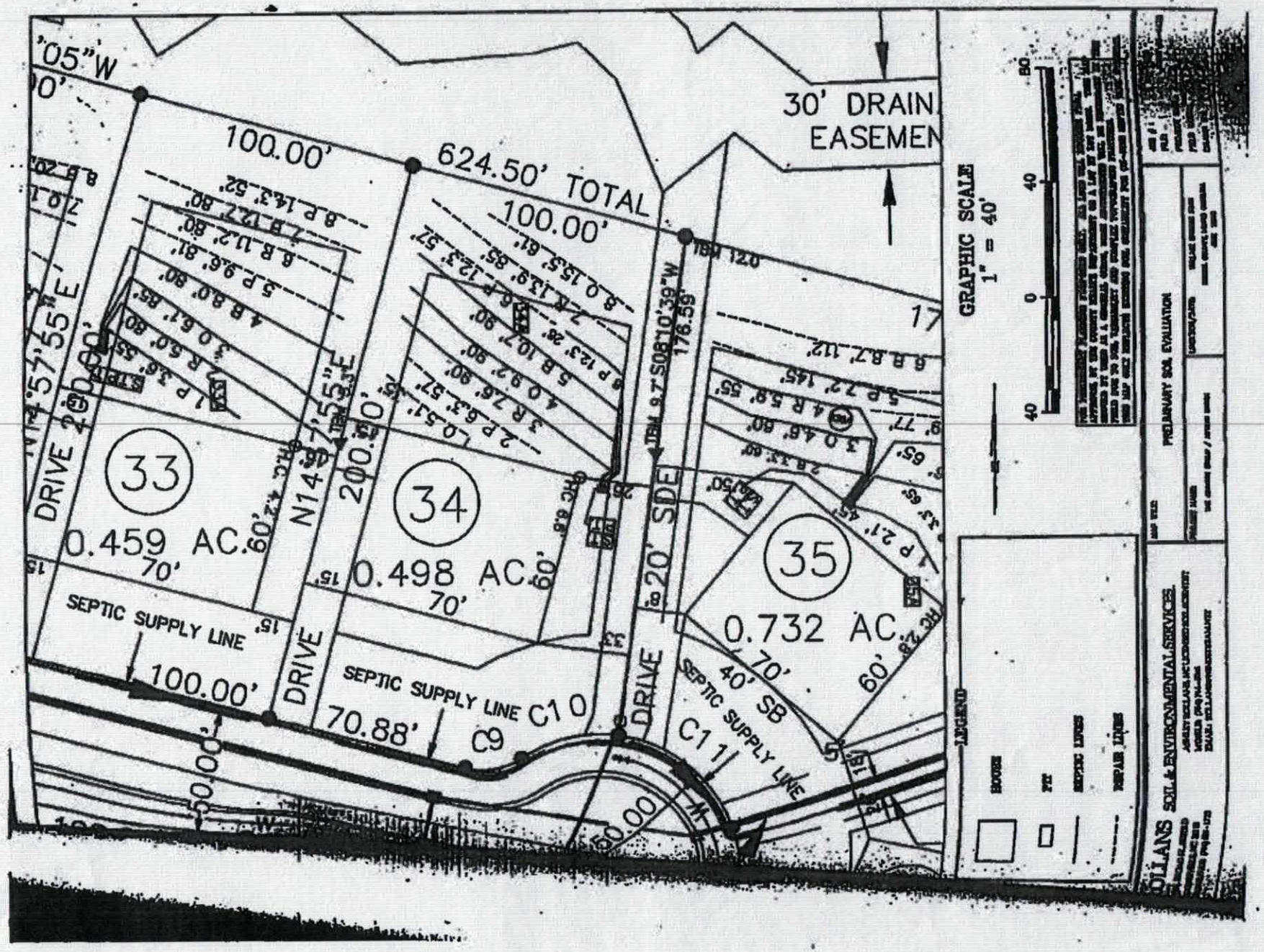
Permit can be suspended or revoked if any false information is supplied toward securing the permit/any unauthorized changes are made to the site/any unauthorized changes are made in the installation of the system. Improvement Permit with plan valid without expiration ☐ Improvement Permit with site plan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

Signed: [signature] date 10-7-08 Installed by:

Improvement Permit by: Audrey Melville date 10-3-08 Operation Permit by: date

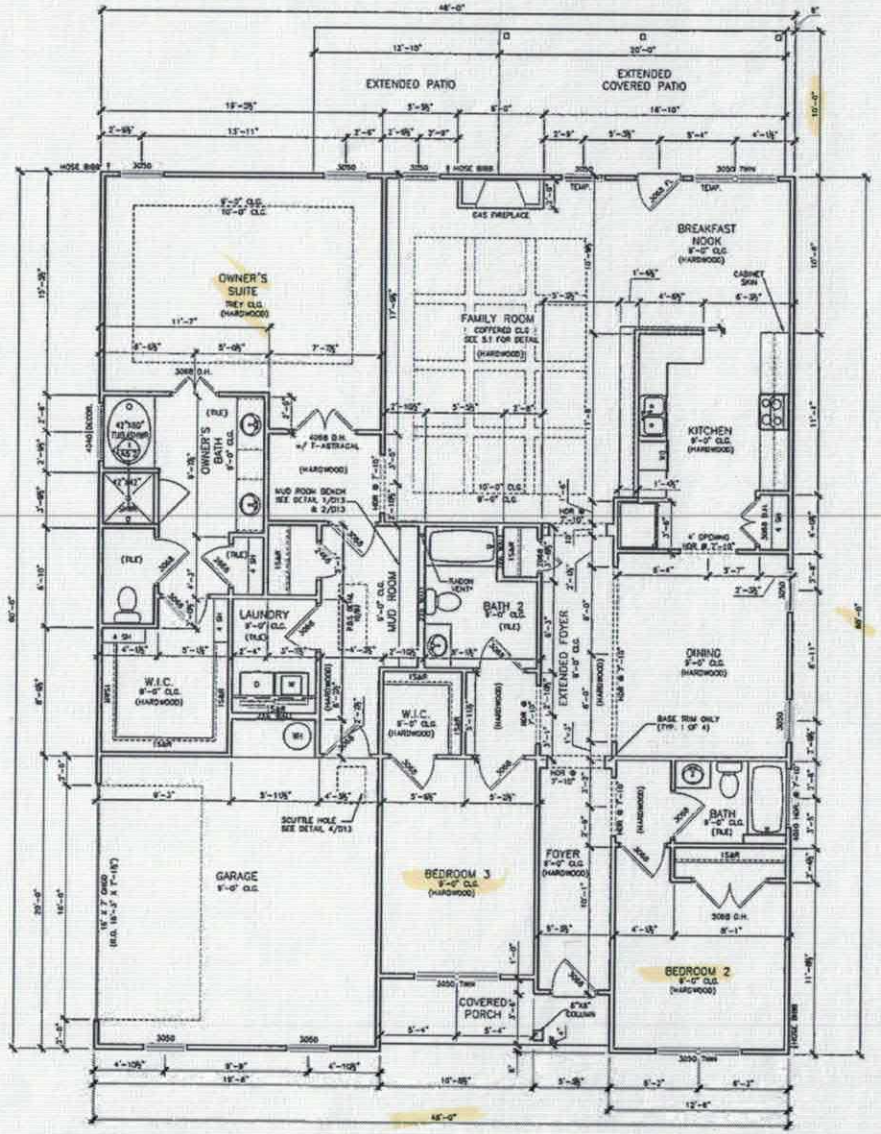
Authorization to Construct by: date Existing System Inspection by: date

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


"05"W
0'
100.00'
624.50' TOTAL
100.00'
30' DRAIN
EASEMEN
GRAPHIC SCALE
1" = 40'
80
40
0
40
DRIVE 200.00'
N14°57'55"E
200.00'
33
0.459 AC.
70'
34
0.498 AC.
70'
35
0.732 AC
70'
SEPTIC SUPPLY LINE
100.00'
DRIVE
SEPTIC SUPPLY LINE
70.88'
C9
C10
DRIVE
C11
SEPTIC SUPPLY LINE
40' SB
20' SDE
178.59'
S08°10'39"W
60'
LEGEND
SOILS & ENVIRONMENTAL SERVICES
PRELIMINARY SOIL EVALUATION

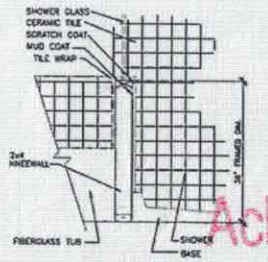
24

AUTUMN BROOK - 34



FIRST FLOOR PLAN

SCALE : 1/8" = 1'-0"

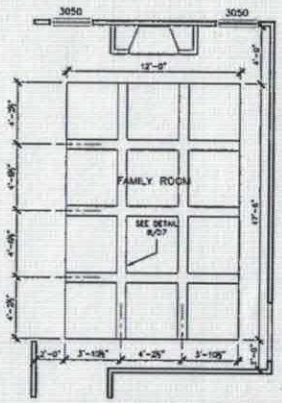


SECTION @ TYPICAL GARDEN TUB/ TILED SHOWER w/GLASS WALL

N.T.S.

*RADON VENT PROVIDED PER LOCAL CODE

REFER TO MANUFACTURER'S SPECS. FOR DRAIN LOCATIONS ON DETAIL SHEETS D12,D12.1,D12.2 & D12.3



COFFERED CEILING WITH FIREPLACE

Acknowledgement Of Plans Submitted ONLY!

Benjamin D Burns 7/30/18

REVISION	DATE

SMITH DOUGLAS HOMES
QUALITY | INTEGRITY | SERVICE

FLOOR PLANS
FIRST FLOOR
AVERY

SMITH DOUGLAS HOMES
135 VILLAGE TRAIL
SUITE 215
WOODSTOCK, GA 30188

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BY	ED	CHK	AW
DATE	7/2/18		
PACKET SPEC	C		
PLAN NO	2404		
ELEV	ALL	CLR	F
SHT NO	A5.1		

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