BLDR-2023-23140

ICHD - ENVIRONMENTAL HEALTH DIVISION

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

PERMIT # OSWP-2023-18717

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

PIN # 4774-08-8519

APPLICANT / OWNER: HELMSMAN HOMES, LLC | APPLICANT ADDRESS: PO Box 3965, MOORESVILLE, NC 28117

SITE ADDRESS: 119 DOVE CREEK TRL, STATESVILLE, NC 28625 | PHONE: 7042391492 | ALT. PHONE: 7043636038

SITE DIRECTIONS: | SAP CONTROLLED: YES ☐ NO ☒

SUBDIVISION: Salem Springs | SECTION: - | LOT #: 42 | LOT AREA: 1.821 | DESIGN FLOW: 360 | L.T.A.R.: .25

Septic Tank: (gal) 1000	STB: Infiltrator	Date:	☑ New System ☐ Repair ☐ Expansion	System Type: I II	☑ Residence	No. Bedrooms: 3	Water Supply: Other Public Water
Pump Tank: (gal) -	PT: -	Date: -	System Description: 25% Reduction		☐ Business	No. Persons: 6	
Pump Make: -	Model: -	Serial #: -	Repair System Description: LP-HPPBPS -50% Reduct		☐ Other	No. Employees:	
# Nitrification Fields: 1	# Lines: 3	Linear Ft.: 366	Maintenance Agreement Required: ☐ YES ☑ NO		☐ Slab	☑ Crawl Space	
Trench Width: 36in	Trench Bottom Depth (Low side): 30in		Gravel Depth: -	☑ GRAVITY ☐ PRESSURE	☐ Basement w/ Plumbing	☐ Basement w/o Plumbing	

Comments / Conditions:

INITIAL SITE SKETCH

This permit is issued pursuant to G.S. 130A-335 (a2), (a3) + (a4) using the Signed and Sealed LSS/LG Evaluation attached here from.

Soil + Forestry Services of the Carolinas, PA

LSS # 1231

AS BUILT SKETCH

See attached as built

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: | Date:

IMPROVEMENT PERMIT by: Benjamin A. Bottin | Date: 4-11-2023

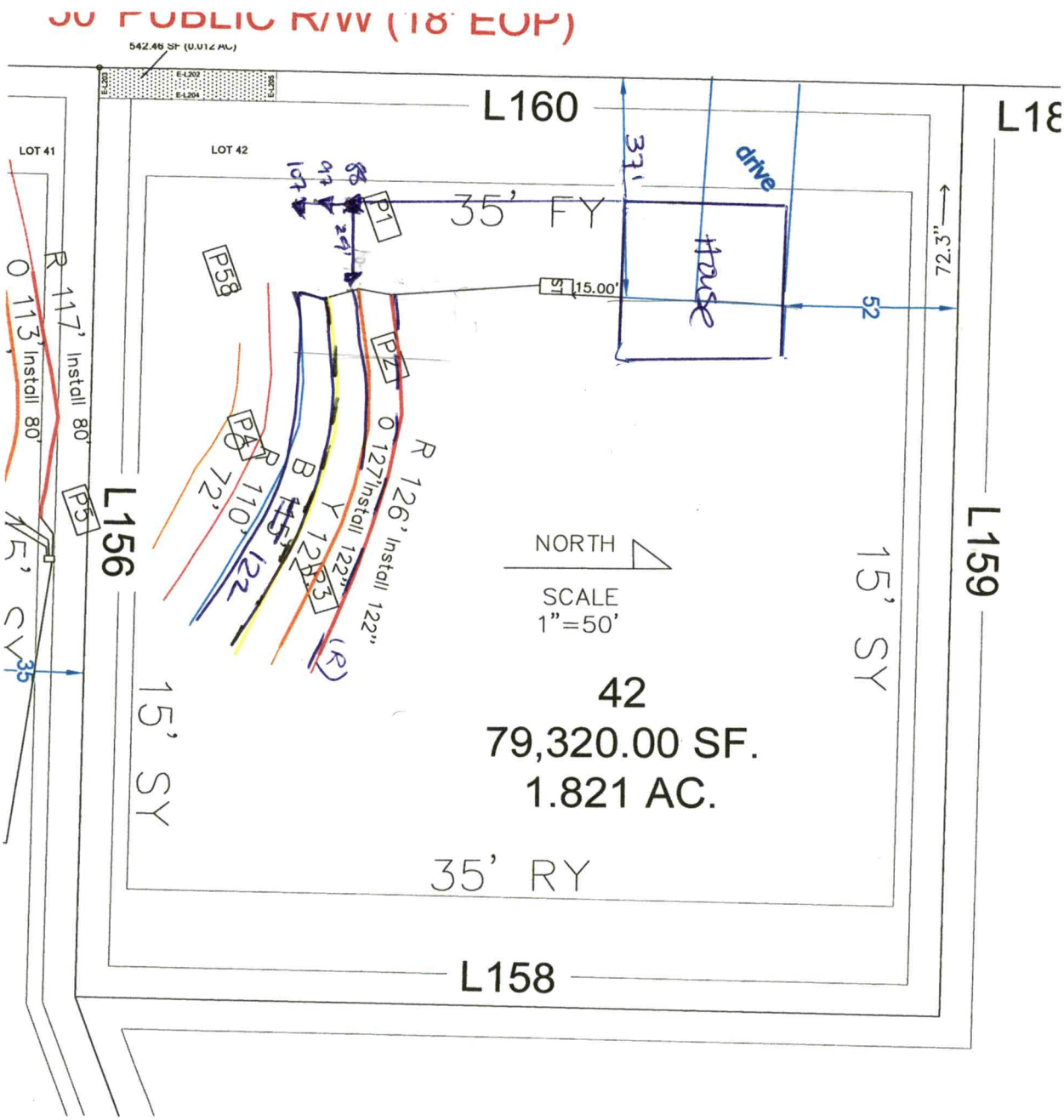
AUTHORIZATION TO CONSTRUCT by: Benjamin A. Bottin | Date: 4-11-2023

Installed By: Mark Probst

OPERATION PERMIT by: | Date: 11/20/24

Existing System Inspected By: | Date:

FOR SEPTIC FINAL INSPECTION CALL: 704-664-3703 BETWEEN 8am-9am the day the inspection is needed.


PUBLIC R/W (18' EOP)
542.46 SF (0.012 AC)
L160
L159
L158
L156
LOT 41
LOT 42
35' FY
15' SY
35' RY
15' SY
15' SY
37'
drive
house
72.3"
52
15.00'
P1
P2
P3
P4
P5
P58
L1
R 117' Install 80'
O 113'
R 126' Install 122"
O 127' Install 122"
NORTH
SCALE
1"=50'
42
79,320.00 SF.
1.821 AC.

As Built Sketch

PRELIMINARY FOR REVIEW ONLY

* NOT AN ACTUAL SURVEY *

THIS PLOT PLAN WAS DRAWN FROM EXISTING PLATS AND/OR DEEDS AND A FULL SURVEY WAS NOT PERFORMED AT THIS TIME. ACREAGES AND DISTANCES ARE SUBJECT TO AN ACTUAL SURVEY. A FULL TITLE SEARCH HAS NOT BEEN PERFORMED.

NAD83 - 2011

REFERENCE:

BEING ALL OF LOT 42 - SALEM SPRINGS SUBDIVISION - AS RECORDED IN P.B. 78, PG. 128 - IREDELL COUNTY REGISTRY.

PROPERTY IS SUBJECT TO ANY AND ALL ZONING AND PLANNING ORDINANCES, EASEMENTS, RIGHTS-OF-WAY, AND RESTRICTIONS OF RECORD.

SETBACKS:

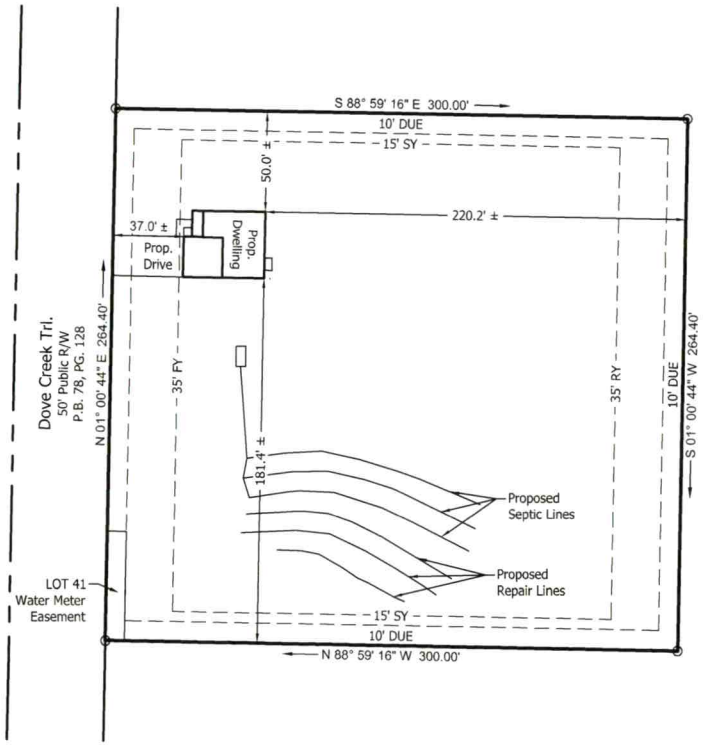
PROPERTY CURRENTLY ZONED: R-20 (IREDELL COUNTY)

PROPERTY SUBJECT TO A 35' FRONT YARD (FY), 15' SIDE YARD (SY), & 35' REAR YARD (RY) AS RECORDED IN P.B. 78, PG. 128.

PROPERTY IS SUBJECT TO A 10' DRAINAGE & UTILITY EASEMENT AROUND INSIDE PERIMETER OF LOT PER P.B. 78, PG. 128.

APPROXIMATE STRUCTURAL/IMPERVIOUS COVERAGE:

APPROXIMATE PROPERTY AREA: 79,320.00 SF, 1.821 AC.
PROPOSED DWELLING AREA: 1,380 SF, 0.032 AC.
PROPOSED DRIVE AREA: 791 SF, 0.018 AC.
APPROXIMATE STRUCTURAL COVERAGE: 1,380 SF, 0.032 AC, 1.74%
APPROXIMATE IMPERVIOUS COVERAGE: 2,171 SF, 0.050 AC, 2.74%



THE SUBJECT PROPERTY IS NOT IN A "SPECIAL HAZARD AREA" AS SHOWN ON HUD/FIA FLOOD INSURANCE RATE MAP COMMUNITY PANEL NUMBER 3710477400J EFFECTIVE DATE 3/18/2008.

0 60 120 180

LEGEND	
FY	FRONT YARD SETBACK
RY	REAR YARD SETBACK
SY	SIDE YARD SETBACK
R/W	RIGHT OF WAY
P.B.	PLAT BOOK
PG.	PAGE

JORDAN GRANT
ENGINEERING • SURVEYING • PLANNING
JORDAN GRANT & ASSOCIATES, PLLC
2117 SIMONTON RD, SUITE #202
STATESVILLE, NC 28625
MATT.GRANT@JORDAN-GRANT.COM
704-928-7919
FIRM # P-1227

PLOT PLAN FOR:

Helmsman Homes

DRAWN BY: JWE	CHECKED BY: MIG	SCALE: SCALE
PIN NO: 4774-08-8519		
DEED REF: DB 2846 - PG 830		
DATE OF MAP: 03-20-23	SURVEY DATE: 11-22-21	
REVISION:	DRAWING FILE: 20230355	

119 Dove Creek Trl, Statesville, NC 28625
Chambersburg TWSP - Iredell County - North Carolina

ICHD - ENVIRONMENTAL HEALTH DIVISION

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

PERMIT # OSWP-2023-18717

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SITE DIRECTIONS: | SAP CONTROLLED: YES ☐ NO ☑

SUBDIVISION: Salem Springs | SECTION: | LOT #: 42 | LOT AREA: 1.821 | DESIGN FLOW: 360 | L.T.A.R.: .25

Septic Tank: (gal) 1000	STB:	Date:	☑ New System ☐ Repair ☐ Expansion	System Type: III	☑ Residence	No. Bedrooms: 3	Water Supply: Other Public Water
Pump Tank: (gal) –	PT: –	Date: –	System Description: 25% Reduction		☐ Business	No. Persons: 6	
Pump Make: –	Model: –	Serial #: –	Repair System Description: LP-HPPBPS -50% Reduct		☐ Other	No. Employees:	
# Nitrification Fields: 1	# Lines: 3	Linear Ft.: 366	Maintenance Agreement Required: ☐ YES ☑ NO		☐ Slab	☑ Crawl Space	
Trench Width: 36in	Trench Bottom Depth (Low side): 30in		Gravel Depth: –	☑ GRAVITY ☐ PRESSURE	☐ Basement w/ Plumbing	☐ Basement w/o Plumbing	

Comments / Conditions:

INITIAL SITE SKETCH

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Soil + Forestry Services of the Carolinas, PA

LSS # 1231

AS BUILT SKETCH

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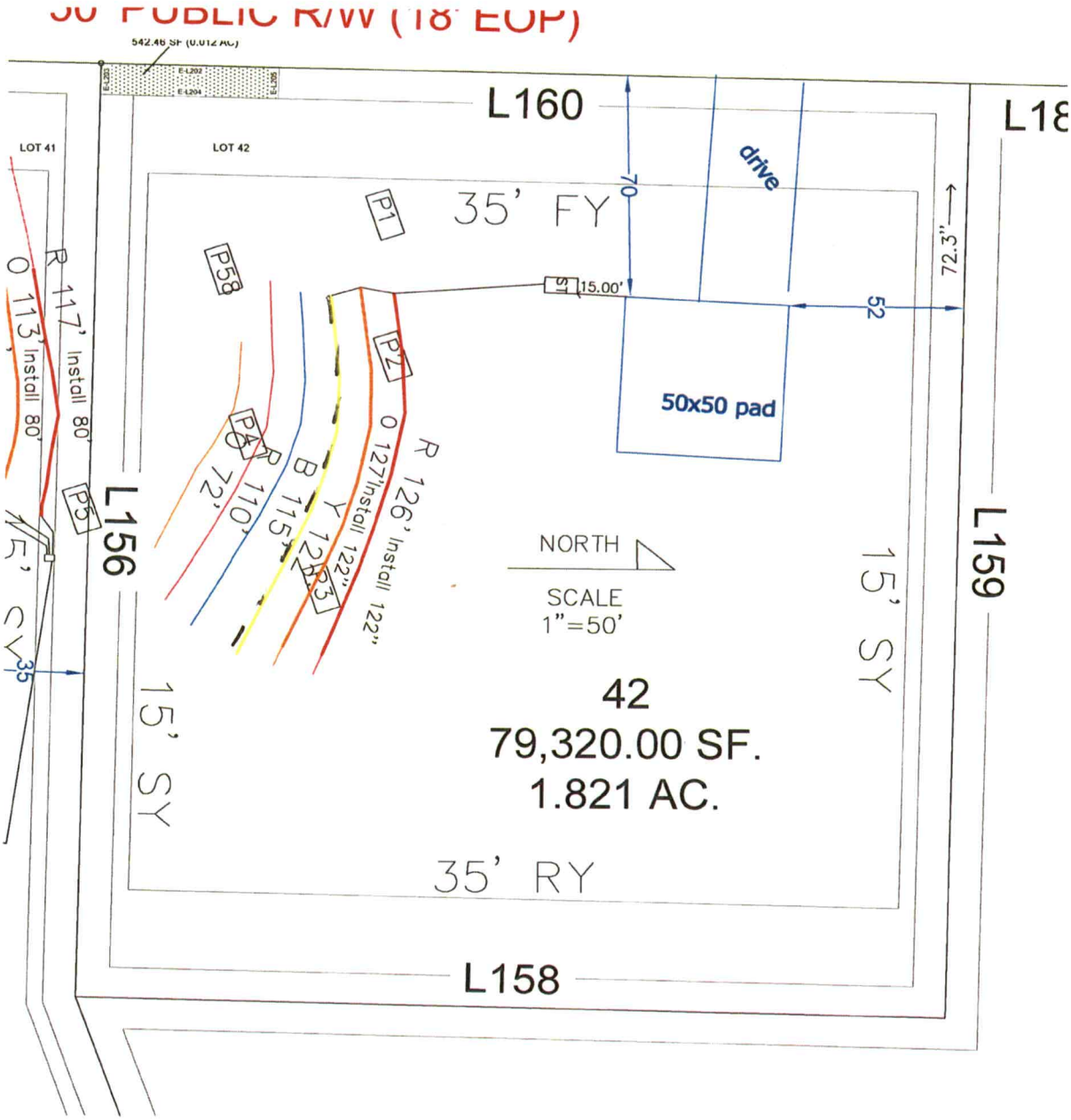
☐ IMPROVEMENT PERMIT with plat valid without expiration. ☑ IMPROVEMENT PERMIT with site plan valid for 60 mos. ☑ AUTHORIZATION TO CONSTRUCT valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.

Owner / Applicant Signature: | Date: | Installed By:

IMPROVEMENT PERMIT by: Benjamin A. Boffin | Date: 4-11-2023 | OPERATION PERMIT by: | Date:

AUTHORIZATION TO CONSTRUCT by: Benjamin A. Boffin | Date: 4-11-2023 | Existing System Inspected By: | Date:

FOR SEPTIC FINAL INSPECTION CALL: 704-664-3703 BETWEEN 8am-9am the day the inspection is needed.


30' PUBLIC R/W (18' EOP)
542.46 SF (0.012 AC)
L160
L18
LOT 41
LOT 42
35' FY
P1
P58
P5
P7
P4
P3
70
drive
72.3"
15.00'
52
50x50 pad
R 117' Install 80'
O 113' Install 80'
R 126' Install 122"
O 127' Install 122"
R 110'
B 115'
Y 123'
72'
L156
L159
NORTH
SCALE
1"=50'
15' SY
15' SY
35
42
79,320.00 SF.
1.821 AC.
35' RY
L158

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 DHHS, 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.
- Septic tank riser shall be a minimum of 6" above finished grade.
- System is specified as a gravity 25% reduction (Accepted) installation.
- Repair is specified as a HPPBPS installation w/low pressure distribution.

GRAVITY ACCEPTED SYSTEM
FOR WASTEWATER TREATMENT

Owner/Applicant: Salem Springs Development, LLC

Address: P.O. Box 3965
Mooresville, NC 28117
Phone: 704.202.1524
County: Iredell
Location: Salem Springs
Lot 42
Source of Wastewater Flow: 3 Bedroom Single Family Residence
Estimated Gallons Per Day Flow: 360
System Flow: N/A

Design Specifications

Drainfield Size: 366
Loading Rate (gpd/ft.^{2}): 0.25
Depth of Gravel in Trench: N/A
Gravel Size: N/A
Max.Trench Depth (LOW SIDE): 30 in. Repair Trench Bottom 20in.
Trench Width: 36 in.
Septic Tank Size: 1000

Estimated Supply Line Length: 46
Supply Line Diameter: 4 in. SCH 40 PVC
Supply Line Volume: 30.04
Dosing Volume: N/A
Supply Manifold: N/A
Supply Manifold Length: N/A
Supply Manifold Volume: N/A

Recommended Float Controls: N/A

Recommended Control Panel: N/A

Pressure Head: N/A
Friction Head: N/A
Elevation Head: N/A
Total Dynamic Head: N/A

Threaded Union: N/A
Gate Valves: N/A

Check Valves: N/A
Anti-Siphon Hole: N/A
Additional Comments: Soil suitability was performed by Soil & Forestry Services of the Carolinas, PA

Salem Springs

ACCEPTED SYSTEM

DESIGN FLOW (gpd):	360
SOIL APPLICATION RATE (gpd/ft.^{2}):	0.25
TOTAL AREA TRENCH BOTTOM:	1098
TOTAL LATERAL LENGTH:	366
NUMBER OF FIELDS:	1
LATERAL LENGTH REQUIRED PER FIELD:	360
SUPPLY LINE LENGTH:	74
TOTAL DYNAMIC HEAD:	N/A
MANIFOLD SIZE:	N/A
DOSING VOLUME:	N/A
PUMP TANK DRAW DOWN*:	N/A
SEPTIC TANK SIZE:	1000

Layout Specifications - - Salem Springs Lot 42

Project #: 21-0029

LAYOUT FOR 3 BEDROOM HOME

March 1, 2023

LINE #	FLAG COLOR	BS	HI	FS	ELEVATION	FLAGGED LINE LENGTH	DESIGN LINE LENGTH
TBM							
INSTR. 1							
1	***RED***					*126*	*122*
2	***ORANGE***					*127*	*122*
3	***YELLOW***					*122*	*122*
4	BLUE					115	115
5	RED					110	110
6	ORANGE					72	72
					Total	672	663

	LINE LENGTH	LTAR GPD/FT2	SYSTEM TYPE	SOIL LTAR GPD/FT2	TRENCH SYSTEM	DISTRIBUTION	LOW SIDE TRENCH DEPTH
****System***	***366***	***0.250***	***ACCEPT.***	***0.250***	***25% RED***	***GRAVITY***	30"
Repair	297	0.250	MOD CONV	0.250	HPPBPS	LOW PRESSURE	20"

Notes: **All measures in feet

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

**Nitrification lines were located by GPS and tape measure.

**Property corners & lines located by survey (Jordan Grant & Associates)

CALCULATIONS

Location	119 Dove Creek Trail Statesville, NC 28625	
Project Number	21-0029	
Lot No:	42	
No. of Bedrooms	3	
Design Flow	360	$^{gal}/_{day}$
LTAR	0.250	$^{gal}/_{ft^2\ day}$
PPBPS? (YES OR NO)	NO	
Supply Line Length	46	ft.
Supply Line Volume	30.038	gal.
Required Feet of Line	360	ft.
Amount of Line from Layout	366	ft.
Gallons per Minute	N/A	$^{gal}/_{min}$
Required Septic Tank Capacity	1000	gal.
Septic Tank Size	1000	gal.
Panel Volume	N/A	gal.
# of Panels	N/A	
Dosing Volume	N/A	gal.
Tank Draw Down	N/A	
Pump Run Time		
Elevation Head	N/A	ft.
Pressure Head	N/A	ft.
Friction Factor	N/A	ft./100 ft. *(From the interpolater.)*
Friction Head	N/A	ft.
Total Dynamic Head (+15%)	N/A	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

PROPERTY ID #: 4774089519
COUNTY: Iredell

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

OWNER: Salem Springs Development, LLC APPLICATION DATE
ADDRESS: P.O. Box 3965 Mooresville, NC 28117 DATE EVALUATED: 8/11/22
PROPOSED FACILITY: 3BR PROPOSED DESIGN FLOW (.1949): 360 GPD PROPERTY SIZE: 1.821 ac
LOCATION OF SITE: New Salem Lot 42 119 Dove Creek Trail Statesville NC 28625 PROPERTY RECORDED: Yes
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	.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%	0-10	BCLWFSBK	FRSSP	COMM FE DEPL 22 CHROM2 24	66			PS 0.1 DRIP
		10-66	BRCWMSBK/ABK	FRSSP					
2	L/5%	0-9	BCLWFSBK	FRSSP	FEW FE DEPL	70			PS 0.25-0.275
		9-20	RBCWMSBK	FRSSP					
		20-56	BRCWMSBK/ABK	FRSSP					
		56-70	RBCLWFSBK	FRSS	COM SAP/ WHITE LITHO				
3	L/3%	0-34	BRCWMSBK	FRSSP	FEW SAP	67			PS 0.3
		34-67	RBCLWFSBK	FRSS					
4	L/7%	0-12	BSCLWFSBK	FRSSP	FEW SAP	62			PS 0.275
		12-50	RBCWMSBK/ABK	FRSSP					
		50-62	RBCLWFSBK	FRSSSP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	Accepted	HPPBPS
Site LTAR	0.25	0.25

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: ASHLEY ROLLANS
OTHER(S) PRESENT: C. Wagner

COMMENTS:

SOIL/SITE EVALUATION

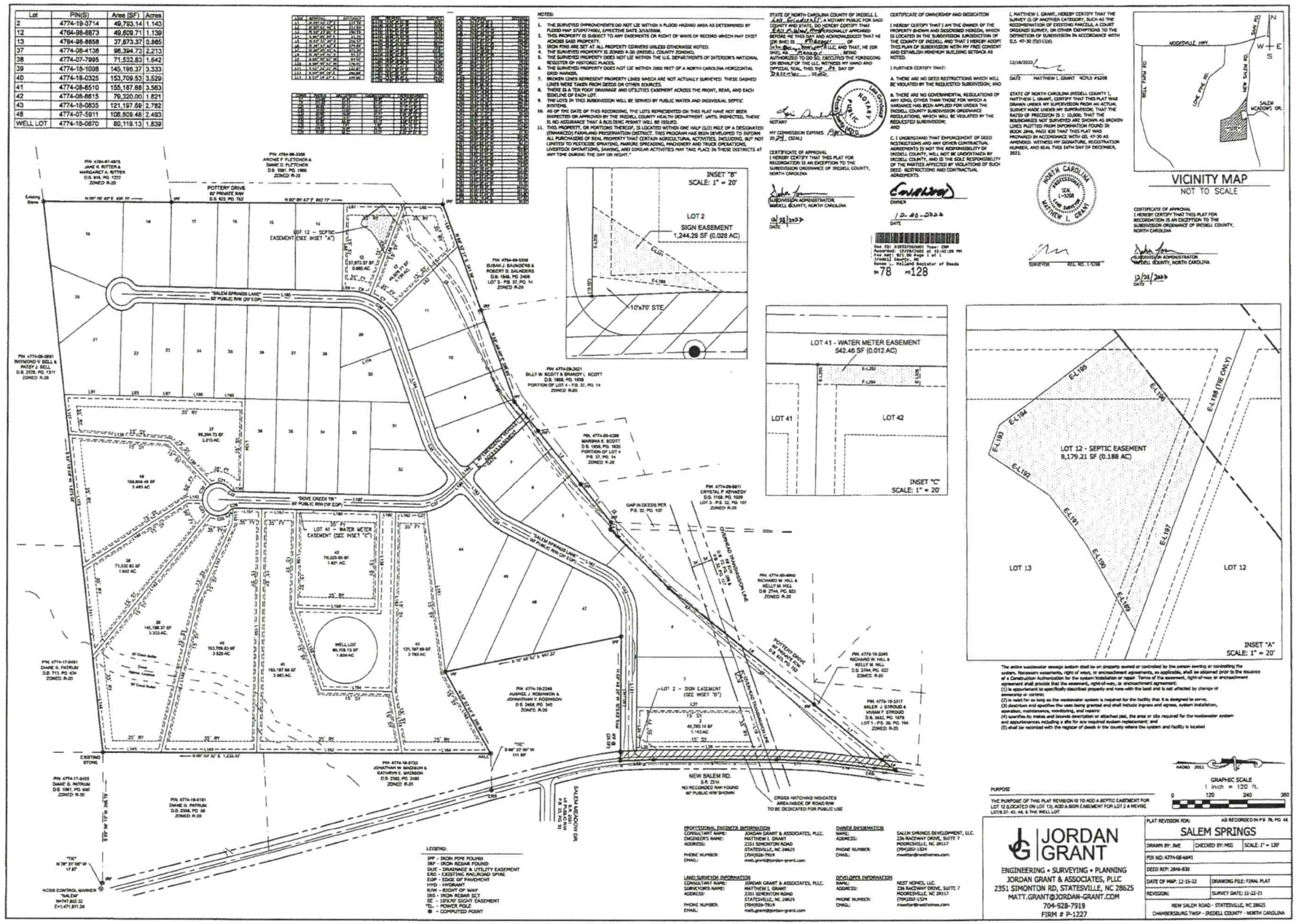
(Continuation Sheet-Complete all field in full)

PROPERTY ID #: 4774038519
DATE OF EVALUATION: 8/11/22
COUNTY: Iredell

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
5	L/7%	0-8	BCLWFSBK	FRSSSP	FEW SAP COMM TO MANY SAP	62			PS 0.25-0.275
		8-27	RBCWMSBK/ABK	FRSSP					
		27-62	RBCLWFSBK	FRSSSP					
P 58	2/4%	0-15	Bclwfsbk	Fr SSSP	- c Fe @ 38 - chr 2@ 39	44	-	-	PS-39 0.225
		15-44	RBcwmsbk/ABk	Fr S P					

LICENSED SOIL SCIENTIST
SAMUEL A. ROLLANS
1231
STATE OF NORTH CAROLINA

COMMENTS:


Lot | PIN(S) | Area (SF) | Acres
2 | 4774-19-3714 | 49,793.14 | 1.143
12 | 4764-98-8873 | 49,609.71 | 1.139
13 | 4764-98-8858 | 37,673.37 | 0.865
37 | 4774-08-4136 | 96,394.73 | 2.213
38 | 4774-07-7995 | 71,532.83 | 1.642
39 | 4774-18-1008 | 145,196.37 | 3.333
40 | 4774-18-0325 | 153,709.53 | 3.529
41 | 4774-08-8510 | 155,187.88 | 3.563
42 | 4774-08-8615 | 79,320.00 | 1.821
43 | 4774-18-0835 | 121,197.69 | 2.782
48 | 4774-07-5911 | 108,809.48 | 2.493
WELL LOT | 4774-18-0870 | 80,119.13 | 1.839
NOTES:
1. THE SURVEYED IMPROVEMENTS DO NOT LIE WITHIN A FLOOD HAZARD AREA AS DETERMINED BY FLOOD MAP 3710472700J, EFFECTIVE DATE 2/18/2006.
2. THIS PROPERTY IS SUBJECT TO ANY EASEMENTS OR RIGHT OF WAYS OF RECORD WHICH MAY EXIST ACROSS SAID PROPERTY.
3. IRON PINS ARE SET AT ALL PROPERTY CORNERS UNLESS OTHERWISE NOTED.
4. THE SURVEYED PROPERTY IS ZONED R-20 (IREDELL COUNTY ZONING).
5. THE SURVEYED PROPERTY DOES NOT LIE WITHIN THE U.S. DEPARTMENTS OF INTERIOR'S NATIONAL REGISTER OF HISTORIC PLACES.
6. THE SURVEYED PROPERTY DOES NOT LIE WITHIN 2000 FEET OF A NORTH CAROLINA HORIZONTAL GRID MARKER.
7. BROKEN LINES REPRESENT PROPERTY LINES WHICH ARE NOT ACTUALLY SURVEYED. THESE DASHED LINES WERE TAKEN FROM DEEDS OR OTHER SOURCES.
8. THERE IS A TEN FOOT DRAINAGE AND UTILITIES EASEMENT ACROSS THE FRONT, REAR, AND EACH SIDELINE OF EACH LOT.
9. THE LOTS IN THIS SUBDIVISION WILL BE SERVED BY PUBLIC WATER AND INDIVIDUAL SEPTIC SYSTEMS.
10. AS OF THE DATE OF THIS RECORDING, THE LOTS REPRESENTED ON THIS PLAT HAVE NOT BEEN INSPECTED OR APPROVED BY THE IREDELL COUNTY HEALTH DEPARTMENT. UNITS, INSPECTED, THERE IS NO ASSURANCE THAT A BUILDING PERMIT WILL BE ISSUED.
11. THIS PROPERTY, OR PORTIONS THEREOF, IS LOCATED WITHIN ONE HALF (1/2) MILE OF A DESIGNATED (ENHANCED) FARMLAND PRESERVATION DISTRICT. THIS PROGRAM HAS BEEN DEVELOPED TO INFORM ALL PURCHASERS OF REAL PROPERTY THAT CERTAIN AGRICULTURAL ACTIVITIES, INCLUDING, BUT NOT LIMITED TO PESTICIDE SPRAYING, MANURE SPREADING, MACHINERY AND TRUCK OPERATIONS, LIVESTOCK OPERATIONS, SAWING, AND SIMILAR ACTIVITIES MAY TAKE PLACE IN THESE DISTRICTS AT ANY TIME DURING THE DAY OR NIGHT.
STATE OF NORTH CAROLINA COUNTY OF IREDELL I, Lee Brickhouse, A NOTARY PUBLIC FOR SAID COUNTY AND STATE, DO HEREBY CERTIFY THAT Eric Chilton PERSONALLY APPEARED BEFORE ME THIS DAY AND ACKNOWLEDGED THAT HE (OR SHE) IS Manager OF Salem Springs, LLC AND THAT, HE (OR SHE), AS Manager BEING AUTHORIZED TO DO SO, EXECUTED THE FOREGOING ON BEHALF OF THE LLC. WITNESS MY HAND AND OFFICIAL SEAL, THIS THE 21 DAY OF December, 2022.
NOTARY
MY COMMISSION EXPIRES: 2/21/2026 (SEAL)
CERTIFICATE OF APPROVAL
I HEREBY CERTIFY THAT THIS PLAT FOR RECORDATION IS AN EXCEPTION TO THE SUBDIVISION ORDINANCE OF IREDELL COUNTY, NORTH CAROLINA
SUBDIVISION ADMINISTRATOR, IREDELL COUNTY, NORTH CAROLINA
12/28/2022 DATE
CERTIFICATE OF OWNERSHIP AND DEDICATION
I HEREBY CERTIFY THAT I AM THE OWNER OF THE PROPERTY SHOWN AND DESCRIBED HEREON, WHICH IS LOCATED IN THE SUBDIVISION JURISDICTION OF THE COUNTY OF IREDELL AND THAT I HEREBY ADOPT THIS PLAN OF SUBDIVISION WITH MY FREE CONSENT AND ESTABLISH MINIMUM BUILDING SETBACK AS NOTED.
I FURTHER CERTIFY THAT:
A. THERE ARE NO DEED RESTRICTIONS WHICH WILL BE VIOLATED BY THE REQUESTED SUBDIVISION; AND
B. THERE ARE NO GOVERNMENTAL REGULATIONS OF ANY KIND, OTHER THAN THOSE FOR WHICH A VARIANCE HAS BEEN APPLIED FOR UNDER THE IREDELL COUNTY SUBDIVISION ORDINANCE REGULATIONS, WHICH WILL BE VIOLATED BY THE REQUESTED SUBDIVISION; AND
C. I UNDERSTAND THAT ENFORCEMENT OF DEED RESTRICTIONS AND ANY OTHER CONTRACTUAL AGREEMENTS IS NOT THE RESPONSIBILITY OF IREDELL COUNTY, WILL NOT BE UNDERTAKEN BY IREDELL COUNTY, AND IS THE SOLE RESPONSIBILITY OF THE PARTIES AFFECTED BY VIOLATIONS OF SUCH DEED RESTRICTIONS AND CONTRACTUAL AGREEMENTS.
OWNER
12-28-2022 DATE
Doc ID: 018537050001 Type: CRP Recorded: 12/28/2022 at 12:42:28 PM Fee Amt: $21.00 Page 1 of 1 Iredell County, NC Renee L. Holland Register of Deeds
BK 78 PG 128
I, MATTHEW I. GRANT, HEREBY CERTIFY THAT THE SURVEY IS OF ANOTHER CATEGORY, SUCH AS THE RECOMBINATION OF EXISTING PARCELS, A COURT ORDERED SURVEY, OR OTHER EXEMPTIONS TO THE DEFINITION OF SUBDIVISION IN ACCORDANCE WITH G.S. 47-30 (f)(11)(d).
12/16/2022 DATE
MATTHEW I. GRANT NCPLS #5208
STATE OF NORTH CAROLINA IREDELL COUNTY I, MATTHEW I. GRANT, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY SUPERVISION FROM AN ACTUAL SURVEY MADE UNDER MY SUPERVISION; THAT THE RATIO OF PRECISION IS 1: 10,000; THAT THE BOUNDARIES NOT SURVEYED ARE SHOWN AS BROKEN LINES PLOTTED FROM INFORMATION FOUND IN BOOK 2846, PAGE 830 THAT THIS PLAT WAS PREPARED IN ACCORDANCE WITH GS. 47-30 AS AMENDED. WITNESS MY SIGNATURE, REGISTRATION NUMBER, AND SEAL THIS 16TH DAY OF DECEMBER, 2022.
SURVEYOR REG. NO.: L-5208
VICINITY MAP
NOT TO SCALE
CERTIFICATE OF APPROVAL
I HEREBY CERTIFY THAT THIS PLAT FOR RECORDATION IS AN EXCEPTION TO THE SUBDIVISION ORDINANCE OF IREDELL COUNTY, NORTH CAROLINA
SUBDIVISION ADMINISTRATOR, IREDELL COUNTY, NORTH CAROLINA
12/28/2022 DATE
INSET "B" SCALE: 1" = 20'
LOT 2 SIGN EASEMENT 1,244.29 SF (0.028 AC)
10'x70' STE
LOT 41 - WATER METER EASEMENT 542.46 SF (0.012 AC)
LOT 41
LOT 42
INSET "C" SCALE: 1" = 20'
LOT 12 - SEPTIC EASEMENT 8,179.21 SF (0.188 AC)
LOT 13
LOT 12
INSET "A" SCALE: 1" = 20'
"The entire wastewater sewage system shall be on property owned or controlled by the person owning or controlling the system. Necessary easements, right of ways, or encroachment agreements, as applicable, shall be obtained prior to the issuance of a Construction Authorization for the system installation or repair. Terms of the easement, right-of-way or encroachment agreement shall provide that the easement, right-of-way, or encroachment agreement:
(1) Is appurtenant to specifically described property and runs with the land and is not affected by change of ownership or control;
(2) Is valid for as long as the wastewater system is required for the facility that it is designed to serve;
(3) describes and specifies the uses being granted and shall include ingress and egress, system installation, operation, maintenance, monitoring, and repairs
(4) specifies by metes and bounds description or attached plat, the area or site required for the wastewater system and appurtenances including a site for any required system replacement; and
(5) shall be recorded with the register of deeds in the county where the system and facility is located.
PIN 4784-87-4875 JAKE K. RITTER & MARGARET A. RITTER D.B. 918, PG. 1220 ZONED: R-20
PIN 4784-98-3308 ARCHIE F. FLETCHER & DIANE D. FLETCHER D.B. 3067, PG. 1868 ZONED: R-20
POTTERY DRIVE 50' PRIVATE R/W D.B. 923, PG. 752
LOT 12 - SEPTIC EASEMENT (SEE INSET "A")
"SALEM SPRINGS LANE" 50' PUBLIC R/W (50' ESMT)
PIN 4784-88-5308 SUSAN J. SAUNDERS & ROBERT B. SAUNDERS D.B. 1548, PG. 2409 LOT 3 - P.B. 37, PG. 14 ZONED: R-20
PIN 4774-08-0891 RAYMOND V. BELL & PATSY J. BELL D.B. 2578, PG. 1311 ZONED: R-20
PIN 4774-08-2621 BILLY W. SCOTT & JUDY L. SCOTT D.B. 1868, PG. 1838 PORTION OF LOT 4 - P.B. 37, PG. 14 ZONED: R-20
PIN 4774-09-4389 MARSHA K. SCOTT D.B. 1858, PG. 1835 PORTION OF LOT 4 - P.B. 37, PG. 14 ZONED: R-20
"DOVE CREEK TR" 50' PUBLIC R/W (50' ESMT)
LOT 41 - WATER METER EASEMENT (SEE INSET "C")
WELL LOT 80,119.13 SF 1.839 AC
PIN 4774-09-5811 CRYSTAL P. KENNEDY D.B. 1158, PG. 1026 LOT 3 - P.B. 32, PG. 187 ZONED: R-20
GAP IN DEEDS PER P.B. 32, PG. 137
PIN 4774-08-8990 RICHARD W. HILL & KELLY M. HILL D.B. 2744, PG. 822 ZONED: R-20
PIN 4774-10-3248 RICHARD W. HILL & KELLY M. HILL D.B. 2744, PG. 822 ZONED: R-20
PIN 4774-19-3217 SHILEN J. STROUD & VIVIAN T. STROUD D.B. 2662, PG. 1878 LOT 1 - P.B. 28, PG. 194 ZONED: R-20
LOT 2 - SIGN EASEMENT (SEE INSET "B")
49,793.14 SF 1.143 AC
PIN 4774-17-0481 DIANE G. PATRUM D.B. 713, PG. 434 ZONED: R-20
PIN 4774-18-2248 AUBREY J. ROBINSON & JOHNATHAN V. ROBINSON D.B. 2658, PG. 340 ZONED: R-20
PIN 4774-17-6455 DIANE G. PATRUM D.B. 1061, PG. 898 ZONED: R-20
PIN 4774-18-0191 DIANE G. PATRUM D.B. 2556, PG. 58 ZONED: R-20
PIN 4774-18-5723 JONATHAN W. MADISON & KATHRYN E. MADISON D.B. 2382, PG. 2488 ZONED: R-20
EXISTING STONE
NEW SALEM RD. S.R. 2514 NO RECORDED R/W FOUND 60' PUBLIC R/W SHOWN
CROSS HATCHING INDICATES AREA INSIDE OF ROAD R/W TO BE DEDICATED FOR PUBLIC USE
SALEM MEADOW DR. 50' PUBLIC R/W
NCGS CONTROL MARKER "SALEM" N=747,862.32 E=1,471,811.26
LEGEND:
IPF - IRON PIPE FOUND
IRF - IRON REBAR FOUND
DUE - DRAINAGE & UTILITY EASEMENT
ERS - EXISTING RAILROAD SPIKE
EOP - EDGE OF PAVEMENT
HYD - HYDRANT
R/W - RIGHT OF WAY
SRS - IRON REBAR SET
SE - 10'X70' SIGHT EASEMENT
PP - POWER POLE
● - COMPUTED POINT
PROFESSIONAL ENGINEER INFORMATION
CONSULTANT NAME: JORDAN GRANT & ASSOCIATES, PLLC.
ENGINEER'S NAME: MATTHEW I. GRANT
ADDRESS: 2351 SIMONTON ROAD STATESVILLE, NC 28625
PHONE NUMBER: (704)928-7919
EMAIL: matt.grant@jordan-grant.com
LAND SURVEYOR INFORMATION
CONSULTANT NAME: JORDAN GRANT & ASSOCIATES, PLLC.
SURVEYOR'S NAME: MATTHEW I. GRANT
ADDRESS: 2351 SIMONTON ROAD STATESVILLE, NC 28625
PHONE NUMBER: (704)928-7919
EMAIL: matt.grant@jordan-grant.com
OWNER INFORMATION
NAME: SALEM SPRINGS DEVELOPMENT, LLC.
ADDRESS: 236 RACEWAY DRIVE, SUITE 7 MOORESVILLE, NC 28117
PHONE NUMBER: (704)202-1524
EMAIL: rtwatter@nestHomes.com
DEVELOPER INFORMATION
NAME: NEST HOMES, LLC.
ADDRESS: 236 RACEWAY DRIVE, SUITE 7 MOORESVILLE, NC 28117
PHONE NUMBER: (704)202-1524
EMAIL: rtwatter@nestHomes.com
PURPOSE
THE PURPOSE OF THIS PLAT REVISION IS TO ADD A SEPTIC EASEMENT FOR LOT 12 (LOCATED ON LOT 13), ADD A SIGN EASEMENT FOR LOT 2 & REVISE LOTS 37- 43, 48, & THE WELL LOT.
NAD83 2011
GRAPHIC SCALE 1 inch = 120 ft.
0 120 240 360
JORDAN GRANT
ENGINEERING • SURVEYING • PLANNING
JORDAN GRANT & ASSOCIATES, PLLC
2351 SIMONTON RD, STATESVILLE, NC 28625
MATT.GRANT@JORDAN-GRANT.COM
704-528-7919
FIRM # P-1227
PLAT REVISION FOR: AS RECORDED IN P.B. 78, PG. 48
SALEM SPRINGS
DRAWN BY: JME CHECKED BY: MIG SCALE: 1" = 120'
PIN NO: 4774-08-6641
DEED REF: 2846-830
DATE OF MAP: 12-16-22 DRAWING FILE: FINAL PLAT
REVISION: SURVEY DATE: 11-22-21
NEW SALEM ROAD - STATESVILLE, NC 28625
CHAMBERSBURG TWSP - IREDELL COUNTY - NORTH CAROLINA

County: Iredell

This Section for Local Health Department Use Only

Initial submittal received: 3-30-2023 (Date) by BB (Initials)

Permit Number: OSWP-2023-18717

G.S. 130A-335(a4) states the following: *'If a local health department fails to act on an application for an improvement permit submitted pursuant to subsection (a3) of the section within 10 business days of receipt of a complete application, the local health department shall issue the improvement permit.'*

In accordance with G.S. 130A-335(a3) the improvement permit application is:

☐ Incomplete (If box is checked, information in this section is required.)

The following items are missing:

Copies of this were sent to the LSS and the Owner on _____ (Date)

State Authorized Agent: _____ Date: _____

☐ Denied (See attached report.)

Copies of this were sent to the LSS and the Owner on _____ (Date)

State Authorized Agent: _____ Date: _____

☑ Complete

State Authorized Agent: Benjamin A Batten Date of Issuance: 4-11-2023

This Improvement Permit is issued pursuant to G.S. 130A-335 (a2), (a3), and (a4) using the signed and sealed LSS/LG evaluation(s) attached here. The issuance of this permit by the Health Department in no way guarantees the issuance of other permits. The permit holder is responsible for checking with appropriate governing bodies in meeting their requirements. This site is subject to revocation if the site plan, plat, or the intended use changes, or if information submitted in the application was falsified, inaccurate or misleading. The Improvement Permit shall not be affected by a change in ownership of the site. This permit is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to conditions of this permit. The location and identification of all property lines, easements, water lines, and other appropriate utilities shall be the responsibility of the owner.

The Department, the Department's authorized agents, and the local health departments shall be discharged and released from any liabilities, duties, and responsibilities imposed by statute or in common law from any claim arising out of or attributed to evaluations, submittals, or actions from a licensed soil scientist or licensed geologist pursuant to GS 130A-335(a2).

Improvement Permit Expiration Date: 4-11-2028

See attached site sketch

County: Iredell

This Section for Local Health Department Use Only

Initial submittal received: 3-30-2023 (Date) by BB (Initials)

Permit Number: OSWP-2023-18717

G.S. 130A-335(a6) states the following: *'If a local health department fails to act on an application for a construction authorization submitted pursuant to subsection (a5) of the section within 10 business days of receipt of a complete application, the local health department shall issue the construction authorization.'*

In accordance with G.S. 130A-335(a5) the construction authorization application is:

☐ Incomplete (If box is checked, information in this section is required.)

The following items are missing: _____

_____

Copies of this were sent to the AOWE/PE and the Owner on _____ (Date)

State Authorized Agent: _____ Date: _____

☐ Denied (See attached report.)

Copies of this were sent to the AOWE/PE and the Owner on _____ (Date)

State Authorized Agent: _____ Date: _____

☑ Complete

State Authorized Agent: Benjamin A Batts Date of Issuance: 4-11-2023

This Construction Authorization is issued pursuant to G.S. 130A-335(a2), (a5), and (a6) using the signed and sealed plans or evaluations attached here. This Construction Authorization is subject to revocation if the site plan, plat, or the intended use changes, or if information submitted in the application was falsified, inaccurate or misleading. The Construction Authorization shall not be affected by a change in ownership of the site. This Construction Authorization is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to the conditions of this permit. The location and identification of all property lines, easements, water lines, and other appropriate utilities shall be the responsibility of the owner. Final landscaping shall be constructed to divert water and establish vegetative cover.

The Department, the Department's authorized agents, and the local health departments shall be discharged and released from any liabilities, duties, and responsibilities imposed by statute or in common law from any claim arising out of or attributed to plans, evaluations, preconstruction conference findings, submittals, or actions from a person licensed pursuant to Chapter 89C of the General Statutes as a licensed engineer or a person certified pursuant to Article 5 of Chapter 90A of the General Statutes as an Authorized On-Site Wastewater Evaluator in GS 130A-335(a2), (a5), and (a7). The Department, the Department's authorized agents, and the local health departments shall be responsible and bear liability for their actions and evaluations and other obligations under State law or rule, including the issuance of the operations permit pursuant to GS 130A-337.

Construction Authorization Expiration Date: 4-11-2028

See attached site sketch

County: Iredell

IMPROVEMENT PERMIT FOR G.S. 130A-335(a2)/SL2022-11

PIN/Lot Identifier: 4774088519

Issued To: Salem Springs Development LLC

Property Location: 119 Dove Creek Trail, Statesville NC 28625

Subdivision: Salem Springs Lot #: 42 Block: _____ Section: _____

LSS Report Provided: Yes ☒ No ☐

If yes, name and license number of LSS: Samuel Ashley Rollins #1231

New ☒ Repair ☐ Expansion ☐ System Relocation ☐

Proposed Structure: Single Family Residence

Proposed Wastewater System Type: Accept. 25% (Initial) HPP BPS (Repair)

Fill System: ☐ Yes ☒ No If yes, specify: ☐ New ☐ Existing (when adding more than 6 inches of fill to system area please provide a fill plan)

Proposed Design Daily Flow: 360 GPD Proposed LTAR (Initial): 0.25 Proposed LTAR (Repair): 0.25

Design Wastewater Strength: ☒ domestic ☐ high strength ☐ industrial process

Number of bedrooms: 3 Number of Occupants: 6 Other: _____

Pump Required: ☐ Yes ☒ No ☐ May be required based upon final location and elevations of facilities

Artificial Drainage Required: ☐ Yes ☒ No If yes, please specify details: _____

Type of Water Supply: ☐ Private well ☐ Public well ☒ Municipal Supply ☐ Spring ☐ Other: _____

Drainfield location meets requirements of Rule .1945: Yes ☒ No ☐

Drainfield location meets requirements of Rule .1950: Yes ☒ No ☐

Permit valid for: ☒ Five years [site plan submitted pursuant to GS 130A-334(13a)] ☐ No expiration [plat submitted pursuant to GS 130A-334(7a)]

Permit conditions:

See Design

Licensed Soil Scientist Print Name: Samuel Ashley Rollins

Licensed Soil Scientist Signature: Samuel A Rollins Date: 3/1/23

The LSS evaluation is being submitted pursuant to and meets the requirements of G.S. 130A-335(a2).

See attached site sketch

County: Iredell

CONSTRUCTION AUTHORIZATION FOR G.S. 130A-335(a2)/SL2022-11

PIN/Lot Identifier: 4774088519

Issued To: Salem Springs Development LLC

Property Location: 119 Dave creek trail, Statesville NC 28625

AOWE/PE Plans/Evaluations Provided: Yes ☒ No ☐ If yes, name and license number of AOWE/PE: Samuel Ashley Rollans 10027-E

Facility Type: Single Family Residence

☒ New ☐ Expansion ☐ Repair ☐ System Relocation

Basement? ☐ Yes ☒ No Basement Fixtures? ☐ Yes ☒ No

Type of Wastewater System** Accept. 25% (Initial) HPPBS (Repair)

Design Daily Flow: 360 GPD Wastewater Strength: ☒ domestic ☐ high strength ☐ industrial process

Session Law 2014-120 Section 53, Engineering Design Utilizing Low-flow Fixtures and Low-flow Technologies? ☐ Yes ☒ No

Installation Requirements/Conditions

Septic Tank Size: 1000 gallons Total Trench/Bed Length: 366 feet Trench/Bed Spacing: 9 feet on center

Drainfield square footage: 1098 Trench/Bed Width: 36 inches LTAR: 0.25 gpd/ft²

Soil Cover: 6 inches min Slope Adjusted Maximum Trench/Bed Depth: 30 inches (LOW SIDE)

Aggregate Depth: _____ inches above pipe _____ inches below pipe _____ inches total

Pump Tank Size (if applicable): _____ gallons Requires more than 1 pump? ☐ Yes ☐ No

Pump Requirements: _____ ft. TDH vs. _____ GPM Grease Trap Size (if applicable): _____ gallons

Distribution Method: ☒ Serial ☐ D-Box or Parallel ☐ Pressure Manifold(s) ☐ LPP ☐ Other: _____

Artificial Drainage Required: Yes ☐ No ☒ If yes, please specify details: _____

Legal Agreements *(If the answer is "Yes" to any type of legal agreements, please attach a copy of the agreement.)*

Multi-party Agreement Required [.1937(h)]: ☐ Yes ☒ No

Easement, Right-of-Way, or Encroachment Agreement Required [.1938(j)]: ☐ Yes ☒ No

Declaration of Restrictive Covenants: ☐ Yes ☒ No

****If applicable:**

I understand the system type specified is different from the type specified on the application. I accept the specifications of this permit.

Owner/Legal Representative Print Name: _____

Owner/Legal Representative Signature: _____ Date: _____

Pre-Construction Conference Required: Yes ☐ No ☒

Conditions: See Design

The construction and installation requirements of Rules .1950, .1952, .1954, .1955, .1956, .1957, .1958, and .1959 are incorporated by reference into this permit and shall be met. Systems shall be installed in accordance with the attached system layout.

AOWE/PE Print Name: Samuel Ashley Rollans

AOWE/PE Signature: Samuel A Rollans Date: 3/1/23

This AOWE/PE submittal is pursuant to and meets the requirements of G.S. 130A-335(a2) and (a5).

See attached site sketch

PUBLIC ONSITE WASTEWATER EVALUATOR Certification Number 10027E

SOIL & FORESTRY SERVICES
OF THE CAROLINAS, PA

www.soilandforestryservices.com

Project#: 21-0029
March 1st, 2023

SALEM SPRINGS DEVELOPMENT, LLC
Attn: *Paul Penninger*
Email: ppenninger@nesthomes.com

RE: Soil & Site Evaluation for a 3 Bedroom Residence on Lot 42 Salem Springs Subdivision, 1.821ac Parcel, PIN# 4774088519, 119 Dove Creek Trail, Statesville, NC 28625.

Mr. Penninger:

At your request Soil & Forestry Services of the Carolinas (S&FS) has performed soil/site evaluations on parcel noted above. The Lot size is noted on the attached survey map & soil evaluation form. The purpose of our work was to identify soil areas with potential to support subsurface wastewater disposal systems and provide design details for Session Law submittal to Iredell County Health Department.

Site Conditions

At the time of our evaluation land cover on the property was mostly open. Topography within the evaluated area was gentle slope near the house site and proposed drainfield area. Property lines and corners were marked at the time of the evaluation by Jordan Grant & Associates Land Surveying. The client provided an Autocad File of a survey as a basemap. The proposed septic layout was located via Trimble Submeter GPS/tape measures and used to produce the attached *Site Plan*. The house envelope was located via Autocad.

Methodology

We evaluated soil areas through the use of backhoe pits. Soil morphological conditions including color, texture, structure, etc. were reviewed in the field with six pit locations on the property flagged and located via GPS. Three of the six backhoe pits are located in the proposed septic layout. Soil suitability was determined by referencing 15A NCAC 18A.1900 "Laws and Rules for Sewage Treatment and Disposal Systems". *Soil & Site Evaluation Forms* were utilized to record the soil morphological data for each pit. The house envelope was located via Autocad. An on-ground layout of system and repair was performed using a laser level. Pin flag locations of the layout were also located by GPS and tape measures. Detailed system & repair information is summarized in the following paragraph for this Lot.

119 Dove Creek Trail Lot 42 (*See Attached Design*)
The septic layout for this lot (9' centers) yielded a total of 672 linear feet of line. The primary system is proposed as 366 linear feet of Accepted (25% Reduction) drainfield with gravity distribution. Trench depth (Low Side) is specified at 30 inches. The repair system is proposed as 240 linear feet of Mod. Conv. (HPPBPS) drainfield with low pressure distribution. There is 297linear feet available for repair. Trench depth (Low Side) is specified at 20 inches.

Session Law Requirements

All information needed to issue the IP must be submitted with the application. The application shall include all information described in 15A NCAC 18A .1937(d) and be accompanied by a signed and dated statement from the applicant (owner or owner's legal representative) that reads as follows:

"The LSS/LG evaluation(s) attached to this application is to be used to issue an Improvement Permit in accordance with G.S. 130A-335(a2) and (a3)."

Owner Date

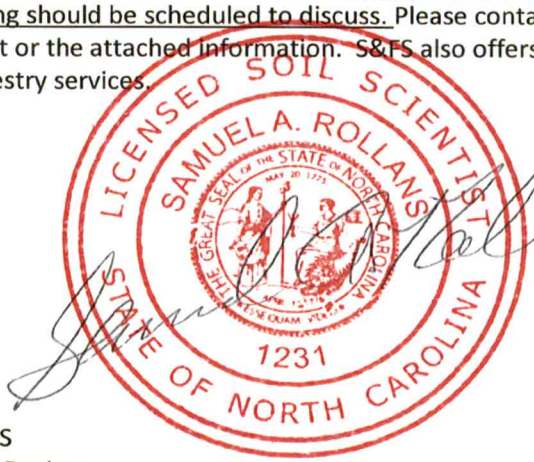
Print Name Tim Carr
Signature Tim Carr 3-9-23

The LSS evaluation shall include a statement bearing the LSS seal and signature that reads as follows:

"The LSS evaluation is being submitted pursuant to and meets the requirements of G.S. 130A-335(a2)."

Disclaimer
This report reflects the findings of S&FS, PA. *This LSS evaluation is being submitted pursuant to and meets the requirements of G.S. 130A-335(a2)."* Any site modifications that impact the proposed septic areas on the site may nullify this design for 119 Dove Creek Trail, Statesville NC, 28625. System design requirements and site requirements shall be adhered to for installation and Operations Permits to be issued by the local Health Department. If you have questions regarding these requirements a Pre-Construction meeting should be scheduled to discuss. Please contact S&FS if you have any questions regarding this report or the attached information. S&FS also offers septic system inspection, wetland delineation and forestry services.

Sincerely,



S. Ashley Rollans, LSS
Attachment: *Septic Design*

SOIL & FORESTRY SERVICES
OF THE CAROLINAS, PA

www.soilandforestryservices.com

Attached is a proposed design for an Accepted Septic System with gravity dist. for a 3 bedroom single family residence on 119 Dove Creek Trail Statesville 28625, Iredell County, NC. PIN#: 4774088519

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

Site Plan/System Plan---------- 5

Calculations---------- 6

Profile Descriptions---------- 7-8

Application---------- ONLINE

Green Sheet---------- ONLINE

Agent Authorization Form---------- ONLINE

Improvements Permit Form---------- 9

Construction Authorization Form---------- 10

Subdivision Plat---------- 10

LICENSED SOIL SCIENTIST
SAMUEL A. ROLLANS
1231
STATE OF NORTH CAROLINA

March 1, 2023
Project #: 21-0029
Design By: Soil & Forestry Services of the Carolinas, PA