CW 3:04

BLDR-2023-22241

ICHD - ENVIRONMENTAL HEALTH DIVISION

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

PERMIT # OSWP-2022-12433

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

PIN # 4775-91-6945-

APPLICANT / OWNER: SOIL AND FORESTRY SERVICES | APPLICANT ADDRESS: 126 3rd Creek Rd, Statesville, NC 28677

SITE ADDRESS: 103 WOODSTONE LN, STATESVILLE, NC 28625 | PHONE: (980) 223-8352 | ALT. PHONE:

SITE DIRECTIONS: Corner of Bear Oak + Elmwood. | SAP CONTROLLED: YES ☐ NO ☒

SUBDIVISION: WOODSTONE | SECTION: | LOT #: 1 | LOT AREA: | DESIGN FLOW: 360 | L.T.A.R.: .25

Septic Tank: (gal) 1000	STB: 760	Date: 5/23/2023	☑ New System ☐ Repair ☐ Expansion	System Type: III	☑ Residence	No. Bedrooms: 3	Water Supply: Other / Public Water
Pump Tank: (gal) 1000	PT: 363	Date: 6/5/2023	System Description: PPBPS - PM		☐ Business	No. Persons: 6	
Pump Make:	Model:	Serial #:	Repair System Description: PPBPS		☐ Other	No. Employees:	
# Nitrification Fields 1	# Lines: 4	Linear Ft.: 240	Maintenance Agreement Required: ☐ YES ☑ NO		☑ Slab	☐ Crawl Space	
Trench Width: 24in	Trench Bottom Depth (Low side): 30 in		Gravel Depth:	☐ GRAVITY ☑ PRESSURE	☐ Basement w/ Plumbing	☐ Basement w/o Plumbing	

Comments / Conditions: Design to Be Determined Prior to A/C

INITIAL SITE SKETCH

This permit is issued pursuant to G.S. 130A-335 (a2) (a3) + (a4) w/ the signed + Sealed LSS/LG Evaluation attached here

From:
Soil + Forestry Services of the Carolinas PA
LSS # 1231

4-12-23
See attached ICHD design with Highlights
use (4) 1/2 Sch 40 Taps @ 7.11gpm = Flow Rate (28.44gpm)
use 56 panels = 200 gallon Dose = 9.5 inch Drawdown
7.03 min pump Run time.

AS BUILT SKETCH

Lines ✓ 6/29/2023
7/12/23 - Pumps Checked - Need Supply Line + Filter
7/26/23 - Floats - Alarm - Electrical.
Need Tar Seal - 8/31 ✓

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: _____ Installed By: Frye Grading + Septic

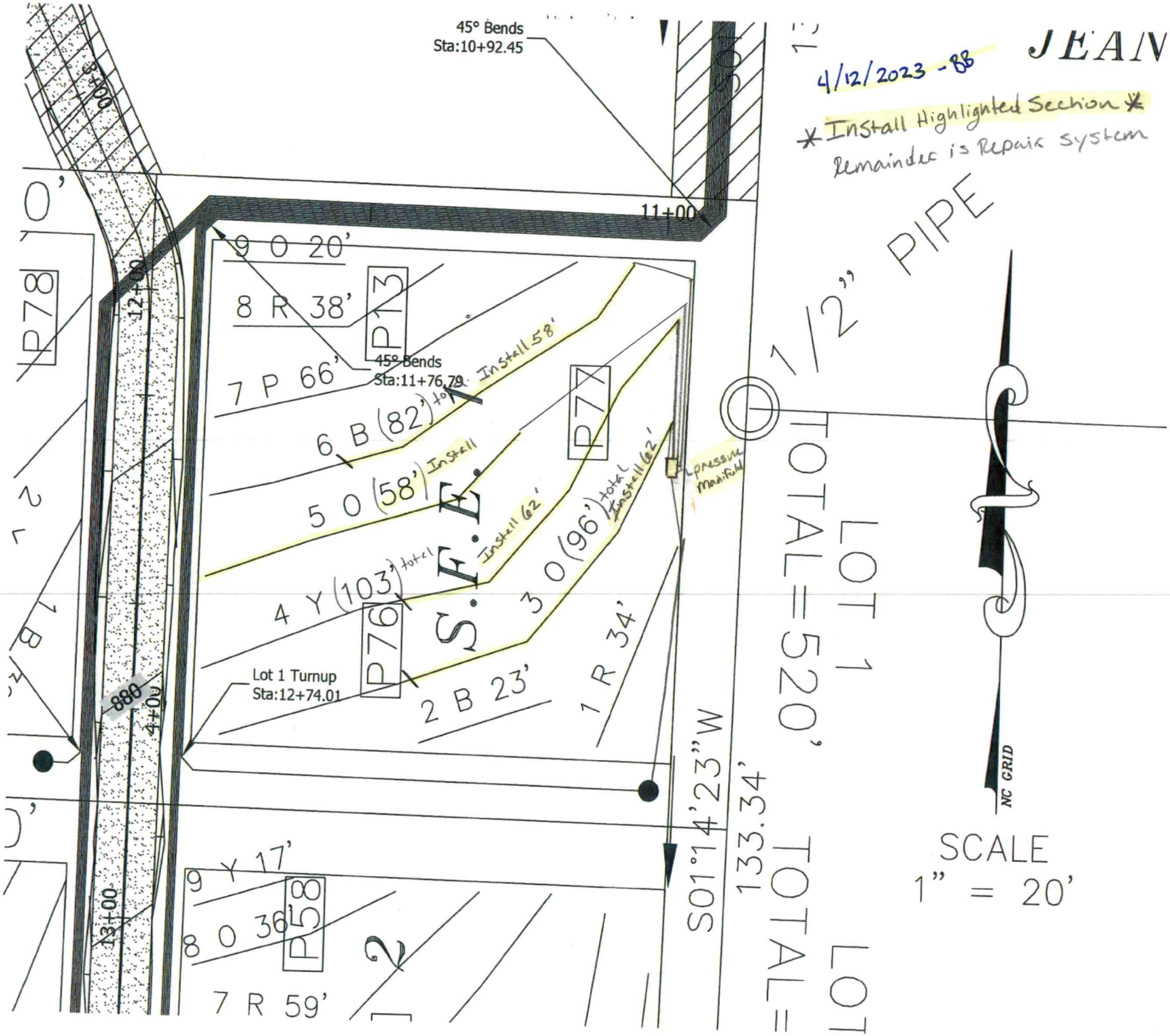
IMPROVEMENT PERMIT by: Benjamin A Baker Date: 1-19-2023 OPERATION PERMIT by: Brian A Baker Date: 8-1-2023.

AUTHORIZATION TO CONSTRUCT by: Benjamin A Baker Date: 4-12-2023. Existing System Inspected By: _____ Date: _____

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

4/12/2023
BB

4-14-2023
BB


45° Bends
Sta:10+92.45
4/12/2023 - BB
JEAN
Install Highlighted Section
Remainder is Repair system
11+00
12+00
13+00
4+00
880
9 O 20'
8 R 38'
P13
7 P 66'
45° Bends
Sta:11+76.79
Install 58'
6 B (82') total
Install
5 O (58')
P77
4 Y (103') total
Install 62'
S.F.E.
3 O (96') total
Install 62'
Pressure Manifold
P76
Lot 1 Turnup
Sta:12+74.01
2 B 23'
1 R 34'
P78
P58
9 Y 17'
8 O 36'
7 R 59'
2
1
S01°14'23"W
133.34'
TOTAL=520'
LOT 1
TOTAL=
LOT
1/2" PIPE
NC GRID
SCALE
1" = 20'

County: Iredell

This Section for Local Health Department Use Only

Initial submittal received: 1/19/23 (Date) by BB. (Initials)

Permit Number: OSWP-2022-1243

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 H Bott Date of Issuance: 1/19/23

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: 1/19/2028

See attached site sketch

SOIL & FORESTRY SERVICES
OF THE CAROLINAS, PA

www.soilandforestryservices.com

Project#: 21-0018
November29th, 2022

K + T Properties V, LLC
Attn: *Pete Denicola*
Email: pete@peconicbayhomes.com

RE: Soil & Site Evaluation for a 3 Bedroom Residence on Lot 1 Proposed (Septic Field Easement) Barry Oak Subdivision, 0.23 ac Parcel, PIN# 4775904821, Barry Oak Road, Statesville, NC 28625.

Mr. Denicola:

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 in a table 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 cleared. Topography within the evaluated area was gently slope in the proposed septic field easement. Property lines and corners were marked at the time of the evaluation by Don Allen & Associates. The surveyor provided an Autocad File of a survey as a basemap. The proposed septic layout was located by the surveyor and used to produce the attached *Site Plan*. **The engineer (Piedmont Design & Associates) will be providing all information for the offsite innovative approval for design purposes to Iredell County Health Department.**

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 three backhoe pits on the property flagged and located via GPS. All of the three backhoe pits are located in or adjacent to 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. An on-ground layout of system and repair was performed using a laser level. Pin flag locations of the layout were located via GPS andtape measures. Detailed system & repair information is summarized in the following paragraph for this Easement.

Barry Oak Subdivision Lot 1 Septic Field Easement Proposed (*See Attached Design*)
The septic layout for this lot (9' centers) yielded a total of 520 linear feet of line. LTAR is 0.25gpd/sf. The primary system is proposed as 240 linear feet of Modified Conventional (PPBPS) drainfield with low pressure distribution. Trench depth (LOW SIDE) is specified at 30 inches. The repair system is proposed as 240 linear feet of Modified Conventional (PPBPS) drainfield with low pressure distribution. Trench depth (LOW SIDE) is specified at 30 inches. There is 280 linear feet available for repair.

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 Peter DeNicola
Signature

12/22/22

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

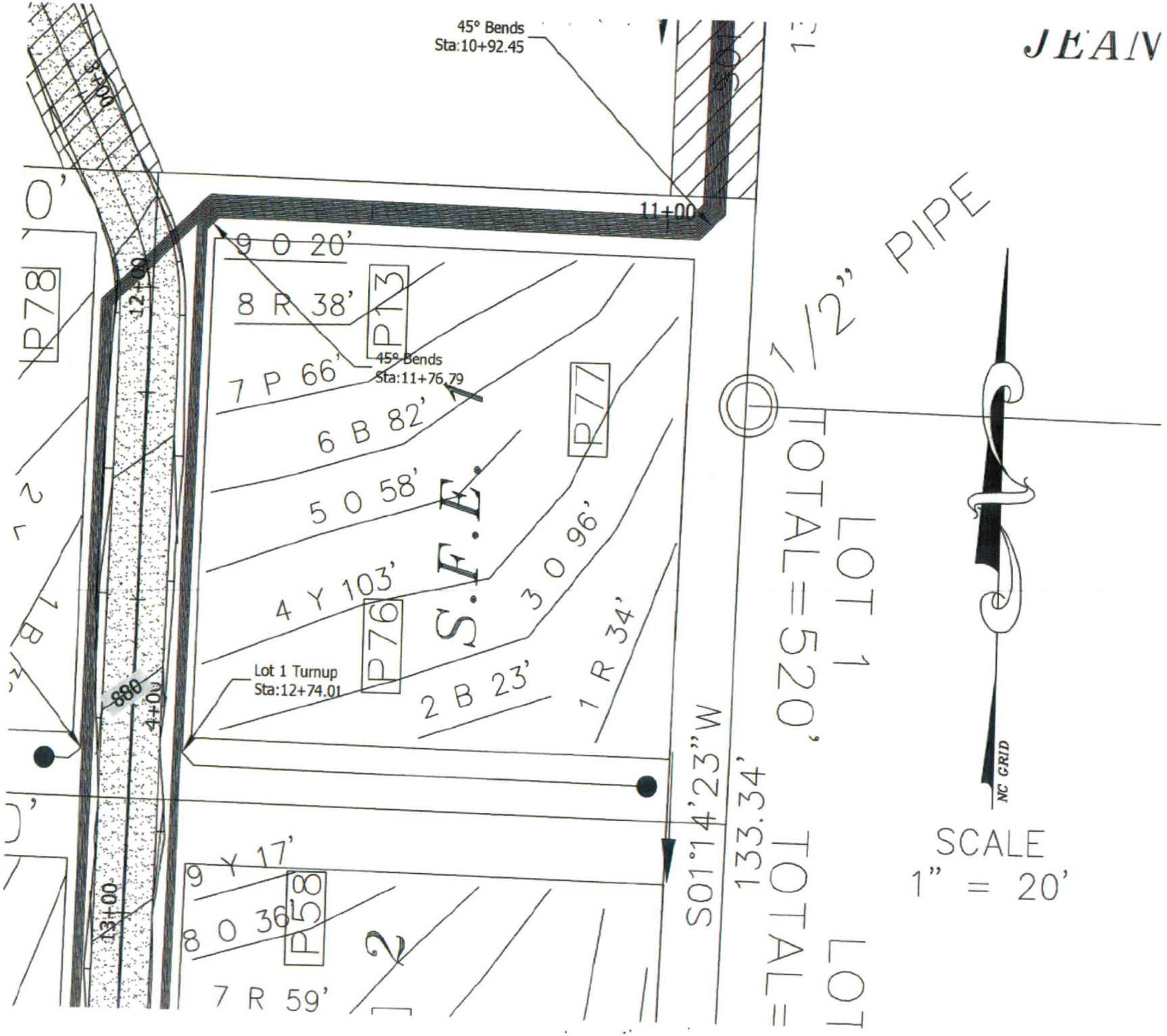
"The LSS evaluation is being submitted pursuant to and meets the requirements of G.S. 130A-335(a2)."

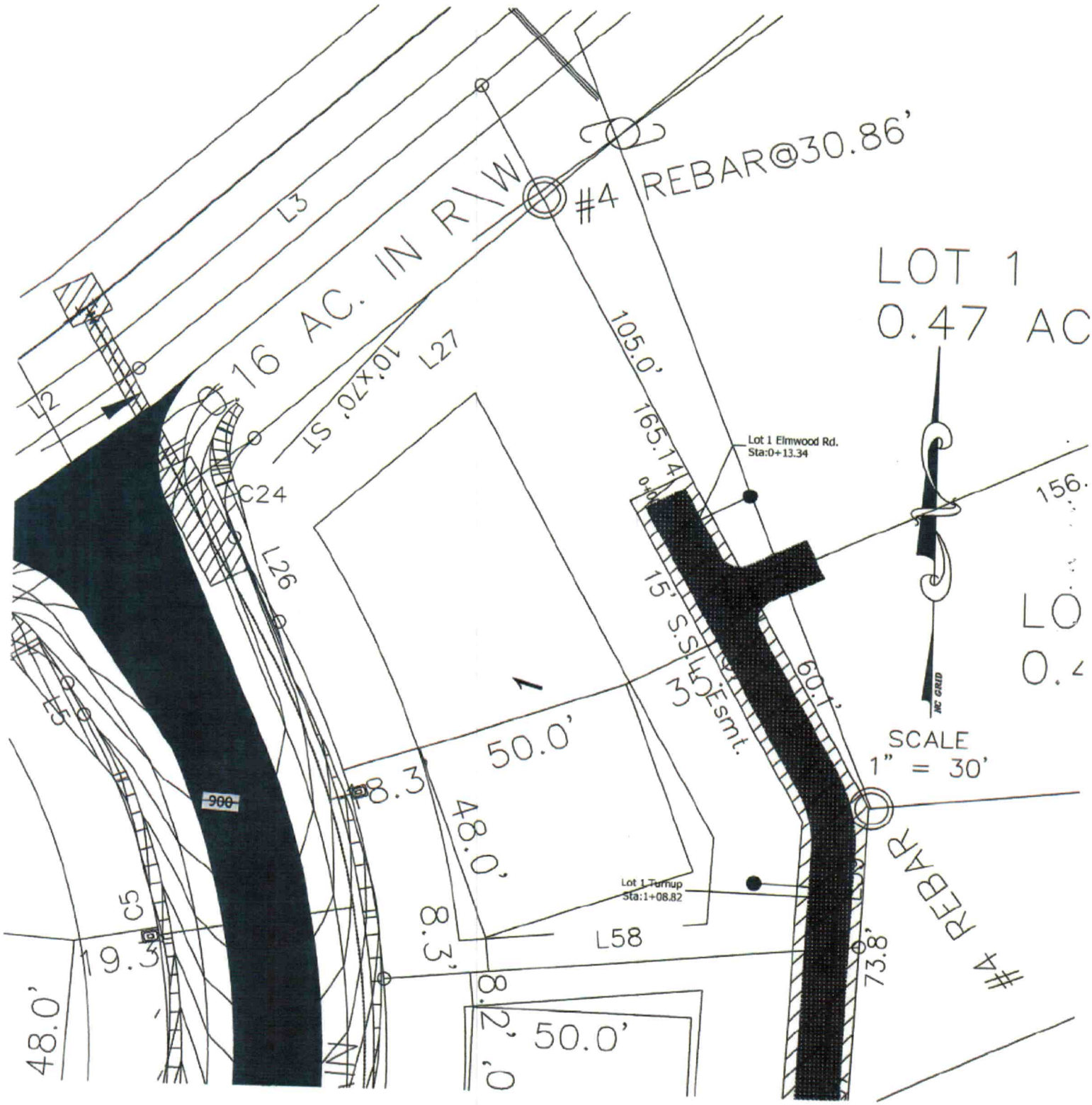
Disclaimer
This report reflects the findings of S&FS, PA. *This LSS evaluation is being submitted pursuant to and meets the requirements of G.S. 130A-335(a2)."* Any site modifications that impact the proposed septic areas on Lot 1 Septic Field Easement of Barry Oak Subdivision may nullify the permit. Authorization to Construct by local Health Department 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
Attachments: *Site Plans, Improvements Permit Form & Soil Evaluation Form*


JEAN
45° Bends
Sta:10+92.45
11+00
12+00
13+00
4+00
P78
P13
P77
P76
P58
9 0 20'
8 R 38'
7 P 66'
6 B 82'
5 0 58'
4 Y 103'
3 0 96'
2 B 23'
1 R 34'
9 Y 17'
8 0 36'
7 R 59'
45° Bends
Sta:11+76.79
Lot 1 Turnup
Sta:12+74.01
S.F.E.
1/2" PIPE
TOTAL=520'
LOT 1
S01°14'23"W
133.34'
TOTAL=
LOT
NC GRID
SCALE
1" = 20'


#4 REBAR@30.86'
LOT 1
0.47 AC
16 AC. IN R\W
L3
L2
L27
10'x70' ST
105.0'
165.14'
Lot 1 Elmwood Rd.
Sta:0+13.34
C24
L26
15' S.S. Esmt.
L5
906
50.0'
48.0'
8.3'
Lot 1 Turnup
Sta:1+08.82
C5
L58
19.3'
48.0'
8.2'
50.0'
60.1'
73.8'
#4 REBAR
SCALE
1" = 30'
NC GRID

Sheet 1 of 1

PROPERTY ID #: 4775904821

COUNTY: Iredell

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

OWNER: K&T Properties

ADDRESS: 127 Bluff Meadow Ln Mooresville NC 28115

PROPOSED FACILITY: 3 BR Residence-360 gpd

LOCATION OF SITE: Barry Oak Subdivision off site septic easements Lot 1

APPLICATION DATE:

DATE EVALUATED: 2022

PROPERTY SIZE: 0.23

PROPERTY RECORDED: No

WATER SUPPLY: ☐ Private ☐ Well ☐ Spring ☒ Other County water

EVALUATION METHOD: ☒ Auger Boring ☒ Pit ☐ Cut

TYPE OF WASTEWATER: ☑ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPR CLASS	.1944 RESTR HORIZ	
13	L/8%	0-24	BRCWFABK	FRSSSPSEXP	F-C SAP	70	PS		0.3-0.325
		24-70	RBCLWFSBK	FRSSSPSEXP					
		70-80	VARLMASS	FRSSSPSEXP					
76	L/5%	0-8	BCLWFSBK	FRSSSP		53			0.3
		8-40	BRCWMSBK/ABK	FRSSSP					
		40-53	RBCLWMSBK	FRSSSP					
77	L/5%	0-12	YBSCLWFSBK	FRSSSP	FEW FE DEPL F-C FE DEPL	57			0.25
		12-44	RBCWMABK	FSSSP					
		44-57	RBCLWFSBK	FRSSSP					
4									
5									
6									
7									
8									
9									
10									

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

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Types(s)	PPBPS	PPBPS
Site LTAR	0.25	0.25

OTHER FACTORS (.1946):

SITE CLASSIFICATION (.1948): PS

EVALUATED BY: Ashley Rollans

OTHER(S) PRESENT: Chad Wagner & Mason Freeman

COMMENTS:

County: Iredell

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

PIN/Lot Identifier: 4775904821

Issued To: K + T Properties V LLC

Property Location: Barry Oak Road.

Subdivision: Glenda J Benfield Property Lot #: 1 Block: _____ Section: _____

LSS Report Provided: Yes ☑ No ☐

If yes, name and license number of LSS: Samuel Ashley Rollans #1731

New ☑ Repair ☐ Expansion ☐ System Relocation ☐

Proposed Structure: 3 BR Residence

Proposed Wastewater System Type: PPBPS (Initial) PPBPS (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: County Water

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:

Licensed Soil Scientist Print Name: Samuel Ashley Rollans

Licensed Soil Scientist Signature: Samuel A Rollans Date: 12/12/22

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

See attached site sketch