ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # AP 321300

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

PIN # 4639 -- 86 -- 5406

APPLICANT/OWNER: Founders Homes APPLICANT ADDRESS: 348 Williamson Rd Mooresville NC 28117

SITE ADDRESS: 161 Streamside Estates Drive Mooresville NC PHONE: 704-360-2251 ALT. PHONE —

SITE DIRECTIONS: Pinkston Rd @ Foothill @ Streamside on Left SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Streamside Estates SECTION: — LOT # 14 LOT AREA: 1.39Ac DESIGN FLOW: 480 L.T.A.R.: .30

Septic Tank	1000	(gal)	STB	7160	Date	7/14/23	☒ New System	☐ Repair	☐ Expansion	System Type: I II III IV V VI	
Pump Tank	1000	(gal)	PT	3263	Date	7/14/23	System Description:	PM-PPBPS-50% Reduction			
Pump Make	Zoeller	Model	ZN165		Serial #		Repair System Description:	PPBPS-50% Reduction			
# Nitrification Fields	1	# Lines	4		Linear Ft	268	Maintenance Agreement Required:	☐ YES	☒ NO		
Trench Width	24	Trench Bottom Depth (~~Average~~)			36.in		Gravel Depth	—	☐ GRAVITY	☒ PRESSURE	

☐ Residence No. Bedrooms 4 — Water Supply
☐ Business No. Persons 8 — ☒ Private
☐ Other No. Employees — ☐ Public
☐ Slab ☐ Crawl Space — ☐ Community
☐ Basement w/plumbing ☐ Basement w/o plumbing

Comments / Conditions: Supply Line Crossing must be encased in ductile Iron on either side of the Creek. Septic Easement Must be Deeded + Recorded prior to A/C.

Easement: Book 74 Pg 34 (plat)
Language 2536 P1180

INITIAL SITE SKETCH

This permit is issued pursuant to Section 11 . (C) of S.L. 2018-114 using the signed and sealed LSS Evaluation by:

Michael Adhams + Associates Inc.

LSS # 1252 Dated 9/7/2021

AS BUILT SKETCH

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 time.

- See Surveyor Site plan for tank location

Supply line depth verified to drainfield from tank 10/19/23 DW

Lines, PM } STH 10/27/23

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: Milton Owens Date: 9/24/21 Installed by: Precision Excavation

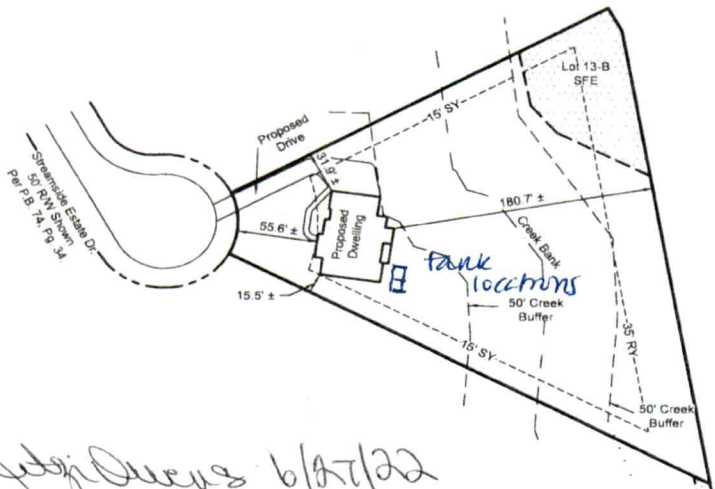
IMPROVEMENT PERMIT by: Benjamin A Bucy Date: 9/14/2021 OPERATION PERMIT by: _____ Date: _____

AUTHORIZATION TO CONSTRUCT by: D. Mabery Date: 10/22/22 Existing System Inspected by: _____ Date: _____

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

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.



NAD 83-2011

Judy Owens 6/27/22

APPROXIMATE STRUCTURAL/IMPERVIOUS COVERAGE:

TOTAL PROPERTY AREA: 60,861 SF, 1.397 AC.
PROPOSED DWELLING AREA: 2,763 SF, 0.063 AC.
PROPOSED DRIVE/SIDEWALK AREA: 1,937 SF, 0.044 AC.
APPROXIMATE STRUCTURAL COVERAGE: 2,763 SF, 0.063 AC, 4.54%
APPROXIMATE IMPERVIOUS COVERAGE: 4,700 SF, 0.107 AC, 7.72%

Acknowledgement of Plans Submittal ONLY!

Date 4/22/22
Date

REFERENCE:

BEING ALL OF LOT 14 - STREAMSIDE ESTATE SUBDIVISION - AS RECORDED IN P.B. 74, PG. 34 - IREDELL COUNTY REGISTRY.

PROPERTY IS SUBJECT TO RESTRICTED COVENANTS LISTED IN D.B. 2825, PG. 2025.

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

SETBACKS:

PROPERTY CURRENTLY CURRENTLY ZONED: RA (IREDELL COUNTY)

PROPERTY SUBJECT TO A 35' FRONT YARD (FY), 15' SIDE YARD (SY) AND 35' REAR YARD (RY) AS PER IREDELL COUNTY ZONING ORDINANCE.

PROPERTY IS SUBJECT TO 50' CREEK BUFFER PER P.B. 74, PG. 34.

PROPERTY IS SUBJECT TO 10' DRAINAGE AND UTILITY AROUND INSIDE PERIMETER OF LOT PER P.B. 74, PG. 34.

PROPERTY LIES WITHIN LAKE NORMAN CATAWBA RIVER "WS-IV CA" & "WS-IV PA" WATERSHED OVERLAY.

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

THE SUBJECT PROPERTY IS NOT IN A "SPECIAL HAZARD AREA" AS SHOWN ON HUD/FIA FLOOD INSURANCE RATE MAP COMMUNITY PANEL NUMBER 3710463900J EFFECTIVE DATE 03/18/2008.

0 80 160 240

JORDAN GRANT
ENGINEERING • SURVEYING • PLANNING
JORDAN GRANT & ASSOCIATES, PLLC
P.O. BOX 151 * STATESVILLE, NC 28687
Matt.Grant@jordan-grant.com (704) 928-7919
FIRM # P-1227

Plot Plan For:

Foundation Homes

DRAWN BY: IDV	CHECKED BY: JWE	SCALE: 1" = 80'
PIN NO: 4639-86-5106		
DEED REF: 2780-2255		
DATE OF MAP: 08-04-21	SURVEY DATE:	
REVISION: 05-16-22	DRAWING FILE: 20200543-LOT14	

161 Streamside Estates, Mooresville, NC 28117
Fallstown Twsp - Iredell County - North Carolina

updated



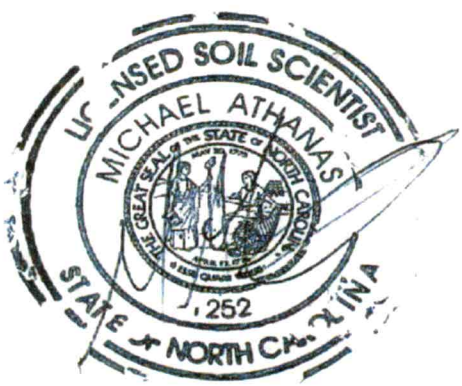
MICHAEL ATHANAS & ASSOCIATES, INC.
LICENSED SOIL SCIENTIST
561 Ennis Road
Weddington, NC 28173
704-576-3887 (Mobile)

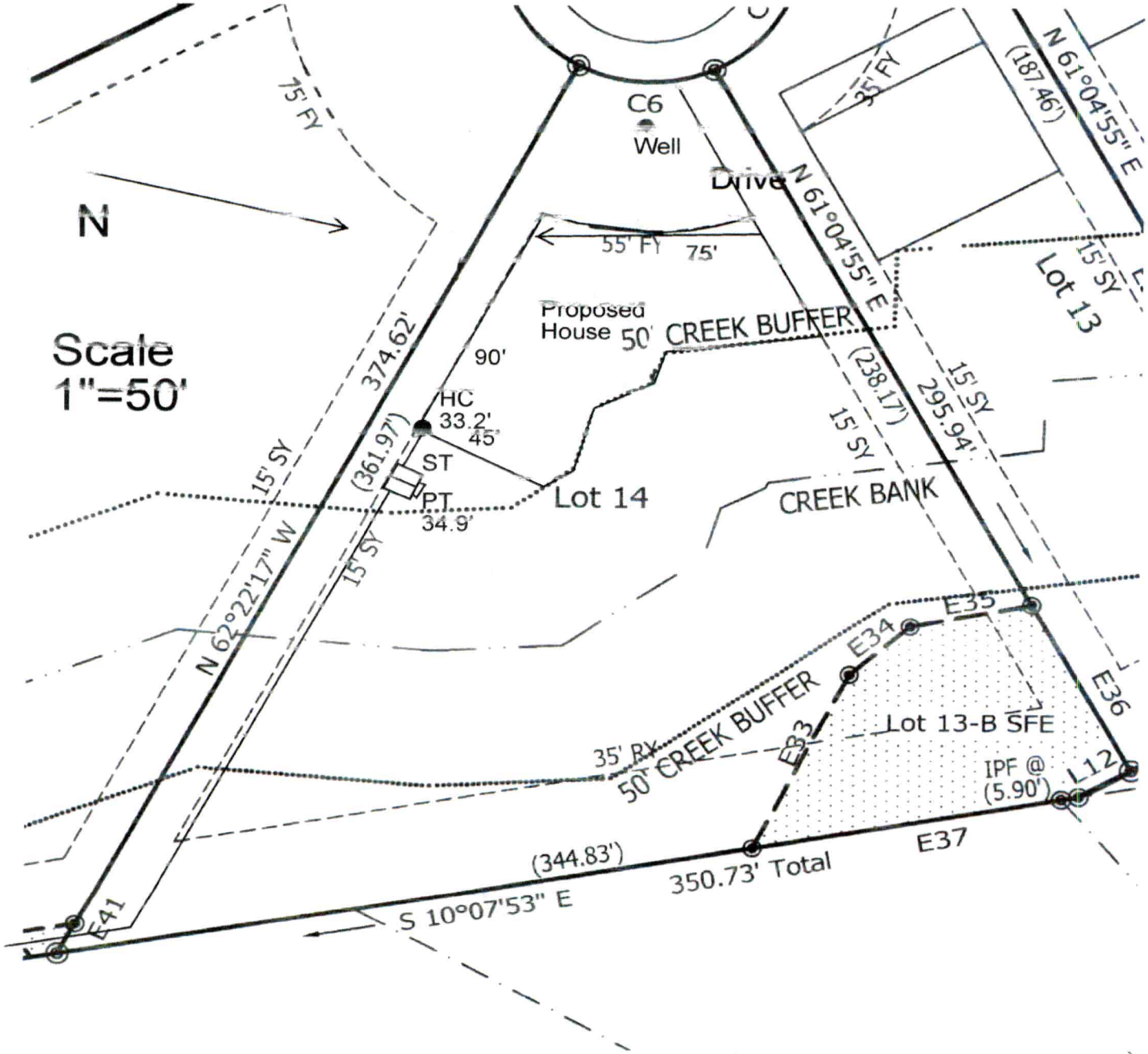
Session Law

Property:
161 Streamside Estates Dr
Mooresville, NC 28117
Streamside Estates Lot 14
PIN 4639865106

Prepared for:
Foundation Homes

9/7/2021




N
Scale
1"=50'
15' FY
C6
Well
Drive
N 61°04'55" E
(187.46')
35' FY
55' FY
75'
15' SY
Lot 13
Proposed
House
50' CREEK BUFFER
90'
374.62'
HC
33.2'
45'
ST
PT
34.9'
(361.97')
15' SY
N 62°22'17" W
(238.17')
295.94'
Lot 14
CREEK BANK
E35
E34
E36
E33
Lot 13-B SFE
35' RY
50' CREEK BUFFER
IPF @
(5.90')
L12
E37
(344.83')
350.73' Total
S 10°07'53" E
E41

MA&A
SOIL & ENVIRONMENTAL CONSULTANTS

MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
556 Walden Trail
Weddington, NC 28173
(704) 576-3887
8/16/2021

Reference: Data Sheet for 161 Streamside Estates Dr, Streamside Estates Lot 14

House Footprint: See attached plan
Building Setbacks: 35' front/rear, 15' side
Water Source: Private well
Number of Bedrooms/Daily Flow: 4/480 GPD
Proposed LTAR: 0.3 GPD/FT^2
Proposed System Type: PPBPS
Proposed Repair System Type: PPBPS
Distribution: Pressure Manifold
Flow per Tap: 7.11 GPM
Tap Size and Material: ½" SCH 40
System Flow: 28.44 GPM
Dosing Volume: 230.4 gallons
Pump Run Time: 8.1 minutes
Elevation Head: 42.5'
Friction Head: 10.2'
Pressure Head: 2'
Total Dynamic Head: 54.7'
Supply Line Length: 550' of 2" PVC
Septic/Pump Tank Size: 1000/1000 gallons
Proposed Trench Bottom: 36"



Line	Design Length	# of Panels	Actual Length	Elevation
Blue 1	**67'**	**16**	**75'**	**3.4'**
Orange 2	**67'**	**16**	**75'**	**4.7'**
White 3	**67'**	**16**	**75'**	**6.1'**
Pink 4	**67'**	**16**	**75'**	**7.7'**
Yellow 5			75'	9.1'
Blue 6			75'	10.4'
Orange 7			75'	12.7'
White 8			75'	14.2'

Initial System: 268'
Pump Tank: 34.9'
Benchmark: 0.9'
Repair System: 300'
House Corner: 33.2'
Creek: 40.9

Comments:
The LSS Evaluation is being submitted pursuant to and meets the requirements of SL 2018-114 Section 11.(c).

50' Stre
Stumpy Creek
Approximate Location
50' Stream Buffer
35' RY
S 10°07'53" E
E39
E42
E38
E43
Lot 14 SFE
AB 1
AB 2
AB 3
AB 4
W8
O7
B6
Y5
P4
W3
O2
B1
PM
TDE
BM
0.9'
35' RY
183.77'
S41°54'11"W
(71.85')
IRS
Tie
°54'11"E
N
Scale
1"=40'
ZONED: RA
B1 - 67' - 3.4'
O2 - 67' - 4.7'
W3 - 67' - 6.1'
P4 - 67' - 7.7'
Y5 - 75' - 9.1'
B6 - 75' - 10.4'
O7 - 75' - 12.7'
W8 - 75' - 14.2'

PROPERTY ID #: 4639865106
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Foundation Homes Dev. LLC
ADDRESS: 438 Williamson Rd Unit C, Mooresville, NC 28117
PROPOSED FACILITY: 4 BDRM PROPOSED DESIGN FLOW (.1949): 480 GPD
LOCATION OF SITE: 161 Streamside Estates Dr, Streamside Estates Lot 14
APPLICATION DATE
DATE EVALUATED: 7/2021
PROPERTY SIZE: 3.243 AC
PROPERTY RECORDED:
WATER SUPPLY: X Private ☐ Public X Well ☐ Spring ☐ Other
EVALUATION METHOD: X Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: X 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 SAPRO CLASS	.1944 RESTR HORIZ	
AB 1	LS 15%	0-5	Br CL WSBK	FR SS SP SXP	N/A	48"	N/A	N/A	PS 0.3
		5-32	R C SBK	FR SS SP SXP					
		32-48	R CL WSBK	FR SS SP SXP					
AB 2	LS 15%	0-5	Br CL WSBK	FR SS SP SXP	N/A	48"		N/A	PS 0.3
		5-30	R C SBK	FR SS SP SXP					
		30-48	R CL WSBK	FR SS SP SXP			F-C SAP		
AB 3	LS 15%	0-6	Br CL WSBK	FR SS SP SXP	N/A	48"		N/A	PS 0.3
		6-35	R C SBK	FR SS SP SXP					
		35-48	R CL WSBK	FR SS SP SXP			F-C SAP		
AB 4	LS 15%	0-7	Br CL WSBK	FR SS SP SXP	N/A	48"		N/A	PS 0.3
		7-30	R C SBK	FR SS SP SXP					
		32-48	R CL WSBK	FR SS SP SXP			F-C SAP		

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	536 FT^2	600 FT^2
System Type(s)	PPBPS	PPBPS
Site LTAR	0.3	0.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: MA&A
OTHER(S) PRESENT:

COMMENTS: *The LSS Evaluation is being submitted pursuant to and meets the requirements of SL 2018-114 Section 11.(c).*



MICHAEL ATHANAS & ASSOCIATES
NC LICENSED SOIL SCIENTIST
SC PROFESSIONAL SOIL CLASSIFIER
561 Ennis Rd Weddington, NC 28173
MIKE@MICHAELATHANAS.COM
WWW.MICHAELATHANAS.COM
(704) 576-3887

Date: 08/16/2021
Project Name

SESSION LAW 218-114, SECTION 11. (C) /HOUSE BILL 374, SECTION 11. (C)
AUTHORIZATION FORM

Michael Athanas & Associates (MA&A) has been contracted to evaluate soil, design and submit a septic system proposal to Iredell (County) on behalf of Foundation Homes Developing LLC (Owner/Applicant for the property located at -
161 Streamside Estates Dr, Mooresville, NC 28117 / Lot 14 / PIN 4639865106 (address/PIN)

The Licensed Soil Scientist (LSS) Evaluation attached to this application is to be used to produce design and construction features for permitting in accordance with SL 2018-114 section 11 . (c)

By completing this form, sign and dating you agree that the permit issued by Iredell (county) will fall under the above referenced law.

Owner/Owners Legal Representative Mitzi Owens
Mailing address 438 Williamson Road, Suite C, Mooresville, NC 28117
Telephone Number 704-360-2251
Email Address mitzi@foundationhomeslkn.com

Mitzi Owens
Signature of Owner/ Owner Legal Rep.

08/16/2021
Date