ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 · Mooresville Office (704) 660-3625 · PERMIT # 312997.

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

PIN # 4730 -57 -2379

APPLICANT/OWNER: Tru North Homes LLC — APPLICANT ADDRESS: 6631-300 Brawley School Rd Mooresville NC 28117.

SITE ADDRESS: 165 State Park Rd Troutman NC 28166 — PHONE: 704 363 2845 — ALT. PHONE: —

SITE DIRECTIONS: Perth Rd @ or State Park Lot on Left — SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: PineCraft — SECTION: — LOT # 6 — LOT AREA: .481 Ac — DESIGN FLOW: 360 — L.T.A.R.: .25

Septic Tank	1000 (gal)	STE	Infiltrator Plastic Tank	☒ New System	☐ Repair	☐ Expansion	System Type: I II III IV V VI	☒ Residence	No. Bedrooms 3
Pump Tank	— (gal)	PT		System Description: Gravity - 25% Reduction				☐ Business	No. Persons 6
Pump Make	—	Model	—	Serial # —	Repair System Description: LD-PPBD-50% Reduction			☐ Other	No. Employees
# Nitrification Fields	1	# Lines	4	Linear Ft. 360	Maintenance Agreement Required:	☐ YES	☒ NO	☒ Slab	☐ Crawl Space
Trench Width	36	Trench Bottom Depth (~~Low side~~)	30 in mtk	Gravel Depth —		☒ GRAVITY	☐ PRESSURE	☐ Basement w/plumbing	☐ Basement w/o plumbing

Water Supply: ☒ Private ☐ Public ☐ Community

Comments / Conditions:

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:

Soil + Forestry Services of the Carolinas PA

LSS # 1231.

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.

Installed Quick 4 as Shown

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**

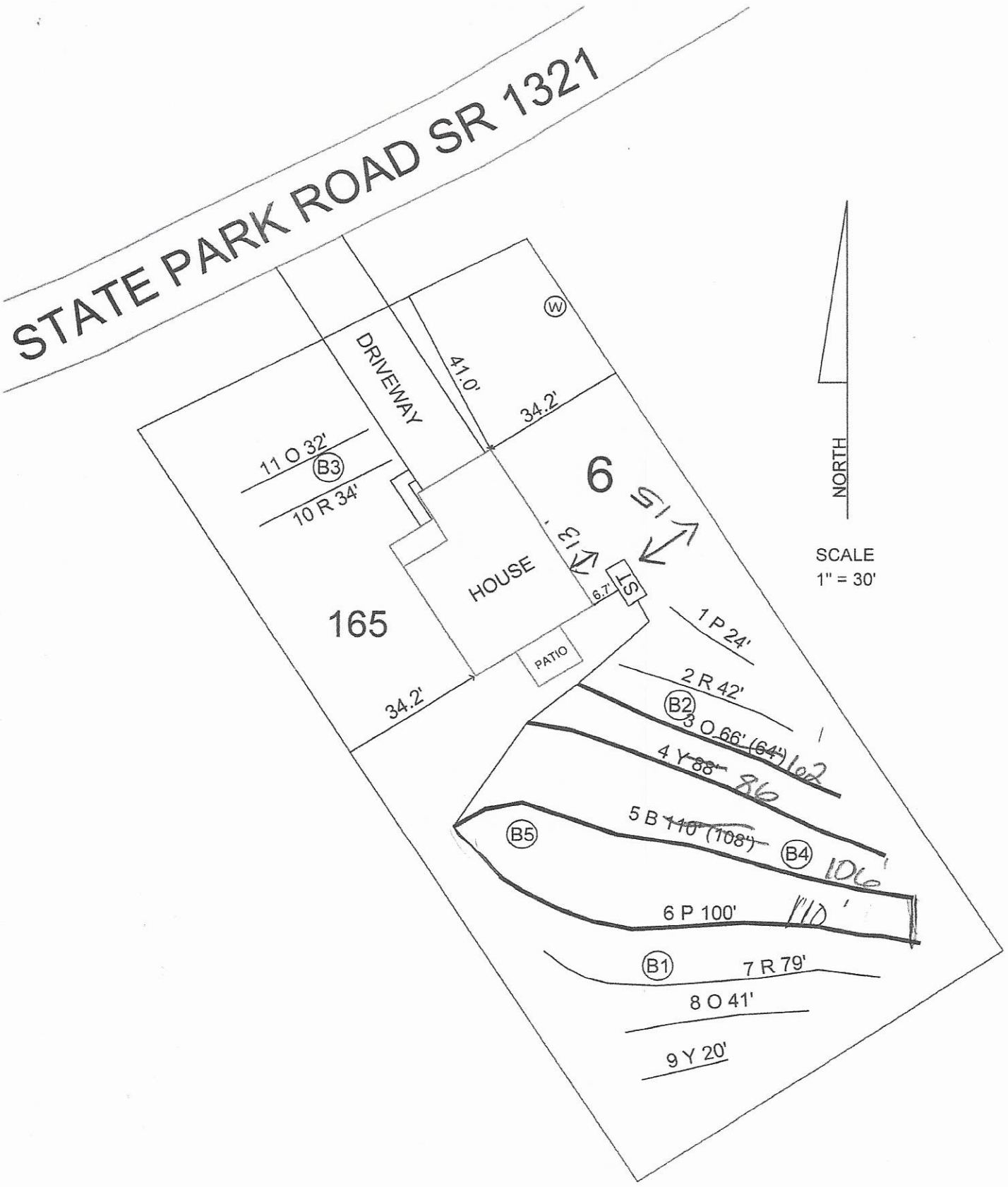
☐ **IMPROVEMENT PERMIT** *with plat valid without expiration.* ☒ **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* ☒ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: — Date: 12-10-20 — Installed by: (Russell Williams) Fractured Solutions Design

IMPROVEMENT PERMIT by: Benjamin A Boger — Date: 12-7-2020 — OPERATION PERMIT by: Maria Dotson — Date: 3/11/21

AUTHORIZATION TO CONSTRUCT by: Benjamin A Boger — Date: 12-10-2020 — Existing System Inspected by: — Date: —

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


STATE PARK ROAD SR 1321
DRIVEWAY
41.0'
34.2'
W
11 O 32'
B3
10 R 34'
6
S1
S3
HOUSE
6.7'
S2
165
PATIO
34.2'
1 P 24'
2 R 42'
B2
3 O 66' (64')
4 Y 88'
5 B 110' (108')
B5
B4
6 P 100'
B1
7 R 79'
8 O 41'
9 Y 20'
NORTH
SCALE
1" = 30'

SOIL & FORESTRY SERVICES
OF THE CAROLINAS, PA

www.soilandforestryservices.com

Project#: 20-0116
November 23rd, 2020

TRUNORTH HOMES, LLC
Attn: *Garrison Davis*
Email: garrison@trunorthhomes.com

RE: Soil & Site Evaluation for a 3 Bedroom Residence at 165 State Park Rd (LOT 6 PineCroft), Troutman, NC 28166, PIN # (4730572379), Iredell County.

Mr. Davis:

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 with scattered trees/shrubs. Topography within the evaluated area was gently slope near the house site and proposed drainfield area. Property lines and corners were marked at the time of the evaluation by Bateman Civil Survey Co. The Surveyor provided an Autocad File of the survey as a basemap. The proposed septic layout was located via measuring tape/GPS and used to produce the attached *Site Plan*. The house envelope was located via Survey by Bateman Civil Survey Co. The attached Survey provided has house plot and acreage.

Methodology

We evaluated soil areas through the use of hand augers. Soil morphological conditions including color, texture, structure, etc. were reviewed in the field with five boring locations on the property flagged and located via GPS. All five of the soil borings 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 boring. The house envelope was located via survey. An on-ground layout of system and repair was performed using a laser level. Pin flag locations of the layout were also located by tape measure and GPS. Detailed system & repair information is summarized in the following paragraph for this Lot.

DocuSign Envelope ID: C91CC023-8AB0-48A7-B679-1FE2A69E494D

165 State Park Rd (*See Attached Design*)
The septic layout for this lot (9' centers) yielded a total of 641 linear feet of line. The primary system is proposed as 360 linear feet of Accepted (25% Reduction) drainfield with gravity distribution. Trench depth is specified at 30 inches. The repair system is proposed as 240 linear feet of PPBPS (50% Reduction) drainfield with low pressure distribution. Trench depth is specified at 30 inches. There is 277 linear feet of repair available.

Session Law Requirements

An LSS Evaluation may be submitted in conjunction with a complete application to the LHD. 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 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).".

Owner Date

Print Name Joshua M Sloan

Signature DocuSigned by: Joshua M Sloan 563B08124C064DB... 11/23/2020

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 SL 2018-114 Section 11.(c)."

Disclaimer

This report reflects the findings of S&FS, PA. *This LSS Evaluation is being submitted pursuant to and meets the requirements of SL 2018-114 Section 11.(c).* Any site modifications that impact the proposed septic areas at 165 State Park Road, Troutman, NC may nullify this design. 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 at 165 State Park Rd, Lot 6, Pinecroft Subdivision PIN#(4730572379) Troutman 28166, Iredell County, NC.

Contents: **Page**

Information for the Installer---------- 1

Design Information

Design Specifications---------- 2-3

Layout Specifications---------- 4

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

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Septic Application---------- 9-10

Zoning Permit---------- 11

Agent Authorization---------- 12

Green Sheet---------- 13

Survey---------- 14

November 23, 2020
Project #: 20-0116
Design By: Soil & Forestry Services of the Carolinas, PA

GRAVITY ACCEPTED SYSTEM FOR WASTEWATER TREATMENT

Owner/Applicant: TruNorth Homes, LLC

Address: 631-300 Brawley School Rd
Mooresville, NC 28117

Phone:

County: Iredell

Location: 165 State Park Rd
Pinecroft

Source of Wastewater Flow: 3 Bedroom Single Family Residence

Estimated Gallons Per Day Flow: 360

System Flow: N/A

Design Specifications

Drainfield Size: 360

Loading Rate (gpd/ft.^{2}): 0.25

Depth of Gravel in Trench: N/A

Gravel Size: N/A

Max.Trench Depth: 30 in. Repair Trench Bottom 30 in.

Trench Width: 36 in.

Septic Tank Size: 1000

Estimated Supply Line Length: 27

Supply Line Diameter: 4 in. SCH 40 PVC

Supply Line Volume: 17.63

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

165 State Park Rd

ACCEPTED SYSTEM

DESIGN FLOW (gpd):	360
SOIL APPLICATION RATE (gpd/ft.^{2}):	0.25
TOTAL AREA TRENCH BOTTOM:	1080
TOTAL LATERAL LENGTH:	360
NUMBER OF FIELDS:	1
LATERAL LENGTH REQUIRED PER FIELD:	360
SUPPLY LINE LENGTH:	27
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 - 165 State Park Rd

Project #: 20-0116

11/23/2020 ##########

LAYOUT FOR 3 BEDROOM HOME

LINE #	FLAG COLOR	BS	HI	FS	ELEVATION	FLAGGED LINE LENGTH	DESIGN LINE LENGTH
TBM							
INSTR. 1							
1	PINK					24	24
2	RED					47	47
3	*ORANGE*					*66*	*64*
4	*YELLOW*					*88*	*88*
5	*BLUE*					*110*	*108*
6	*PINK*					*100*	*100*
7	RED					79	79
8	ORANGE					41	41
9	YELLOW					20	20
10	RED					34	34
11	ORANGE					32	32
					Total	641	637

	LINE LENGTH	LTAR GPD/FT2	SYSTEM TYPE	SOIL LTAR GPD/FT2	TRENCH SYSTEM	DISTRIBUTION
** System*	*360*	*0.250*	*ACCEPT.*	*0.250*	*25% RED*	*GRAVITY*
Repair	277	0.250	MOD. CONV.	0.250	PPBPS	LOW PRESSURE

Notes:
**All measures in feet
**Nitrification lines are demonstrated on contour via colored pin flags
**Nitrification lines were located by tape measures & GPS.
**Property lines, corners & house were located by a Professional Land Surveyor.

CALCULATIONS

Location	165 State Park Rd Troutman, NC 28166	
Project Number	20-0116	
Lot No:	6	
No. of Bedrooms	3	
Design Flow	360	$^{gal}/_{day}$
LTAR	0.250	$^{gal}/_{ft^2\ day}$
PPBPS? (YES OR NO)	NO	
Supply Line Length	27	ft.
Supply Line Volume	17.631	gal.
Required Feet of Line	360	ft.
Amount of Line from Layout	360	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

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 low pressure 50% reduction Modified Conv. PPBPS installation.

PROPERTY ID #: 4730572379
COUNTY: Iredell

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

OWNER: Joshua Sloan
ADDRESS: 161 State Park Rd. Troutman NC 28166
PROPOSED FACILITY: 3BR
PROPOSED DESIGN FLOW (.1949): 360 gpd
LOCATION OF SITE: 165 State Park Rd. Troutman NC 28166
APPLICATION DATE
DATE EVALUATED: 10/29/20
PROPERTY SIZE: 0.481AC
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)		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	
B 1	L/7%	0-45	BRC wmsbk/Mbk	Fr SS SP SEXP	Few Fe Dep @18"+	48"			PS .25
		45-48	RBCL wfsbk	Fr SS SP					
B 2	L/4%	0-6	RBCL wfsbk	Fr SS SP SEXP	Few Fe Dep	48"			PS .25
		6-12	BRC wmsbk/Mbk	Fr SS SP"	C to May Fe Dep				
		12-24	BRC wf Mbk	"Fr SS SP"	Few SAP				
		24-45	BRC wmsbk	Fr SS SP"					
		45-48	RBCL wfsbk	Fr SS SP'					
B 3	L/4%	0-10	BRSCL wfsbk	Fr SS SP SEXP	Few to C SAP	48"			PS .3-.35
		10-28	RC wmsbk/Mbk	Fr SS SP"					
		28-48	RBSCL wfsbk	Fr SS SP'					
B 4	L/5%	0-9	RBCL wfsbk	Fr SS SP	Few Fe Dep @14"-26"	50"			PS .25-.275
		9-45	RC wmsbk/Mbk	Fr SS SP					
		45-50	RBCL wfsbk	Fr SS SP"					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	Accepted 25%	Mod. Conv. 50%
Site LTAR	0.25	0.25

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: S. Ashley Rollins
OTHER(S) PRESENT: Chad Wagner

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet-Complete all field in full)

PROPERTY ID #: 473057a379

DATE OF EVALUATION: 10/26/20

COUNTY: Iredell

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
B5	L/5%	0-9	BSL Gr	Fr SS SP SE xP		50"			PS .225-3
		9-45	BRC wmsbk/ASk	Fr SS SP "					
		45-50	RBCL w/ssk	Fr SS SP "	FEWSHP				

RECEIVED DEC 4 2020

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

APPLICATION FORM

Paid $500.00 AP-312997

Application For: ( ) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
(✓) Septic Improvement Permit ( ) Authorization to Construct ( ) Existing System Inspection ( ) Septic System Repair

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: ( ) Survey Plat, scaled no more than 1 inch = 60 feet
Place an (X) beside whichever is submitted if applicable (X) Custom Site Plan, scaled no more than 1 inch = 60 feet

Applicant Information: (PRINT CLEARLY)

Applicant Name: TruNorth Homes LLC **Address:** 631-300 Brawley School Rd Mooresville NC **Zip:** 28117
Applicant Email: garrison@trunorthhomes.com **Phone:** 704-363-2845 **Alt. Phone:**
Owner Name: Joshua Sloan **Address:** 161 State Park Rd Troutman NC **Zip.** 28166
Owner Email: garrison@trunorthhomes.com **Phone:** 704-363-2845 **Alt. Phone:**

Property Information:

Street Address. 165 State Park Rd, Troutman NC 28166
Subdivision Name: Pine Croft **Section/Phase:** **Lot Number:** 6
Driving Directions: Perth Rd, Rt on State Park Road, Lot on Left

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

(✓) New Single Family Residence
( ) New Multi-Family Residence
( ) Accessory Building
( ) Bedroom(s) Addition
( ) Repair to failing septic system ___ Tank ___ Drain lines Describe Problem:

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

CHECK FOUNDATION TYPE
(✓) Crawl Space Foundation
( ) Concrete Slab Foundation
( ) Basement with Plumbing
( ) Basement without Plumbing

Non-Residential Site Development: Type of Business:
Square Footage of Building: Max. Number of Employees: Max. Number of Seats/Beds/Other:

Water Supply: ( ) Replacement Well – Reason:
( ) Multi-connection Well **Number of Houses:** **Number of Persons:**
(✓) 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 (✓) Other: Accepted

Please answer the following to the best of your ability:
( ) Yes (X) No Does the site contain any jurisdictional wetlands?
( ) Yes (X) No Is any non-domestic sewage (i.e. industrial) to be generated?
( ) Yes (X) 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: Ken Tallon 11/23/20
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE

DocuSign Envelope ID: C91CC023-8AB0-48A7-B679-1FE2A69E494D

DocuSign Envelope ID: 7061216B-0417-4783-87C3-AF2066A881BF

Public Health

IREDELL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

Public Health

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, Joshua Sloan, am the legal owner(s) of the property located at 165 State Park Rd Troutman, NC 28166 identified as PIN (Parcel Identification Number) 4730572379, located in Iredell County, North Carolina.

I do hereby authorize (print legal representative/company name) SFS/Ashley Rollans Garrison Davis/ TruNorth Homes, LLC 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.

DocuSigned by:
Joshua M. Sloan — 11/23/2020
Signature of Owner(s) — Date

Signature of Witness — Date

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

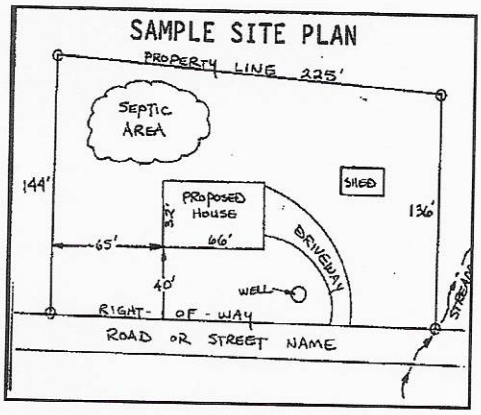
IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

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 OR WELL 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**
- (X) **Preferred well location**
- (X) **Preferred septic system 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

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

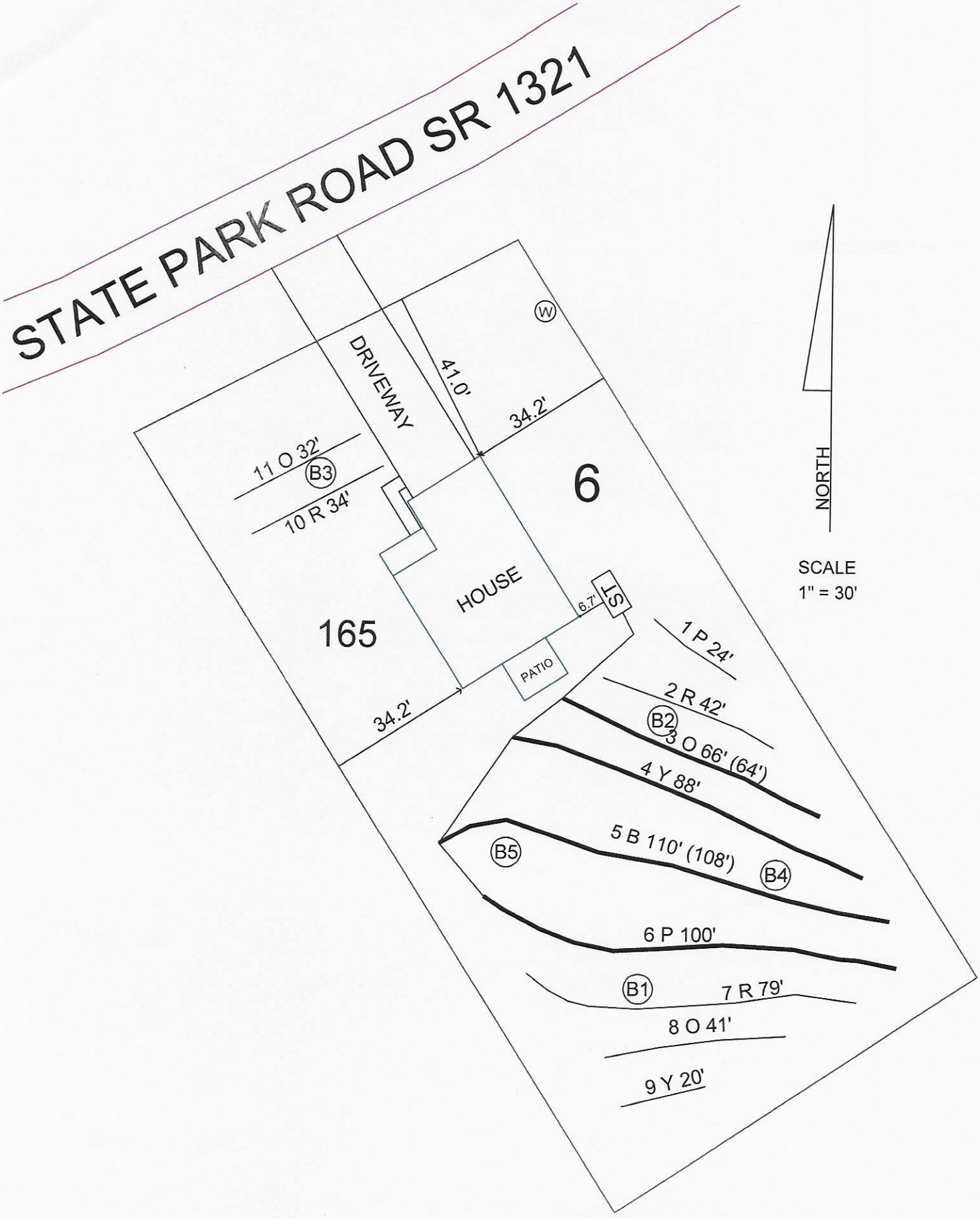
See Attached

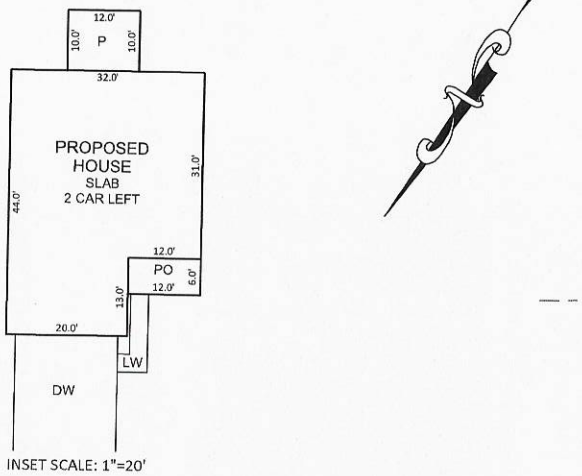
Signature: Sam Fallen

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

11/23/20

DATE


STATE PARK ROAD SR 1321
DRIVEWAY
41.0'
34.2'
W
11 O 32'
B3
10 R 34'
6
HOUSE
165
6.7'
ST
PATIO
34.2'
NORTH
SCALE
1" = 30'
1 P 24'
2 R 42'
B2
3 O 66' (64')
4 Y 88'
5 B 110' (108')
B5
B4
6 P 100'
B1
7 R 79'
8 O 41'
9 Y 20'

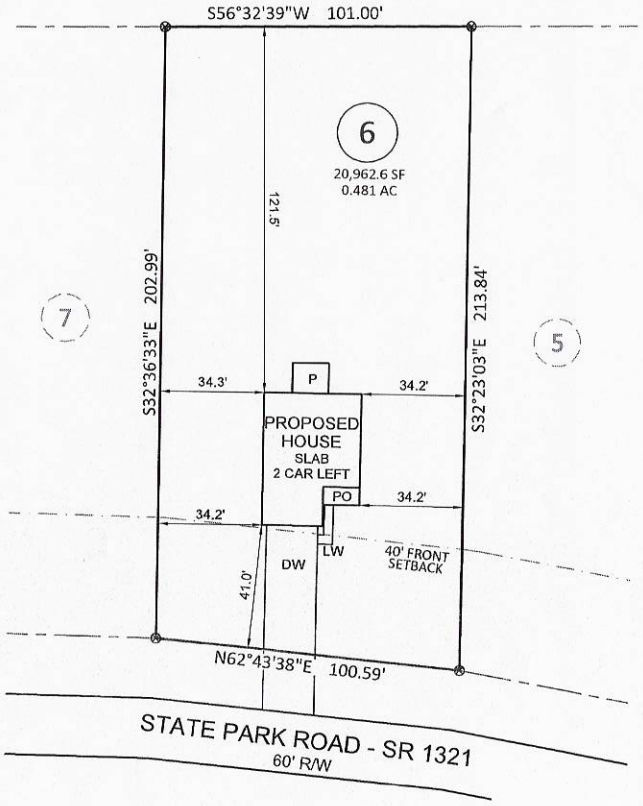


INSET SCALE: 1"=20'

BUILDING SETBACKS:
(unless otherwise noted)
FRONT = 40 ft

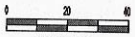
LOT INFORMATION:

PIN: 4730572379.000
HOUSE = 1,252 SF
DRIVEWAY = 715 SF
LEADWALK = 45 SF
PORCH = 72 SF
PATIO = 120 SF
TOTAL LOT AREA = 0.481 AC = 20,962.6 SF
TOTAL PROPOSED IMPERVIOUS = 2,204 SF
PERCENT IMPERVIOUS = 10.5 %



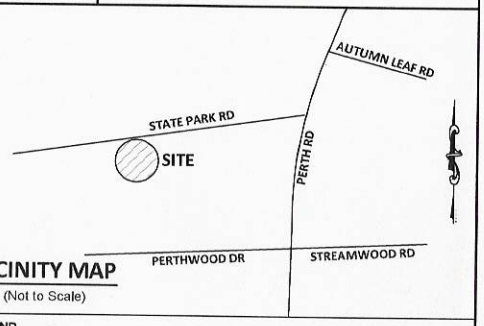
NOTES:

1. THIS SURVEY WAS PREPARED BY BATEMAN CIVIL SURVEY CO., UNDER THE SUPERVISION OF STEVEN P. CARSON, PLS.
2. THIS PLAN HAS BEEN PREPARED FOR LAYOUT AND PERMITTING PURPOSES ONLY.
3. PROPERTY LINES SHOWN WERE TAKEN FROM EXISTING FIELD EVIDENCE, EXISTING DEEDS AND/OR PLATS OF PUBLIC RECORD, AND INFORMATION SUPPLIED TO THE SURVEYOR BY THE CLIENT.
4. ALL DISTANCES ARE HORIZONTAL GROUND DISTANCES AND ALL BEARINGS ARE NORTH CAROLINA STATE PLANE COORDINATE SYSTEM UNLESS OTHERWISE SHOWN.
5. THIS MAP IS NOT FOR RECORDATION AND SHOULD BE REVIEWED BY A LOCAL GOVERNMENT AGENCY FOR COMPLIANCE WITH ANY APPLICABLE LAND DEVELOPMENT REGULATIONS.
6. THE BASIS OF NORTH AND ALL EASEMENTS, RIGHTS-OF-WAYS, BUFFERS, SETBACKS AND ADJOINERS, ETC. REFERENCED IN TITLE BLOCK.
7. NO INVESTIGATION INTO THE EXISTENCE OF JURISDICTIONAL WETLANDS OR RIPARIAN BUFFERS PERFORMED BY THIS FIRM.
8. SURVEYOR HAS MADE NO INVESTIGATION OR INDEPENDENT SEARCH FOR EASEMENTS OF RECORD, ENCUMBRANCES, RESTRICTIVE COVENANTS, OWNERSHIP TITLE EVIDENCE OR ANY OTHER FACTS THAT AN ACCURATE AND CURRENT TITLE SEARCH MAY DISCLOSE.
9. THIS PROPERTY IS NOT LOCATED IN A SPECIAL FLOOD HAZARD ZONE. IT IS LOCATED IN ZONE "X" AS DEFINED BY HUD F.I.R.M. MAP NO. 3710473000J, DATED MARCH 18, 2008. FLOODPLAIN AND FLOODWAY SHOWN HEREON ARE SCALED GRAPHICALLY FROM SAID PANEL.
10. ZONING: R-6
11. PROPERTY OWNER: TRUNORTH HOMES, LLC
631-300 BRAWLEN SCHOOL ROAD
MOORESVILLE, NC 28117



SCALE:
1" = 40 ft.

Bateman Civil Survey Company
Engineers • Surveyors • Planners
2524 Reliance Avenue, Apex, NC 27539 Ph: 919.577.1080 Fax: 919.577.1081
www.batemancivilsurvey.com info@batemancivilsurvey.com
NCBELS Firm No. C-2378



VICINITY MAP
(Not to Scale)

LEGEND

PO = PORCH
P = CONCRETE PATIO
CP = COVERED PORCH/PATIO
SP = SCREENED PORCH/PATIO
WD = WOOD DECK
S = CONCRETE STOOP
SW = SIDEWALK
LW = LEADWALK
DW = CONCRETE DRIVEWAY
⊗ = COMPUTED POINT
○ = IRON PIPE FOUND (IPF)
◉ = IRON PIPE SET (IPS)
WM = WATER METER
⋈ = WATER VALVE
CO = CLEAN OUT
AC = AIR CONDITIONER
S = SEWER MANHOLE
EB = ELECTRIC BOX
CB = CABLE BOX
T = TELECOMM BOX
CI = CURB INLET
DI = DROP INLET
YI = YARD INLET
= LIGHT POLE
= FIRE HYDRANT
HH = HAND HOLE COVER

I, STEVEN P. CARSON, CERTIFY THAT THIS PLAT WAS DRAWN UNDER MY DIRECT SUPERVISION FROM A SURVEY MADE UNDER MY SUPERVISION (PLAT BOOK REFERENCED IN TITLE BLOCK); THAT THE BOUNDARIES NOT SURVEYED ARE CLEARLY INDICATED AS DRAWN FROM INFORMATION LISTED UNDER REFERENCES; THAT THE RATIO OF PRECISION AS CALCULATED IS 1:10,000+; AND THAT THIS MAP MEETS THE REQUIREMENTS OF THE STANDARD OF PRACTICE FOR LAND SURVEYING IN NORTH CAROLINA.
L-4752
DATED:

PRELIMINARY

This map is of an existing parcel of land and is only intended for the parties and purposes shown. This map not for recordation. No title report provided.

BUILDER TO VERIFY HOUSE MODEL, LOCATION, DIMENSIONS AND REVIEW TOTAL IMPERVIOUS NOTED ON THIS PLOT PLAN

PRELIMINARY PLOT PLAN

FOR

TruNorth Homes, LLC

PINECROFT - LOT 6
165 STATE PARK ROAD, TROUTMAN, NC
FALLSTOWN TOWNSHIP, IREDELL COUNTY

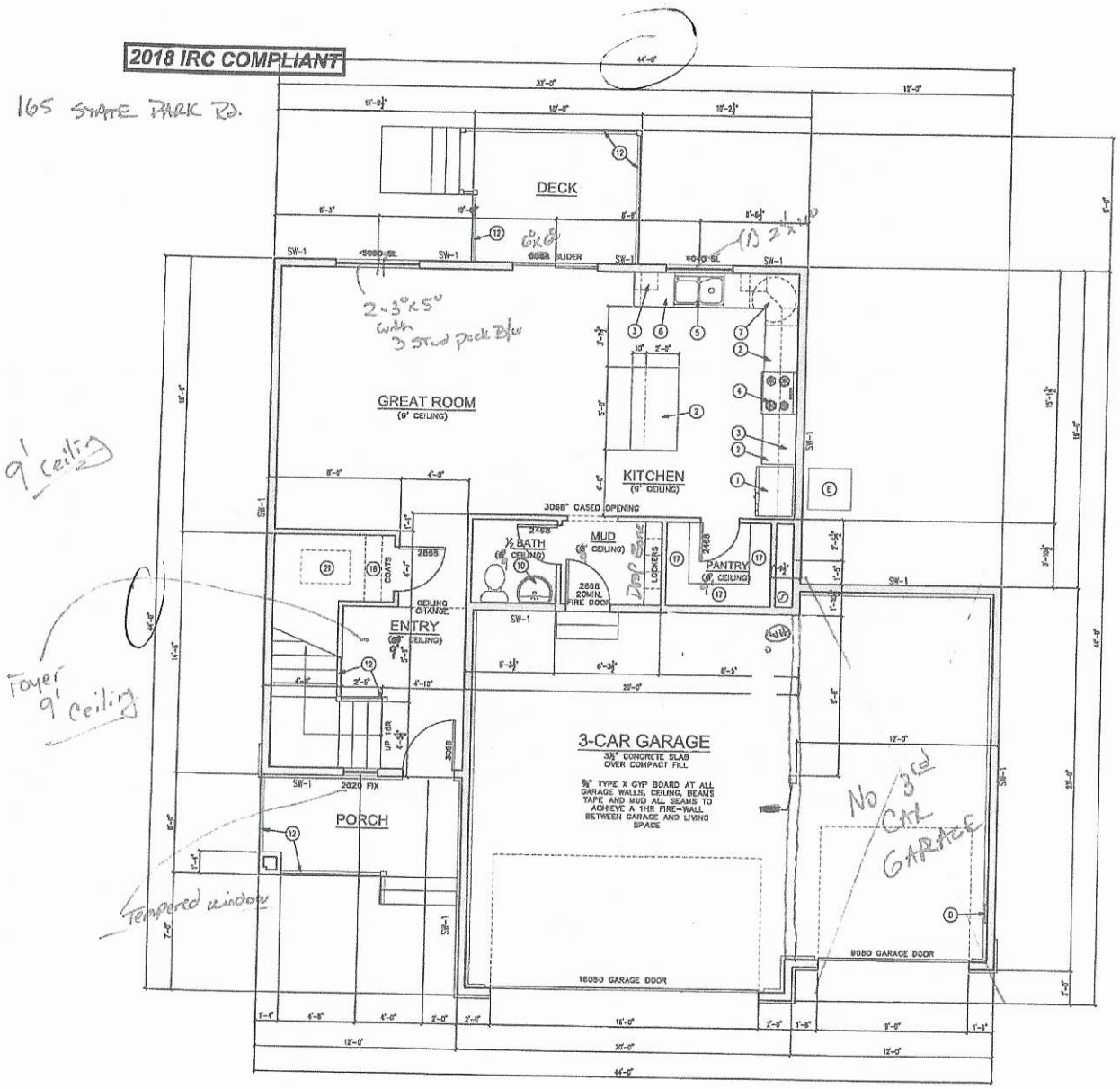
DATE: 11/2/20 DRAWN BY: NMW CHECKED BY: SPC

REFERENCE: PB 18, PG 66 PROJECT #: 200629 SCALE: 1" = 40'

P:\2020 Projects\200629 Pinecroft TruNorth Homes\dwg\200629 Pinecroft TruNorth Homes.dwg, 11/3/2020 8:05:35 AM, mwiker

2018 IRC COMPLIANT

165 STATE PARK RD.



9' ceiling

Foyer 9' ceiling

Tempered window

2-3'x5' with 3 stud pack B/w

(1) 2'x3'

No 3rd Car Garage

MAIN FLOOR PLAN

SCALE: ¼" = 1'-0"

165 State Park

Acknowledgement Of Plans Submittal ONLY!

12/8/20 Date

Date

KEY NOTES:

1. 39" WDE REFRIGERATOR SPACE, (INSTALL WATER LINE)
2. COUNTERTOP OVER 36" HIGH BASE CABINET.
3. UPPER CABINETS (TOP AT 8'-0" A.F.F.)
4. 30" WDE RANGE WITH HOOD ABOVE (VENT HOOD TO EXTERIOR AND PROVIDE AIR INTAKE
5. DOUBLE SINK WITH DISPOSAL AND SPRAYER
6. DISHWASHER
7. LAZY SUZAN
8. 24" X 36" CRAWL SPACE ACCESS
9. WASHER AND DRYER HOOKUPS (WASHER IS ON THE LEFT)
10. PEDESTAL SINK
11. SHELF OR CABINETS ABOVE WASHER AND DRYER
12. 36" HIGH RAILING WITH BALUSTERS SPACED SO THAT A 4" SPHERE CAN NOT PASS THROUGH
13. COUNTERTOP OVER 32" HIGH BASE CABINET
14. 30" X 60" TUB / SHOWER (2.5GPM SHOWER HEAD)
15. 42" X 60" TUB IN TILE OR MARBLE PLATFORM
16. TILE OR MARBLE SHOWER WITH SAFETY GLASS ENCLOSURE
17. (4) 16" SHELVES STARTING @ 24" ABOVE FINISHED FLOOR
18. 12" SHELF AND ROD
19. (2) 12" SHELVES AND (2) RODS
20. SINGLE UTILITY SINK
21. 36" X 24" CRAWL SPACE ACCESS

SQUARE FOOTAGE SCHEDULE:

FINISH MAIN FLOOR PLAN:	794
FINISH UPPER FLOOR PLAN:	1090
TOTAL FINISHED SQ. FT:	1884
GARAGE:	734
TOTAL PROJECT SQ. FT:	1884

SHEAR WALL NOTES

ALL EXTERIOR WALLS AND VERTICAL SURFACES AT STEPS IN ROOF SHALL BE SHEATHED WITH 7/16" APA RATED 24/0 OR BETTER STRUCTURAL WOOD PANELS. BLOCK ALL HORIZ EDGES WITH 2" NOM. OR WDER. 2" OR WIDER FRAMING AT ADJOINING PANEL EDGES AND NAILS SHALL BE STAGGERED WHERE 8d NAILS ARE SPACED 3" O.C. OR LESS. SHEATHING SHALL EXTEND CONTINUOUS FROM FLOOR TO TOP PLATE FRAMING ON UPPER EXT. WALLS. NAILS SHALL BE PLACED NOT LESS THAN 1/2" FROM EDGE OF PANEL AND DRIVEN FLUSH BUT SHALL NOT FRACTURE THE SURFACE OF THE SHEATHING. EXTEND SHEATHING OVER RIM AND NAIL TO RIM AND WALL PLATES 4" O.C.

SHEAR WALL SCHEDULE

TYPE	SHEATHING	NAIL	EDGE	FIELD	STAPLE EQ
TYPICAL	7/16" ONE SIDE	8d	6" O.C.	12" O.C.	16G @ 3" O.C.
SW-1	7/16" ONE SIDE	8d	4" O.C.	12" O.C.	16G @ 2" O.C.
SW-2	7/16" ONE SIDE	8d	3" O.C.	12" O.C.	NOT ALLOWED
SW-3	7/16" ONE SIDE	8d	2" O.C.	12" O.C.	NOT ALLOWED

NOTE: 16 GAUGE STAPLES MAY BE SUBSTITUTED FOR 8d NAILS AT 1/2 SPACING ON TYPICAL AND SW-1.
SW-2 AND SW-3 REQUIRE 3X OR (2) 2X ON JOINING PANEL EDGES.

MECHANICAL KEY NOTES

A. 80% MIN. EFFICIENT DIRECT VENT FURNACE.
B. 40 GALLON GAS WATER HEATER WITH TEMPERATURE SAFETY VALVE.
C. FLUE
D. ELECTRICAL PANEL
E. 13 SEER A/C UNIT
F. 4" DIAMETER STEEL BOLLARD

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ARCHWAY DESIGNS L.L.C.
ARCHITECTURAL DESIGN AND DRAFTING
WWW.ARCHWAYDESIGNS.COM

PLAN STATUS

PRELIMINARY DRAWINGS DATED:
1ST DRAFT DATED:
FINAL DRAFT DATED: 4/29/19
PERMIT SET DATED: 5/15/19

REVISIONS:

DATE: 10/30/20 CRAWL
DATE:
DATE:
DATE:
DATE:

VASHON BASE PLAN

ADDRESS:

PAGE: A 6

2018 IRC COMPLIANT

165 STATE Park Rd.
- Garage left
- 9' ceiling 2nd floor

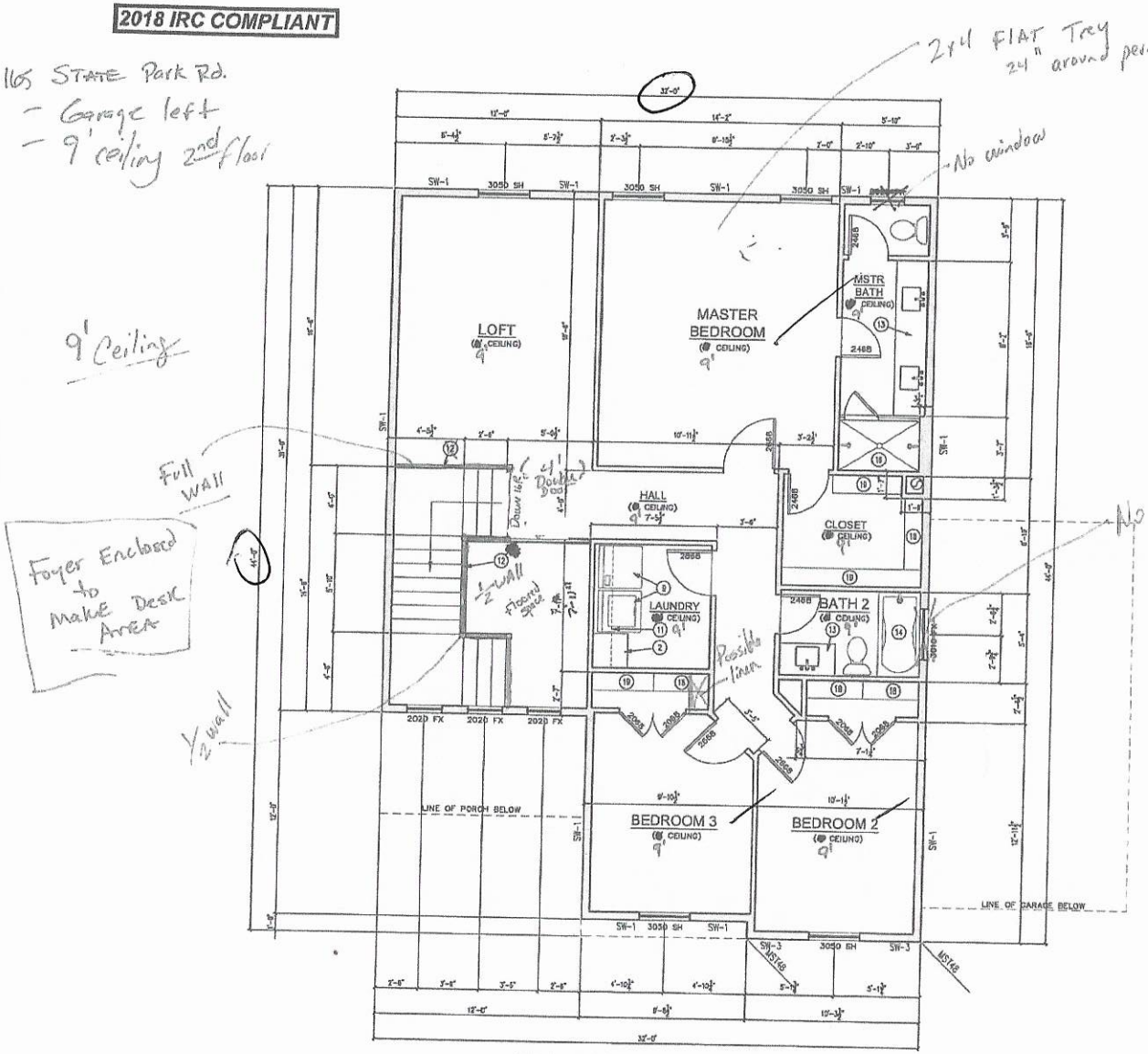
US STATE PARK

Acknowledgement Of Plans Submittal ONLY!

12/8/20 Date

Date

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UPPER FLOOR PLAN

SCALE: ¼" = 1'-0"

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3. UPPER CABINETS (TOP AT 8'-0" A.F.F.)
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ARCHITECTURAL DESIGN AND DRAFTING
www.archwaydesigns.com

PLAN STATUS

PRELIMINARY DRAWINGS DATED:

1ST DRAFT DATED:

FINAL DRAFT DATED:

4/23/18

PERMIT SET DATED:

5/15/18

REVISIONS:

DATE: 10/30/20 CRAWL

DATE:

DATE:

DATE:

DATE:

VASHON BASE PLAN

ADDRESS:

PAGE:

A 7

pd · CK# 1232 $45.00

Zoning Permit # 312997
Fee $ 45 **Code 104**

See reverse for new construction.

Zoning Permit

LOCATION	Date (mm/dd/yy)	11/5/2020	Tax Parcel #	4730572379.000
	Business Name or Property Owner	JOSHUA M. SLOAN		
	Street Address	165 State Park Rd. Troutman, NC 28166		
	Business Type and/or Project Description	new home construction		
APPLICANT	Applicant	TruNorth Homes LLC	Preferred Phone	(704) 363-2845
	Address City/State/Zip	631-300 Brawley School Rd PMB 217 Mooresville, NC 28117		
	E-Mail	garrison@trunorthhomes.com		
	Would you like your e-mail address added to: (check any of interest)	☐ The Whistle Stop (Town of Troutman newsletter) ☐ Troutman Business Council (Local Chamber of Commerce) ☐ Sunshine List (Agenda for Town Board Meetings)		

Following approval of this permit proceed to Iredell County Building Inspections (349 N Center St, Statesville, NC 28677). All Applicants, please note that final inspection by the Town is required prior to occupancy (exception, single family residential additions/expansions). Business Applicants, please note that proof of RPZ (backflow) inspection is required prior to occupancy (in addition, restaurants may be required to have a grease trap inspection).

Office Use Only

Zoning District(s)	RS	Plans Attached	Yes ☑ No ☐
Utilities	Well/Septic	Floodplain	Yes ☐ No ☑
Permitted Use of Property	SFR		
Minimum Setback Requirements	Front 25', Rear 25', Right Side 15', Left Side 15' *Setback measured from nearest projecting point of structure to Property Line.*		
Comments:	See landscaping requirements in the UDO Section 5.1.8. Front of home must be parallel to street or lot line.		

I hereby certify that all of the information provided for this application is, to the best of my knowledge, accurate and complete. I understand that this permit will expire and become invalid unless the work for which it was issued is started within six (6) months of the date of issue or is the work authorized is suspended or abandoned for a period of one (1) year.

Signature of Applicant

To the best of my knowledge, this application is deemed complete and approved based on the information provided to me and my knowledge of the Town of Troutman Unified Development Ordinance.

Signature of Zoning Administrator