ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # AP 329286

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

PIN # 4639 -- 31 -- 0401

APPLICANT/OWNER: Princeton Homes LCC APPLICANT ADDRESS: PO Box 3608 Mooresville NC 28117

SITE ADDRESS: 139 Trut Pines Drive Mooresville, NC 28117. PHONE: 704 799-9770 ALT. PHONE

SITE DIRECTIONS: Peath @ Fian Hill @ to Trust Pines Drive Lot is at the End of the Road. SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Woodleaf SECTION: 2 LOT # 74 LOT AREA: 1.084 Ac DESIGN FLOW: 480 L.T.A.R.: .30

Septic Tank 1000 (gal) STB 760 Date 9/23/23

Pump Tank (gal) PT Date

Pump Make Model Serial #

Nitrification Fields 1 # Lines 5 Linear Ft 400

Trench Width 36in Trench Bottom Depth(~~Low side~~) 36 in max Gravel Depth

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

System Description: Gravity - 25% Reduction

Repair System Description: CP-PPBP) - 50% Reduction

Maintenance Agreement Required: ☐ YES ☒ NO

☒ GRAVITY ☐ PRESSURE

☒ Residence No. Bedrooms 4

☐ Business No. Persons 8

☐ Other No. Employees

☐ Slab ☐ Crawl Space

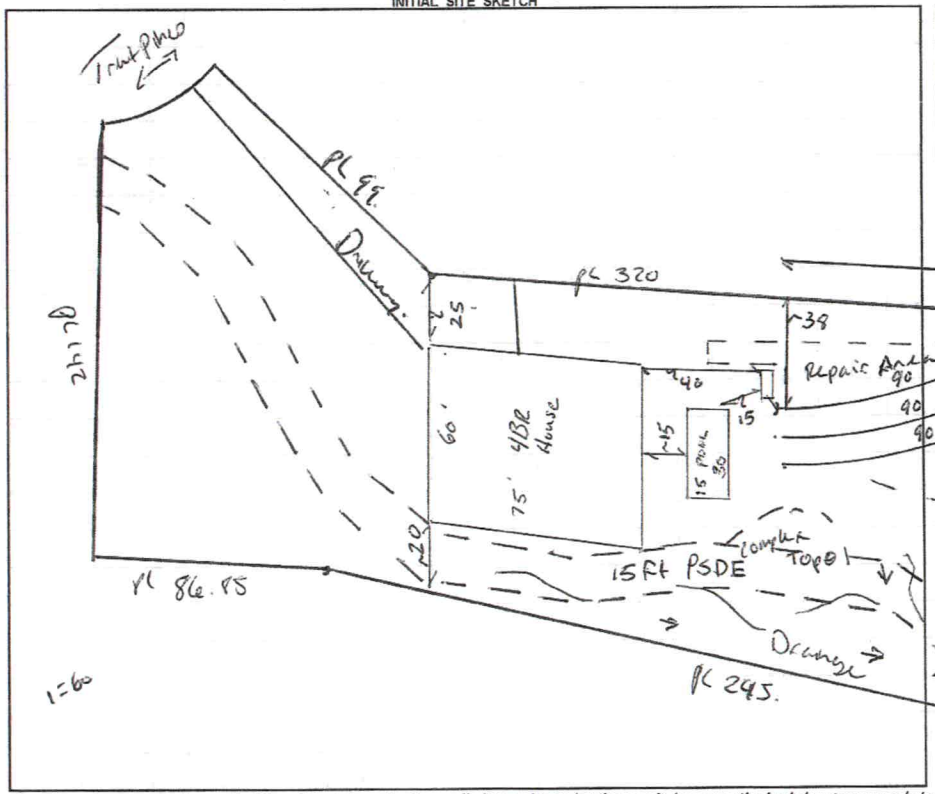
☒ Basement w/plumbing ☐ Basement w/o plumbing

Water Supply: ☐ Private ☐ Public ☐ Community

Comments / Conditions: Do not Grade, pave, gravel or bury utilities in drainfield area. Post all Boundary Corners. Erosion Control Measures shall stabilize Septic Distribution Area. Do not exceed max depth of 36 inches. Keep original JA PSDE

* Basement to have grinder pump only - whole house plumbing to go to septic tank.

INITIAL SITE SKETCH



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.

Top 3 lines are 11ft off PL

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: Richard Abernathy

IMPROVEMENT PERMIT by: Benjamin A Betts Date: 7/25/2022 OPERATION PERMIT by: Date:

AUTHORIZATION TO CONSTRUCT by: Benjamin A Betts Date: 1/18/2023 Existing System Inspected by: Date:

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

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System Description: Gravity - 25% Reduction

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Water Supply

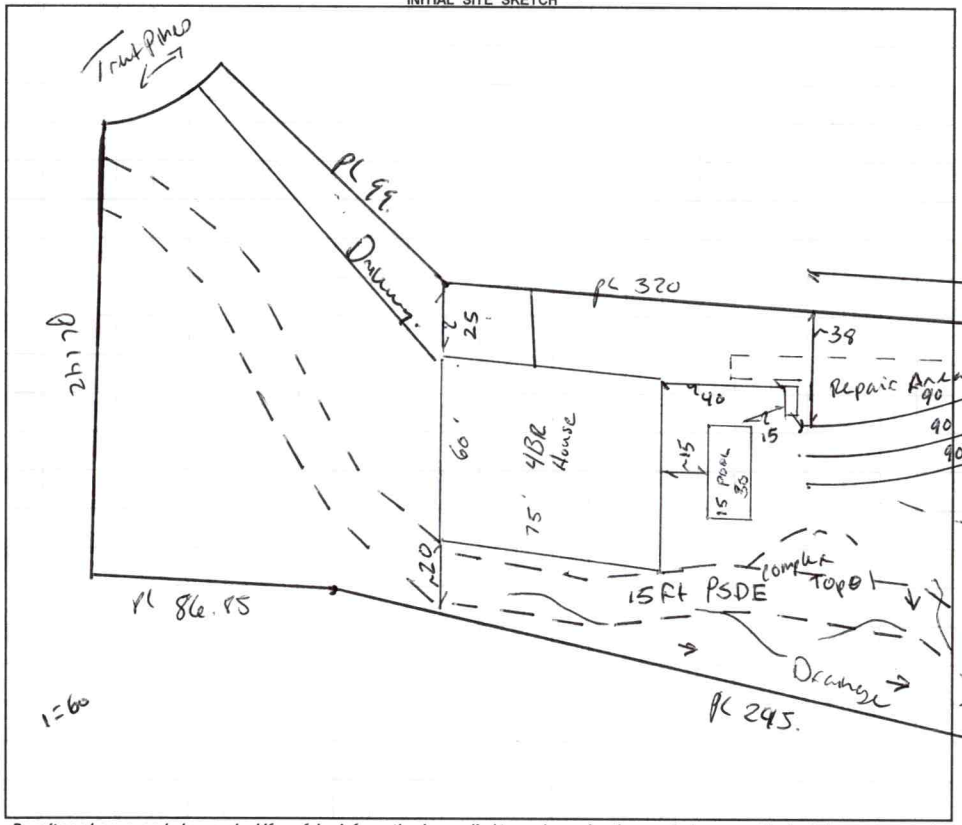
☐ Private

☐ Public

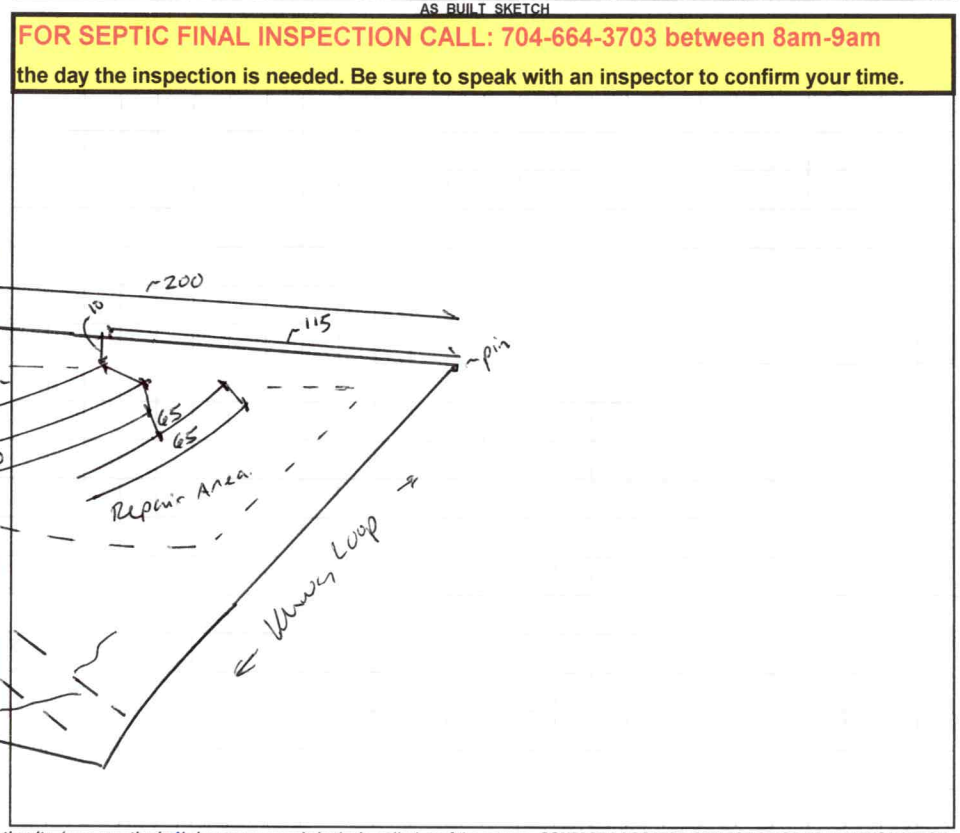
☐ Community

Comments / Conditions: Do not Grade, Pave, gravel or bury with this in drainfield Area. Install Downstream Cutoff Ditch and Stabilize Serial Distribution Do not exceed max depth of 36 inches. Keep Original Grade. * Basement to have gravity pump only - whole house plumbing to go to Septic tank.

INITIAL SITE SKETCH



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.

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Owner / Applicant Signature: Date: Installed by:

IMPROVEMENT PERMIT by: Benjamin A Batts Date: 7/25/2022 OPERATION PERMIT by: Date:

AUTHORIZATION TO CONSTRUCT by: Benjamin A Batts Date: 1/18/2023 Existing System Inspected by: Date:

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

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

Sheet 1 of 1
PROPERTY ID #:
COUNTY: Randall

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

OWNER: Princeton Homes.
ADDRESS: PO Box 3608 mvc
PROPOSED FACILITY: 4BR
PROPOSED DESIGN FLOW (.1949): 480
LOCATION OF SITE: 39 Trent Pines mvc
APPLICATION DATE 6/9/22
DATE EVALUATED: 7/6/22
PROPERTY SIZE: 1
PROPERTY RECORDED: Y/N

WATER SUPPLY: ☐ Private ☐ Public ☑ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☐ Auger Boring ☑ Pit ☐ Cut
TYPE OF WASTEWATER: ☑ Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) .1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	Side. 10%	0-30	C SBK	SS SP FR SEP	2.5YR 4/6	53	NA Lith mod	PH	PS .30
		30-53	CL WSBK	SS SP FR					
2	Side 10-12%	0-10	SC WSBK/GR	SS SP	2.5YR 4/6	56	NA Lith mod	NA	PR .30
		10-30	C SBK	SS SP FR SEP					
		30-56	CL WSBK	SS SP FR SEP					
3	S.Sl 15%	0-9	SC WSBK	SS SP FR SEP	2.5YR 4/6	54	Lith mod NH	NA	PS .30
		9-26	C SBK	SS SP FR					
		26-54	CL WSBK	SS SP FR					
		54-56	LSAPM	NS NP VFR					
4	FS 18%	0-20	C ABK		10YR 6/1 & 2.5YR				PS .1 Drip
		20-67	C/CL						

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

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948):
EVALUATED BY:
OTHER(S) PRESENT:

COMMENTS:

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope)	I	S (Sand)	1.2 - 0.8	0.6 - 0.4	SEXP (Slightly Expansive)	G (Single Grain)
CV (Convex Slope)		LS (Loamy Sand)			EXP (Expansive)	M (Massive)
D (Drainage Way)						CR (Crumb)
DS (Debris Slump)	II	SL (Sandy Loam)	0.8 - 0.6	0.4 - 0.3		GR (Granular)
FP (Flood Plain)		L (Loam)				SBK (Subangular Blocky)
FS (Foot Slope)						ABK (Angular Blocky)
H (Head Slope)	III	Si (Silt)	0.6 - 0.3	0.3 - 0.15		PL (Platy)
L (Linear Slope)		SiCL (Silty Clay Loam)				PR (Prismatic)
N (Nose Slope)		CL (Clay Loam)				
R (Ridge)		SCL (Sandy Clay Loam)			MOIST	WET
S (Shoulder Slope)		SiL (Silt Loam)				
T (Terrace)					VFR (Very Friable)	NS (Non-sticky)
	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05	FR (Friable)	SS (Slightly Sticky)
		SiC (Silty Clay)			FI (Firm)	S (Sticky)
		C (Clay)			VFI (Very Firm)	VS (Very Sticky)
		O (Organic)	None	None	EFI (Extremely Firm)	NP (Non-plastic)
						SP (Slightly Plastic)
						P (Plastic)
						VP (Very Plastic)

*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

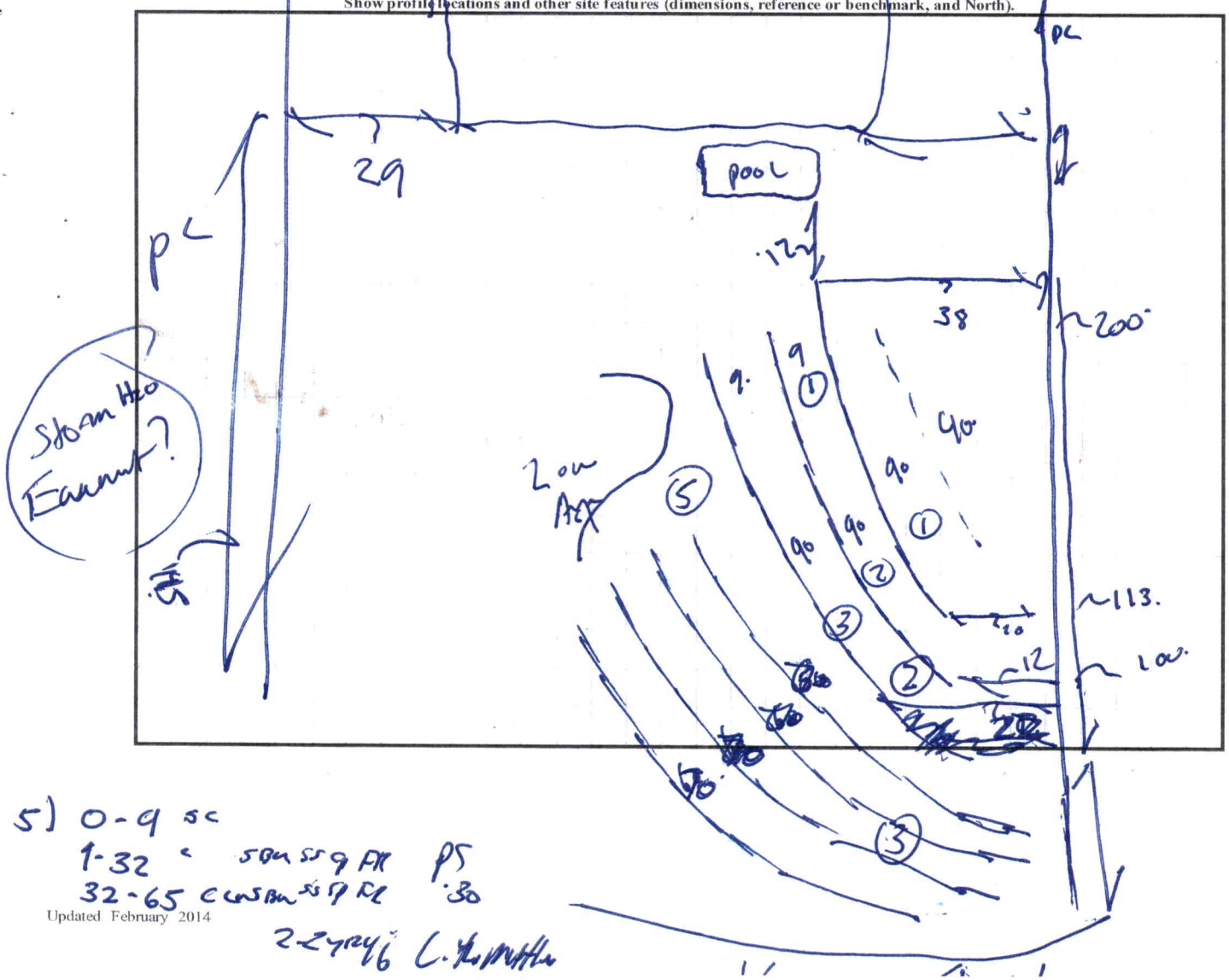
NOTES

HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
SOIL WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation
CLASSIFICATION	S (Suitable), PS (Provisionally Suitable), or U (Unsuitable)

Evaluation of saprolite shall be by pits.

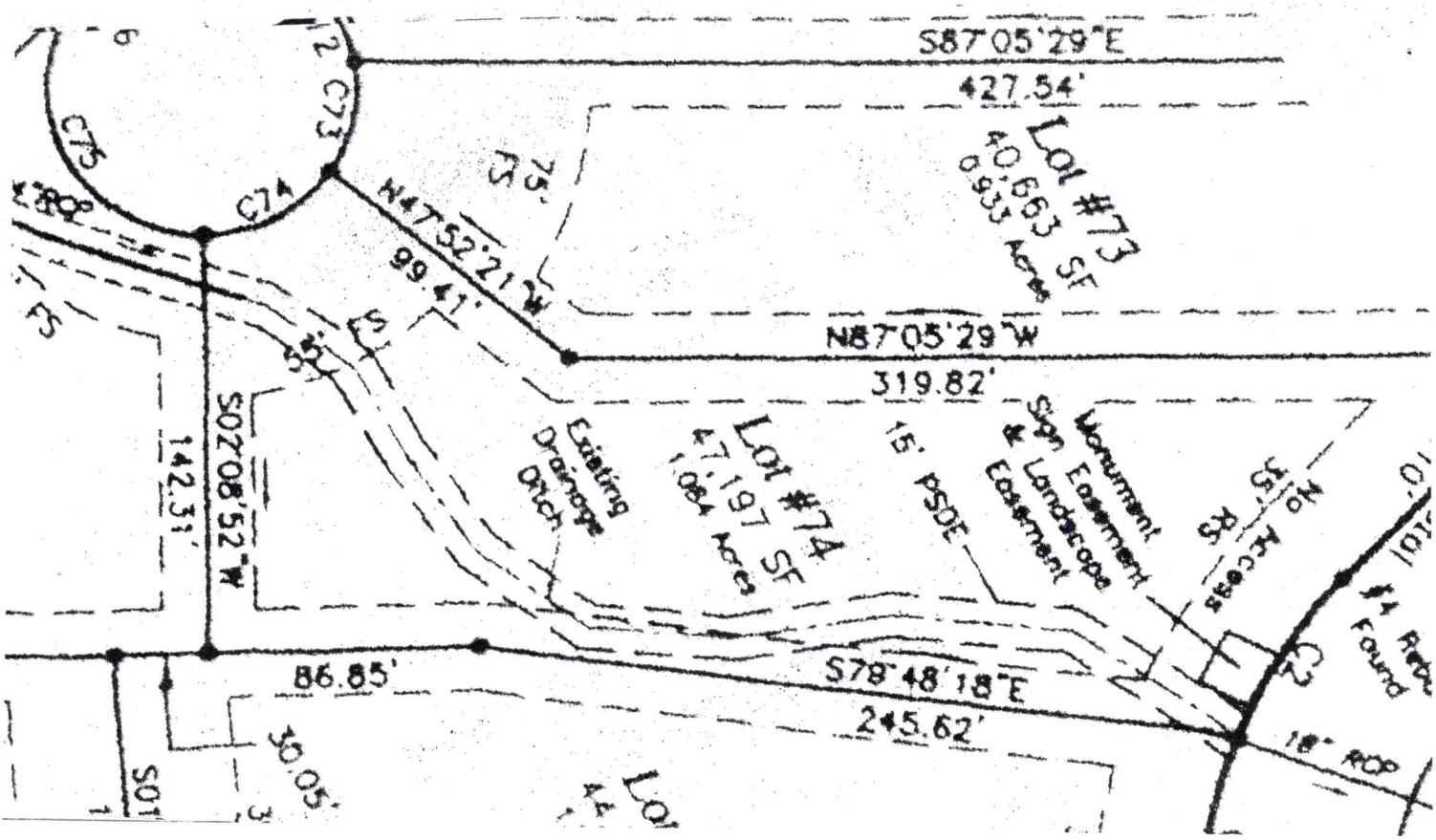
Long-term Acceptance Rate (LTAR): gal/day/ft^2

Show profile locations and other site features (dimensions, reference or benchmark, and North).

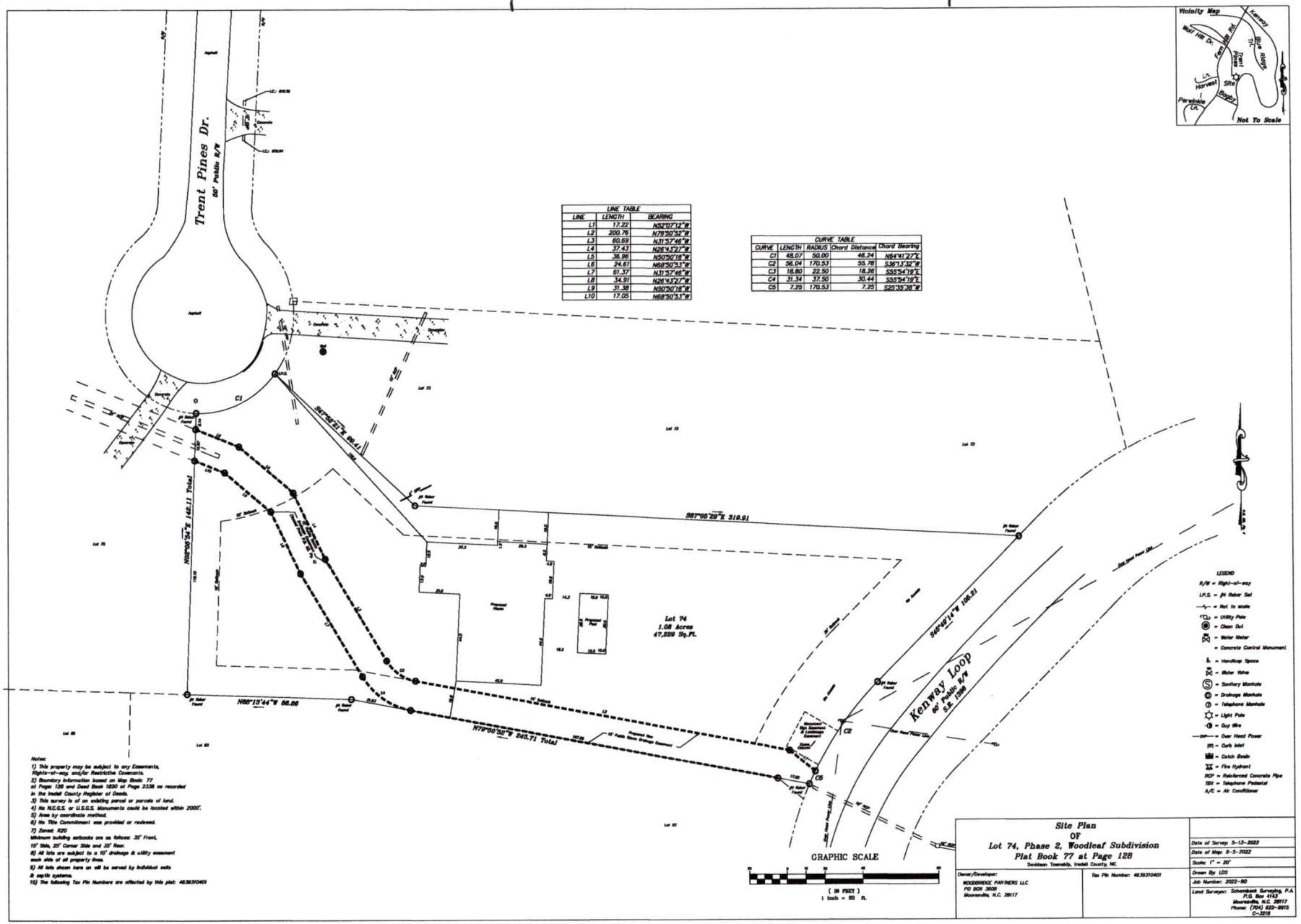


5) 0-9 SC
1-32 " SCN SS Q PR PS
32-65 C CNSBK SS SP PL .30

2 Zyrex C.


S87°05'29"E
427.54'
Lot #73
40,663 SF
0.933 Acres
C73
C74
C75
N47°52'21"W
99.41'
N87°05'29"W
319.82'
S02°08'52"W
142.31'
Existing Drainage Ditch
Lot #74
47,197 SF
1.084 Acres
15' PSDE
Monument Sign Landscape Easement
S78°48'18"E
245.62'
86.85'
30.05'
18" RCP

Per Survey septic not to be impacted.

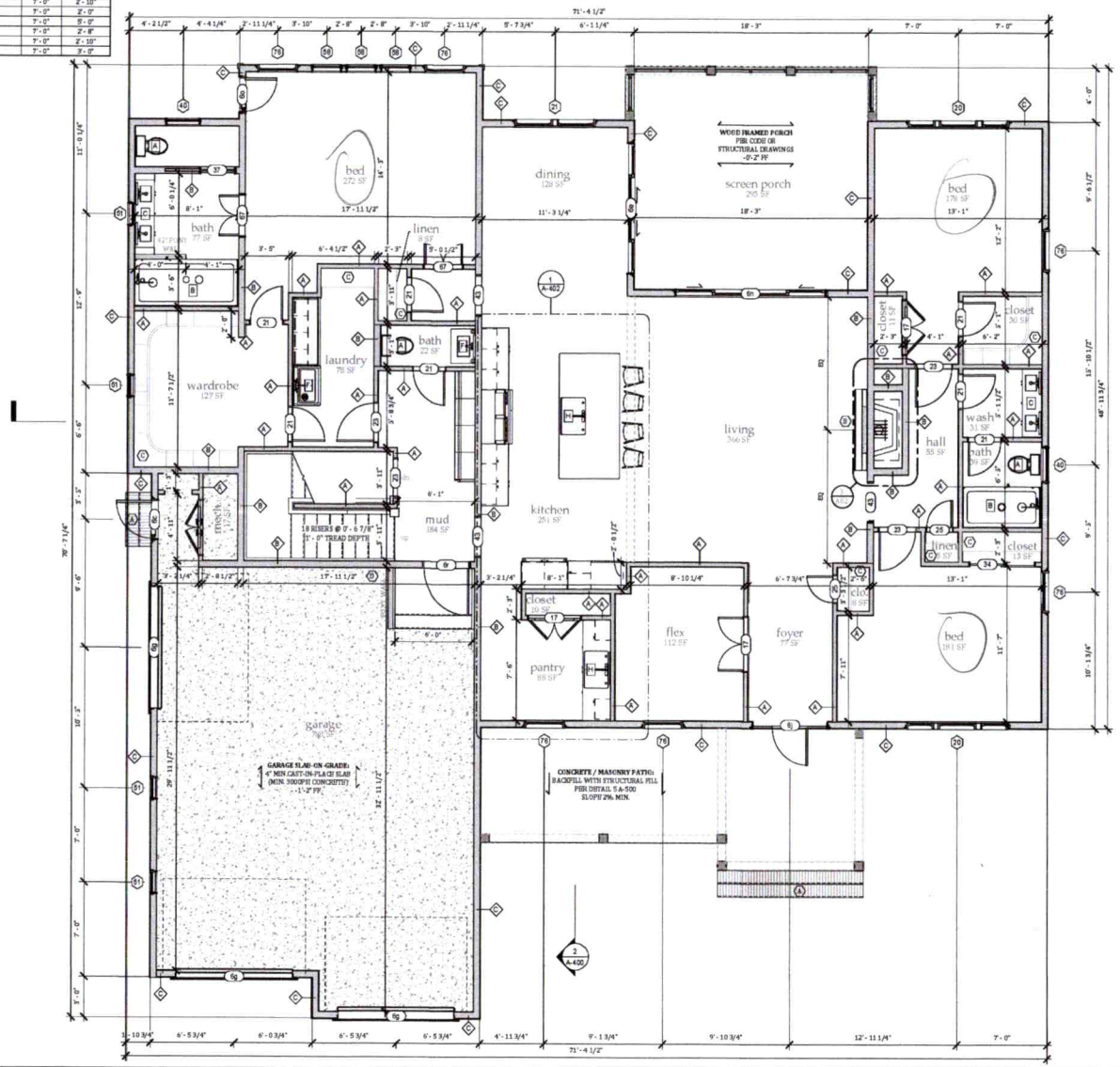


PLUMBING FIXTURE SCHEDULE		
TAG:	TYPE:	COUNT:
		4
A	Toilet	3
B	Shower Enclosure & Base	2
C	Casework - 60in Double Vanity	2
D	Bathroom Faucet	4
F		2
G	Sink - Kitchen	3

DOOR SCHEDULE			
TAG	TYPE	NOM. HT.	NOM. WIDTH
6c	Interior - Single Swing Entry	7' - 0"	3' - 0"
6e	Interior - Sliding Glass (4 Panel)	7' - 11 1/2"	9' - 9"
6g	Garage Door - Single	7' - 0"	9' - 0"
61	Interior - Single Swing	7' - 0"	3' - 0"
63	Interior - Single with Sidelights (Glass)	7' - 0"	5' - 10 5/8"
6c	Interior - Sliding Glass (4 Panel)	7' - 11 1/2"	11' - 9"
6e	Interior - Single Swing Entry	7' - 0"	2' - 8"
6f	Interior - Double Swing Entry	7' - 0"	6' - 0"
6r	Interior - Single Swing	7' - 0"	3' - 6"
17	Interior - Double Swing	7' - 0"	4' - 0"
21	Interior - Single Swing	7' - 0"	2' - 6"
23	Interior - Single Swing	7' - 0"	2' - 10"
25	Interior - Single Swing	7' - 0"	2' - 0"
34	Interior - Double Sliding	7' - 0"	5' - 0"
37	Interior - Single Pocket	7' - 0"	2' - 8"
43	Interior - Single Swing	7' - 0"	2' - 10"
67	Interior - Double Swing	7' - 0"	3' - 0"

WINDOW SCHEDULE						
TAG	TYPE	NOM. WIDTH	NOM. HT.	HEAD HT.	CENTER UNIT WIDTH	SIDE UNIT WIDTH
20	Double Hung - Multi Gang		6' - 0"	7' - 6"	3' - 0"	2' - 0"
21	Double Hung - Multi Gang		6' - 0"	7' - 6"	3' - 0"	3' - 0"
40	Fixed - Picture	2' - 8"	2' - 8"			
51	Fixed - Picture	1' - 8"	4' - 0"	7' - 0"		
53	Double Hung - Single	3' - 2"	5' - 0"	8' - 0"		
58	Fixed - Picture	2' - 4"	2' - 4"	7' - 6"		
59	Window - Skylight	1' - 10 1/2"	3' - 10 1/2"			
76	Double Hung - Single	3' - 2"	6' - 0"	7' - 6"		

NOTE: GANGED WINDOWS TO BE SPECIFIED WITH A 4" STUD POCKET BETWEEN OPENINGS.



SHEET KEYNOTES

A. EXTERIOR STAIR SHOWN FOR LOCATION ONLY. ACTUAL NUMBER OF RISERS TO BE FIELD COORDINATED TO FINISHED GRADE. STAIRS TO BE CONSTRUCTED PER OWNER SPECIFICATION & CODE.

B. MANUFACTURED FIREPLACE OR WOOD STOVE PER OWNER SPECIFICATION. CONTRACTOR TO VERIFY FRAMED SIZE AND CLEARANCE REQUIREMENTS WITH MANUFACTURER SUBMITTAL. TO BE INSTALLED AND VENTED IN ACCORDANCE WITH MANUFACTURER INSTRUCTIONS AND CODE.

C. FURNISH & INSTALL DOUBLE SHELF & ROD (PER OWNER SPECIFICATION)

D. PROVIDE ROUGH-INS FOR FUTURE GARAGE UTILITY SINK

GENERAL FRAMING NOTES

1. ALL DIMENSIONS ARE TO THE FACE OF THE STUD UNLESS OTHERWISE NOTED.
2. ALL INTERIOR DOORS TO BE CENTERED ON OPENINGS OR FRAMED 4" MIN. OFF THE FACE OF THE ADJACENT WALL.
3. VAPOR RETARDERS REQUIRED IN ALL FRAMED EXTERIOR WALLS.
4. CONTRACTOR TO VERIFY ENGINEERED WOOD AND STEEL MEMBER SIZES WHERE UTILIZED. CONTRACTOR TO FOLLOW MANUFACTURER SPECIFICATIONS FOR INSTALLATION, CONNECTIONS, NAILING PATTERNS, AND PENETRATION LIMITATIONS FOR ALL ENGINEERED FLOOR JOISTS.
5. ALL WOOD FRAMING TO BE FASTENENED IN ACCORDANCE WITH IRC TABLES R602.3(1-4).
6. NOTCHING LIMITS:
   - A. LOAD BEARING STUD=25% DEPTH.
   - B. PARTITION STUD= 40% DEPTH.
   - C. TOP PLATE = 50% DEPTH
7. DRILLING LIMITS:
   - A. LOAD BEARING STUD = 40% DEPTH.
   - B. PARTITION STUD =60% DEPTH.
   - C. TOP PLATE = 50% DEPTH
8. BLOCKING:
   - A. PROVIDE ENGINEERED WOOD BLOCKING BETWEEN FLOOR JOISTS UNDERNEATH PARALLEL WALLS IN ACCORDANCE WITH MANUFACTURER SPECIFICATIONS.
   - B. PROVIDE BLOCKING FOR ALL CASEWORK AND CABINETRY
   - C. PROVIDE FIRE BLOCKING IN ACCORDANCE WITH IRC R302.11.1.
   - D. PROVIDE FLOOR JOIST BLOCKING WHERE REQUIRED BY MANUFACTURER'S SPECIFICATIONS.
   - E. PROVIDE EXTERIOR WALL BLOCKING @ 2'7 0 C. TO SUPPORT VERTICAL SIDING. (IF APPLICABLE)
   - F. PROVIDE BLOCKING FOR ALL SHOWER ROD MOUNT POINTS.
   - G. PROVIDE SUPPORT BLOCKING FOR ALL TOILET PAPER AND TOWER HOLDERS.
   - H. PROVIDE BLOCKING FOR ALL SHOWER PANS.
   - I. PROVIDE BLOCKING FOR ALL STAIR RAIL MOUNTING POINTS.
9. CONTRACTOR TO COMPLY WITH IRC R602.10 BRACED WALL PANEL REQUIREMENTS PER LOCAL WIND EXPOSURE AND SEISMIC CLASSIFICATION.
10. EXTERIOR WINDOWS & DOORS TO BE SPECIFIED TO RESIST THE DESIGN WIND LOADS & WIND BORNE DEBRIS IMPACT RESISTANCE. WINDOWS & DOORS TO BE INSTALLED, ANCHORED & FLASHED PER MANUFACTURER INSTRUCTIONS.
11. BOTTOM OF STAIR RISERS TO BE SHEATHED IN 1/2" GYPSUM WALL BOARD, MIN.

Acknowledgement of Plans Submittal ONLY!
Date 1/6/2022
Date 1-18-2023

BOUTIQUE HOME PLANS
— WELCOME HOME —
WWW.BOUTIQUEHOMEPLANS.COM
800.577.0345

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No.	Description	Date
1	50% DESIGN REVIEW	
2	90% DESIGN REVIEW	
3	100% ISSUED FOR PERMIT	

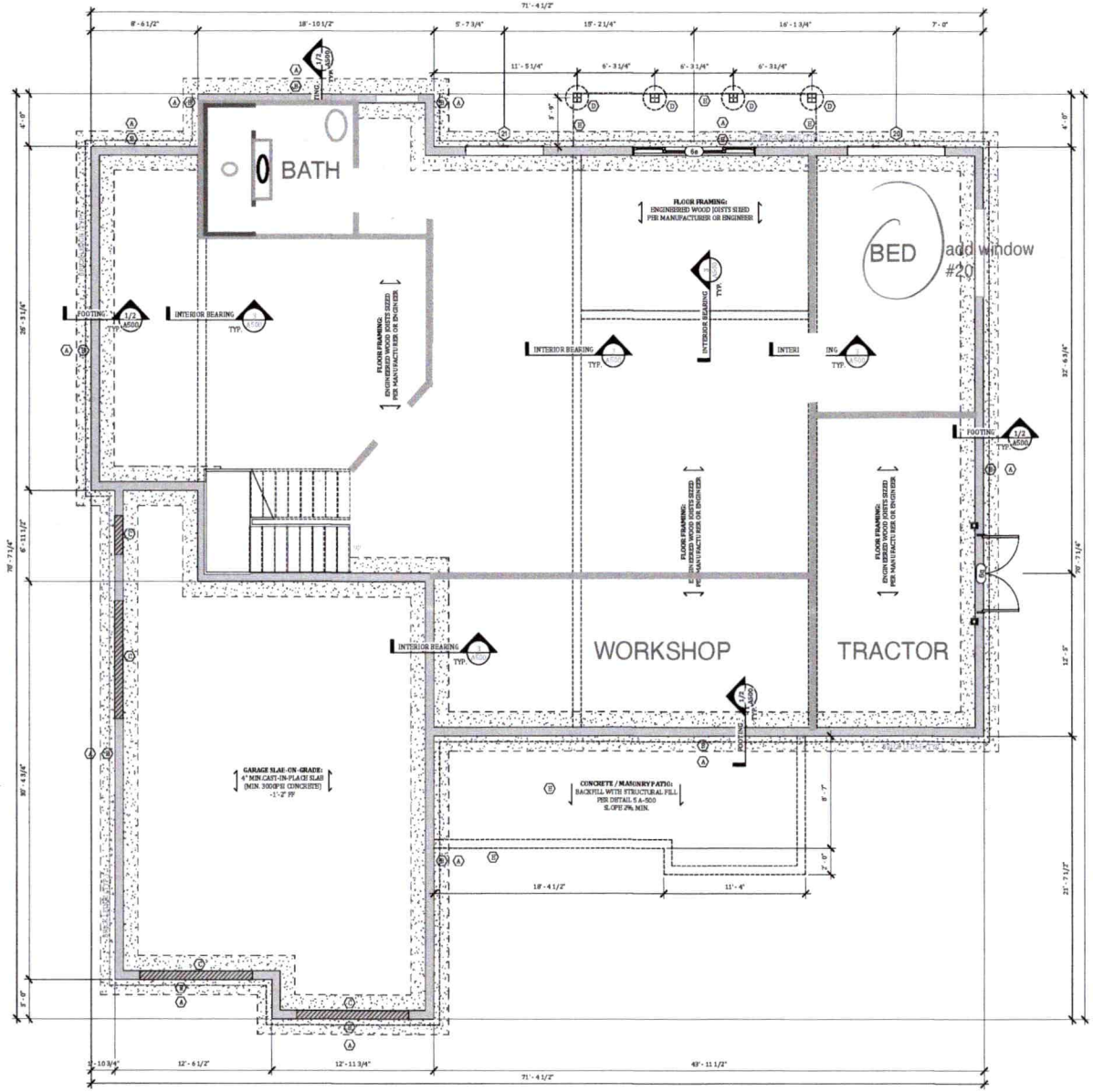
22_07a BREAK END

FIRST FLOOR PLAN

Project number C22_002

A-101

Scale As Indicated



SHEET KEYNOTES:

1. 4" DIAMETER PERFORATED PERIMETER DRAIN PIPE (TYP.) PER DETAIL SHEET A-500
2. CONCRETE OR CMU FOOTING AND/OR STEM WALL (TYP.) SEE DETAIL 1/3 A-500, SIZING TABLE 4 A-500 (SIZE, REINFORCEMENT, DEPTH AND WATERPROOFING REQUIREMENTS TO BE CERTIFIED BY STRUCTURAL ENGINEER FOR SPECIFIC SITE CONSTRAINTS AND LOCAL CODE.)

   NOTE: DIMENSION DOES NOT INCLUDE OPTIONAL BRICK LEDGE. FOR BRICK LEDGE, ADD 5" PER DETAIL 1/3 A-500
3. EXTERIOR DOOR BUCK. COORDINATE DIMENSIONS WITH DOOR SPECIFICATION.
4. ISOLATED PORCH FOOTING (TYP.) SIZED PER TABLE 1, DETAIL 8 SHEET A-500
5. APPROX. OUTLINE OF DECK GIRDER OR PATIO EDGE ABOVE (TYP.)

GENERAL FOUNDATION NOTES:

1.) GENERAL CONTRACTOR TO DETERMINE WHETHER *EXPANSIVE SOILS, COMPRESSIBLE SOILS, SHIFTING SOILS OR OTHER QUESTIONABLE SOIL CHARACTERISTICS* ARE PRESENT AND PERFORM A SOIL TEST TO DETERMINE SOIL CHARACTERISTICS & BEARING CAPACITY AT FOUNDATION USING APPROVED MEANS AND METHODS.

2.) ALL DIMENSIONS ARE TO THE EXTERIOR OF WALLS. SEE REFERENCED SECTIONS & DETAILS FOR FOOTING, KEYSOLE, AND MASONRY BEARING DIMENSIONS.

3.) IN CERTAIN REGIONS A RADON VENTING SYSTEM MAY BE NECESSARY. GENERAL CONTRACTOR RESPONSIBLE FOR DETERMINING NEED, DESIGNING AND INSTALLING SYSTEM IF NECESSARY.

4.) CONTRACTOR TO PROVIDE TEMPORARY FROST PROTECTION DURING CONSTRUCTION FOR ALL FOUNDATIONS.

5.) CONTRACTOR TO LOCATE AND PLACE WALL PENETRATIONS & SLEEVES FOR UTILITY CONNECTIONS PRIOR TO POUR.

6.) CONTRACTOR TO LOCATE AND PLACE CONCRETE PAD FOR OUTDOOR CONDENSER UNIT (IF APPLICABLE)

7.) CONTRACTOR TO LOCATE AND PLACE CONCRETE PAD FOR EXTERIOR STAIRCASES PER SITE CONDITIONS.

8.) IF APPLICABLE, CONTRACTOR TO LOCATE CONDENSATE DRAINS COORDINATED WITH THE LAYOUT OF MECHANICAL EQUIPMENT PLACEMENT.

9.) ALL WOOD IN PERMANENT CONTACT WITH FOUNDATION TO BE PRESSURE TREATED.

11.) TOP OF FOOTING SHALL BE LEVEL. BOTTOM BEARING SURFACE OF FOOTING SHALL NOT HAVE A SLOPE EXCEEDING 1:10. IN LOCATIONS NECESSITATING GREATER SLOPES, FOOTING IS TO BE STEPPED PER DETAIL 6 SHEET A-500.

12.) FOOTINGS TO BE SET BELOW LOCAL FROST LINE OR ON BEDROCK.

Acknowledgement of Plans Submittal ONLY!

Date 1/6/2022

Date 1-18-23

BOUTIQUE HOME PLANS
— WELCOME HOME —

WWW.BOUTIQUEHOMEPLANS.COM
800.577.0345

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No.	Description	Date
1	50% DESIGN REVIEW	
2	90% DESIGN REVIEW	
3	100% ISSUED FOR PERMIT	

22_07a BREAK END

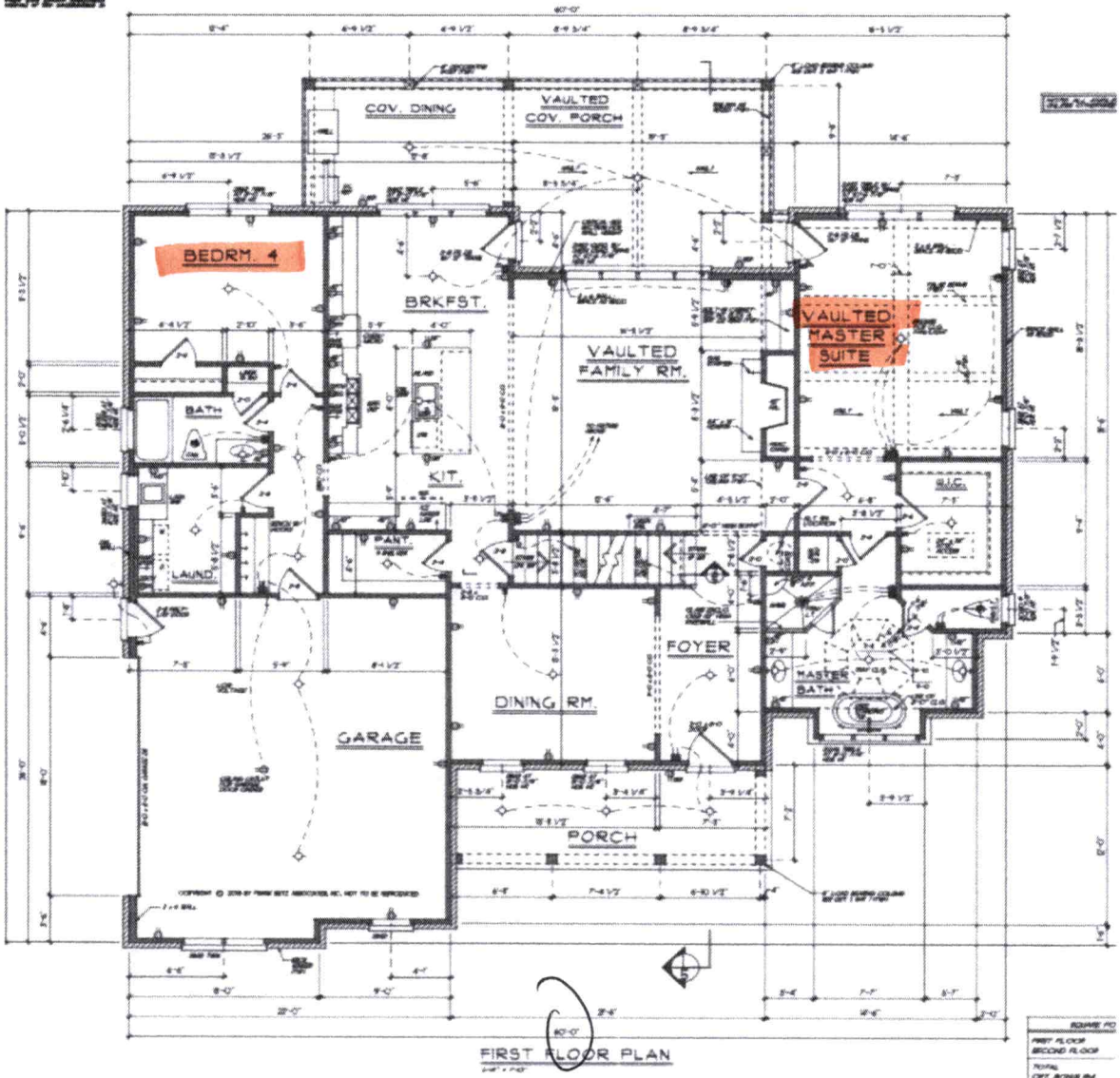
FOUNDATION PLAN

Project number C22_002

A-100

Scale As Indicated

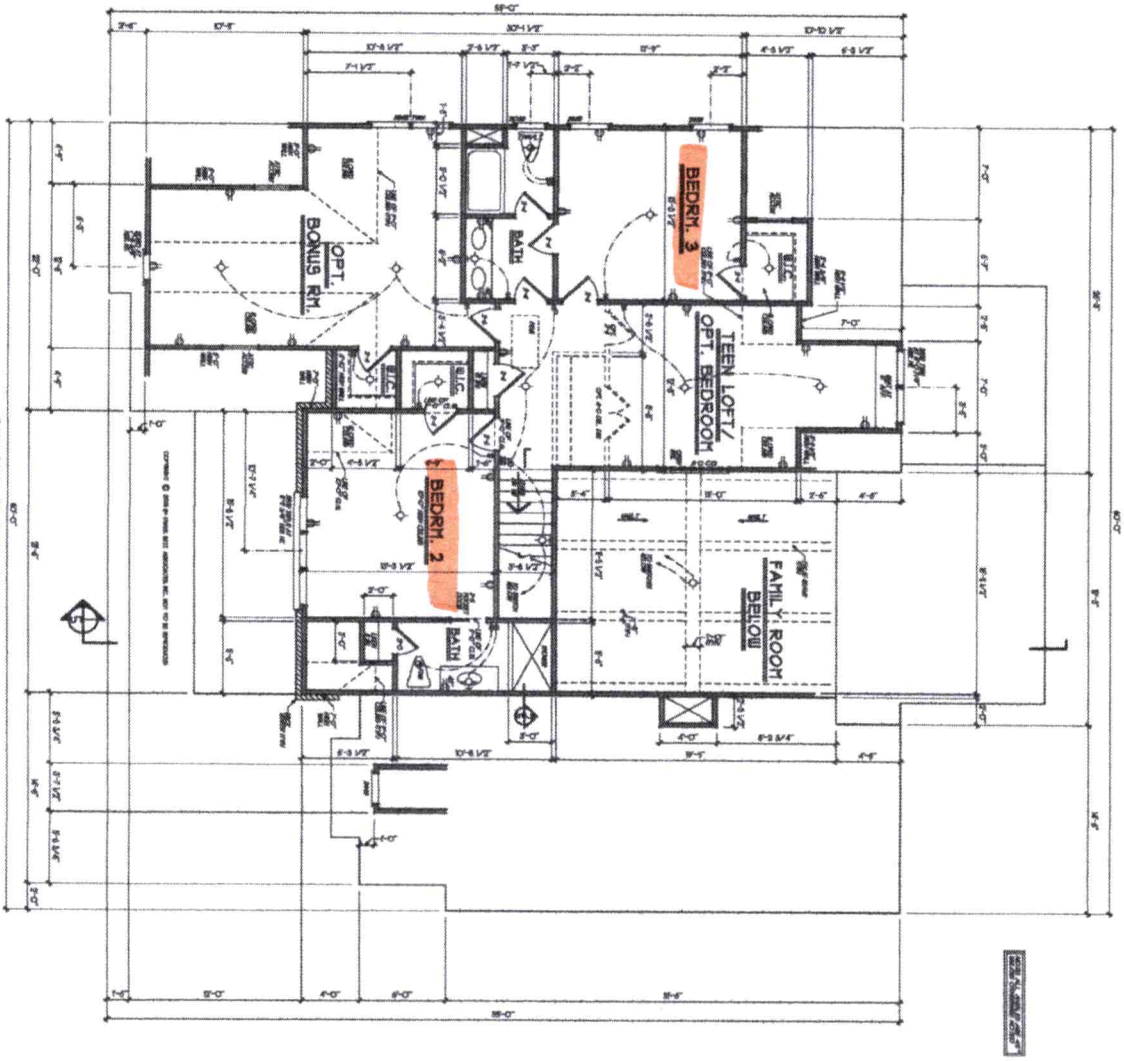
Verizon 2:32 PM
Done Chelsea walk first floo...



Acknowledgement of Plans Submittal ONLY!

_____ Date _____

_____ Date _____



www.frankbetz.com

FRANK BETZ ASSOCIATES, INC.

SECOND FLOOR PLAN

THE CHELSEA WALK

Southern Living Design Collection

10:00

3pm 3:00

IREDELL COUNTY HEALTH DEPARTMENT

Statesville Office (704) 878-5305 | Mooresville Office (704) 660-3825

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

PERMIT # 21771

PIN # 4663921606062

APPLICANT: William & Lori Swift / Lakeman APPLICANT ADDRESS: 132 Trent Pines Dr. Mooresville, NC 28117

SITE ADDRESS: 132 Trent Pines Dr. Mooresville, NC PHONE: 704-578-4951 K ALT. PHONE:

SITE DIRECTIONS: Hwy 150 W TR Peoth Rd TL Frontill TL Trent Pines 1st on left

SUBDIVISION: Wood Leaf SECTION: 2 LOT # 76 LOT AREA: 1.998 Ac DESIGN FLOW: 480 gpd L.T.A.R.: .2

Septic Tank 1000 (gal) STB 760 Date 3-4-18
Pump Tank 1000 (gal) PT 363 Date 3-6-18
Pump Make Goulds Model WE0 912H Serial #
Nitrification Fields 1 # Lines 5 Linear Ft: 400'
Trench Width 24" Max. Trench Bottom Depth 24" Low Style Gravel Depth N/A

☒ New System ☐ Repair ☐ Expansion System Type: I II III IV V VI
System Description: LPPPBPS
Repair System Description: LPPPBPS
Maintenance Agreement Required: ☒ YES ☐ NO
☐ GRAVITY ☒ PRESSURE

☒ Residence No. Bedrooms 4
☐ Business No. Persons 8
☐ Other No. Employees
☐ Slab ☒ Crawl Space
☐ Basement w/plumbing ☐ Basement w/o plumbing

Water Supply: ☒ Private ☐ Public ☐ Community

Comments / Conditions: A Must have 6" of top soil over Septic System

Floor plans submitted are 6' wider than what permit shows. OK to be 6' wider + shift house 6' to left. Will NOT impact septic.
6/29/18 Check upper LL drainlines @ 3 pm
4:30pm Checked last line & tanks JMZ

INITIAL SITE SKETCH

See attached/approved plan by The Oaks Group, PA
Kathleen Saunders
(dated 4/4/16)

AS BUILT SKETCH

supply line checked 7/2/18 CCC

	Date	Initials
Drain Lines Checked	6/29/18	JMZ
Tanks Checked	6/29/18	JMZ
Pressure Manifold or Valve Box Checked	7/2/18	SS
Pressure Head Set	9/13/18	BB.
Electrical Checked	9-11-18	KW
Floats Set		
Alarm Checked	9/13/18	SS
Maintenance Contract Y/N		N/A

*Need to Approve for Drainfield ✓ → Maria checked

9/12/18: Tried setting head and it could not equalize. -SS

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: [signature] Date: 4/8/16 Installed by: Gunter Grading

IMPROVEMENT PERMIT by: [signature] RS Date: 4/6/16 OPERATION PERMIT by: Date:

AUTHORIZATION TO CONSTRUCT by: [signature] Date: 3-20-18 Existing System Inspected by: Date:

Health Dept. Copy - WHITE Applicant (Final Approval) - YELLOW Applicant (Conditional Approval) - PINK

Approved
4/6/16
MD

Woodleaft Lot 76 Fast Track Septic System Information

Number of Bedrooms	4
Basement or Crawl	**Crawl Space**
Design Flow (gpd)	480
LTAR (gpd/ft2)	0.2
Primary System Type	**LP PPBPS**
No. Lines	5 (See Table)
Minimum Linear Feet	400
Total Linear Feet	400
Trench Width	2' min.
Trench Spacing	8' min.
Trench Depth (low side)	24" Per Existing
Pump Required	Yes
Distribution Device	Gate Valve Box w/ LPP Distribution
Maintenance Agreement Required	Yes
Length and Diameter of Supply Pipe	135' of 3" SCH 40 PVC
Size of laterals	1 1/4" SCH 40 PVC
Flow Rate through the system	45 gpm
Elevation head	Approx: 19.5 ft
Pressure head	3 ft
Friction head	1.0 ft
20% Contingency	4.7 ft
Total Head	28.2 ft
Pump Requirements	45 gpm @ 28.2' of head To be designed by installer.
Maximum Dosing Volume	324 gal -1.5 doses/day @ design flow*
Volume of water pumped per dose	Calculated to specific tank by measure or dealer engineering specifications (1 cubic ft. of water equals 7.48 gal.)
Pump Run per dose	approx. 7.2 min.
Check Valve	Yes
Siphon Break hole	no
Repair System	**LP PPBPS**
Total Linear Feet	335
Repair LTAR	0.25

***Before placement of cap block, one panel on each line near the center of the field should be observed filling to make certain that it does not overflow top chamber into air chambers of panel. If overflow occurs, reduce floats by 25 gallons and reset until no overflow is observed.**

RECEIVED JUN 9 - 2022

BB

APPLICATION MUST BE FILLED OUT COMPLETELY & BE LEGIBLE OR IT WILL NOT BE PROCESSED

Iredell County Health Department – Environmental Health Division

PAGE 1: *APPLICATION FORM* AP-329286 - $500.00

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 ( ) Custom Site Plan, scaled no more than 1 inch = 60 feet

Applicant Information: (PRINT CLEARLY) 704-235-8211 - Martin.

Applicant Name: Princeton Homes LLC **Address:** PO Box 3608 Mooresville, NC **Zip:** 28117
Applicant Email: richard@homesbyprinceton.com **Phone:** 704-799-9770 **Alt. Phone:**
Owner Name: Woodbridge Partners LLC **Address:** PO Box 3608 Mooresville, NC **Zip:** 28117
Owner Email: michael@homesbyprinceton.com **Phone:** 704-799-9770 **Alt. Phone:**

Property Information:

Street Address: 139 Trent Pines Dr. Mooresville, NC 28117
Subdivision Name: Woodleaf **Section/Phase:** 2 **Lot Number:** 74
Driving Directions: Perth Rd, TL onto Fern Hill Rd, TL onto Trent Pines Dr. Lot is at the end of the road.

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

Maximum Number of Bedrooms: 4
Maximum Number of Occupants: 8
(✓) Swimming Pool
( ) Other Addition/Structure:

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

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:

Please answer the following to the best of your ability:
( ) Yes (✓) No Does the site contain any jurisdictional wetlands?
( ) Yes (✓) No Is any non-domestic sewage (i.e. industrial) to be generated?
( ) Yes (✓) No Is the site subject to approval by any other public agency?

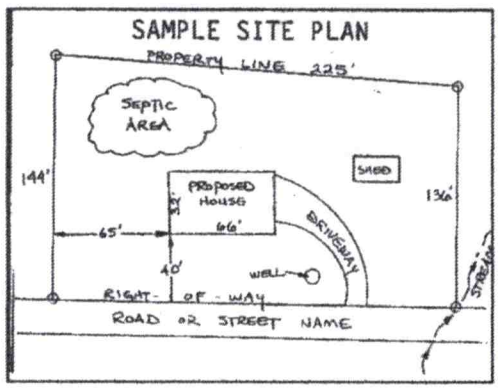
I have read this application and certify that the information provided herein is true, complete, and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible for the proper identification and labeling of all property lines and corners and making the site accessible so that a complete site evaluation can be performed.

Signature: _____ 5/25/2022
Property owner or owner's legal representative signature (SIGNATURE REQUIRED) **DATE**

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:

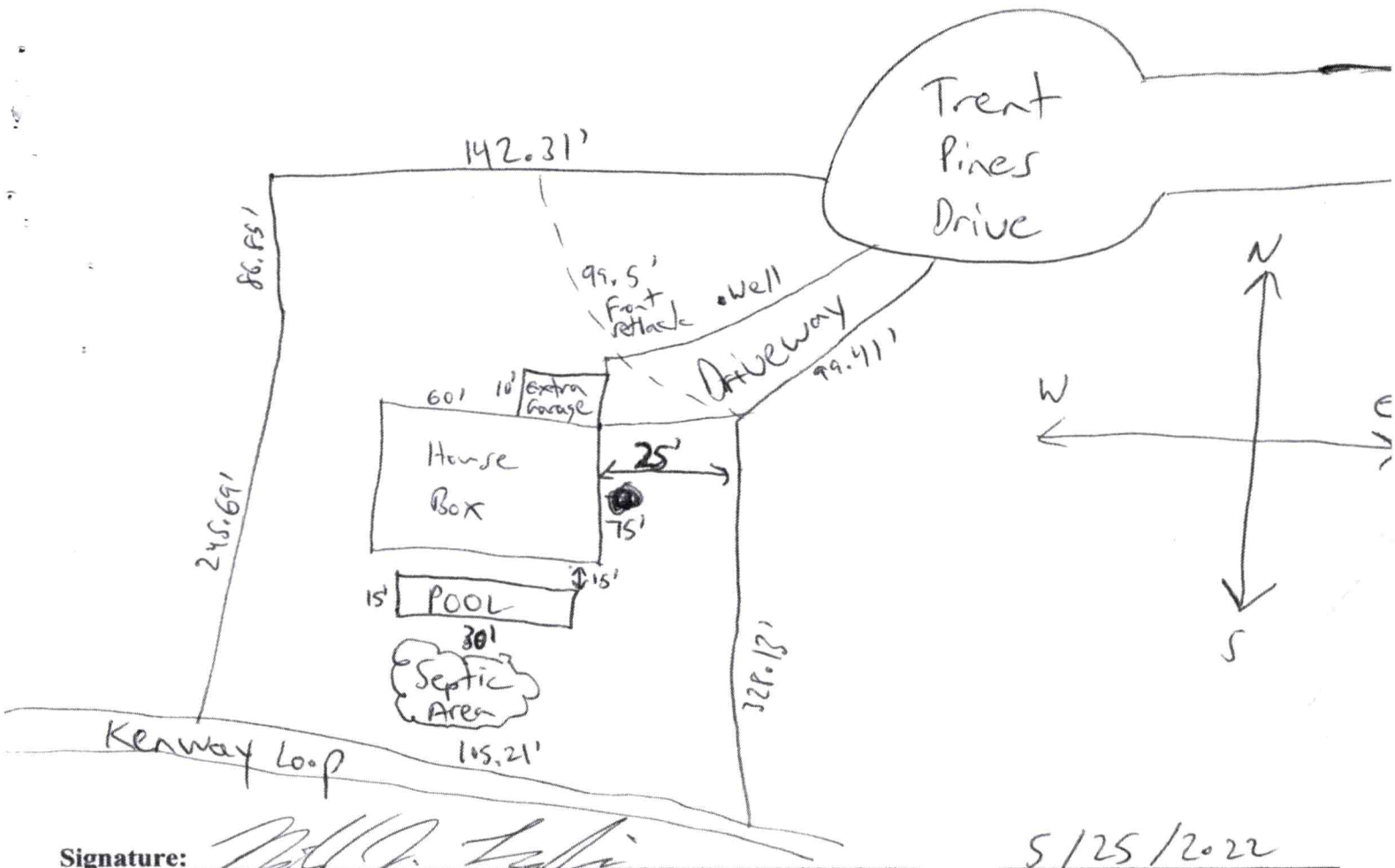
- (X) **Property Line measurements are clearly identified**
- (X) **All proposed structures are indicated**
- (X) **Front and side setbacks from property line**
- (X) **Preferred driveway location**
- (X) **Preferred well location**
- (X) **Preferred septic system location**
- (X) **North arrow, or other 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



Signature: _____ 5/25/2022

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

IREDELL COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH

DOCUMENTATION TO AUTHORIZE AN OWNER'S LEGAL REPRESENTATIVE

(Check and sign only ONE of the options below)

1. *** APPLICANT AND OWNER ARE THE SAME. *** (*Sign here*) _____

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.

2. I, Jeffery Cernuto, Manager, Woodbridge Partners, LLC, am the legal owner(s) of the property located at 139 Trentliner Dr. Mooresville, NC 28117, identified as

PIN (Parcel Identification Number) 4639310401, located in Iredell County, North Carolina.

I do hereby authorize **(print legal representative/company name)** Martha S. Landis/Richard Landis, Princeton 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.

_____ 05/25/2022

Signature of Owner(s) Date

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

ENVIRONMENTAL HEALTH REQUIREMENTS for SEPTIC and WELL PERMITS

The following items must be completed *PRIOR* to the *SUBMITTAL* of any Environmental Health Application. Incomplete applications will be returned to the applicant and cannot be processed or placed on the work list.

***** Initial all lines below to indicate you have submitted each form and completed every site requirement *****

MR **Complete all Environmental Health forms**:
- MR Application
- MR Site Plan including the dimensions of proposed structure, addition, pool etc.
- MR Documentation to Authorize Owner Agent (even if the property owner is the applicant – complete section 1 or 2)
- MR Copy of Zoning Permit when applicable
- MR Sign this sheet after you have completed all items

MR **Lot must be cleared of heavy undergrowth.** In order to evaluate the lot, the footprint of the proposed structure must be visible. Adequate area for the septic drain field and repair area must be sufficiently cleared of heavy undergrowth, with **50 feet of visibility** in all directions. Inspectors must be able to evaluate the property, shoot laser level elevations, layout the drain field, do soils work, etc. **If the lot is not cleared sufficiently, then a $100 site revisit fee will be charged and the evaluation will be put on HOLD until the requirement is met.**

MR **Clearly mark all property corners by locating existing iron or concrete markers**. Flag all property lines every 25 feet if adjacent corners are not visible when standing on any given corner. Property lines must be flagged by a licensed NC surveyor & easily identified **prior to application submittal** (exception may apply for septic repair evaluations only).
'Mow lines' and/or fence lines do NOT constitute marked lines. **If the property lines are not properly marked when the lot is ready to be evaluated, then the application will be put on HOLD and a $100 site re-visit fee charged.**

MR **Stake or flag the footprint of the proposed structure, addition, pool etc. to match the site plan submitted.** The proposed structure, etc. **must be staked** out on the property as per the site plan.

MR If an **Authorization to Construct (AC) is desired**, submit a recorded copy of the plat for newly created or subdivided lot(s) and a LEGIBLE copy of the basic floor plan no larger than 8 ½" x 14" for each floor of the structure including decks, porches, etc. **The overall dimensions must be clearly noted & the rooms labeled.**

Any site not meeting the above requirements when staff arrives for the evaluation will result in a $100 site revisit fee being charged and the request being placed on HOLD. This will delay the processing of the application.
Once work by Environmental Health staff begins, the up-front fees paid toward securing any health department permit are non-refundable. Refunds for work not started, due to a customer changing their mind or plans, are subject to an administrative fee of $50 to defray a portion of the costs of processing the refund.

Backhoe pits are required for all applications that require a soils evaluation.
DO NOT DIG PITS UNTIL THE EH SPECIALIST HAS AUTHORIZED AND SCHEDULED YOUR EVALUATION TIME.
- All utilities shall be marked before pits are dug. Call NC 811 for this service.
- **The applicant/agent is responsible for securing these services**
- **Backhoe pits are to be dug at the locations and depths determined by the Environmental Health Specialist or a NC Licensed Soil Scientist. A minimum of four pits must be dug.**
- **The EH specialist will contact you when your application is ready to be processed for pit scheduling.**
- **Your backhoe operator must be on site during the EH Specialist's evaluation to prevent your operator from having to return to the property for additional work.**

By signing below I am acknowledging the above specifications have been met and the site is READY to be evaluated AND I understand the backhoe pit requirement and will secure those services (if applicable).

Signature _____ **Date** 5/25/2022

Questions? Contact the Environmental Health Offices below:

Statesville Office
349 North Center Street (2nd Floor Building Standards)
Statesville, NC 28677-4063
Phone: (704)878-5305 ext. 3456

Mooresville Office
610 East Center Avenue (2nd Floor Govt. Center South)
Mooresville, NC 28115-2548
Phone: (704)660-3625