ICHD - ENVIRONMENTAL HEALTH DIVISION

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

PERMIT # OSWP-2022-5138

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

PIN # 4711-33-3639

APPLICANT / OWNER: Mike Jackson | APPLICANT ADDRESS: 161 Wheatridge, Statesville, NC 28625

SITE ADDRESS: 116 HARBOR RIDGE DR, STATESVILLE, NC 28677 | PHONE: 843-458-7581 | ALT. PHONE:

SITE DIRECTIONS: N Old Mountain -> L Buffalo Shoals -> L Laurel Cove -> R N Harbor Watch -> L Harbor Ridge -> lot on corner | SAP CONTROLLED: YES ☐ NO ☑

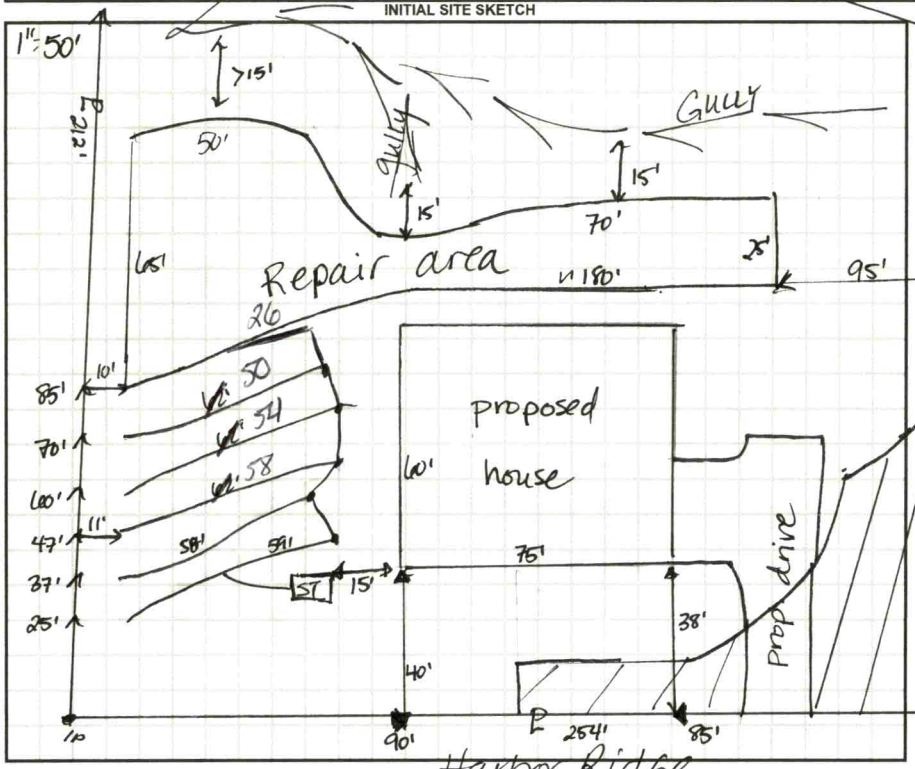
SUBDIVISION: Harbor Watch | SECTION: 4 | LOT #: 165 | LOT AREA: 1.22 | DESIGN FLOW: 360 | L.T.A.R.: 0.3

Septic Tank: 1000 (gal)	STB: 160	Date: 3/6/23	☑ New System ☐ Repair ☐ Expansion	System Type: III	☑ Residence	No. Bedrooms: 3	Water Supply: New Well
Pump Tank: (gal)	PT:	Date:	System Description: 25% Reduction		☐ Business	No. Persons: 6	
Pump Make:	Model:	Serial #:	Repair System Description: 50% Reduction - VPPBPS		☐ Other	No. Employees:	
# Nitrification Fields: 1	# Lines: 5	Linear Ft.: 302	Maintenance Agreement Required: ☐ YES ☑ NO		☐ Slab	☐ Crawl Space	
Trench Width: 36	Trench Bottom Depth (Low side): 24		Gravel Depth: 0	☑ GRAVITY ☐ PRESSURE	☐ Basement w/ Plumbing	☑ Basement w/o Plumbing	

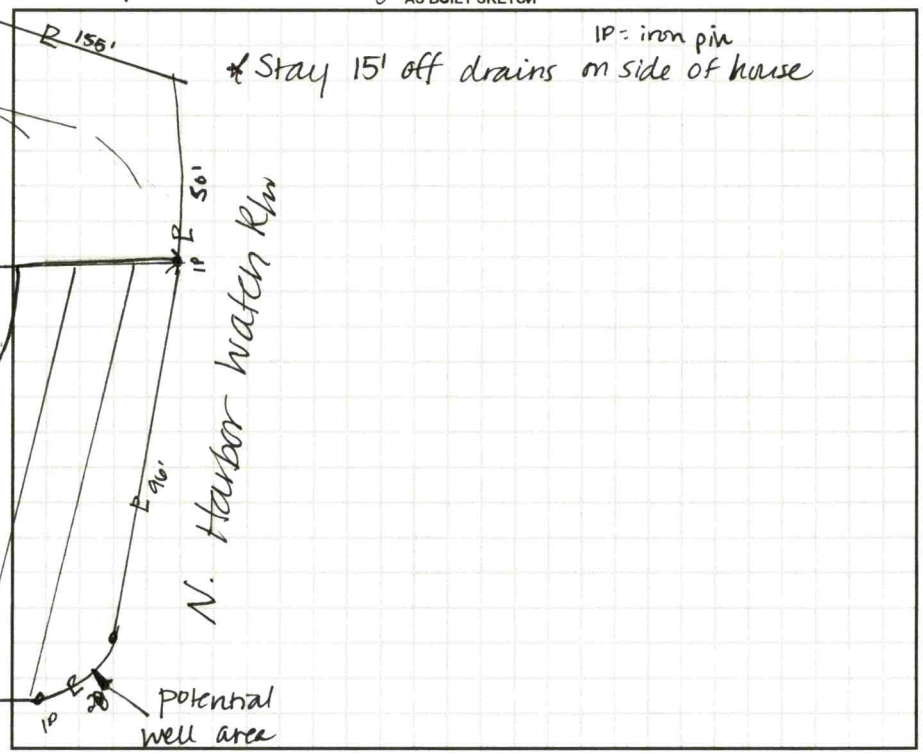
Comments / Conditions: Do not pave, grade, park, drive, or bury utilities in drainfield areas. If plumbing is added to the basement a grinder pump will be needed to bring sewage to septic tank. Install on contour, use serial distribution.

May move tank to get gravity - follow setbacks

INITIAL SITE SKETCH



AS BUILT SKETCH



Permit can be suspended or revoked if any false information is supplied toward securing the permit / any unauthorized changes are made to the site / any unauthorized changes are made in the installation of the system. CONTACT A LOCATOR SERVICE PRIOR TO ANY EXCAVATION

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

Owner / Applicant Signature: | Date:

IMPROVEMENT PERMIT by: D. Weber | Date: 10/17/22

AUTHORIZATION TO CONSTRUCT by: D. Weber | Date: 10/17/22

Installed By: Kevin Bowles

OPERATION PERMIT by: | Date: 5/11/23

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 #: 4711333639
COUNTY: Iredell

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

OWNER: Mike Jackson
ADDRESS: 161 Wrightridge Statesville NC
PROPOSED FACILITY: BR
LOCATION OF SITE: 105 Harbor Ridge Dr. Statesville
APPLICATION DATE: 9/21/22
DATE EVALUATED: 10/13/22
PROPOSED DESIGN FLOW (.1949): ~~450~~ 360 gpd
PROPERTY SIZE: 1.26
PROPERTY RECORDED: Y

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	LS 15	0-12	SCL -	SSSP-FR-SLVP	few sap incl 12"+	52" common 30"+	N/A	N/A	PS 0.3
		12-30	C - SBK	↓					
		30-48	C/CL - SBK M-N						
2	LS 20	0-10	SCL - SBK	SSSP-FR-SLVP	sap incl common 32"+	52"	N/A	N/A	PS 0.3
		10-32	C - SBK	↓					
		32-52	CL - WSBK						
3	LS 20%	0-10	SL - SBK	SSSP-FR-SLVP	sap incl mica	51" sap incl 39"	N/A	N/A	PS 0.3
		10-39	C - SBK	↓					
		39-51	CL - WSBK						
4	LS 20%	0-8	SC - SBK	SSSP-FR-SLVP	sap incl common 33"+	51"	N/A	N/A	PS 0.3
		8-33	C - SBK	↓					
		33-45	CL - WSBK						
		45-53	L - WSBK						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	300'	200'
System Type(s)	25%	50% Red
Site LTAR	0.3	0.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: D. Wiebert
OTHER(S) PRESENT: K. Bowles, N. Bowles, M. Jackson

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 v. Very Sticky)	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.

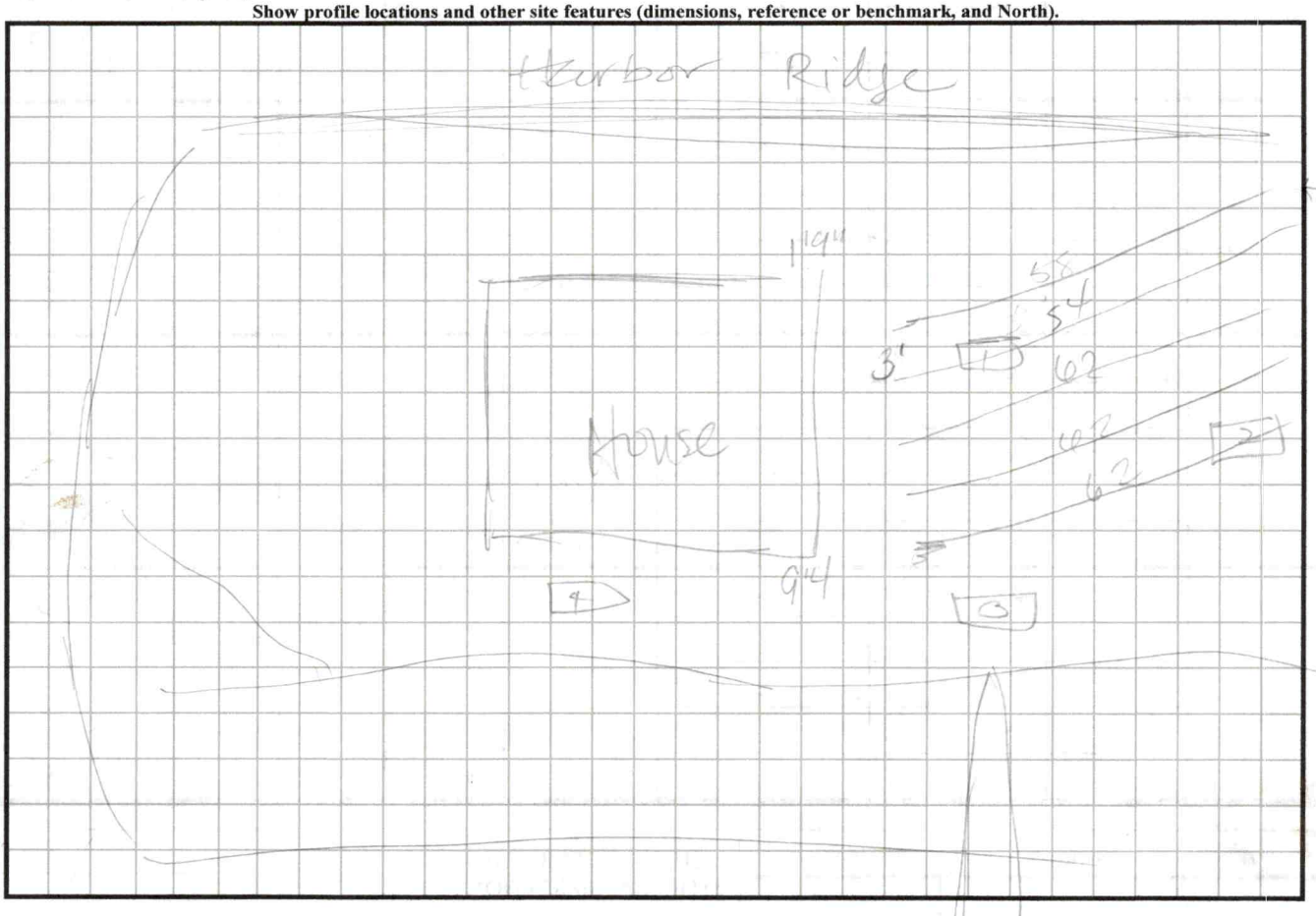
NOTES

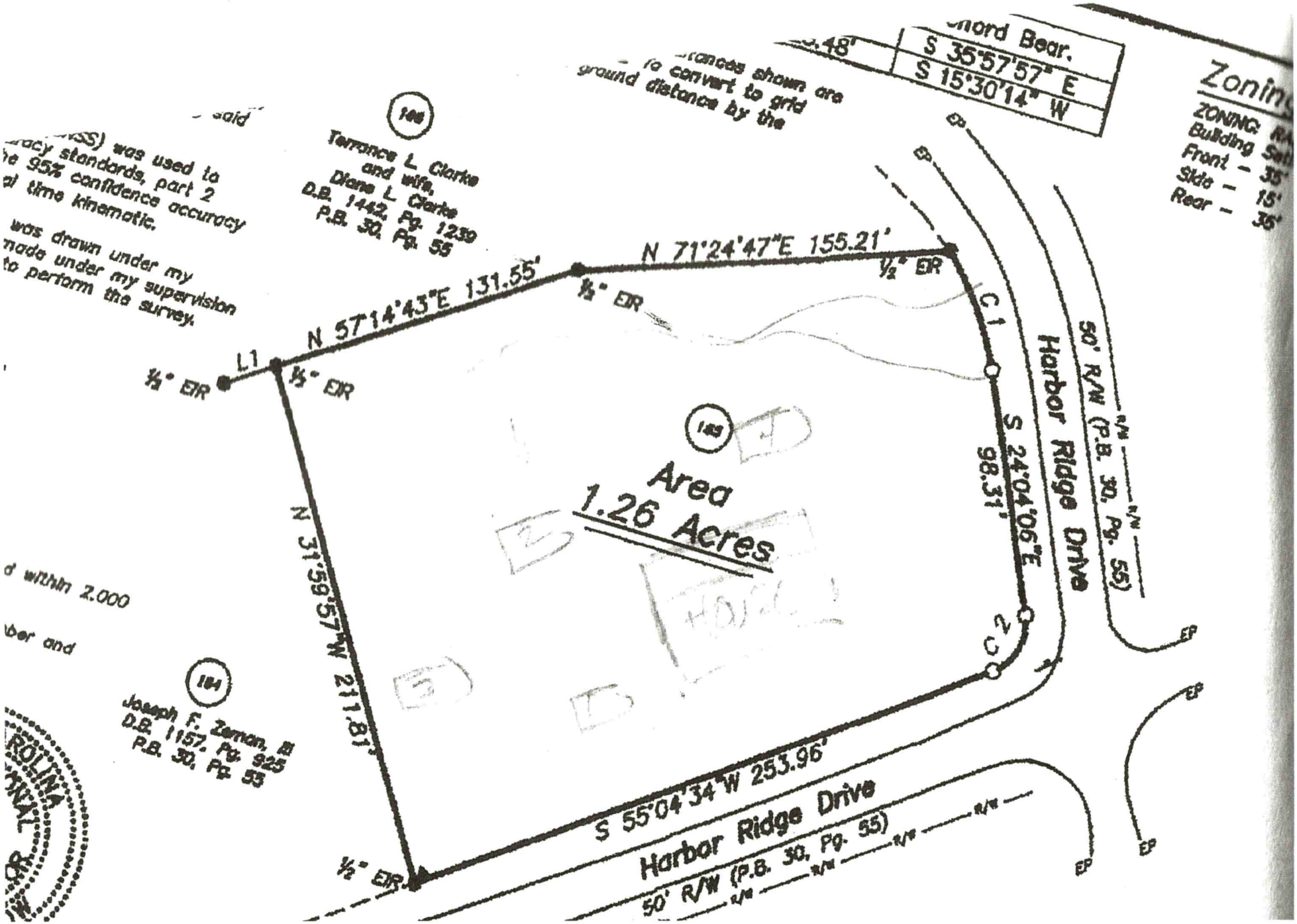
HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
SOIL WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or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

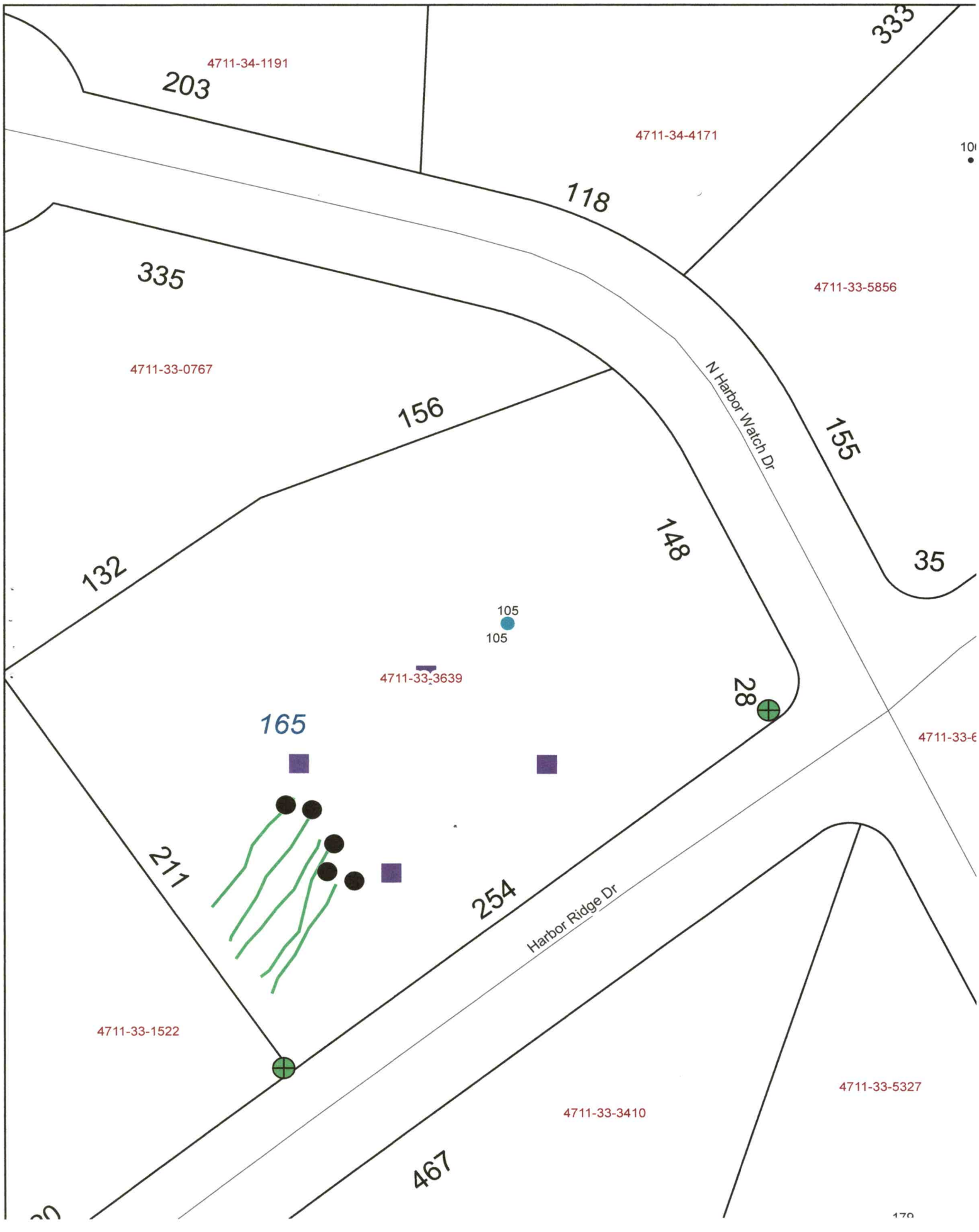
Evaluation of saprolite shall be by pits.

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

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




Chord Bear.
S 35°57'57" E
S 15°30'14" W
Zoning
ZONING: RA
Building Set
Front - 35'
Side - 15'
Rear - 35'
ances shown are
to convert to grid
ground distance by the
said
vSS) was used to
racy standards, part 2
he 95% confidence accuracy
al time kinematic.
was drawn under my
made under my supervision
to perform the survey.
d within 2.000
ber and
146
Terrance L. Clarke
and wife,
Diane L. Clarke
D.B. 1442, Pg. 1239
P.B. 30, Pg. 55
N 71°24'47"E 155.21'
½" EIR
½" EIR
N 57°14'43"E 131.55'
½" EIR
L1
½" EIR
C1
S 24°04'06"E
98.31'
Harbor Ridge Drive
50' R/W (P.B. 30, Pg. 55)
R/W
EP
183
Area
1.26 Acres
N 31°59'57"W 211.87'
C2
184
Joseph F. Zaman, III
D.B. 1157, Pg. 925
P.B. 30, Pg. 55
S 55°04'34"W 253.96'
Harbor Ridge Drive
50' R/W (P.B. 30, Pg. 55)
½" EIR
ROLINA
NAL


4711-34-1191
203
4711-34-4171
333
118
335
4711-33-5856
4711-33-0767
N Harbor Watch Dr
156
155
132
148
35
105
105
4711-33-3639
28
165
4711-33-6
211
254
Harbor Ridge Dr
4711-33-1522
4711-33-5327
4711-33-3410
467

CONNECTGIS WEB HOSTING

North Carolina Iredell County

1:50

Search



Excel 2000/2003

		Address	City	State	Zip	Street Name
1		100 HARBOR RIDGE DR	STATESVILLE	NC	28677	HARBOR RIDGE
2		101 HARBOR RIDGE DR	STATESVILLE	NC	28677	HARBOR RIDGE



PERMIT SNAPSHOT REPORT OSWP-2022-5138 FOR IREDELL COUNTY

Permit Type: Environmental Health OSWP
Work Class: EH Septic Improvement Permit
Status: In Progress
Valuation: $0.00
Description: 105 HARBOR RIDGE perc test for new septic

Project:
District: Iredell County
Square Feet: 0.00
Assigned To: Wieberg, Danielle

App Date: 09/21/2022
Exp Date: NOT AVAILABLE
Completed: NOT COMPLETED
Approval Expire Date:

Parcel: 4711333639.000 Main

Address: ~~105~~ 116 Harbor Ridge Dr
Statesville, NC 28677 Main

Zone: RA(Residential Agricultural District)

Property Owner
CHARLES W+NYDIA FERRAL

Applicant/Authorized Agent
Mike Jackson
161 Wheatridge
Statesville, NC 28625

Permit Custom Fields

How is your site plan being submitted	Custom Site Plan	Does the site contain any jurisdictional wetlands	No	Non-domestic Sewage Generated	No
Other Public Agency	No	All proposed structure dimensions	50x100	What are the proposed structures	New Single Family Residence
If other Addition/Structure, please explain		Maximum Number of Bedrooms	4	Number of Occupants	8
Foundation Type	Crawl Space Foundation	Water Supply	New Well	Desired Septic System Type	Conventional (most common)
If other septic system type, please explain		Has this project been approved by TRC	No	Lot Acreage	1.22
Front Setback	35	Back Setback	35	Left Setback	15
Right Setback	25	Zoning Permit Issued Date	Sep 21 2022 12:00AM	Zoning Permit Expiration Date	Mar 20 2023 12:00AM
Is the structure or development in the floodplain	No	Is the property in a local historic district?	No	Is the property located downtown?	No
Additional Unique Setbacks Apply	No	Watershed	WSIV CA CATAWBA/LAKE NORMAN		

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Mike_Jackson_9/21/2022.jpg	09/21/2022 11:31	Jackson, Mike		Uploaded via CSS
Harbor Ridge App Site Plan Survey_v1.pdf	09/21/2022 11:35	Horton, Amanda	Available Online	Site Plan
Harbor Ridge OAC_v1.pdf	09/21/2022 11:35	Horton, Amanda	Available Online	Authorize to Act as Agent

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2022-18809	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	09/22/2022			09/22/2022 16:20	09/22/2022 16:20

Inspectors: Kobuck, Teanna (Primary)

Checklist Item	Description	Passed	Comments
General Comments	Checklist item used to track general comments, not specific to any other checklist item	No	

2022-20710	Requested	OSWP Site Evaluation	10/05/2022	10/05/2022 0:00	10/05/2022 0:00		

Inspectors: Wieberg, Danielle (Primary)

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00002474	New Gravity System	$500.00	$500.00
	Iredell Zoning Permit Fee	$75.00	$75.00
	Iredell Zoning Tech Fee	$2.25	$2.25
	Total for Invoice INV-00002474	$577.25	$577.25
	Grand Total for Permit	**$577.25**	**$577.25**

DocuSign Envelope ID: 0A596D31 59CD 47B5 A61C 5009A1B7EEE9
DocuSign Envelope ID: 7CBBA2FC-4E32-4924-88CF-6F0F9A7576FE

10/5 @ 9⁰⁰

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*

Application For: (X) New Well Permit ( ) Well Repair Permit ( ) Well Abandonment
(X) 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)

Applicant Name: Michael W. Jackson Address: 116 Wheatridge Dr Statesville Zip: 28625

Applicant Email: mjackson7@ss.rr.com Phone: 843-458-7581 Alt. Phone: _____

Owner Name: Charles and Nydia Ferral Address: 121 Sierra Woods Dr. Troutman, NC Zip: 28166

Owner Email: _____ Phone: 704-677-3800 Alt. Phone: _____

Property Information:

Street Address: Harbor Ridge Dr. #165, Statesville, NC 28677

Subdivision Name: Harbor Watch Section/Phase: 4 Lot Number: 165

Driving Directions: turn Right at gate go to 2nd street on left (this is corner lot of Harbor Ridge Dr & No Harbor Dr.)

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

CHECK FOUNDATION TYPE

(✓) New Single Family Residence — Maximum Number of Bedrooms: 4 — (✓) Crawl Space Foundation
( ) New Multi-Family Residence — Maximum Number of Occupants: 2 — ( ) Concrete Slab Foundation
( ) Accessory Building — ( ) Swimming Pool — ( ) Basement with Plumbing
( ) Bedroom(s) Addition — ( ) Other Addition/Structure: _____ — ( ) Basement without Plumbing
( ) 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: _____

Water Supply: ( ) Replacement Well – Reason: _____
( ) Multi-connection Well Number of Houses: _____ Number of Persons: _____

(X) 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 (X) Conventional ( ) Innovative ( ) Modified Conventional ( ) Other: _____

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?

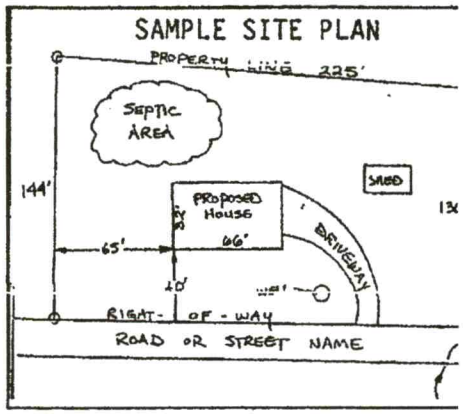
I have read this application and certify that the information provided herein is true, complete, and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible 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.

DocuSigned by:
Michael W. Jackson
9/20/2022 | 2:11 PM P

IREDELL COUNTY DEPARTMENT of ENVIRONMENTAL HEALTH

SITE PLAN WORKSHEET

SEE THE "SAMPLE SITE PLAN" BELOW. *INCOMPLETE SITE PLANS WILL BE RETURNED TO YOU F COMPLETION AND MAY RESULT IN A DELAY IN THE ISSUANCE OF YOUR SEPTIC SYSTEM OR WEL PERMIT!!!*



Place an (X) beside each item as you complete the site plan:

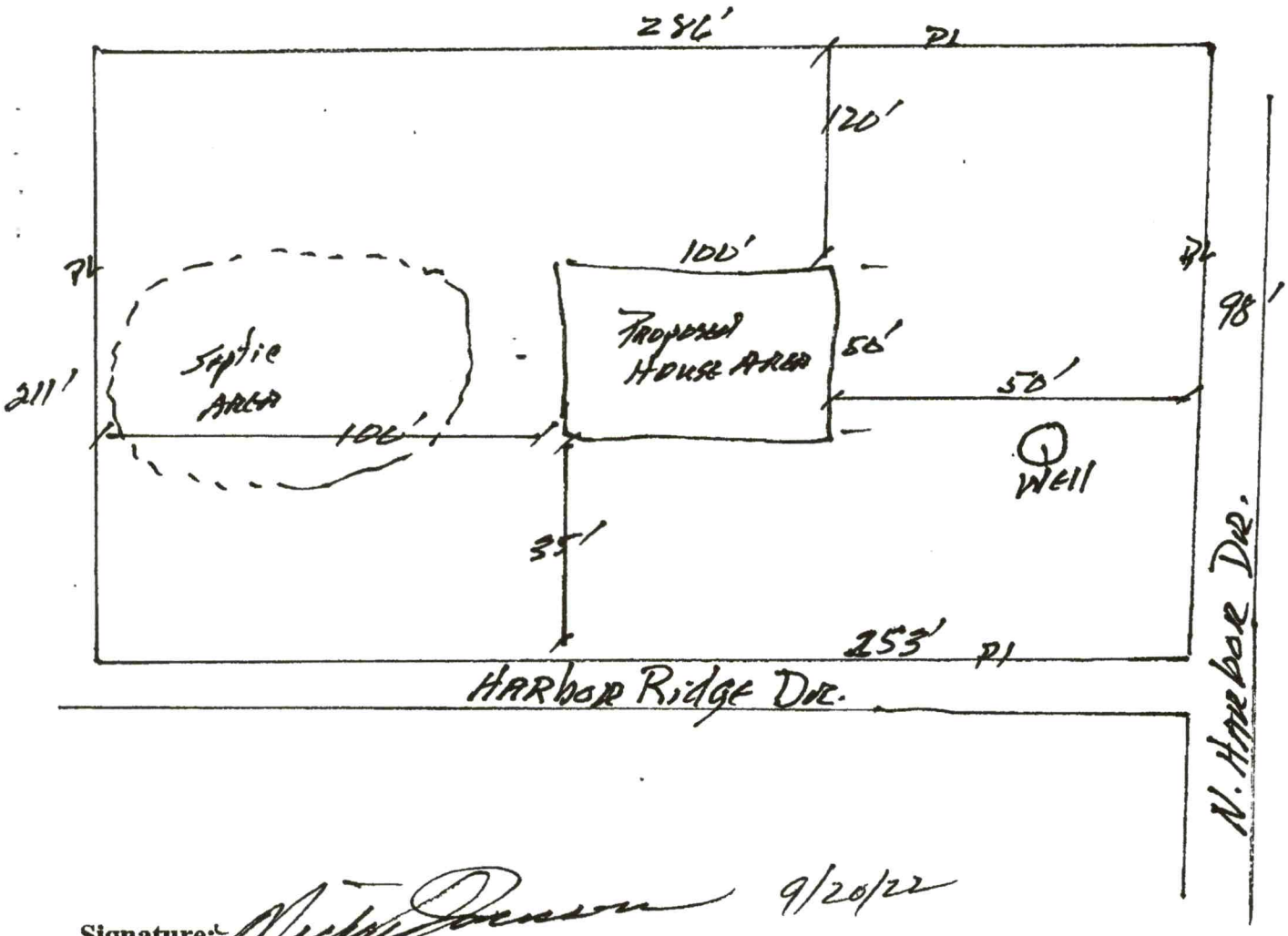
- (X) Property Line measurements are clearly identified
- (X) All proposed structures are indicated
- (X) Front and side setbacks from property line
- (X) Preferred driveway location
- (X) Preferred well location
- (X) Preferred septic system location
- ( ) North arrow, or other sufficient indicator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



Signature: 9/20/22

CONCRETE SPECS

Notice

* Property subject to any easements and right of way on record, and all NCDOT easements and rights of way.

* This survey is subject to any facts that may be disclosed by a full and accurate title search.

* This survey plat does not show any unrecorded, written or unwritten easements, dedications or other encumbrances. Such burdens could exist on this property and not appear on this plat. Accordingly, users of this plat are warned to remain alert for the existence of such unrecorded burdens not shown hereon.

* This plat was drawn for the exclusive use of the party named hereon. Said certificates do not extend to any unnamed person without an express recertification by the surveyor naming said person.

* The Global Navigation Satellite System (GNSS) was used to perform to geospatial positioning accuracy standards, part 2 standards for geodetic networks at the 95% confidence accuracy classifiction (95% confidence) using real time kinematic.

I, Ted M Benbow, certify that this map was drawn under my supervision from an actual GPS survey made under my supervision and the following information was used to perform the survey.

Class of Survey: CLASS AA
Positional Accuracy: 0.05'
Type of GPS Field Procedure: RTK
Dates of Survey: 07/26/2022–07/27/2022
Datum/Epoch: NAD83 (2011)
Published/Fixed–Control Use: VRS
GEOID Model: 2018
Combined Grid Factor: 0.99986287
Units: US Survey Feet

* Area determined by coordinate computations.

* No NGS or NCGS Horiz. Control Monument found within 2,000 feet of the site.

Witness this my original signature, registration number and seal this 19th day of August, 2022 A.D.

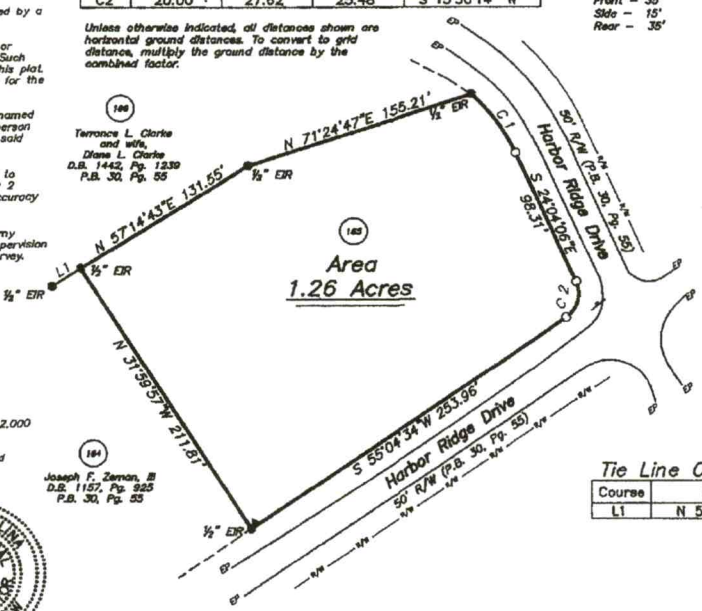
Ted M. Benbow NC PLS L–3175
Firm Licanse # C–1588

NORTH CAROLINA PROFESSIONAL SEAL L–3175 LAND SURVEYOR TED M. BENBOW

TED BENBOW Land Surveying
Proudly Surveying Iredell County
Since 1989
630 SIGNAL HILL DRIVE EXT., STATESVILLE, NC 28625
PHONE (704) 878–9861
www.boundarydevelopment.com

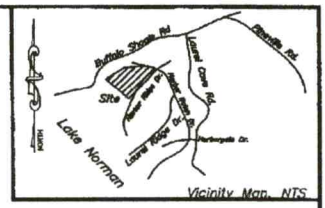
Curve	Radius	Length	Chord	Chord Bear.
C1	125.00'	50.47'	50.12'	S 35°57'57" E
C2	20.00'	27.62'	25.48'	S 15°30'14" W

Unless otherwise indicated, all distances shown are horizontal ground distances. To convert to grid distance, multiply the ground distance by the combined factor.



Zoning

ZONING: RA(Iredell County)
Building Setbacks
Front – 35'
Side – 15'
Rear – 35'



Legend

CAPS ON MONUMENTS SET CONTAIN THE SURVEYORS NAME AND LICENSE NUMBER.

- ○ 1/2" IRON ROD SET WITH YELLOW CAP
- ● EXISTING MONUMENT FOUND AS INDICATED
- STREET SIGN
- ▲ POWER HOOKUP
- EIR ..... EXISTING IRON ROD AS SHOWN
- PIN ..... PARCEL IDENTIFICATION NUMBER
- EP ..... EDGE OF PAVEMENT
- R/W ..... RIGHT OF WAY
- NTS ..... NOT TO SCALE
- LINE SURVEYED
- TIE LINE SURVEYED
- LINE NOT SURVEYED
- R/W RIGHT–OF–WAY LINE

Tie Line Only

Course	Bearing	Distance
L1	N 57°15'09" E	22.69'

Flood Hazard Area Certificate

According to mapping provided by the Federal Emergency Management Agency and shown on the Digital Flood Insurance Rate Map (DFIRM) Panel 4711, Iredell County, North Carolina, effective date: 3/18/2008, the property shown hereon is not located within a special flood hazard area. The property is entirely within an area designated "Zone X – other areas". Areas determined to be outside the 0.2% annual chance floodplain: areas outside future conditions 1% annual chance floodplain.

60 0 60 120 180
GRAPHIC SCALE – 1" = 60'

RELATIVE TO NCGS GRID NAD83

Boundary Survey For:
Michael Jackson

Fallstown Township, Iredell County, NC
Owners of Record: Charles W. Ferral and wife, Nydia Ferral
Deed Reference: D.B. 2737, Pg. 821
Plat Reference: P.B. 30, Pg. 55
PIN: 4711–33–3639
Job Number: 2207263.DWG (2207263.CRD)
Field Work: 07/27/2022
Plat Date: 08/19/2022 Drawn By: DP

DocuSign Envelope ID: 0A596D31 59CD 47B5 A61C 5009A1B7EEE9
DocuSign Envelope ID: C8574CCA-4BD1-478F-BEAC-C9C6652E8786

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 ****

Complete all Environmental Health forms:

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

Lot must be cleared of heavy undergrowth. In order to evaluate the lot, the footprint of the proposed structure mu visible. Adequate area for the septic drain field and repair area must be sufficiently cleared of heavy undergrowth, with 5 of visibility in all directions. Inspectors must be able to evaluate the property, shoot laser level elevations, layout the drair do soils work, etc. **If the lot is not cleared sufficiently, then a $100 site revisit fee will be charged and the evalu will be put on HOLD until the requirement is met.**

Clearly mark all property corners by locating existing iron or concrete markers. Flag all property lines every 25 feet 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.**

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

If an Authorization to Construct (AC) is desired, submit a recorded copy of the plat for newly created or subdivided lo 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 nonrefundable. 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** 9/20/22

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

DocuSign Envelope ID: 0A596D31 59CD 47B5 A61C 5009A1B7EEE9
DocuSign Envelope ID: C8574CCA-4BD1-478F-BEAC-C9C6652E8786

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, Charles W. Ferral and Nydia Ferral, am the legal owner(s) of the property located at Harbor Ridge Drive #165, Statesville, NC 28677, identified as PIN (Parcel Identification Number) 4711-33-3639, located in Iredell County, North Carolina.

I do hereby authorize **(print legal representative/company name)** Michael Jackson _____, 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: Charles W. Ferral A3598B6FCD034B5... DocuSigned by: Nydia Ferral 167F514F433B4F3... Signature of Owner(s)

9/20/2022 | 6:40 AM PDT
9/20/2022 | 8:35 AM CDT
Date

Mooresville - Environmental Health
Fax: 704-662-3239
610 E. Center Avenue, Mooresville, NC 28115

Statesville - Environmental Health
ronda.hart@co.iredell.nc.us
Fax: 704-871-3483
349 N. Center Street, Statesville, NC 28677

ICHD - ENVIRONMENTAL HEALTH DIVISION

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

PERMIT # OSWP-2022-5138

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

PIN # 4711-33-3639

APPLICANT / OWNER: 1/16 Mike Jackson — APPLICANT ADDRESS: 161 Wheatridge, Statesville, NC 28625

SITE ADDRESS: ~~165~~ HARBOR RIDGE DR, STATESVILLE, NC 28677 — PHONE: 843-458-7581 — ALT. PHONE:

SITE DIRECTIONS: N Old Mountain -> L Buffalo Shoals -> L Laurel Cove -> R N Harbor Watch -> L Harbor Ridge -> lot on corner — SAP CONTROLLED: YES ☐ NO ☑

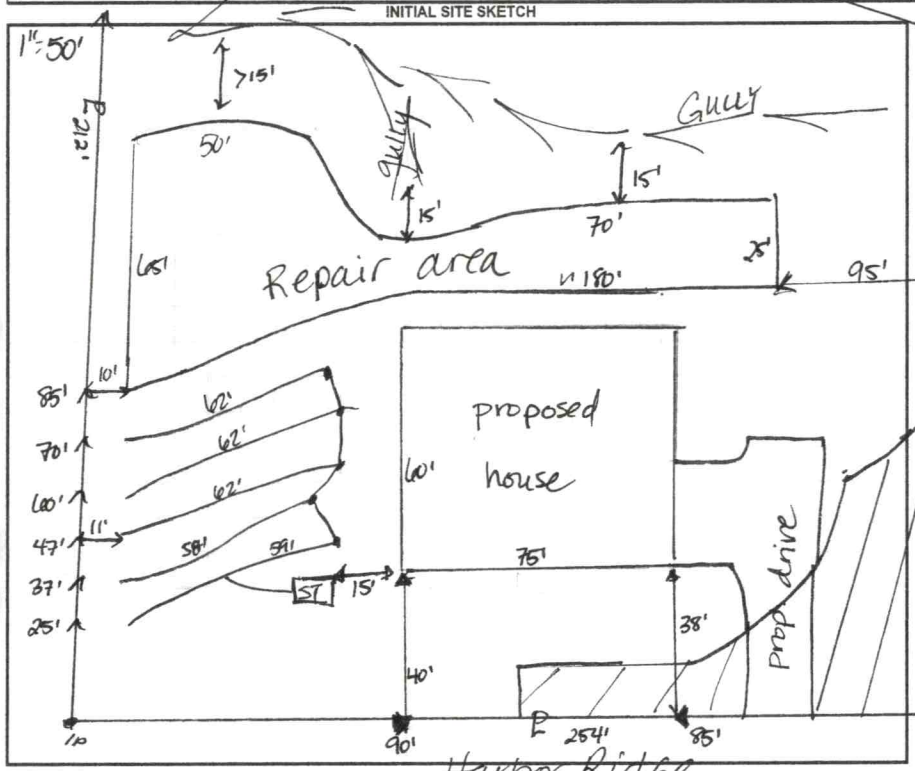
SUBDIVISION: Harbor Watch — SECTION: 4 — LOT #: 165 — LOT AREA: 1.22 — DESIGN FLOW: 360 — L.T.A.R.: 0.3

Septic Tank: 1000 (gal)	STB:	Date:	☑ New System ☐ Repair ☐ Expansion	System Type: III	☑ Residence	No. Bedrooms: 3	Water Supply: New Well
Pump Tank: (gal)	PT:	Date:	System Description: 25% Reduction		☐ Business	No. Persons: 6	
Pump Make:	Model:	Serial #:	Repair System Description: 50% Reduction - VPPBPS		☐ Other	No. Employees:	
# Nitrification Fields: 1	# Lines: 5	Linear Ft.: 302	Maintenance Agreement Required: ☐ YES ☑ NO		☐ Slab	☐ Crawl Space	
Trench Width: 36	Trench Bottom Depth (Low side): 24		Gravel Depth: 0	☑ GRAVITY ☐ PRESSURE	☐ Basement w/ Plumbing	☑ Basement w/o Plumbing	

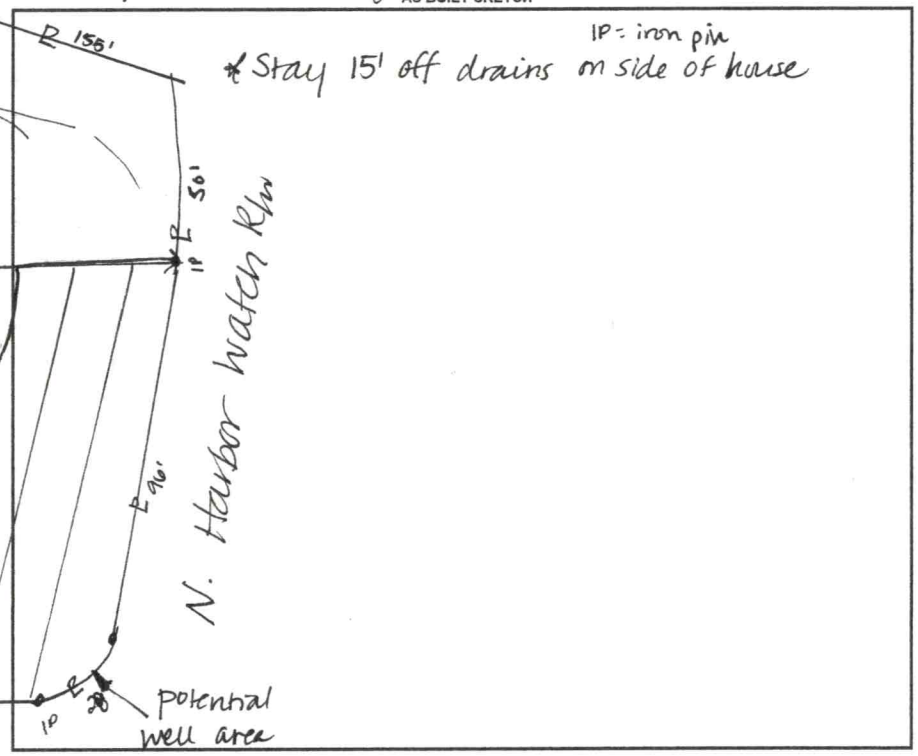
Comments / Conditions: Do not pave, grade, park, drive, or bury utilities in drainfield areas. If plumbing is added to the basement a grinder pump will be needed to bring sewage to septic tank. Install on contour, use serial distribution.

May move tank to get gravity - follow setbacks

INITIAL SITE SKETCH



AS BUILT SKETCH



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: _____

IMPROVEMENT PERMIT by: D. Webern Date: 10/17/22 OPERATION PERMIT by: _____ Date: _____

AUTHORIZATION TO CONSTRUCT by: D. Webern Date: 10/17/22 Existing System Inspected By: _____ Date: _____

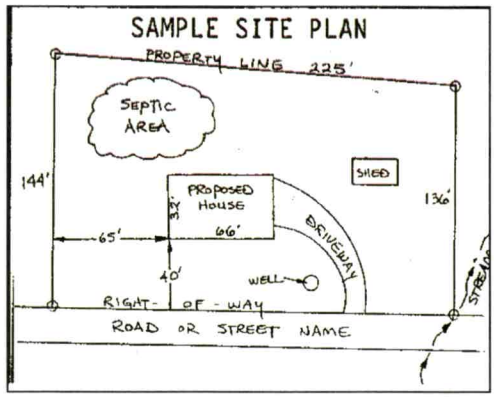
FOR SEPTIC FINAL INSPECTION CALL: 704-664-3703 BETWEEN 8am-9am the day the inspection is needed.

IREDELL COUNTY HEALTH DEPARTMENT

ENVIRONMENTAL HEALTH DIVISION

PAGE 2: *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 PERMIT!!!*



Place an (X) beside each item as you complete the site plan:

- ( ) **Property Line measurements are clearly identified**
- ( ) **All proposed structures are indicated**
- ( ) **Front and side setbacks from property line**
- ( ) **Preferred driveway location and well location**
- ( ) **Area you prefer your septic system to be placed**
- ( ) **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: _____ _____

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