ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 315145

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

PIN # 4711 -22 -0162

APPLICANT/OWNER: Neil Webber APPLICANT ADDRESS: 111 Felter Hill Rd, Monroe NY 10950

SITE ADDRESS: 124 Bargate Drive Statesville NC 28677 PHONE: 585-739-7618 ALT. PHONE —

SITE DIRECTIONS: Buffalo Shoals to Channel Cove @ Hebargate @ Hebarcrest @ Harbor Ridge @ Hartcliff Turn

SUBDIVISION: Harbor Waters SECTION: 6 LOT # 147 LOT AREA: 1.891 Acres DESIGN FLOW: 480 L.T.A.R.: .30

SAP CONTROLLED: ☐ YES ☒ NO

Septic Tank	1000 (gal)	STB	760	Date	7/1/22	☒ New System	☐ Repair	☐ Expansion	System Type: I II (III) IV V VI
Pump Tank	(gal)	PT		Date		System Description:	Gravity - 25% Reduction		
Pump Make		Model		Serial #		Repair System Description:	PPBD - 50% Reduction		
# Nitrification Fields	1	# Lines	4	Linear Ft	400	Maintenance Agreement Required:	☐ YES	☒ NO	
Trench Width	36	Trench Bottom Depth	36 in max	Gravel Depth	—		☒ GRAVITY	☐ PRESSURE	

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

Comments / Conditions:

INITIAL SITE SKETCH

See attached Site Plan and Design by: Michael Athanas & Associates LLS Dated 2/18/2021

AS BUILT SKETCH

FOR SEPTIC FINAL INSPECTION CALL: 704-664-3703 between 8am-9am the day the inspection is needed. Be sure to speak with an inspector to confirm your time.

Installed as Drawn

24
28
24
24

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: 3/2/2021 Installed by: Michael Powell

IMPROVEMENT PERMIT by: Benjamin A. Bottin Date: 3/1/2021 OPERATION PERMIT by: Cory Wilt Date: 9/7/22

AUTHORIZATION TO CONSTRUCT by: Benjamin A. Bottin Date: 4-1-2022 Existing System Inspected by: Date:

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

PROPERTY ID #: 4711220162_
COUNTY: _Iredell_

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Joseph Zeman_____ APPLICATION DATE_____
ADDRESS: 5316 Hollirose Dr, Charlotte, NC 28227_____ DATE EVALUATED: _____
PROPOSED FACILITY: ___4 BDRM_____PROPOSED DESIGN FLOW (.1949): _480 GPD_____ PROPERTY SIZE: ___1.891 AC_____
LOCATION OF SITE: 123 Bargate Dr, Harbor Watch Lot 147_____ PROPERTY RECORDED: _____
WATER SUPPLY: X Private ☐ Public X Well ☐ Spring ☐ Other _____
EVALUATION METHOD: X Auger Boring X Pit ☐ Cut TYPE OF WASTEWATER: X Sewage ☐ Industrial Process ☐ Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
PIT 1	LS 20%	0-5	Br CL WSBK	FR SS SP SXP	N/A	50"	F-C SAP PS	N/A	PS 0.3
		5-25	R C SBK	FR SS SP SXP					
		25-50	R CL WSBK	FR SS SP SXP					
		50-65	VER LS SAP M	VFR SS SP SXP					
PIT 2	LS 20%	0-5	Br CL WSBK	FR SS SP SXP	N/A	60"	Few SAP	N/A	PS 0.3
		5-24	R C SBK	FR SS SP SXP					
		24-60	R CL WSBK	FR SS SP SXP					
PIT 3	LS 20%	0-6	Br CL WSBK	FR SS SP SXP	N/A	58"	N/A	N/A	PS 0.3
		6-27	R C SBK	FR SS SP SXP					
		27-58	R CL WSBK	FR SS SP SXP					
PIT 4	LS 20%	0-4	Br CL WSBK	FR SS SP SXP	N/A	55"	N/A	N/A	PS 0.3
		4-27	R C SBK	FR SS SP SXP					
		27-55	R CL WSBK	FR SS SP SXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1200 FT^2	1026 FT^2
System Type(s)	25% Reduction	PPBPS
Site LTAR	0.3	0.3

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): ___PS_____
EVALUATED BY: _____MA&A_____
OTHER(S) PRESENT: _____

COMMENTS:_____

SOIL/SITE EVALUATION

(Continuation Sheet)

PROPERTY ID #: 4711220162____
DATE OF EVALUATION: _____
COUNTY: __IREDELL___

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	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
AB 1	LS 20%	0-3	Br CL WSBK	FR SS SP SXP	N/A	48"	N/A	N/A	PS 0.3
		3-27	R C SBK	FR SS SP SXP					
		27-48	R CL WSBK	FR SS SP SXP					
AB 2	LS 20%	0-4	Br CL WSBK	FR SS SP SXP	N/A	48"	Few SAP	N/A	PS 0.3
		4-27	R C SBK	FR SS SP SXP					
		27-48	R CL WSBK	FR SS SP SXP					

COMMENTS: _____

RECEIVED MAR 2 2 2022

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: (✓) 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) MOORESVILLE NC

Applicant Name: SARAH BRINK Address: 264 BRENDRIDGE CENTRE DR Zip: 28110
Applicant Email: sbrink@trihomesnc.com Phone: 980-312-3316 Alt. Phone: _____
Owner Name: Neil Weber Address: 117 Jocelyn Lane, Apt 102 Mooresville Zip: 28117
* Owner Email: jirokitsune@gmail.com Phone: 585-739-7618 Alt. Phone: _____

Property Information:

Street Address: 124 BARGATE DRIVE, STATESVILLE, NC 28677
Subdivision Name: HARBOR WATCH Section/Phase: ACRES 1.891 Lot Number: 147
Driving Directions: RAFFINO SHOALS. TO CAMDEN CURVE (R) HARGROVE (R) HARDWICK (L) HARBOR RIDGE (R) HUNTCLIFF THEN (R)

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: 8 ( ) 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: _____
(✓) 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 (4) Alternative ( ) Conventional (2) Innovative (3) Modified Conventional (1) Other: ACCESSIBLE

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?

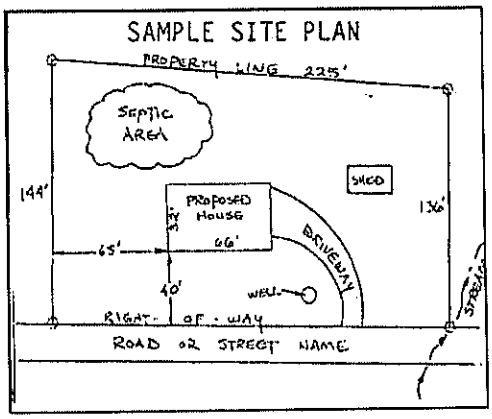
I have read this application and certify that the information provided herein is true, complete, and correct. Authorized county and state officials are granted right of entry to conduct necessary inspections to determine compliance with applicable laws and rules. I understand that I am solely responsible 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:** DocuSigned by: Neil Weber 8DE56A683DDB482... 3/18/2022
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

SEE ATTACHED!

X **Signature:** DocuSigned by: Mil Weber 3DE86A065DBB482...

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

X 3/18/2022

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, Neil Weber, am the legal owner(s) of the property located at 124 BARONE DRIVE, STATESVILLE, NC 28677, identified as

PIN (Parcel Identification Number) 4711-22-0162, located in Iredell County, North Carolina.

I do hereby authorize (**print legal representative/company name**) Mr. Kenneth L. Lucas of Septic Environment Solutions Inc 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:
Neil Weber
80E56A083DBB482...
Signature of Owner(s)

3/18/2022
Date

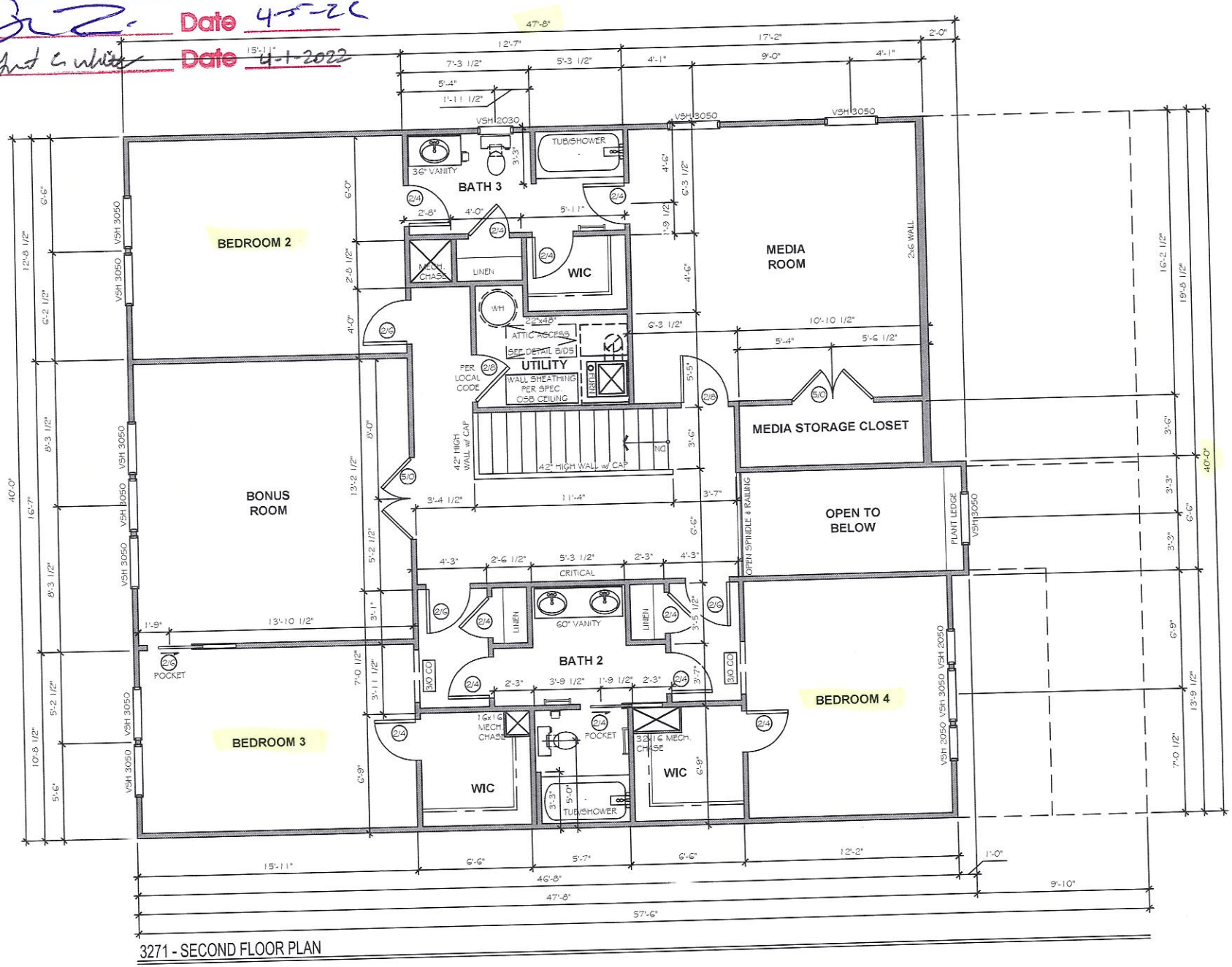
Mooresville - Environmental Health
ronda.hart@co.iredell.nc.us
Fax: 704-662-3239
610 E. Center Avenue, Mooresville, NC 28115

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

Acknowledgement Of
Plans Submittal ONLY!

Date 4-5-22

Bryant C White Date 4-1-2022

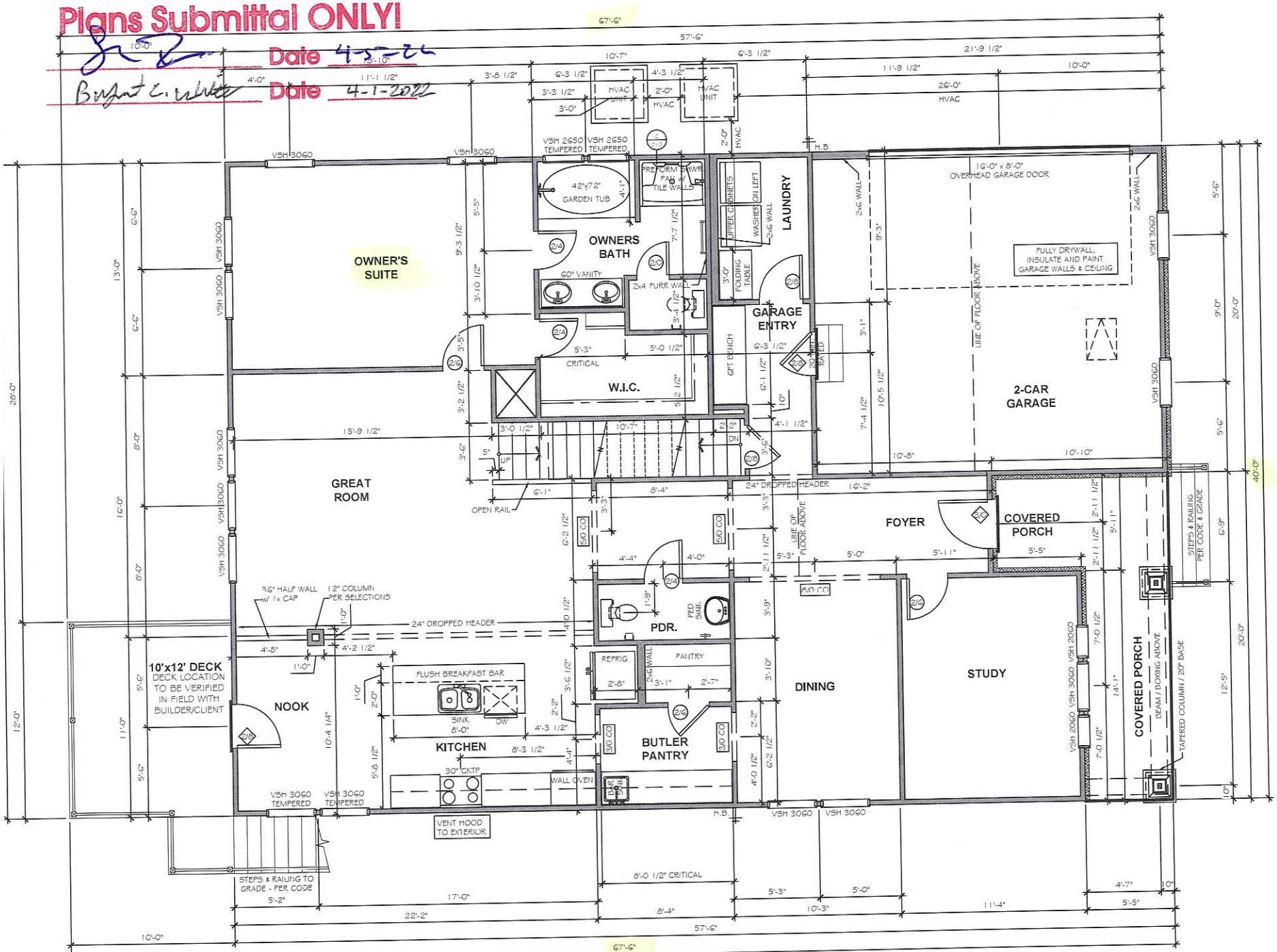


3271 - SECOND FLOOR PLAN

Acknowledgement Of
Plans Submittal ONLY!

Date 4-5-22

Date 4-1-2022

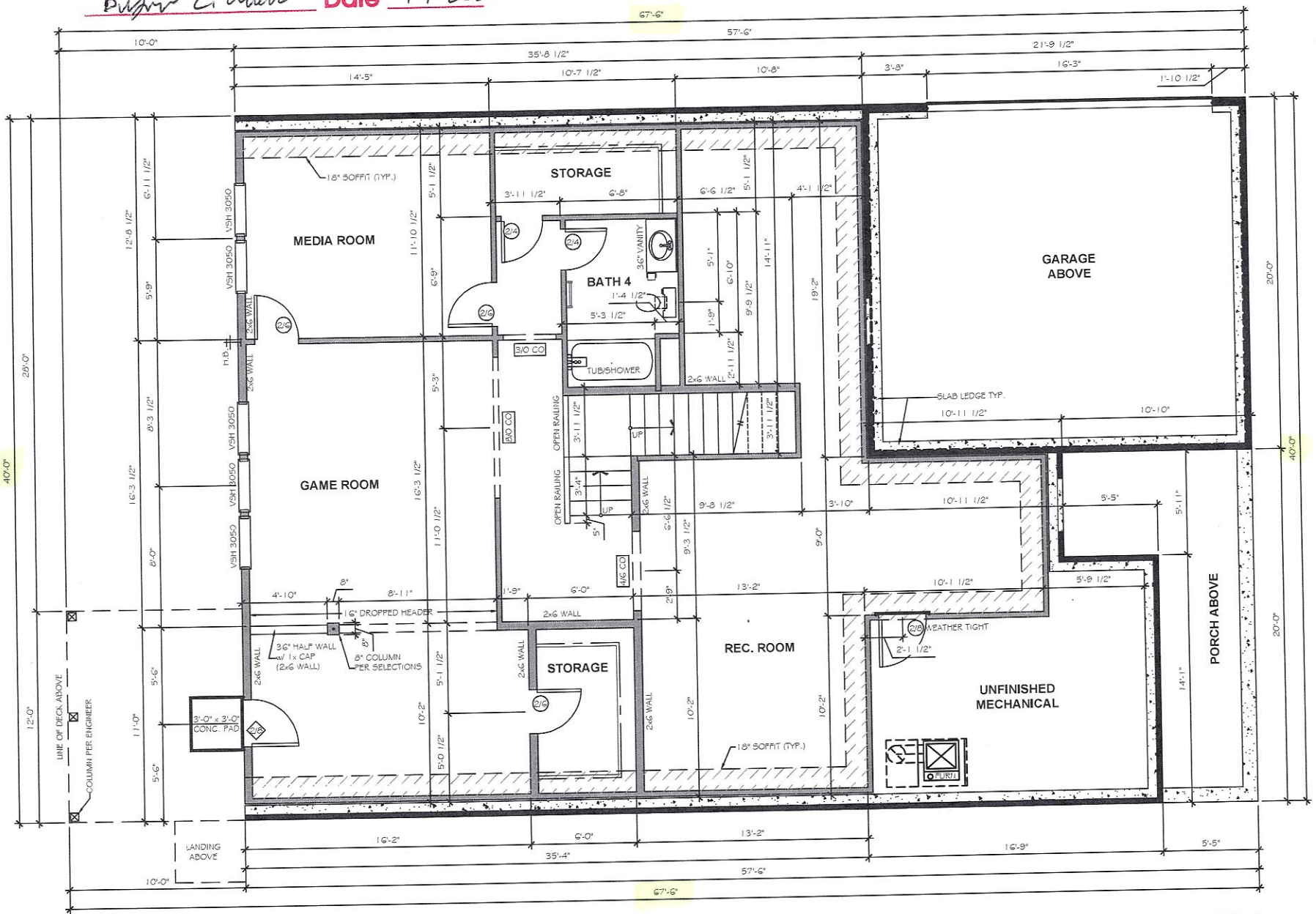


3271 - FIRST FLOOR PLAN

Acknowledgement Of
Plans Submittal ONLY!

Date 4-5-22

Date 4-1-2022



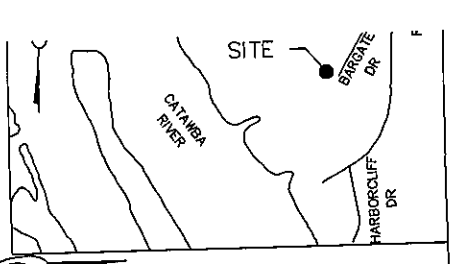
3271 - BASEMENT FLOOR PLAN

IMPROVEMENTS HAVE NOT BEEN AS-BUILT BY R. JOE HARRIS & ASSOCIATES, INC.

LOT IS SUBJECT TO ANY DEED RESTRICTIONS, EASEMENT CONVEYANCES, RIGHTS-OF-WAY, UTILITIES AND RESTRICTIVE COVENANTS ON FILE WITH THE IREDELL COUNTY, NCDOT, CITY OF STATESVILLE, HOMEOWNERS ASSOCIATION AND/OR OTHER GOVERNMENTAL AGENCIES.

HARBOR WATCH-LOT #147
MODEL-WAKEFIELD
ELEV.-E-D3
FND-BSMT
FACADE-FRONT BRICK (NOT SHOWN)
2-CAR GARAGE RIGHT SIDE

SETBACKS:
FRONT 35'
REAR 35'
SIDE 15'



VICINITY MAP
NOT TO SCALE

MB 68 PG 63

Curve Table					
Curve #	Length	Radius	Chord	Bearing	Delta
C1	100.58	50.00	84.46	S40°51'19"W	115°15'30"

N/F
STARSING LLC
PID 4711123486.000
MB 52 PG 101
DB 1806 PG 586

10' DRAINAGE AND UTILITY EASEMENT

10.00'

N1°29'51"E 323.86'

147
82,357 SQ. FT.
1.891 ACRES±

149
MB 32 PG 60

PROPOSED SEPTIC FIELD

220.66'

S73°13'38"W 231.27'

146
MB 32 PG 60

S85°35'58"E 398.61'

WAKEFIELD
3271
#124

DECK
10.0' 12.0' 10.0'

45.00'

40.0'

52.1'

57.5'

HVACS

148
MB 32 PG 60

97.82'

C1

5.4' 5.9' 10.8'

14.1'

20.0'

45.00'

5.4'

20.0'

50.00'

S38°29'00"W 207.65'

BARGATE DRIVE
50' R/W

PROPOSED WELL

W

APPROXIMATE EDGE OF PAVEMENT

IMPERVIOUS SURFACE AREA

DESCRIPTION	AREA
HOUSE	2,160 SF
DRIVE TO R/W	2,028 SF
DRIVE EP	62 SF
FRONT PORCH	140 SF
DECK	120 SF
LEADWALK	126 SF
HVAC	32 SF

TOTAL LOT AREA	82,357 SF
TOTAL PROPOSED	4,486 SF
SEED/STRAW	77,871 SF
IMPERVIOUS	5%

LOT IS NOT LOCATED WITHIN THE 100 YEAR FLOOD PER FEMA FLOOD INSURANCE RATE MAP (FIRM) #3710471100K DATED MARCH 18, 2008.

FINAL HOUSE PLACEMENT WILL BE ESTABLISHED BY TRUE HOMES AND MAY VARY BY FIELD CONDITIONS.

DRIVEWAY LOCATION APPROXIMATE ONLY. SUBJECT

0 30 60 120

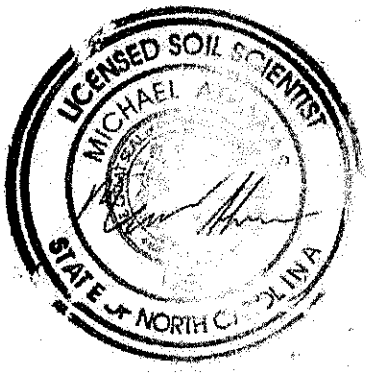
1 inch = 60 ft.

FIRM # C-4168



MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
556Walden Trail
Weddington, NC 28173
(704) 576-3887
2/18/2021

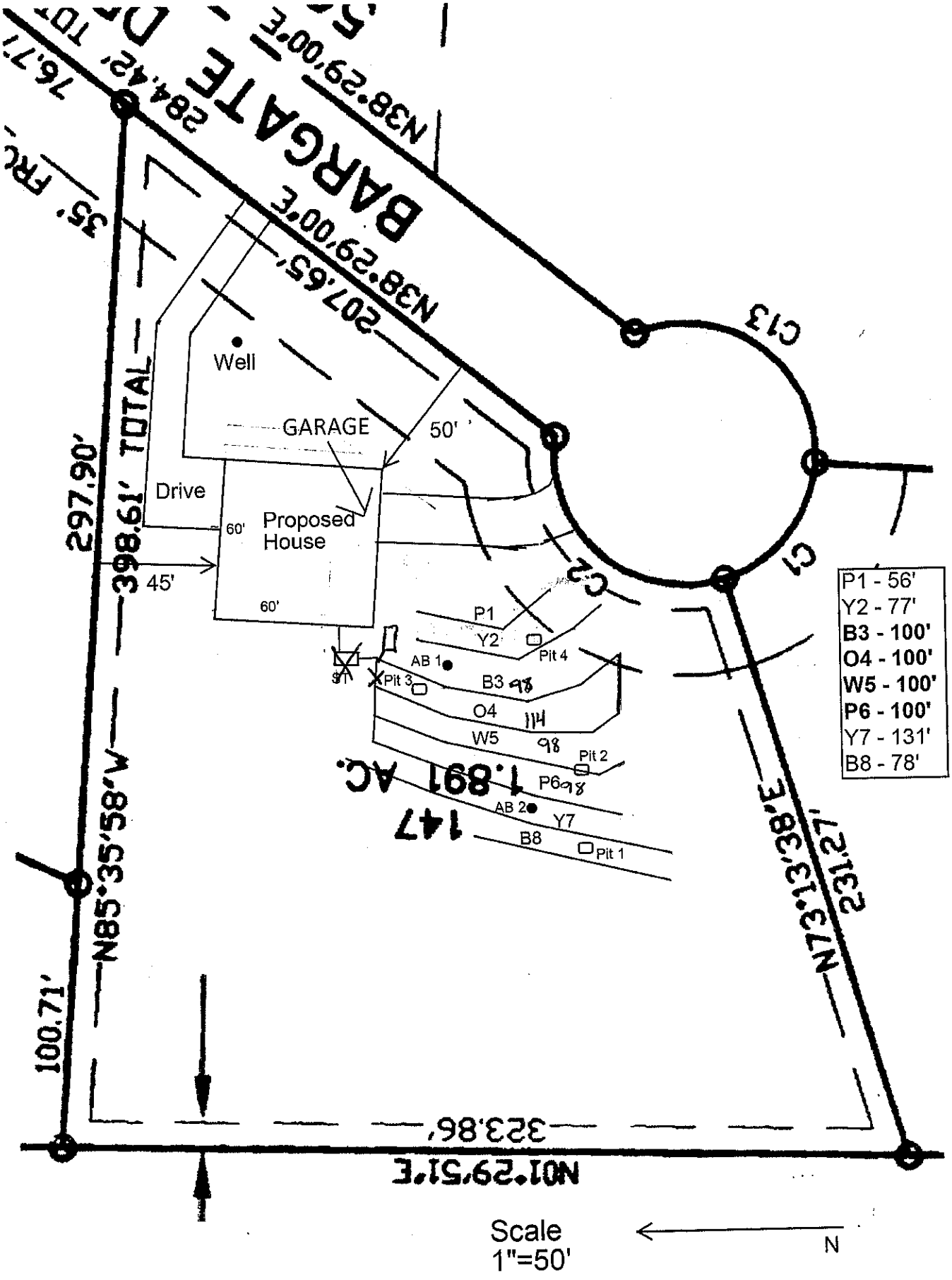
Reference: Data Sheet for 123 Bargate Dr, Harbor Watch Lot 147
House Footprint: See attached plan
Building Setbacks: 35' front/rear, 15' side
Water Source: Private well
Number of Bedrooms/Daily Flow: 4/480 GPD
Proposed LTAR: 0.3 GPD/FT^2
Proposed System Type: 25% Reduction
Proposed Repair System Type: PPBPS
Distribution: Gravity-End cap/Drop boxes
Septic Tank Size: 1000 gallons
Proposed Trench Bottom: 36" maximum



Line	Design Length	Actual Length
Pink 1		56'
Yellow 2		77'
Blue 3	**100'**	**100'**
Orange 4	**100'**	**108'**
White 5	**100'**	**112'**
Pink 6	**100'**	**122'**
Yellow 7		131'
Blue 8		78'

Initial System: 400' **Repair System:** 342'

Comments:


BARGATE
N38°29'00"E
207.65'
Well
GARAGE
50'
Drive
60'
Proposed
House
60'
45'
297.90'
398.61' TOTAL
C13
C1
C2
C3
P1
Y2
Pit 4
AB 1
Pit 3
B3
O4
W5
Pit 2
P6
AB 2
Y7
B8
Pit 1
1.891 AC.
147
P1 - 56'
Y2 - 77'
B3 - 100'
O4 - 100'
W5 - 100'
P6 - 100'
Y7 - 131'
B8 - 78'
N73°13'38"E
231.27'
N85°35'58"W
100.71'
323.86'
N01°29'51"E
Scale
1"=50'
N