BLDR-2023-13103

ICHD - ENVIRONMENTAL HEALTH DIVISION

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

PERMIT # OSWP-2022-10468

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

PIN # 4741-00-8422 ✓

APPLICANT / OWNER: Michael Athanas & Associates | APPLICANT ADDRESS: 2630 Statesville Blvd, Salisbury, NC 28147

SITE ADDRESS: 148 FALLS LEAF DR, TROUTMAN, NC 28166 ✓ | PHONE: 7043101832 | ALT. PHONE:

SITE DIRECTIONS: | SAP CONTROLLED: YES ☐ NO ☒

SUBDIVISION: ~~Falls Leaf~~ Windstone @ Autumn Leaf ✓ | SECTION: - | LOT #: 8 ✓ | LOT AREA: 1.58 AC | DESIGN FLOW: 360 | L.T.A.R.: .25

Septic Tank: (gal) 1000	STB: 760	Date: 4-1-23	☑ New System ☐ Repair ☐ Expansion	System Type:	☑ Residence	No. Bedrooms: 3	Water Supply: New Well
Pump Tank: (gal) 1000	PT: 363	Date: 4-5-23	System Description: 25% Reduction		☐ Business	No. Persons: 6	
Pump Make:	Model:	Serial #:	Repair System Description: Pretreated Drip		☐ Other	No. Employees:	
# Nitrification Fields: 1	# Lines: 4	Linear Ft.: 360	Maintenance Agreement Required: ☐ YES ☒ NO		☑ Slab	☐ Crawl Space	
Trench Width: 36in.	Trench Bottom Depth ~~(Low side):~~ 30in		Gravel Depth: —	☒ GRAVITY ✓ PRESSURE	☐ Basement w/ Plumbing	☐ Basement w/o Plumbing	

Comments / Conditions: 4 1/2 sch 80 Taps

INITIAL SITE SKETCH

See attached Site plan
+ Design by Michael Athanas
+ Associates.

AS BUILT SKETCH

needs filter ✓ SB 6/12/23

Tanks - STL 6/9/23

Lines SB 6/12/23
manifold

Alarm
Electrical
P.H
Floats
} STL 9/22/23

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

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

Owner / Applicant Signature: Date:

IMPROVEMENT PERMIT by: Benjamin Bass Date: 12/20/2022

AUTHORIZATION TO CONSTRUCT by: Tony Wil Date: 1/24/23

Installed By: Gunters Grading

OPERATION PERMIT by: Sydney Hoscanet Date: 9/25/23

Existing System Inspected By: Date:

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

MA&A
SOIL & ENVIRONMENTAL CONSULTANTS

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

Reference: Data Sheet for 148 Falls Leaf Dr, Lot 8 Windstone Crossing; Iredell County, NC

House Footprint: 68' x 66'; **Slab Foundation**
Building Setback: 25' Front; 15' Sides and 25' Rear
Water Source: Private Well
Proposed Gallon Per Day: 3 bedrooms/360 gpd
Proposed LTAR: 0.25 gpd/ft2
Suggested Initial System Type: 25% Reduction
Repair System Type: Pretreated Drip
Repair System LTAR: 0.1 gpd/ft2
Distribution: Pressure Manifold
Septic/Pump tank size: 1000 gallon septic tank; 1000 gallon pump tank
Trench Bottom: 30"

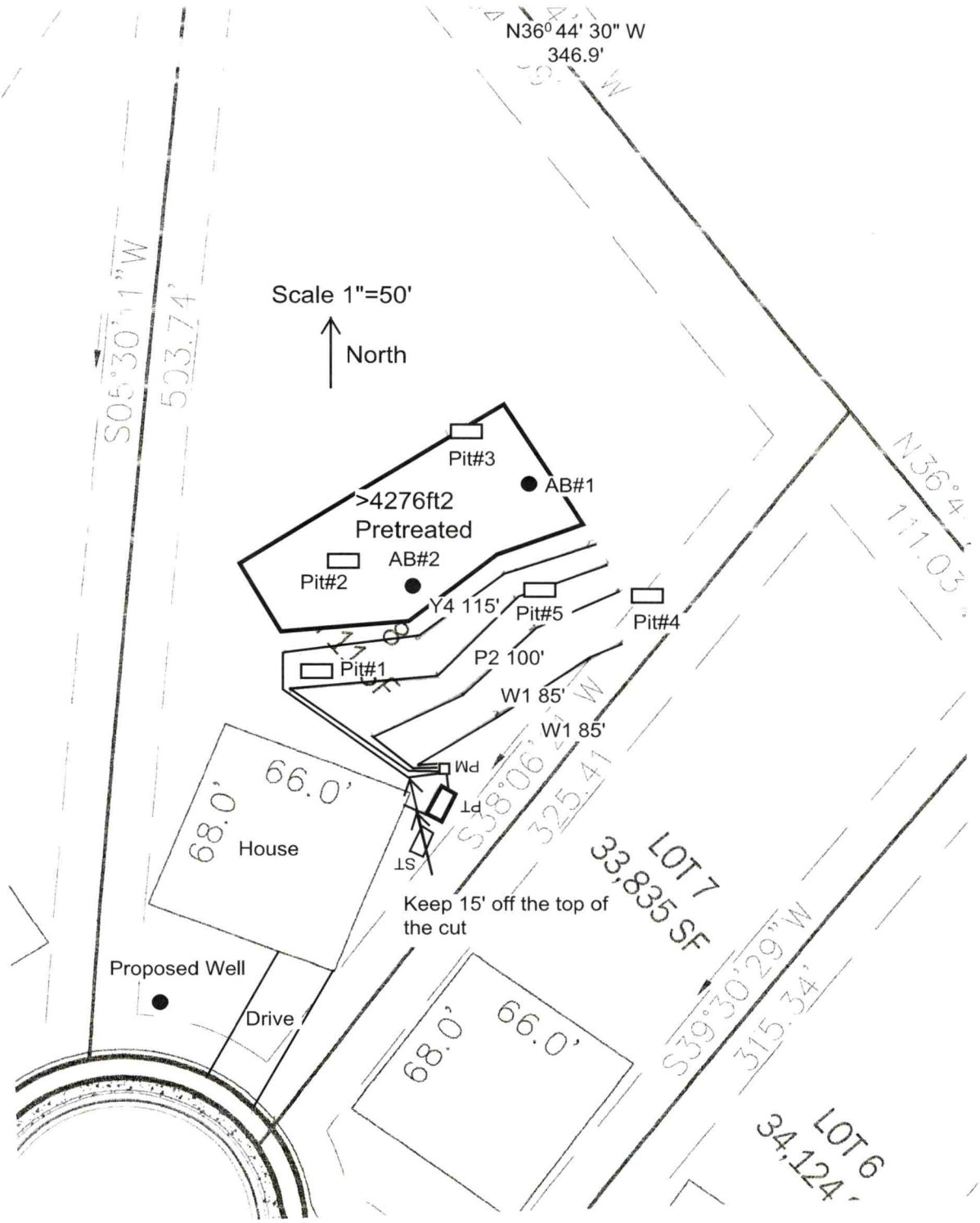


Line	Design Length	Actual Length
White 1	80'	85'
Pink 2	80'	100'
Blue 3	100'	120'
Yellow 4	100'	115'

Initial System: 360' 25% Reduction **Repair System:** >4276 ft2 Pretreated Drip

Comments: The purpose of the evaluation is to permit this site for a 3-bedroom residence.

- Not cuts of 2' or more within 15' of the system area.
- No foundation drains within 15' of the system area.


N36° 44' 30" W
346.9'
S05°30'31"W
523.74'
Scale 1"=50'
North
Pit#3
AB#1
>4276ft2
Pretreated
AB#2
Pit#2
Y4 115'
Pit#5
Pit#4
P2 100'
Pit#1
W1 85'
W1 85'
PM
PT
ST
66.0'
68.0'
House
S38°06'27"W
325.41
LOT 7
33,835 SF
Keep 15' off the top of
the cut
Proposed Well
Drive
68.0'
66.0'
S39°30'29"W
315.34'
LOT 6
34,124'
N36°4
111.03

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Suggested Initial System Type: 25% Reduction
Repair System Type: Pretreated Drip
Repair System LTAR: 0.1 gpd/ft2
Distribution: Gravity
Septic/Pump tank size: 1000 gallon septic tank; 1000 gallon pump tank
Trench Bottom: 30"

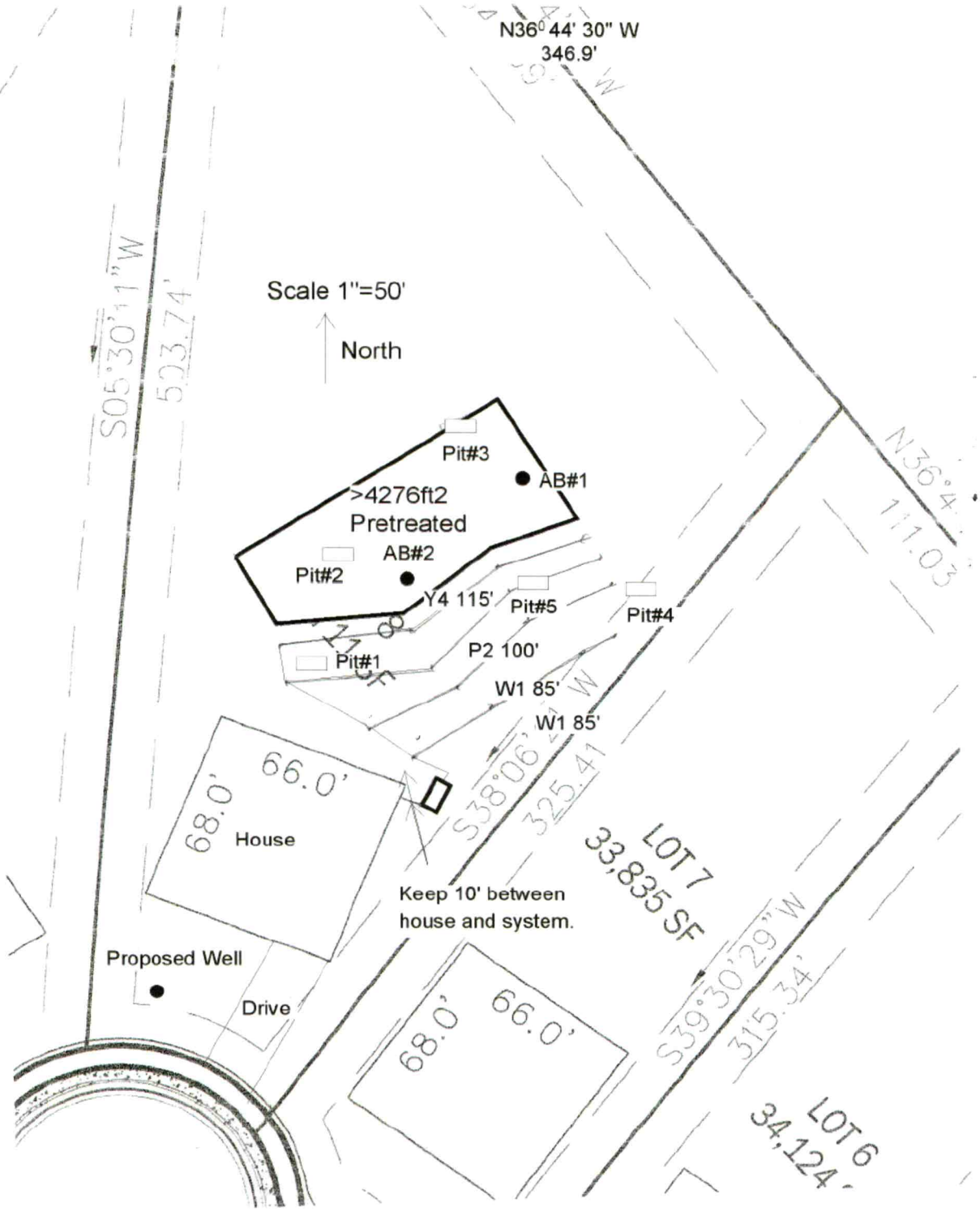


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House
LOT 7
33,835 SF
Keep 10' between
house and system.
Proposed Well
Drive
68.0'
66.0'
S39°30'29"W
315.34'
LOT 6
34,124'

DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet 1 *of* 1
PROPERTY ID #: Lot 8 Windstone Crossing; PID#4740098843.000
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Windstone Crossing LLC APPLICATION DATE:
ADDRESS: 15 FROWEIN RD BLDG G2 CTR MORICHES NY 11934 DATE EVALUATED: 6/2022
PROPOSED FACILITY: 3 Bedroom Residence PROPOSED DESIGN FLOW (.1949): 360 GPD PROPERTY SIZE: 1.58 Acres
LOCATION OF SITE: 148 Falls Leaf Dr, Windstone at Autumn Leaf lot 8 PROPERTY RECORDED: To be recorded
WATER SUPPLY: Ξ Private ☐ Public Ξ Well ☐ Spring ☐ Other
EVALUATION METHOD: ΞAuger Boring Ξ Pit ☐ Cut TYPE OF WASTEWATER: Ξ 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	L 6-7 %	0"-4"	YBr CL WSBK	SS SP FR SEXP		48"	Few to common saprolite inclusions 26"-48"		0.3 ✓
		4"-26"	R C ABK	SS SP FR SEXP					
		26"-48"	R CL WSBK	SS SP FR SEXP					
Pit 2	L 6-7 %	0"-30"	R C ABK	SS SP FR SEXP		51"	Few to common saprolite inclusions 30"-51"		0.3 0.1+ Drip Repair
		30"-51"	R CL WSBK	SS SP FR SEXP					
Pit 3	L 6-7 %	0"-17"	R CL WSBK	SS SP FR SEXP	YBrs 36"+	48"			0.25 0.1+ Drip Repair
		17"-48"	R C ABK	SS SP FR SEXP					
Pit 4	L 6-7 %	0"-12"	RBr CL WSBK	SS SP FR SEXP		48"	Few to common saprolite inclusions 38"-48"		0.3
		12"-38"	R C ABK	SS SP FR SEXP					
		38"-48"	R CL WSBK	SS SP FR SEXP					
Pit 5	L 6-7 %	0"-4"	YBr CL WSBK	SS SP FR SEXP		50"	Few to common saprolite inclusions 40"-50"		0.3
		4"-40"	R C ABK	SS SP FR SEXP					
		40"-50"	R CL WSBK	SS SP FR SEXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1080 FT2	>4276 ft2
System Type(s)	25% Reduction	Pretreated Drip
Site LTAR	0.25	0.1

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948):

EVALUATED BY: Michael Athanas and Associates
OTHER(S) PRESENT:

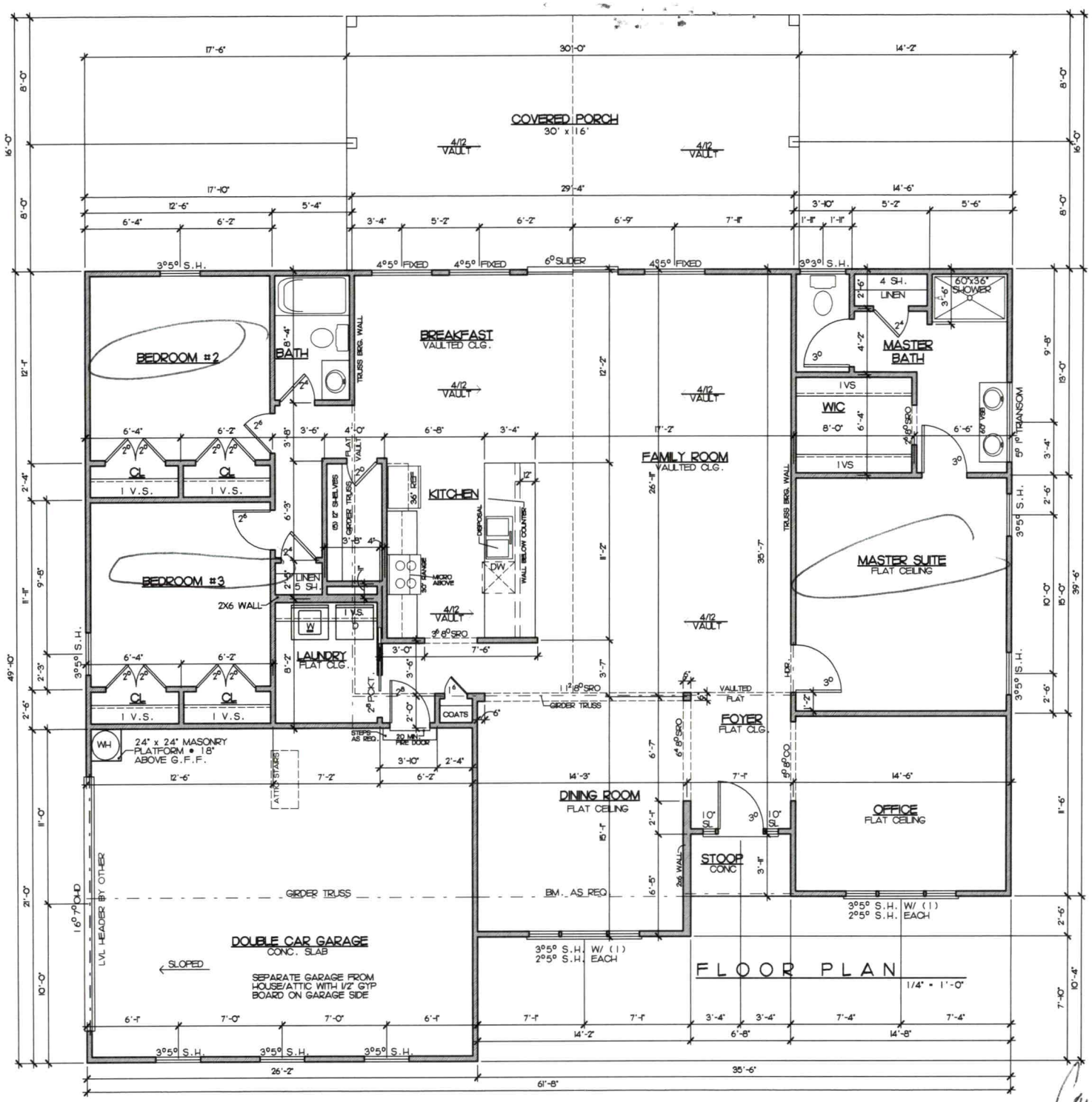
DEPARTMENT OF ENVIRONMENT AND NATURAL RESOURCES
DIVISION OF ENVIRONMENTAL HEALTH
ON-SITE WASTEWATER SECTION

Sheet 1 *of* 1
PROPERTY ID #: Lot 8 Windstone Crossing; PID#4740098843.000
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SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM cont

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941)		OTHER PROFILE FACTORS				PROFILE CLASS & LTAR
			.1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	.1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	
AB 1	L 6-7 %	0"-6"	YBr CL WSBK	SS SP FR SEXP	Common chroma 3s and 4s at 33"	33"			0.25 0.1+ Drip Repair
		6"-33"	R C ABK	SS SP FR SEXP					
AB 2	L 6-7 %	0"-4"	YBr CL WSBK	SS SP FR SEXP		36"			0.3
		4"-36"	R C ABK	SS SP FR SEXP					

Comments; AB#1 and AB#2 were done during the preliminary evaluation. Soil depths have been confirmed with backhoe pits.



SQUARE FOOTAGES	
FLOOR PLAN-	2,170 sq ft
GARAGE-	545 sq ft
REAR PORCH-	480 sq ft
FRONT PORCH-	26 sq ft
TOTAL I.F-	3221 sq ft

NOTE:
ALL CEILINGS ARE 9'-0", UNLESS OTHERWISE SPECIFIED.

GARAGE LEFT

Drafting & Design Inc.
Charlotte, N.C.
704-542-8858

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WINDSTONE ESTATES

Project: Huemmer Residence

Sheet Title: FIRST FLOOR PLAN

DR. BY: BRIAN G.
Date: 06-06-08
REV: 02-22-18
02-26-18
03-20-18
10-07-21
Site

HUEMMER-F
Sheet 3

Cary Hill 1/24/23