BLDR-2023-30226

ICHD - ENVIRONMENTAL HEALTH DIVISION

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

PERMIT # OSWP-2023-30225

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

PIN # 4676-59-1585

PPLICANT / OWNER: Richard Boswell APPLICANT ADDRESS: 448 Brumley Rd Mooresville NC

TE ADDRESS: 448 BRUMLEY RD, MOORESVILLE, NC 28115 PHONE: ALT. PHONE:

TE DIRECTIONS:

SAP CONTROLLED: YES ☐ NO ☑

UBDIVISION: SECTION: – LOT #: – LOT AREA: 16.6 DESIGN FLOW: 720 L.T.A.R.: 0.3

eptic Tank: 1500 (gal)	STB: 904	Date: 3/8/24	☐ New System ☐ Repair ☐ Expansion	System Type: III	☑ Residence	No. Bedrooms: 6	Water Supply: New Well
ump Tank: (gal)	PT:	Date:	System Description: Gravity 25% reduction		☐ Business	No. Persons: 6	
ump Make:	Model:	Serial #:	Repair System Description: 25% reduction		☐ Other	No. Employees:	
Nitrification Fields: 1	# Lines: 8	Linear Ft.: 720	Maintenance Agreement Required: ☐ YES ☑ NO		☐ Slab	☑ Crawl Space	
rench Width: 36	Trench Bottom Depth (Low side): 34		Gravel Depth: –	☐ GRAVITY ☐ PRESSURE	☐ Basement w/ Plumbing	☐ Basement w/o Plumbing	

omments / Conditions: This Improvement Permit is issued pursuant to G.S. 130A-335 (a2) and (a3) using the signed and sealed LSS/LG evaluation(s) ttached here. This Construction Authorization is issued pursuant to G.S. 130A-335(a2) and (a5) using the signed and sealed plans or evaluations attached here.

INITIAL SITE SKETCH

AS BUILT SKETCH

Installed as drawn. GPS attached.

rmit 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.

wner / Applicant Signature: RWB Date:

IPROVEMENT PERMIT by: Brianna A Batts Date: 7/28/2023

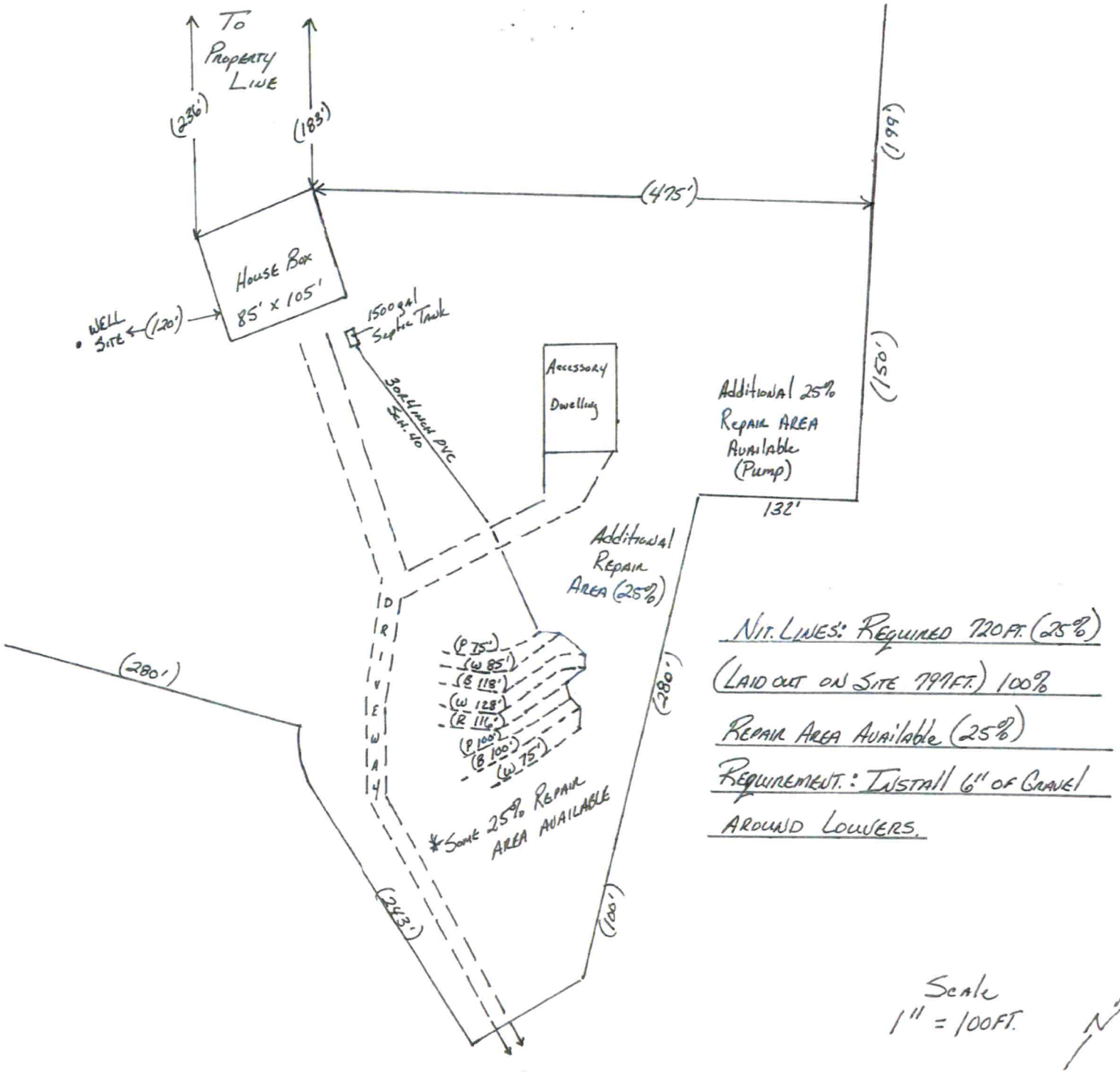
UTHORIZATION TO CONSTRUCT by: Brianna Batts Date: 7/28/2023

Installed By: Rowan Septic

OPERATION PERMIT by: Sarah E Watkins Date: 4/30/2024

Existing System Inspected By: Date:

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


To Property Line
(236')
(183')
(475')
(199')
(150')
House Box
85' x 105'
WELL SITE
(120')
1500 gal Septic Tank
3or4 inch PVC Sch. 40
Accessory Dwelling
Additional 25% Repair Area Available (Pump)
132'
Additional Repair Area (25%)
(280')
(280')
(243')
(100')
DRIVEWAY
(P 75')
(W 85')
(E 118')
(W 128')
(E 116')
(P 100')
(E 100')
(W 75')
*Some 25% Repair Area Available
NIT. LINES: REQUIRED 720 FT. (25%)
(LAID OUT ON SITE 799 FT.) 100%
REPAIR AREA AVAILABLE (25%)
REQUIREMENT: INSTALL 6" OF GRAVEL AROUND LOWERS.
Scale
1" = 100 FT.
N

Sheet ____ of ____
PROPERTY ID #: ____
COUNTY: IREDELL

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

OWNER: Richard Boswell APPLICATION DATE ____

ADDRESS: 450 Brumley Road Mooresville N.C. DATE EVALUATED: 11/29/22

PROPOSED FACILITY: 6BR/HSE PROPOSED DESIGN FLOW (.1949): 720 PROPERTY SIZE: 16.6 Acres

LOCATION OF SITE: 448 Brumley Road Mooresville N.C. PROPERTY RECORDED: ____

WATER SUPPLY: (Private) . Public (Well) . Spring . Other ____

EVALUATION METHOD: (Auger Boring) . (Pit) . TYPE OF WASTEWATER: . (Sewage) . Industrial Process . Mixed

PIN # 4676591585.000

(PITS)	1	2	3	4	5	6	7	8	9	10
Landscape Position (1940)	L	L	L	L	L	L	L	L	L	L
Slope%	<6%	<6%	<6%	<6%	<8%	<6%	<4%	<4%	<4%	<4%
H 1 Depth (1943)	0-12	0-10	0-14	0-6	0-8	0-9	0-6	0-10	0-10	0-7
H1 texture 1941	cl	cl	cl	cl	cl	cl	cl	cl	cl	cl
H1 Structure 1941	GR	GR	GR	GR	GR	GR	GR	GR	GR	GR
H1 Consistance 1941	FR SSSP	FR SSSP	FR SSSP	FR SSSP	FR SSSP	FR SSSP	FR SSSP	FR SSSP	FR SSSP	FR SSSP
H1 Mineralogy 1941	SEXP	SEXP	SEXP	SEXP	SEXP	SEXP	SEXP	SEXP	SEXP	SEXP
H 2 Depth (1943)	12-	10-	14-	6-	8-29	9-32	6-18	10-24	10-36	7-42
H2 texture 1941	C/SW	C/SW	C/SW	C/SW	C	C	C	C	C	C
H2 Structure 1941	Blky	Blky	Blky	Blky	Blky	Blky	Blky	Blky	Blky	Blky
H2 Consistance 1941	VFI SP	VFI SP	VFI SP	VFI SP	FI SP	FI SP	FI SP	FI SP	FI SP	FI SP
H2 Mineralogy 1941	EXP	EXP	EXP	EXP	SEXP	SEXP	SEXP	SEXP	SEXP	SEXP
H 3 Depth (1943)					29-48	Coarse Sand at 82"	18-35	24-42	36-	42-58
H3 texture 1941					C/BC		C/BC	C/BC	C	RC
H3 Structure 1941					Blky		Blky	Blky	Yellow Brown Mottles	SL
H3 Consistance 1941					FI SP		FI SP	FI SP	TRENCH 20"	FR SSSP
H3 Mineralogy 1941					SEXP		SEXP	SEXP		SEXP
H 4 Depth (1943)						TRENCH Depth 28"	35-48			
H4 texture 1941							RC			
H4 Structure 1941							SL	SL		
H4 Consistance 1941							FR SSSP			
H4 Mineralogy 1941							SEXP	SEXP		
LTAR	U	U	U	U	.225	.2	.25			

Description	Initial System	Repair	Other Factors 1946
System Type	25%	25%	Site Classification PS
LTAR	.25	.25	

Evaluated by Gary Easter Jeff Link 1073

LICENSED SOIL SCIENTIST GARY L. EASTER STATE OF NORTH CAROLINA

Sheet ____ of ____
PROPERTY ID #: ____
COUNTY: IREDELL

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

OWNER: RICHARD BOSWELL APPLICATION DATE ____

ADDRESS: 450 BRUMLEY ROAD MOORESVILLE N.C. DATE EVALUATED: 11/29/22

PROPOSED FACILITY: 6BR/HSE PROPOSED DESIGN FLOW (.1949): 720 PROPERTY SIZE: 16.6 ACRES

LOCATION OF SITE: 448 BRUMLEY ROAD MOORESVILLE N.C. PROPERTY RECORDED: ____

WATER SUPPLY: (Private) . Public (Well) . Spring . Other ____

EVALUATION METHOD: (Auger Boring) . (Pit) . TYPE OF WASTEWATER: . (Sewage) . Industrial Process . Mixed

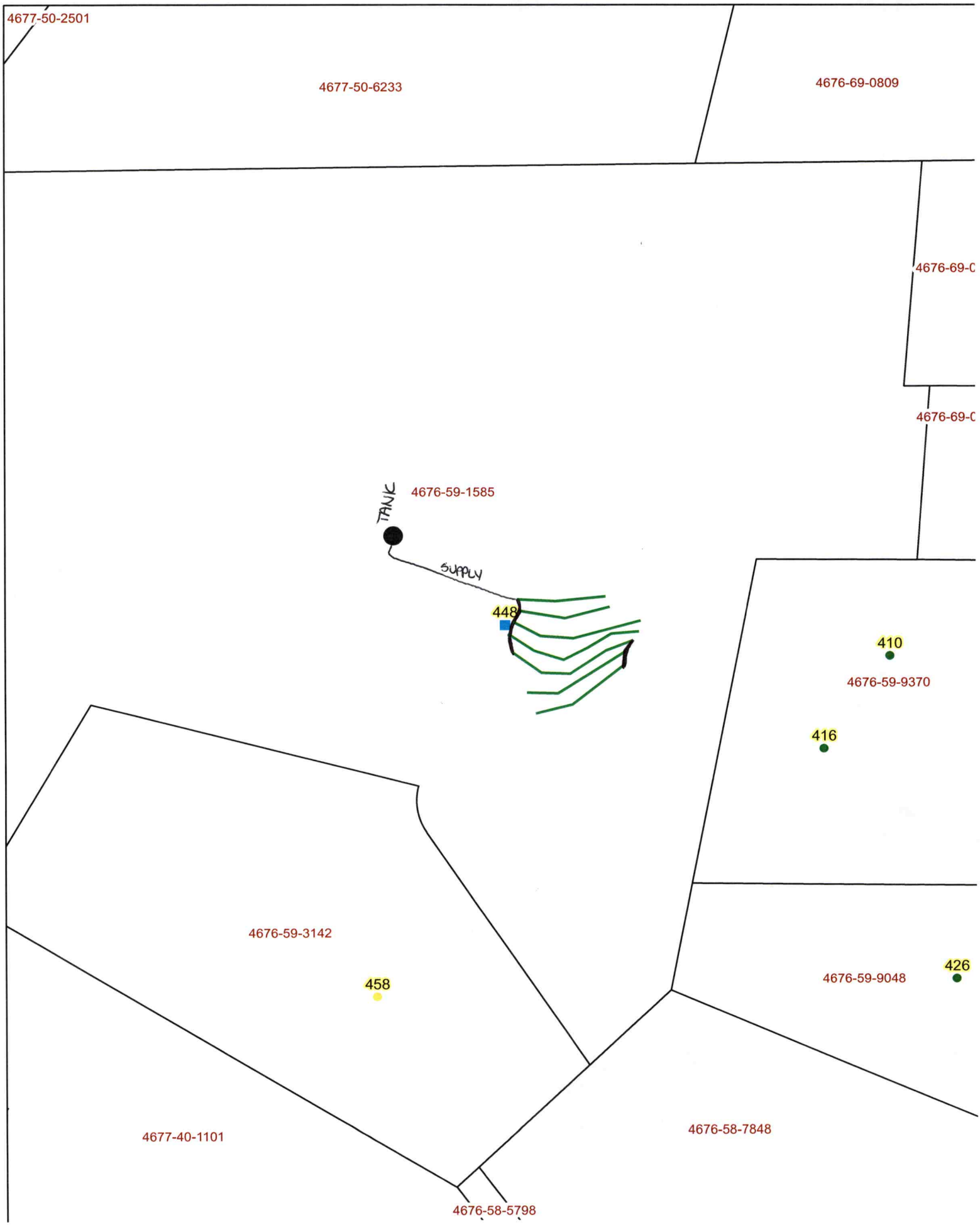
PIN # 4676591585.000

	P11	A1	A2	A3	A4	A5	A6	A7	A8	
Landscape Position (1940)	L	L	L	L	L	L	L	L	L	
Slope%	<4%	<4%	<4%	<4%	<4%	<4%	<4%	<4%	<4%	
H 1 Depth (1943)	0-4	0-10	0-16	0-8	0-8	0-10	0-8	0-6	0-12	
H1 texture 1941	cl	cl	cl	cl	cl	cl	cl	cl	cl	
H1 Structure 1941	GR	GR	GR	GR	GR	GR	GR	GR	GR	
H1 Consistance 1941	FRSSSP	FRSSSP	FRSSSP	FRSSSP	FRSSSP	FRSSSP	FRSSSP	FRSSSP	FRSSSP	
H1 Mineralogy 1941	SEXP	SEXP	SEXP	SEXP	SEXP	SEXP	SEXP	SEXP	SEXP	
H 2 Depth (1943)	4-25	10-18	16-48	8-44	8-42	10-42	8-44	6-30	12-46	
H2 texture 1941	C	C	C	C	C	C	C	C	C	
H2 Structure 1941	Blky	Blky	Blky	Blky	Blky	Blky	Blky	Blky	Blky	
H2 Consistance 1941	FISP	FISP	FISP	FISP	FISP	FISP	FISP	FISP	FISP	
H2 Mineralogy 1941	SEXP	SEXP	SEXP	SEXP	SEXP	SEXP	SEXP	SEXP	SEXP	
H 3 Depth (1943)	25-55	18-		44-	42	42	44-	30-	46	
H3 texture 1941	RC	C		RC	RC	RC	RC	RC	RC	
H3 Structure 1941	SL	Blky		SL	SL	SL	SL	SL	SL	
H3 Consistance 1941	FRSSSP	VFISP		FRSSSP	FRSSSP	FRSSSP	FRSSSP	FRSSSP	FRSSSP	
H3 Mineralogy 1941	SEXP	EXP		SEXP	SEXP	SEXP	SEXP	SEXP	SEXP	
H 4 Depth (1943)										
H4 texture 1941										
H4 Structure 1941										
H4 Consistance 1941										
H4 Mineralogy 1941										
LTAR	.25	U	.25	.25	.25	.25	.25			

Description	Initial System	Repair	Other Factors 1946
System Type	25%	25%	Site Classification PS
LTAR	.25	.25	

LICENSED SOIL SCIENTIST GARY L. EASTER 2407 STATE OF NORTH CAROLINA

Evaluated by GARY EASTER JEFF LINK 1073


4677-50-2501
4677-50-6233
4676-69-0809
4676-69-0
4676-69-0
TANK
4676-59-1585
SUPPLY
448
410
4676-59-9370
416
4676-59-3142
458
426
4676-59-9048
4677-40-1101
4676-58-7848
4676-58-5798

ICHD - ENVIRONMENTAL HEALTH DIVISION

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

PERMIT # OSWP-2023-30225

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

PIN # 4676-59-1585

PPLICANT / OWNER: Richard Boswell APPLICANT ADDRESS: 448 Brumley Rd Mooresville NC

ITE ADDRESS: 448 BRUMLEY RD, MOORESVILLE, NC 28115 PHONE: ALT. PHONE:

ITE DIRECTIONS: SAP CONTROLLED: YES ☐ NO ☑

UBDIVISION: — SECTION: — LOT #: — LOT AREA: 16.6 DESIGN FLOW: 720 L.T.A.R.: 0.3

eptic Tank: 1500 (gal)	STB:	Date:	☐ New System ☐ Repair ☐ Expansion	System Type: III	☑ Residence	No. Bedrooms: 6	Water Supply: New Well
ump Tank: (gal)	PT:	Date:	System Description: Gravity 25% reduction		☐ Business	No. Persons: 6	
ump Make:	Model:	Serial #:	Repair System Description: 25% reduction		☐ Other	No. Employees:	
Nitrification Fields: 1	# Lines: 8	Linear Ft.: 720	Maintenance Agreement Required: ☐ YES ☑ NO		☐ Slab	☑ Crawl Space	
ench Width: 36	Trench Bottom Depth (Low side): 34		Gravel Depth: —	☐ GRAVITY ☐ PRESSURE	☐ Basement w/ Plumbing	☐ Basement w/o Plumbing	

omments / Conditions: This Improvement Permit is issued pursuant to G.S. 130A-335 (a2) and (a3) using the signed and sealed LSS/LG evaluation(s) ttached here. This Construction Authorization is issued pursuant to G.S. 130A-335(a2) and (a5) using the signed and sealed plans or evaluations attached here.

INITIAL SITE SKETCH

AS BUILT SKETCH

rmit 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

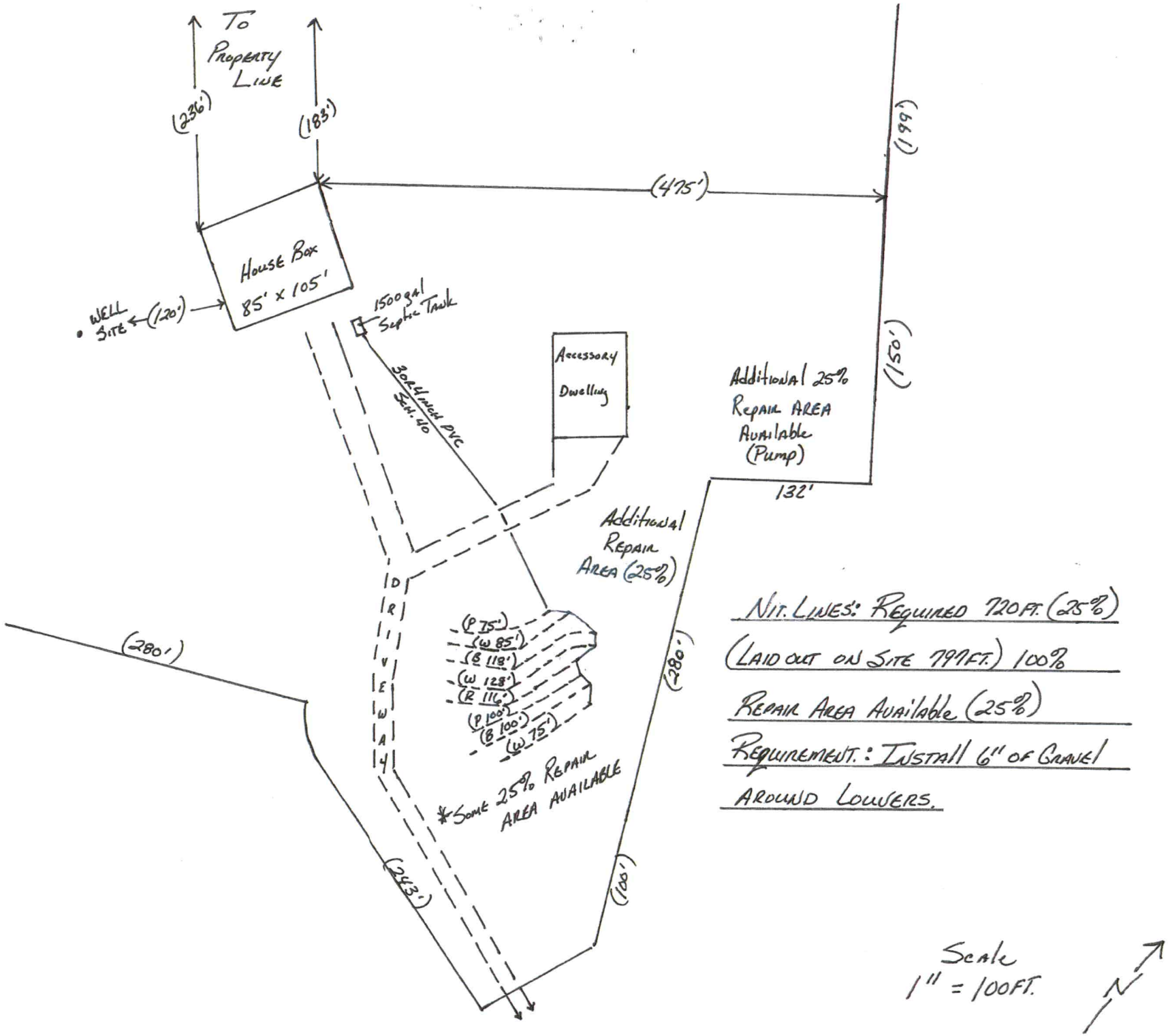
] IMPROVEMENT PERMIT with plat valid without expiration. ☑ IMPROVEMENT PERMIT with site plan valid for 60 mos. ☑ AUTHORIZATION TO CONSTRUCT valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.

wner / Applicant Signature: RWB Date: Installed By:

IPROVEMENT PERMIT by: Bryan A Bolt Date: 7/28/2023 OPERATION PERMIT by: Date:

UTHORIZATION TO CONSTRUCT by: Bryan A Bolt Date: 7/28/2023 Existing System Inspected By: Date:

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


To Property Line
(236')
(183')
(475')
(199')
House Box
85' x 105'
WELL SITE
(120')
1500 gal Septic Tank
3" Schedule PVC Sch. 40
Accessory Dwelling
Additional 25% Repair Area Available (Pump)
(150')
132'
Additional Repair Area (25%)
(280')
(280')
DRIVEWAY
(P 75')
(W 85')
(S 118')
(W 128')
(R 116')
(P 100')
(S 100')
(W 75')
*Some 25% Repair Area Available
(243')
(100')
NIT. LINES: REQUIRED 720 FT. (25%)
(LAID OUT ON SITE 799 FT.) 100%
REPAIR AREA AVAILABLE (25%)
REQUIREMENT: INSTALL 6" OF GRAVEL
AROUND LOWERS.
Scale
1" = 100 FT.
N

Sheet ____ of ____
PROPERTY ID #: _____
COUNTY: IREDELL

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

OWNER: Richard Boswell APPLICATION DATE _____
ADDRESS: 450 Brumley Road Mooresville N.C. DATE EVALUATED: 11/29/22
PROPOSED FACILITY: 6BR/HSE PROPOSED DESIGN FLOW (.1949): 720 PROPERTY SIZE: 16.6 ACRES
LOCATION OF SITE: 448 Brumley Road Mooresville N.C. PROPERTY RECORDED: _____
WATER SUPPLY: (Private) . Public (Well) . Spring . Other _____
EVALUATION METHOD: (Auger Boring) . (Pit) . TYPE OF WASTEWATER: (Sewage) . Industrial Process . Mixed

PIN # 4676591585.000

(PITS)	1	2	3	4	5	6	7	8	9	10
Landscape Position (1940)	L	L	L	L	L	L	L	L	L	L
Slope%	<6%	<6%	<6%	<6%	<8%	<6%	<4%	<4%	<4%	<4%
H 1 Depth (1943)	0-12	0-10	0-14	0-6	0-8	0-9	0-6	0-10	0-10	0-7
H1 texture 1941	cl	cl	cl	cl	cl	cl	cl	cl	cl	cl
H1 Structure 1941	GR	GR	GR	GR	GR	GR	GR	GR	GR	GR
H1 Consistance 1941	FRSSSP	FRSSSP	FRSSSP	FRSSSP	FRSSSP	FRSSSP	FRSSSP	FRSSSP	FRSSSP	FRSSSP
H1 Mineralogy 1941	SEXP	SEXP	SEXP	SEXP	SEXP	SEXP	SEXP	SEXP	SEXP	SEXP
H 2 Depth (1943)	12-	10-	14-	6-	8-29	9-32	6-18	10-24	10-36	7-42
H2 texture 1941	C/SW	C/SW	C/SW	C/SW	C	C	C	C	C	C
H2 Structure 1941	Blky	Blky	Blky	Blky	Blky	Blky	Blky	Blky	Blky	Blky
H2 Consistance 1941	VFISP	VFISP	VFISP	VFISP	FISP	FISP	FISP	FISP	FISP	FISP
H2 Mineralogy 1941	EXP	EXP	EXP	EXP	SEXP	SEXP	SEXP	SEXP	SEXP	SEXP
H 3 Depth (1943)					29-48	Trench Depth 20"	18-35	24-42	36-	42-58
H3 texture 1941					C/BC		C/BC	C/BC	C	RC
H3 Structure 1941					Blky		Blky	Blky	Yellow Brown Mottles	SL
H3 Consistance 1941					FISP		FISP	FISP	Trench 20"	FRSSSP
H3 Mineralogy 1941					SEXP		SEXP	SEXP		EXP
H 4 Depth (1943)							35-48			
H4 texture 1941							RC			
H4 Structure 1941							SL			
H4 Consistance 1941							FRSSSP			
H4 Mineralogy 1941							SEXP			
LTAR	U	U	U	U	.225	.2	.25			

Description	Initial System	Repair	Other Factors 1946
System Type	25%	25%	Site Classification PS
LTAR	.25	.25	

Evaluated by GARY EASTER JEFF LINK 1073

Sheet ____ of ____
PROPERTY ID #: ____
COUNTY: IREDELL

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

OWNER: Richard Boswell APPLICATION DATE ____
ADDRESS: 450 Brumley Road Mooresville N.C. DATE EVALUATED: 11/29/22
PROPOSED FACILITY: 6BR/HSE PROPOSED DESIGN FLOW (.1949): 720 PROPERTY SIZE: 16.6 Acres
LOCATION OF SITE: 448 Brumley Road Mooresville N.C. PROPERTY RECORDED: ____
WATER SUPPLY: (Private) . Public (Well) . Spring . Other ____
EVALUATION METHOD: (Auger Boring) . (Pit) . TYPE OF WASTEWATER: (Sewage) . Industrial Process . Mixed

PIN # 4676591585.000

	P11	A1	A2	A3	A4	A5	A6	A7	A8	
Landscape Position (1940)	L	L	L	L	L	L	L	L	L	
Slpoe%	<4%	<4%	<4%	<4%	<4%	<4%	<4%	<4%	<4%	
H 1 Depth (1943)	0-4	0-10	0-16	0-8	0-8	0-10	0-8	0-6	0-12	
H1 texture 1941	cl	cl	cl	cl	cl	cl	cl	cl	cl	
H1 Structure 1941	GR	GR	GR	GR	GR	GR	GR	GR	GR	
H1 Consistance 1941	FRSSSP	FRSSSP	FRSSSP	FRSSSP	FRSSSP	FRSSSP	FRSSSP	FRSSSP	FRSSSP	
H1 Mineralogy 1941	SEXP	SEXP	SEXP	SEXP	SEXP	SEXP	SEXP	SEXP	SEXP	
H 2 Depth (1943)	4-25	10-18	16-48	8-44	8-42	10-42	8-44	6-30	12-46	
H2 texture 1941	C	C	C	C	C	C	C	C	C	
H2 Structure 1941	Blky	Blky	Blky	Blky	Blky	Blky	Blky	Blky	Blky	
H2 Consistance 1941	FISP	FISP	FISP	FISP	FISP	FISP	FISP	FISP	FISP	
H2 Mineralogy 1941	SEXP	SEXP	SEXP	SEXP	SEXP	SEXP	SEXP	SEXP	SEXP	
H 3 Depth (1943)	25-55	18-		44-	42	42	44-	30-	46	
H3 texture 1941	RC	C		RC	RC	RC	RC	RC	RC	
H3 Structure 1941	SL	Blky		SL	SL	SL	SL	SL	SL	
H3 Consistance 1941	FRSSSP	VFISP		FRSSSP	FRSSSP	FRSSSP	FRSSSP	FRSSSP	FRSSSP	
H3 Mineralogy 1941	SEXP	EXP		SEXP	SEXP	SEXP	SEXP	SEXP		
H 4 Depth (1943)										
H4 texture 1941										
H4 Structure 1941										
H4 Consistance 1941										
H4 Mineralogy 1941										
LTAR	.25	u	.25	.25	.25	.25	.25			

Description	Initial System	Repair	Other Factors 1946
System Type	25%	25%	Site Classification PS
LTAR	.25	.25	

LICENSED SOIL SCIENTIST GARY L. EASTER 2407 STATE OF NORTH CAROLINA

Evaluated by Gary Easter Jeff Link 1073

NCDHHS

Permit #: OSWP-2023-30225

This Section for Local Health Department Use Only

Initial submittal received: 7/24/2023 (*Date*) by BB (*Initials*)

G.S. 130A-335(a3) states the following:

When an applicant for an Improvement Permit submits to a local health department an Improvement Permit application, the permit fee charged by the local health department, the common form developed by the Department, and a soil evaluation pursuant to subsection (a2) of this section, the local health department shall, within five business days of receiving the application, conduct a completeness review of the submittal. A determination of completeness means that the Improvement Permit includes all of the required components. If the local health department determines that the Improvement Permit is incomplete, the local health department shall notify the applicant of the components needed to complete the Improvement Permit. The applicant may submit additional information to the local health department to cure the deficiencies in the Improvement Permit. The local health department shall make a final determination as to whether the Improvement Permit is complete within five business days after the local health department receives the additional information from the applicant. If the local health department fails to act within any period set out in this subsection, the applicant may treat the failure to act as a determination of completeness. The Department shall develop a common form for use as the Improvement Permit.

The review for completeness of this Improvement Permit was conducted in accordance with G.S. 130A-335(a3). This Improvement Permit is determined to be:

☐ Incomplete (If box is checked, information in this section is required.)

The following items are missing:

_____

_____

Copies of this were sent to the LSS and the Applicant on _____ (*Date*)

State Authorized Agent: _____ Date: _____

☑ Complete

State Authorized Agent: Benjamin A Botkins Date: 7/28/2023

This Improvement Permit is issued pursuant to G.S. 130A-335 (a2) and (a3) using the signed and sealed LSS/LG evaluation(s) attached here. The issuance of this permit by the Health Department in no way guarantees the issuance of other permits. The permit holder is responsible for checking with appropriate governing bodies in meeting their requirements. This permit is subject to revocation if the site plan, plat, or the intended use changes. The Improvement Permit shall not be affected by a change in ownership of the site. This permit is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to the conditions of this permit.

The Department, the Department's authorized agents, and the local health departments shall be discharged and released from any liabilities, duties, and responsibilities imposed by statute or in common law from any claim arising out of or attributed to evaluations, submittals, or actions from a licensed soil scientist or licensed geologist pursuant to GS 130A-335(a2).

Improvement Permit Expiration Date: 7/28/2028

See attached site sketch

Permit #: OSWP-2023-30225

This Section for Local Health Department Use Only

Initial submittal received: 7/24/2023 (*Date*) by BB (*Initials*)

G.S. 130A-335(a5) states the following:

When an applicant for a Construction Authorization, or an Improvement Permit and Construction Authorization together, submits a Construction Authorization, or an Improvement Permit and Construction Authorization application together, the permit fee charged by the local health department, the common form developed by the Department, and any necessary signed and sealed plans or evaluations conducted by a person licensed pursuant to Chapter 89C of the General Statutes as a licensed engineer or a person certified pursuant to Article 5 of Chapter 90A of the General Statutes as an Authorized On-Site Wastewater Evaluator, the local health department shall, within five business days of receiving the application, conduct a completeness review of the submittal. A determination of completeness means that the Construction Authorization or Improvement Permit and Construction Authorization includes all of the required components. If the local health department determines that the Construction Authorization or Improvement Permit and Construction Authorization is incomplete, the local health department shall notify the applicant of the components needed to complete the Construction Authorization or Improvement Permit and Construction Authorization. The applicant may submit additional information to the local health department to cure the deficiencies in the Construction Authorization or Improvement Permit and Construction Authorization. The local health department shall make a final determination as to whether the Construction Authorization or Improvement Permit and Construction Authorization is complete within five business days after the local health department receives the additional information from the applicant. If the local health department fails to act within any period set out in this subsection, the applicant may treat the failure to act as a determination of completeness. The applicant may apply for the building permit for the project upon the decision of completeness of the Construction Authorization or Improvement Permit and Construction Authorization by the local health department or if the local health department fails to act within five business days. The Authorized On-Site Wastewater Evaluator or licensed engineer submitting the evaluation pursuant to this subsection may request that the local health department revoke or suspend the Construction Authorization or Improvement Permit and Construction Authorization for cause. Upon written request of the Authorized On-Site Wastewater Evaluator or licensed engineer, the local health department shall suspend or revoke the Construction Authorization or Improvement Permit and Construction Authorization pursuant to G.S. 130A-23. The Department shall develop a common form for use as the Construction Authorization.

The review for completeness of this Construction Authorization was conducted in accordance with G.S. 130A-335(a5). This Construction Authorization is determined to be:

☐ Incomplete (If box is checked, information in this section is required.)

The following items are missing: _____

_____

Copies of this were sent to the AOWE/PE and the Applicant on _____ (*Date*)

State Authorized Agent: _____ Date: _____

☑ Complete

State Authorized Agent: Benjamin A Botkins Date of Issuance: 7/28/2023

This Construction Authorization is issued pursuant to G.S. 130A-335(a2) and (a5) using the signed and sealed plans or evaluations attached here. This Construction Authorization is subject to revocation if the site plan, plat, or the intended use changes. The Construction Authorization shall not be affected by a change in ownership of the site. This Construction Authorization is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to the conditions of this permit.

The Department, the Department's authorized agents, and the local health departments shall be discharged and released from any liabilities, duties, and responsibilities imposed by statute or in common law from any claim arising out of or attributed to plans, evaluations, preconstruction conference findings, submittals, or actions from a person licensed pursuant to Chapter 89C of the General Statutes as a licensed engineer or a person certified pursuant to Article 5 of Chapter 90A of the General Statutes as an Authorized On-Site Wastewater Evaluator in GS 130A-335(a2), (a5), and (a7). The Department, the Department's authorized agents, and the local health departments shall be responsible and bear liability for their actions and evaluations and other obligations under State law or rule, including the issuance of the operations permit pursuant to GS 130A-337.

Construction Authorization Expiration Date: 7/28/2023

See attached site sketch

County: Iredell

This Section for Local Health Department Use Only

Initial submittal received: 7/21/2023 (*Date*) by BB (*Initials*)

Permit Number: OSWP-2023-31491

G.S. 130A-335(a4) states the following: *'If a local health department fails to act on an application for an improvement permit submitted pursuant to subsection (a3) of the section within 10 business days of receipt of a complete application, the local health department shall issue the improvement permit.'*

In accordance with G.S. 130A-335(a3) the improvement permit application is:

☒ Incomplete (If box is checked, information in this section is required.)

The following items are missing:

_____

_____

Copies of this were sent to the LSS and the Owner on _____ (*Date*)

State Authorized Agent: _____ Date: _____

☐ Denied (See attached report.)

Copies of this were sent to the LSS and the Owner on _____ (*Date*)

State Authorized Agent: _____ Date: _____

☐ Complete

State Authorized Agent: _____ Date of Issuance: _____

This Improvement Permit is issued pursuant to G.S. 130A-335 (a2), (a3), and (a4) using the signed and sealed LSS/LG evaluation(s) attached here. The issuance of this permit by the Health Department in no way guarantees the issuance of other permits. The permit holder is responsible for checking with appropriate governing bodies in meeting their requirements. This site is subject to revocation if the site plan, plat, or the intended use changes, or if information submitted in the application was falsified, inaccurate or misleading. The Improvement Permit shall not be affected by a change in ownership of the site. This permit is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to conditions of this permit. The location and identification of all property lines, easements, water lines, and other appropriate utilities shall be the responsibility of the owner.

The Department, the Department's authorized agents, and the local health departments shall be discharged and released from any liabilities, duties, and responsibilities imposed by statute or in common law from any claim arising out of or attributed to evaluations, submittals, or actions from a licensed soil scientist or licensed geologist pursuant to GS 130A-335(a2).

Improvement Permit Expiration Date: _____

See attached site sketch

County: Iredell

IMPROVEMENT PERMIT FOR G.S. 130A-335(a2)/SL2022-11

PIN/Lot Identifier: 4676591585000

Issued To: Richard Boswell

Property Location: 448 Brumley Rd

Subdivision: _____ Lot #: _____ Block: _____ Section: _____

LSS Report Provided: Yes ☑ No ☐

If yes, name and license number of LSS: Gary L Easter 1073

New ☑ Repair ☐ Expansion ☐ System Relocation ☐

Proposed Structure: single family Residence

Proposed Wastewater System Type: Accepted 25% (Initial) Accepted 25% (Repair)

Fill System: ☐ Yes ☑ No If yes, specify: ☐ New ☐ Existing (when adding more than 6 inches of fill to system area please provide a fill plan)

Proposed Design Daily Flow: 720 GPD Proposed LTAR (Initial): .25 Proposed LTAR (Repair): .25

Design Wastewater Strength: ☑ domestic ☐ high strength ☐ industrial process

Number of bedrooms: 6 Number of Occupants: 12 max Other: _____

Pump Required: ☐ Yes ☐ No ☑ May be required based upon final location and elevations of facilities

Artificial Drainage Required: ☐ Yes ☑ No If yes, please specify details: _____

Type of Water Supply: ☑ Private well ☐ Public well ☐ Municipal Supply ☐ Spring ☐ Other: _____

Drainfield location meets requirements of Rule .1945: Yes ☑ No ☐

Drainfield location meets requirements of Rule .1950: Yes ☑ No ☐

Permit valid for: ☑ Five years [site plan submitted pursuant to GS 130A-334(13a)] ☐ No expiration [plat submitted pursuant to GS 130A-334(7a)]

Permit conditions:

see attached installer information sheet

Licensed Soil Scientist Print Name: Gary L Easter

Licensed Soil Scientist Signature: [signature] 1073 Date: 6-7-2023

The LSS evaluation is being submitted pursuant to and meets the requirements of G.S. 130A-335(a2).

See attached site sketch

LICENSED SOIL SCIENTIST
GARY L. EASTER
1073
STATE OF NORTH CAROLINA

County: Iredell

CONSTRUCTION AUTHORIZATION FOR G.S. 130A-335(a2)/SL2022-11

PIN/Lot Identifier: 4676591585 000

Issued To: Richard Boswell

Property Location: 448 Brumley Rd

AOWE/PE Plans/Evaluations Provided: Yes ☑ No ☐ If yes, name and license number of AOWE/PE: Gary L Easter 10014E

Facility Type: single family residence

☑ New ☐ Expansion ☐ Repair ☐ System Relocation

Basement? ☑ Yes ☐ No Basement Fixtures? ☐ Yes ☑ No

Type of Wastewater System** Accepted 25% (Initial) Accepted 25% (Repair)

Design Daily Flow: 720 GPD Wastewater Strength: ☑ domestic ☐ high strength ☐ industrial process

Session Law 2014-120 Section 53, Engineering Design Utilizing Low-flow Fixtures and Low-flow Technologies? ☐ Yes ☑ No

Installation Requirements/Conditions

Septic Tank Size: 1500 gallons Total Trench/Bed Length: 720 feet Trench/Bed Spacing: 9 feet on center

Drainfield square footage: 2880 Trench/Bed Width: 36 inches LTAR: .25 gpd/ft²

Soil Cover: 22 inches Slope Adjusted Maximum Trench/Bed Depth: 34 inches

Aggregate Depth: _____inches above pipe _____inches below pipe _____inches total

Pump Tank Size (if applicable): _____ gallons Requires more than 1 pump? ☐ Yes ☑ No

Pump Requirements: _____ ft. TDH vs. _____ GPM Grease Trap Size (if applicable): _____ gallons

Distribution Method: ☑ Serial ☐ D-Box or Parallel ☐ Pressure Manifold(s) ☐ LPP ☐ Other: _____

Artificial Drainage Required: Yes ☐ No ☑ If yes, please specify details: _____

Legal Agreements *(If the answer is "Yes" to any type of legal agreements, please attach a copy of the agreement.)*

Multi-party Agreement Required [.1937(h)]: ☐ Yes ☑ No

Easement, Right-of-Way, or Encroachment Agreement Required [.1938(j)]: ☐ Yes ☑ No

Declaration of Restrictive Covenants: ☐ Yes ☑ No

****If applicable:**

I understand the system type specified is different from the type specified on the application. I accept the specifications of this permit.

Owner/Legal Representative Print Name: _____

Owner/Legal Representative Signature: _____ Date: _____

Pre-Construction Conference Required: Yes ☑ No ☐

Conditions: see attached installer information sheet

The construction and installation requirements of Rules .1950, .1952, .1954, .1955, .1956, .1957, .1958, and .1959 are incorporated by reference into this permit and shall be met. Systems shall be installed in accordance with the attached system layout.

AOWE/PE Print Name: Gary L Easter

AOWE/PE Signature: [signature] 10014E Date: 6-7-2023

This AOWE/PE submittal is pursuant to and meets the requirements of G.S. 130A-335(a2) and (a5).

See attached site sketch

NC ONSITE WASTEWATER EVALUATOR
Certification Number 10014E

LEY
SOIL & Onsite Wastewater CONSULTING PLLC

Project Name: Richard Boswell Date: 6-7-2023

Session Law 2022-11 (S372), AUTHORIZATION FORM

LEY Soil & Onsite Wastewater Consulting has been contracted to evaluate soil, design, and submit an Onsite Wastewater system proposal to the Iredell County Environmental Health Department on behalf of

Richard Boswell 450 Brumley Rd 443-995-3125
Pin: 4676591585000

The Licensed Soil Scientist (LSS) Evaluation attached to this application is to be used to produce, design, and include construction features for permitting in accordance with SL 2022-11, S372

"The LSS evaluation is being submitted pursuant to and meets the requirements of G.S. 130A-335(a2).

"The plans or evaluations attached to this application are to be used to issue a Construction Authorization in accordance with G.S. 130A-335(a2), (a5) and (a6).

Owner Signature

Gene Young--(336)-909-9060 geneleysoils@icloud.com
Gary Easter--(336)-909-9058 garyleysoils@icloud.com
Jeff Link--(336)-909-8624 jeffleysoils@icloud.com
NC Licensed Soil Scientist, AOWE, NC Environmental Health Specialist

LEY
SOIL & Onsite Wastewater CONSULTING PLLC

(336)-608-9206 gyoung127@icloud.com
(336)-940-7672 geaster56@icloud.com
(704)-310-6529 Jll2663@gmail.com
NC Licensed Soil Scientist. NC Environmental Health Specialist

Date: 6/6/23

Application For Professional Services

Richard Boswell — Applicant
450 Brumley Road — Address
443-995-3125 — Phone

Email: building boswell @gmail. com

Site Address 448 Brumley Road
Tax Map PIN 4676591585.000
Lot Number
Lot
Size 16.6 Acres

Directions to Site:

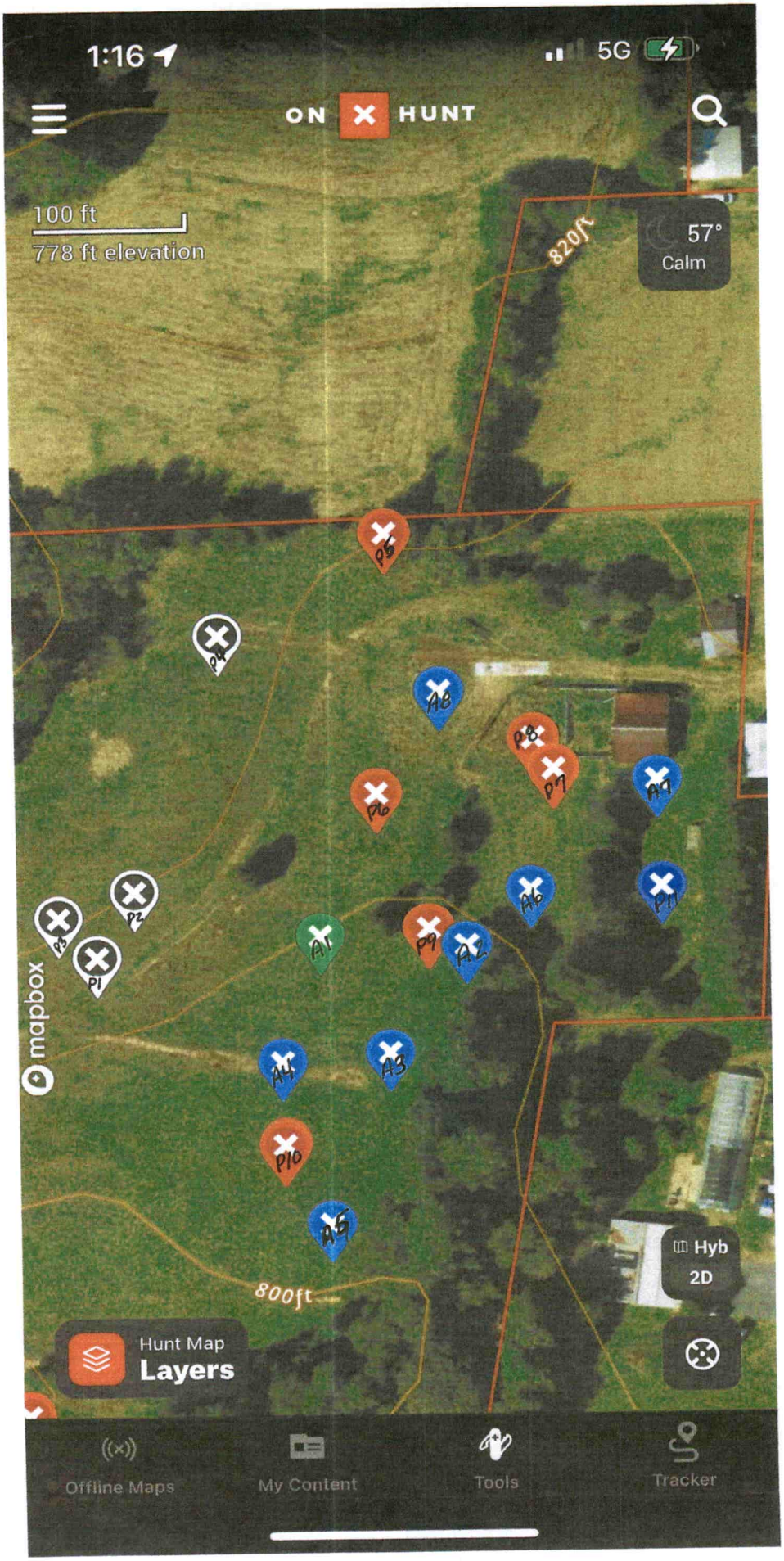
OF BEDROOMS 6

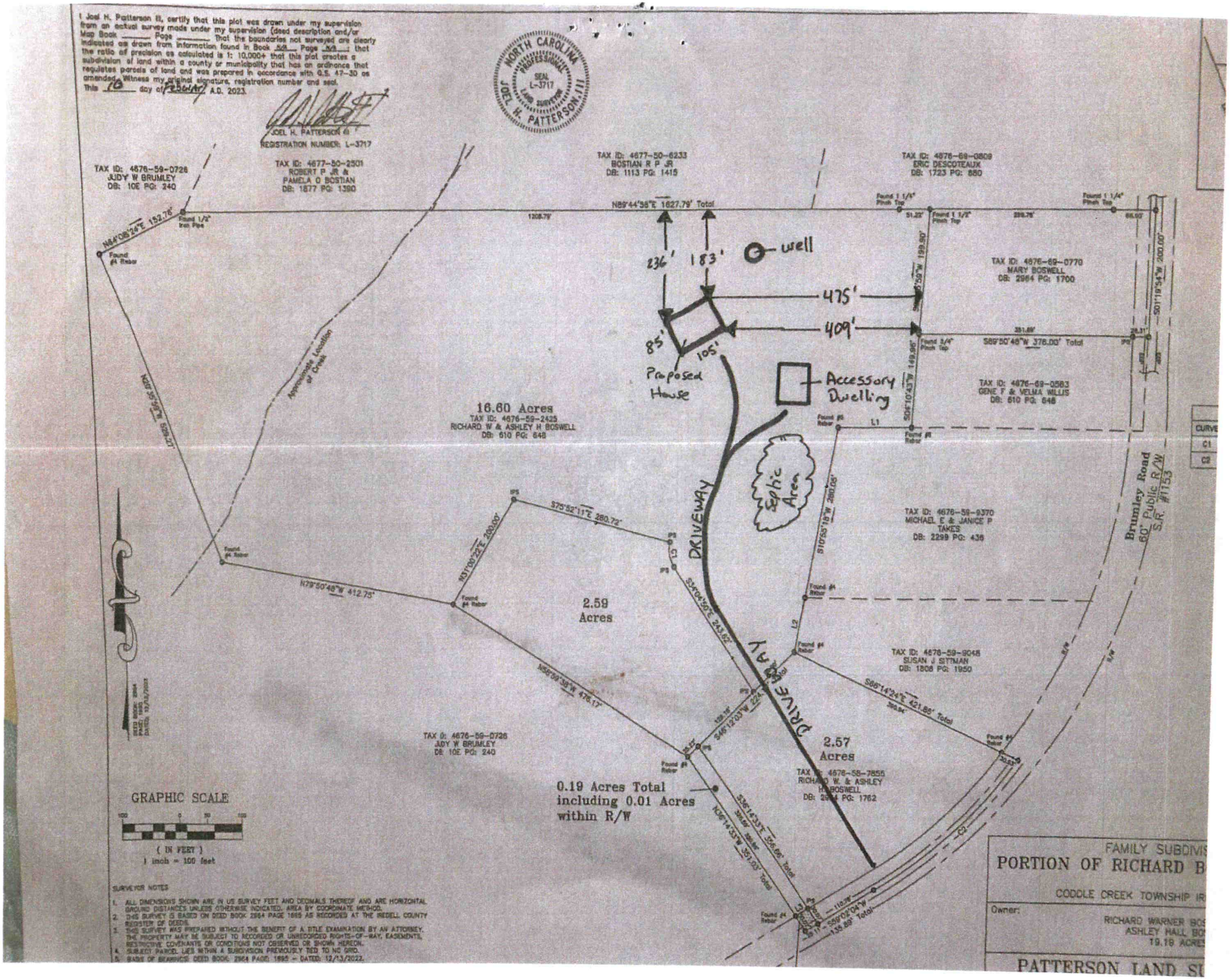
Soil Science Services Requested:

Water Supply: Are there any existing wells, springs, or existing waterlines on this property? ● yes ● no

● New well ● Existing Well ● Community Well ● Public Water ● Spring

I have read this application and certify that the information provided herein is true, complete and correct. LEY Soils 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. All payment for professional services is due 30 days from receipt of invoice.


1:16
5G
ON HUNT
100 ft
778 ft elevation
820ft
57°
Calm
mapbox
Hyb
2D
800ft
Hunt Map
Layers
Offline Maps
My Content
Tools
Tracker


I Joel H. Patterson III, certify that this plat was drawn under my supervision from an actual survey made under my supervision (deed description and/or Map Book _____ Page _____ That the boundaries not surveyed are clearly indicated as drawn from information found in Book 3A Page 1A ; that the ratio of precision as calculated is 1: 10,000+ that this plat creates a subdivision of land within a county or municipality that has an ordinance that regulates parcels of land and was prepared in accordance with G.S. 47-30 as amended. Witness my original signature, registration number and seal. This 18 day of February A.D. 2023.
JOEL H. PATTERSON III
REGISTRATION NUMBER: L-3717
NORTH CAROLINA PROFESSIONAL SEAL L-3717 LAND SURVEYOR JOEL H. PATTERSON, III
TAX ID: 4676-59-0726 JUDY W BRUMLEY DB: 10E PG: 240
TAX ID: 4677-50-2501 ROBERT P JR & PAMELA O BOSTIAN DB: 1877 PG: 1390
TAX ID: 4677-50-6233 BOSTIAN R P JR DB: 1113 PG: 1415
TAX ID: 4676-69-0809 ERIC DESCOTEAUX DB: 1723 PG: 850
N89°44'56"E 1627.79' Total
N84°08'24"E 152.76'
Found 1/2" Iron Pipe
Found #4 Rebar
Found 1 1/4" Pinch Top
1208.79'
51.22'
288.78'
66.60'
236'
183'
well
475'
409'
85'
105'
Proposed House
Accessory Dwelling
TAX ID: 4676-69-0770 MARY BOSWELL DB: 2984 PG: 1700
S01°19'54"W 200.00'
S89°50'48"W 376.00' Total
Found 3/4" Pinch Top
381.69'
24.31'
S01°10'43"W 149.96'
TAX ID: 4676-69-0583 GENE F & VELMA MILLIS DB: 610 PG: 848
16.60 Acres
TAX ID: 4676-59-2425 RICHARD W & ASHLEY H BOSWELL DB: 610 PG: 848
N89°55'56"W 1629.27'
Approximate Location of Creek
Found #5 Rebar
L1
Found #6 Rebar
Septic Area
DRIVEWAY
TAX ID: 4676-59-9370 MICHAEL E & JANICE P TAKES DB: 2299 PG: 436
Brumley Road 60' Public R/W S.R. #1153
S10°53'18"W 280.05'
S75°52'11"E 280.72'
IPS
IPF
L3
N31°09'22"E 289.00'
Found #4 Rebar
N79°50'48"W 412.75'
S34°04'55"E 243.92'
2.59 Acres
L2
TAX ID: 4676-59-9045 SUSAN J SITTMAN DB: 1808 PG: 1950
S66°14'24"E 421.86' Total
N56°09'38"W 476.17'
S46°12'03"W 224.
TAX ID: 4676-59-0726 JUDY W BRUMLEY DB: 10E PG: 240
2.57 Acres
TAX ID: 4676-58-7855 RICHARD W. & ASHLEY H. BOSWELL DB: 2984 PG: 1762
0.19 Acres Total including 0.01 Acres within R/W
S36°14'33"E 356.89' Total
N26°14'33"W 351.03' Total
S59°03'04"W 135.89' Total
C1
C2
GRAPHIC SCALE
100 0 50 100
(IN FEET)
1 inch = 100 feet
SURVEYOR NOTES
1. ALL DIMENSIONS SHOWN ARE IN US SURVEY FEET AND DECIMALS THEREOF AND ARE HORIZONTAL GROUND DISTANCES UNLESS OTHERWISE INDICATED. AREA BY COORDINATE METHOD.
2. THIS SURVEY IS BASED ON DEED BOOK 2984 PAGE 1695 AS RECORDED AT THE IREDELL COUNTY REGISTER OF DEEDS.
3. THIS SURVEY WAS PREPARED WITHOUT THE BENEFIT OF A TITLE EXAMINATION BY AN ATTORNEY. THE PROPERTY MAY BE SUBJECT TO RECORDED OR UNRECORDED RIGHTS-OF-WAY, EASEMENTS, RESTRICTIVE COVENANTS OR CONDITIONS NOT OBSERVED OR SHOWN HEREON.
4. SUBJECT PARCEL LIES WITHIN A SUBDIVISION PREVIOUSLY TIED TO NC GRID.
5. BASIS OF BEARINGS: DEED BOOK: 2984 PAGE: 1695 - DATED: 12/13/2022.
FAMILY SUBDIVI
PORTION OF RICHARD B
CODDLE CREEK TOWNSHIP IR
Owner:
RICHARD WARNER BO
ASHLEY HALL BO
19.19 ACRES
PATTERSON LAND SU