ICHD - ENVIRONMENTAL HEALTH DIVISION

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

MW BCC-2022-7462 PERMIT # AP OSWP 2022-7710

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

PIN # 4637 -- 91 -- 8374

APPLICANT/OWNER: Ronnie Thompson | APPLICANT ADDRESS: 121 Thompson Farm Dr. Mooresville 28117

SITE ADDRESS: 762 Brawley School Rd, Mooresville 28117 ✓ | PHONE: 704-361-5160 | ALT. PHONE

SITE DIRECTIONS: Morrison Plantation - (R) Brawley School - Lot on (R) | SAP CONTROLLED: ☐ YES ☑ NO

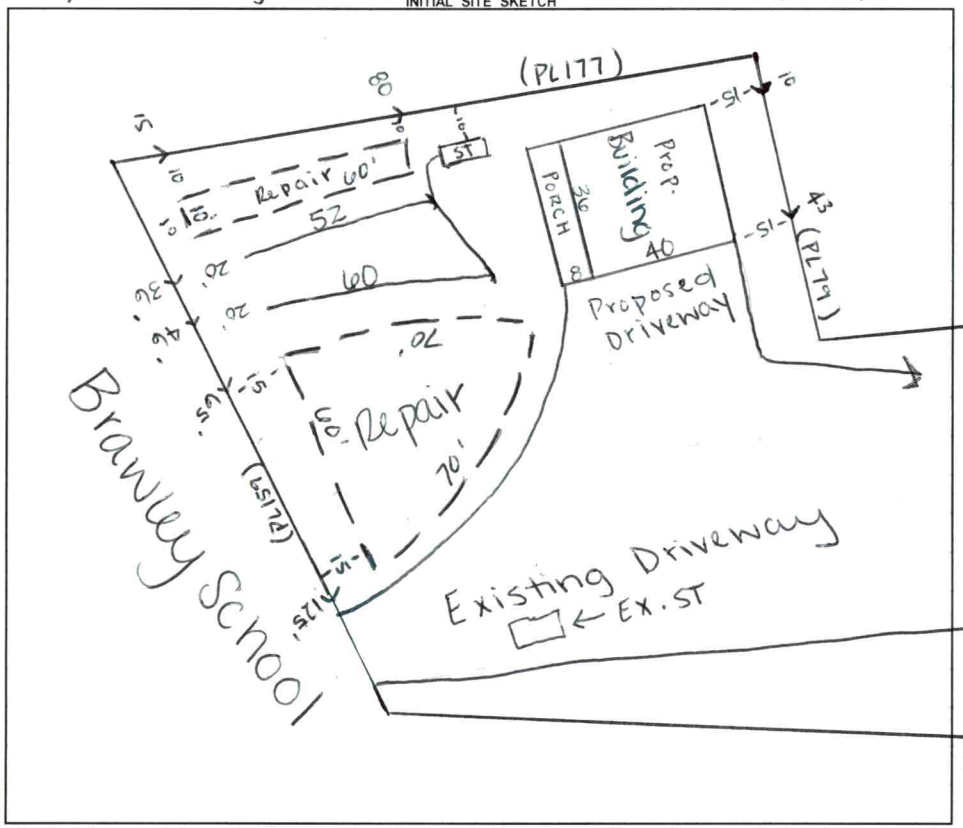
SUBDIVISION: | SECTION: — | LOT # — | LOT AREA: 0.907 | DESIGN FLOW: 100gpd | L.T.A.R.: .275 (R. .225)

Septic Tank	1000 (gal)	STB	760	Date	6/21/23	☑ New System ☐ Repair ☐ Expansion	System Type: I II (III) IV V VI	☐ Residence	No. Bedrooms —	Water Supply
Pump Tank	(gal)	PT		Date		System Description:	25% Reduction	☑ Business	No. Persons —	☑ Private
Pump Make		Model		Serial #		Repair System Description:	25% Reduction	☐ Other	No. Employees 4	☐ Public
# Nitrification Fields	1	# Lines	2	Linear Ft	112'	Maintenance Agreement Required:	☐ YES ☑ NO	☑ Slab	☐ Crawl Space	☐ Community
Trench Width	36"	Trench Bottom Depth(Low side)	36" Max	Gravel Depth	—		☑ GRAVITY ☐ PRESSURE	☐ Basement w/plumbing		☐ Basement w/o plumbing

Comments / Conditions: Do not pave, grade, park, drive, or bury utilites in drainfield. Could not locate all of existing system. If its dug into during install, call 704-880-4996 (Sydney)

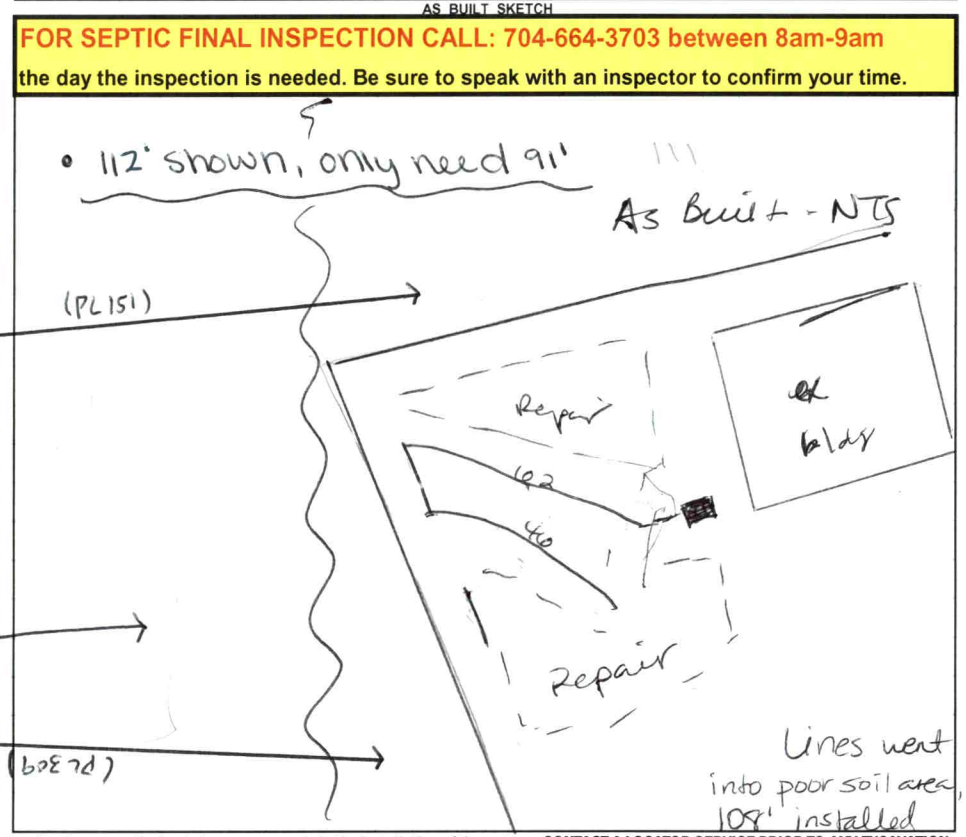
Pump, crush, & fill old Septictank

INITIAL SITE SKETCH



AS BUILT SKETCH

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



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: Online | Date: 10/24/22 | Installed by: Richard Abernathy

IMPROVEMENT PERMIT by: Sydney Holland | Date: 1/18/23 | OPERATION PERMIT by: D. Webern | Date: 8/1/23

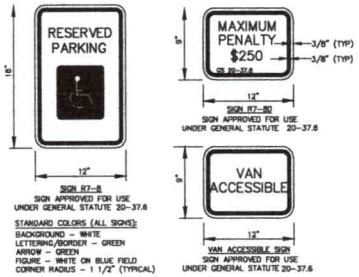
AUTHORIZATION TO CONSTRUCT by: Sydney Holland | Date: 3/21/23 | Existing System Inspected by: | Date:

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

Item	Date	Initials
Drain Lines Checked		
Tanks Checked		
Pressure Manifold or Valve Box Checked		
Pressure Head Set		
Electrical Checked		
Floats Set		
Alarm Checked		
Maintenance Contract Needed? Y / N		
Comments:		

Repairs Only	
	State Code
Failing System Code	
Type of Distribution	G or P
Type of Failure/Malfunction	
Primary Cause of Failure/Malfunction	
Age of System? _____	
Initial or Repair? _____	



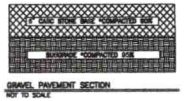


HANDICAP SIGN DETAILS

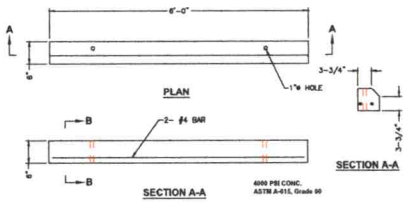
N.T.S.

GENERAL NOTES:

1. REGARDLESS OF AGE, ALL ACCESSIBLE SPACES SHALL BE IDENTIFIED BY ABOVE-GROUND SIGNS ONLY. (SEE N.C.G.S.)
2. NEW SPACES SHALL NOT USE GROUND-PAINTED SYMBOLS.
3. ACCESSIBLE SPACES ARE REQUIRED TO BE STRIPED OFF ONLY; BLUE COLORING IS NOT NECESSARY NOR REQUIRED.
4. STRIPING IS WHITE ON DARK PAVEMENT; BLACK ON LIGHT PAVEMENT. (N.C.D.O.T.)



GRAVEL PAVEMENT SECTION
NOT TO SCALE



CONCRETE WHEELSTOP DETAIL

N.T.S.

SITE NOTES:

1. PROPERTY INFORMATION

OWNERS: RONNIE THOMPSON
PIN NUMBERS: 4637918374
EXISTING ZONING: COMMERCIAL (CB) CUD (TREATED AS H-B)
EXISTING LAND USE: RESIDENTIAL
SITE ADDRESS: 762 BRAWLEY SCHOOL RD MOORESVILLE, NC 28117
OWNER ADDRESS: 121 THOMPSON FARM RD MOORESVILLE, NC 28117

2. THE PROJECT IS LOCATED WITHIN IREDELL COUNTY
3. PARCEL BOUNDARIES, TOPOGRAPHIC DATA, EASEMENTS, EXISTING WATER METER AND SANITARY SEWER ARE SHOWN PER FIELD SURVEY PERFORMED BY SUMMEY SURVEYING, PLLC
4. PROPOSED USE: COMMERCIAL (PLUMBING SUPPLY)
5. PARKING REQUIRED: 1 SPACE PER 250 SQ FT GROSS FLOOR AREA
   REQUIRED: 1600 / 250 = 7 SPACES REQUIRED
   PROVIDED: 8 INCLUDING (1) HC VAN ACCESSIBLE SPACE
6. SETBACKS:
   FRONT= 30 FT
   SIDE= 10 FT
   REAR= 20 FT
7. DISTURBED AREA: 0.35 ACRES
8. HANDICAP SPACES SHALL BE INSTALLED PER ADA REQUIREMENTS.
9. MAXIMUM SEPARATION BETWEEN SANITARY SEWER CLEANOUTS SHALL BE 50'.
10. OBTAIN ALL APPLICABLE PERMIT APPROVALS PRIOR TO ANY CONSTRUCTION.
11. CONFIRM UTILITY TIE INS WITH ARCHITECTURAL DESIGN PRIOR TO CONSTRUCTION.
12. WATER AND SEWER UTILITY TIE IN LOCATIONS ARE SHOWN ON THIS PLAN FOR REFERENCE ONLY.

LANDSCAPE NOTE:

BUFFER YARD: SECTION 5.1.5 EXCEPTIONS DO NOT REQUIRE LANDSCAPE BUFFERS ON SITE.

PARKING LANDSCAPE: SECTION 5.3 EXEMPTIONS FOR PARKING LESS THAN 25 SPACES

EXISTING SITE AREAS:

TOTAL SITE AREA:	39,204 SF	(0.90 AC)
IMPERVIOUS AREA:	15,351 SF	(0.35 AC)
GRASS/WOODS:	21,716 SF	(0.55 AC)

EXISTING IMPERVIOUS (BUA) %: 39%

PROPSED SITE AREAS:

IMPERVIOUS AREA:	13,219 SF	(0.30 AC)
GRASS/WOODS:	25,985 SF	(0.60 AC)

EXISTING IMPERVIOUS (BUA) %: 33.72%

DRAWING LEGEND

- PROPERTY LINE
- ADJOINING PROPERTY LINE
- EXISTING TREELINE
- PROPOSED TREELINE
- SETBACK LINES
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SANITARY SEWER LINE
- PROPOSED SANITARY SEWER LINE
- PROPOSED SANITARY SEWER MANHOLE
- EXISTING WATER LINE
- EXISTING WATER VALVE
- EXISTING FIRE HYDRANT
- PROPOSED WATER LINE
- 100 YEAR FLOOD PLAIN
- EXISTING STORM PIPE

0' 20' 40' 60'
DRAWING SCALE

NORTH CAROLINA PROFESSIONAL SEAL 20647 10-14-22 ENGINEER MACK SUMMEY JR.

SEA

Summey Engineering Associates, PLLC
Engineering - Consulting - Surveying
PO Box 944
Asheboro, NC 27204
Phone 336-626-0902 Fax 336-626-0922
Email info@summeyengineering.com
NC Professional Engineering Firm License No. P-0316

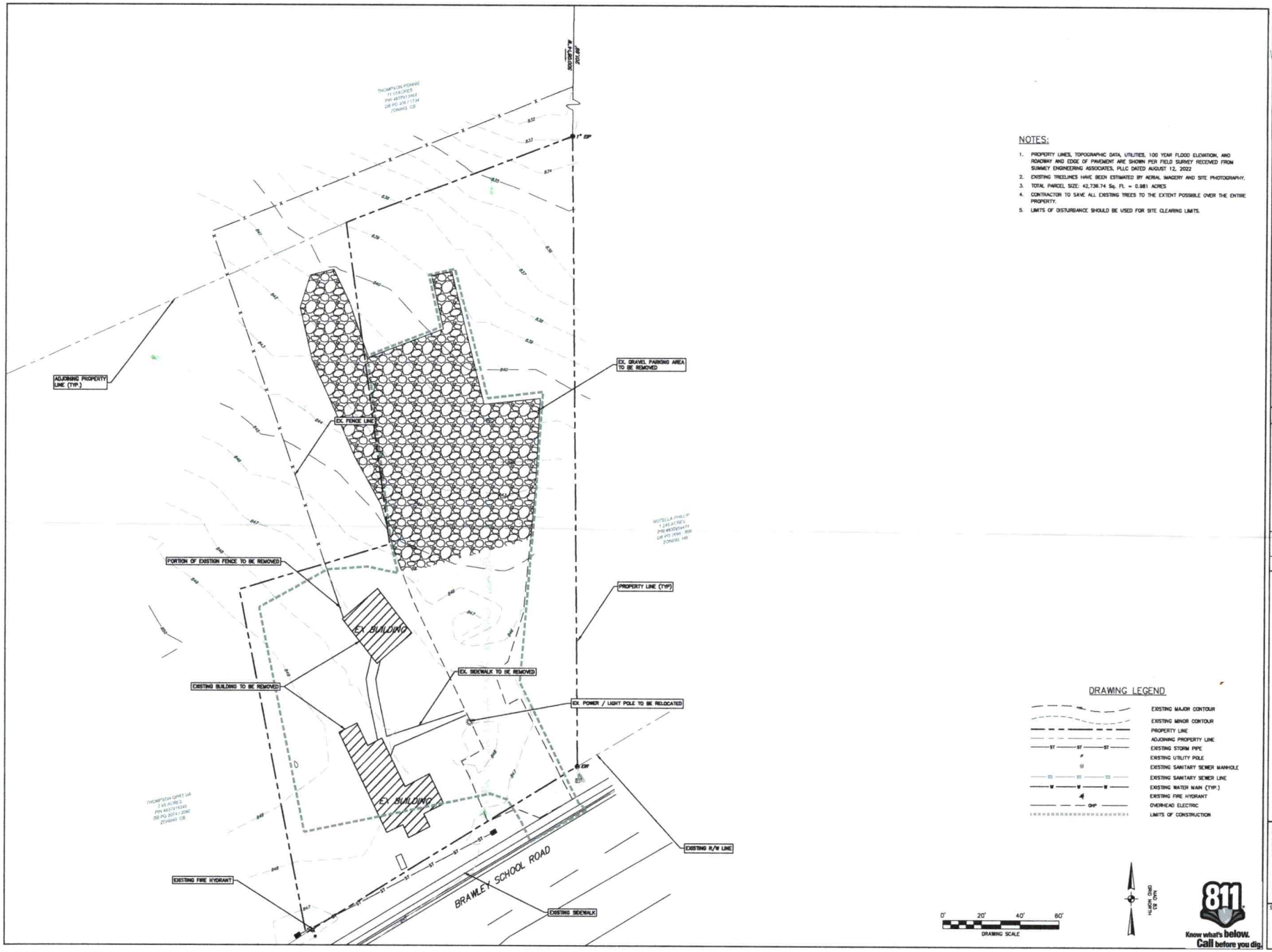
No.	Date:	Description:	By:

SITE AND UTILITY
RONNIE D. THOMPSON
762 BRAWLEY SCHOOL ROAD
IREDELL COUNTY - DAVIDSON TOWNSHIP - NORTH CAROLINA

Scale:	AS NOTED
Date:	SEPT. 2022
Drawn By:	PBC
Checked By:	MMSJ
Job No.:	E-9147

Sheet No. C-3

811 Know what's below. Call before you dig.



NOTES:

1. PROPERTY LINES, TOPOGRAPHIC DATA, UTILITIES, 100 YEAR FLOOD ELEVATION, AND ROADWAY AND EDGE OF PAVEMENT ARE SHOWN PER FIELD SURVEY RECEIVED FROM SUMMEY ENGINEERING ASSOCIATES, PLLC DATED AUGUST 12, 2022
2. EXISTING TREELINES HAVE BEEN ESTIMATED BY AERIAL IMAGERY AND SITE PHOTOGRAPHY.
3. TOTAL PARCEL SIZE: 42,736.74 Sq. Ft. = 0.981 ACRES
4. CONTRACTOR TO SAVE ALL EXISTING TREES TO THE EXTENT POSSIBLE OVER THE ENTIRE PROPERTY.
5. LIMITS OF DISTURBANCE SHOULD BE USED FOR SITE CLEARING LIMITS.

DRAWING LEGEND

- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- PROPERTY LINE
- ADJOINING PROPERTY LINE
- EXISTING STORM PIPE
- EXISTING UTILITY POLE
- EXISTING SANITARY SEWER MANHOLE
- EXISTING SANITARY SEWER LINE
- EXISTING WATER MAIN (TYP.)
- EXISTING FIRE HYDRANT
- OVERHEAD ELECTRIC
- LIMITS OF CONSTRUCTION

0' 20' 40' 60'
DRAWING SCALE

NORTH (GRID OR OWN)

811 Know what's below. Call before you dig.

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 39447 10-14-22 H. BRICE SUMMEY, JR.

SEA

Summey Engineering Associates, PLLC
Engineering - Consulting - Surveying
PO Box 968
Asheboro, NC 27204
Phone: 336-318-0903 Fax: 336-318-0922
Email: info@summeyengineering.com
NC Professional Engineering Firm License No. P-0334

No.	Date:	Description:	By:

EXISTING CONDITIONS AND DEMO

RONNIE D. THOMPSON

782 BRAWLEY SCHOOL ROAD

IREDELL COUNTY - DAVIDSON TOWNSHIP - NORTH CAROLINA

Scale:	AS NOTED
Date:	SEPT., 2022
Drawn By:	PSC
Checked By:	HMSJ
Job No.:	E-9147
Sheet No.	C-2

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

Sheet 1 of 1
PROPERTY ID #: 4637918374
COUNTY: Iredell

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

OWNER: Ronnie Thompson
ADDRESS: 121 Thompson Farm Dr., Mooresville 28117
PROPOSED FACILITY: Bathroom
PROPOSED DESIGN FLOW (.1949): 100gpd
LOCATION OF SITE: 762 Brawley School Rd, 28117
WATER SUPPLY: Private Public Well Spring Other
EVALUATION METHOD: Auger Boring [Pit] Cut
TYPE OF WASTEWATER: [Sewage] Industrial Process Mixed

APPLICATION DATE 10/24/22
DATE EVALUATED: 1/18/23
PROPERTY SIZE: 0.907
PROPERTY RECORDED: Yes

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
1	2%	0-32	C I ABK	SS-SP-FR-SEXP	Micainc- common thru-out	48"	—	—	P.S .3
		32-48	CL ISBK	SS-SP-FR-SEXP					
2	2%	0-12	FILL	Mixed	2.5Y6/4@12", (CL .3 micainc.) 10YR8/3@18"	50"	—	—	P.S .225 (Clayer)
		12-32	C/ABK	SS-SP-FR-SEXP					
		32-50	CL/SBK	SS-SP-FR-SEXP					
3	2%	0-6	FILL	Mixed	10YR6/4@6-17" micainc comm. incl	57"			P.S .275 under 17
		6-27	C/ABK	SS-SP-FR-SEXP					
		27-57	CL/SBK	SS-SP-FR-SEXP					
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	91'	112'
System Type(s)	25%	25%
Site LTAR	.275	.225

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

COMMENTS:

LEGEND

use the following standard abbreviations

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

MOIST	WET
VFR (Very Friable)	NS (Non-sticky)
FR (Friable)	SS (Slightly Sticky)
FI (Firm)	S (Sticky)
VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
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).

