ICHD - ENVIRONMENTAL HEALTH DIVISION

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

PERMIT # OSWP-2023-16746

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

PIN # 4761-80-4638

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

SITE ADDRESS: 1525 SHINNVILLE RD, CLEVELAND, NC 27013 | PHONE: 7043101832 | ALT. PHONE:

SITE DIRECTIONS: N NC21 -> R Shinnville -> lot on L | SAP CONTROLLED: YES ☑ NO ☐

SUBDIVISION: N/A | SECTION: N/A | LOT #: N/A | LOT AREA: 35.151 | DESIGN FLOW: 480 | L.T.A.R.: 0.35

Septic Tank: 1000 (gal)	STB:	Date:	☑ New System ☐ Repair ☐ Expansion	System Type: III	☑ Residence	No. Bedrooms: 4	Water Supply: Existing Well
Pump Tank: 1000 (gal)	PT:	Date:	System Description: Existing + 25% Reduction		☐ Business	No. Persons: 8	
Pump Make:	Model:	Serial #:	Repair System Description: 50% Reduction		☐ Other	No. Employees:	
# Nitrification Fields: 1	# Lines: 2	Linear Ft.: 172	Maintenance Agreement Required: ☐ YES ☑ NO		☐ Slab	☐ Crawl Space	
Trench Width: 36	Trench Bottom Depth [redacted]): 36 MAX		Gravel Depth: 0	☐ GRAVITY ☑ PRESSURE	☑ Basement w/ Plumbing	☐ Basement w/o Plumbing	

Comments / Conditions: Install new drainlines & change manifold according to design by Michael Athanas & Associates.
Do not pave, grade, park, drive, or bury utilities in drainfield. Must divert drainage & maintain proper setbacks to drainage

INITIAL SITE SKETCH

See attached site plan & design by Michael Athanas & Assoc. approved 3/6/23

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: [signature] Date:

IMPROVEMENT PERMIT by: [signature] D. Mebane Date: 3/6/23

AUTHORIZATION TO CONSTRUCT by: [signature] D Mebane Date: 3/6/23

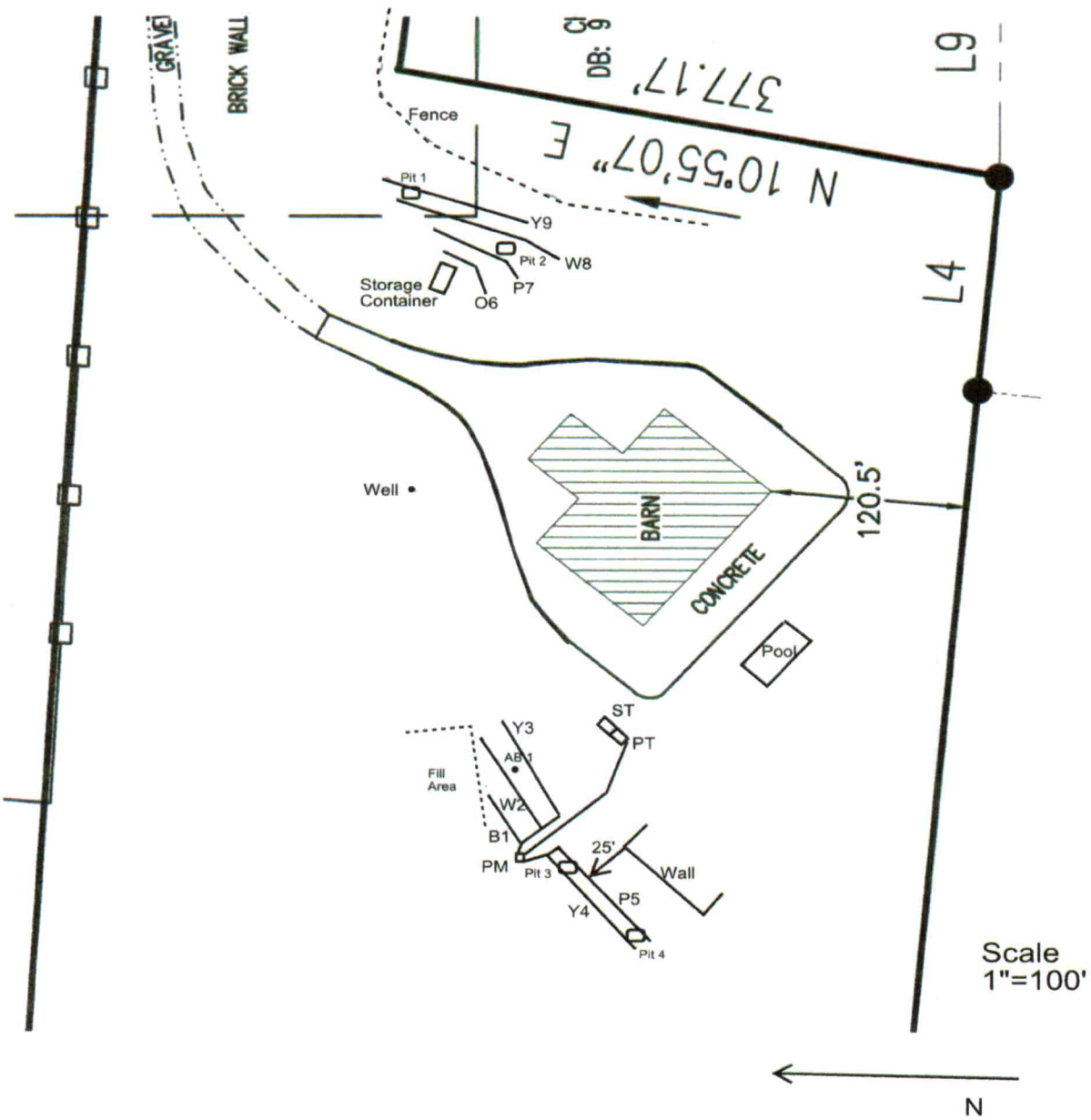
Installed By: Gunter Grading

OPERATION PERMIT by: Matt Wint Date: 3/10/23

Existing System Inspected By: Date:

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

APPROVED MAR 03 2023



APPROVED MAR 0 3 2023

MA&A
SOIL & ENVIRONMENTAL CONSULTANTS

MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
556 Walden Trail
Weddington, NC 28173
(704) 576-3887
2/14/2023

Reference: Data Sheet for 1525 Shinnville Rd
House Footprint: See attached plan
Building Setbacks: 35' front/rear, 15' side
Water Source: Existing Well
Number of Bedrooms/Daily Flow: 4/480 GPD
Proposed LTAR: 0.35 GPD/FT^2 (initial), 0.3 GPD/FT^2 (repair)
Proposed System Type: 25% Reduction
Proposed Repair System Type: PPBPS
Distribution: Pressure Manifold
Flow per Tap: 2 @ 12.5 GPM
Tap Size and Material: 2 @ ¾" SCH 40
System Flow: 25 GPM
Dosing Volume: 154 gallons
Pump Run Time: 6 minutes
Elevation Head: TBD
Friction Head: TBD
Pressure Head: 2'
Total Dynamic Head: TBD
Supply Line Length: Existing
Septic/Pump Tank Size: 1000/1000 gallons (existing)
Proposed Trench Bottom: 36"

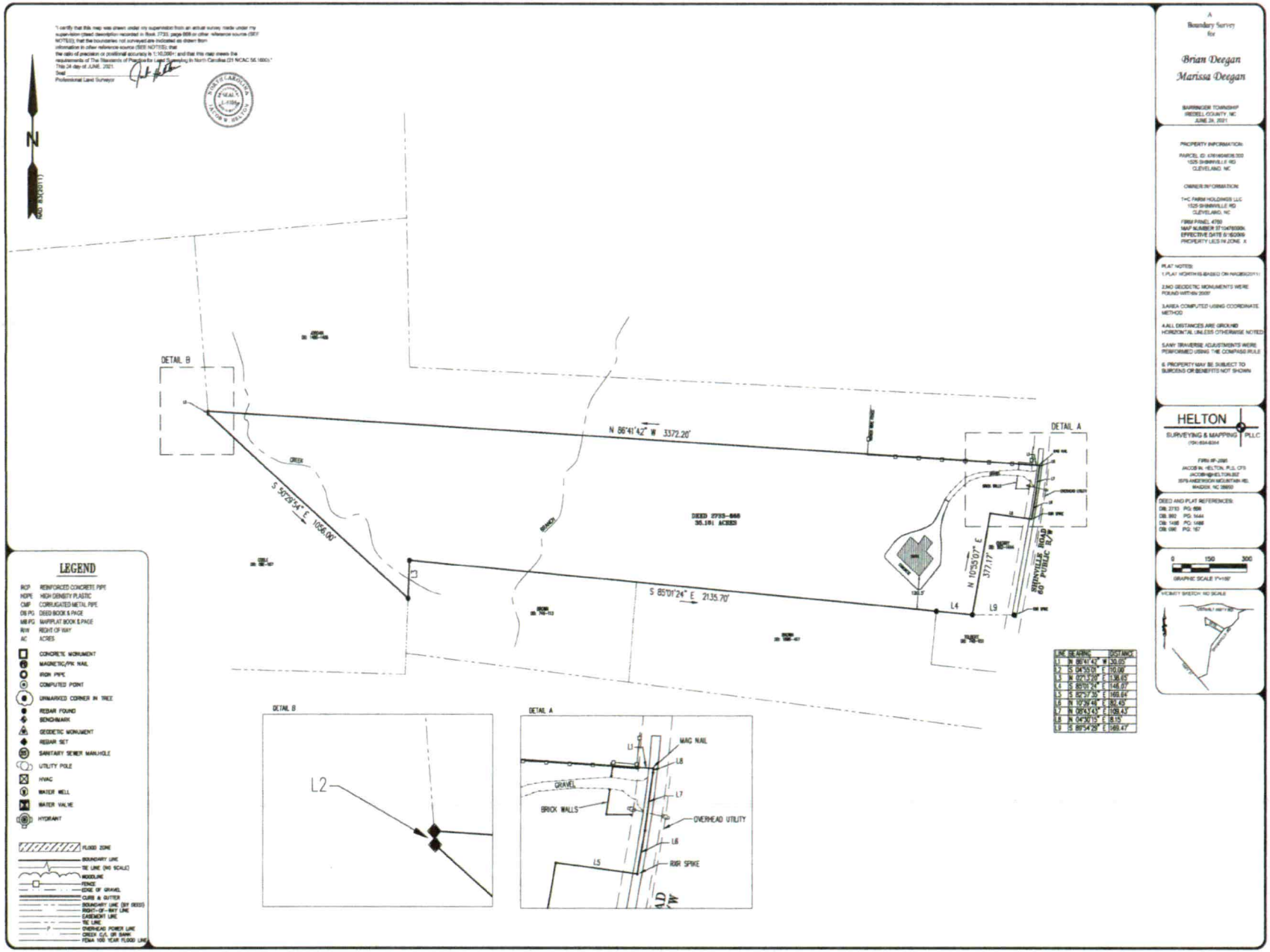
Line	Design Length	Actual Length	Elevation
Blue 1 Ex	**40'**	**70'**	
White 2 Ex	**70'**	**70'**	
Yellow 3 Ex	**70'**	**70'**	
Yellow 4	**86'**	**86'**	
Pink 5	**86'**	**86'**	
Orange 6		45'	
Pink 7		72'	
Yellow 9		92'	

Initial System: 352'
Repair System: 309'
Pump Tank: TBD
House Corner: TBD
Benchmark: TBD

Comments:

The first existing line B1 has been partially covered by fill. MA&A is only giving credit for what is not buried, but we do not recommend removing the fill or shortening the line.
MA&A recommends changing the pressure manifold to 2, ¾" SCH 40 taps. One tap to feed the existing lines and one to feed the new lines. The existing system is 2 bedrooms and the new lines are 2 bedrooms.
Any surface water diversions must be moved from the septic area with the appropriate setbacks maintained.

APPROVED MAR 0 3 2023


I certify that this map was drawn under my supervision from an actual survey made under my supervision (deed description recorded in Book 2733, page 888 or other reference source (SEE NOTES)); that the boundaries not surveyed are indicated as drawn from information in other reference source (SEE NOTES); that the ratio of precision or positional accuracy is 1:10,000+; and that this map meets the requirements of The Standards of Practice for Land Surveying in North Carolina (21 NCAC 56.1600).
This 24 day of JUNE, 2021.
Seal
Professional Land Surveyor
NORTH CAROLINA
SEAL
L-4384
JACOB W. HELTON
N
GRID NORTH
DETAIL B
DETAIL A
N 86°41'42" W 3372.20'
S 50°58'54" E 1056.00'
S 85°01'24" E 2135.70'
N 10°59'07" E
377.17'
CREEK
DEED 2733-888
35.101 ACRES
SHINVILLE ROAD
60' PUBLIC R/W
L1
L2
L3
L4
L5
L6
L7
L8
MAG NAIL
GRAVEL
BRICK WALLS
OVERHEAD UTILITY
RBR SPIKE
LEGEND
RCP REINFORCED CONCRETE PIPE
HDPE HIGH DENSITY PLASTIC
CMP CORRUGATED METAL PIPE
DB/PG DEED BOOK & PAGE
MB/PG MAP/PLAT BOOK & PAGE
R/W RIGHT OF WAY
AC ACRES
CONCRETE MONUMENT
MAGNETIC/PK NAIL
IRON PIPE
COMPUTED POINT
UNMARKED CORNER IN TREE
REBAR FOUND
BENCHMARK
GEODETIC MONUMENT
REBAR SET
SANITARY SEWER MANHOLE
UTILITY POLE
HVAC
WATER WELL
WATER VALVE
HYDRANT
FLOOD ZONE
BOUNDARY LINE
TIE LINE (NO SCALE)
WOODLINE
FENCE
EDGE OF GRAVEL
CURB & GUTTER
BOUNDARY LINE (BY DEED)
RIGHT-OF-WAY LINE
EASEMENT LINE
TIE LINE
OVERHEAD POWER LINE
CREEK C/L OR BANK
FEMA 100 YEAR FLOOD LINE
LINE BEARING DISTANCE
L1 N 86°41'42" W 30.05'
L2 S 04°35'07" E 110.09'
L3 S 85°01'24" E 1,136.65'
L4 S 85°01'24" E 146.07'
L5 S 85°27'35" E 466.64'
L6 N 10°29'48" E 82.45'
L7 N 09°43'43" E 208.43'
L8 N 04°36'13" E 8.13'
L9 S 85°14'29" E 469.47'
A
Boundary Survey
for
Brian Deegan
Marissa Deegan
BARRINGER TOWNSHIP
IREDELL COUNTY, NC
JUNE 24, 2021
PROPERTY INFORMATION:
PARCEL ID: 4781604636.000
1535 SHINNVILLE RD
CLEVELAND, NC
OWNER INFORMATION:
THC FARM HOLDINGS LLC
1535 SHINNVILLE RD
CLEVELAND, NC
FIRM PANEL 4750
MAP NUMBER 3710478000K
EFFECTIVE DATE 5/16/2019
PROPERTY LIES IN ZONE X
PLAT NOTES:
1.PLAT HORIZONTALLY BASED ON NAD83(2011)
2.NO GEODETIC MONUMENTS WERE FOUND WITHIN 200'
3.AREA COMPUTED USING COORDINATE METHOD
4.ALL DISTANCES ARE GROUND HORIZONTAL UNLESS OTHERWISE NOTED
5.ANY TRAVERSE ADJUSTMENTS WERE PERFORMED USING THE COMPASS RULE
6. PROPERTY MAY BE SUBJECT TO BURDENS OR BENEFITS NOT SHOWN
HELTON
SURVEYING & MAPPING PLLC
(704) 604-8264
FIRM #P-2080
JACOB W. HELTON, PLS, CFS
JACOB@HELTON.BIZ
3575 ANDERSON MOUNTAIN RD.
MAXTON, NC 28364
DEED AND PLAT REFERENCES:
DB: 2733 PG: 888
DB: 862 PG: 1644
DB: 1498 PG: 1486
DB: 696 PG: 167
0 150 300
GRAPHIC SCALE 1"=150'
VICINITY SKETCH NO SCALE

PROPERTY ID #: 4761804638
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Brian Deegan APPLICATION DATE
ADDRESS: 1525 Shinnville Rd, Cleveland, NC 27013 DATE EVALUATED:
PROPOSED FACILITY: 4 BDRM PROPOSED DESIGN FLOW (.1949): 480 GPD PROPERTY SIZE: 35.23 AC
LOCATION OF SITE: 1525 Shinnville Rd 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 6%	0-39	R CL WSBK	FR SS SP SXP	N/A	39"	C-M SAP	N/A	PS 0.3-0.4
		39-62	VER SL SAP M	VFR SS SP SXP			PS		
PIT 2	LS 6%	0-20	R C SBK	FR SS SP SXP	N/A	46"		N/A	PS 0.3-0.4
		20-46	R CL WSBK	FR SS SP SXP			F-C SAP		
		46-60	VER SL SAP M	VFR SS SP SXP			PS		
PIT 3	LS 12%	0-16	R CL WSBK	FR SS SP SXP	N/A	16"	C-M SAP	N/A	PS 0.4-0.6
		16-46	VER SL SAP M	VFR SS SP SXP			PS		
		46-62	VER LS SAP M	VFR SS SP SXP			PS		0.35
PIT 4	LS 12%	0-4	Br CL WSBK	FR SS SP SXP	N/A	~~32~~ 44"		N/A	~~PS 0.4+~~
		~~4-32~~ 4-44	R CL WSBK	FR SS SP SXP			C-M SAP		
		~~32~~ 44-62	VER SL SAP M	VFR SS SP SXP			PS		0.35

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	1056 FT^2	618 FT^2
System Type(s)	25% Reduction	PPBPS
Site LTAR	0.35	0.3

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: MA&A
OTHER(S) PRESENT:

COMMENTS:

SOIL/SITE EVALUATION

(Continuation Sheet)

PROPERTY ID #: 4761804638____
DATE OF EVALUATION: ______________
COUNTY: __IREDELL____

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	LS 12%	0-20	R CL WSBK	FR SS SP SXP	N/A	20"	C-M SAP PS	N/A	PS 0.4-0.6
		20-60	VER SL SAP M	VFR SS SP SXP					

COMMENTS:

PERMIT SNAPSHOT REPORT OSWP-2023-16746 FOR IREDELL COUNTY

Permit Type: Environmental Health OSWP
Work Class: EH Septic Improvement Permit
Status: In Progress
Valuation: $0.00
Description: system expansion AC

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

App Date: 02/17/2023
Exp Date: NOT AVAILABLE
Completed: NOT COMPLETED
Approval Expire Date:

Parcel: 4761804638.000 Main
Address: 1525 Shinnville Rd Cleveland, NC 27013 Main
Zone: RA(Residential Agricultural District)

Applicant/Authorized Agent
Michael Athanas & Associates
Gary McNeely
2630 Statesville Blvd
Salisbury, NC 28147
Mobile: (704) 310-1832

Property Owner
BRIAN R+MARISSA S FAMILY TR DEEGAN

Gate Code

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	See plan	What are the proposed structures	Bedroom(s) Addition
If other Addition/Structure, please explain		Maximum Number of Bedrooms	4	Number of Occupants	8
Foundation Type	Basement with Plumbing	Water Supply	Existing Well	Desired Septic System Type	Innovative
If other septic system type, please explain		Additional Unique Setbacks Apply	No		

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Gary_McNeely_2/17/2023.jpg	02/17/2023 9:25	McNeely, Gary		Uploaded via CSS
1525 Shinnville Rd AF_v1.pdf	02/20/2023 12:41	Nebel, Barbara	Available Online	Authorize to Act as Agent
1525 SHINNVILLE RD SOIL_v1.doc	02/20/2023 12:41	Nebel, Barbara	Available Online	Additional Supporting Information
1525 Shinnville Rd_v1.docx	02/20/2023 12:41	Nebel, Barbara	Available Online	Additional Supporting Information
1525 Shinnville Rd_v1.pdf	02/20/2023 12:41	Nebel, Barbara	Available Online	Site Plan
1525 SHINVILLE Rd plat_v1.pdf	02/20/2023 12:41	Nebel, Barbara	Available Online	Additional Supporting Information

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2023-64983	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	02/22/2023			02/22/2023 8:22	02/22/2023 8:22

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	

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00009471	New Gravity System	$500.00	$500.00
	Total for Invoice INV-00009471	$500.00	$500.00
	Grand Total for Permit	**$500.00**	**$500.00**

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		02/20/2023 12:42	02/20/2023 12:42
Confirm application complete v.1	Generic Action		02/20/2023 12:42