ICHD - ENVIRONMENTAL HEALTH DIVISION

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

PERMIT # OSWP-2023-36178

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

PIN # 4627-57-9756

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

SITE ADDRESS: 254 PARADISE PENINSULA RD, MOORESVILLE, NC 28117 | PHONE: 7043101832 | ALT. PHONE:

SITE DIRECTIONS: W NC 150 -> L Paradise Peninsula -> lot at end | SAP CONTROLLED: YES ☐ NO ☑

SUBDIVISION: CL&T | SECTION: 10 | LOT #: 195 | LOT AREA: 0.73 | DESIGN FLOW: 480 | L.T.A.R.: 0.3

Septic Tank: 1000 (gal)	STB:	Date:	☐ New System ☒ Repair ☐ Expansion	System Type: III	☑ Residence	No. Bedrooms: 4	Water Supply: New Well
Pump Tank: (gal)	PT:	Date:	System Description: Existing Bed + 3 ex PPBBPS		☐ Business	No. Persons: 8	
Pump Make:	Model:	Serial #:	Repair System Description: Expand bed (see notes) + new d boxes		☐ Other	No. Employees:	
# Nitrification Fields: 1	# Lines: Bed Exp.	Linear Ft.: Maximize	Maintenance Agreement Required: ☐ YES ☑ NO		☐ Slab	☑ Crawl Space	
Trench Width: 5'	Trench Bottom Depth (Low side): match original ≤ 60"		Gravel Depth: 24	☑ GRAVITY ☐ PRESSURE	☐ Basement w/ Plumbing	☐ Basement w/o Plumbing	

Comments / Conditions: Install according to 2023 plans specified by Michael Athanas & Associates. Maximize gravel bed expansion while meeting all setbacks. Use 24" of stone, set trench bottom to match existing and/or achieve to level pipes but DO NOT exceed 60" depth. DO NOT exceed occupancy of 8 persons, monitor & limit water use to minimize impact on septic - any additional repair will require abandoning entire current system & using designated repair area.

INITIAL SITE SKETCH

see attached site plan by Michael Athanas & associates. READ ALL NOTES

AS BUILT SKETCH

ADDED BED ≈ 6'x 28'

INSTALLED PER SITE PLAN

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: D. Weber Date: 9/19/23

AUTHORIZATION TO CONSTRUCT by: D. Weber Date: 9/19/23

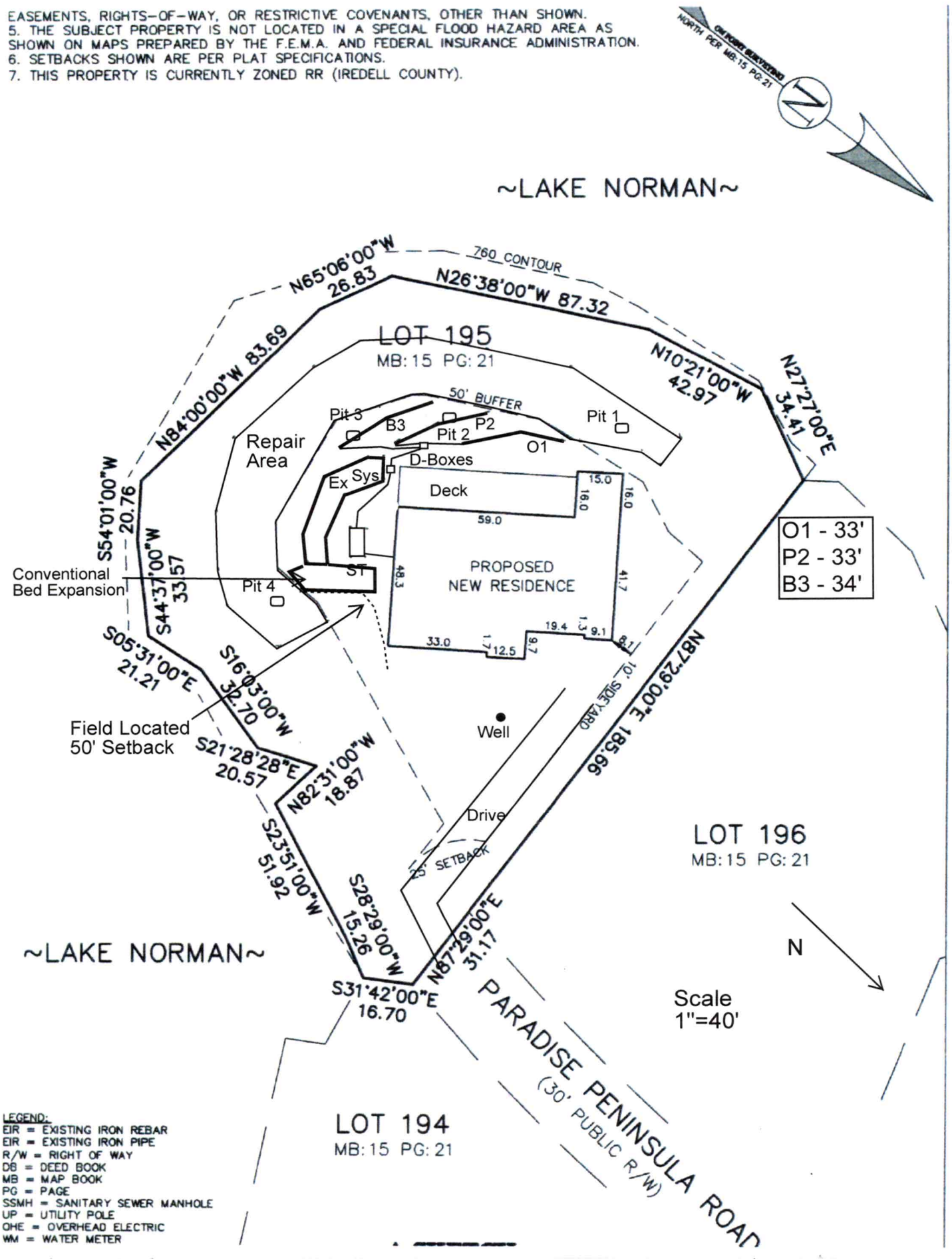
Installed By: GREENWAY WASTEWATER

OPERATION PERMIT by: Bryant C. White Date: 12-5-2023

Existing System Inspected By: _____ Date: _____

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

EASEMENTS, RIGHTS-OF-WAY, OR RESTRICTIVE COVENANTS, OTHER THAN SHOWN.
5. THE SUBJECT PROPERTY IS NOT LOCATED IN A SPECIAL FLOOD HAZARD AREA AS SHOWN ON MAPS PREPARED BY THE F.E.M.A. AND FEDERAL INSURANCE ADMINISTRATION.
6. SETBACKS SHOWN ARE PER PLAT SPECIFICATIONS.
7. THIS PROPERTY IS CURRENTLY ZONED RR (IREDELL COUNTY).



LEGEND:
EIR = EXISTING IRON REBAR
EIR = EXISTING IRON PIPE
R/W = RIGHT OF WAY
DB = DEED BOOK
MB = MAP BOOK
PG = PAGE
SSMH = SANITARY SEWER MANHOLE
UP = UTILITY POLE
OHE = OVERHEAD ELECTRIC
WM = WATER METER



MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
556Walden Trail
Weddington, NC 28173
(704) 576-3887
9/13/2023

Reference: Data Sheet for 254 Paradise Peninsula Rd
House Footprint: See attached plan
Building Setbacks: 35' front/rear, 15' side, 50' lake
Water Source: Existing Private Well
Number of Bedrooms/Daily Flow: 4/480 GPD
Proposed LTAR: 0.3 GPD/FT^2

2023
MA&A, along with Lentz Septic, investigated a premature failure at this property. It was determined that distribution failures along with overuse of water were the issues.
We are proposing to raise the septic tank up approximately 12" and the distribution box about 6". This will allow the proper elevation to get gravity flow to the whole system. There will be an additional distribution box added.
The D-boxes should be set up like the following:

- D-box 1 should have three, 3" outlet pipes. Two pipes should go to the conventional bed. One should go to D-box 2.
- D-box 2 should have 3 lines fed equally to each of the panel lines.

The expansion to the conventional bed should be connected to the existing bed. MA&A propose to make the expansion with 24" of stone and to maximize the available area.



NOTES FROM 2021 EXPANSION:

Proposed Repair System Type: Existing Bed + PPBPS
Distribution: Gravity-Distribution Boxes
Septic Tank Size: 1000 gallons
Proposed Trench Bottom: 36"

Line	Design Length	Actual Length
White	Existing Conventional Bed	
Orange 1	33'	34'
Pink 2	33'	40'
Blue 3	34'	49'

Repair System: Existing Bed + 100' PPBPS

Comments:
The existing permit is for 4 bedrooms (see attached). The foundation has been installed over part of the existing system. The original permit (1973) defined the conventional bed as 7.5' x 75'. The expansion permit (1984) added 80' of conventional line. The system lost 80' of conventional line and approximately 225 FT^2 of the bed (30'x 7.5'). MA&A is proposing to replace the lost conventional area with PPBPS.

225 FT^2/3=75' of conventional line/2=37.5' of PPBPS
80' conv.=40' PPBPS

We need approximately 78' of PPBPS. We are proposing to add 100' of PPBPS.\

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

Sheet 1 of 1
PROPERTY ID #462 75 7956
COUNTY: Iredell

16x76

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

OWNER: Kevin Clem
APPLICATION DATE 9/6/23
ADDRESS: 913 Woodvine Asheville 28803
DATE EVALUATED: 9/13/23
PROPOSED FACILITY: 4BR
PROPOSED DESIGN FLOW (.1949): 480
PROPERTY SIZE: 0.73
LOCATION OF SITE: 254 Paradise Pennington
PROPERTY RECORDED: Y
WATER SUPPLY: ☐ Private ☐ Public ☐ Well ☐ Spring ☐ Other
EVALUATION METHOD: ☒ Auger Boring ☐ Pit ☐ Cut
TYPE OF WASTEWATER: ☒ Sewage ☐ Industrial Process ☐ Mixed

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	OTHER PROFILE FACTORS .1943 SOIL DEPTH	OTHER PROFILE FACTORS .1956 SAPRO CLASS	OTHER PROFILE FACTORS .1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	15	0-9	FILL	—		60"	N/A	N/A	PS
		9-28	C - SYSL	SSSP-FR SKP					
		28-60	CL - SYSL	SSSP-FR SKP					
					Sap inc	28"+			
					mica common		28"+		0.3
2									
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)		Maximize
System Type(s)		
Site LTAR		

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: D. Wiebery
OTHER(S) PRESENT: G. McNeely

COMMENTS:

Updated February 2014

PERMIT SNAPSHOT REPORT OSWP-2023-36178 FOR IREDELL COUNTY

Permit Type: Environmental Health OSWP
Work Class: EH Septic Permit
Status: PRIORITY PERMIT
Valuation: $0.00
Project:
District: Iredell County
Square Feet: 0.00
Assigned To: Wieberg, Danielle
App Date: 09/08/2023
Exp Date: NOT AVAILABLE
Completed: NOT COMPLETED
Approval Expire Date:

Description: repair permit - assign to Danielle, she has worked on site before
Working with Michael Athanas
changing/fixing distribution, adding to existing conventional bed

Parcel: 4627579756.000 Main
Address: 254 Paradise Peninsula Rd Main
Mooresville, NC 28117
Zone: RR(Resort Residential District)

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

Property Owner
WEN Z+YING LIN CHEN

Permit Custom Fields

How is your site plan being submitted	Custom Site Plan	Septic Application/Permit Type	Repair	Does the site contain any jurisdictional wetlands	No
Non-domestic Sewage Generated	No	Other Public Agency	No	All proposed structure dimensions	see plan
Maximum Number of Bedrooms	4	If other Addition/Structure, please explain		Number of Occupants	8
Foundation Type	Crawl Space Foundation	Water Supply	Existing Well	Desired Septic System Type	No Preference
Additional Unique Setbacks Apply	No				

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Gary_McNeely_9/8/2023.jpg	09/08/2023 13:16	McNeely, Gary		Uploaded via CSS

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		09/11/2023 11:18	09/11/2023 11:19
Confirm application complete v.1	Generic Action		09/11/2023 11:19
Environment Health Inspections v.1			
Operation Permit Inspection v.1	Inspection		
OSWP Alarm Checked v.1	Inspection		
OSWP Drain Lines Checked v.1	Inspection		
OSWP Electrical Checked v.1	Inspection		
OSWP Floats Checked v.1	Inspection		
OSWP Maintenance Contract v.1	Inspection		
OSWP Pressure Head Checked v.1	Inspection		
OSWP Pressure Manifold Checked v.1	Inspection		
OSWP Tanks Checked v.1	Inspection		
~~Zoning Review v.1~~			09/11/2023 11:18
~~Floodplain Admin Overview v.1~~	Task		09/11/2023 11:18
~~Issue Invoice v.1~~	Generic Action		09/11/2023 11:18
~~Fees Paid v.1~~	Generic Action		09/11/2023 11:18
Fees v.1			
Issue Invoice v.1	Generic Action		