POOL 2023-166640

ICHD - ENVIRONMENTAL HEALTH DIVISION

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

PERMIT # OSWP-2022-7001

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

PIN # 4649-01-8581

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

SITE ADDRESS: 170 HIDDEN MEADOWS DR, MOORESVILLE, NC 28117 | PHONE: 7043101832 | ALT. PHONE:

SITE DIRECTIONS: Potts Rd to Hidden Meadows Site on Right | SAP CONTROLLED: YES ☐ NO ☒

SUBDIVISION: Hidden Meadows | SECTION: | LOT #: 28 | LOT AREA: 0.797 | DESIGN FLOW: 480 | L.T.A.R.: .275

Septic Tank: (gal) EXT	STB:	Date:	☑ New System ☐ Repair ☐ Expansion	System Type: III	☑ Residence	No. Bedrooms: 4	Water Supply: Existing Well
Pump Tank: (gal)	PT:	Date:	System Description: 206' of Existing 25% + New 148 PPBPS		☐ Business	No. Persons: 8	
Pump Make:	Model:	Serial #:	Repair System Description: Horizontal PPBPS		☐ Other	No. Employees: 0	
# Nitrification Fields: 1	# Lines: 4	Linear Ft.: 148	Maintenance Agreement Required: ☐ YES ☑ NO		☐ Slab	☑ Crawl Space	
Trench Width: 36in	Trench Bottom Depth ~~(conv. stdo):~~ 20 in		Gravel Depth: -	☑ GRAVITY ☐ PRESSURE	☐ Basement w/ Plumbing	☐ Basement w/o Plumbing	

Comments / Conditions: Replacement lines ~~Horizontal~~ PPBPS

INITIAL SITE SKETCH

* See attached Manufactur Statements

See attached Site plan

+ Design by Michael Athanas

+ Associates

Approved Nov 17-2022

AS BUILT SKETCH

Installed as drawn.

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 Beck | Date: 11-17-2022

AUTHORIZATION TO CONSTRUCT by: Benjamin Beck | Date: 11-17-2022.

Installed By: Richard Abernathy

OPERATION PERMIT by: Sarah Bracken | Date: 5/26/23

Existing System Inspected By: | Date:

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

Benjamin Botkins

From: gary michaelathanas.com <gary@michaelathanas.com>
Sent: Friday, November 11, 2022 1:41 PM
To: Benjamin Botkins
Subject: FW: T&J Panel Design for 170 Hidden Meadows

See below

Gary McNeely
Michael Athanas & Associates
(704) 310-1832

From: Russ Kelly <rkelly@tjpanel.com>
Sent: Friday, November 11, 2022 12:34 PM
To: gary michaelathanas.com <gary@michaelathanas.com>
Subject: Re: T&J Panel Design for 170 Hidden Meadows

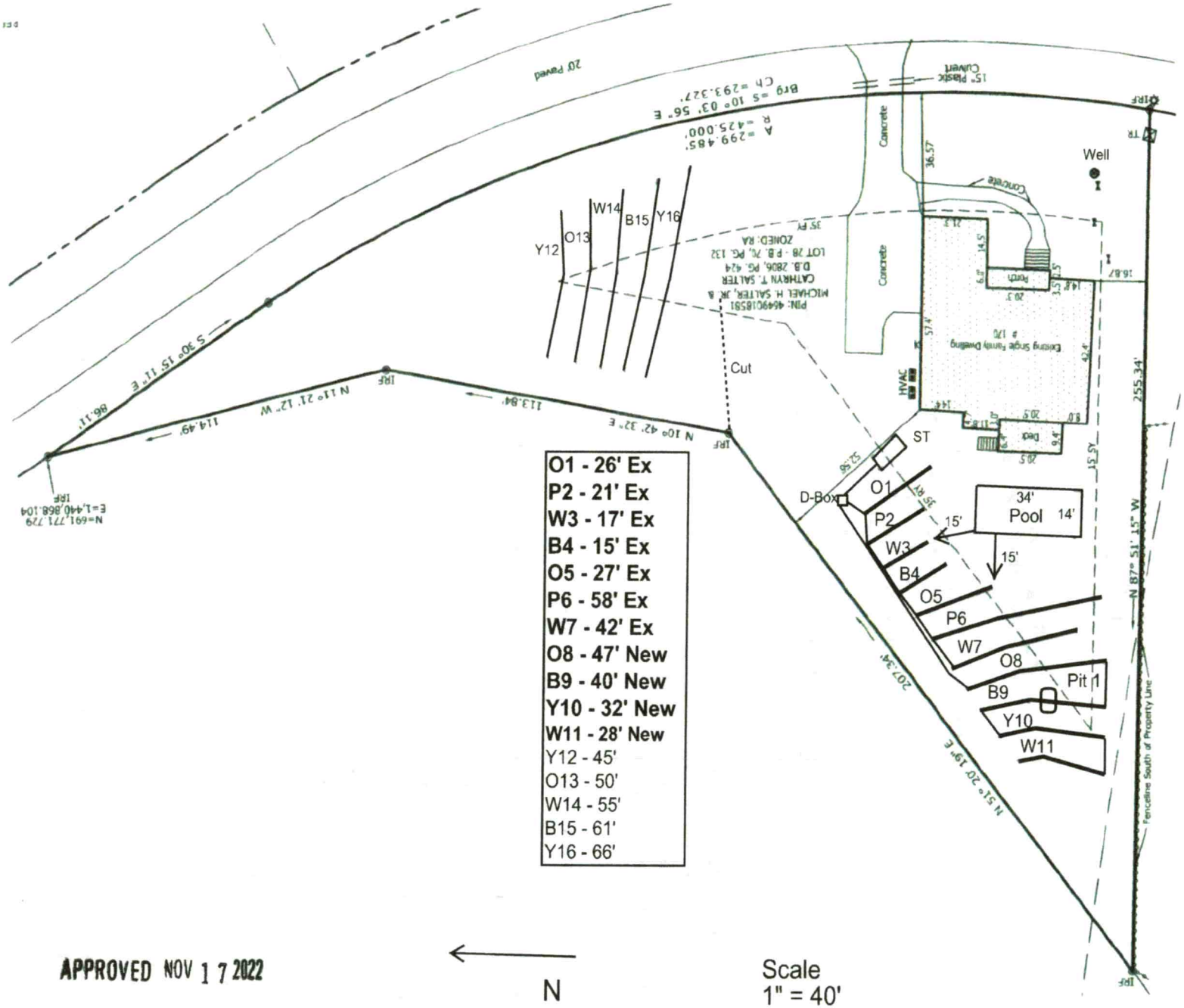
Gary

In reference to the email below:

> **From:** "gary michaelathanas.com" <gary@michaelathanas.com>
> **Date:** November 3, 2022 at 6:39:50 AM PDT
> **To:** "brad tjpanel.com" <brad@tjpanel.com>
> **Subject: Design help**
>
> I have attached a design we submitted to the county. There is an existing chamber system we have to modify for a pool. I am adding Horizontal panels to make up for the loss of chambers. Trying to keep it gravity fed. As you can see, I have 4 unequal lines that I have on serial distribution, but I realize that it is basically a 147' line. If that works for you, I will leave it.
> I have thought of another option. I can set another d-box to divide the flow again. I would connect O8 and W11 (75') and connect B9 and Y10 (72').
> What do you think?
>
> Gary McNeely
> Michael Athanas & Associates
> (704) 310-1832

Given these two options, our recommendation is that you use a distribution box to gravity feed two horizontal panel lines that are 75' and 72'. Both of these lines are comprised of two lines that are serial fed.

Thanks



APPROVED NOV 17 2022



MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
556Walden Trail
Weddington, NC 28173
(704) 576-3887
10/7/2022

Reference: Data Sheet for 170 Hidden Meadows Dr, Hidden Meadows Lot 28
House Footprint: See attached plan
Building Setbacks: 35' front/rear, 15' side
Water Source: Private well
Number of Bedrooms/Daily Flow: 4/480 GPD
Proposed LTAR: 0.275 GPD/FT^2
Proposed System Type: Existing 25% Reduction + Horizontal PPBPS
Proposed Repair System Type: Horizontal PPBPS (ICHD)
Distribution: Gravity-Distribution Box/End cap/Serial
Septic Tank Size: 1000 gallons-existing
Proposed Trench Bottom: 20" new lines

Line	Design Length	Actual Length
Orange 1 Ex	**26'**	**38'**
Pink 2 Ex	**21'**	**54'**
White 3 Ex	**17'**	**74'**
Blue 4 Ex	**15'**	**70'**
Orange 5 Ex	**27'**	**66'**
Pink 6 Ex	**58'**	**58'**
White 7 Ex	**42'**	**42'**
Orange 8 New	**47'**	**47'**
Blue 9 New	**40'**	**40'**
Yellow 10 New	**32'**	**32'**
White 11 New	**28'**	**28'**
Yellow 12		45'
Orange 13		50'
White 14		55'
Blue 15		61'
Yellow 16		66'

Initial System: 206' of Existing 25% Reduction + 148' of New Horizontal PPBPS
Repair System: 277'

Russ Kelly
www.tjpanel.com
704-657-9934

From: gary michaelathanas.com <gary@michaelathanas.com>
Sent: Friday, November 11, 2022 9:20 AM
To: Russ Kelly <rkelly@tjpanel.com>
Subject: RE: T&J Panel Design for 170 Hidden Meadows

Russ
To clarify for Iredell county, we are proposing to use a distribution box to gravity feed two horizontal panel lines that are 75' and 72'. Both of these lines are comprised of two lines that are serial fed. This is the proposed option you are approving, correct?

Gary McNeely
Michael Athanas & Associates
(704) 310-1832

From: Russ Kelly <rkelly@tjpanel.com>
Sent: Thursday, November 3, 2022 12:36 PM
To: gary michaelathanas.com <gary@michaelathanas.com>
Subject: T&J Panel Design for 170 Hidden Meadows

Hey Gary,

After looking over your proposed design, I honestly like the second option. Having two lines fed via another d-box would be our go to, especially considering how close in total line length they are. Please let us know if you have any questions.

Thanks



Russ Kelly

www.tjpanel.com

704-657-9934

CAUTION: This email originated from outside of the organization. Do not click links or open attachments unless you recognize the sender and know the content is safe. Report suspicious emails by clicking the "Report Phish" button.

Comments:

The existing system must be modified for a pool. The O1-O5 must be shortened and new Horizontal PPBPS installed to make up what is lost. A distribution box will split the flow between the existing lines and the new lines. The horizontal PPBPS lines will be fed by serial distribution.

The repair remains in the same area.

PROPERTY ID #: 4649018581
COUNTY: Iredell

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: Michael & Catheryn Salter APPLICATION DATE
ADDRESS: 170 Hidden Meadows Dr. Mooresville, NC 28117 DATE EVALUATED:
PROPOSED FACILITY: 4 BDRM PROPOSED DESIGN FLOW (.1949): 480 GPD PROPERTY SIZE: 0.797 AC
LOCATION OF SITE: 170 Hidden Meadows Dr. Hidden Meadows Lot 28 PROPERTY RECORDED:
WATER SUPPLY: X Private ☐ Public X Well ☐ Spring ☐ Other
EVALUATION METHOD: ☐ 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	
1	LS 8%	0-30	R C SBK	FR SS SP SXP	Mn	58"	N/A	N/A	PS 0.275
		30-40	R C SBK	FR SS SP SXP					
		40-58	R CL WSBK	FR SS SP SXP					
2									
3									
4									

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	444 FT² NEW	831 FT²
System Type(s)	Hor PPBPS	Hor PPBPS
Site LTAR	0.275	0.3 (ICHD)

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

COMMENTS: