POOL 2023-160640

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: 36 in	Trench Bottom Depth ~~(from inlet)~~: 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: [signature] Date: 11-17-2022

AUTHORIZATION TO CONSTRUCT by: [signature] 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

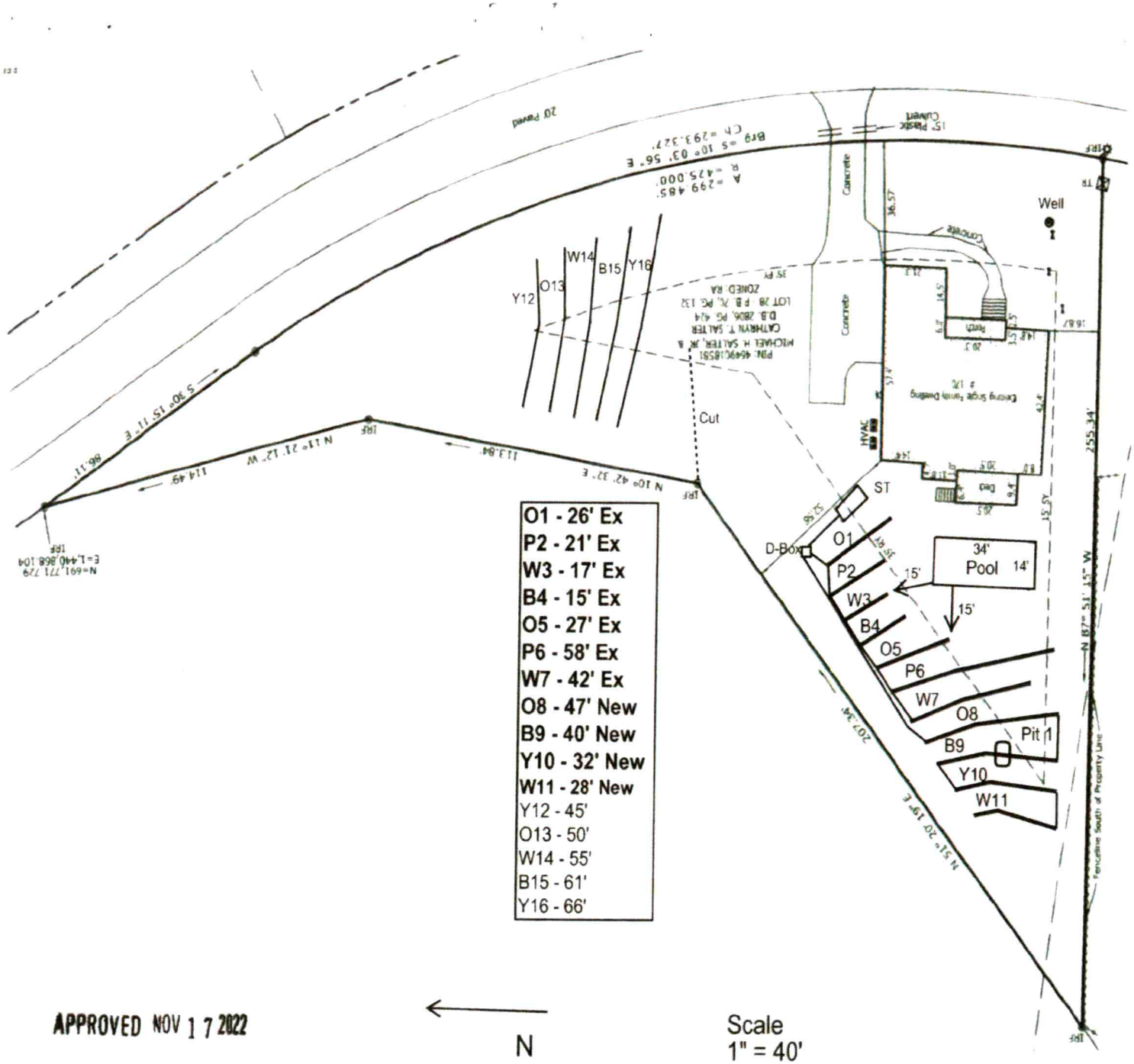
Gary

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

MA&A
SOIL & ENVIRONMENTAL CONSULTANTS

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'

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.

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

Sheet ___ of ___
PROPERTY ID #: _____
COUNTY: Iredell

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

OWNER: Hidden Meadow Ventures — APPLICATION DATE: 6/19/19
ADDRESS: P.O. Box 4628 Mooresville, NC — DATE EVALUATED: 6/28/19
PROPOSED FACILITY: House — PROPOSED DESIGN FLOW (.1949): 480 gpd — PROPERTY SIZE: 1.997 Acres
LOCATION OF SITE: Hidden Meadows Rd — PROPERTY RECORDED: No

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	5%	0-8	Brw SL	wSBK SS, SP, SEXP, FR			-	-	PS .3
		8-22	RCm-L	wSBK SS, SP, SEXP, FR					
		22-55	RCL	Sb SS, SP, SEXP, FR					
					—	55"			
2	10%	0-6	Brw SL	wSBK SS, SP, SEXP, FR			-	-	PS .3
		6-20	RCm-L	wSBK SS, SP, SEXP, FR					
		20-60	RCL	wSBK SS, SP, SEXP, FR					
					—	60"			
3	20%	0-9	Brw SCL	wSBK SS, SP, SEXP, FR			-	-	PS .3
		9-30	RCm-L	wSBK SS, SP, SEXP, FR					
			Vein of Quartz Rock		26-30"	FR			
		30-56	RCL	wSBK SS, SP, SEXP, FR	—	56"			
4	8% 7/16/19 7/22/19	0-8"	Brw SCL	wSBK SS, SP, SEXP, FR			-	-	PS .3 to 34"
		8-30"	RCm-L	wSBK SS, SP, SEXP, FR					
		30-34	RCL	wSBK SS, SP, SEXP, FR					
		Water in Pit @ 30			" —	34"			
		Water in Pit @ 34							

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	PS	PS
System Type(s)	25% Red	50% Red
Site LTAR	.3	.3

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____
EVALUATED BY: Maria Dotson
OTHER(S) PRESENT: _____

COMMENTS:

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 Chrome's e33 Inches
		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 FT^2 NEW	831 FT^2
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:_____

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

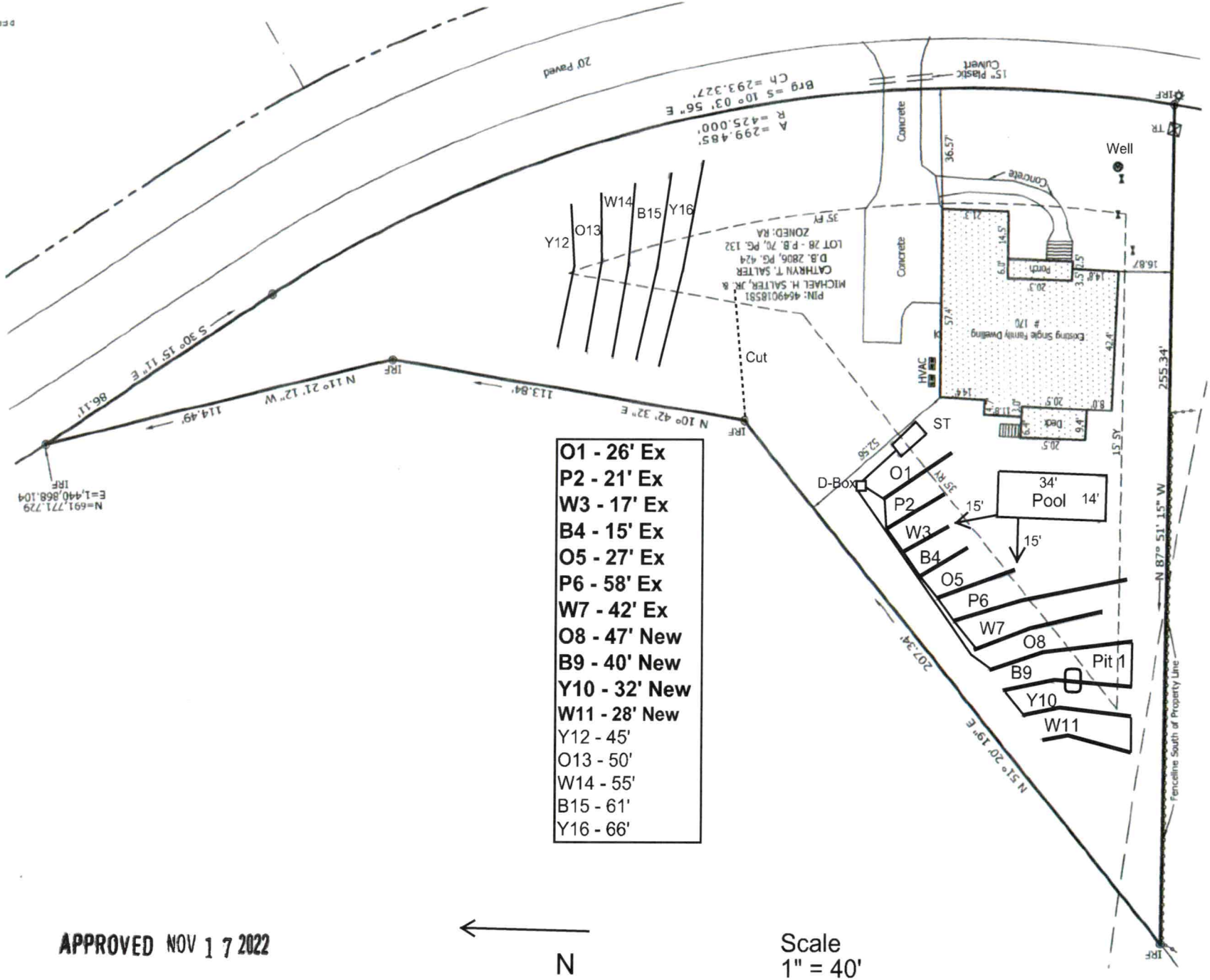


Russ Kelly

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.



O1 - 26' Ex
P2 - 21' Ex
W3 - 17' Ex
B4 - 15' Ex
O5 - 27' Ex
P6 - 58' Ex
W7 - 42' Ex
O8 - 47' New
B9 - 40' New
Y10 - 32' New
W11 - 28' New
Y12 - 45'
O13 - 50'
W14 - 55'
B15 - 61'
Y16 - 66'

APPROVED NOV 17 2022

N

Scale
1" = 40'

PERMIT SNAPSHOT REPORT OSWP-2022-7001 FOR IREDELL COUNTY

Permit Type:	Environmental Health OSWP	**Project:**		**App Date:**	10/13/2022
Work Class:	EH Septic Relocation Improvement Permit	**District:**	Iredell County	**Exp Date:**	NOT AVAILABLE
Status:	Zoning Approved	**Square Feet:**	0.00	**Completed:**	NOT COMPLETED
Valuation:	$0.00	**Assigned To:**	Botkins, Ben	**Approval Expire Date:**	
Description:	NEED ZONING & FEES PD - EXPEDIATED REVIEW Adjusting system for pool				

Parcel:	4649018581.000 Main	**Address:**	170 Hidden Meadows Dr Mooresville, NC 28117 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
MICHAEL H JR+CATHRYN T SALTER

Permit Custom Fields

How is your site plan being submitted	Survey Plat	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	Swimming Pool
If other Addition/Structure, please explain		Maximum Number of Bedrooms	4	Number of Occupants	8
Foundation Type	Crawl Space Foundation	Residential/Business/Other	Residential	Number of Employees	0
Total number of seats	0	Water Supply	Existing Well	Desired Septic System Type	Modified Conventional
If other septic system type, please explain		If existing, Year existing system installed	2021	Lot Acreage	0.797
Back Setback	10	Left Setback	10	Right Setback	10
Zoning Permit Issued Date	Oct 17 2022 12:00AM	Zoning Permit Expiration Date	Apr 15 2023 12:00AM	Is the structure or development in the floodplain	No
Is the property located downtown?	No	Is the property in a local historic district?	No	Additional Unique Setbacks Apply	No
Zoning Notes/Addendums	Swimming Pool: Must meet requirement R22 of the LDC. Pools shall be located to comply with minimum setbacks for accessory structures- located behind front building line of house, 10' from side & rear property line. Lake lots must meet the 50' setback from the 760 contour line AND the 35' setback from the rear property line. Pools that are not an integral part of the principal building shall be located at least the minimum distance from the principal building necessary to comply with N.C. Building Code. Setback from house could be +/-10'. Fenced with a minimum 4' in height, and equipped with self-closing and positive self-latching gate provided with hardware for permanent locking. Fence not		required for above ground pools if they are at least 4' in height, the ladder removed, or when NOT in use have a gate to the ladder as described above.	Watershed	WSIV PA CATAWBA/LAKE NORMAN

PERMIT SNAPSHOT REPORT (OSWP-2022-7001)

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Gary_McNeely_10/13/2022.jpg	10/13/2022 16:28	McNeely, Gary		Uploaded via CSS
170 Hidden Meadows AF_v1.jpeg	10/17/2022 8:50	Nebel, Barbara	Available Online	Authorize to Act as Agent
170 hidden meadows FT_v1.pdf	10/17/2022 8:50	Nebel, Barbara	Available Online	Additional Supporting Information
170 Hidden Meadows Soil_v1.doc	10/17/2022 8:50	Nebel, Barbara	Available Online	Additional Supporting Information
170 Hidden Meadows_v1.docx	10/17/2022 8:50	Nebel, Barbara	Available Online	Additional Supporting Information
170 Hidden Meadows_v1.pdf	10/17/2022 8:50	Nebel, Barbara	Available Online	Site Plan

Invoice No.	Fee		Fee Amount	Amount Paid
INV-00003722	Iredell Zoning Permit Fee		$75.00	$75.00
	Iredell Zoning Tech Fee		$2.25	$2.25
		Total for Invoice INV-00003722	$77.25	$77.25
INV-00003801	New Gravity System		$350.00	$350.00
		Total for Invoice INV-00003801	$350.00	$350.00
		Grand Total for Permit	**$427.25**	**$427.25**

Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		10/17/2022 0:00	10/17/2022 8:51
Confirm application complete v.1	Generic Action		10/17/2022 8:51
Fees v.1		10/17/2022 0:00	10/24/2022 16:33
Issue Invoice v.1	Generic Action		10/17/2022 8:51
Fees Paid v.1	Generic Action		10/24/2022 16:33
Zoning Review v.1		10/17/2022 0:00	11/01/2022 11:18
Iredell County Zoning Approval v.1	Task	10/17/2022 0:00	11/01/2022 11:18
Issue Invoice v.1	Generic Action		10/17/2022 9:30
Fees Paid v.1	Generic Action		10/24/2022 16:33
Lot Readiness Verification v.1			
OSWP Septic Preliminary Site Visit v.1	Inspection		
OSWP Site Evaluation v.1	Inspection		
Issue Improvement Permit v.1			
Issue Invoice v.1	Generic Action		
Fees Paid v.1	Generic Action		
Issue Permit v.1	Generic Action		
Permit Completion Process v.1			
Authorization to Construct Permit v.1	Create Sub Permit		
Issue Authorization to Construct v.1	Generic Action		

ICHD–ENVIRONMENTAL HEALTH DIVISION

Lakemist Homes

Statesville Office (704) 878-5305 | Mooresville Office (704) 660-3625 | PERMIT #: 245796

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

PIN # 4649018581.000

APPLICANT/OWNER: Hidden Meadows Ventures | APPLICANT ADDRESS: P.O. Box 4628 Mooresville, NC 28117

SITE ADDRESS: 170 Hidden Meadows Dr. Mooresville, NC | PHONE: 919606-5852 | ALT. PHONE

SITE DIRECTIONS: Hwy 150 W TR Perth Rd TR Hidden Meadows Dr. right after Rocky Mt. Church | SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Hidden Meadows | SECTION: | LOT # 28 | LOT AREA: .797Ac | DESIGN FLOW: 480gpd | L.T.A.R.: .3

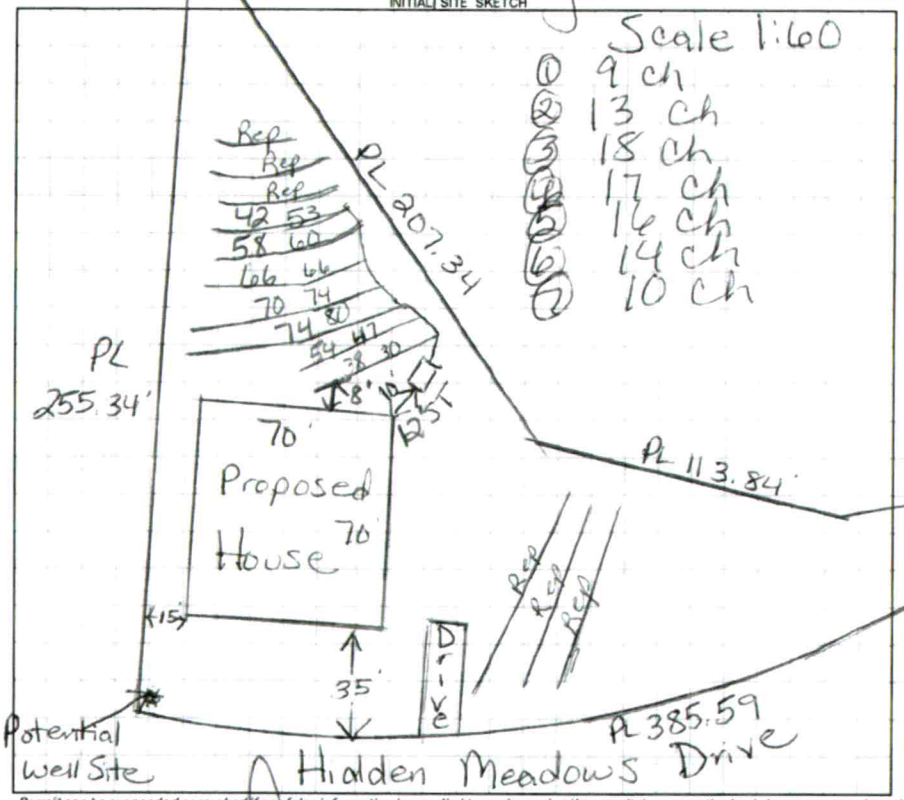
Septic Tank	1000 (gal)	STB	760	Date	11-18-20	☒ New System ☐ Repair ☐ Expansion	System Type: I II III IV V VI	☒ Residence	No. Bedrooms 4
Pump Tank	— (gal)	PT	—	Date	—	System Description:	Gravity - 25% Reduction	☐ Business	No. Persons 8
Pump Make	—	Model	—	Serial #	—	Repair System Description:	Hort LPPPBPS w/ Cover	☐ Other	No. Employees
# Nitrification Fields	1	# Lines	7	Linear Ft	Min 400 Ft	Maintenance Agreement Required:	☐ YES ☒ NO	☐ Slab	☒ Crawl Space
Trench Width	36"	Trench Bottom Depth(Low side)	36" Initial MAX 18" Repair	Gravel Depth	N/A	☒ GRAVITY	☐ PRESSURE	☐ Basement w/ plumbing	☐ Basement w/o plumbing

Water Supply: ☒ Private ☐ Public ☐ Community

Comments / Conditions: Divert Storm/surface water away from Septic System.

ST 12Ft from house
Upper drain line 8Ft from deck

INITIAL SITE SKETCH



AS BUILT SKETCH

Lot must be recorded prior to issuance of AC

New PIN needed

IMPROVEMENT PERMIT ONLY---

DO NOT ISSUE BUILDING PERMIT!

FLOOR PLAN STILL NEEDED!

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**

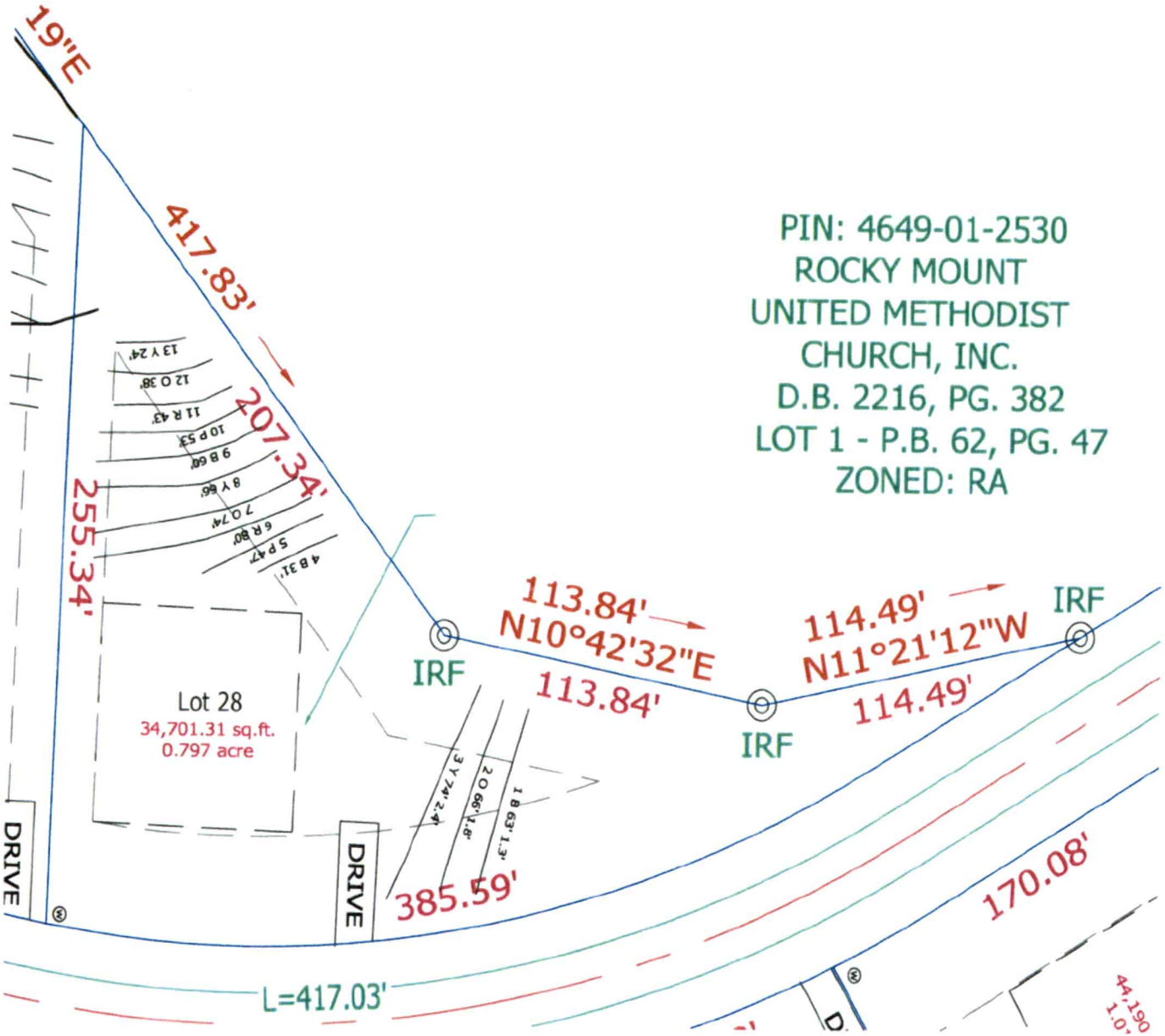
☐ **IMPROVEMENT PERMIT** *with plat valid without expiration.* ☒ **IMPROVEMENT PERMIT** *with site plan valid for 60 mos.* ☒ **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: [signature] Date: 9/14/20 Installed by: Neil Stutts

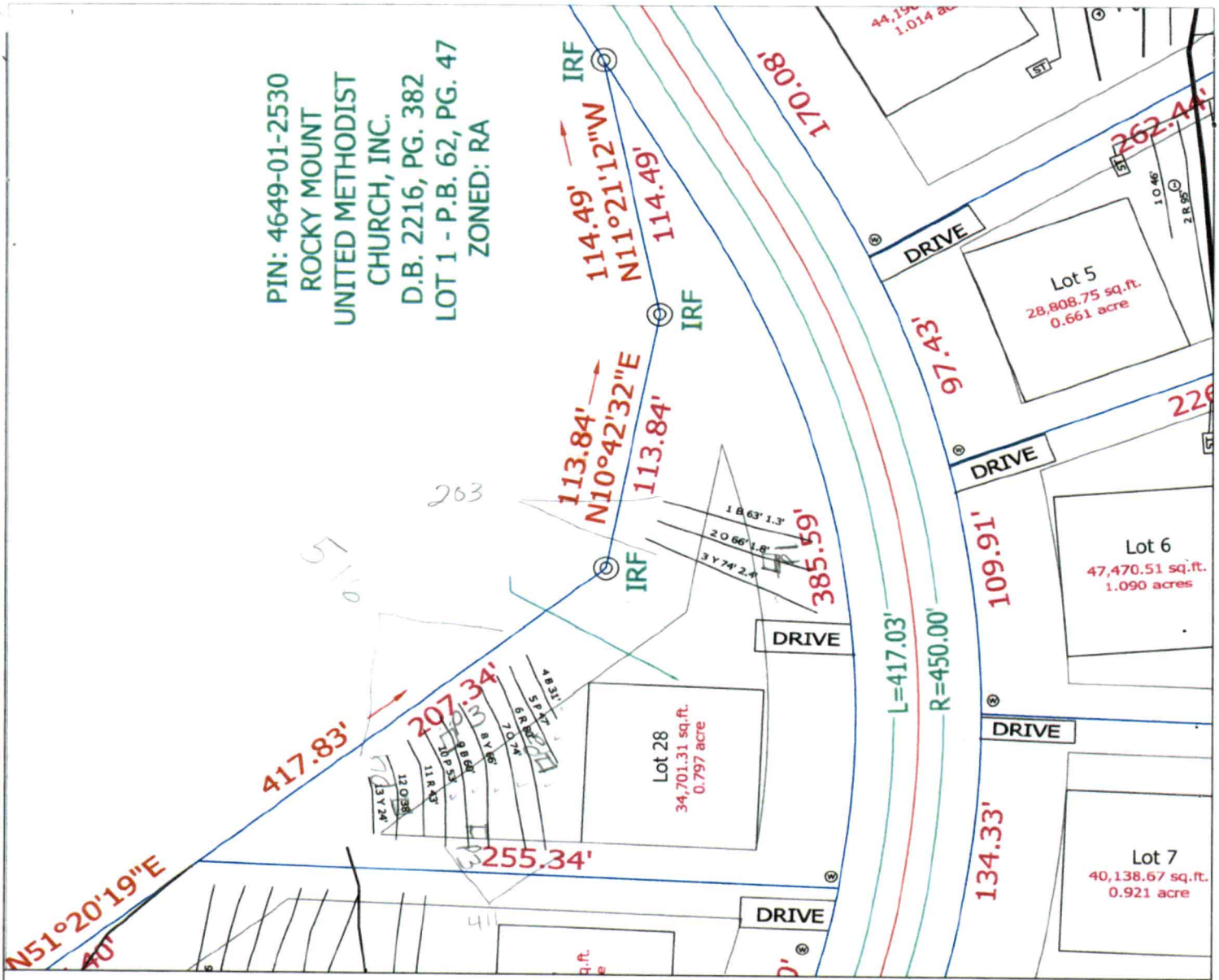
IMPROVEMENT PERMIT by: [signature] Date: 7/23/19 OPERATION PERMIT by: Maria Dotson Date: 2/3/2021

AUTHORIZATION TO CONSTRUCT by: [signature] Date: 9/11/20 Existing System Inspected by: Date:

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


19"E
417.83'
207.34'
255.34'
PIN: 4649-01-2530
ROCKY MOUNT
UNITED METHODIST
CHURCH, INC.
D.B. 2216, PG. 382
LOT 1 - P.B. 62, PG. 47
ZONED: RA
Lot 28
34,701.31 sq.ft.
0.797 acre
113.84'
N10°42'32"E
113.84'
114.49'
N11°21'12"W
114.49'
IRF
IRF
IRF
DRIVE
DRIVE
385.59'
170.08'
L=417.03'

1" = 50' Scale



LEGEND

Areas contain soils with 24 inches or more of useable material and have potential for conventional, modified conventional and low-pressure pipe (lpp) septic systems.

House Footprint (70'X70'); Staked by Surveyor

System lines.

Repair lines.

Temporary Bench Mark (TBM) or House Elev.

(W) Well Location. (25) Pit/Boring Location.

pit full of water

GRAPHIC SCALE
1" = 60'

60 0 60 120

FOR PRELIMINARY PLANNING PURPOSES ONLY. ALL LOTS WILL REQUIRE FINAL APPROVAL BY THE COUNTY HEALTH DEPARTMENT ON A LOT BY LOT BASIS. THIS MAP SHOULD BE USED AS A GENERAL GUIDE. SOME ADJUSTMENTS WILL BE NECESSARY IN THE FIELD DUE TO SOIL VARIABILITY AND COMPLEX TOPOGRAPHIC FEATURES. THIS MAP ONLY REFLECTS EXISTING SOIL SUITABILITY FOR ON-SITE SEPTIC TANK SYSTEMS.

PLEASE REFER TO ATTACHED SOIL REPORT FOR ADDITIONAL SITE SPECIFIC INFORMATION

SOIL & FORESTRY SERVICES OF THE CAROLINAS, PA.
P.O. BOX 832
MOORESVILLE, NC 28115
PHONE/FAX: (704) 278-0689
ASHLEY ROLLANS, NC LICENSED SOIL SCIENTIST
MOBILE (704) 746-5046
EMAIL: ashleyrollans@gmail.com

MAP TITLE: SITE PLAN & DRAINFIELD AREAS

PROJECT NAME: RICHARD DENZLER / HIDDEN MEADOWS SUBDIVISION

LOCATION/DATE: PERTH ROAD - HIDDEN MEADOWS IREDELL COUNTY, NORTH CAROLINA FEBRUARY 2019

JOB #: 18-0108
FILE: C:\JOBS\18-0108
PROJECT MGR.: S.A.R.
FIELD WORK: S.A.R.
DRAWN BY: S.A.R.