BLDR - 2023 - 20921

ICHD - ENVIRONMENTAL HEALTH DIVISION

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

PERMIT # OSWP-2023-18039

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

PIN # 4648-42-2434 ✓

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

SITE ADDRESS: 128 HUNTS LANDING DR, MOORESVILLE, NC 28117 ✓ | PHONE: 7043101832 | ALT. PHONE:

SITE DIRECTIONS: W NC 150 -> R Bluefield -> L Big Indian Loop -> L Hunts Landing -> lot on L | SAP CONTROLLED: YES ☐ NO ☑

SUBDIVISION: Hunts Landing ✓ | SECTION: N/A | LOT #: 10 ✓ | LOT AREA: 0.69 | DESIGN FLOW: 480 | L.T.A.R.: 0.25

Septic Tank: 1000 (gal)	STB: 760	Date:	☑ New System ☐ Repair ☐ Expansion	System Type: IV	☑ Residence	No. Bedrooms: 4	Water Supply: New Well
Pump Tank: 1000 (gal)	PT: 363	Date:	System Description: LPHPPBPS		☐ Business	No. Persons: 8	
Pump Make:	Model:	Serial #:	Repair System Description: LPPBPS		☐ Other	No. Employees:	
# Nitrification Fields: 1	# Lines: 6	Linear Ft.: 321'	Maintenance Agreement Required: ☑ YES ☐ NO		☐ Slab	☐ Crawl Space	
Trench Width: 36	Trench Bottom Depth (Low side): 20		Gravel Depth: 0	☐ GRAVITY ☑ PRESSURE	☑ Basement w/ Plumbing	☐ Basement w/o Plumbing	

Comments / Conditions: Do not pave, grade, drive, park, or bury utilities in drainfield area. Divert any drainage from system, install on contour. Follow all plan specifications as directed in documents from MA&A

INITIAL SITE SKETCH

See attached site plan & design by Michael Athanas, & Assoc.

AS BUILT SKETCH

Easement: 3018, 1239 & attached plat 80, 82

Tanks } SH
Lines } 1123124

Pool not marked at time of installation

See attached site plan for As-Built, approved by MA&A

PRESSURE SET
FLOATS
MANIFOLD SW 2/12/24
PUMP RUN
ALARM

Electrical 2/19/24 DW
Maintenance 2/20/24

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.Imebey Date: 3/16/23

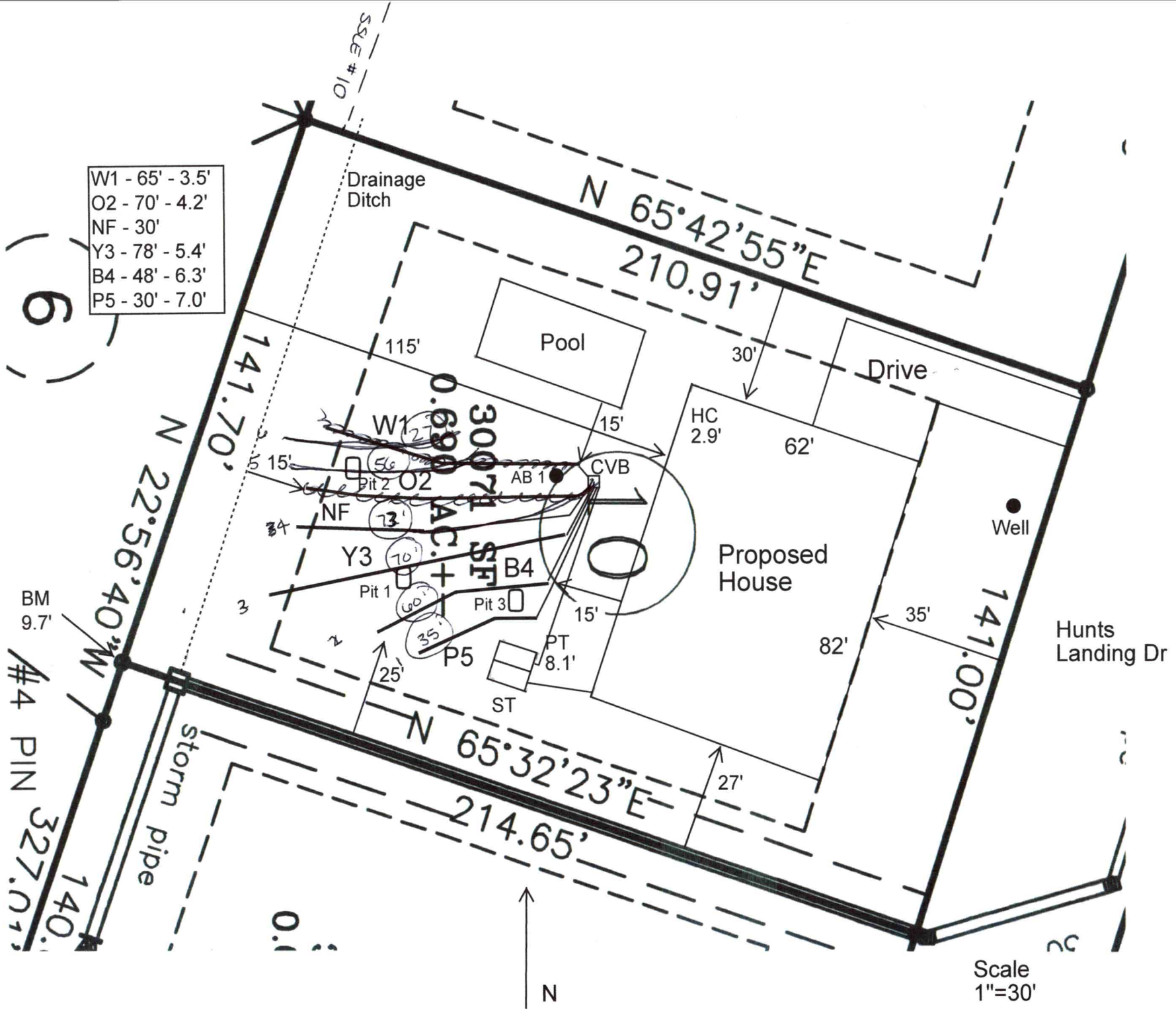
AUTHORIZATION TO CONSTRUCT by: D.Imebey Date: 3/30/23

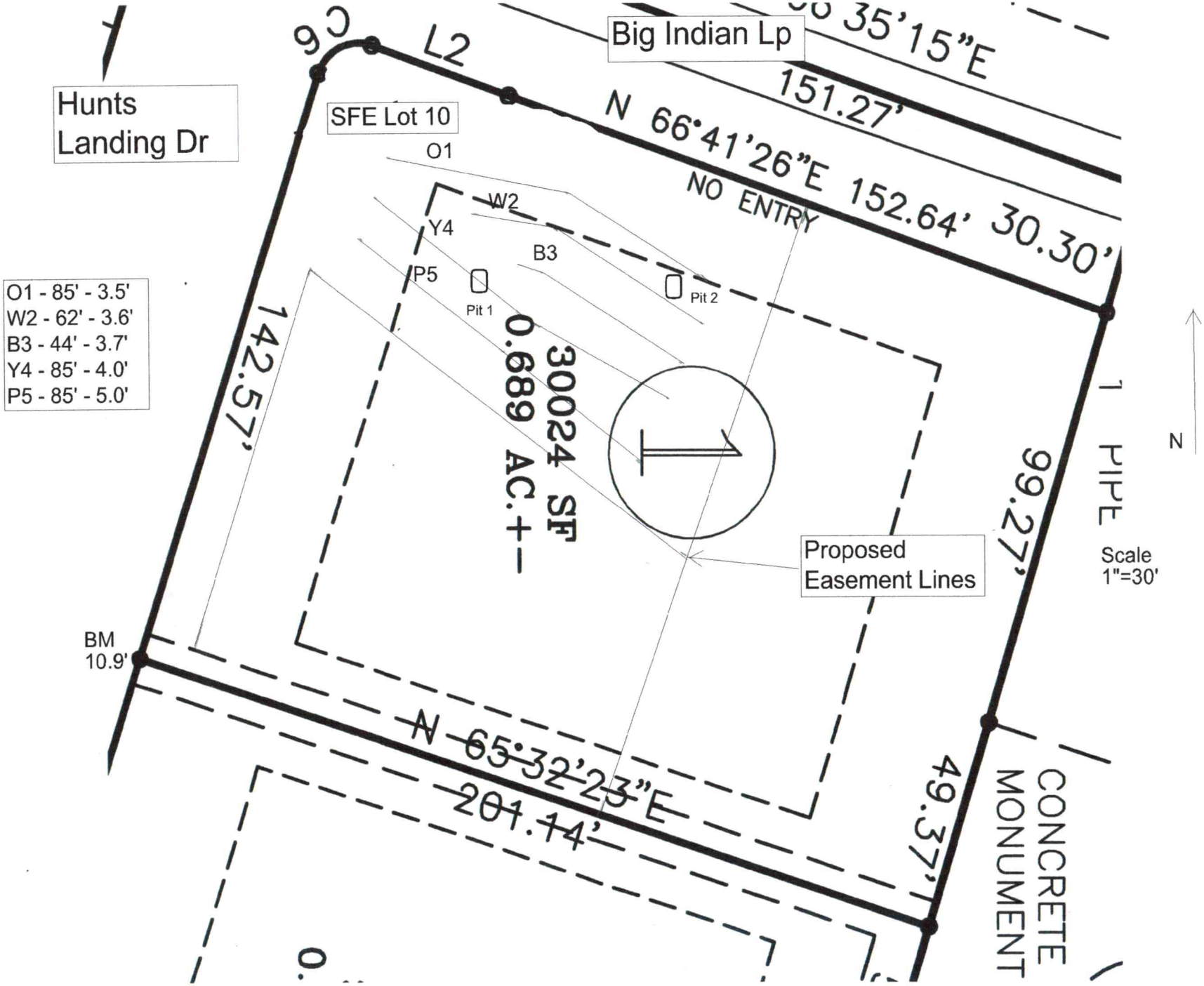
Installed By: Richard Abernathy

OPERATION PERMIT by: D.Imebey Date: 2/20/24

Existing System Inspected By: _____ Date: _____

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


W1 - 65' - 3.5'
O2 - 70' - 4.2'
NF - 30'
Y3 - 78' - 5.4'
B4 - 48' - 6.3'
P5 - 30' - 7.0'
Drainage Ditch
N 65°42'55"E
210.91'
Pool
115'
30'
Drive
141.70'
N 22°56'40"W
0.69 AC.±
30078 SF
W1
O2
NF
Y3
B4
P5
Pit 1
Pit 2
Pit 3
AB 1
CVB
15'
HC 2.9'
62'
Proposed House
Well
82'
35'
141.00'
Hunts Landing Dr
BM 9.7'
#4 PIN
327.07'
140.
Storm pipe
N 65°32'23"E
214.65'
PT 8.1'
ST
25'
27'
Scale 1"=30'
N


Hunts Landing Dr
SFE Lot 10
Big Indian Lp
C6
L2
N 66°41'26"E 152.64'
30.30'
151.27'
35'15"E
NO ENTRY
O1
W2
Y4
B3
P5
Pit 1
Pit 2
O1 - 85' - 3.5'
W2 - 62' - 3.6'
B3 - 44' - 3.7'
Y4 - 85' - 4.0'
P5 - 85' - 5.0'
142.57'
30024 SF
0.689 AC.+-
99.27'
1 PIPE
N
Proposed Easement Lines
Scale 1"=30'
BM 10.9'
N 65°32'23"E
201.14'
49.37'
CONCRETE MONUMENT



MICHAEL ATHANAS & ASSOCIATES
LICENSED SOIL SCIENTIST
556 Walden Trail
Weddington, NC 28173
(704) 576-3887
3/3/2023

Reference: Data Sheet for 128 Hunts Landing Dr, Hunts Landing Lot 10
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: 0.25 GPD/FT^2
Proposed System Type: Horizontal PPBPS (8' on Center)
Proposed Repair System Type: PPBPS - Offsite
Distribution: Low Pressure-CVB
Flow per Orifice: 0.41 GPM
Orifice Size: 5/32"
System Flow: 30.3 GPM
Dosing Volume: 266.4 gallons
Pump Run Time: 8.8 minutes
Elevation Head: 9.6'
Friction Head: 0.9'
Pressure Head: 2'
Total Dynamic Head: 12.5'
Supply Line Length: 50' of 2" PVC
Septic/Pump Tank Size: 1000/1000 gallons
Proposed Trench Bottom: 20" (Initial), 36" (Repair)



Line	Design Length	# of Panels	Actual Length	Elevation
White 1	65'	15	68'	3.5'
Orange 2	70'	16	74'	4.2'
Not Flagged	30'	7		
Yellow 3	78'	18	82'	5.4'
Blue 4	48'	11	48'	6.3'
Pink 5	30'	7	33'	7.0'

Initial System: 321'
Pump Tank: 8.1'
Benchmark: 9.7'
Repair System: 361'
House Corner: 2.9'

Septic Field Easement

Line	Actual Length	Elevation
Orange 1	85'	3.5'
White 2	62'	3.6'
Blue 3	44'	3.7'
Yellow 4	85'	4.0'
Pink 5	85'	5.0'
Benchmark		10.9'

Comments:

SOIL/SITE EVALUATION
for ON-SITE WASTEWATER SYSTEM

OWNER: JBR Custom Homes _____ APPLICATION DATE _____
ADDRESS: 147 Castle Dr, Mooresville, NC 28117 _____ DATE EVALUATED: 4/2022
PROPOSED FACILITY: 4 BDRM _____ PROPOSED DESIGN FLOW (.1949): 480 GPD _____ PROPERTY SIZE: 0.690 AC
LOCATION OF SITE: 128 Hunt's Landing Dr, Hunt's Landing Lot 10 _____ 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) .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
PIT 1	LS 10%	0-24	R C ABK/SBK	FR SS SP SXP	Com Lithochromic Colors	60"	N/A	N/A	PS ~~0.3~~ 0.275 .25
		24-60	R CL WSBK	FR SS SP SXP					
					YB around Litho inclusions throughout				
PIT 2	LS 6%	0-28 ~~35~~	R C SBK	FR SS SP SXP	N/A	70"	F-C SAP	N/A	PS ~~0.3~~ .275
		~~35~~ 28-70+	R CL WSBK	FR SS SP SXP					
					Litho Common, Some Chroma 3's around rocks				
PIT 3	LS 10%	0-20	R C ABK	FR SS SP SXP		48"	N/A	N/A	PS ~~0.275~~ 0.3 TO 45" .25
		20-45	R CL WSBK	FR SS SP SXP					
		45-65	YBr CL WSBK	FR SS SP SXP	CHR 2 @ 48""				
AB 1	LS 6%	0-28	R C SBK	FR SS SP SXP	N/A	56"	N/A	N/A	PS 0.3
		28-56	R CL WSBK	FR SS SP SXP					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.1945)	~~582 FT²~~ 722FT²	722 FT²
System Type(s)	PPBPS	PPBPS
Site LTAR	~~0.275~~ 0.275	0.25

OTHER FACTORS (.1946): _____
SITE CLASSIFICATION (.1948): _____PS_____
EVALUATED BY: _____MA&A_____
OTHER(S) PRESENT: _____ HPPBS

COMMENTS: _____

SOIL/SITE EVALUATION

(Continuation Sheet)

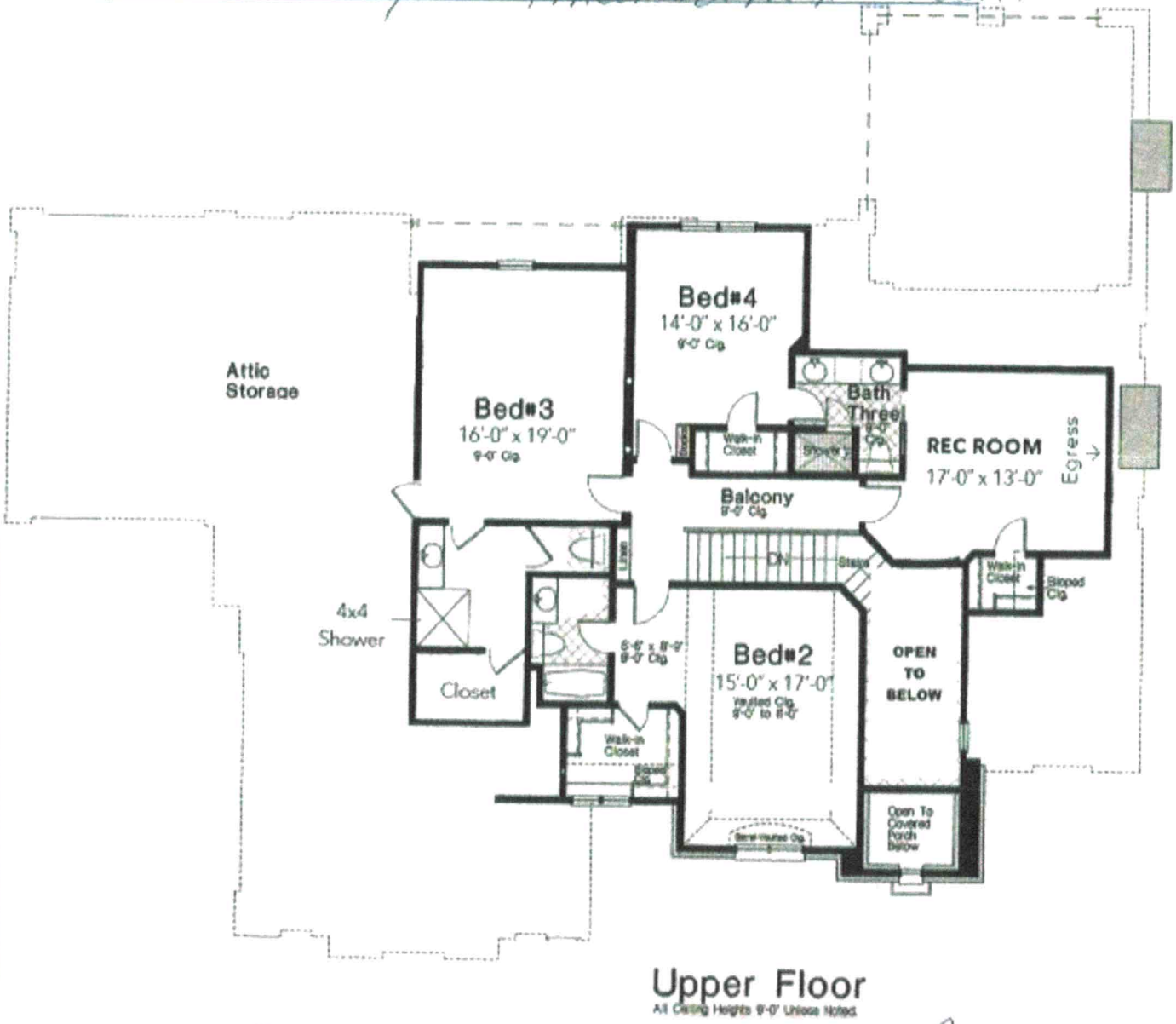
PROPERTY ID #: 4648422434_____
DATE OF EVALUATION: ______________
COUNTY: __IREDELL___

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) .1941 STRUCTURE/ TEXTURE	.1941 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
PIT 1	SFE LS 5%	0-28 30	R C ABK	FR SS SP SXP	Few YB/Litho YB to 30"	51'	N/A	N/A	PS 0.25
		30 28-51	R CL WSBK	FR SS SP SXP					
PIT 2	SFE LS 2%	0-20	R C ABK	FR SS SP SXP	Few YB	51"	N/A	N/A	PS 0.25
		20-51	R CL WSBK	FR SS SP SXP					
			0-12 CABK/PL						

COMMENTS:____

Lot #10 - Parcel # 4648422434.000

#128 Hunts Landing Dr., Mooresville, N.C 28117



Upper Floor

All Ceiling Heights 9'-0' Unless Noted

Acknowledgement Of Plans Submittal ONLY!

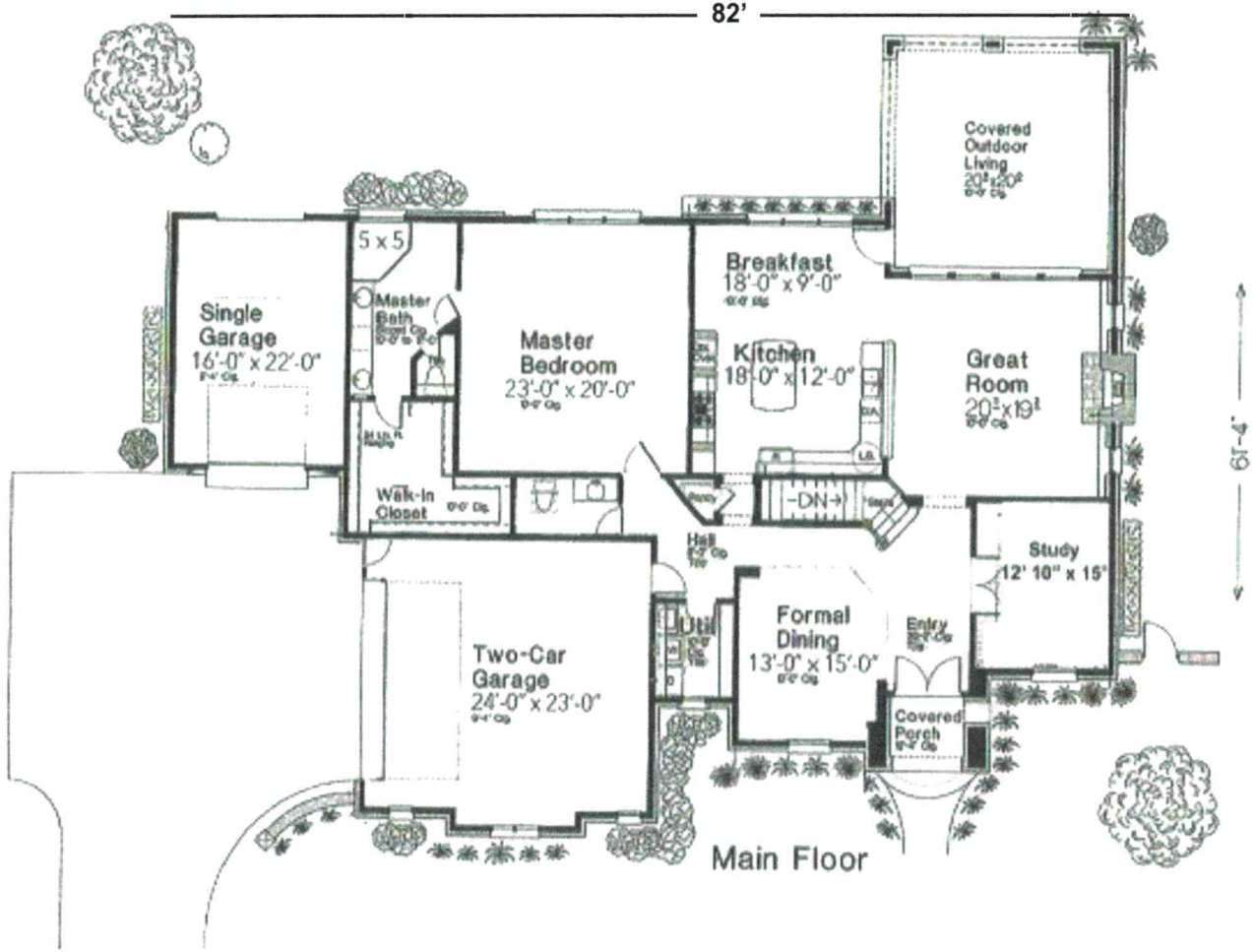
Date 3/30/23

Date

Reverse Driveway on Right

Lot #10 - Parcel # 4648422434.000

128 Hunts Landing Dr., Mooresville, N.C. 28117



Acknowledgement Of Plans Submittal ONLY!

Date 3/30/23

Date

Reverse - Driveway on Right

Shallow to 20" HPPBPS

PERMIT SNAPSHOT REPORT OSWP-2023-18039 FOR IREDELL COUNTY

Permit Type:	Environmental Health OSWP	**Project:**		**App Date:**	03/03/2023
Work Class:	EH Septic Improvement Permit	**District:**	Iredell County	**Exp Date:**	NOT AVAILABLE
Status:	PRIORITY PERMIT	**Square Feet:**	0.00	**Completed:**	NOT COMPLETED
Valuation:	$0.00	**Assigned To:**	Wieberg, Danielle	**Approval Expire Date:**	
Description:	Exp Review				

Parcel: 4648422434.000 Main	**Address:** 128 Hunts Landing Dr Mooresville, NC 28117 Main	**Zone:** RA(Residential Agricultural District)

Applicant/Authorized Agent	Property Owner
Michael Athanas & Associates	JBR CONSTRUCTION LLC
Gary McNeely	135 Hunts Landing Dr PO BOX
2630 Statesville Blvd	5289
Salisbury, NC 28147	MOORESVILLE, NC 28117
Mobile: (704) 310-1832	Business: (704) 661-8814

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	New Single Family Residence
If other Addition/Structure, please explain		Maximum Number of Bedrooms	4	Number of Occupants	8
Foundation Type	Basement with Plumbing	Water Supply	New Well	Desired Septic System Type	Modified Conventional
If other septic system type, please explain		Lot Acreage	0.69	Front Setback	35
Back Setback	35	Left Setback	15	Right Setback	15
Zoning Permit Issued Date	Mar 6 2023 12:00AM	Zoning Permit Expiration Date	Sep 2 2023 12:00AM	Is the structure or development in the floodplain	No
Is the property in a local historic district?	No	Is the property located downtown?	No	Additional Unique Setbacks Apply	No
Watershed	WSIV CA CATAWBA/LAKE NORMAN				

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Gary_McNeely_3/4/2023.jpg	03/03/2023 20:48	McNeely, Gary		Uploaded via CSS
FT Check List_v1.pdf	03/06/2023 8:19	Nebel, Barbara	Available Online	Additional Supporting Information
Hunts Landing 10 AF_v1.pdf	03/06/2023 8:19	Nebel, Barbara	Available Online	Authorize to Act as Agent
Hunts Landing 10 SFE_v1.pdf	03/06/2023 8:19	Nebel, Barbara	Available Online	Additional Supporting Information
HUNTS LANDING 10 SOIL_v1.doc	03/06/2023 8:19	Nebel, Barbara	Available Online	Additional Supporting Information
Hunts landing 10_v1.docx	03/06/2023 8:19	Nebel, Barbara	Available Online	Additional Supporting Information
Hunts Landing 10_v1.pdf	03/06/2023 8:19	Nebel, Barbara	Available Online	Site Plan

Note	Created By	Date and Time Created
1. THE ECHECK PAYMENT IN THE ONLINE BATCH 2023030705 DID NOT COME THROUGH THE SYSTEM. CONFIRMATION #DVYD6F4ML3. I DID A MANUAL PAYMENT	Amanda Horton	03/08/2023 8:39

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00010162	Iredell Zoning Permit Fee	$75.00	$75.00
	New Gravity System	$850.00	$850.00
	Iredell Zoning Tech Fee	$2.25	$2.25
	Total for Invoice INV-00010162	$927.25	$927.25