ICHD - ENVIRONMENTAL HEALTH DIVISION

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

NW BLDR-2023-1517D

PERMIT # 2023-23488

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

PIN # 4762 -- 22 -- 5980

APPLICANT/OWNER: Richard Swartz APPLICANT ADDRESS: 259 M and M Farms Dr, Mooresville

SITE ADDRESS: 762 Bethesda Rd, Statesville 28677 PHONE: 704-682-9702 ALT. PHONE

SITE DIRECTIONS: Hwy 70 - Bethesda SAP CONTROLLED: ☐ YES ☒ NO

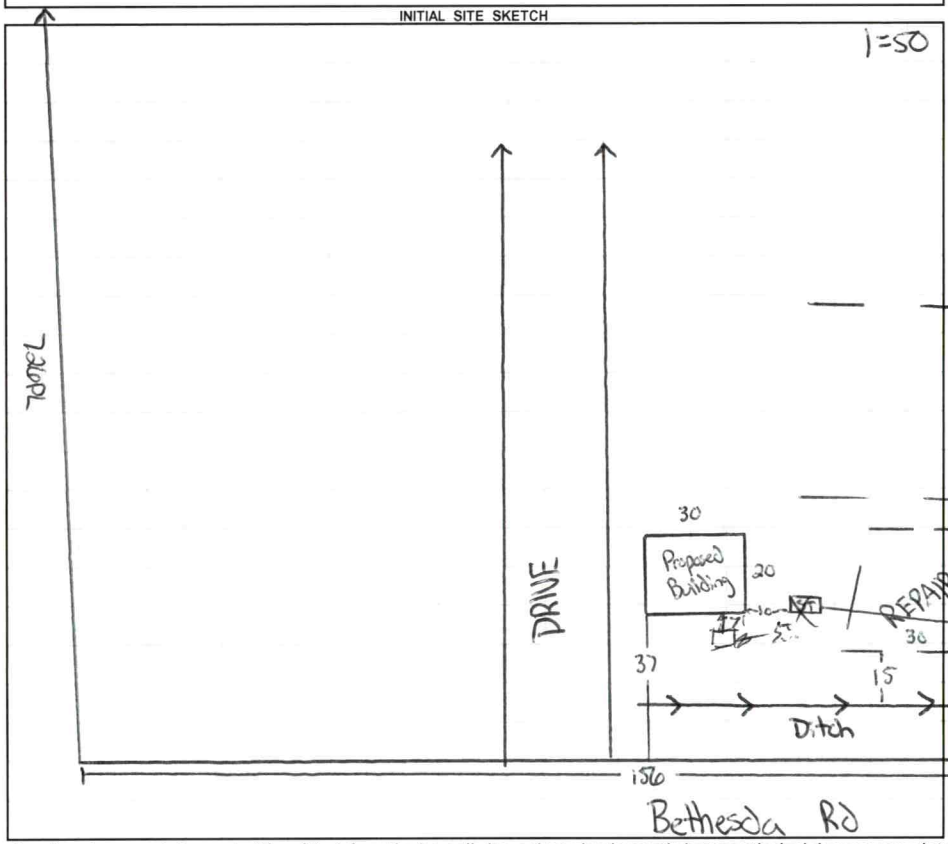
SUBDIVISION: - SECTION: - LOT # - LOT AREA: 67.9 acres DESIGN FLOW: 100 gpd L.T.A.R.: 0.3

Septic Tank	1000 (gal)	STB	760	Date	9-13-2023	☒ New System ☐ Repair ☐ Expansion	System Type: I II (III) IV V VI	☐ Residence	No. Bedrooms
Pump Tank	(gal)	PT		Date		System Description:	25% reduction	☒ Business	No. Persons
Pump Make		Model		Serial #		Repair System Description:	25% reduction	☐ Other	No. Employees 4
# Nitrification Fields	1	# Lines	3	Linear Ft	78'	Maintenance Agreement Required:	☐ YES ☒ NO	☒ Slab	☐ Crawl Space
Trench Width	36 in	Trench Bottom Depth(Low side)	33 in	Gravel Depth	-		☒ GRAVITY ☐ PRESSURE	☐ Basement w/plumbing	☐ Basement w/o plumbing

Water Supply: ☐ Private ☒ Public ☐ Community

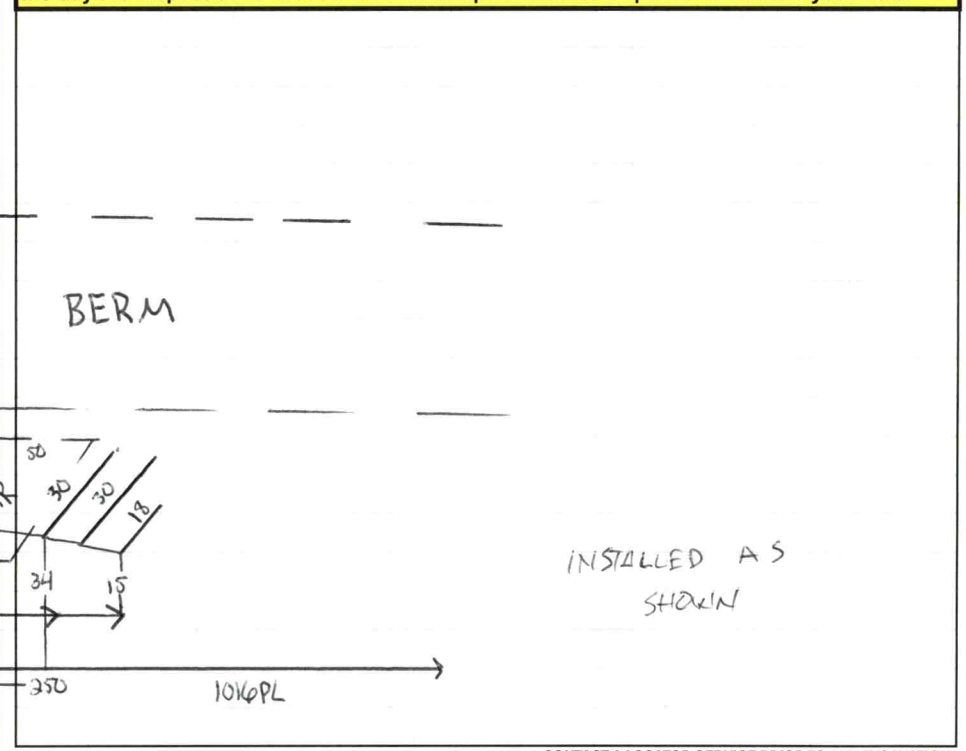
Comments / Conditions: Install on contour with the land. Do not grade, park, or drive on septic area.

INITIAL SITE SKETCH



AS BUILT SKETCH

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



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: Online Signature Date:

IMPROVEMENT PERMIT by: Cary Hill Date: 5/24/23

AUTHORIZATION TO CONSTRUCT by: Cary Hill Date: 5/24/23

Installed by: MCDANIELS GRADING

OPERATION PERMIT by: Bryant C. White Date: 11-1-2023

Existing System Inspected by: Date:

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

Item	Date	Initials
Drain Lines Checked		
Tanks Checked		
Pressure Manifold or Valve Box Checked		
Pressure Head Set		
Electrical Checked		
Floats Set		
Alarm Checked		
Maintenance Contract Needed? Y / N		
Comments:		

Repairs Only	
	State Code
Failing System Code	
Type of Distribution	G or P
Type of Failure/Malfunction	
Primary Cause of Failure/Malfunction	
Age of System? _____	
Initial or Repair? _____	


4762-33-9
4762-22-5980
Bethesda Rd
4762-42-0
762
4762-32-8
4762-32-3744

Sheet 1 of 1
PROPERTY ID #: 4762225980
COUNTY: Iredell

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

OWNER: Richard Swartz — APPLICATION DATE
ADDRESS: 259 M and M Farms Dr — DATE EVALUATED: 5/18/23
PROPOSED FACILITY: 4 employee — PROPOSED DESIGN FLOW (.1949): 100 gpd — PROPERTY SIZE: 67.9
LOCATION OF SITE: 782 Bethesda — PROPERTY RECORDED: yes
WATER SUPPLY: Private Public 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) .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
1	Linear 4%	0 - 12	Fill		-	52	-	-	.3 PS
		12 - 30	C SBK	SS SP FR SE					
		30 - 52	CL SBK	SS SP FR SE					
2	Linear 4%	0 - 8	Fill		-	49	-	-	.3 PS
		8 - 32	C SBK	SS SP FR SE					
		32 - 49	CL SBK	SS SP FR SE					
3									
4									

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

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Cory Whicker
OTHER(S) PRESENT:

COMMENTS:

LEGEND

use the following standard abbreviations

LANDSCAPE POSITION	GROUP	SOIL TEXTURE	CONVENTIONAL .1955 LTAR*	LPP .1957 LTAR*	MINERALOGY/ CONSISTENCE	STRUCTURE
CC (Concave Slope)	I	S (Sand)	1.2 - 0.8	0.6 - 0.4	SEXP (Slightly Expansive)	G (Single Grain)
CV (Convex Slope)		LS (Loamy Sand)			EXP (Expansive)	M (Massive)
D (Drainage Way)						CR (Crumb)
DS (Debris Slump)	II	SL (Sandy Loam)	0.8 - 0.6	0.4 - 0.3		GR (Granular)
FP (Flood Plain)		L (Loam)				SBK (Subangular Blocky)
FS (Foot Slope)						ABK (Angular Blocky)
H (Head Slope)	III	Si (Silt)	0.6 - 0.3	0.3 - 0.15		PL (Platy)
L (Linear Slope)		SiCL (Silty Clay Loam)				PR (Prismatic)
N (Nose Slope)		CL (Clay Loam)				
R (Ridge)		SCL (Sandy Clay Loam)			**MOIST**	**WET**
S (Shoulder Slope)		SiL (Silt Loam)				
T (Terrace)					VFR (Very Friable)	NS (Non-sticky)
	IV	SC (Sandy Clay)	0.4 - 0.1	0.2 - 0.05	FR (Friable)	SS (Slightly Sticky)
		SiC (Silty Clay)			FI (Firm)	S (Sticky)
		C (Clay)			VFI (Very Firm v. Very Sticky)	VS (Very Sticky)
		O (Organic)	None	None	EFI (Extremely Firm)	NP (Non-plastic)
						SP (Slightly Plastic)
						P (Plastic)
						VP (Very Plastic)

*Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.

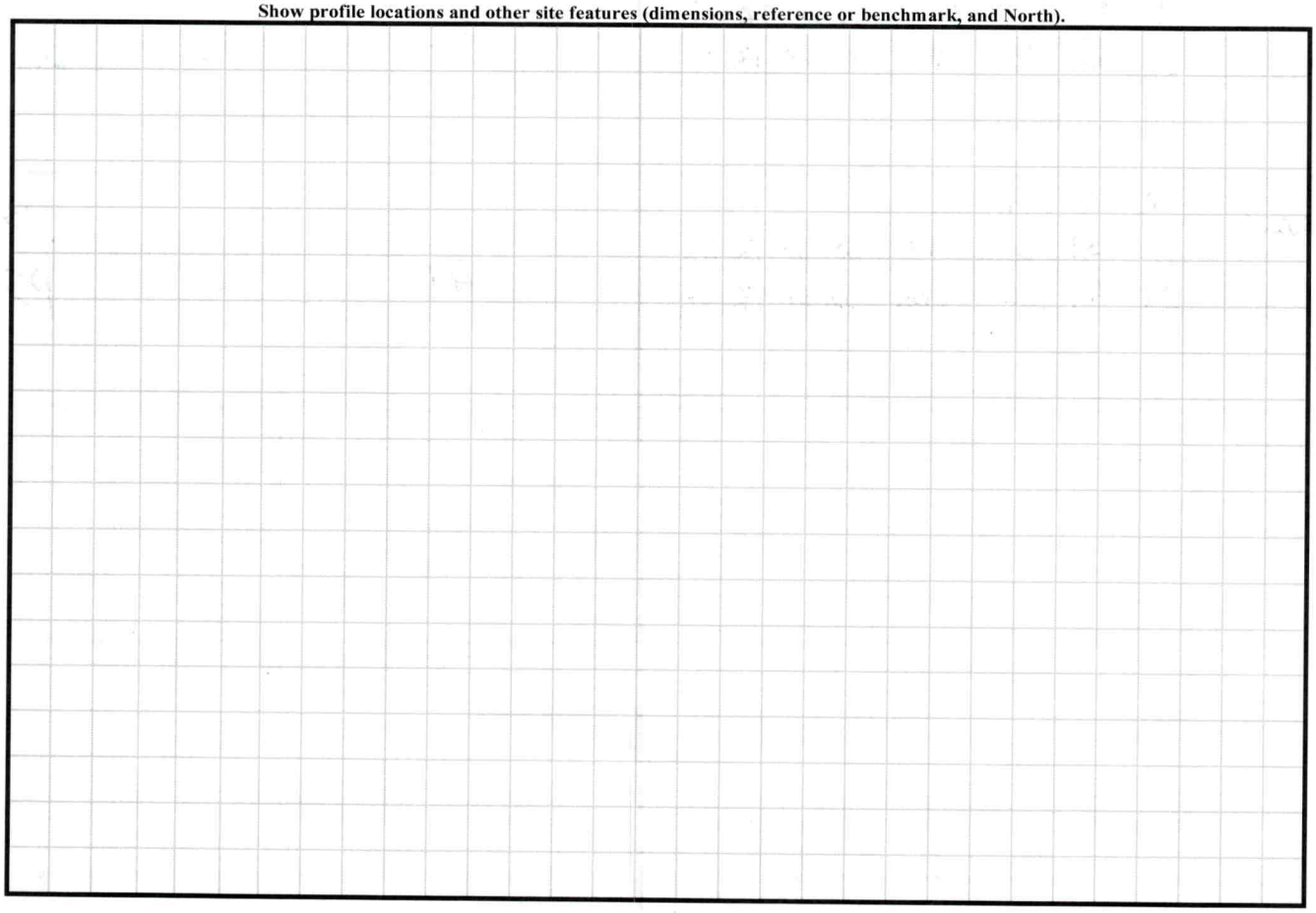
NOTES

HORIZON DEPTH	In inches below natural soil surface
DEPTH OF FILL	In inches from land surface
RESTRICTIVE HORIZON	Thickness and depth from land surface
SAPROLITE	S(suitable) or U(unsuitable)
SOIL WETNESS	Inches from land surface to free water or inches from land surface to soil colors with chroma 2 or less - record Munsell color chip designation
CLASSIFICATION	S (Suitable), PS (Provisionally Suitable), or U (Unsuitable)

Evaluation of saprolite shall be by pits.

Long-term Acceptance Rate (LTAR): gal/day/ft^2

Show profile locations and other site features (dimensions, reference or benchmark, and North).



PERMIT SNAPSHOT REPORT OSWP-2023-23488
FOR IREDELL COUNTY

Permit Type: Environmental Health OSWP
Work Class: EH Septic Permit
Status: In Progress
Valuation: $0.00
Project:
District: Iredell County
Square Feet: 0.00
Assigned To: Whicker, Cory
App Date: 04/27/2023
Exp Date: NOT AVAILABLE
Completed: NOT COMPLETED
Approval Expire Date:

Description: ZONING FEES PD ON BLDR-2023-15170 PER REBECCA H.------- Small building marked to the right of driveway, through green fence. Stakes are behind large dirt pile. Lot is located right after Hickory Nut Lane Near 670 Bethesda- Sh

Parcel:	**Address:**	**Zone:**
4762225980.000 Main	762 Bethesda Rd Statesville, NC 28677 Main	RA(Residential Agricultural District)

Applicant/Authorized Agent
Richard Swartz
259 M and M Farms Dr
Mooresville, NC 28115
Mobile: (704) 682-9702

Property Owner
Richard Swartz
Home: (704) 682-9702
Mobile: (704) 682-9702

Permit Custom Fields

How is your site plan being submitted	Custom Site Plan	Septic Application/Permit Type	Improvement Permit	Does the site contain any jurisdictional wetlands	No
Non-domestic Sewage Generated	No	Other Public Agency	No	All proposed structure dimensions	26 X 20
What are the proposed structures	Other Addition/Structure	Type of New Single-Family Residence	Stick Built	Maximum Number of Bedrooms	0
If other Addition/Structure, please explain	office/ storage	Number of Occupants	1	Foundation Type	Concrete Slab Foundation
Residential/Business/Other	Commercial	Number of Employees	1	Water Supply	Community Well
Desired Septic System Type	Conventional (most common)	Zoning Notes/Addendums	Zoning issued on bldg permit 15170	Additional Unique Setbacks Apply	No

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_Richard_Swartz_4/27/2023.jpg	04/27/2023 12:28	Swartz, Richard		Uploaded via CSS
authorize agent_v1.pdf	04/27/2023 13:08	Nebel, Barbara	Available Online	Authorize to Act as Agent

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2023-92257	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	05/15/2023	05/15/2023 0:00	05/15/2023 0:00	05/15/2023 13:21	05/15/2023 13:21

Inspectors: Holland, Sydney (Primary)

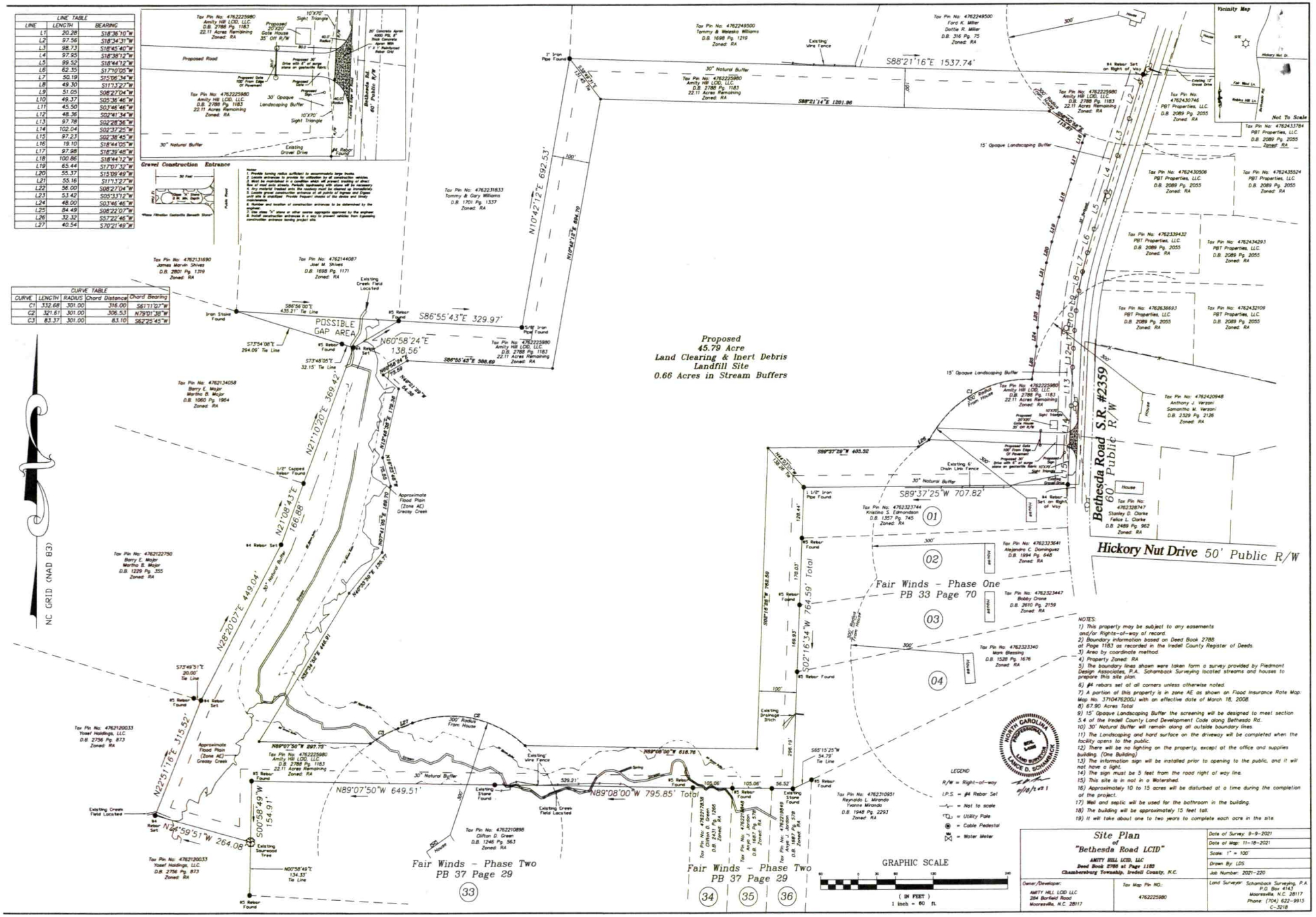
Checklist Item	Description	Passed	Comments
General Comments	Checklist item used to track general comments, not specific to any other checklist item	No	

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00013104	New Gravity System	$500.00	$500.00
	Total for Invoice INV-00013104	$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		04/27/2023 13:08	04/27/2023 13:08
Confirm application complete v.1	Generic Action		04/27/2023 13:08
Fees v.1		04/28/2023 8:13	05/11/2023 8:00
Issue Invoice v.1	Generic Action		04/28/2023 8:13

PERMIT SNAPSHOT REPORT (OSWP-2023-23488)

Fees Paid v.1	Generic Action		05/11/2023 8:00
Zoning Review v.1		04/27/2023 13:08	05/11/2023 8:10
~~Floodplain Admin Overview v.1~~	Task		05/11/2023 8:09
Iredell County Zoning Approval v.1	Task	04/27/2023 13:08	04/27/2023 16:37
~~Issue Invoice v.1~~	Generic Action		04/27/2023 16:37
~~Fees Paid v.1~~	Generic Action		04/27/2023 16:37
Lot Readiness Verification v.1		05/15/2023 13:21	
OSWP Septic Preliminary Site Visit v.1	Inspection	05/15/2023 13:21	05/15/2023 13:21
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		



LINE TABLE		
LINE	LENGTH	BEARING
L1	20.26	S18°36'10"W
L2	97.56	S18°34'31"W
L3	98.73	S18°45'40"W
L4	97.95	S18°38'12"W
L5	99.52	S18°44'12"W
L6	62.35	S17°10'05"W
L7	50.19	S15°06'34"W
L8	49.30	S11°37'27"W
L9	51.05	S08°27'04"W
L10	49.37	S05°36'46"W
L11	45.50	S03°46'46"W
L12	48.36	S09°41'34"W
L13	97.78	S02°28'56"W
L14	102.04	S02°37'25"W
L15	97.23	S02°38'45"W
L16	19.10	S18°44'05"W
L17	97.98	S18°39'48"W
L18	100.86	S18°44'12"W
L19	65.44	S17°07'32"W
L20	55.37	S15°09'49"W
L21	55.16	S11°13'27"W
L22	56.00	S08°27'04"W
L23	53.42	S05°33'12"W
L24	48.00	S03°46'46"W
L25	84.49	S08°22'07"W
L26	32.32	S57°22'46"W
L27	40.54	S70°21'49"W

CURVE TABLE				
CURVE	LENGTH	RADIUS	Chord Distance	Chord Bearing
C1	332.68	301.00	316.00	S61°11'07"W
C2	321.61	301.00	306.53	N79°01'38"W
C3	83.37	301.00	83.10	S62°25'45"W

NOTES:
1) This property may be subject to any easements and/or Rights-of-way of record.
2) Boundary information based on Deed Book 2788 at Page 1183 as recorded in the Iredell County Register of Deeds.
3) Area by coordinate method.
4) Property Zoned: RA
5) The boundary lines shown were taken form a survey provided by Piedmont Design Associates, P.A. Schambock Surveying located streams and houses to prepare this site plan.
6) #4 rebars set at all corners unless otherwise noted.
7) A portion of this property is in zone AE as shown on Flood Insurance Rate Map: Map No. 3710476200J with an effective date of March 18, 2008
8) 67.90 Acres Total
9) 15' Opaque Landscaping Buffer the screening will be designed to meet section 5.4 of the Iredell County Land Development Code along Bethesda Rd.
10) 30' Natural Buffer will remain along all outside boundary lines.
11) The Landscaping and hard surface on the driveway will be completed when the facility opens to the public.
12) There will be no lighting on the property, except at the office and supplies building. (One Building)
13) The information sign will be installed prior to opening to the public, and it will not have a light.
14) The sign must be 5 feet from the road right of way line.
15) This site is in not in a Watershed.
16) Approximately 10 to 15 acres will be disturbed at a time during the completion of the project.
17) Well and septic will be used for the bathroom in the building.
18) The building will be approximately 15 feet tall.
19) It will take about one to two years to complete each acre in the site.

NORTH CAROLINA PROFESSIONAL SEAL L-3218 LAND SURVEYOR LANCE D. SCHAMBACK

Site Plan
of
"Bethesda Road LCID"
AMITY HILL LCID, LLC
Deed Book 2788 at Page 1183
Chambersburg Township, Iredell County, N.C.

Date of Survey: 9-9-2021	
Date of Map: 11-18-2021	
Scale: 1" = 100'	
Drawn By: LDS	
Job Number: 2021-220	

Owner/Developer:
AMITY HILL LCID LLC
284 Barfield Road
Mooresville, N.C. 28117

Tax Map Pin NO.:
4762225980

Land Surveyor: Schambock Surveying, P.A.
P.O. Box 4147
Mooresville, N.C. 28117
Phone: (704) 622-9915
C-3218