ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 x3456 Mooresville Office (704) 660-3625

BB

BLDR- 2024-68429

PERMIT : OSWP 2023-40324

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

PIN # 4776-80-6647

APPLICANT/OWNER: Transect Construction LLC APPLICANT ADDRESS: 13815 Cinnabar Pl, Huntersville

SITE ADDRESS: 174 Swann Rd, Statesville 28625 PHONE: 703-304-0391 ALT. PHONE

SITE DIRECTIONS: 64 E - Swann SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Swann Hills SECTION: - LOT # 3 LOT AREA: 0.941 DESIGN FLOW: 480 gpd L.T.A.R.(Initial): 0.25 L.T.A.R (Repair): 0.3

Septic Tank 1000 (gal) STB 760 Date

Pump Tank (gal) PT Date

Pump Make Model Serial #

Nitrification Fields 1 # Lines 7 Linear Ft 480'

Trench Width 36in *Max. Trench Depth(Initial) 24in *Max. Trench Depth(Repair) 30in Gravel Depth -

* Measured on the downhill side of the trench Effluent Standard: ☒ DSE ☐ HSE ☐ TS-I ☐ TS-II ☐ RCW ☐ NSF/ANSI 40

☒ New System ☐ Repair ☐ Expansion System Type: I II (III) IV V VI

System Description: 25% reduction

Repair System Description: 50% reduction

Maintenance Agreement Required: ☐ YES ☒ NO

☒ GRAVITY ☐ PRESSURE

Usable Depth to LC (Initial): 48 in

Usable Depth to LC (Repair): 48 in *Limiting Condition*

☒ Residence No. Bedrooms 4

☐ Business No. Persons 8

☐ Other No. Employees

☒ Slab ☐ Crawl Space

☐ Basement w/plumbing ☐ Basement w/o plumbing

Water Supply

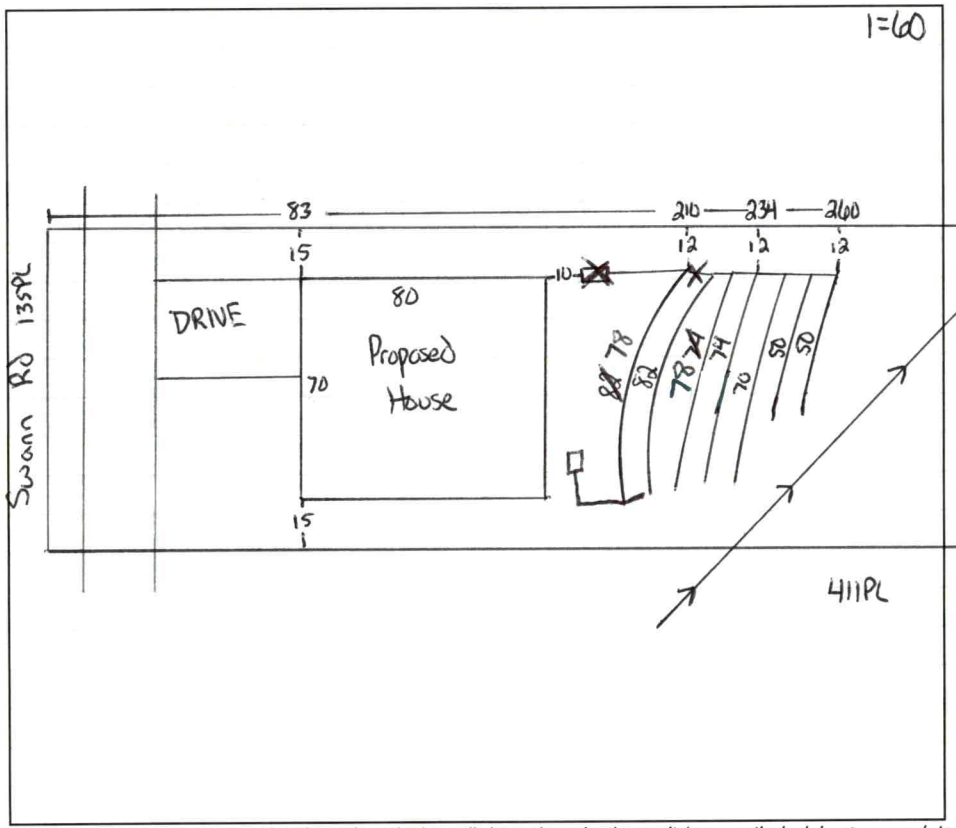
☐ Private

☒ Public

☐ Community

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

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: Online Signature Date:

IMPROVEMENT PERMIT by: Coy Hil Date: 2/29/24

AUTHORIZATION TO CONSTRUCT by: [signature] Date: 8/27/24

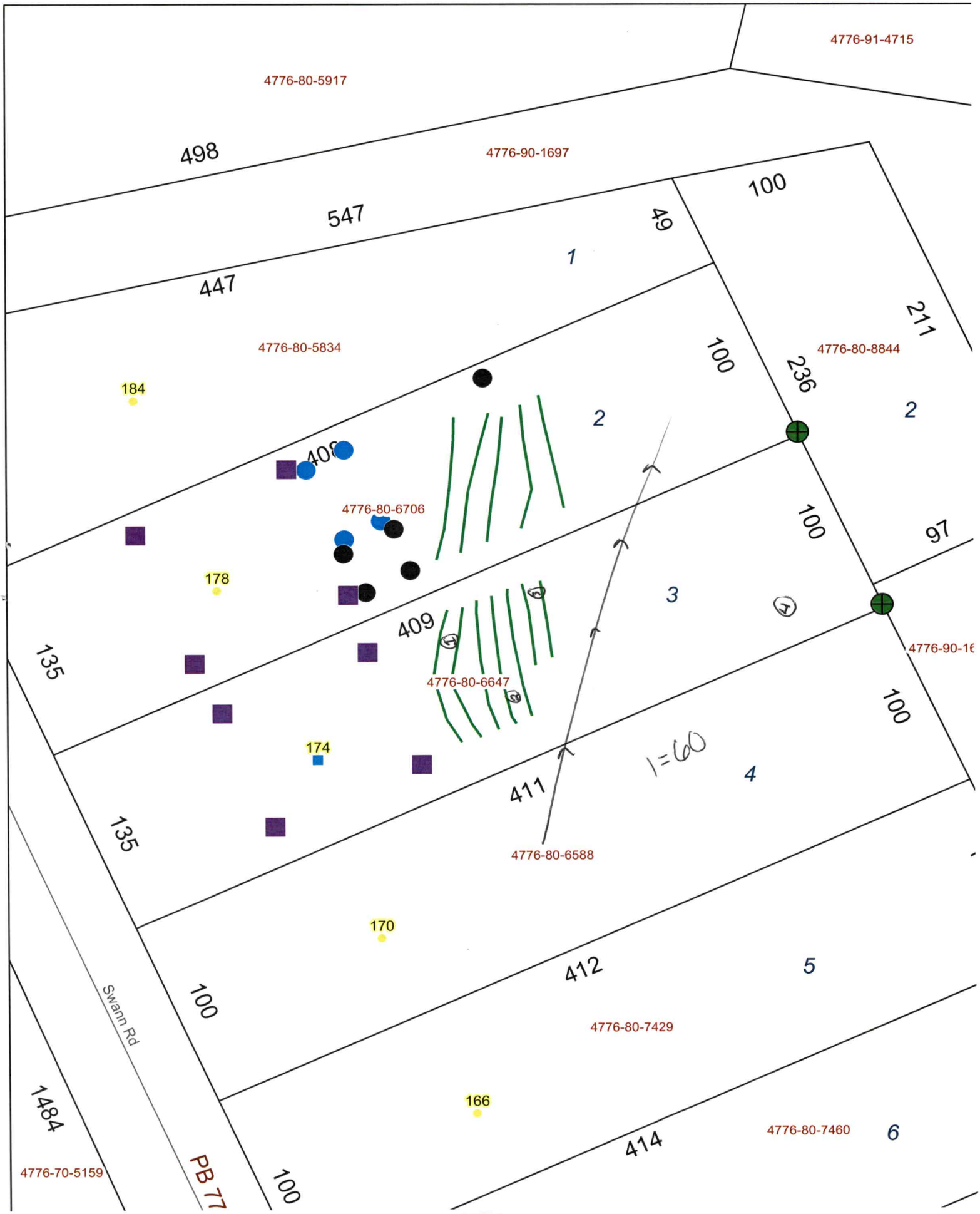
Installed by: Galle Excavation

OPERATION PERMIT by: Coy Hil Date: 1/3/25

Existing System Inspected by: Date:

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? _____	


4776-91-4715
4776-80-5917
498
4776-90-1697
547
100
49
1
447
211
4776-80-5834
100
4776-80-8844
236
184
2
2
408
4776-80-6706
100
97
178
3
409
135
4776-90-16
4776-80-6647
100
174
1=60
4
411
135
4776-80-6588
170
412
5
100
Swann Rd
4776-80-7429
1484
166
4776-80-7460
6
414
4776-70-5159
PB 77
100

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

Sheet 1 of 1
PROPERTY ID #: 4776806647
COUNTY: Iredell

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

OWNER: Transect Construction LLC
APPLICATION DATE 10/31/24
ADDRESS: 13815 Cinnabar Pl, Huntesville
DATE EVALUATED: 2/27/24
PROPOSED FACILITY: 4bd/2 home
PROPOSED DESIGN FLOW (.1949): 480 gpd
PROPERTY SIZE: 0.941
LOCATION OF SITE: 174 Swann Rd, Statesville
PROPERTY RECORDED: Yes
WATER SUPPLY: Private X Public Well Spring Other
EVALUATION METHOD: Auger Boring X Pit Cut
TYPE OF WASTEWATER: Sewage Industrial Process Mixed

PROFILE #	.1940 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY (.1941) STRUCTURE/ TEXTURE	SOIL MORPHOLOGY (.1941) CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .1942 SOIL WETNESS/ COLOR	.1943 SOIL DEPTH	.1956 SAPRO CLASS	.1944 RESTR HORIZ	PROFILE CLASS & LTAR
1	Linear 8%	0 - 12	PLOW		-	48	-	-	.3 PS
		12 - 32	C SBK	SS SP FR SE					
		32 - 48	CL SBK	SS SP FR SE					
2	Foot 5%	0 - 12	PLOW		10yr 6/4 at 36"	48	-	-	.25 PS
		12 - 36	C SBK	SS SP FR SE					
		36 - 48	CL SBK	SS SP FR SE					
3	Linear 7%	0 - 12	PLOW		-	49	-	-	.275 PS
		12 - 36	C SBK	SS SP FR SE					
		36 - 49	CL SBK	SS SP FR SE					
4	Linear 9%	0 - 21	C SBK	SS SP FR SE	-	48	Litho inc in CL layer		.3 PS
		21 - 48	CL SBK	SS SP FR SE					

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

OTHER FACTORS (.1946): PS
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.

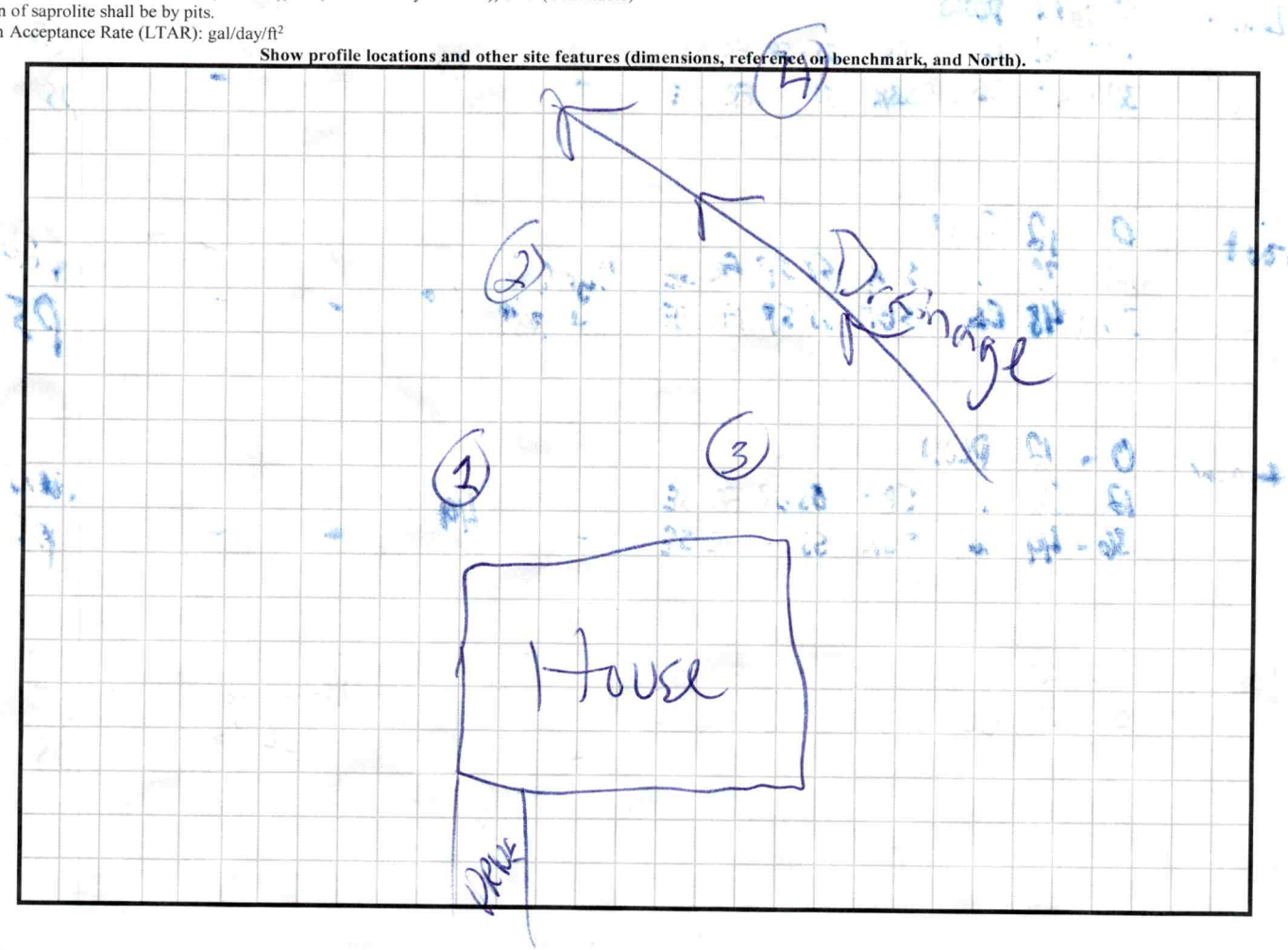
NOTES

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-2023-40324 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	10/31/2023
Work Class:	EH Septic Permit	**District:**	Iredell County	**Exp Date:**	NOT AVAILABLE
Status:	In Progress	**Square Feet:**	0.00	**Completed:**	NOT COMPLETED
Valuation:	$0.00	**Assigned To:**	Whicker, Cory	**Approval Expire Date:**	

Description: OBTAIN APPROVAL FOR LOCATION OF 4 BEDROOM PERC FOR SF HOME TO BE BUILT.

Parcel: 4776806647.000 Main	**Address:** 174 Swann Rd Statesville, NC 28625 Main	**Zone:** RA(Residential Agricultural District)

Property Owner	Applicant/Authorized Agent	Applicant/Authorized Agent
HOLRAK LLC	TRANSECT CONSTRUCTION LLC 13944 Alley Baster Street 13815 CINNABAR PLACE Huntersville, NC 28078 Business: (703) 304-0391 Mobile: (703) 304-0391	TRANSECT CONSTRUCTION LLC 13944 Alley Baster Street 13815 CINNABAR PLACE Huntersville, NC 28078 Business: (703) 304-0391 Mobile: (703) 304-0391

Permit Custom Fields

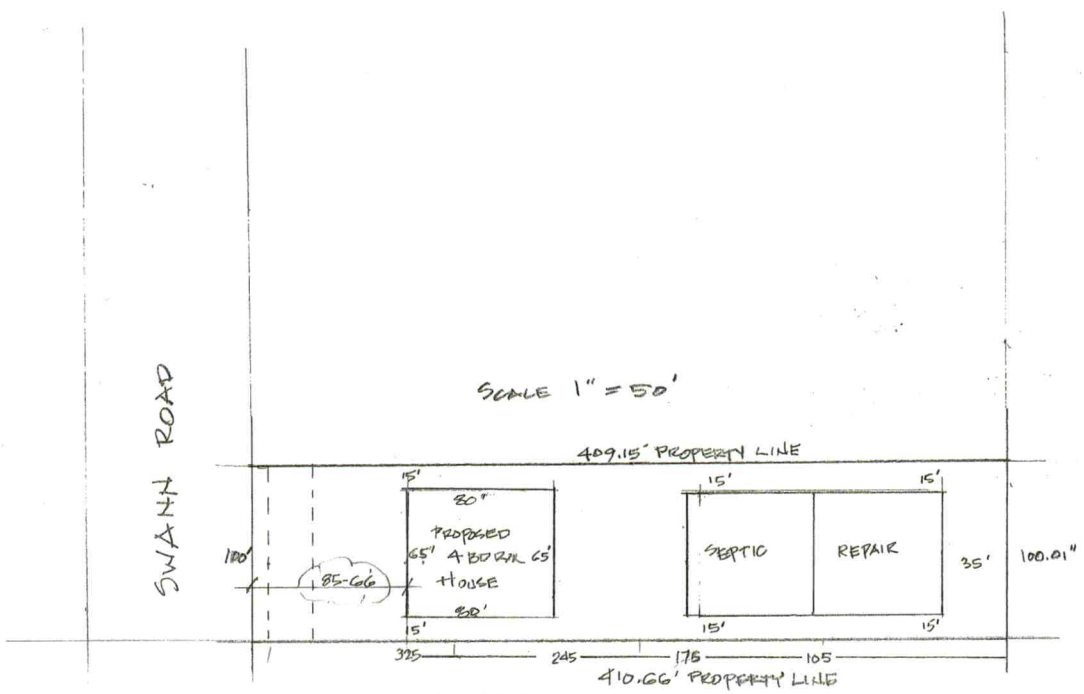
How is your site plan being submitted	Custom Site Plan	Septic Application/Permit Type	Authorization to Construct, Improvement Permit	Does the site contain any jurisdictional wetlands	No
Non-domestic Sewage Generated	No	Other Public Agency	No	All proposed structure dimensions	69 FEET WIDE X 80 FEET DEEP
What are the proposed structures	New Single-Family Residence - Stick Built	Type of New Single-Family Residence	Stick Built	Maximum Number of Bedrooms	4
If other Addition/Structure, please explain	NONE	Number of Occupants	4	Foundation Type	Concrete Slab Foundation
Residential/Business/Other	Residential	Number of Employees	2	Water Supply	Other Public Water
Desired Septic System Type	Conventional (most common)	Has this project been approved by TRC	No	Lot Acreage	0.941
Front Setback	35	Back Setback	35	Left Setback	15
Right Setback	15	Zoning Permit Issued Date	Nov 15 2023 12:00AM	Zoning Permit Expiration Date	May 13 2024 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	NOT IN A WATERSHED		

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_TJ_PECORAK_10/31/2023.jpg	10/31/2023 17:10	PECORAK, TJ		Uploaded via CSS
Irredell County Doc to Authorize_v1.pdf	11/01/2023 11:56	Hart, Ronda	Available Online	Authorize to Act as Agent
156 and 174 Swann Road Revised Site plan 11 8 23_v2.pdf	11/14/2023 13:44	Williams, Deborah	Available Online	Site Plan

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2024-190360	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	02/16/2024	02/15/2024 0:00	02/15/2024 0:00	02/16/2024 12:19	02/16/2024 12:19

Inspectors: Moore, Bradley (Primary)

Checklist Item	Description	Passed	Comments
General Comments	Checklist item used to track general	No	


SCALE 1" = 50'
SWANN ROAD
409.15' PROPERTY LINE
15'
80'
PROPOSED
65' 4 BDRM 65'
HOUSE
32'
15'
15'
15'
SEPTIC
REPAIR
15'
15'
35'
100.01'
100'
85-66
325
245
175
105
410.66' PROPERTY LINE
174 SWANN ROAD
PIN # 0776806647
LOT # 3