ICHD - ENVIRONMENTAL HEALTH DIVISION

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

BLDR - 2024 - 61805

PERMIT : OSWP 2024-47526

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

PIN # 4776 -- 90 -- 7040

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

SITE ADDRESS: 1465 Mocksville Hwy, Statesville 28625 PHONE: 703-304-0391 ALT. PHONE -

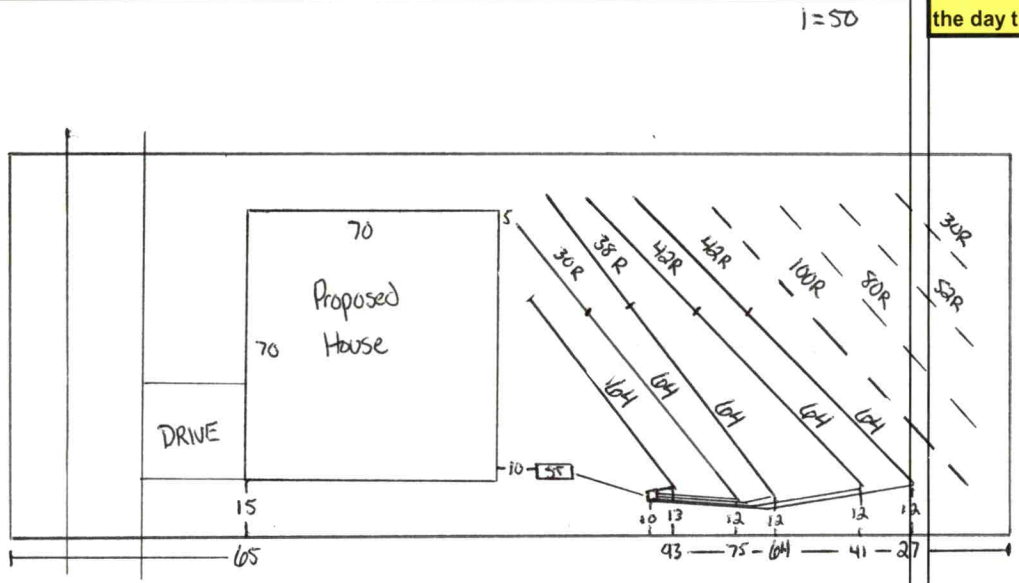
SITE DIRECTIONS: 64 E - Lot on left SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Swann Hills SECTION: - LOT # 20 LOT AREA: 0.662 DESIGN FLOW: 480 gpd L.T.A.R.(Initial): 0.25 L.T.A.R (Repair): 0.25

Septic Tank 1000 (gal)	STB 700	Date	☒ New System ☐ Repair ☐ Expansion	System Type: I II (III) IV V VI	☒ Residence	No. Bedrooms 4	Water Supply
Pump Tank (gal)	PT	Date	System Description: HPPBPS		☐ Business	No. Persons 8	☐ Private
Pump Make	Model	Serial #	Repair System Description: LP- PPBPS		☐ Other	No. Employees	☒ Public
# Nitrification Fields 1	# Lines 5	Linear Ft 320'	Maintenance Agreement Required: ☐ YES ☒ NO		☒ Slab	☐ Crawl Space	☐ Community
Trench Width 36in	*Max. Trench Depth(Initial) 30 in	*Max. Trench Depth(Repair) 21 in	Gravel Depth -	☒ GRAVITY ☐ PRESSURE	☐ Basement w/plumbing	☐ Basement w/o plumbing	
* Measured on the downhill side of the trench	Effluent Standard: ☒ DSE ☐ HSE ☐ TS-I ☐ TS-II ☐ RCW ☐ NSF/ANSI 40		Usable Depth to LC (Initial): 48 in		Usable Depth to LC (Repair): 40 in		*Limiting Condition*

Comments / Conditions: Install on contour with the land. Feed lines equally. 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.

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:

Installed by: Gail Excavation

IMPROVEMENT PERMIT by: Coy Hil ✓ Date: 3/22/24

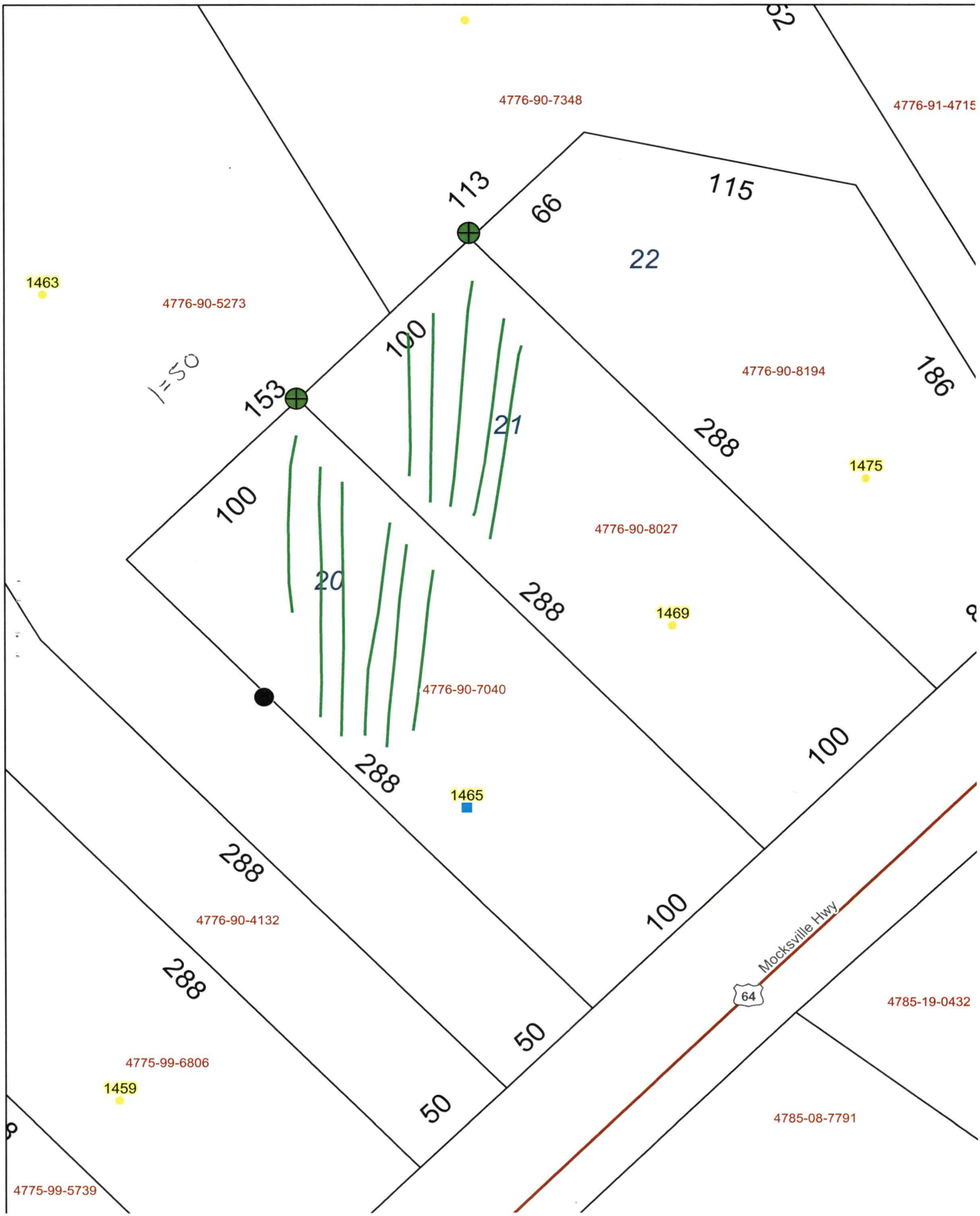
OPERATION PERMIT by: ✓ Date: 2/18/25

AUTHORIZATION TO CONSTRUCT by: Coy Hil ✓ Date: 9/17/24

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? _____	


4776-90-7348
4776-91-4715
113
66
115
22
1463
4776-90-5273
100
153
1=50
4776-90-8194
186
21
288
1475
100
4776-90-8027
20
288
1469
4776-90-7040
288
1465
100
288
4776-90-4132
100
Mocksville Hwy
64
288
4785-19-0432
50
4775-99-6806
1459
50
4785-08-7791
4775-99-5739

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

Sheet 1 of 1
PROPERTY ID #: 4776907040
COUNTY: Iredell

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

Lot 20

OWNER: Transect Construction LLC — APPLICATION DATE 2/21/24
ADDRESS: 13815 Cinnabar Pl, Huntersville — DATE EVALUATED: 3/20/24
PROPOSED FACILITY: 4 bd/r home — PROPOSED DESIGN FLOW (.1949): 480 gpd — PROPERTY SIZE: 0.662
LOCATION OF SITE: 1465 Mocksville Hwy, Statesville — PROPERTY RECORDED: yes
WATER SUPPLY: Private X 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 9%	0 - 8	PLOW SCL	SS SP FR SE	Yellow/Browns at 28"	48	Common SAP inc in CL layer		.275 PS
		8 - 32	C ABK	SS SP FR SE					
		32 - 48	CL SBK	SS SP FR SE					
2	Linear 10%	0 - 10	PLOW SCL	SS SP FR SE	Yellow/Browns at 32"	56	Common SAP inc in CL layer		.275 PS
		10 - 38	C ABK	S P FR SE					
		38 - 56	CL SBK	SS SP FR SE					
3	Linear 10%	0 - 12	PLOW SCL	SS SP FR SE	10yr 6/2 at 40"+	50	-	-	.25 PS
		12 - 40	C SBK	S P FR SE					
		40 - 50	CL ABK	SS SP FR SE					
4	Linear 8%	0 - 8	PLOW SCL	SS SP FR SE	Yellow/Browns at 31"	50	-	-	.25 PS
		8 - 35	C SBK	SS SP FR SE					
		35 - 50	CL SBK	SS SP FR SE					

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

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.

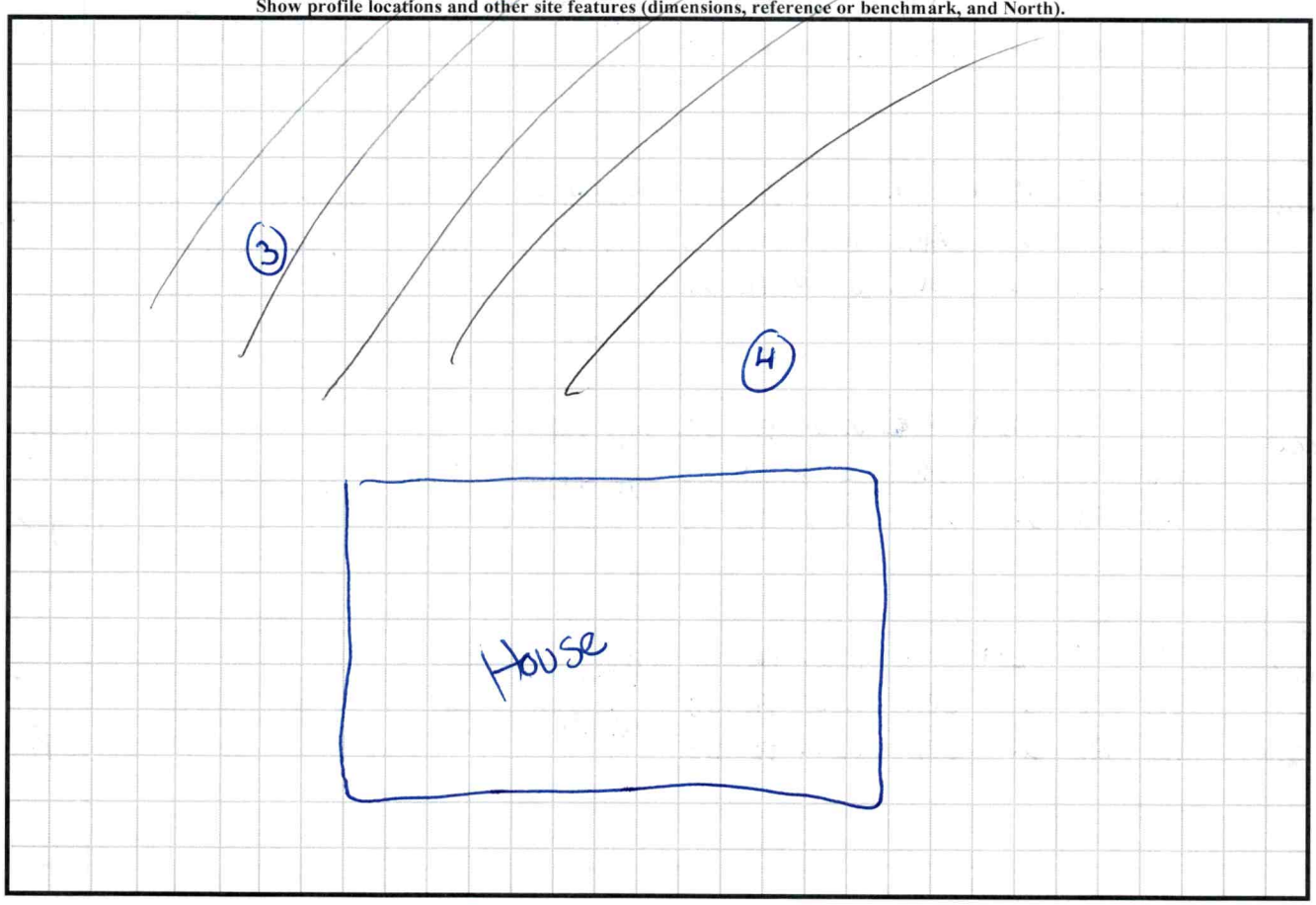
NOTES

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).



pecorak@msn.com

PERMIT SNAPSHOT REPORT OSWP-2024-47526 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	02/21/2024
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:	Perc for a New Construction SF 4 bedroom Home				

Parcel: 4776907040.000 Main	**Address:** 1465 Mocksville Hwy Statesville, NC 28625 Main	**Zone:** RA(Residential Agricultural District)

Property Owner
TJ PECORAK
Home: (703) 304-0391
Mobile: (703) 304-0391

Applicant/Authorized Agent
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	Improvement Permit	Does the site contain any jurisdictional wetlands	No
Non-domestic Sewage Generated	No	Other Public Agency	No	All proposed structure dimensions	70' x 70' maximum building footprint
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		Number of Occupants	4	Foundation Type	Concrete Slab Foundation
Residential/Business/Other	Residential	Water Supply	Other Public Water	Desired Septic System Type	Conventional (most common)
Has this project been approved by TRC	No	Lot Acreage	0.662	Front Setback	35
Back Setback	35	Left Setback	15	Right Setback	15
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		

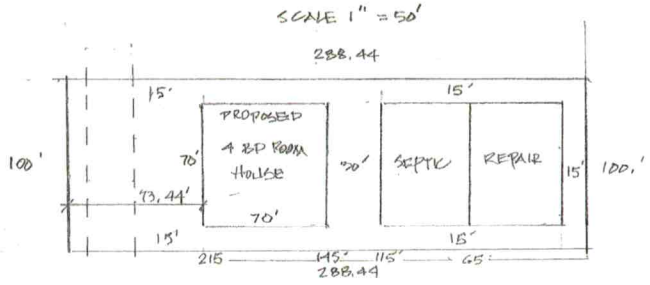
Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_TJ_PECORAK_2/21/2024.jpg	02/21/2024 11:49	PECORAK, TJ		Uploaded via CSS
Iredell Co Owner Authorization Swan Hill_v1.pdf	02/21/2024 15:45	PECORAK, TJ	Available Online	
Swan Lot 20 Perc_v1.pdf	02/22/2024 11:30	PECORAK, TJ	Available Online	

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2024-197789	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	03/14/2024	03/14/2024 0:00	03/14/2024 0:00	03/14/2024 13:21	03/14/2024 13:21

Inspectors: Moore, Bradley (Primary)

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

ROCKVILLE HWY



1465 ROCKVILLE HIGHWAY
LOT 2D

PIN# 477697040