ICHD - ENVIRONMENTAL HEALTH DIVISION

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

3 cw

BLDR - 2024-068429

PERMIT ; OSWP 2024-47143

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

PIN # 4776 -- 80 -- 7429

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

SITE ADDRESS: 1606 Swann Rd, Statesville 28625 PHONE: 703-304-0391 ALT. PHONE -

SITE DIRECTIONS: 64E - Swann

SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Swann Hills SECTION: - LOT # 5 LOT AREA: 0.948 DESIGN FLOW: 480 gpd L.T.A.R.(Initial): 0.3 L.T.A.R (Repair): 0.275

Septic Tank	1000 (gal)	STB 7600	Date	☒ New System	☐ Repair	☐ Expansion	System Type: I II (III) IV V VI
Pump Tank	1000 (gal)	PT 8603	Date	System Description:	25% reduction		
Pump Make		Model		Repair System Description:	25% reduction		
# Nitrification Fields	1	# Lines	4	Linear Ft 400'	Maintenance Agreement Required:	☐ YES	☒ NO
Trench Width	36in	*Max. Trench Depth(Initial)	30 in	*Max. Trench Depth(Repair)	30 in	Gravel Depth -	☐ GRAVITY ☒ PRESSURE

* Measured on the downhill side of the trench

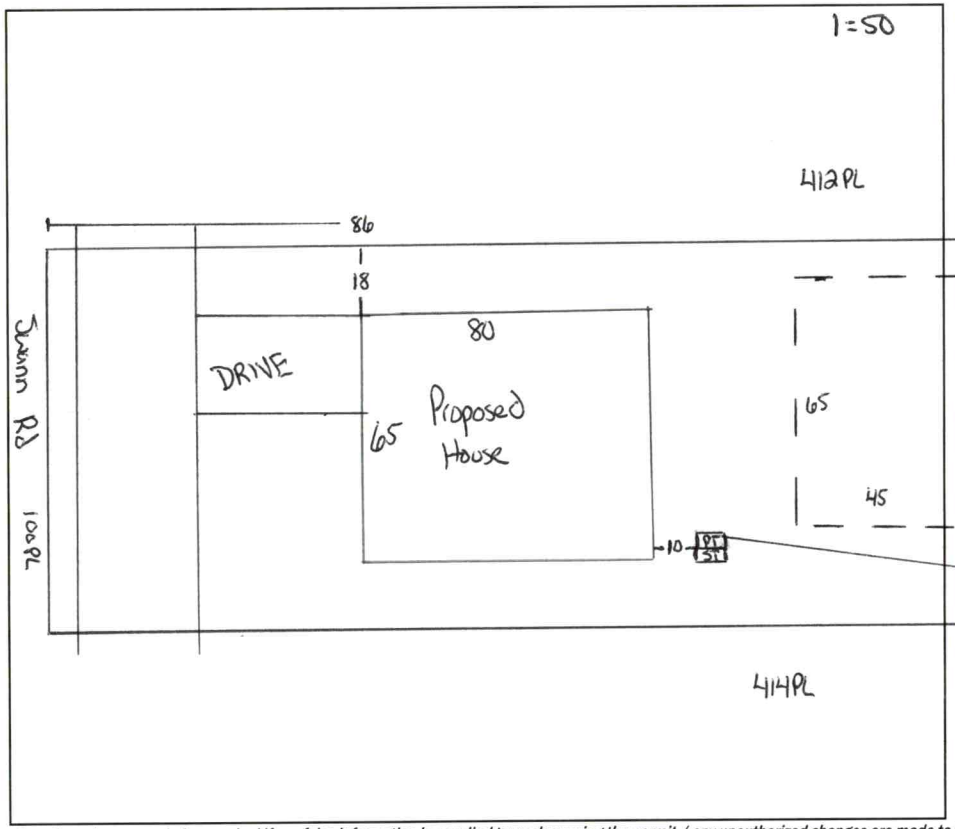
Effluent Standard: ☒ DSE ☐ HSE ☐ TS-I ☐ TS-II ☐ RCW ☐ NSF/ANSI 40 Usable Depth to LC (Initial): 48in

☒ Residence	No. Bedrooms	4	Water Supply
☐ Business	No. Persons	8	☐ Private
☐ Other	No. Employees		☒ Public
☒ Slab	☐ Crawl Space		☐ Community
☐ Basement w/plumbing		☐ Basement w/o plumbing	

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

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

INITIAL SITE SKETCH

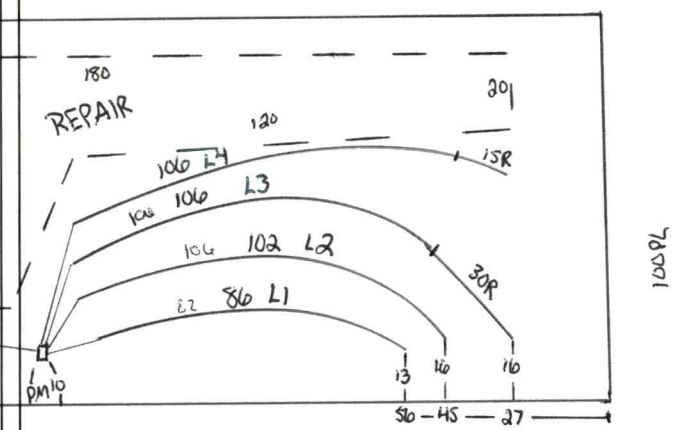


AS BUILT SKETCH

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.

L1 = 1/2 sch 80 L2, L3, L4 = 1/2 sch 40

Dose = 182
Flow = 26.8
Time = 6.8 min
Drawdown = 8.6 in
2 ft head
2 in supply



* Need Electrical - BM

Electrical CW

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: Cory Whit Date: 4/9/24

AUTHORIZATION TO CONSTRUCT by: Benjamin A Boss Date: 6/27/24

Installed by: Gail Excavating

OPERATION PERMIT by: Cory Whit Date: 3/6/25

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? _____	

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

PROPERTY ID #: 4776807429
COUNTY: Iredell

Lot 5

SOIL/SITE EVALUATION *for* ON-SITE WASTEWATER SYSTEM

(Complete all fields in full)

OWNER: Transect Construction DATE EVALUATED: 4/4/24
ADDRESS: 13815 Cinnabar Pl
PROPOSED FACILITY: 4 bd/r home PROPOSED DESIGN FLOW (.0400): 480 gpd PROPERTY SIZE: 0.948
LOCATION OF SITE: 1166 Swann Rd, Statesville PROPERTY RECORDED: yes
WATER SUPPLY: X Public Single Family Well Shared Well Spring Other WATER SUPPLY SETBACK: 10'
EVALUATION METHOD: Auger Boring X Pit Cut TYPE OF WASTEWATER: X Domestic High Strength IPWW

PROFILE #	.0502 LANDSCAPE POSITION/ SLOPE %	HORIZON DEPTH (IN.)	SOIL MORPHOLOGY .0503 STRUCTURE/ TEXTURE	SOIL MORPHOLOGY .0503 CONSISTENCE/ MINERALOGY	OTHER PROFILE FACTORS .0504 SOIL WETNESS/ COLOR	.0505 SOIL DEPTH	.0506 SAPRO CLASS	.0507 RESTR HORIZ	.0509 PROFILE CLASS & LTAR*	.0503 SLOPE CORRECTION
1	Head 4%	0 - 16	SC SBK	SS SP FR SE	-	50	-	-	.275 PS	2
		16 - 40	C SBK	S P FR SE						
		40 - 50	CL SBK	SS SP FR SE						
2	Linear 6%	0 - 28	C SBK	SS SP FR SE	-	49	Litho inc inc CL layer		.3 PS	3
		28 - 49	CL SBK	SS SP FR SE						
3	Linear 7%	0 - 29	C SBK	SS SP FR SE	-	48	Litho inc in CL layer		.3 PS	3
		29 - 48	CL SBK	SS SP FR SE						
4	Linear 7%	0 - 30	C SBK	SS SP FR SE	-	48	Litho inc in CL layer		.3 PS	3
		30 - 48	CL SBK	SS SP FR SE						

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	PS	PS
System Type(s)	25%	25%
Site LTAR	.3	.275
Maximum Trench Depth	36 in	36 in

SITE CLASSIFICATION (.0509): PS
EVALUATED BY: PS
OTHER(S) PRESENT: Cory Whitker

Comments:

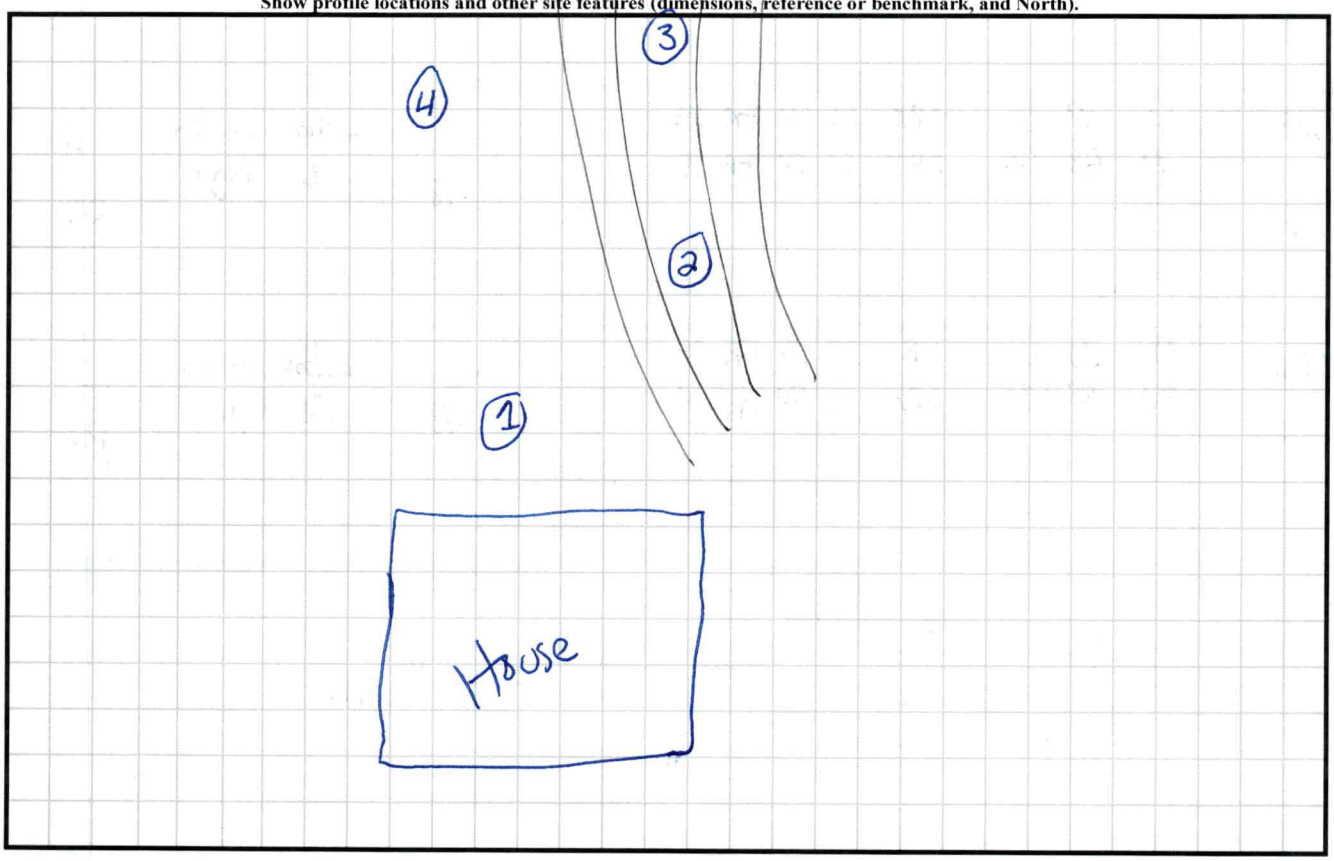
LEGEND

LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)	SAPROLITE LTAR (gpd/ft²)	LPP LTAR (gpd/ft²)	MINERALOGY/ CONSISTENCE		STRUCTURE
CC (Concave slope)	I	S (Sand)	0.8 - 1.2	0.6 - 0.8	0.4 -0.6	MOIST	WET	SG (Single grain)
CV (Convex Slope)		LS (Loamy sand)		0.5 -0.7		Lo (Loose)	NS (Non-sticky)	M (Massive)
D (Drainage way)	II	SL (Sandy loam)	0.6 - 0.8	0.4 -0.6	0.3 - 0.4	VFR (Very friable)	SS (Slightly sticky)	GR (Granular)
FP (Flood plain)		L (Loam)		0.2 - 0.4		FR (Friable)	S (Sticky)	SBK (Subangular blocky)
FS (Foot slope)	III	SiL (Silt loam)	0.3 - 0.6	0.1 - 0.3	0.15 - 0.3	FI (Firm)	VS (Very sticky)	ABK (Angular blocky)
H (Head slope)		SCL (Sandy clay loam)		0.05 - 0.15**		VFI (Very firm)	NP (Non-plastic)	PR (Prismatic)
L (Linear Slope)		CL (Clay loam)		None		EFI (Extremely firm)	SP (Slightly plastic)	PL (Platy)
N (Nose slope)		SiCL (Silty clay loam)					P (Plastic)	
R (Ridge/summit)		Si (Silt)					VP (Very plastic)	
S (Shoulder slope)	IV	SC (Sandy clay)	0.1 - 0.4		0.05 - 0.2	SEXP (Slightly expansive)		
T (Terrace)		SiC (Silty clay)				EXP (Expansive)		
TS (Toe Slope)		C (Clay)						
		O (Organic)	None					

* Adjust LTAR due to depth, consistence, structure, soil wetness, landscape, position, wastewater flow and quality.
**Sandy clay loam saprolite can only be used with advanced pretreatment in accordance with 15A NCAC 18E .1200.

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); Evaluation of saprolite shall be by pits.
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) or U (Unsuitable)

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



PERMIT SNAPSHOT REPORT OSWP-2024-47143 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	02/15/2024
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 LOT FOR 4 BEDROOM NEW CONSTRUCTION SINGLE FAMILY HOME. Waiting to be surveyed-BM 2/29. PC/PL and HB marked, lot ready -BM 3/20

Parcel: 4776807429.000 Main	**Address:** 166 Swann Rd 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

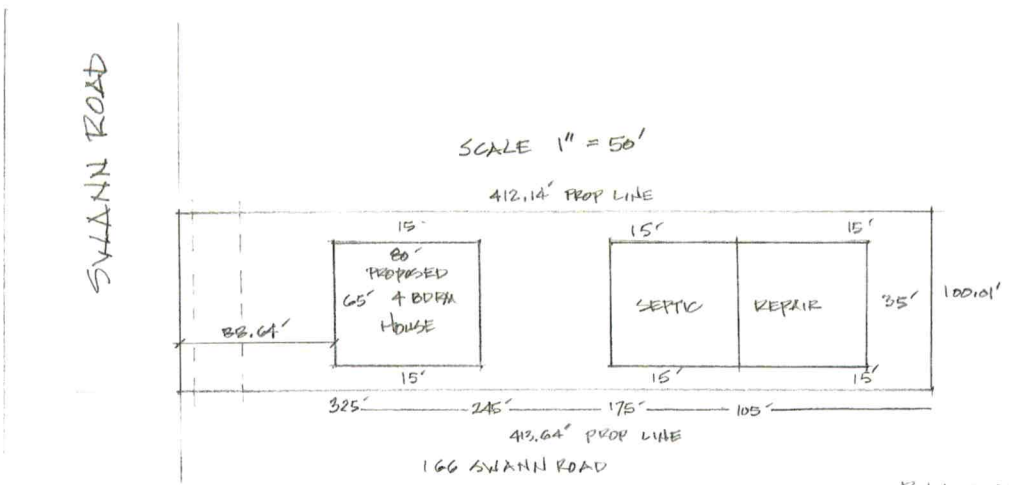
How is your site plan being submitted	Custom Site Plan	Septic Application/Permit Type	Improvement Permit	Does the site contain any jurisdictional wetlands	No
Non-domestic Sewage Generated	No	Other Public Agency	No	All proposed structure dimensions	80' X 65' MAXXIMUM BUILDING FOOTPRINT
What are the proposed 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	0.948	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_2/15/2024.jpg	02/15/2024 12:12	PECORAK, TJ		Uploaded via CSS
Iredell Co Owner Authorization Swan Hill_v1.pdf	02/15/2024 12:30	PECORAK, TJ	Available Online	
Swan Lot 5 Perc_v1.pdf	02/15/2024 13:48	PECORAK, TJ	Available Online	

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2024-199664	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	03/21/2024	03/20/2024 0:00	03/20/2024 0:00	03/21/2024 8:23	03/21/2024 8:23

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	


SWANN ROAD
SCALE 1" = 50'
412.14' PROP LINE
15'
15'
15'
80'
PROPOSED
65' 4 BDRM
HOUSE
SEPTIC
REPAIR
35'
100.01'
BR.64'
15'
15'
15'
325'
245'
175'
105'
413.64' PROP LINE
166 SWANN ROAD
LOT 5
PIN # 4776807429