# ICHD - ENVIRONMENTAL HEALTH DIVISION

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

BLW BLDR - 2024 - 60428

PERMIT ; OSWP 2024-47141

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

PIN # 4776 -- 80 -- 6588

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

SITE ADDRESS: 170 Swann Rd, Statesville 28625 PHONE: 703-304-0391 ALT. PHONE -

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

SUBDIVISION: Swann Hills SECTION: - LOT # 4 LOT AREA: 0.944 DESIGN FLOW: 480 gpd L.T.A.R.(Initial): 0.3 L.T.A.R (Repair): 0.225

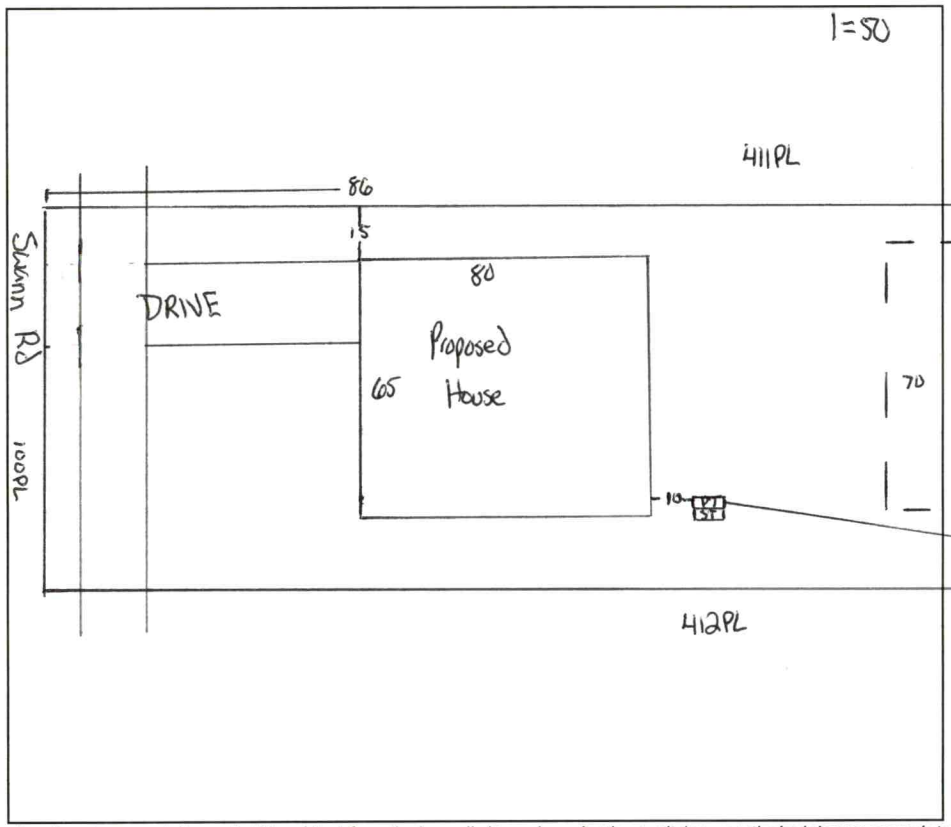
| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Septic Tank | 1000 (gal) | STB | Date | ☒ New System | ☐ Repair | ☐ Expansion | System Type: I II (III) IV V VI | ☒ Residence | No. Bedrooms 4 |
| Pump Tank | 1000 (gal) | PT | Date | System Description: | 25% reduction | | | ☐ Business | No. Persons 8 |
| Pump Make | | Model | Serial # | Repair System Description: | 25% reduction | | | ☐ Other | No. Employees |
| # Nitrification Fields | 1 | # Lines 4 | Linear Ft 400' | Maintenance Agreement Required: | ☐ YES | ☒ NO | | ☒ Slab | ☐ Crawl Space |
| Trench Width 36 in | *Max. Trench Depth(Initial) 30 in | *Max. Trench Depth(Repair) 26 in | Gravel Depth - | ☐ GRAVITY | ☒ PRESSURE | | | ☐ Basement w/plumbing | ☐ Basement w/o plumbing |

Water Supply: ☐ Private ☒ Public ☐ Community

* 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): 44 in *Limiting Condition*

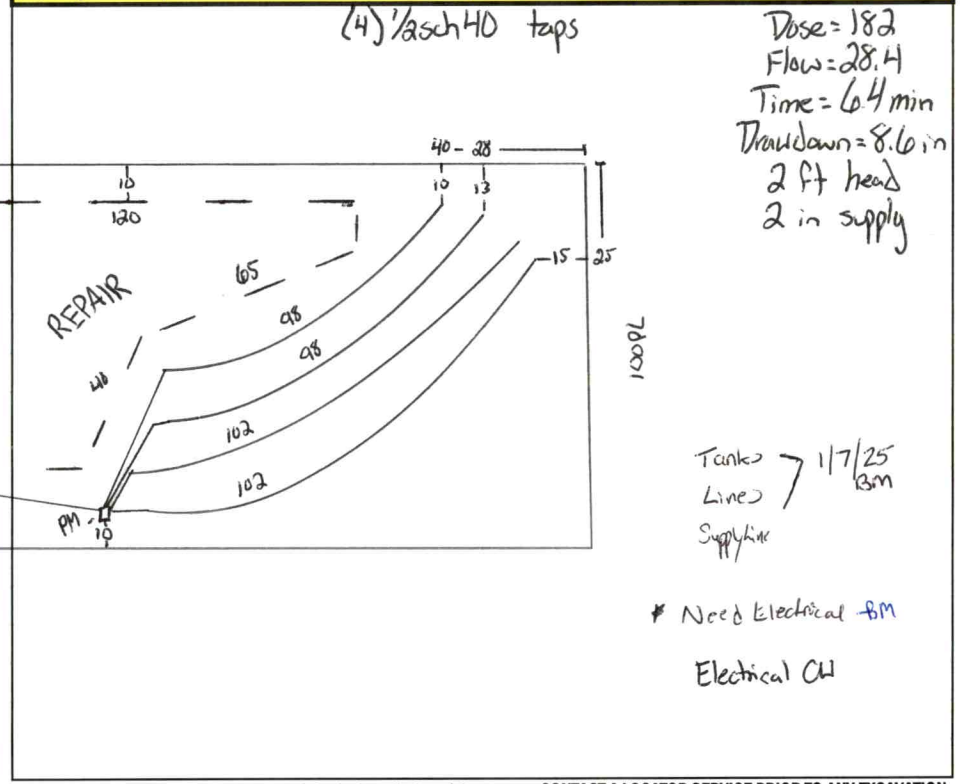
Comments / Conditions: Install on contour. Do not grade, park or drive on septic area.

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:

Installed by: AJ Pope - Gail Excavating

IMPROVEMENT PERMIT by: Date: 4/9/24

OPERATION PERMIT by: Date: 3/6/25

AUTHORIZATION TO CONSTRUCT by: Date: 4/9/24

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? _____ | |

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


PROPERTY ID #: 4776806588
COUNTY: Iredell

Lot 4

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

(Complete all fields in full)

OWNER: Transeat Contraction DATE EVALUATED: 4/4/24
ADDRESS: 13815 Cinnabar Pl
PROPOSED FACILITY: 4 bdr home PROPOSED DESIGN FLOW (.0400): 480 gpd PROPERTY SIZE: .944
LOCATION OF SITE: 170 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 | Linear 8% | 0 - 7 | PLOW SC | SS SP FR SE | – | 48 | Litho inc in CL layer | | .3 PS | 3 |
| | | 7 - 30 | C SBK | SS SP FR SE | | | | | | |
| | | 30 - 48 | CL SBK | SS SP FR SE | | | | | | |
| 2 | Linear 7% | 0 - 7 | PLOW C | SS SP FR SE | – | 48 | Heavy SAP inc in CL layer | | .3 PS | 3 |
| | | 7 - 27 | C SBK | SS SP FR SE | | | | | | |
| | | 27 - 48 | CL SBK | SS SP FR SE | | | | | | |
| 3 | Head 4% | 0 - 9 | PLOW SC | SS SP FR SE | Yellow/Browns 24"+ | 50 | – | – | .25 PS | 2 |
| | | 9 - 28 | C SBK | S P FR SE | | | | | | |
| | | 28 - 50 | CL SBK | S P FR SE | | | | | | |
| 4 | Head 3% | 0 - 18 | SC GR | SS SP FR SE | 10yr 6/4 at 33"+ | 49 | – | – | .225 PS | 2 |
| | | 18 - 39 | C SBK | S P FR SE | | | | | | |
| | | 39 - 49 | CL SBK | S P FR SE | 10yr 6/2 at 44"+ | | | | | |

| DESCRIPTION | INITIAL SYSTEM | REPAIR SYSTEM |
|---|---|---|
| Available Space (.0508) | PS | PS |
| System Type(s) | 25% | 25% |
| Site LTAR | .3 | .225 |
| Maximum Trench Depth | 36 in | 32 in |

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

Comments:

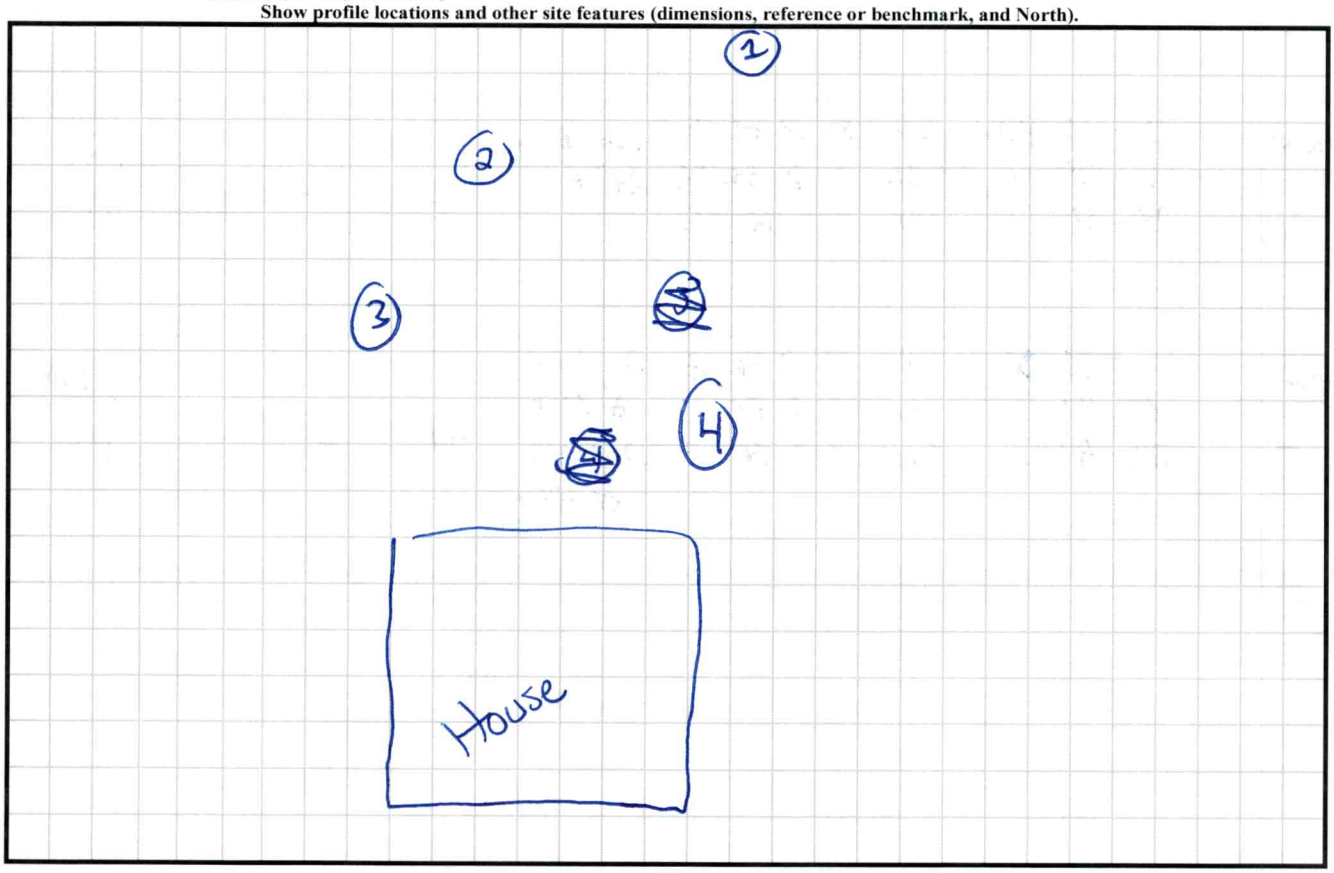
# LEGEND

| 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-2024-47141 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 for 4 bedroom Single Family new construction. Waiting to be surveyed-BM 2/29. PC/PL and HB marked, lot ready -BM 3/20

| | | |
|---|---|---|
| **Parcel:** 4776806588.000 Main | **Address:** 170 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**

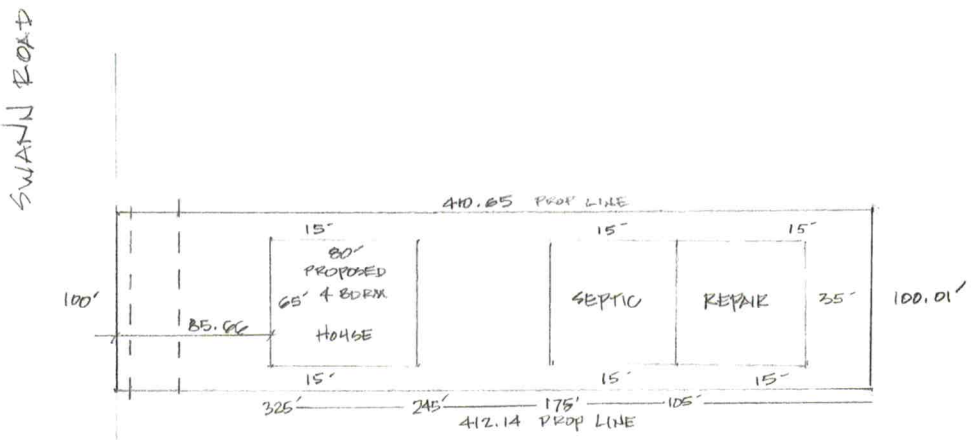
| | | | | | |
|---|---|---|---|---|---|
| How is your site plan being submitted | Custom Site Plan | Septic Application/Permit Type | Improvement Permit | Does the site contain any jurisdictional wetlands | No |
| Non-domestic Sewage Generated | No | Other Public Agency | No | All proposed structure dimensions | 80' x 65' 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 | 0.944 | 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 12:08 | PECORAK, TJ | | Uploaded via CSS |
| Iredell Co Owner Authorization Swan Hill_v1.pdf | 02/15/2024 12:23 | PECORAK, TJ | Available Online | |
| Swan Lot 4 Perc_v1.pdf | 02/15/2024 13:34 | PECORAK, TJ | Available Online | |

| Inspection Number | Status | Inspection Type | Request Date | Scheduled Start Date | Scheduled End Date | Actual Start Date | Actual End Date |
|---|---|---|---|---|---|---|---|
| 2024-199661 | Passed - Permit | OSWP Septic/Well Preliminary Site Visit | 03/21/2024 | 03/20/2024 0:00 | 03/20/2024 0:00 | 03/21/2024 8:22 | 03/21/2024 8:22 |

**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 | |




170 SWANN ROAD

LOT #4

PIN# 477680658B