ICHD - ENVIRONMENTAL HEALTH DIVISION

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

BCkr BLDR 2025-15901

PERMIT : OSWP 2024-47144

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

PIN # 4775 -- 99 -- 4762

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

SITE ADDRESS: ~~1449 Mocksville Hwy~~, Statesville 28625 134 Swan Park PHONE: 703-304-0391 ALT. PHONE -

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

SUBDIVISION: Swann Hills SECTION: - LOT # 17 LOT AREA: 0.608 DESIGN FLOW: 360 gpd L.T.A.R.(Initial): 0.3 L.T.A.R (Repair): 0.3

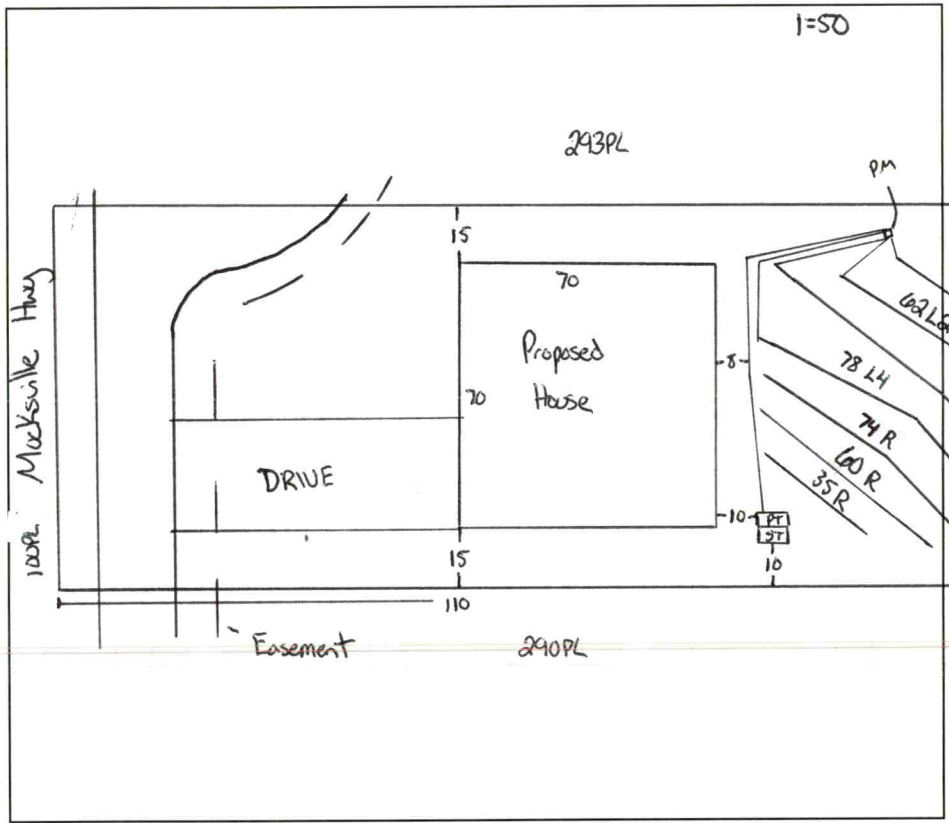
Septic Tank	1000 (gal)	STB	760	Date		☒ New System ☐ Repair ☐ Expansion	System Type: I II (III) IV V VI	☒ Residence	No. Bedrooms 3
Pump Tank	1000 (gal)	PT	363	Date		System Description:	25% reduction	☐ Business	No. Persons 6
Pump Make		Model		Serial #		Repair System Description:	50% reduction	☐ Other	No. Employees
# Nitrification Fields	1	# Lines	4	Linear Ft	300'	Maintenance Agreement Required:	☐ YES ☒ NO	☒ Slab	☐ Crawl Space
Trench Width	36in	*Max. Trench Depth(Initial)	30 in	*Max. Trench Depth(Repair)	30 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): 48 in *Limiting Condition*

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.

L1 - 1/2 sch 80
L2 - 1/2 sch 80
L3 - 3/4 sch 80
L4 - 1/2 sch 40

Dose = 136.5
Flow = 28.17
Time = 4.84
Drawdown = 6.5 in
2 in supply
2 ft head

Lines CW
Tanks
PM 9/17/25

FLOATS
PH SW
ALARM 11/24/25
ELECTRIC

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's Groundworks

IMPROVEMENT PERMIT by: Cory Hill Date: 4/11/24 OPERATION PERMIT by: Sarah Williams Date: 11/24/25

AUTHORIZATION TO CONSTRUCT by: Cory Hill Date: 6/10/25 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 #: 4775994762
COUNTY: Iredell

Lot 17

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

(Complete all fields in full)

OWNER: Transect Construction DATE EVALUATED: 4/3/24
ADDRESS: 13815 Cinnabar Pl
PROPOSED FACILITY: 3 bd/r home PROPOSED DESIGN FLOW (.0400): 360 gpd PROPERTY SIZE: 0.688
LOCATION OF SITE: 1449 Mocksville Hwy, 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 - 10	PLOW SC	SS SP FR SE	-	48	Common SAP inc in CL layer	-	.3 PS	4
		10 - 34	C ABK	SS SP FR SE						
		34 - 48	CL SBK	SS SP FR SE						
2	Linear 10%	0-10	PLOW SC	SS SP SE FR	-	48		-	S 0.3	4
		10-35	C ABK	↓						
		35-48	CL SBK	↓	SAP incl in CL layer					
3	Linear 7%	0 - 8	PLOW C	SS SP SE FR	-	48		-	S 0.3	4
		8 - 32	C ABK	↓						
		32 - 48	CL SBK	↓	SAP incl in CL Layer					
4	Linear 8%	0 - 10	PLOW C	SS SP SE FR	-	48		-	S 0.3	4
		10 - 34	C ABK	↓						
		34 - 48	CL SBK	↓	heavy SAP in CL Layer					

DESCRIPTION	INITIAL SYSTEM	REPAIR SYSTEM
Available Space (.0508)	PS	PS
System Type(s)	25%	50%
Site LTAR	.3	.3
Maximum Trench Depth	36	36

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

Comments: _____

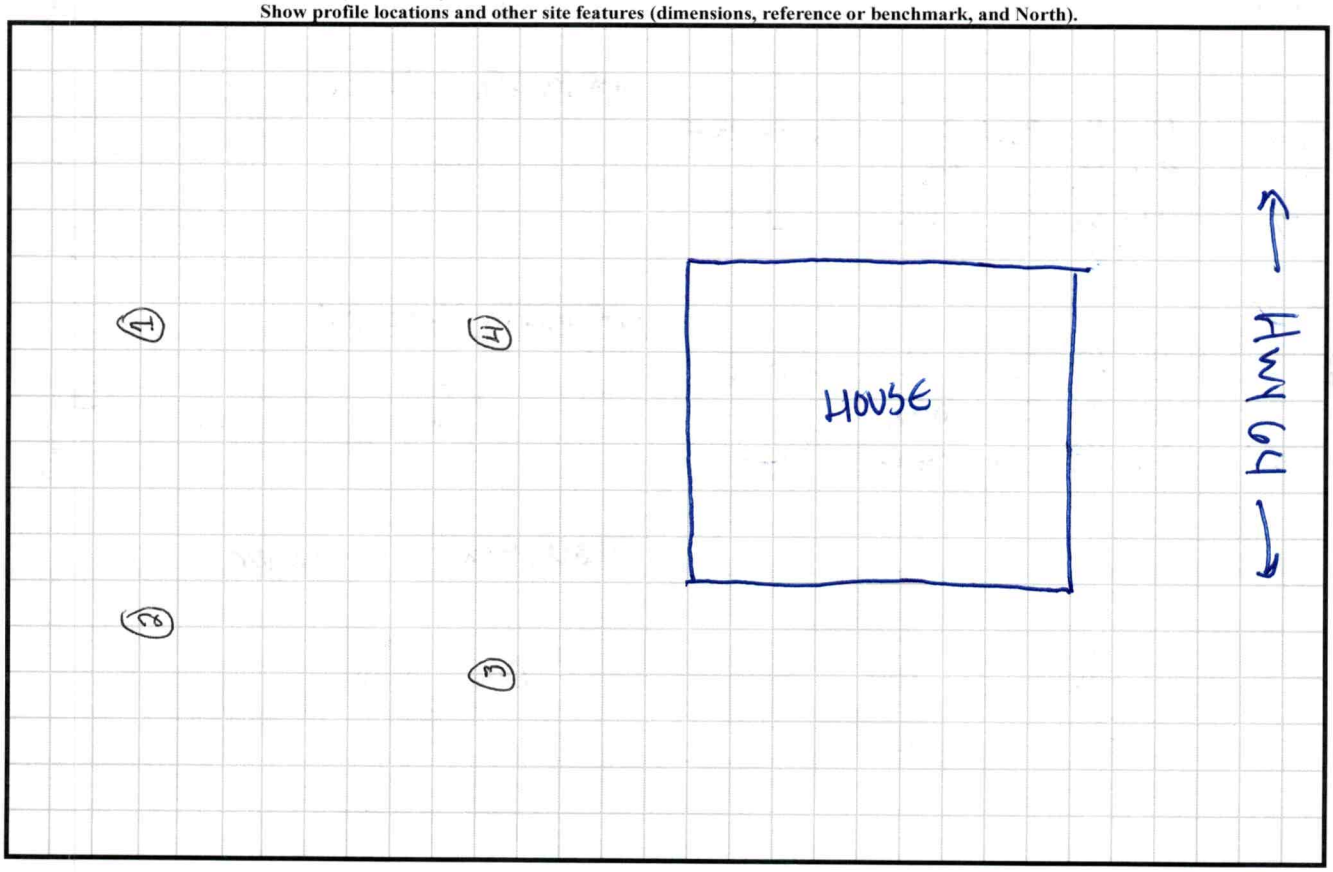
LEGEND

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-2024-47144 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. Site ready 3/26/24

Parcel: 4775994762.000 Main	**Address:** 1449 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	Front Setback	35	Back Setback	35
Left Setback	15	Right Setback	15	Zoning Permit Issued Date	Feb 20 2024 12:00AM
Zoning Permit Expiration Date	Aug 18 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_2/15/2024.jpg	02/15/2024 12:23	PECORAK, TJ		Uploaded via CSS
Iredell Co Owner Authorization Swan Hill_v1.pdf	02/15/2024 12:36	PECORAK, TJ	Available Online	
Swan Lot 17 Perc_v1.pdf	02/15/2024 14:27	PECORAK, TJ	Available Online	

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2024-200904	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	03/26/2024	03/25/2024 0:00	03/25/2024 0:00	03/26/2024 7:57	03/26/2024 7:57

Inspectors: Moore, Bradley (Primary)

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

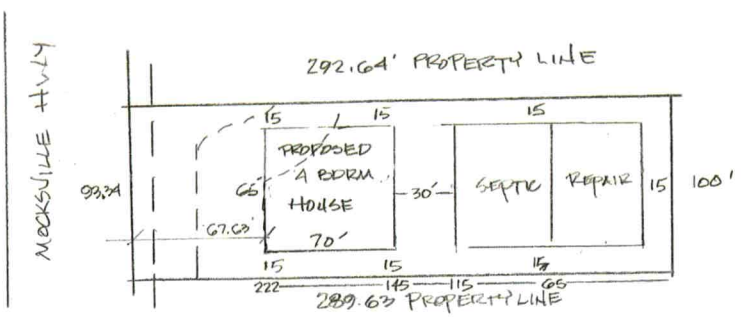
PERMIT SNAPSHOT REPORT (OSWP-2024-47144)

checklist item

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00026883	Iredell Zoning Tech Fee	$2.25	$2.25
	Iredell Zoning Permit Fee	$75.00	$75.00
	New Gravity System	$500.00	$500.00
	Total for Invoice INV-00026883	$577.25	$577.25
	Grand Total for Permit	**$577.25**	**$577.25**

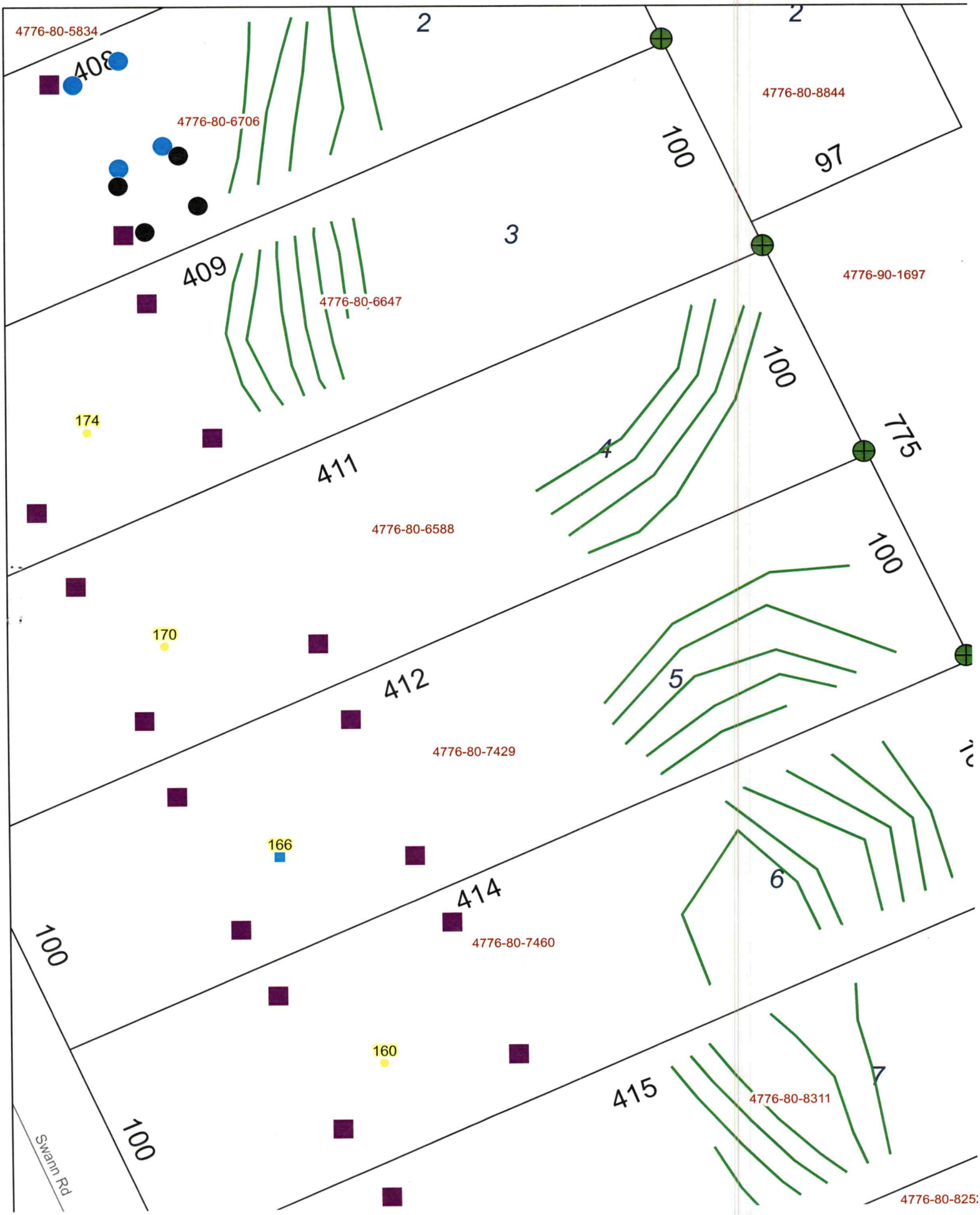
Workflow Step / Action Name	Action Type	Start Date	End Date
Application Completeness Check v.1		02/15/2024 12:36	02/15/2024 12:36
Confirm application complete v.1	Generic Action		02/15/2024 12:36
Fees v.1		02/19/2024 8:16	02/19/2024 8:16
Issue Invoice v.1	Generic Action		02/19/2024 8:16
Fees Paid v.1	Generic Action		02/19/2024 8:16
Zoning Review v.1		02/15/2024 14:32	02/19/2024 11:12
~~Floodplain Admin Overview v.1~~	Task		02/15/2024 14:32
Iredell County Zoning Approval v.1	Task	02/15/2024 14:32	02/19/2024 11:12
Issue Invoice v.1	Generic Action		02/15/2024 14:33
Fees Paid v.1	Generic Action		02/19/2024 8:16
Lot Readiness Verification v.1		03/26/2024 7:57	
OSWP Septic Preliminary Site Visit v.1	Inspection	03/26/2024 7:57	03/26/2024 7:57
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		

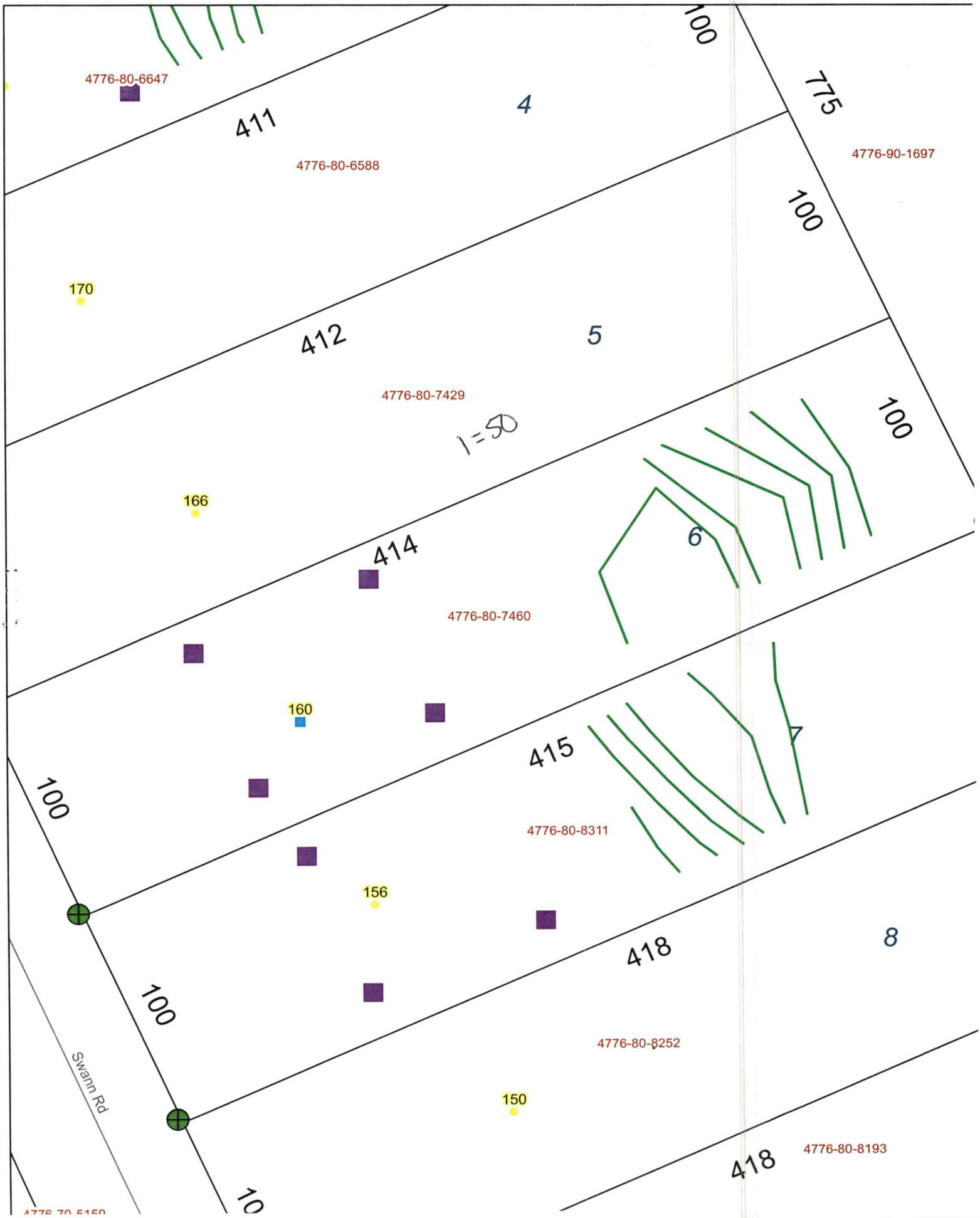
SCALE 1" = 50'



1449 MOCKSVILLE HIGHWAY
LOT 17

PIN# 4775994762


4776-80-5834
408
4776-80-6706
2
2
4776-80-8844
100
97
3
409
4776-80-6647
4776-90-1697
174
411
4
100
775
4776-80-6588
170
100
412
5
4776-80-7429
166
414
6
4776-80-7460
100
160
415
4776-80-8311
7
100
Swann Rd
4776-80-825


4776-80-6647
411
4
4776-80-6588
100
775
4776-90-1697
100
170
412
5
4776-80-7429
1=50
100
166
414
6
4776-80-7460
160
415
7
100
4776-80-8311
156
418
8
100
Swann Rd
4776-80-8252
150
418
4776-80-8193
10