Manf-2025-99734

ICHD - ENVIRONMENTAL HEALTH DIVISION

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

HS

PERMIT : OSWP 2025-77386

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

PIN # 3792 - 64 - 0224

APPLICANT/OWNER: Clayton Homes | APPLICANT ADDRESS: 2026 Northside Dr, Statesville

SITE ADDRESS: 177 Patchwork Dr, Statesville 28677 | PHONE: 704-929-1552 | ALT. PHONE -

SITE DIRECTIONS: Hickory Hwy - Eufola - Patchwork | SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Dirk Kontilia | SECTION: - | LOT # 1 | LOT AREA: 1.156 | DESIGN FLOW: 360 gpd | L.T.A.R.(Initial): 0.3 | L.T.A.R (Repair): 0.25

Septic Tank 1000 (gal) STB 760 Date 10/7/25
Pump Tank (gal) PT Date
Pump Make Model Serial #
Nitrification Fields 1 # Lines 4 Linear Ft 300'
Trench Width 36in *Max. Trench Depth(Initial) 30in *Max. Trench Depth(Repair) 30in Gravel Depth -
* Measured on the downhill side of the trench

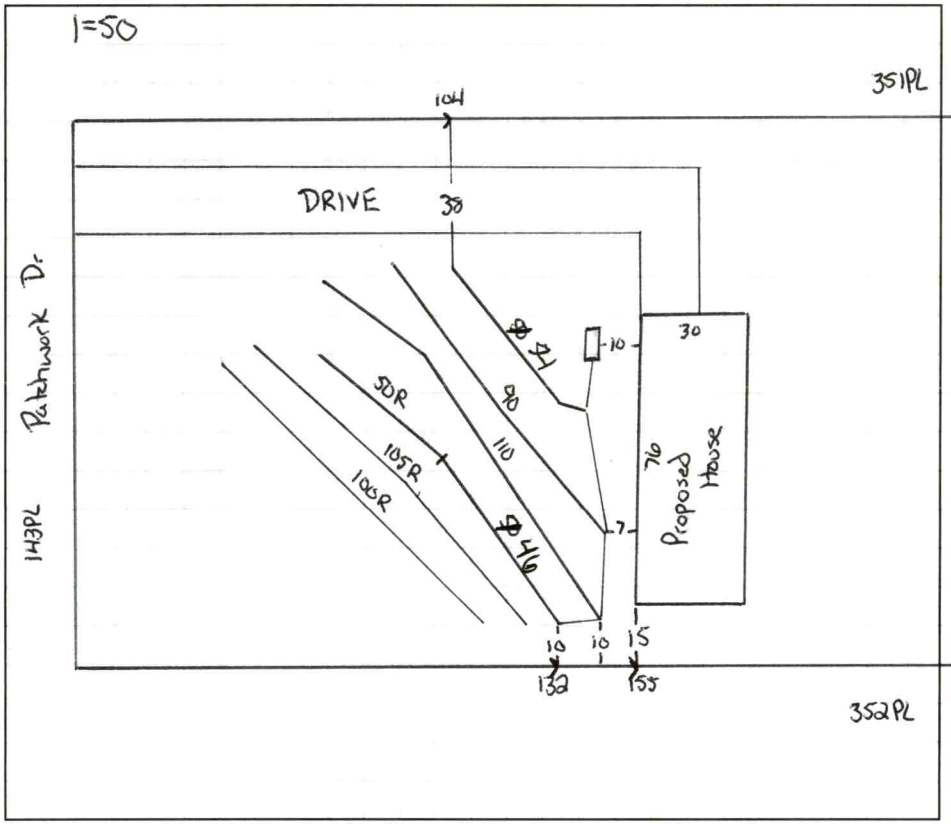
☒ New System ☐ Repair ☐ Expansion System Type: I (II) III IV V VI
System Description: 25% reduction
Repair System Description: 50% reduction
Maintenance Agreement Required: ☐ YES ☒ NO
☒ GRAVITY ☐ PRESSURE
Effluent Standard: ☒ DSE ☐ HSE ☐ TS-I ☐ TS-II ☐ RCW ☐ NSF/ANSI 40
Usable Depth to LC (Initial): 48in

☒ Residence No. Bedrooms 3
☐ Business No. Persons 6
☐ Other No. Employees
☐ Slab ☒ Crawl Space
☐ Basement w/plumbing ☐ Basement w/o plumbing
Usable Depth to LC (Repair): 48in *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.

Installed as Drawn

O. Proposed Well

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: MTB Services

IMPROVEMENT PERMIT by: Cory Hill Date: 7/7/25
OPERATION PERMIT by: Cory Hill Date: 11/6/25

AUTHORIZATION TO CONSTRUCT by: Cory Hill Date: 7/9/25
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 #: 3792640224
COUNTY: Iredell

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

OWNER: Clayton Homes — DATE EVALUATED: 7/3/25
ADDRESS: 2026 Northside Dr
PROPOSED FACILITY: 3 bdr home — PROPOSED DESIGN FLOW (.0400): 360 gpd — PROPERTY SIZE:
LOCATION OF SITE: 177 Patchwork Dr, Statesville — PROPERTY RECORDED: yes
WATER SUPPLY: Public X Single Family Well Shared Well Spring Other — WATER SUPPLY SETBACK: 50'
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	LS 10%	0 - 10	Fill		10yr 6/6 at 17" - 30"	48	-	-	.25 S	4
		10 - 24	C ABK	SS SP FR SE						
		29 - 48	CL SBK	SS SP FR SE						
2	LS 10%	0 - 9	Fill		10yr 6/6 at 30" - 37"	48	-	-	.25 S	4
		9 - 37	C ABK	SS SP FR SE						
		37 - 48	CL SBK	SS SP FR SE						
3	LS 15%	0 - 8	Fill		-	52	Common SAP inc in C & CL layer		.3 S	6
		8 - 28	C SBK	SS SP FR SE						
		28 - 52	CL SBK	SS SP FR SE						
4	LS 15%	0 - 11	Fill		-	50	SAP inc in C & CL layer		.3 S	6
		11 - 24	C SBK	SS SP FR SE						
		24 - 50	CL SBK	SS SP FR SE						

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

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

Comments:

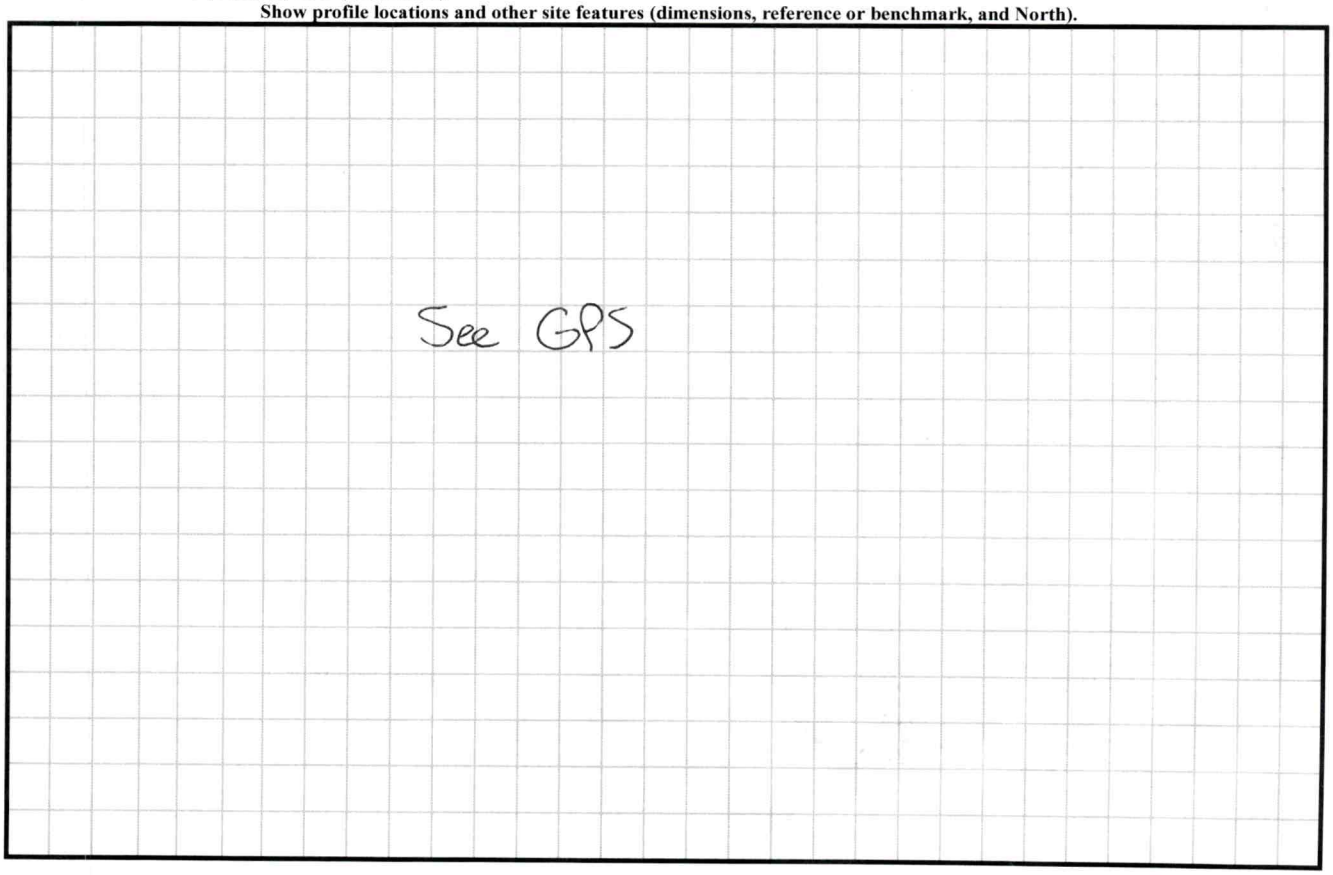
LEGEND

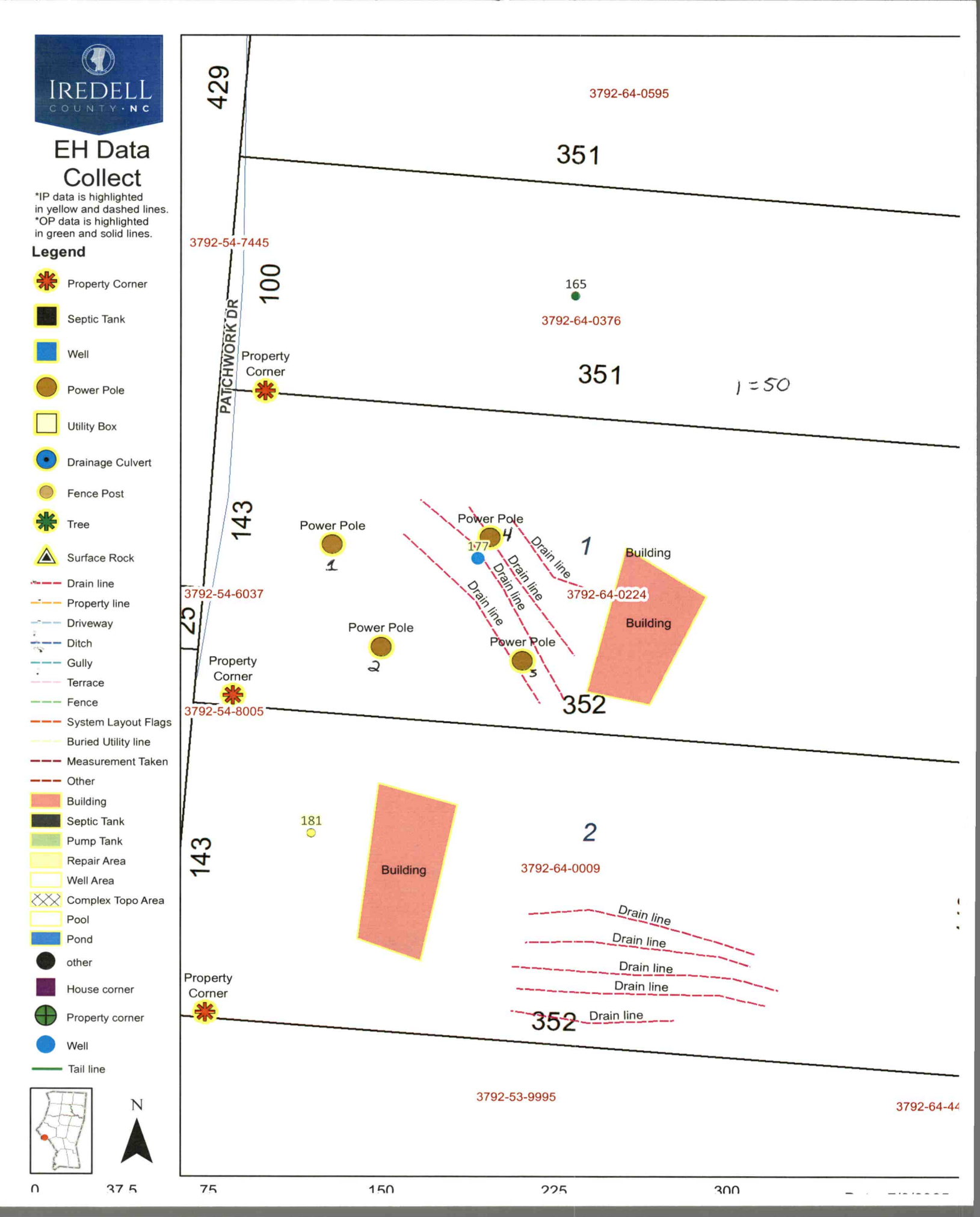
LANDSCAPE POSITION	SOIL GROUP	SOIL TEXTURE	CONVENTIONAL LTAR (gpd/ft²)	SAPROLITE LTAR (gpd/ft²)	LPP LTAR (gpd/ft²)	MINERALOGY/ CONSISTENCE		STRUCTURE
CC (Concave slope)	I	S (Sand)	0.8 - 1.2	0.6 - 0.8	0.4 -0.6	MOIST	WET	SG (Single grain)
CV (Convex Slope)		LS (Loamy sand)		0.5 -0.7		Lo (Loose)	NS (Non-sticky)	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).




IREDELL COUNTY · NC
EH Data Collect
*IP data is highlighted in yellow and dashed lines.
*OP data is highlighted in green and solid lines.
Legend
Property Corner
Septic Tank
Well
Power Pole
Utility Box
Drainage Culvert
Fence Post
Tree
Surface Rock
Drain line
Property line
Driveway
Ditch
Gully
Terrace
Fence
System Layout Flags
Buried Utility line
Measurement Taken
Other
Building
Septic Tank
Pump Tank
Repair Area
Well Area
Complex Topo Area
Pool
Pond
other
House corner
Property corner
Well
Tail line
429
351
3792-64-0595
3792-54-7445
100
165
3792-64-0376
PATCHWORK DR
Property Corner
351
1 = 50
143
Power Pole
1
Power Pole
4
177
Drain line
1
Building
3792-64-0224
Building
3792-54-6037
25
Power Pole
2
Power Pole
3
Property Corner
3792-54-8005
352
181
2
Building
3792-64-0009
143
Drain line
Drain line
Drain line
Drain line
Property Corner
352
Drain line
3792-53-9995
3792-64-44
N
0
37.5
75
150
225
300

PERMIT SNAPSHOT REPORT OSWP-2025-77386 FOR IREDELL COUNTY

Permit Type	Environmental Health OSWP	**Project:**		**App Date:**	06/03/2025
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:	New Doublewide Construction with New Well and New Septic				

Parcel: 3792640224.000 Main	**Address:** 177 Patchwork Dr Statesville, NC 28677 Main	**Zone:** RA(Residential Agricultural District)

Property Owner	Applicant/Authorized Agent
Dirk Kancilia	CLAYTON HOMES #72
Home: (704) 928-8981	2026 NORTHSIDE 2026 NORTHSIDE DR
	STATESVILLE, NC 28677
	Mobile: (704) 929-1552

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	28x64
What are the proposed structures	New Single-Family Residence - Mobile Home	Type of New Single-Family Residence	Mobile Home	Maximum Number of Bedrooms	3
If other Addition/Structure, please explain		Number of Occupants	4	Foundation Type	Crawl Space Foundation
Residential/Business/Other	Residential	Water Supply	New Well	Desired Septic System Type	Conventional (most common)
If other septic system type, please explain		Permit type(s)	Authorization to Construct, Improvement Permit with Site Plan	Has this project been approved by TRC	No
Lot Acreage	1.156	Front Setback	35	Back Setback	35
Left Setback	15	Right Setback	15	Zoning Permit Issued Date	Jun 26 2025 12:00AM
Zoning Permit Expiration Date	Dec 23 2025 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	Zoning Notes/Addendums	REQUIREMENTS FOR AL MULTI -SECTIONAL MOBILE HOMES Must meet requirement R9 of the LDC. Minimum size of main body is at least 22 feet by 40 feet; Must have standard residential shingles; Minimum of 3/12 roof pitch; Must have continuous masonry underpinning; Must have minimum roof eave and raker projections of 6 inches; Must have a 36 square foot deck or porch at all front entrances; Exterior siding must consist of vinyl or		aluminum lap siding, wood, or hardboard, comparable in composition, appearance and durability to residential siding; Must remove towing apparatus; Must face front property line and be no more than 20 degrees from parallel to the front property line. Original mobile home must be removed before Certificate of Occupancy can be approved.

PERMIT SNAPSHOT REPORT (OSWP-2025-77386)

Additional Unique Setbacks Apply	No	Watershed	NOT IN A WATERSHED

Attachment File Name	Added On	Added By	Attachment Group	Notes
Signature_ADAM_CASSTEVENS_6/3/2025.jpg	06/03/2025 9:22	CASSTEVENS, ADAM		Uploaded via CSS
B1-Authorize to Act as Agent_v1.pdf	06/24/2025 12:53	CASSTEVENS, ADAM	Available Online	
Soil Eval Patchwork_v1.pdf	06/24/2025 12:53	CASSTEVENS, ADAM	Available Online	
A1-Site Plan_v1.pdf	06/25/2025 7:06	CASSTEVENS, ADAM	Available Online	

Inspection Number	Status	Inspection Type	Request Date	Scheduled Start Date	Scheduled End Date	Actual Start Date	Actual End Date
2025-316361	Passed - Permit	OSWP Septic/Well Preliminary Site Visit	06/27/2025			06/27/2025 15:29	06/27/2025 15:29

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	

Invoice No.	Fee	Fee Amount	Amount Paid
INV-00046477	New Gravity System	$500.00	$500.00
	Iredell Zoning Tech Fee	$2.25	$2.25
	Iredell Zoning Permit Fee	$75.00	$75.00
	Total for Invoice INV-00046477	$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		06/24/2025 12:53	06/24/2025 12:53
Confirm application complete v.1	Generic Action		06/24/2025 12:53
Zoning Review v.1		06/25/2025 7:17	06/26/2025 11:04
~~Floodplain Admin Overview v.1~~	Task		06/25/2025 7:17
Iredell County Zoning Approval v.1	Task	06/25/2025 7:17	06/25/2025 7:17
Issue Invoice v.1	Generic Action		06/25/2025 7:17
Fees Paid v.1	Generic Action		06/26/2025 11:04
Fees v.1		06/25/2025 7:17	06/26/2025 11:04
Issue Invoice v.1	Generic Action		06/25/2025 7:18
Fees Paid v.1	Generic Action		06/26/2025 11:04
Lot Readiness Verification v.1		06/27/2025 15:29	
OSWP Septic Preliminary Site Visit v.1	Inspection	06/27/2025 15:29	06/27/2025 15:30
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		

Iredell County, North Carolina

June 3, 2025



Tax Map Information

• PIN	3792640224.000
• Address	
• Account #	Acct
• Tax Owner	
• Mailing Address	
•	,
• GIS Owner	ROCKY MOUNTAIN MINISTRIES TR
• Deed Info	3073 / 1563 - WD - 20240717
• Tax Acres	1.156
• Lot #	1
• Description	DIRK KANCILIA PB85-88
• Zoning	
• Old Parcel #	
• Bldg Value	$0
• OBXF Value	$0
• Land Value	$0
• Total Value	$0
• Defer Value	$0
• Tax Districts	- - -

IREDELL NC

MAP FOR REFERENCE ONLY
NOT A LEGAL DOCUMENT

Iredell County, North Carolina makes no claims and no warranties, expressed or implied, concerning the validity or accuracy of the GIS data presented on this map.

Geometry updated 03/31/2025
Data updated 03/14/2025

Print map scale is approximate. Critical layout or measurement activities should not be done using this resource.