MW

BLDR-2023-23333

# ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 Mooresville Office (704) 660-3625 PERMIT # 2023-23325

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

PIN # 4706 -- 53 -- 0834

APPLICANT/OWNER: Hyde Homes LLC APPLICANT ADDRESS: 387 Woodbridge Rd, Statesville

SITE ADDRESS: 109 Ridge Run Dr, Statesville 28625 PHONE: 704-201-9935 ALT. PHONE -

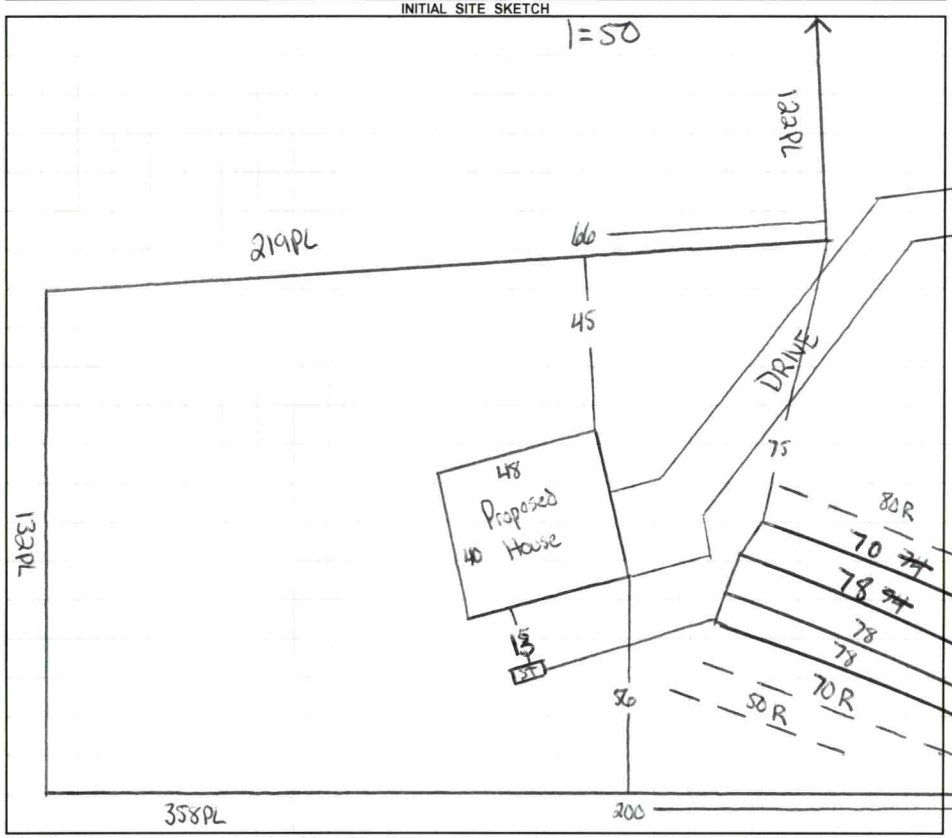
SITE DIRECTIONS: Taylorsville Hwy - Robertson - Ridge Run SAP CONTROLLED: ☐ YES ☒ NO

SUBDIVISION: Ridgewest Estates SECTION: - LOT # 8-9 LOT AREA: 1.608 acres DESIGN FLOW: 360 gpd L.T.A.R.: 0.3

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Septic Tank | 1000 | (gal) | STB 760 | Date 7/23/23 | ☒ New System | ☐ Repair | ☐ Expansion | System Type: I II III IV V VI | ☒ Residence | No. Bedrooms 3 | Water Supply |
| Pump Tank | | (gal) | PT | Date | System Description: 25% reduction | | | | ☐ Business | No. Persons 6 | ☐ Private |
| Pump Make | | Model | | Serial # | Repair System Description: 50% reduction | | | | ☐ Other | No. Employees | ☒ Public |
| # Nitrification Fields | 1 | # Lines | 4 | Linear Ft 300' | Maintenance Agreement Required: | ☐ YES | ☒ NO | | ☐ Slab | ☒ Crawl Space | ☐ Community |
| Trench Width | 36 in | Trench Bottom Depth(Low side) | 28 in | Gravel Depth - | | ☒ GRAVITY | ☐ PRESSURE | | ☐ Basement w/ plumbing | | ☐ Basement w/o plumbing |

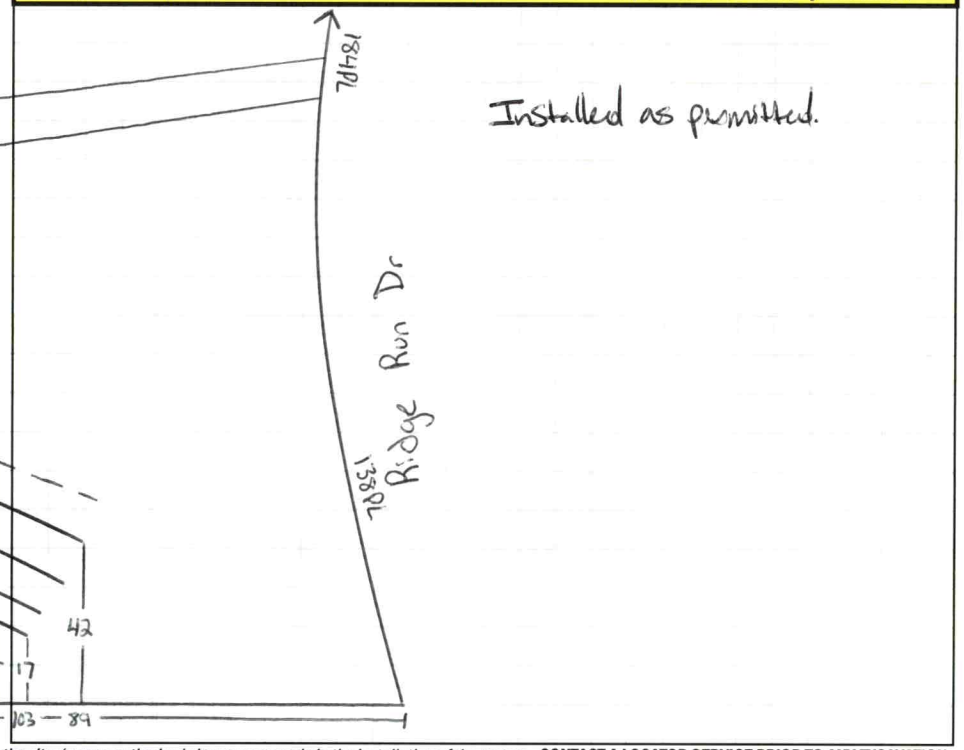
Comments / Conditions: Install on contour with the land. Do not grade, park, or drive on septic area. Do not exceed 36" max trench bottom.

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: Jake Williams

IMPROVEMENT PERMIT by: Cory Whit Date: 5/24/23 OPERATION PERMIT by: Benjamin A Bell Date: 8/6/2023

AUTHORIZATION TO CONSTRUCT by: Cory Whit Date: 5/24/23 Existing System Inspected by: Date:

FOR SEPTIC FINAL INSPECTION: CALL 704-664-3703 between 8am-9am the day the inspection is needed.

| 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? _____ | |

Sheet 1 of 1
PROPERTY ID #: 4726530834
COUNTY: Iredell

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

OWNER: Hyde Homes LLC
ADDRESS: 387 Woodbridge Rd
PROPOSED FACILITY: 3 bd/r home
PROPOSED DESIGN FLOW (.1949): 360 gpd
LOCATION OF SITE: 109 Ridge Run
WATER SUPPLY: Private X Public Well Spring Other
EVALUATION METHOD: Auger Boring X Pit Cut
TYPE OF WASTEWATER: X Sewage Industrial Process Mixed

APPLICATION DATE 4/26/23
DATE EVALUATED: 5/18/23
PROPERTY SIZE: 1.608 acres
PROPERTY RECORDED: yes

| 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 15% | 0 - 24 | C SBK | SS SP FR SE | - | 48 | - | - | .3 PS |
| | | 24 - 48 | CL SBK | SS SP FR SE | | | | | |
| 2 | Linear 14% | 0 - 8 | Fill | | - | 48 | Litho inc at 43" | - | .3 PS |
| | | 8 - 28 | C SBK | SS SP FR SE | | | | | |
| | | 28 - 48 | CL SBK | SS SP FR SE | | | | | |
| 3 | Linear 15% | 0 - 21 | C SBK | SS SP FR SE | - | 48 | Heavy Litho inc at 32" | | .3 PS |
| | | 21 - 48 | CL WSBK | SS SP FR SE | | | | | |
| 4 | Linear 10% | 0 - 22 | C SBK | SS SP FR SE | - | 50 | Heavy Litho inc at 37" | | .3 PS |
| | | 22 - 50 | CL WSBK | SS SP FR SE | | | | | |

| DESCRIPTION | INITIAL SYSTEM | REPAIR SYSTEM |
|---|---|---|
| Available Space (.1945) | PS | PS |
| System Type(s) | 25% | 50% |
| Site LTAR | .3 | .3 |

OTHER FACTORS (.1946):
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.

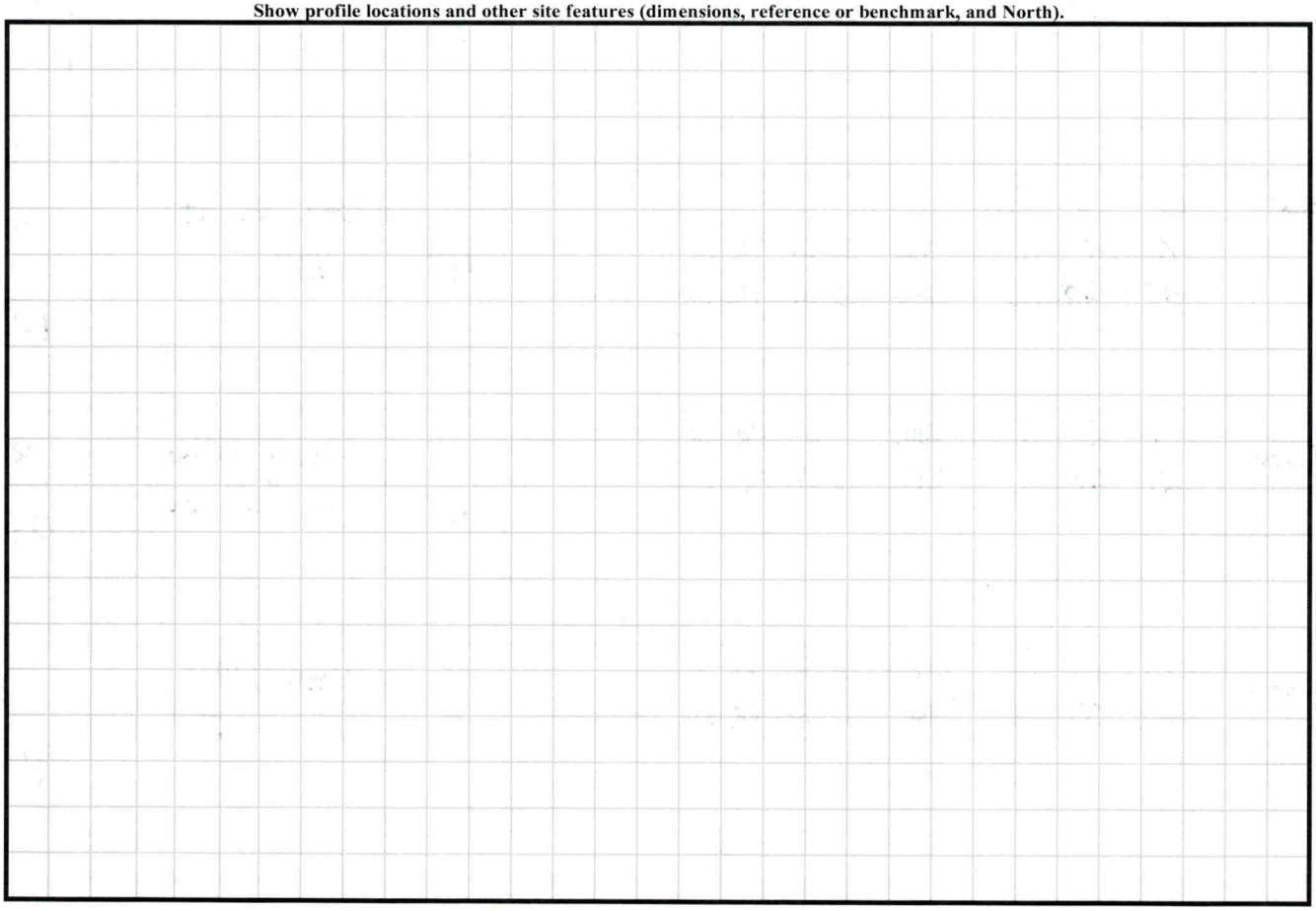
***NOTES***

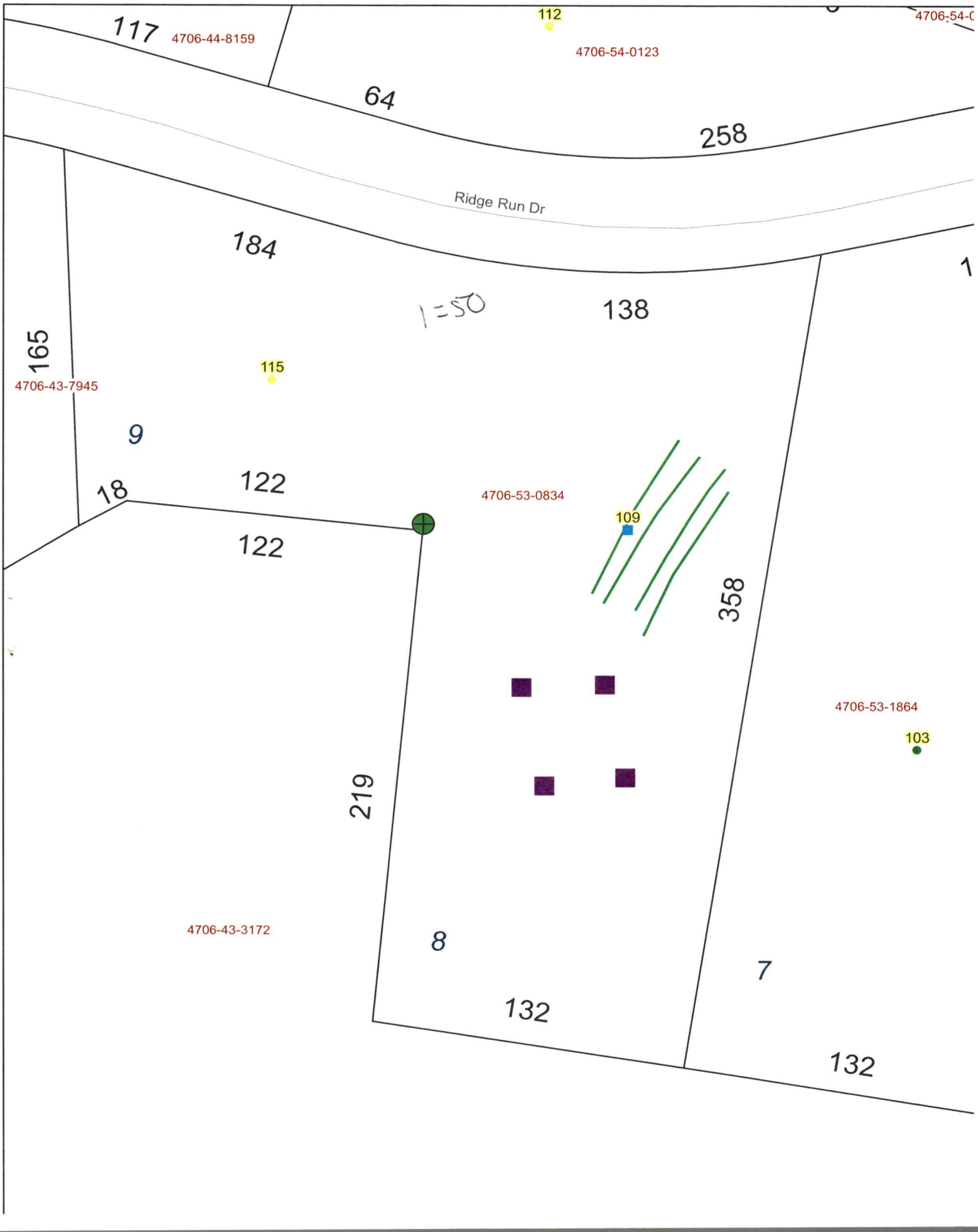
| | |
|---|---|
| *HORIZON DEPTH* | In inches below natural soil surface |
| *DEPTH OF FILL* | In inches from land surface |
| *RESTRICTIVE HORIZON* | Thickness and depth from land surface |
| *SAPROLITE* | S(suitable) or U(unsuitable) |
| *SOIL WETNESS* | Inches from land surface to free water or inches 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).**




117
4706-44-8159
112
4706-54-0123
64
258
Ridge Run Dr
184
1=50
138
165
115
4706-43-7945
9
18
122
122
4706-53-0834
109
358
4706-53-1864
103
219
4706-43-3172
8
7
132
132

# PERMIT SNAPSHOT REPORT OSWP-2023-23325 FOR IREDELL COUNTY

**Permit Type:** Environmental Health OSWP
**Work Class:** EH Septic Permit
**Status:** In Progress
**Valuation:** $0.00
**Project:**
**District:** Iredell County
**Square Feet:** 0.00
**Assigned To:** Whicker, Cory
**App Date:** 04/26/2023
**Exp Date:** NOT AVAILABLE
**Completed:** NOT COMPLETED
**Approval Expire Date:**

**Description:** New septic NEED IP/AC- Jake to be early to pits to remove briars and small underbrush from proposed septic area per Joe Hyde- SH 5/10/23 LINKED: BLDR-2023-23333
3 bedroom home

**Parcel:** 4706530834.000 Main
**Address:** 109 Ridge Run Dr Main
Statesville, NC 28625
**Zone:** R-20(Suburban Residential District)

Property Owner
Hyde Homes, LLC
387 Woodbridge Rd 129
WHISPER PINE RD.
Statesville, NC 28625
Business: (704) 201-9935

Applicant/Authorized Agent
Hyde Homes, LLC
387 Woodbridge Rd 129
WHISPER PINE RD.
Statesville, NC 28625
Business: (704) 201-9935

**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 | 40'-0" x 47'-8" |
| What are the proposed structures | New Single Family Residence | Maximum Number of Bedrooms | 3 | If other Addition/Structure, please explain | |
| Number of Occupants | 6 | Foundation Type | Crawl Space Foundation | Water Supply | Other Public Water |
| Desired Septic System Type | Conventional (most common) | Has this project been approved by TRC | No | Lot Acreage | 1.608 |
| Front Setback | 35 | Back Setback | 35 | Left Setback | 15 |
| Right Setback | 15 | Zoning Permit Issued Date | May 8 2023 12:00AM | Zoning Permit Expiration Date | Nov 4 2023 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_Joseph_Hyde_4/26/2023.jpg | 04/26/2023 11:47 | Hyde, Joseph | | Uploaded via CSS |
| Autorize _v1.pdf | 04/28/2023 9:54 | Nebel, Barbara | Available Online | Authorize to Act as Agent |
| 384786_8538_CP_v1.pdf | 05/05/2023 14:22 | Kendrick, Brandi | Available Online | Floor Plan(s) |
| Scan2023-04-26_105502_v1.pdf | 05/05/2023 14:22 | Kendrick, Brandi | Available Online | Additional Supporting Information |
| Site plan_v1.pdf | 05/05/2023 14:22 | Kendrick, Brandi | Available Online | Site Plan |

| Inspection Number | Status | Inspection Type | Request Date | Scheduled Start Date | Scheduled End Date | Actual Start Date | Actual End Date |
|---|---|---|---|---|---|---|---|
| 2023-90475 | Passed - Permit | OSWP Septic/Well Preliminary Site Visit | 05/10/2023 | 05/10/2023 0:00 | 05/10/2023 0:00 | 05/10/2023 7:25 | 05/10/2023 7:25 |

**Inspectors:** Holland, Sydney (Primary)

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

| Linked Record Relationship | Module | Record Number | Linked Record Type | Linked Record Work Class |
|---|---|---|---|---|
| Parent | Permit | BLDR-2023-23333 | Residential Building | New Single-Family Dwelling |

# PERMIT SNAPSHOT REPORT (OSWP-2023-23325)

| Invoice No. | Fee | | Fee Amount | Amount Paid |
|---|---|---|---|---|
| INV-00013478 | 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-00013478 | $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** | | 04/28/2023 9:39 | 04/28/2023 9:54 |
| Confirm application complete v.1 | Generic Action | | 04/28/2023 9:54 |
| **Fees v.1** | | 05/05/2023 14:22 | 05/08/2023 15:34 |
| Issue Invoice v.1 | Generic Action | | 05/05/2023 14:22 |
| Fees Paid v.1 | Generic Action | | 05/08/2023 15:34 |
| **Zoning Review v.1** | | 04/28/2023 9:39 | 05/08/2023 15:35 |
| ~~Floodplain Admin Overview v.1~~ | Task | | 05/08/2023 15:35 |
| Iredell County Zoning Approval v.1 | Task | 04/28/2023 9:39 | 05/08/2023 15:35 |
| Issue Invoice v.1 | Generic Action | | 05/08/2023 15:35 |
| Fees Paid v.1 | Generic Action | | 05/08/2023 15:35 |
| **Lot Readiness Verification v.1** | | 05/10/2023 7:25 | |
| OSWP Septic Preliminary Site Visit v.1 | Inspection | 05/10/2023 7:25 | 05/10/2023 7:25 |
| 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 HEALTH DEPARTMENT

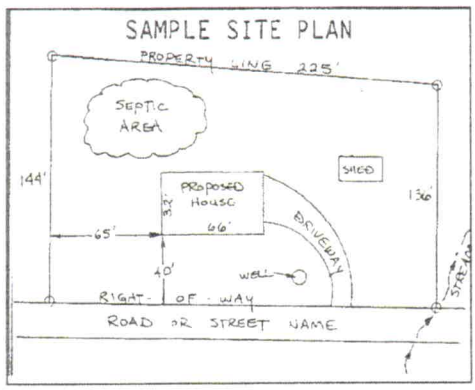
*ENVIRONMENTAL HEALTH DIVISION*

PAGE 2: *SITE PLAN WORKSHEET*

**SEE THE "SAMPLE SITE PLAN" BELOW. *INCOMPLETE SITE PLANS WILL BE RETURNED TO YOU FOR COMPLETION AND MAY RESULT IN A DELAY IN THE ISSUANCE OF YOUR SEPTIC SYSTEM PERMIT!!!***

**Place an (X) beside each item as you complete the site plan:**

( ) Property Line measurements are clearly identified
( ) All proposed structures are indicated
( ) Front and side setbacks from property line
( ) Preferred driveway location and well location
( ) Area you prefer your septic system to be placed
( ) North arrow, or other sufficient indicator of direction

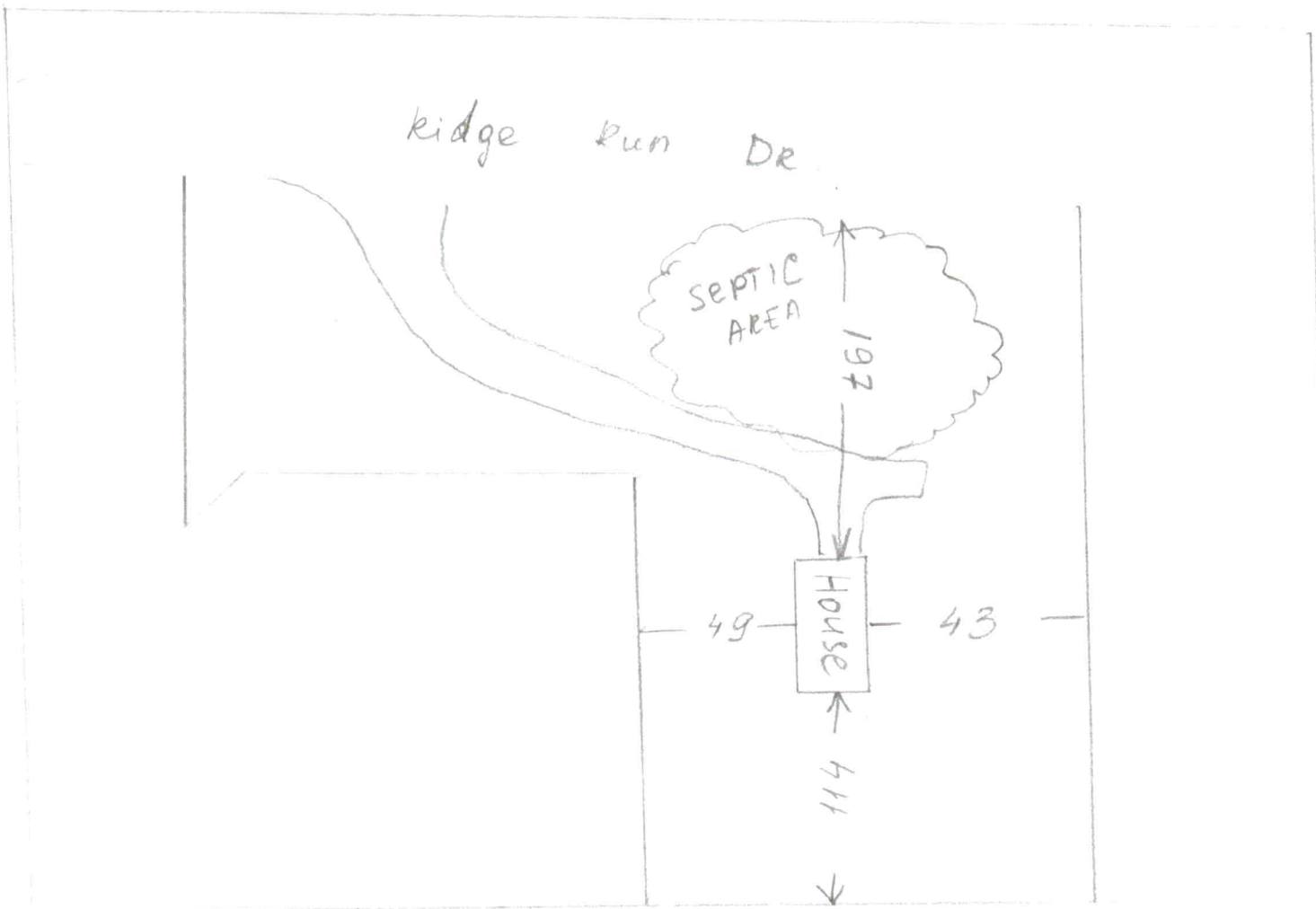



**Circle N/A on the following if appropriate:**

| | |
|---|---|
| Location of septic systems and wells within 100' of your property | N/A |
| Location of easements and rights of ways on your property | N/A |
| Location of any designated wetlands on the property | N/A |

## USE THIS SPACE TO DRAW YOUR SITE PLAN

*Show: proposed house or business footprint, wells, water lines, patios, pools and decks, and any other item that will occupy space on the site*




**Signature:** _____ _____

Property owner or owner's legal representative signature (SIGNATURE REQUIRED) DATE