# ICHD - ENVIRONMENTAL HEALTH DIVISION

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

SW

PERMIT : OSWP 2024-066727

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

PIN # 4764-68-7046

APPLICANT/OWNER: Kevin Bell | APPLICANT ADDRESS: 347 Bell Farm Rd, Statesville 28625

SITE ADDRESS: 347 Bell Farm Rd, Statesville 28625 ✓ | PHONE: 704-880-5355 | ALT. PHONE —

SITE DIRECTIONS: Mocksville Hwy - @ Bell Farm - Lot on (L) | SAP CONTROLLED: ☐ YES ☑ NO

SUBDIVISION: — | SECTION: — | LOT # — | LOT AREA: 100.7 | DESIGN FLOW: 360gpd | L.T.A.R.(Initial): — | L.T.A.R (Repair): .3

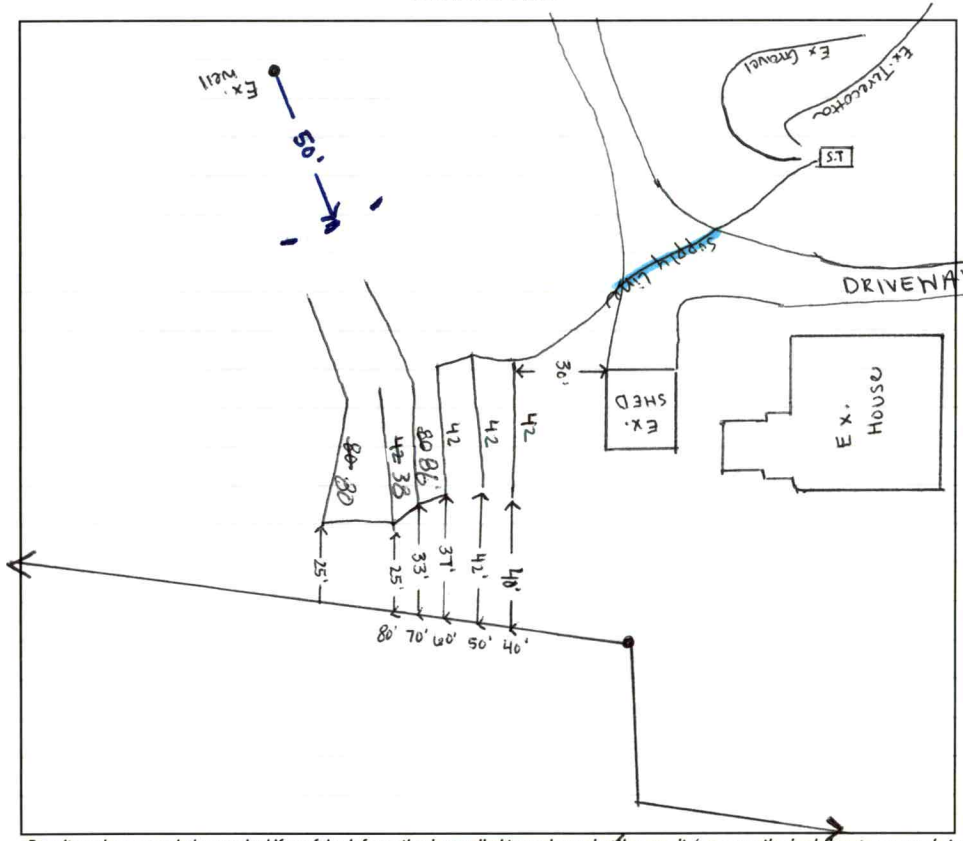
| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Septic Tank | 1000 | (gal) | STB EXT | Date EXT | ☐ New System | ☑ Repair | ☐ Expansion | System Type: I (II) III IV V VI | ☑ Residence | No. Bedrooms 3 | Water Supply |
| Pump Tank | | (gal) | PT | Date | System Description: | | | | ☐ Business | No. Persons 6 | ☑ Private |
| Pump Make | | Model | | Serial # | Repair System Description: 25% Reduction | | | | ☐ Other | No. Employees | ☐ Public |
| # Nitrification Fields | 1 | # Lines | 6 | Linear Ft 328' | Maintenance Agreement Required: | ☐ YES | ☑ NO | | ☐ Slab | ☑ Crawl Space | ☐ Community |
| Trench Width | 36" | *Max. Trench Depth(Initial) | — | *Max. Trench Depth(Repair) 33" | 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): — | Usable Depth to LC (Repair): 48" | *Limiting Condition*

Comments / Conditions: Disconnect from all existing septic fields. New supply line must be sleeved in ductile iron or 30" under driveway. Replace existing septic tank IF NEEDED.

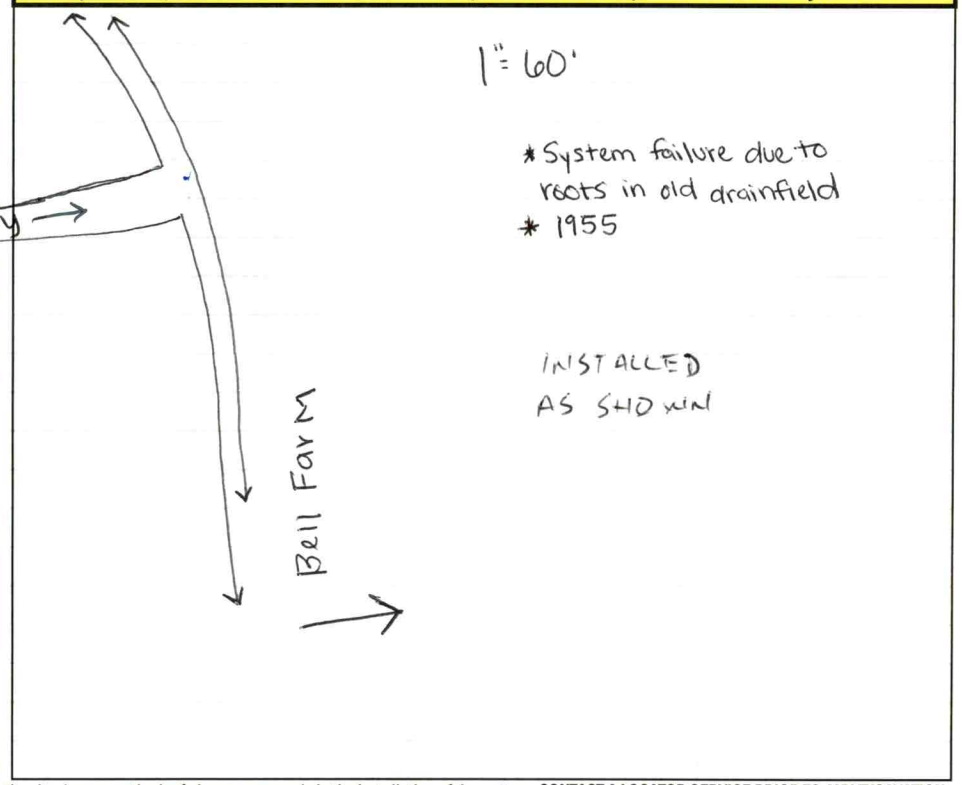
Do not pave, grade, park, drive, or bury utilities in drainfield.

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.*

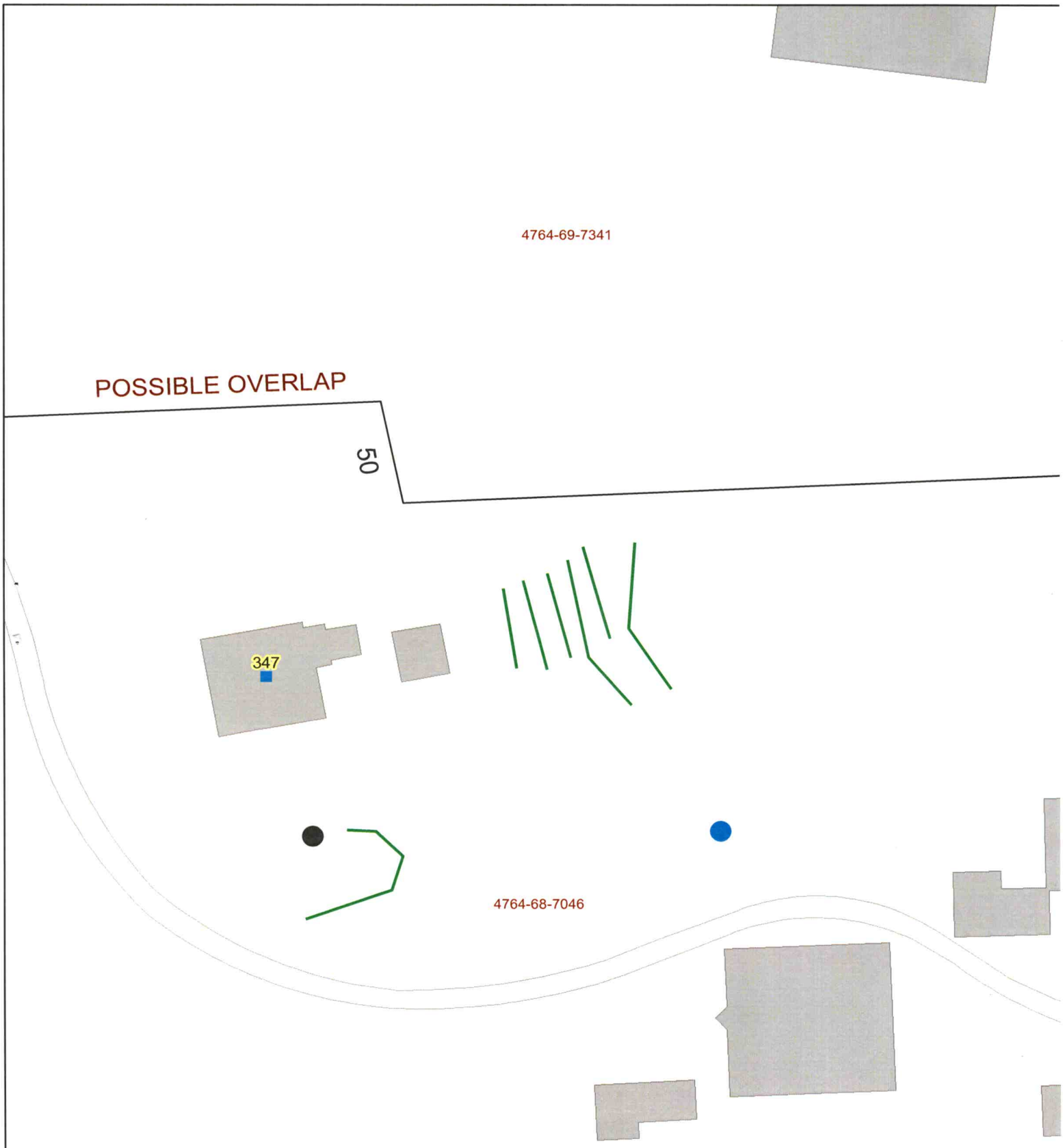
Owner / Applicant Signature: Online | Date: — | Installed by: WASTEMANAGEMENT PROS OF SOUTHEAST

IMPROVEMENT PERMIT by: Sydney Holland | Date: 2/5/25 ✓ | OPERATION PERMIT by: Bryant C. White | Date: 2-10-2025 ✓

AUTHORIZATION TO CONSTRUCT by: Sydney Holland | Date: 2/5/25 ✓ | 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? _____ | |


4764-69-7341
POSSIBLE OVERLAP
50
347
4764-68-7046

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

[Repair]


PROPERTY ID #: 476468704l6
COUNTY: Iredell

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

OWNER: Kevin Bell DATE EVALUATED: 2/4/25
ADDRESS: 347 Bell Farm, Statesville
PROPOSED FACILITY: 3BR PROPOSED DESIGN FLOW (.0400): 360 gpd PROPERTY SIZE: 100.7
LOCATION OF SITE: 347 Bell Farm, Statesville PROPERTY RECORDED: yes
WATER SUPPLY: Public (Single Family Well) Shared Well Spring Other _____ WATER SUPPLY SETBACK: -
EVALUATION METHOD: (Auger Boring) (Pit) Cut TYPE OF WASTEWATER: 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 | | 0-8 | SCL / SBK | SS-SP-FR-SE | 2.5Y 7/2 @ 13" YIB thru out Few discont. rock | | — | — | U | |
| | | 8-42 | C / ABK | ↓ | | | | | | |
| | | 42-48 | CL/ABK | ↓ | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| 2 | | 0-8 | | | | | | | | |
| | | 8-41 | | | | | | | | |
| | | 41-48 | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| 3 | | 0-17 | Plow | SS-SP-FR-SE | 5Y 8/2 @ 30"+ Sap (heavy) inc. thruout Redox 30"+ | 30" | | | .3 above 30 | |
| | | 17-37 | C / ABK | ↓ | | | | | | |
| | | 37-60 | CL/ABK | ↓ | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| 4 | | 0-17 | C / ABK | SS-SP-FR-SE | 5Y 8/2 @ 28"+ | 28" | | | | |
| | | 17-56 | CL / ABK | ↓ | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

| DESCRIPTION | INITIAL SYSTEM | REPAIR SYSTEM |
|---|---|---|
| Available Space (.0508) | — | 328 |
| System Type(s) | - | 257. |
| Site LTAR | - | .275 |
| Maximum Trench Depth | - | |

SITE CLASSIFICATION (.0509): S
EVALUATED BY: S. Holland
OTHER(S) PRESENT: B. Botkins

Comments: _____

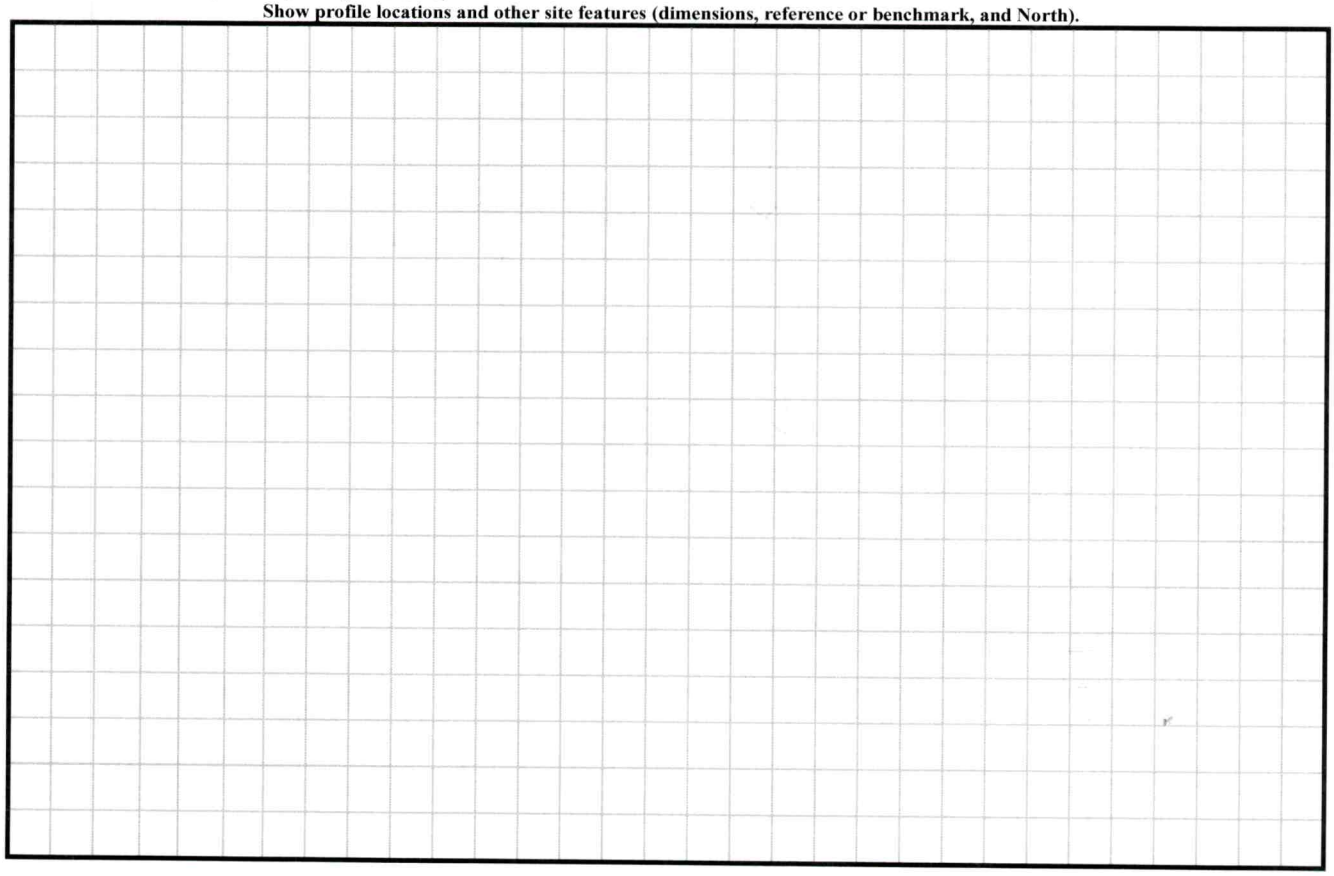
# LEGEND

| 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).**



347 Bell Farm

# SOIL/SITE EVALUATION

*(Continuation Sheet-Complete all field in full)*



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

[Repair]

PROPERTY ID #: 4764687046
DATE OF EVALUATION: 2/4/25
COUNTY: Iredell

| 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 | OTHER PROFILE FACTORS .0506 SOIL DEPTH | OTHER PROFILE FACTORS .0507 SAPRO CLASS | OTHER PROFILE FACTORS .0508 RESTR HORIZ | .0509 PROFILE CLASS & LTAR* | .0503 SLOPE CORRECTION |
|---|---|---|---|---|---|---|---|---|---|---|
| | 7% | 0-25 | C / ABK | SS-SP-FR-St | 7.5y 6/3 @ 42" | | | | .3 | 3" |
| | | 25-48 | CL/ABK | ↓ | | | | | | |
| | 5% | 0-30 | C / ABK | SS-SP-FR-SE | 7.5y 6/4 & 5/4 @ 27" 2.5y 6/4 @ 31" 2.5y 7/3 @ 35" 10yR 7/2 @ 36" | 36" | – | – | .275 | |
| | | 30-48 | CL/WABK | ↓ | | | | | | |

COMMENTS:

# PERMIT SNAPSHOT REPORT OSWP-2024-66727 FOR IREDELL COUNTY

| | | | | | |
|---|---|---|---|---|---|
| **Permit Type** | Environmental Health OSWP | **Project:** | | **App Date:** | 12/12/2024 |
| **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:** | Holland, Sydney | **Approval Expire Date:** | |
| **Description:** | Drain lines filled with tree roots | | | | |

| | | |
|---|---|---|
| **Parcel:** 4764687046.000 Main | **Address:** 347 Bell Farm Statesville, NC 28625 Main | **Zone:** R-20(Suburban Residential District) |

Property Owner
SHIRLEY H BELL

Applicant/Authorized Agent
Kevin Bell
347 Bell Farm Rd
Statesville, NC 28625
Home: (704) 880-5355
Mobile: (704) 880-5355

**Permit Custom Fields**

| | | | | | |
|---|---|---|---|---|---|
| How is your site plan being submitted | Custom Site Plan | Septic Application/Permit Type | Repair | Does the site contain any jurisdictional wetlands | No |
| Non-domestic Sewage Generated | No | Other Public Agency | No | All proposed structure dimensions | 38 x 38 |
| What are the proposed structures | New Single-Family Residence - Stick Built | Maximum Number of Bedrooms | 4 | If other Addition/Structure, please explain | |
| Number of Occupants | 4 | Foundation Type | Basement without Plumbing | Water Supply | Existing Well |
| Desired Septic System Type | Conventional (most common) | If other septic system type, please explain | | Pump Make | |
| # of Nitrification Fields | | Model | | Serial # | |
| System Description | | Repair System Description | | Comments/Conditions | |
| Additional Unique Setbacks Apply | No | | | | |

| Attachment File Name | Added On | Added By | Attachment Group | Notes |
|---|---|---|---|---|
| Signature_Kevin_Bell_12/12/2024.jpg | 12/12/2024 11:34 | Bell, Kevin | | Uploaded via CSS |
| 347 AA_v1.pdf | 12/13/2024 8:24 | Bell, Kevin | Available Online | |
| 347 bell farm_v2.pdf | 01/02/2025 8:34 | Bell, Kevin | Available Online | |

| Note | Created By | Date and Time Created |
|---|---|---|
| 1. Waiting on owner to reschedule pits | Sydney Holland | 01/15/2025 7:36 |

| Workflow Step / Action Name | Action Type | Start Date | End Date |
|---|---|---|---|
| **Application Completeness Check v.1** | | 01/02/2025 8:33 | 01/02/2025 8:34 |
| Confirm application complete v.1 | Generic Action | | 01/02/2025 8:34 |
| ~~**Zoning Review v.1**~~ | | | 01/02/2025 8:33 |
| ~~Floodplain Admin Overview v.1~~ | Task | | 01/02/2025 8:33 |
| ~~Iredell County Zoning Approval v.1~~ | Task | | 01/02/2025 8:33 |
| ~~Issue Invoice v.1~~ | Generic Action | | 01/02/2025 8:33 |
| ~~Fees Paid v.1~~ | Generic Action | | 01/02/2025 8:33 |
| Fees v.1 | | | |
| Issue Invoice v.1 | Generic Action | | |

0-8 SCL
8-42 C
42-48 CL

2.5Y 7/2 @ 13"+
Y/B thru/out
Few discont. rock

---

0-8 - SCL SS-SP-FR-SE
8-41 - C ↓
41-48 - CL

---

0-17 - Plow → SS-SP-FR-SE
17-37 - C ABK
37-60 - SCL ABK ↓

5Y 8/2 @ 18"+

---

0-6 - SCL
6-23 - C / ABK
23-50 - CL / ABK

5Y 8/2 @ 30"+
Sapic. thru out
Redox 30"+

.3
above 30"

---

0-17 - C / ABK SS-SP-FR-SE
17-56 - CL / ABK ↓

5Y 8/2 @ 28"+

---

Auger 1
7.5YR 3/2 @ 42

Auger 2
0-30 C 7.5YR 4/4 @ 27"
30-48 CL 7.5Y 5/4
2.5Y 6/4 @ 31"
~~2.5Y 7/3 @ 35"~~
10YR 7/2 @ 36"

