# ICHD - ENVIRONMENTAL HEALTH DIVISION

Statesville Office (704) 878-5305 | Mooresville Office (704) 660-3625 | PERMIT # AP 2022-6168

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

PIN # 4686 -- 10 -- 1591

APPLICANT/OWNER: Joe Prochnicki Jr | APPLICANT ADDRESS: 186 Rain Shadow Dr

SITE ADDRESS: 1043 Patterson Farm Rd, Mooresville 28117 or 1063 | PHONE: 704-207-5110 | ALT. PHONE 702-860-1160

SITE DIRECTIONS: 152 E - Patterson Farm | SAP CONTROLLED: ☐ YES ☒ NO

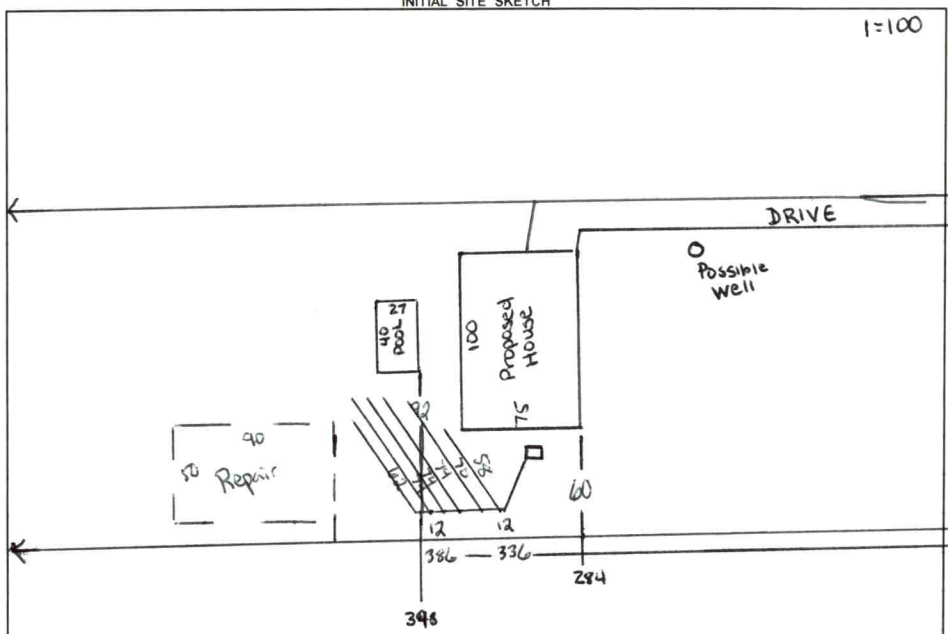
SUBDIVISION: Patterson Grove | SECTION: - | LOT # 7 | LOT AREA: 4.32 acres | DESIGN FLOW: 480 gpd | L.T.A.R.: 0.3

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Septic Tank | 1000 | (gal) | STB | 760 | Date | 7/24/22 | ☒ New System | ☐ Repair | ☐ Expansion | System Type: I II (III) IV V VI | |
| Pump Tank | | (gal) | PT | | Date | | System Description: | 25% reduction | | | |
| Pump Make | | | Model | | Serial # | | Repair System Description: | 50% reduction | | | |
| # Nitrification Fields | 1 | | # Lines | 5 | Linear Ft | 400' | Maintenance Agreement Required: | ☐ YES | ☒ NO | | |
| Trench Width | 36 in | | Trench Bottom Depth ~~(Low Side)~~ | | 36" max | | Gravel Depth | - | ☒ GRAVITY | ☐ PRESSURE | |

| | | | |
|---|---|---|---|
| ☒ Residence | No. Bedrooms | 4 | **Water Supply** |
| ☐ Business | No. Persons | 8 | ☒ Private |
| ☐ Other | No. Employees | | ☐ Public |
| ☒ Slab | ☐ Crawl Space | | ☐ Community |
| ☐ Basement w/ plumbing | | | ☐ Basement w/o plumbing |

Comments / Conditions: Purpose of this permit is to move repair area. System has already been installed.

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:

IMPROVEMENT PERMIT by: Cory Whit | Date: 10/31/22 | OPERATION PERMIT by: Cory Whit | Date: 10/31/22

AUTHORIZATION TO CONSTRUCT by: Cory Whit | Date: 10/31/22 | 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? _____ | |

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

Sheet 1 of 1
PROPERTY ID #:
COUNTY: Iredell

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

OWNER: Joe Prychnicki Jr
ADDRESS: 186 Rain Shadow Dr
PROPOSED FACILITY: 4 bdr home
PROPOSED DESIGN FLOW (.1949): 480 gpd
LOCATION OF SITE: 1043 Patterson Farm Rd, Mooresville
APPLICATION DATE
DATE EVALUATED: 10/25/22
PROPERTY SIZE:
PROPERTY RECORDED: yes

WATER SUPPLY: Private Public X Well Spring Other
EVALUATION METHOD: Auger Boring X Pit Cut
TYPE OF WASTEWATER: X Sewage Industrial Process Mixed

| 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 8% | 0-28 | C SBK | SS SP FR SE | — | 52 | — | — | .3 PS |
| | | 28-52 | CL SBK | SS SP FR SE | | | | | |
| 2 | Linear 6% | 0-24 | C SBK | SS SP FR SE | — | 51 | — | — | .3 PS |
| | | 24-51 | CL SBK | SS SP FR SE | | | | | |
| 3 | Linear 6% | 0-27 | C SBK | SS SP FR SE | — | 50 | — | — | .3 PS |
| | | 27-50 | CL SBK | SS SP FR SE | | | | | |
| 4 | | | | | | | | | |

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

OTHER FACTORS (.1946):
SITE CLASSIFICATION (.1948): PS
EVALUATED BY: Cory Whitaker
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)<br>CV (Convex Slope)<br>D (Drainage Way)<br>DS (Debris Slump)<br>FP (Flood Plain)<br>FS (Foot Slope)<br>H (Head Slope)<br>L (Linear Slope)<br>N (Nose Slope)<br>R (Ridge)<br>S (Shoulder Slope)<br>T (Terrace) | I | S (Sand)<br>LS (Loamy Sand) | 1.2 - 0.8 | 0.6 - 0.4 | SEXP (Slightly Expansive)<br>EXP (Expansive) | G (Single Grain)<br>M (Massive)<br>CR (Crumb)<br>GR (Granular)<br>SBK (Subangular Blocky)<br>ABK (Angular Blocky)<br>PL (Platy)<br>PR (Prismatic) |
| | II | SL (Sandy Loam)<br>L (Loam) | 0.8 - 0.6 | 0.4 - 0.3 | | |
| | III | Si (Silt)<br>SiCL (Silty Clay Loam)<br>CL (Clay Loam)<br>SCL (Sandy Clay Loam)<br>SiL (Silt Loam) | 0.6 - 0.3 | 0.3 - 0.15 | | |
| | | | | | **MOIST** | **WET** |
| | IV | SC (Sandy Clay)<br>SiC (Silty Clay)<br>C (Clay) | 0.4 - 0.1 | 0.2 - 0.05 | VFR (Very Friable)<br>FR (Friable)<br>FI (Firm)<br>VFI (Very Firm v. Very Sticky)<br>EFI (Extremely Firm) | NS (Non-sticky)<br>SS (Slightly Sticky)<br>S (Sticky)<br>VS (Very Sticky)<br>NP (Non-plastic)<br>SP (Slightly Plastic)<br>P (Plastic)<br>VP (Very Plastic) |
| | | O (Organic) | None | None | | |

*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).**

