ICHD - ENVIRONMENTAL HEALTH DIVISION

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

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

PERMIT # OSWP 2024-53170

PIN # 4711 – 32 – 7851

APPLICANT/OWNER: Eagle Engineering

APPLICANT ADDRESS: 2013A Van Buren Ave, Indian Trail, NC 28079

SITE ADDRESS: 117 Laurel Ridge Dr, Statesville, NC 28677

PHONE: 919-800-9252

ALT. PHONE:

SITE DIRECTIONS: Old Mountain Rd -> L Buffalo Shoals -> L Laurel Cove -> R Harborgate -> R N Harbor Watch -> L Laurel Ridge

SAP CONTROLLED: ☐ YES ☑ NO

SUBDIVISION: Harbor Watch

SECTION: 4

LOT # 110

LOT AREA: 1.313

DESIGN FLOW: 600 gpd

L.T.A.R.(Initial): 0.3

L.T.A.R (Repair): 0.3

Septic Tank 1500 (gal) STB 964 Date

Pump Tank 1500 (gal) PT Date

Pump Make Model Serial #

Nitrification Fields 1 # Lines 5 Linear Ft: 335

Trench Width 36 *Max. Trench Depth(Initial) 14 *Max. Trench Depth(Repair) 14 Gravel Depth n/a

* Measured on the downhill side of the trench

Effluent Standard: ☑ DSE ☐ HSE ☐ TS-I ☐ TS-II ☐ RCW ☐ NSF/ANSI 40

☑ New System ☐ Repair ☐ Expansion System Type: I II (III) IV V VI

System Description: HPPBPS - PM

Repair System Description: HPPBPS

Maintenance Agreement Required: ☐ YES ☑ NO

☐ GRAVITY ☑ PRESSURE

Usable Depth to LC (Initial): 26 (Low side)

☑ Residence No. Bedrooms 5

☐ Business No. Persons 10

☐ Other No. Employees

☐ Slab ☐ Crawl Space

☐ Basement w/plumbing ☐ Basement w/o plumbing

Usable Depth to LC (Repair): 26 (low side) *Limiting Condition*

Water Supply: ☑ Private ☐ Public ☐ Community

Comments / Conditions: Do not pave, grade, drive, park, or bury utilties in drainfield.

Ensure 6" of Group III soil cover over lines after install

Dose: 270 g Flow: 27.4 gpm Drawdown: 12.9" Runtime: 9.8 min

15 Panels per line; 1/2" SCH 80 tap each line

2' Pressure Head, 2" Supply

INITIAL SITE SKETCH

SEE ATTACHED SITE PLAN BY ICHD. USE THAT PLAN AND PRESSURE MANIFOLD SPECIFICATIONS SHOWN ABOVE FOR INSTALLATION.

Improvement permit issued pursuant to: G.S. 130A-335(a2), (a3) & (a4) using signed & sealed LLS/LG Evaluation attached, from:

Travis Brown

LSS# 1353

Bottom 4 lines 10/24 CW

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.

See updated site plan showing final house location
- keep tanks 5' from porch supports.

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.* X **AUTHORIZATION TO CONSTRUCT** *valid for period equal to IMPROVEMENT PERMIT--not to exceed 60 mo.*

Owner / Applicant Signature: Online Signature Date:

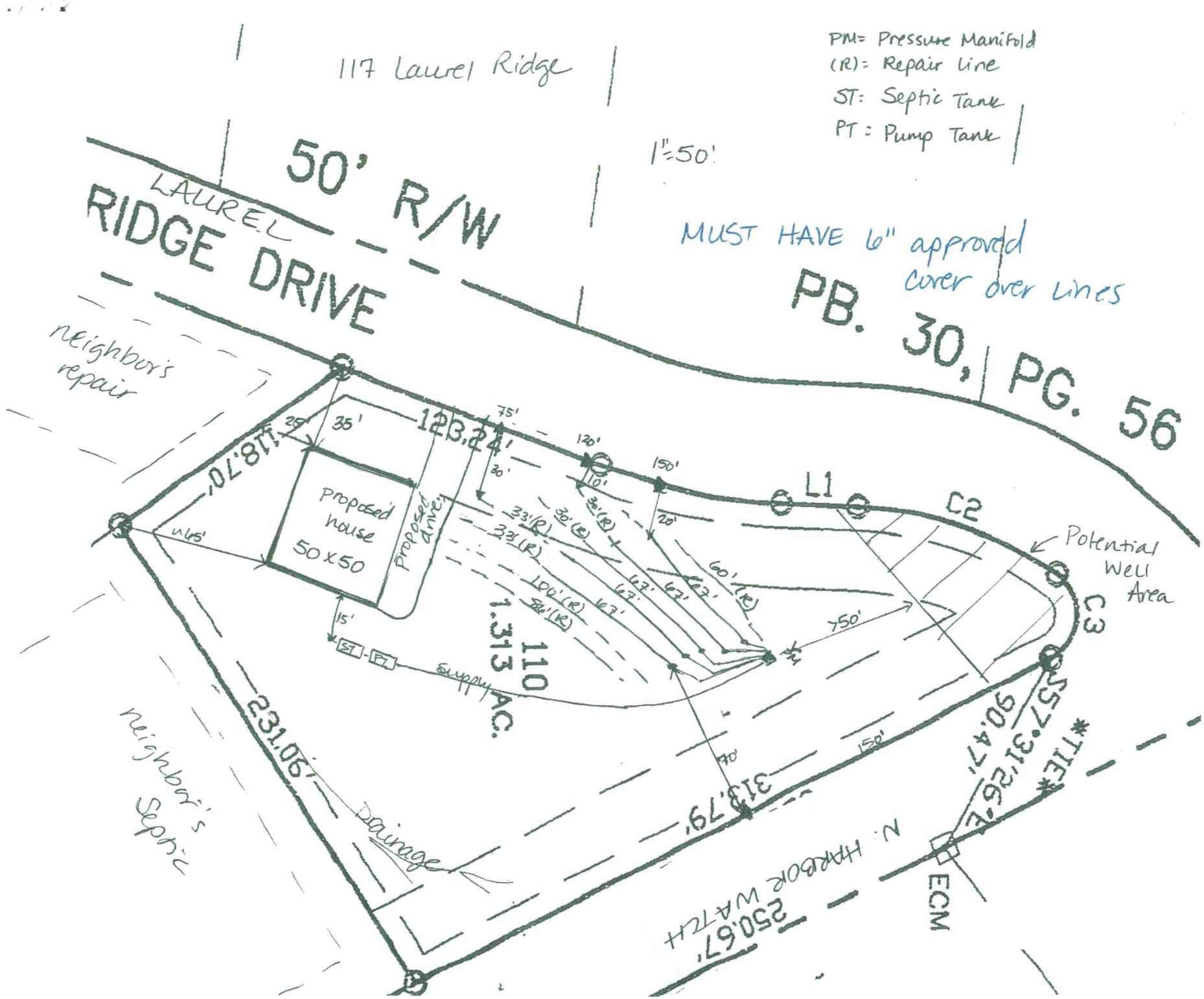
Installed by: Galle Grading

IMPROVEMENT PERMIT by: D. Wieberg Date: 5/20/24

OPERATION PERMIT by: Benjamin C. White Date: 5-12-2025

AUTHORIZATION TO CONSTRUCT by: D. Wieberg Date: 06/20/2024

Existing System Inspected by: Date:


117 Laurel Ridge
1"=50'
PM= Pressure Manifold
(R)= Repair line
ST: Septic Tank
PT: Pump Tank
50' R/W
LAUREL RIDGE DRIVE
PB. 30, PG. 56
MUST HAVE 6" approved cover over Lines
neighbor's repair
proposed house 50x50
proposed drive
123.24'
L1
C2
C3
Potential Well Area
1.313 AC.
110
231.06'
neighbor's Septic
Drainage
313.79'
N. HARBOR WATCH
250.67'
ECM
TIE
S57°31'26"E
90.47'
supply

SWALE OFF DITCH LINE ALONG LAUREL RIDGE TO BE MOVED -FIXED 5-12-2025

	Date	Initials
Drain Lines Checked	10/25/24	BM
Tanks Checked	10/23/24	SH
Pressure Manifold or Valve Box Checked	5-8-2025	BCW
Pressure Head Set	5-8-2025	BCW
Electrical Checked	5-8-2025	BCW
Floats Set	5-8-2025	BCW
Alarm Checked	5-8-2025	BCW
Maintenance Contract Y / (N)	—	—

P.T. RISER NOT ON TANK
42" DEEP NEED GRADING -FIXED 5-12-2025