



## Construction Authorization

Franklin County Health Department  
107 Industrial Drive  
Louisburg, NC 27549  
Phone: \_\_\_\_\_

### For Office Use Only

\*CDP File Number: 415490 - 1  
County ID Number: \_\_\_\_\_  
Evaluated For: NEW

PERMIT VALID UNTIL: 07/26/2029

☐ Open Pump System Sheet

Applicant: Bobby Sumner  
Address: PO Box 1011  
City: Youngsville  
State/Zip: NC 27596  
Phone #: home: (919) 422-5713

Property Owner: \_\_\_\_\_  
Address: \_\_\_\_\_  
City: \_\_\_\_\_  
State/Zip: \_\_\_\_\_  
Phone #: \_\_\_\_\_

### Property Location & Site Information

Address/Road #: 35 Wheatfield Lane Louisburg, NC 27549 Subdivision: Grandiflora Phase: NEW Lot: 37  
**Directions:** \_\_\_\_\_  
Structure: SINGLE FAMILY 35 Wheatfield Lane Louisburg NC 27549  
# of Bedrooms: 4  
# of People: 6  
\*Water Supply: \_\_\_\_\_

### System Specifications

Usuable Soil Depth: 40 66" Minimum Trench Depth: \_\_\_\_\_ Inches  
Design Flow: 480 (to include 24" good sap.) Maximum Trench Depth: 42" 28 Inches  
Soil Application Rate: 0.3000 Minimum Soil Cover: \_\_\_\_\_ Inches  
\*System Classification/Description: TYPE II A. CONV SYSTEM (SINGLE-FAMILY OR 480 GPD OR LESS) Maximum Soil Cover: \_\_\_\_\_ Inches  
\*Proposed System: 50% REDUCTION ☒ \*Distribution Type: GRAVITY - PARALLEL (eq. d-box)  
Nitrification Field: \_\_\_\_\_ Sq. ft. Septic Tank: 1,000 Gallons  
No. Drain Lines: 4 Pump Required: ☐ Yes ☒ No ☐ May Be Required  
Total Trench Length: 285 269' ☐ Inches O.C. ☒ Feet O.C. Pump Tank: \_\_\_\_\_ Gallons  
Trench Spacing: \_\_\_\_\_ - 6 ☐ Inches ☒ Feet Grease Trap: \_\_\_\_\_ Gallons  
Trench Width: \_\_\_\_\_ - 3 ☐ Feet  
Aggregate Depth: \_\_\_\_\_ inches Septic Tank Installer: ☐ I ☐ II ☐ III ☐ IV  
Grade Level Required: ☐ I ☐ II ☐ III ☐ IV

The issuance of this permit by the Health Department in no way guarantees the issuance of other permits. The permit holder is responsible for checking with appropriate governing bodies in meeting their requirements.

### \*Permit Conditions:

Install Septic according to CCSC design sheets you will find attached. Please respect all setbacks.

The Authorization for Wastewater System Construction shall be valid for a period equal to the period of validity of the Improvement Permit and may be issued at the same time the Improvement Permit issued (NCGS 130A-336(b)). If the installation has not been completed during the period of validity of the Construction Permit, the information submitted in the application for a permit or Construction Authorization shall become invalid, and may be suspended or revoked (.0204(k)(1)). The person owning or controlling the system shall be responsible for assuring compliance with the laws, rules, and permit conditions regarding system location, installation, operation, maintenance, monitoring, reporting and repair (per rule .0301((a)).

Authorized State Agent: Jones, Lori Date of Issue: 07/26/2024

☐ Hand Drawing

☒ Import Drawing

\*\*Site Plan/Drawing attached.\*\*

Total Time : (HH:MM) \_\_\_\_\_



Lot 37  
Coff Peach Orchard

File # 415490 Parcel ID: 650891  
PIN# \_\_\_\_\_

Property Address: 35 Wheatfield

Applicant or Owner Name: Bobby Sumner

### Environmental Health Septic/Well Permit Diagram

Building permits cannot be issued nor should construction begin without Construction Authorization issuance.

☒ Septic Improvement Permit ☒ Septic Construction Authorization (CA) ☐ CA Reissue\*\* ☐ As Built  
☐ Well Construction Authorization ☐ Additional Diagram/Specifications Attached

Diagram Date\*\*: 7-26-2024 EHS: Paul Jones

\*\*Any previously dated CA diagram is revoked and/or invalid. Confirm this is the valid diagram for the site before beginning any construction.

Installation/grouting inspections may be scheduled the day before, or, the day of installation until 9am by contacting the Environmental Health office at 919 496 8100. A revisit fee may apply if installation is not ready for inspection at the time requested. Septic Operations Permits will be issued after installation is approved, all permits conditions are met, and any outstanding fees are paid. Well Certificate of Completion will be issued after well head approval, all permit conditions are met, and any outstanding fees are paid.

Septic Tank 1000 Pump Tank na Drainfield 3' x 285' Type System PPBS Max Trench Depth 28"

Septic Contractor TrueWorks Septic/Pump tank dates 269' Pump fee? NO YES pd

Well Contractor Head Well Grout date: 11-21-24 6 Ft Cntr

Bedrooms: 4

\* Drawing submitted by Soil Scientist

Please install septic system in accordance with attached design sheet(s) submitted by CCSC. Respect all setbacks.

> Enclosures / Attachments

\* Revised CA for Septic due to well re-location.

- Pits conducted for 42" install.

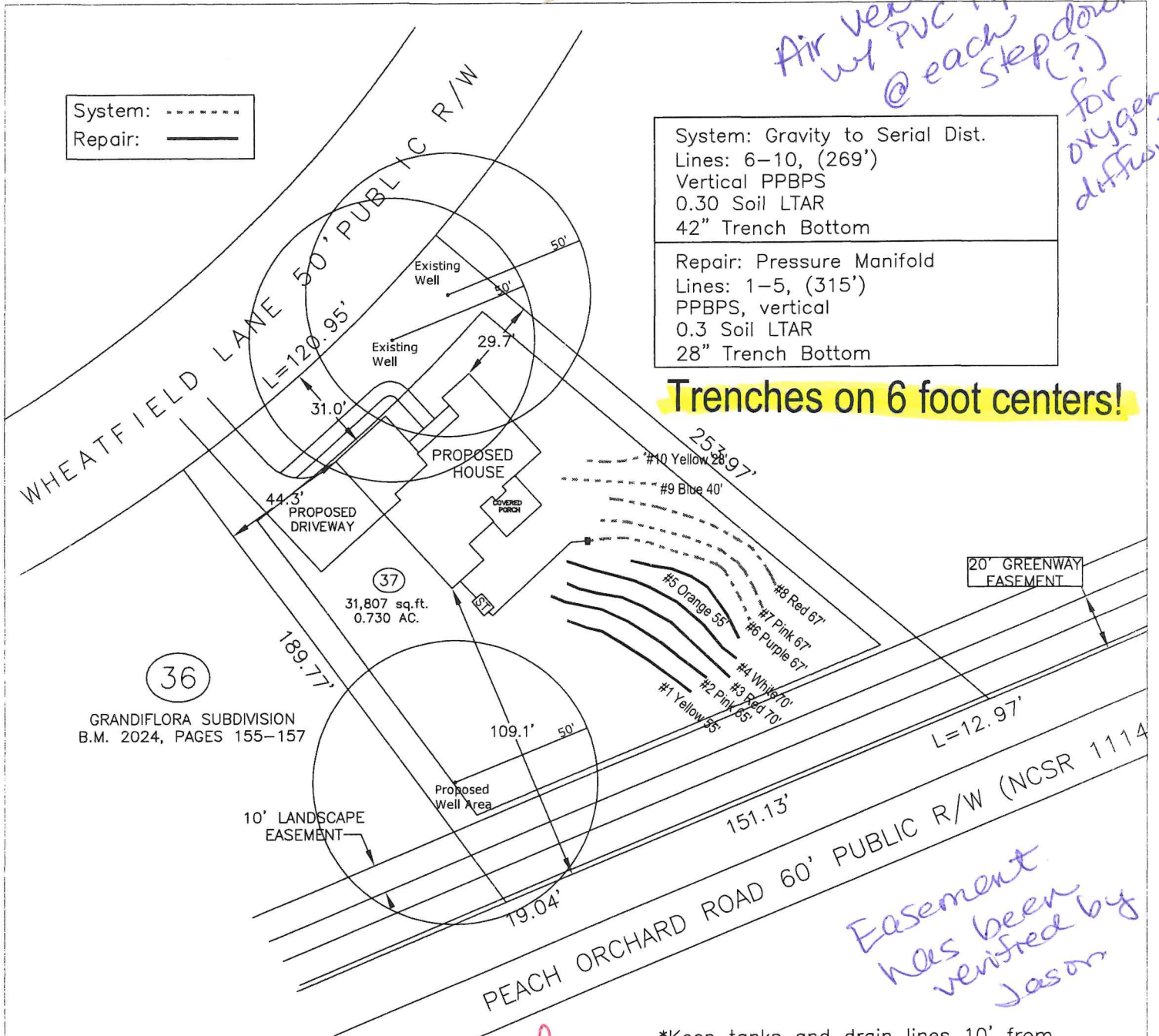
System: -----  
Repair: —————

System: Gravity to Serial Dist.  
Lines: 6–10, (269')  
Vertical PPBPS  
0.30 Soil LTAR  
42" Trench Bottom

Repair: Pressure Manifold  
Lines: 1–5, (315')  
PPBPS, vertical  
0.3 Soil LTAR  
28" Trench Bottom

*Air vents pipe  
w/ PVC pipe  
@ each stepdown  
(?)  
for oxygen  
diffusion*

**Trenches on 6 foot centers!**



*Easement  
has been  
verified by  
Jason*

*Revised  
11-21-24*

GRAPHIC SCALE  
1" = 50'



- \*Keep tanks and drain lines 10' from property lines.
- \*Not a survey.
- \*Not a guarantee of a septic permit.
- \*Keep supply lines >5' from property lines.
- \*Some lines are flagged longer in the field than lengths indicate.
- \*No grading septic area.
- \*No adding soil within septic area
- \*No rutting-up septic area
- \*No cuts of >2' within 15' of septic areas

Central Carolina Soil Consulting, PLLC  
1900 South Main Street, Suite 110  
Wake Forest, North Carolina 27587  
Phone (919)569-6704 Fax (919)569-6703

4-Bedroom Septic Layout  
Lot 37, Grandiflora Subdivision  
Franklin County, North Carolina

Job#: 5079  
Drawn By: JH  
Date: 11/14/24  
Revision:

# Grandiflora lot 37

## T&J Panel Block (Initial System)

| Line | Length | Trench Area | Number of Panels | Spacing between Panels (in) | Feet of 2in PVC |
|------|--------|-------------|------------------|-----------------------------|-----------------|
| 6    | 67     | 201         | 15               | 7.1                         | 28              |
| 7    | 67     | 201         | 15               | 7.1                         | 28              |
| 8    | 67     | 201         | 15               | 7.1                         | 28              |
| 9    | 40     | 120         | 9                | 6.6                         | 16              |
| 10   | 28     | 84          | 6                | 8.6                         | 10              |

|                                         |                 |                                  |                   |
|-----------------------------------------|-----------------|----------------------------------|-------------------|
| <b>Total Line Footage:</b>              | <b>269</b>      | <b>Total Footage of 2in PVC:</b> | <b>110</b>        |
| <b>Total Number of Panels:</b>          | <b>60</b>       | <b>Backfill Sand Needed:</b>     | <b>45.8 tons</b>  |
| <b>T&amp;J Panel Block Orientation:</b> | <b>Vertical</b> | <b>backfill sand needed +5%:</b> | <b>48.09 tons</b> |

**Notes:** Spacing of panels is spacing between each panel AND spacing at the beginning and end of the line.

### Grandiflora T&J Panel Block, Tap Chart (repair System)

| Bench Mark:     |        | is = 100.00 |           | Location of BM: |              | Elevation Head: |                     | 7.20        |           |             |                        |                 |
|-----------------|--------|-------------|-----------|-----------------|--------------|-----------------|---------------------|-------------|-----------|-------------|------------------------|-----------------|
| Pump tank elev. |        | 4.0         | 96.00     | Pump elev.      |              | 90.60           | Manifold elevation: |             | 97.80     |             |                        |                 |
| line            | color  | rod read    | Elevation | length          | hole size    | flow/tap        | gal/day             | trench area | LINE LTAR | # of Panels | Spacing of Panels (in) | Feet of 2in PVC |
| 1               | Yellow | 3.20        | 96.80     | 55              | 1/2in SCH 80 | 5.48            | 81.46               | 165         | 0.4937    | 13          | 4.4                    | 24              |
| 2               | Pink   | 3.40        | 96.60     | 65              | 1/2in SCH 40 | 7.11            | 105.69              | 195         | 0.5420    | 15          | 5.6                    | 28              |
| 3               | Red    | 3.70        | 96.30     | 70              | 1/2in SCH 40 | 7.11            | 105.69              | 210         | 0.5033    | 16          | 6.1                    | 30              |
| 4               | White  | 3.80        | 96.20     | 70              | 1/2in SCH 40 | 7.11            | 105.69              | 210         | 0.5033    | 16          | 6.1                    | 30              |
| 5               | Orange | 4.10        | 95.90     | 55              | 1/2in SCH 80 | 5.48            | 81.46               | 165         | 0.4937    | 13          | 4.4                    | 24              |

|                    |        |                  |       |                            |       |                              |                           |     |
|--------------------|--------|------------------|-------|----------------------------|-------|------------------------------|---------------------------|-----|
|                    |        |                  |       | Total Number of Panels:    |       | 73                           |                           |     |
|                    | total  | feet =           | 315   | gal/min =                  | 32.29 | T&J Panel Block Orientation: | Vertical                  |     |
|                    |        |                  |       | <u>LTAR =</u>              |       | 0.3250                       |                           |     |
| % of Dose Volume   | 0      | <u>Des. Flow</u> | 480   | <u>LTAR + %5</u>           |       | 0.3413                       |                           |     |
| Dose Volume        | 262.80 | Pump Run=        | 14.87 | (ltar W/ INOV)             |       | 0.6500                       |                           |     |
| Dose Pump Time     | 8.14   | Tank Gal/IN      | 19.65 | (ltar W/ INOV + 5%)        |       | 0.6825                       |                           |     |
| Drawdown in Inches | 13.37  |                  |       |                            |       |                              |                           |     |
|                    |        |                  |       | Backfill Sand Needed:      |       | 53.6 tons                    | Total Footage of 2in PVC: | 136 |
|                    |        |                  |       | backfill sand needed + 5%: |       | 56.28 tons                   |                           |     |