



Onslow County Health Department  
 234 Northwest Corridor Blvd  
 Jacksonville, North Carolina 28540  
 Phone: (910) 938-5851 Fax: (910) 989-5819

# CONSTRUCTION AUTHORIZATION

(GS 130A-336)

Permit No: EHCA-2025-00271

Workclass: EH CA Repair

(Required for Building Permit)

THIS AUTHORIZATION FOR WASTEWATER SYSTEM CONSTRUCTION SHALL BE VALID FOR A PERIOD EQUAL TO THE PERIOD OF VALIDITY OF THE IMPROVEMENT PERMIT.

Owner: REYES CORINNA A

Address: 1222 BURGAW HIGHWAY, JACKSONVILLE, NC 28540

Subdivision:	Lot Number:	Section:	Phase:
Block:	Part:	Tract:	

Proposed Use: Single family residence

Location: 1222 BURGAW HWY

System Type: V System Classification: a. Advanced Pretreatment System Type Va

System Description: Drip System (Aerobic). System in Fill, Effluent Pump

Facility/Daily design flow: 2 Bedroom/240GPD/4 person MAX

System Information: PERMITTED UNDER 18E. RULES. DSE.

REPAIR: 480 SQ. FT. TYPE Va TS-II DRIP IN 15" FILL SYSTEM (30' X 60'). DETAILED PLANS AND SPECIFICATIONS OF THE PROPOSED AEROBIC DRIP SYSTEM SHALL BE SUBMITTED TO ONSLOW COUNTY ENVIRONMENTAL HEALTH FOR REVIEW AND SHALL BE APPROVED PRIOR TO INSTALLATION OF ANY PART OF THE SYSTEM. THE EXISTING TANK MAY BE UTILIZED IF IT IS OF SOUND CONSTRUCTION AND IN GOOD CONDITION AND HAS A BAFFLE WALL. IF NOT, REPLACE THE EXISTING TANK WITH A NEW 1000 GALLON TANK. A PRECONSTRUCTION CONFERENCE IS REQUIRED PRIOR TO BEGINNING SITE WORK AND INSTALLATION.

LTAR: .5 gpd/sq. ft.

Water Supply: PUBLIC

Septic Tank Size: 1000 gallons

Grease Trap Size: N/A gallons

Pump Tank Size: 1000 gallons

Nitrification Area: 480 sq. ft.

Nitrification Linear Feet: 240 lin. ft.

No of Lines: 6 runs minimum

Line Length: 40'

Line Width: 1/2"

Trench Bottom Depth: 3" into fill sand/6" above interface

(SEE ATTACHED PAGES 1 - 3 of 3 FOR ADDITIONAL PERMIT CONDITIONS)

Signed By: Grant James

Date: 09/15/2025

*This Construction Authorization is subject to revocation if the site plan, plat, or the intended use changes. This Construction Authorization is subject to compliance with the provisions of the Laws and Rules for Sewage Treatment and Disposal and to the conditions of this permit. The construction and installation requirements of Rules .1950, .1952, .1954, .1955, .1956, .1957, .1958 and .1959 are incorporated by reference into this permit and shall be met.*

**THE ISSUANCE OF THIS C.A. DOES NOT CONSTITUTE AN ONSLOW COUNTY WARRANTY OR GUARANTEE OF THE FUNCTIONALITY OF THE WASTEWATER SYSTEM**

Owner: Corinna Reyes  
 Address: 1222 Burgaw HWY  
 Location: Ketchum Heights Lot#4

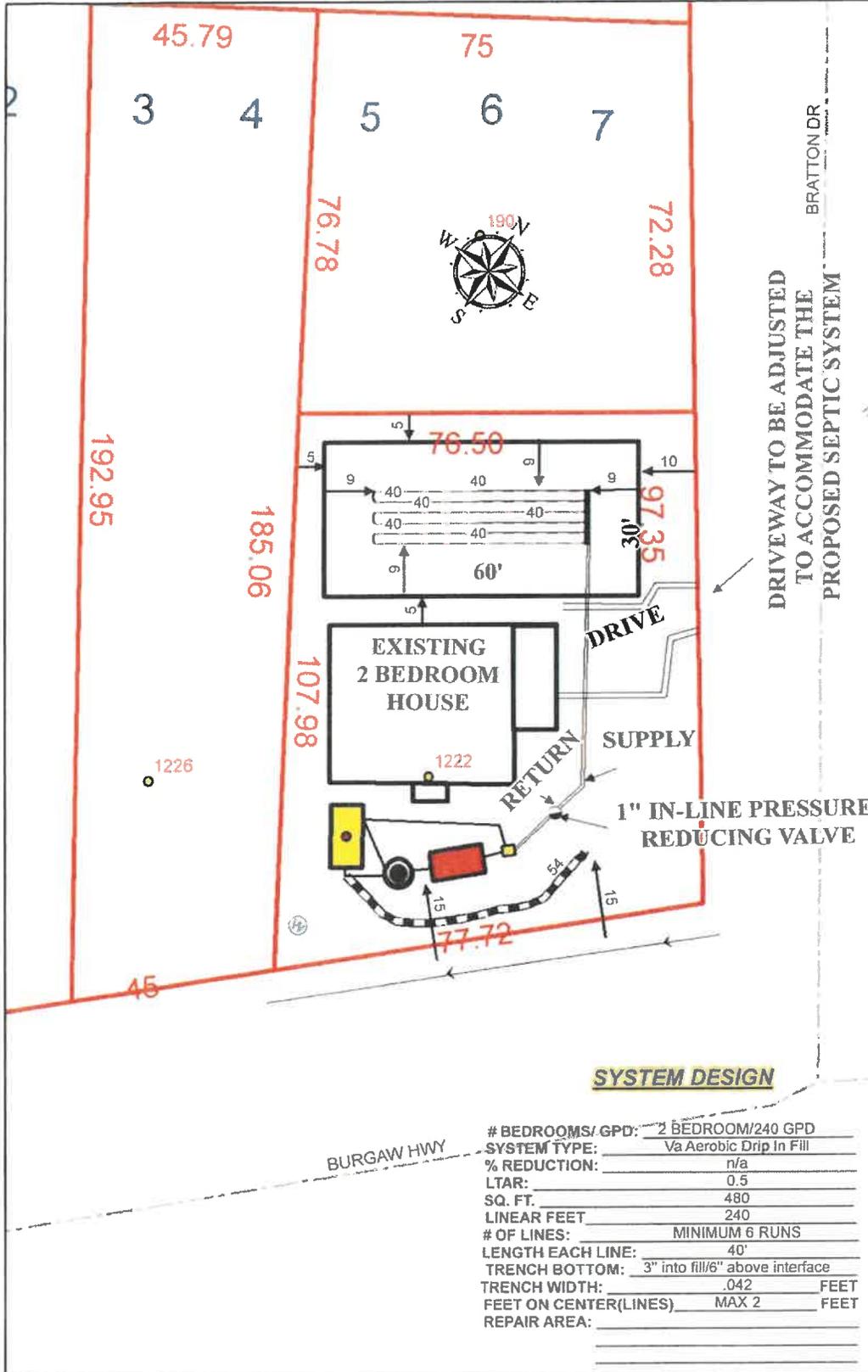
**REPAIR**  
**9/15/2025**

Addendum to permit # EHCA-2025-00271  
 Page 1 of 3

**PLOT PLAN**

1 inch = 30 feet

**Additional Permit Conditions:**



- Do not park or drive on any part of system or repair area.
- Nitrification trench aggregate shall be covered with straw, untreated paper or other approved materials prior to final cover/backfilling.
- Do not install system under wet conditions.
- Adhere to minimum set back requirements as stated in 15A NCAC 18E .0601 unless otherwise indicated on this permit.
- Rock used in soil absorption systems shall be clean, washed gravel or crushed stone and graded or sized in accordance with size numbers 4, 467M, 5, 6, 57, or 67 ASTM D448 (standard sizes of coarse aggregate) Documentation of aggregate size shall be available upon request.
- All mid-seam pump tanks shall be tested for water tightness. Septic tanks may also be subject to a water tightness test
- The septic tank is designed to receive sewage or wastewater under gravity flow. However, if a system subject to the N.C. Plumbing Code is used to pump raw sewage to the septic tank, the sewage shall be reduced to gravity/non-turbulent flow by approved means at the inlet of the septic tank.
- An accepted wastewater system may also be installed in accordance with the accepted wastewater system approval. (Maximum LTAR of 1.0 gpd/ft2)
- Run lines parallel to contour. System components represent approximate contours only. The contractor must flag the system prior to beginning the installation to ensure that proper grade is maintained.
- A recorded plat or deed and corresponding map shall be submitted to the Environmental Health Section of the Onslow County Health Department PRIOR TO the issuance of the Construction Authorization.
- An APPROVED stormwater plan shall be submitted to the Environmental Health Section of the Onslow County Health Department PRIOR to issuance of a Construction Authorization.
- FOR DWELLING UNIT WASTEWATER SYSTEMS ONLY - This wastewater system is designed only for the number of bedrooms shown as bedrooms or sleeping rooms on the building/floor plan approved by Onslow County Code Enforcement. No other room or space may be relabeled as a bedroom, used as a bedroom, or converted into a bedroom without prior approval from Onslow County Environmental Health.

**DRIP-OPERATOR**

- Prior to issuance of the Operation Permit, a contract for operation and maintenance shall be executed between the system owner and an ORC as required in accordance with Rule .1961(b), who is authorized in writing by the manufacturer to operate and maintain the system. A condition of the operation permit shall be that a contract for operation and maintenance with an ORC shall remain in effect for as long as the system is to remain in use.
- Submit detailed plans and specifications for the proposed subsurface aerobic drip disposal system. All systems shall be designed by a professional engineer or certified designer. Plans and specifications shall be prepared, reviewed and approved in accordance with Rules .1938(e) and (f).
- System shall be designed and installed in accordance with all conditions required in the applicable innovative wastewater system and/or controlled demonstration approvals. The system shall be installed by a contractor authorized in writing by the manufacturer, who shall coordinate the installation with the designer and manufacturer's field representative. The manufacturer's field representative and designer shall provide written confirmation of their acceptance of the system installation prior to issuance of the operation permit.
- A preconstruction conference shall be required prior to beginning any site modifications or construction of the subsurface drip system. The conference shall be attended by the authorized system designer, authorized installer, and the local health department. The licensed soil scientist and registered professional engineer shall also be present, as applicable.

**\*\*WARNING: THIS IS NOT A SURVEY!\*\***

This map is prepared for the inventory of real property found within this jurisdiction, and is compiled from recorded deeds, plats, and other public records and data. Users of this map are hereby notified that the aforementioned public primary information sources should be consulted for verification of the information contained on this map. The County and mapping company assume no legal responsibility for the information contained on this map.

Owner: Corinna Reyes  
 Address: 1222 Burgan Hwy  
 Location: 1222 Burgan Hwy

**FILL SYSTEM DETAIL SHEET**

**I. Specifications**

**A. Site**

- 1) Wastewater flow 240 gpd
- 2) Soil texture group I, III
- 3) LTAR .5 gpd/sq. ft.

**B. Trenches**

- 1) Trench Bottom 460 sq. ft.
- 2) Trench Width 1/2" ft.
- 3) Trench Length 240
- 4) Number of Trenches min. 6
- 5) Length of Each Trench 40

**C. Fill**

- 1) Length of Fill 60 ft.
- 2) Width of Fill 50 ft.
- 3) Total Fill Area 1800 sq. ft.
- 4) Depth of Sand 9 in.
- 5) Depth of Cover 6 in.

\*[The outside edge of any trench shall be at least 5 feet from the top of the side slope of the fill.]

**II. Site Preparation**

- A. Place flags at the 4 corners of the fill area as designated on page 1 of 3 of the Improvement Permit. Failure to place fill in the permitted area may result in the fill having to be moved or the permit revoked.
- B. Do not work when the site is wet. Working on soil when wet can destroy soil structure.
- C. Remove all above ground vegetation and root mat from area to be filled without removing topsoil. Removal of soil can result in revocation of the permit.
- D. Disk the area to be filled to a depth of 6 inches to break up root mat.

**III. Placement of Fill**

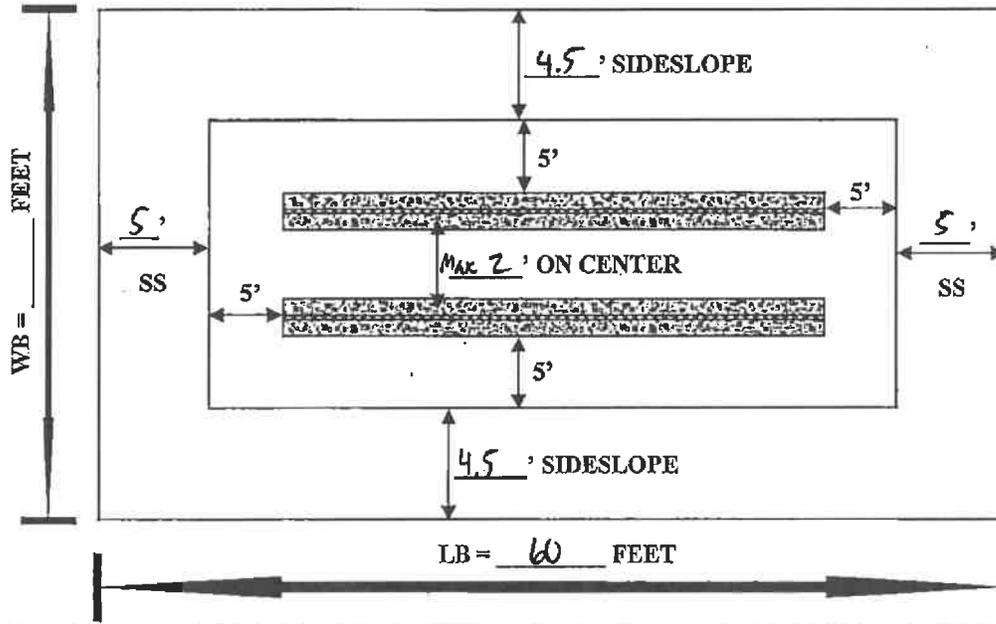
- A. Add 3 to 4 inches of approved sand fill to area and disk again to thoroughly mix the original soil and the fill. Approved sand fill is a sand or loamy sand.
- B. Add more sand fill to achieve a uniform height of 9" (see ID on diagram) in the middle of the fill area.
- C. The fill shall be tapered from the top edge of the fill to the ground surface 2 feet from the boundary of the fill area. The top edge of fill is located 5 feet from the proposed trenches.
- D. \_\_\_\_\_ Contact Health Department for inspection of fill after owner or owner's legal representative has submitted an application for a Construction Authorization.  
X Contact Health Department for inspection of fill prior to installing nitrification trenches if Construction Authorization has already been issued.

**IV. Final Landscaping of Fill System:**

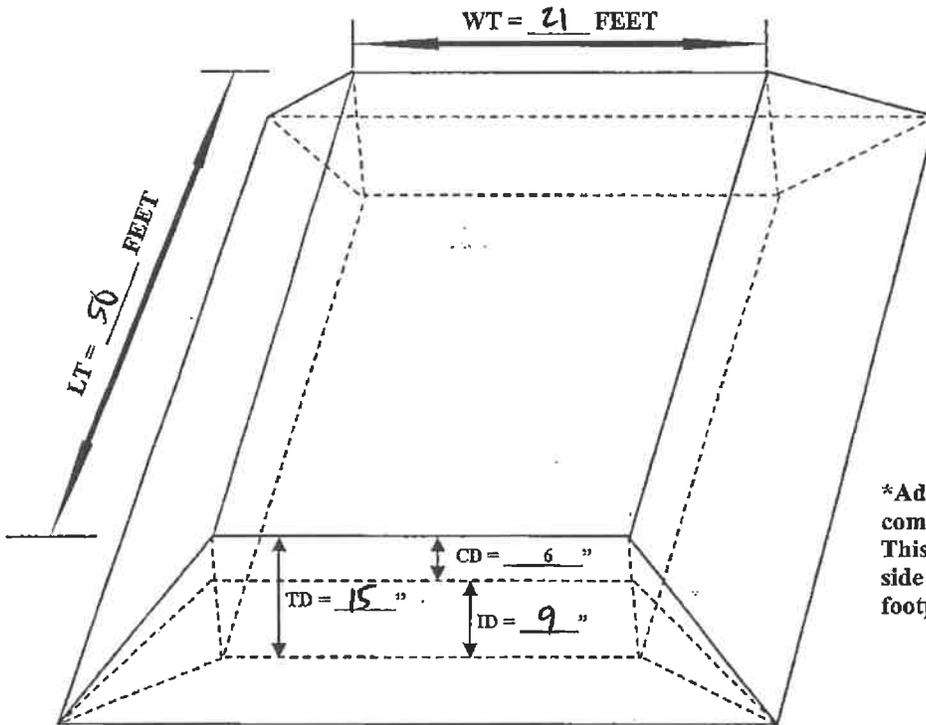
- A. The fill must be shaped to shed surface water and shall be stabilized with grass or other suitable cover to prevent erosion.
- B. Vegetation must be maintained once established. Grass must be mowed.
- C. Additional fill beyond what has already been specified may be necessary to cover and landscape around the septic tank.
- D. Call the Health Department for inspection after landscaping has been completed. The Operation Permit allowing use of the system will be issued at that time.

## FILL SYSTEM DETAIL

### PLAN VIEW



### CROSS SECTION VIEW



- WB = WIDTH OF BOTTOM
- LB = LENGTH OF BOTTOM
- SS = SIDESLOPE
- WT = WIDTH OF TOP
- LT = LENGTH OF TOP
- ID = INITIAL DEPTH
- CD = COVER DEPTH
- TD = TOTAL DEPTH

\*Additional fill may be needed to compensate for changes in elevation. This additional fill will require larger side slopes and, therefore, a larger footprint.