SC DES

PERMIT TO CONSTRUCT
Onsite Wastewater System

Permit ID: OSWW052105 v1.0
County: Colleton

Site: 2025-1770: Tumbleweed Rd - TRACT 2, Smoaks (Greg Phillips)
Type Facility: Residential
Subdivision:
Block: Lot:

Site Address:
Tumbleweed Road - TRACT 2
Smoaks, SC 29481

Program Code: ALTERNATIVE
System Code: 290 WIDE TRENCH-FILL CAP
TM #: 010-00-00-012
Water Supply: Private Well

PERMIT TO CONSTRUCT SYSTEM SPECIFICATIONS

Daily Flow (gpd): 480
No. Bedrooms: 4
LTAR (g/d/ft^2): .6

Tank Sizes (gal): Septic Tank: 1000 Pump Chamber: Grease Trap:
Trenches: Length (ft): 160 Width (in): 108 Max. Depth (in): 12 Agg. Depth (in): 6
Min Pump Capacity: GPM at ft. of Head

SPECIAL INSTRUCTIONS/CONDITIONS

THIS PERMIT IS SITE SPECIFIC. ANY CHANGES TO THE SYSTEM MUST BE APPROVED BY SCDES. ALTERNATIVE TRENCH PRODUCTS APPROVED UNDER STATE RULES AND REGULATIONS MAY BE SUBSTITUTED. ANY UNAPPROVED CHANGES WILL VOID THIS PERMIT.

Installers must contact the local SCDES office by 10:00 AM the day prior to installation in order to schedule a time for the final inspection. If a Department representative does not arrive within 30 minutes of the scheduled time, the installer may conduct the final inspection. When a contractor self-inspection occurs, the installer must complete SCDES form 3978, Approval to Operate Contractor Self-Inspection. The installer must submit the SCDES form 3978 within 2 business days of the completion of installation.

Self-installations require a pre-construction conference with a Department representative.

- *75' setback from all private wells. 100' setback from public wells.*
- *Minimum 12" cover over system before approval -5' buffers & 10' tapers from ends & sides of trenches.*

- *Permit issued based on the submitted soil report, Soil Report Verification Form, and system layout from Randall Fowler, PSC #SC 38.*

PERMIT TO CONSTRUCT SYSTEM DIAGRAM

See System Diagram on page 2 of this document.

Issued/Revised By: 

Date: April 16, 2026

This Permit is Appealable Under the Administrative Procedures Act.
This Permit will Expire and Become Null and Void Five (5) Years from the Issuance Date.
There may be an Additional Fee for Changes in this Permit that Require a Site Reevaluation.

SC DES

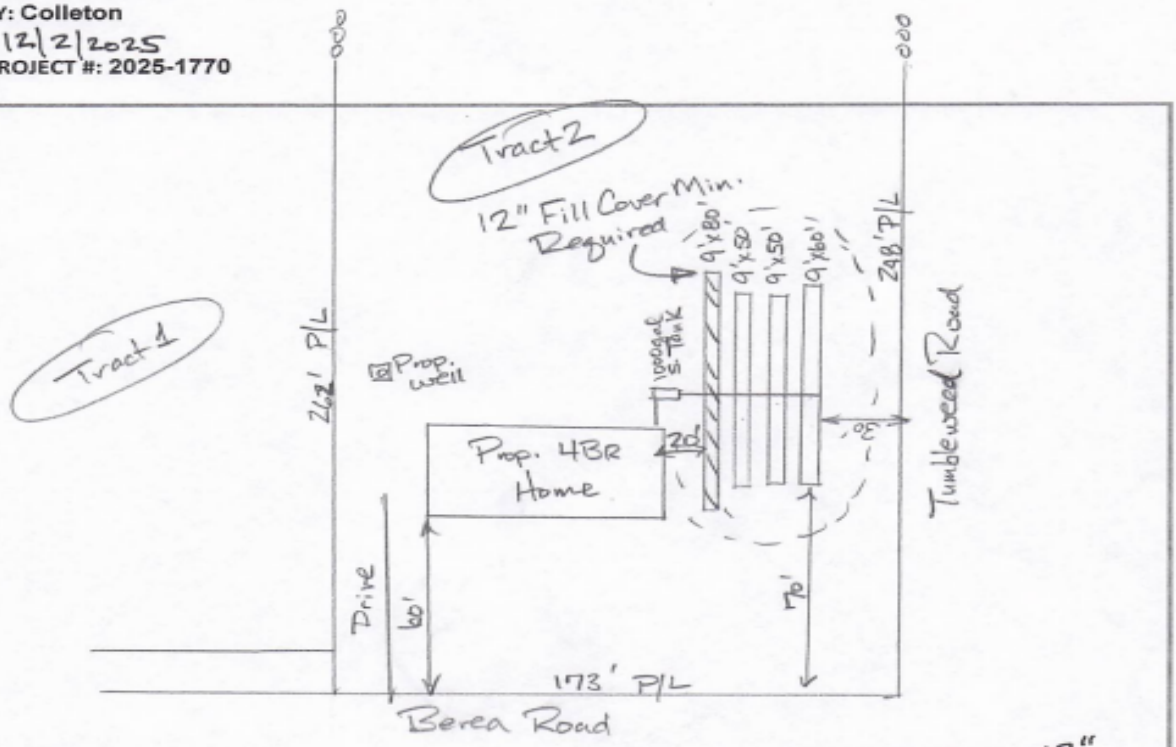
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County: Colleton

PERMIT TO CONSTRUCT SYSTEM DIAGRAM

CLIENT NAME: Greg Phillips
SITE ADDRESS/LOCATION: Tumbleweed Road - Tract 2, Smoaks
TMS #: 010-00-00-012
COUNTY: Colleton
DATE: 12/2/2025
CSWS PROJECT #: 2025-1770



Max. Trench Depth: 12"
Agg. Trench Depth: 6"

Notes

Well Setbacks: 75-foot minimum setback from private well or 100-foot setback to public well from any part of the septic system.

Drainfield Cover and Grading: If the top of the aggregate in the trench is less than 9 inches to the natural surface, a 12-inch fill cap will be required with a 5-foot buffer and a 10-foot taper to natural grade. Toe of the taper will meet the 5-foot setback requirement to property lines.

Alternative Drainfield Products: May be allowed with this system. Contact S.C. DES for appropriate sizing and reduction requirements.

Soil Classifier Stamp / Signature

COASTAL SOIL AND WETLAND SERVICES, LLC
PSC #38
PROFESSIONAL SOIL CLASSIFIER
STATE OF SOUTH CAROLINA

SEPTIC DESIGN PLAN

NOT TO SCALE

COASTAL SOIL AND WETLAND SERVICES, LLC

Knowledgeable / Timely / Experienced / Service-focused

Disclaimers

- Soil reports will be honored for a five (5) year period from the date of evaluation, given that no alterations or modifications are made to the site in or around the proposed drainfield that may affect installation. This shall include but is not limited to soil removal, added fill, and setbacks to structures, pools, ponds, ditches, and wells.
- Coastal Soil and Wetland Services (CSWS) shall not be responsible for any actions of the property owner/tenants of an installed system that may result in malfunction or failure from increased water usage, abuse, alterations, etc.
- CSWS recommends following all setback requirements as established by local and state authorities. Any variances for reduced setback or offset requirements shall be at the sole discretion of the property owner and/or system designing professional engineer.
- Due to the site preparations/modifications that will be made to the site following the performed evaluation of the soil conditions, CSWS shall not be responsible for or guarantee the proper functioning or operation of the onsite wastewater disposal system (OWDS). Care should be taken to avoid any soil disturbance or soil removal, unless prescribed, during site preparation and general construction. The proposed area for the OWDS installation should be barricaded off to prevent soil disturbance and that the system is not installed prior to the final construction stage of the project.
- Should any part of the proposed OWDS be in wetlands or waters of the United States, approval from the appropriate permitting agency [i.e., US Army Corps of Engineers, state authorities, etc.] must accompany the application for an engineered onsite wastewater system. The determination/verification of the presence of wetlands or waters of the United States is the responsibility of the landowner and is outside of the scope of this soil report.

Coastal Soil and Wetland Services

Septic and Soil Care and Maintenance

- Conserve water to reduce the amount of wastewater going to the drainfield/dispersal area.
- Divert downspouts and other surface water away from the drainfield/dispersal area.
- Do not drive or park over septic tank(s) or drainfield/dispersal area.
- Do not plant anything over or near the drainfield/dispersal area except grass. Roots from nearby trees and shrubs may clog and damage the drain lines.
- Do not install an irrigation system on or around the drainfield/dispersal area.
- Sod or grass the drainfield/dispersal area and tapers after installation to prevent erosion.
- Do not dump grease, harsh chemicals, or non-biodegradable items down the drains.
- Repair leaking or sticking fixtures immediately. Large volumes of water, such as hot tubs or continuously running faucets or toilets, will overload the system and cause failure.
- Have septic tank(s) pumped on a routine schedule as recommended to prevent solids from entering the drainfield/dispersal area.

Coastal Soil and Wetland Services, LLC
PO Box 80171
Charleston, SC 29416
843-694-9979

Final Inspection
Onsite Wastewater System

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County: Colleton

Site: 2025-1770: Tumbleweed Rd - TRACT 2, Smoaks (Greg Phillips)
Type Facility: Residential
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Program Code:
System Code:
TM #: 010-00-00-012
Water Supply: Private Well

FINAL INSPECTION and ACTUAL INSTALLATION (Insert Drawing Below) **(NTS)**

Installer:
Septic Tank Mfr. & Size:
Pump Chbr Mfr. & Size:
Pump Mfr:
Pump Model:
Grease Trap Mfr:
Alt Product & Model:
Aggregate Type:
Agg Depth (in):
Trench Width (in):
Trench Depth (in):
Fill Cap: ☐**Yes** ☐**No**
Well Inst: ☐**Yes** ☐**No**
Well Dist (ft):
Building Dist (ft):
Property Dist (ft):
Water Dist (ft):
Elevation Readings:
Plumbing Stubout:
Septic Tank Inlet:
Septic Tank Outlet:
Pump Chamber Inlet:
Grease Trap Readings:
Stubout:
Inlet: Outlet:
Septic Tank Inlet:
Trench Information:
Trench No.: Trench Length: Elevations:

_____ _____ _____
_____ _____ _____
_____ _____ _____
_____ _____ _____
_____ _____ _____
_____ _____ _____

Inspected By: _____
☐ Dept. Staff ☐ Installer

Comments:

Installer
Printed Name:_____License #:_____
I hereby certify the system was installed in accordance with the referenced permit and R.61-56.
Installer Signature: _____Date: _____

THIS IS NOT AN APPROVAL TO OPERATE

THIS FORM MUST BE COMPLETELY FILLED OUT AND SUBMITTED TO THE LOCAL SCDES REGIONAL OFFICE WITHIN 48 HOURS OF SYSTEM INSTALLATION. THE SYSTEM CANNOT BE PLACED INTO OPERATION UNTIL AN OFFICIAL APPROVAL TO OPERATE IS ISSUED BY A DEPARTMENT REPRESENTATIVE.

Personal information provided on this form is subject to public scrutiny or release.

Final Inspection

Onsite Wastewater System

Instructions for Completing SCDES 4432

Purpose: This form should be utilized to record final installation of septic systems.

Audience: This form should be utilized by SCDES staff or a licensed septic system installer who will be conducting final inspections on septic systems.

Instructions:

1. Form must be completed as indicated and submitted to the Department.

2. If being completed by a licensed septic system installer, it must be submitted to the Department within two (2) business days of completing the system installation.

3. The abbreviations contained within this document are as follows:

    a. TM #: Tax Map Number
    b. No.: Number
    c. NTS: Not to Scale
    d. Mfr: Manufacturer
    e. Alt: Alternative
    f. Agg: Aggregate
    g. Inst: Installed
    h. Chmbr: Chamber
    i. Dist: Distance
    j. in: Inches
    k. ft: Feet

Office Mechanics & Filing: This form is maintained under Retention Schedule 07335, Onsite Wastewater System Application and Permit Records.