CONSTRUCTION PERMIT APPLICATION REQUIREMENTS FOR AN ON-SITE WASTEWATER TREATMENT SYSTEM

Upon submittal of an On-site Wastewater Treatment System Construction Permit Application, the following is required:

- Type and Components of the System
- Size of Septic Tank and Absorption System
- Depth of each trench (or depth of bed)
- Distance to Pertinent Areas (i.e. Setbacks)
- Site Plan – SEE EXAMPLE FOR REQUIREMENTS
- Floor Plan of Dwelling, including all finished and unfinished areas
- Field Evaluation
- Soil Profile Log
- Percolation Test Information
- Source and Location of Domestic Water Supply
- Replacement Area for Absorption System (if applicable)
- Printed Name and Signature of Certified Installer

Please be advised that no construction can begin until the OSWTS Construction Permit Application has been approved by Pennington County. A copy of the approved permit may be mailed/emailed to the certified installer following approval. If construction begins before the OSWTS Construction Permit is approved, a penalty fee may be assessed and must be paid before the final inspection is scheduled.

INSPECTION OF AN ON-SITE WASTEWATER TREATMENT SYSTEM

- The Certified Installer must set-up an inspection time with the Onsite Wastewater Specialist during normal duty day AT A MINIMUM OF 24 HOURS PRIOR to the needed inspection time.
- The Certified Installer shall provide an as-built diagram at the time of inspection with the following information:

  **Requirements for As-Built Drawings**

  The As-Built Drawing will be a layout drawing of the on-site wastewater treatment system located on the property showing all property lines, structures, well, etc. The As-Built Drawing, at a minimum, shall include ALL of the following:

  - Location of Septic Tank (or Holding Tank, if applicable) and Absorption System
  - Measured distances pertaining to all required setbacks (i.e. wells within 150 feet, property lines, distances to all structures on the property, high water lines, drainages, etc.) – for both the Septic or Holding Tank and Absorption System
  - North Arrow
  - All streams, creeks, bodies of water and drainage areas.
  - Any easements on the property
  - Length and width of each trench (or length and width of bed or mound)
  - Depth of each trench (or depth of bed)
  - Location of any Distribution or Drop Boxes
  - Absorption System Reserve Area
  - Signature and Date of Certified Installer
General Subdivisions Requiring Additional Septic Requirements For Submittal

Note: This is a general guideline of subdivisions. There may be other subdivisions and/or individual properties that will also require additional septic information for submitting an application. Applicants should always check the plat of the property for any special notes prior to submitting any applications. If the property is located within a Planned Unit Development, the conditions of the Planned Unit Development should be checked for any special requirements.

Aspen Estates:
1. Percolation test for drainfield.
2. Septic systems must be signed and stamped by a Professional Engineer – Approved by both Rapid City and Pennington County.
3. Complete report of soils performed by the Engineer.

Canyon Springs:
1. Home can only be four and one-half (4.5) bedrooms max (if larger than 4.5 bedrooms, property owner is responsible for the increase to the OSWTS).
2. System consists of Advanced Treatment Unit (ATU).
3. Applicant must have Service Contract for ATU.
4. Must verify community drainfield is in.

Holy Cow Subdivision #2:
1. Two (2) suitable on-site wastewater systems must be identified, with accompanying percolation tests and soil profiles.

Kieffer Ranch Estates:
1. Prior to issuance of a Building Permit, a reserve drainfield shall be identified.

Merchen Estates:
1. Percolation test for drainfield.
2. Percolation test for reserve drainfield (reserve area must be shown on the site plan).

Ranch at Black Gap:
1. Percolation test for drainfield.
2. Percolation test for reserve drainfield (reserve area must be shown on the site plan).
3. Engineered designed septic systems: Percolation testing, soil information, and septic design must be stamped and signed by a Professional Engineer.

Sheridan Lake Highlands:
1. Percolation test for drainfield.
2. Percolation test for reserve drainfield (reserve area must be shown on the site plan).

Silver Spur:
1. Percolation test for drainfield.
2. Percolation test for reserve drainfield (reserve area must be shown on the site plan).

Spring Creek Acres:
1. Percolation test for drainfield.
2. Percolation test for reserve drainfield (reserve area must be shown on the site plan).
3. Engineered designed septic systems.

Sunrise Ranch Estates:
1. Percolation test for drainfield.
2. Percolation test for reserve drainfield (reserve area must be shown on the site plan).

Sunset Ranch:
1. Percolation test for drainfield.
2. Percolation test for reserve drainfield (reserve area must be shown on the site plan).
3. Engineered designed septic systems.

Agape Land Subdivision:
1. Percolation test and profile hole for reserve drainfield (reserve area must be shown on the site plan).
REQUIREMENTS FOR AN EXCEPTION – The purpose of an exception is to modify specific requirements in the case of exceptionally irregular conditions whereby such application would result in practical difficulty or unnecessary hardship which would deprive an owner of the reasonable use of their property. Justification for the need of the exception must be provided and is such that they will not cause a violation of any existing water quality standard, cause a health hazard, or create a nuisance.

Requirement of Section 204-J of the Zoning Ordinance for which an Exception is requested:

☐ Obtaining an Operating Permit prior to the issuance of a Building Permit.
☐ Soil profile and percolation information valid for two years from evaluation date.
☐ The pipe entering and exiting the septic tank shall be at least six feet in length of Schedule 40 and unperforated until the first tee, distribution box, or drop box before the absorption field is encountered.
☐ The minimum required liquid capacity of a septic tank is 1500 gallons.
☐ The maximum depth of the absorption system shall be 36 inches.
☐ Additional absorption system area based upon unfinished square footage in dwelling.
☐ Other—

Hardship that is caused by the above requirement:

____________________________________________________________________________________________________________________________________________________

Description of Proposed On-site Wastewater Treatment System:

☐ Trench System  ☐ 4" Perforated Pipe  Septic Tank Size _______ gallons
☐ Bed System  ☐ Infiltrator System  Holding Tank Size _______ gallons
☐ Mound System  ☐ 10" Gravel-less pipe  Graywater Tank Size _______ gallons
☐ Holding Tank  ☐ ATU System

Current drainfield size _______ sq.ft.  Required drainfield size _______ sq.ft.

Operation, Maintenance and Troubleshooting Plan:  ☐ Yes  ☐ No ________________________________

Contingency Plan: ______________________________________________________________________________________

Owner/Installer Signature: ___________________________________________ Date: __________________

Approved ☐  Denied ☐  Reason: _______________________________________________________________________________

Onsite Wastewater Specialist: ___________________________________________ Date: __________________