

## Forced Main Sewage System Permit Application

**Permit Type:**  Owner  Contractor

**Application Date (M/D/Y):** \_\_\_\_\_

**Expected Completion Date:** \_\_\_\_\_

**Owner Name:** \_\_\_\_\_ **Address:** \_\_\_\_\_  
Phone: \_\_\_\_\_ City: \_\_\_\_\_ Prov: \_\_\_\_\_ Postal Code: \_\_\_\_\_  
Alt Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Email Address: \_\_\_\_\_

**Contractor Name:** \_\_\_\_\_ **Address:** \_\_\_\_\_  
Phone: \_\_\_\_\_ City: \_\_\_\_\_ Prov: \_\_\_\_\_ Postal Code: \_\_\_\_\_  
Alt Phone: \_\_\_\_\_ Fax: \_\_\_\_\_ Email Address: \_\_\_\_\_

**Project Location:** YELLOWSTONE **Municipal Address:** \_\_\_\_\_  
Plan: \_\_\_\_\_ Block: \_\_\_\_\_ Lot: \_\_\_\_\_ Subdivision: \_\_\_\_\_  
Legal Subdivision: W of: \_\_\_\_\_ M Rg: \_\_\_\_\_ Twp: \_\_\_\_\_ ¼ Sect: \_\_\_\_\_ Part of: \_\_\_\_\_ Tax Roll #: \_\_\_\_\_  
Directions: \_\_\_\_\_

**Project Type:** Commercial  Industrial  Residential  Septic Tank  or Alteration of Existing Holding Tank   
**Number of Bedrooms** \_\_\_\_\_ **or for other than residential see Table 2.2.2.2.B for type of facility being served.**  
**Expected Volume of Effluent:** \_\_\_\_\_  cubic meters per day  gallons per day  liters per day  
**SITE EVALUATION DIAGRAM:** Attach a **detailed** site diagram including the septic/ holding tank location in relation to buildings, distance to water supply and/or surface water bodies, and other pertinent information **(AS PER PART 7 OF THE PRIVATE SEWAGE SYSTEMS STANDARD OF**

**Project Information:**  New Installation  Alteration **Description of Work:** \_\_\_\_\_  
\_\_\_\_\_  
**Tank Capacity:** \_\_\_\_\_  Imperial Gallons  Litres **Depth to Water Table** \_\_\_\_\_

**Permit Applicant Declaration:** The information collected on this document will be used for the purposes allowed under the authority of the *Municipal Government Act*. The personal information that you provide may be made public, subject to the provisions of the *Freedom of Information and Protection of Privacy Act*. Questions regarding the collection and use of this information can be directed to the Freedom of Information and Protection of Privacy Coordinator for Parkland County, 53109A HWY 779, Parkland County, Alberta T7Z 1R1 (780-968-3229).  
\_\_\_\_\_  
Installer's Name (please print) \_\_\_\_\_ Installer's Signature \_\_\_\_\_ Homeowner's Signature (Homeowner permits only) \_\_\_\_\_  
Private Sewage Installer's Certification Number: **PS** \_\_\_\_\_

**Permit Fee:** \$ 250.00 **\*Safety Codes Levy:** \$ 10.00 (\*4% of permit fee with a minimum of \$4.50) **Total Fee:** \$ 260.00  
Payment Method:  Visa  M/C  Debit  Cheque  Cash **Receipt No.** \_\_\_\_\_

**Permit Validation Section to be completed by the Level 2 Plumbing Safety Codes Officer:**  
Special Conditions: \_\_\_\_\_  
\_\_\_\_\_  
SCO's Name (print or type) \_\_\_\_\_ SCO's Signature \_\_\_\_\_  
SCO's Designation Number \_\_\_\_\_ Date of Issue (M/D/Y): \_\_\_\_\_

## **For Office Use Only – Credit Card Authorization**

**PAYMENT AMOUNT:** \_\_\_\_\_

**Card Holder:** \_\_\_\_\_

**Card No:** \_\_\_\_\_

**Expiry Date:** \_\_\_\_\_

**Signature:** \_\_\_\_\_

**Please note that if you are remitting a payment with a credit card number, the application cannot be submitted by email to ensure security of your credit card information. Alternatively, you could remit by email WITHOUT the credit card information and include contact information for payment, but be aware that permits will not be processed until payment is received.**

**The application can be dropped off at our office, mail/couriered or remitted via fax at 780-968-3225.**

## SITE DESIGN CONSIDERATIONS

**Development served:**  Single family dwelling,  Shop,  Other \_\_\_\_\_

This property/lot size is \_\_\_\_\_ **acres** with dimensions noted on the site plan. There is , or is not , a well or buried cistern as a water source on this site. A minimum distance of **33 feet** must be maintained between a water source and the septic/holding tank. This setback distance on this site will be \_\_\_\_\_ **feet**.

There  **are**,  **are not**, any utility right-of-way's or easements on this property and as such will be noted on the site plan.

There  **are**,  **are not**, any discernible water courses on this property.

**Describe:** \_\_\_\_\_

A setback distance of \_\_\_\_\_ **feet** will be maintained from this watercourse.

## TANK REQUIREMENTS

**A septic tank** serving a detached single family dwelling shall have a minimum 740 working capacity or larger as per 2015 Standard of Practice requirements. The septic tank chosen for this site is a Model \_\_\_\_\_; Manufacturer \_\_\_\_\_ with a capacity of \_\_\_\_\_  Litres,  Imperial Gallons, or

**An existing Sewage Holding Tank** of a minimum capacity of 1000 Imp. gallons, fitted with an internal or external filtered pump vault, will be used in this design. The existing holding tank utilized at site will be a Model \_\_\_\_\_; Manufacturer \_\_\_\_\_ with a capacity of \_\_\_\_\_  Litres,  Imperial Gallons

**Pump Vault/Dose Tank specs included. Mandatory.**

## HIGH LIQUID ALARM LEVEL

A high liquid level alarm **must** be utilized in all holding tanks. The alarm that will be used in this design will be a: Manufacturer \_\_\_\_\_, Model \_\_\_\_\_.

## PUMP SELECTION

**Type of piping** from tank to main will be \_\_\_\_\_. **Size** of line from tank to main will be \_\_\_\_\_ **inches**, and rated at a **working pressure** of at least \_\_\_\_\_ **psi**.

The type of pump selected for this design will be a submersible effluent pump will be: **Manufacturer** \_\_\_\_\_, **Serial Number** \_\_\_\_\_

**Model Number:** \_\_\_\_\_, **Delivering 10 Imp. Gal/Min. at a total dynamic head of 175 ft. Dose volume selected for this system will be** \_\_\_\_\_ **Gallons/Dose.**

## DESIGN DECLARATION

All components utilized in this design are in compliance with the **2015 Standard of Practice** and the **North 43 Lagoon Commission Gunn Reginal Sanitary System on-Lot Service Connection Requirements**.

## OPERATIONAL MONITORING COMPONENTS

A detailed Operations and Maintenance (O&M) Manual will be provided to the owner/occupant upon the completion of the installation and must be referenced for details on maintenance intervals and the procedure for such activities, as well as pump replacement as pump output is critical to the proper working of this type of system.

## INITIAL OPERATIONAL SET-UP PARAMETERS

The following activities **must** be conducted in order to commission this system to ensure the design requirements have been achieved.

- Clean the septic/holding tank of any debris from construction.
- Confirm the float levels on pump on and off switches are set correctly and alarm will sound with enough head room to allow time for service. (Recommended 300 Gallons Head Room)

## REQUIRED DIAGRAMS

The attached Site Diagram will show; Tank to house orientation, location of well or buried cistern, property lines, location of driveway, any utility right-of-ways, and distances from septic/holding tank to all of these items. See items listed in margin of diagram page.

The attached System diagram will show: cross sectional view of tank(s), trash compartment, pump compartment, pump screen/filter, pump, check valve, float switches, float mast, discharge piping, curb stop and main.

**Manway access** to tank(s) **must** be brought to above finished surface grade.

Manufacturers pump design specs documentation attached. **Mandatory**

Filter/Screen design specs documentation attached. **Mandatory**

## INSPECTIONS

**Note:** Call for **INSPECTION PRIOR TO INSTALLING THE PUMP** so that inspectors can verify that pump information is correct. This is very important as the entire forced main system is dependent upon all pumps within the system being of the same output. If pump is installed prior to inspection you will be required to remove the pump so inspection can be completed. Curb stop will not be opened until inspection has been deemed compliant.

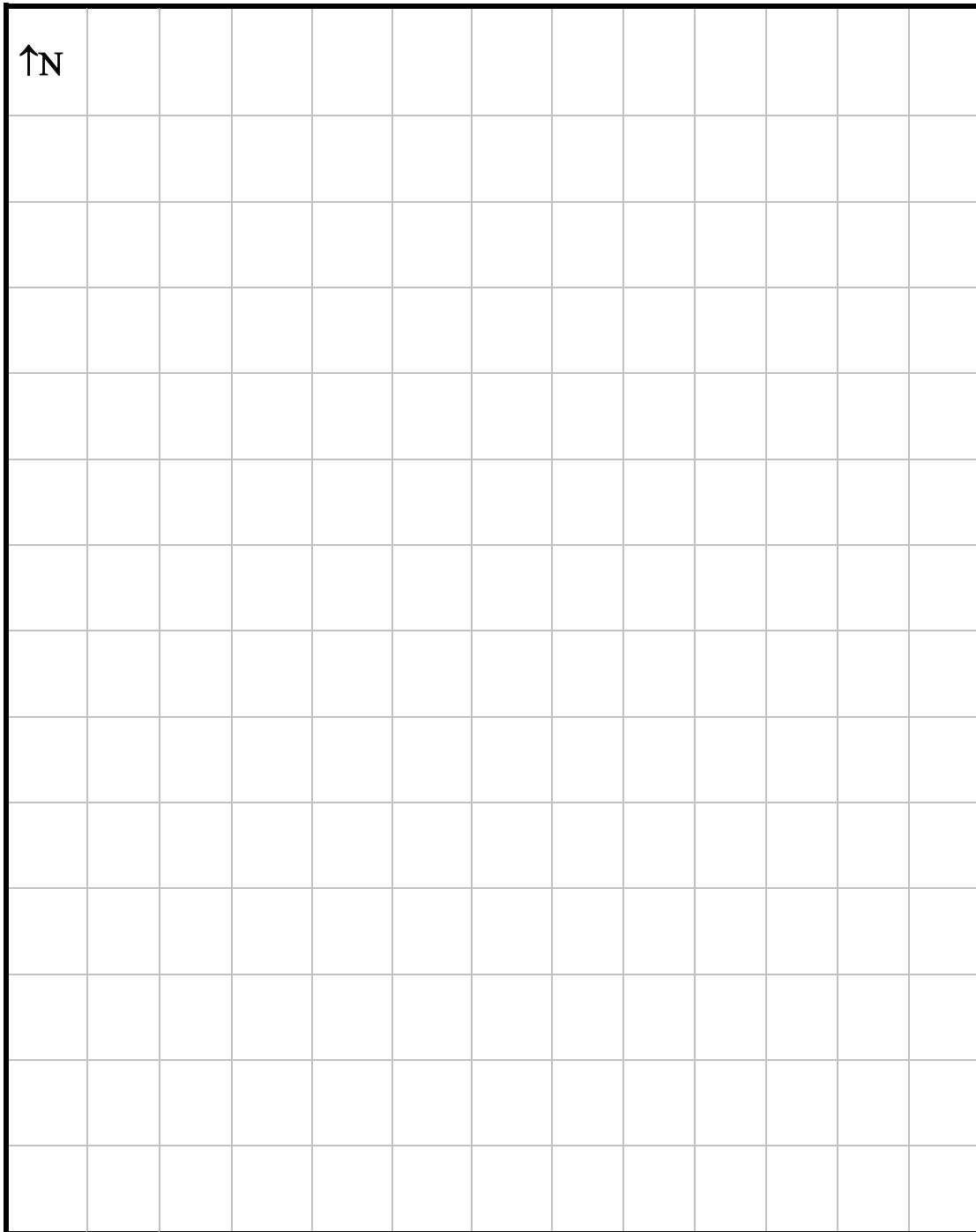
The information requested in this document must be submitted **in full** with the permit application as required by the Private Sewage Systems Standard of Practice 2015.

**INCOMPLETE APPLICATIONS WILL BE RETURNED.**

## Private Sewage System Site Evaluation Diagram

Legal Description: \_\_\_\_\_

↑N



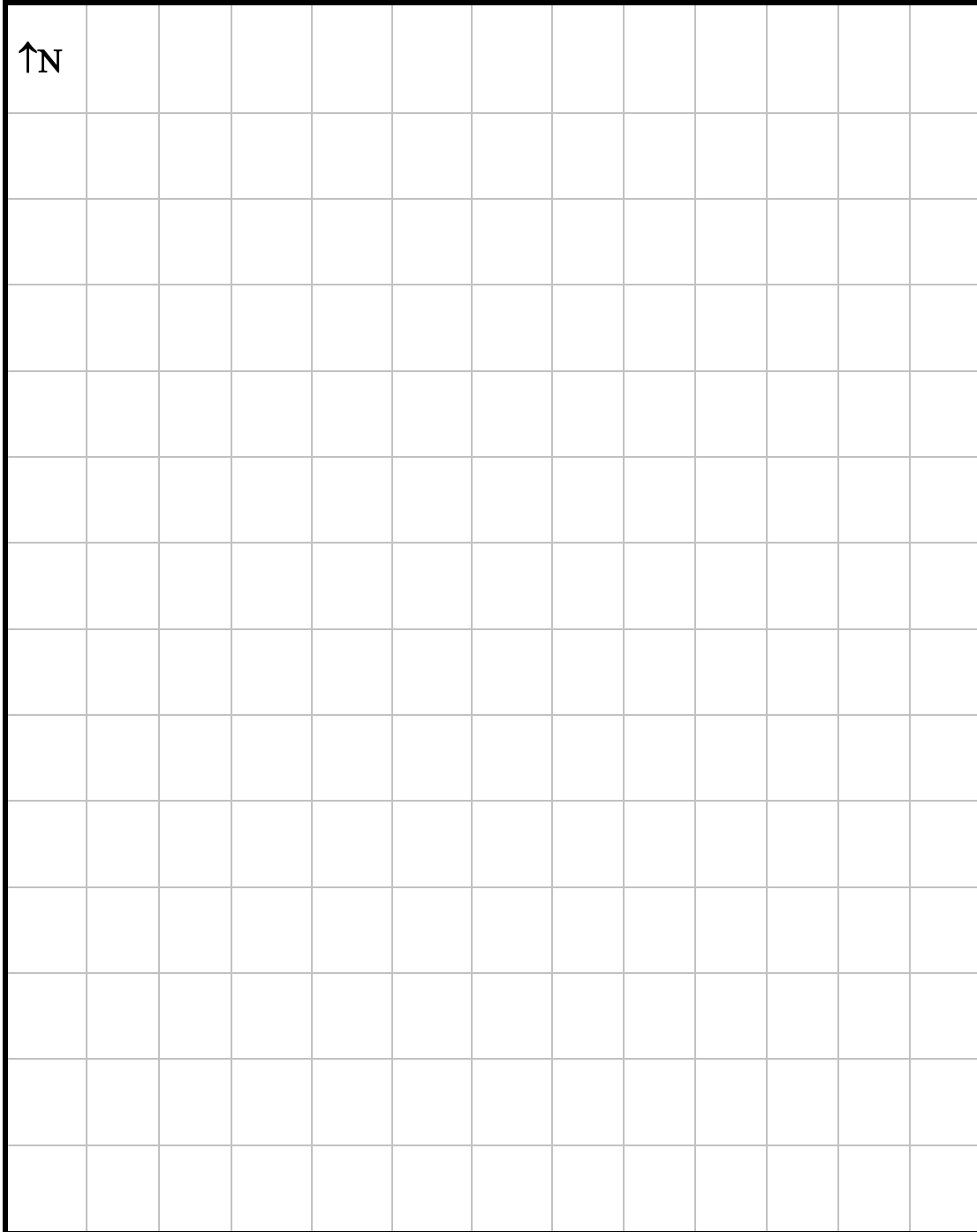
Show the proposed location of the onsite sewage system and indicate the distances from the following:

- trees
- floodplains/swamps
- wells
- waste sources
- bedrock
- vegetable gardens
- buildings
- property lines
- easement lines
- ditches or interceptors
- banks or steep slopes
- fills
- driveways
- existing sewage systems
- underground utilities
- parking areas
- rock outcroppings

**Note:** Additional information is required to be submitted separately for the system design detail next page.

## Tank, Piping and System Diagram

↑N



Show cross section of the tank(s) and indicate the location of the following items.

- Trash compartment
- Pump compartment
- Pump screen/filter
- Check valve
- Float mast and floats
- Pump
- Discharge piping
- Curb stop.
- Main