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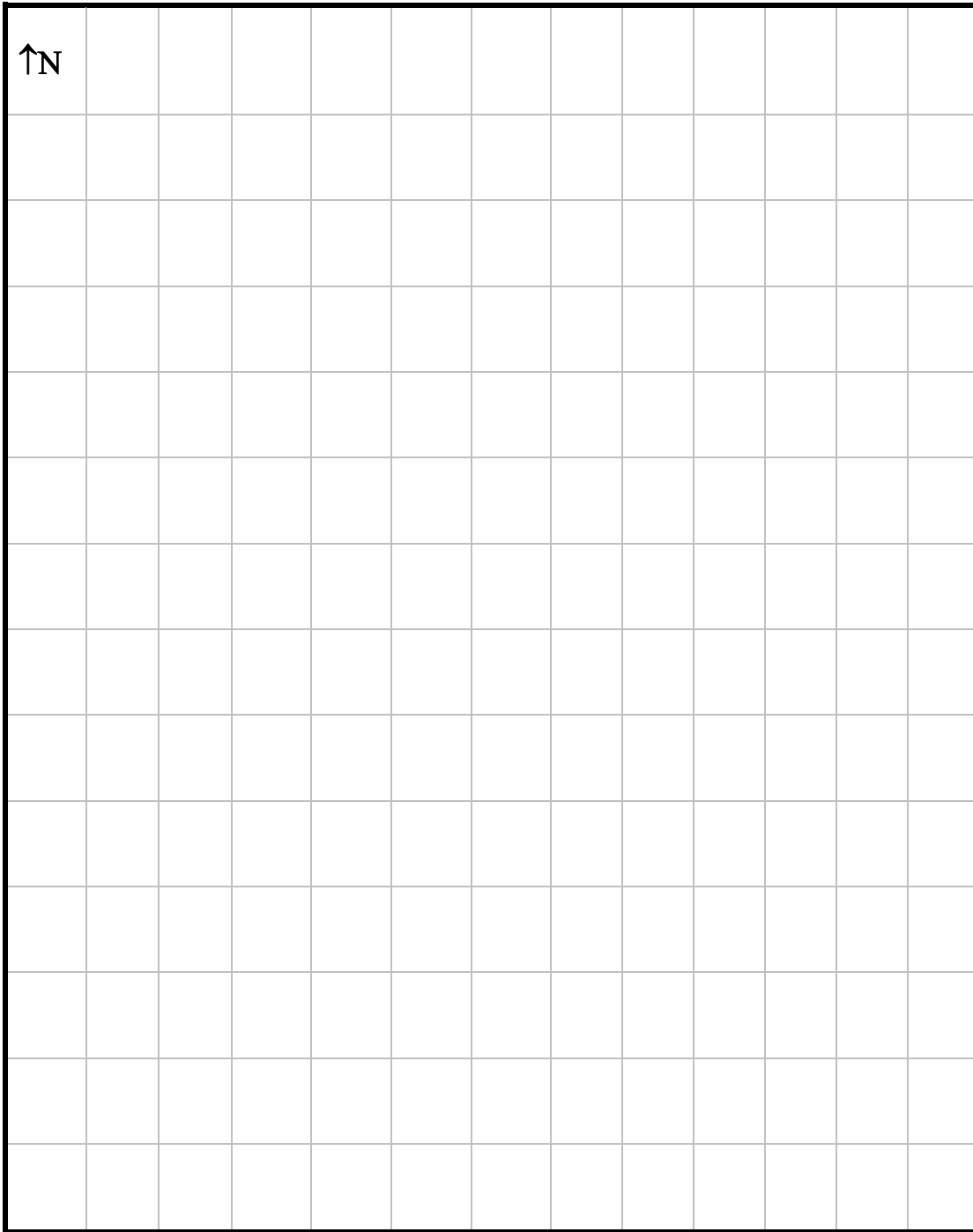
Signature: _____

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.



Private Sewage System Site Evaluation Diagram

Legal Description: _____



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

- trees
- floodplains
- wells
- waste sources
- bedrock
- outcrops
- buildings
- property lines
- easement lines
- ditches or interceptors
- banks or steep slopes
- fills
- driveways
- existing sewage systems
- underground utilities
- soil test pits

drainage course 	slope direction 	Test Pit 1 <input type="checkbox"/>	Test Pit 2 <input type="checkbox"/>
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Note: Additional information is required to be submitted separately for the system design detail.



SITE EVALUATION REPORT

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

Permit Number (to be assigned by the Permit Issuer): _____

Owner's Name: _____

Installer's Name: _____

Legal Land Description: _____

A detailed diagram of the site where the sewage system will be installed **must** be included.

The following information is to be shown on the diagram and must be to scale:

- Property size (in acres).
- All boundary lines, including the lengths in feet or meters.
- Buildings, roads, driveways and other property improvements - existing or proposed.
- Existing easements.
- Wells, cisterns or proposed water source locations on the property.
- Surface waters, rock outcrops and drainage features.
- Topography of the proposed treatment site. **
- Soil test pits locations with surface elevations. **
- Location of a permanent benchmark and it's elevation. **
- Outline of available treatment areas. **

** Not required for the installation of a sewage holding tank.

SOIL PROFILE REPORTING

The characteristics of each soil profile investigated shall be described using the Canadian System of Soil Classification nomenclature and include the following in the soil profile description:

- **Soil Horizons** – the distance from the ground surface to the top and bottom of each soil horizon observed shall be measured and distinctness and topography of the horizon boundaries described.
- **Soil Color** for each soil lies and identified, the matrix color and quantity, size, contrast, and color of any redoximorphic features present shall be described.
- **Texture** for each horizon identified, the soil texture classification including any appropriate texture modifier shall be reflected in this evaluation report and a **soil sample of the most restricting layer** affecting the design shall be collected and **analyzed at a laboratory** using a recognized grain or particle size analysis method to determine the texture of the same.

NOTE: Other than sandy clay, any texture that uses the word SAND in its description must include sand particle size.

- **Soil Structure** and grade of structure identified for each horizon.
- A statement regarding the treatment capability and dispersal capacity of the available site(s).
- Where the soil profile includes features that will require the lateral movement of water through the soil away from the dispersal system, identified constraints on the system design and allowable effluent hydraulic loading rates, as it relates to linear loading rates.
- A summary of the significant limiting conditions of soil profile and site.
- A justification of the locations and number of the soil profiles investigated.
- A description of the development being served including:
 - Characteristics affecting the determination of peak and average wastewater flows to be used in the design,
 - The peak daily wastewater flow volume to be used for the system design, and
 - Anticipated influent wastewater strength.
- Copies of laboratory soils analysis reports have been attached.
- Number of soil profiles investigated; a minimum of two (2) test pit excavations shall be investigated at the proposed location for the soil-based treatment component to classify and assess the treatment capacity of the soil.
- Minimum depth of soil investigation (choose appropriate depth as per YOUR design). The soil profiles shall be investigated to a minimum depth below ground surface of:
 - 4 feet for Treatment Mounds.
 - 9 feet for Treatment Fields receiving primary treated effluent (septic tank effluent).
 - 6.5 feet for Treatment Fields receiving secondary treated effluent (treatment plant, sand filter effluent).
 - 6 feet for Open Discharge systems.

NOTE: When the site evaluation report is complete the information from the report is to be used to produce your System Design Report. This includes any features that would require peak flow to be increased.



Name: _____

Alberta Private Sewage Treatment System Soil Profile Log Form

Date: _____

Owner Name or Job ID									
Legal Land Location								Test Pit	
LS – ¼	Section	Township	Range	Meridian	Lot	Block	Plan	Easting	Northing
Vegetation Notes:							Overall Site Slope %		
							Slope position of test pit		

Test Hole No.		Soil Subgroup		Parent Material		Drainage		Depth of Lab (sample #1)		Depth of Lab (sample #2)	
Horizon	Depth (cm) (in)	Texture	Lab or HT	Color	Gleying	Mottling	Structure	Grade	Consistence	Moisture	% Coarse Fragment

Depth to Groundwater:	Limiting Soil Layer Characteristic, describe:
Depth to Seasonal Saturated Soil:	Depth to Limiting Soil Layer:
Limiting Topography:	Depth to Highly Permeable Layer:
Key Limiting Features on System Design:	
Weather Condition Notes:	
Comments (such as root depth & abundance or other pertinent observations):	



Name: _____

Alberta Private Sewage Treatment System Soil Profile Log Form

Date: _____

Owner Name or Job ID									
Legal Land Location								Test Pit	
LSD- 1/4	Section	Township	Range	Meridian	Lot	Block	Plan	Easting	Northing
Vegetation Notes:							Overall Site Slope %		
							Slope position of test pit		

Test Hole No.		Soil Subgroup		Parent Material		Drainage		Depth of Lab (sample #1)		Depth of Lab (sample #2)	
Horizon	Depth (cm) (in)	Texture	Lab or HT	Color	Gleying	Mottling	Structure	Grade	Consistence	Moisture	% Coarse Fragment

Depth to Groundwater:	Limiting Soil Layer Characteristic, describe:
Depth to Seasonal Saturated Soil:	Depth to Limiting Soil Layer:
Limiting Topography:	Depth to Highly Permeable Layer:
Key Limiting Features on System Design:	
Weather Condition Notes:	
Comments (such as root depth & abundance or other pertinent observations):	

