Flathead City-County Health Department
1035 First Ave. West
Kalispell, MT 59901
(406) 751-8101 FAX 751-8102
www.flatheadhealth.org

Service	Fee	Cost
Full Monitoring (1-4 pipes)	$540	NA
Full Monitoring/additional pipes ($60/each pipe)	$60	NA
Spot Checking (1-4 pipes)	$200	
Spot Check-additional pipes ($40/pipe)	$40	
Total Cost	--	
Receipt Number		

GROUNDWATER MONITORING APPLICATION

Applicant Name_____ Phone _____
Applicant Address_____
Email: _____
Parcel Address_____
Owner's Name (if different) _____
Legal Description Section_____ Township_____Range_____Plat Room Tract ID _____
Legal Description _____1/4_____1/4 Assessor #_____
Subdivision Name: _____Lot _____ Block_____
Directions or map showing how to access the site (**no larger than 11 x 17**).
Attach additional directions as necessary.
Directions:_____
_____
_____

Instructions and Check List:

□ Complete the Groundwater Monitoring (GWM) application. The property owner's signature is required for Groundwater Monitoring registration.

□ A site plan which shows the entire parcel, North arrow and detailed location of test pipes. **All test pipes must be numbered and labeled. Test pipe labeling must coordinate with map and log.**

□ Complete top portion and submit Groundwater Measurement Log. If the pipes are not registered, the monitoring is not accepted and may need to be completed the next monitoring season.

□ The **application**, **site plan**, **GWM log** and **payment** must be turned in to the Environmental Health Department for registration. Make check out to FCCHD.

□ Measurements must be recorded **weekly** on the department GWM Log (minimum of one recording every 7 days). Less frequent monitoring may void monitoring for the current period and result in the need to monitor through the next groundwater monitoring season.

□ Upon completion of monitoring, the owner/representative shall submit the completed GWM log. The application and log must be turned in to the department by August 1st of the current monitoring year.

GWM season typically starts in March and goes through the end of June, however, some locations can start earlier or go later depending on the peak.

Owner's Signature_____ Date_____

By submitting this form, the property owner authorizes the Flathead City-County Health Department to enter onto their property for the purpose of observing groundwater levels at any monitoring pipe location. I hereby certify that submitted monitoring and logged measurements are true, complete and correct to the best of my knowledge.

Note: A parcel may not be re-monitored unless the new proposed pipe location is geographically or topographically unique from the previously monitored location. GWM pipe(s) may need to be re-monitored if the runoff is abnormally low, as determined by the Department. If a pipe(s) failed one year it may not be re-monitored another year. A new pipe can be installed in another location on the property at the discretion of the Department.

GROUNDWATER MONITORING
MEASUREMENT LOG

Year _____

Zone _____
Pre-Subdivision _____
Previously monitored
Yes___ No____
Septic Application _____

Owner Name: _____

Property Address: _____ S____ T____ R____

Assessor: _____ Tract ID _____ ***AND/OR***

Subdivision _____ Lot # _____ Block _____

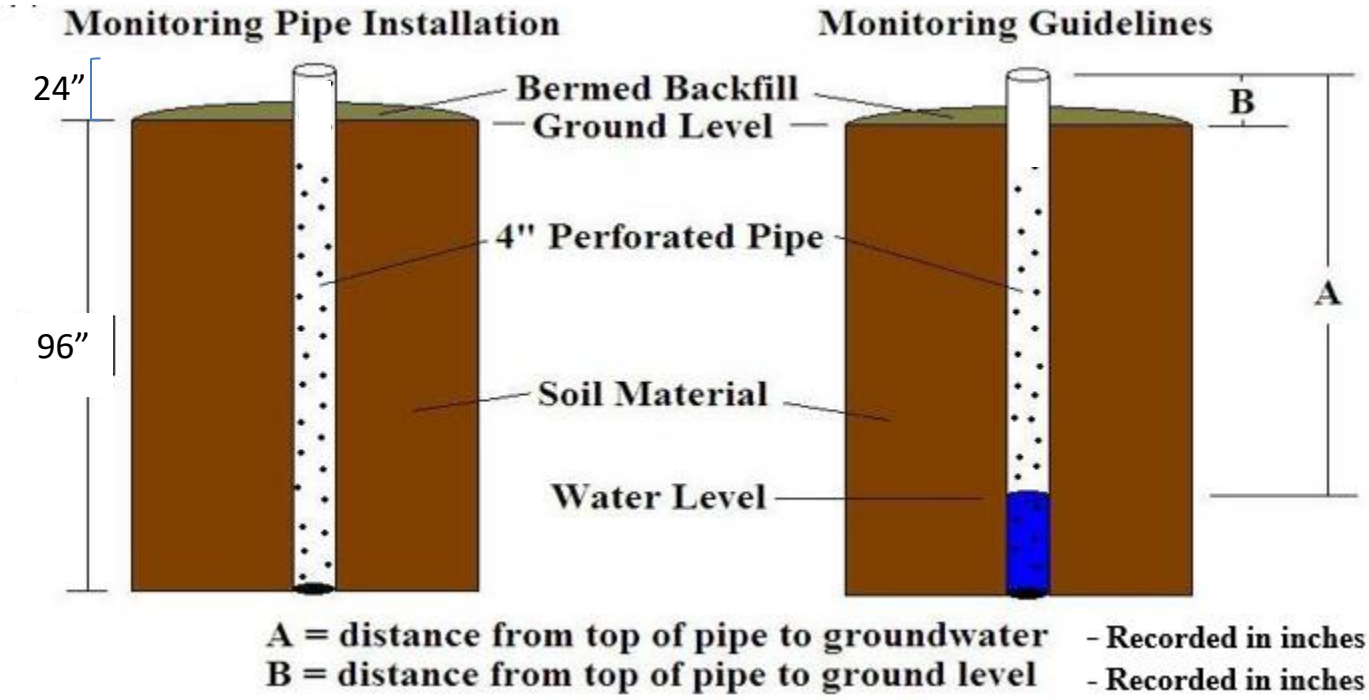
_____ _____
Date Registered Date Returned

Measurements must be in inches. If dry- note dry and record depth from A-B.

Initial	**Date**	**Site # 1**			**Site # 2**			**Site # 3**			**Site # 4**		
	MM/DD/YY	A	B	A-B	A	B	A-B	A	B	A-B	A	B	A-B
Example	3/15/2021	90"	10"	80" Dry									

Installation Recommendations:

- A 10’ long 4” diameter schedule 40 perforated pipe is preferred. Perforation must extend from 1 foot below the ground surface to 8 feet below the ground surface (bottom of pipe).
- Care should be taken when burying the pipe to not crush or bend it and to ensure that it remains vertical in the hole
- Observation wells must be installed within 25’ of the proposed absorption system and on the same elevation
- Mounding up of material around the base of the pipe is acceptable and recommended to account for settling of the loose soils around the pipe after the hole is backfilled. **Keep in mind that measurement B should be taken from the *natural ground surface***. Environmental health staff will write this information on the pipe upon their first visit.



Measuring Procedures:

- Lower a measuring tape or stick to the water level and measure the distance from the water level to the top of the pipe (see example above). Water levels should be measured to the nearest inch. A plunking device or electronic water sensor can also be used. Data should be submitted in a similar form to that of the example on the Measurement Log.
- Measure the distance from the top of the pipe to the natural ground surface (B distance) (see example). Then measure the distance from the top of the pipe to the water level (A distance) (see example). Subtract B from A. This value equals the actual separation between the water table and the natural ground surface.

Note: Groundwater results alone do not dictate approval of a septic system