

# PACIFIC groundwater GROUP

March 12, 2018

Lynne Danielson, General Manager, Olympic View Water and Sewer District

And

Stewart Mhyre, Executive Director Business and Operations, Edmonds School District

Re: Proposal for participation as neutral third-party in Madrona School stormwater monitoring plan

Ms. Danielson and Mr. Mhyre,

As requested, this letter contains a scope of work and cost estimate to assist you in agreeing on a monitoring plan for the Madrona School stormwater infiltration system. We understand that this letter will be attached to a contract agreement provided by either the Edmonds School District or Olympic View Water and Sewer District (OVWSD).

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## SCOPE OF WORK

### Document Review and Preparation for a Facilitated Meeting

Pacific Groundwater Group (PGG) will review documents provided by both parties, and other pertinent documents selected and procured by PGG. The School District will provide Shannon and Wilson's geotechnical and hydrogeological reports, the SEPA checklist for the project, final plans and specifications, the UIC well monitoring plan submitted to the Department of Ecology (DOE), DOE comments, test results to date and other relevant documentation. OVWSD will provide the wellhead protection program, evaluations of the monitoring plan prepared by OVWSD staff, Robinson and Noble, and the Washington State Department of Health, and other documentation.

### Meeting Facilitation

PGG will host and facilitate a one-day discussion. Principal attendees are expected to be representatives from Shannon and Wilson, and, Robinson and Noble. Representatives of OVWSD and the School District will also be invited. The focus of the discussion will be to review the sufficiency of the School District's UIC well monitoring plan as a means to monitor and assess potential impacts of the project on groundwater resources and OVWSD wells. The agenda may be expanded to cover related technical topics.

### Written Summary

Within one week following the meeting, PGG will produce written documentation of the meeting, summarizing the discussion and including its findings.

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## **COST, TERMS, AND CONDITIONS**

Our estimated cost to complete tasks 1 through 3 above is \$8,800, the basis of which is shown in the attached table. Costs will be invoiced monthly on a time-and-materials basis. This estimated total cost will not be exceeded without your authorization. If unexpected circumstances are encountered that necessitate work beyond that assumed in estimating the cost, PGG will bring this to your attention and seek your approval for any added expenditures.

Terms and Conditions for this work are contained in the covering Consultant Agreement, once signed; however, the standard of care contained in the Consultant Agreement (clause 2b) shall be replaced by the following:

PGG's professional services will be performed, its findings obtained, and its report prepared in accordance with generally accepted hydrogeologic practices applied in this vicinity at this time. This warranty is in lieu of all other warranties, express or implied.

**Respectfully submitted,  
Pacific Groundwater Group**

Charles Ellingson, LHG

Principal Hydrogeologist

Attachment: Cost Estimate Details

**Estimated Cost for Pacific Groundwater Group**  
**Proposal for participation as neutral third-party in Madrona School stormwater monitoring plan**  
**12-Mar-18**

Project Task/Subtask	Principal \$190 /hr	Sr. Tech \$130 /hr	Project Tech \$120 /hr	Support \$70 /hr	Total Labor	Subtask Cost	Total Costs
<b>Document Review and Preparation for a Facilitated Meeting</b>							<b>\$8,800</b>
Document Review and Prep	24				\$4,560	\$4,560	
Meeting Facilitation	8		8	1	\$2,630	\$2,630	
Written Summary	3		8		\$1,610	\$1,610	
Total Hours	35	0	16	1			
Subtotal Dollars	\$ 6,650	\$ -	\$ 2,080	\$ 70		\$ 8,800	
Supplies, equipment, and subcontractor markup							\$0
<b>Estimated PGG Cost</b>							<b>\$8,800</b>