

October 9, 2015

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Water for Life  
Alberta Transportation  
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**RE: MALLAIG REGIONAL WATER SYSTEM – WATER FOR LIFE GRANT APPLICATION**

Please consider this letter as a formal application under the Water for Life Grant Program for design and construction of a new regional water system from Ashmont to Mallaig.

**PROJECT HISTORY**

There has been a great deal of work done over the past 6 years to determine a new, sustainable potable water source for hamlets of Ashmont, Lottie Lake and Mallaig. On November 10<sup>th</sup>, 2015, the County of St. Paul Council passed a resolution to move forward with extending the existing regional water system in Spedden to the existing reservoir in Ashmont. This regional water system has its source through EPCOR in Edmonton and is delivered to Spedden through the Capital Region Northeast Water Services Commission and the Highway 28/63 Regional Water Services Commission.

Work for the extension to Ashmont is currently underway (Water for Life Grant 703623) and now planning must begin for the next extension from Ashmont to Mallaig. The proposed extension to Mallaig is part of the regional servicing strategy outlined in the St Paul Regional Water Feasibility Study (Associated Engineering, 2009).

**PROJECT DESCRIPTION**

Figure 1 below outlines the proposed route for the Mallaig extension from Ashmont. This route follows the Iron Horse Trail alignment between the two Hamlets. The proposed system is designed to service the Mallaig water demand for the projected population in 2040 (25 year horizon). The design flow is estimated at 3.9 L/s. The transmission system includes:

- 22km of pipeline – 200mm HDPE
- Chloramine boosting in Ashmont

- Reservoir filling station in Mallaig
- Communication upgrades

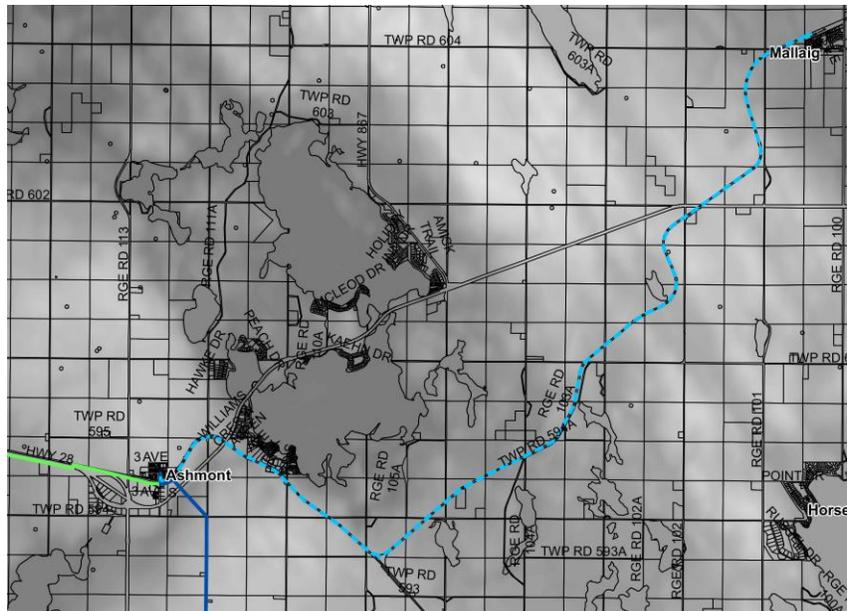


Figure 1 – Proposed Water Line Alignment from Ashmont to Mallaig

### **Upgrades to the Highway 28/63 Commission System**

As outlined in a report from Associated Engineering titled, “*Hwy 28/63 Servicing Capacities Ashmont and Mallaig Servicing Areas*” (Sept 2014), the additional demand triggered by the Mallaig connection will require upgrades to the Highway 28/63 Regional Water System. This includes upgrades to the existing pump stations in Egremont and Smoky Lake and installation of a booster station in Edward.

### **COST ESTIMATE**

The estimated order of magnitude cost for design and construction of the proposed transmission system from Ashmont to Mallaig is \$7.2M (including 15% engineering and 25% contingency). To support this extension, the necessary upgrades to the Highway 28/63 Commission system are estimated at a value of \$3.0M (including 15% engineering and 25% contingency).

In summary, the estimated cost for extension of the existing water system from Ashmont to Mallaig is **\$10.2M**. The County respectfully requests this amount to be considered under Water for Life grant funding program.

**CLOSING**

The County looks forward to your review and approval of the outlined project. We are excited to complete the next phase of this project bringing water to the residents of Mallaig. Please do not hesitate to contact me should you require further information or clarification regarding the project.

Sincerely,

Sheila Kitz, CLGM

Chief Administrative Officer

County of St. Paul