

# CWMM Consulting Engineers Ltd.

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May 16, 2017

K5249

Monaghan Engineering and Consulting Ltd.  
3710B – 28<sup>th</sup> Street  
Vernon, BC V1T 9X2

**Attention: Curtis Hodges, P.Eng.**

**Re: Enderby Bridge Temporary Water Main, Enderby, B.C.**

We understand that a temporary emergency water main is needed to cross the existing highway bridge located along Mabel Lake Road crossing the Shuswap River at Enderby. The pipe is a 200mm diameter HDPE pipe contained within a 250 diameter casing pipe which will extend along the north sidewalk over the full length of the bridge. The pipe will be situated between the existing guardrail and a continuous row of temporary 460mm high x 3m long barriers. The configuration is as shown on Monaghan Engineering drawing WAT-1 (Rev. 1) dated April 24-17.

It is reported that the pipe and casing have a combined weight of 52 kg/m while the barrier segments weight 810kg each. We also understand that incidental loads related to water hammer will not be significant. It is also noted that the sidewalk will be closed to public access during the time period where the pipe will be present.

It is our consideration that the presence of the water pipe will not adversely affect the performance of the bridge structure.

Sincerely

**CWMM Consulting Engineers Ltd.**

Don D. Bergman, M.Eng., P.Eng., Principal