

# memorandum



To: E.C. Lane  
Head  
Structural Section  
Eastern Region

FROM: Foundation Design Section  
Room 315, Central Building

RE: Waterton Flume Culvert  
WO 90-11014, Contract 88-26  
Hwy. 7, District 8, Kingston


Date: 1990 10 30

Further to your memo of September 27, 1990, we inspected the foundations for the above-noted culvert on October 30, 1990 and its associated flume. Our comments follow:

- i) The culvert is founded on bedrock. The exposed bedrock was evaluated and is considered to be suitable for the proposed footings.
- ii) The existing structure set back from the sides of the flume is acceptable, but should not be decreased.
- iii) Due to our concerns with the unstable bedding configuration of particularly the included schist deposit, we recommend that vibrations during construction should be minimized. This would definitely preclude blasting or heavy hammering of the bedrock. If there are concerns about the slope of the footing surfaces we recommend that you use dowels to supplement sliding resistance.

If there are any questions, please advise.

DD/mmj

  
D. Dundas, P. Eng.  
Sr. Foundation Engineer