



## **Addendum No. 2**

City of Coquitlam

RFIQ No. 24-054

### **Diking & Flood Protection Analysis, Design, and Contract Administration (Coquitlam and kʷikʷəłəm)**

Issue Date: June 10, 2024

Total Page Count: 2

Respondents shall note the following amendments to the RFIQ documents:

#### **REVISIONS:**

#### **QUESTIONS:**

Q1. Can you explain what a flood box is? Are there any details or drawings you can provide?

**A1. See the snip below for a definition from the [Flood Hazard Management guide for practitioners produced by the Fraser Basin Council](#):**

#### **Flood Pumps and Flood Gates/Flood Boxes**

Dike construction and development of lowlands requires "internal" drainage behind the dikes to be managed. For example, streamflows from tributary streams and drainage ditches that once flowed freely into the Fraser or other rivers, must now be collected and released through flood boxes or pumped through the dike system using pumps during high water periods.

A flood box is a culvert or set of culverts that provides hydraulic connectivity through dikes that separate internal drainage areas and the receiving waters. Flood boxes are located where small watercourses intersect a dike or where estuaries have been reclaimed and isolated from tidal influence by a dike. They are also found at most pumping stations on larger streams. A flap gate mounted at the discharge end of the culvert allows the gravity discharge of flow in a downstream direction only, thereby acting as a check valve by preventing back flow from the mainstem when the mainstem water level exceeds that behind the dike (Thomson 2005).

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#### ***End of Addendum No. 2***

Proponents take into account the content of this Addendum in the preparation and submission of the Proposal which will form part of the Contract and should be acknowledged on the Proposal Submission Form.

Upon submitting a Proposal, Proponents are deemed to have received all addenda that are issued and posted on the City's website and considered the information for inclusion in the Proposal Submission.

*Issued by:*

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