



## **WATER CONTROL STRUCTURE**

### INSTALLATION AND MAINTENANCE GUIDE

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#### **INSTALLATION :**

- Wrap coupler, mechanical rubber coupler or bell with integrated gasket should be used to attach control structure to existing pipe.
- The structure shall be installed on solid, undisturbed soil
- Structure's inlet and outlet pipe should be installed a minimum of 300 mm (12") under ground level.
- Logs must be in place during installation.
- Ensure that the structure is vertically leveled and backfill around structure by hand in 150 mm (6") layers using native materials. Never use a backhoe or blade to backfill directly against structure, as this may cause structural damage.
- The structure's outlet should be connected to a non-perforated pipe. The length of this pipe must be at least 6 m (20'). Rodent grate should be installed on downstream end, to prevent potential blockage.
- Anti-seepage collars are recommended.

#### **MAINTENANCE :**

- Twice a year (Spring and Fall), create a full opening by lifting the bottom log up, at least the height of the pipe diameter, to allow water flow to wash away any accumulated sediment and/or debris.
- Every time logs are placed in the structure, they should be gently tapped with a deadblow hammer to ensure a tight seal. For logs out of reach, position the rod handle on it and gently tap, ensuring even movement across the log (to avoid binding).