

Schedule F – Stream Modification or Diversion

Project Description

(Please complete one Schedule for each modification)

Location

Site Name/No: _____

Please mark location on a copy of a topographic map (preferably at 1:50,000 scale) and include with the application:

1:50,000 Topographic Map No: _____

or provide UTM Coordinates:

N _____ E _____ NAD _____ ZONE _____

Design

Please refer to Chapter 7 Environmental Guidelines for Diversions, New Channels, Major Alterations:

<https://www.gov.nl.ca/ecc/files/waterres-regulations-appforms-chapter7-2.pdf>

Drainage Area Profile:

Drainage Area: _____ km²

Main Channel Length: _____ km

Slope of Drainage Area: _____ %

Drainage Area Classification:

Forest: _____ %

Barren: _____ %

Wetland: _____ %

Urban: _____ %

Hydrologic Details:

Return Period: 1: _____ years

Estimation Method: Rational TR55 RFFA Other _____

Maximum Flow: _____ m³/s Design Flow: _____ m³/s

Description of Estimation:

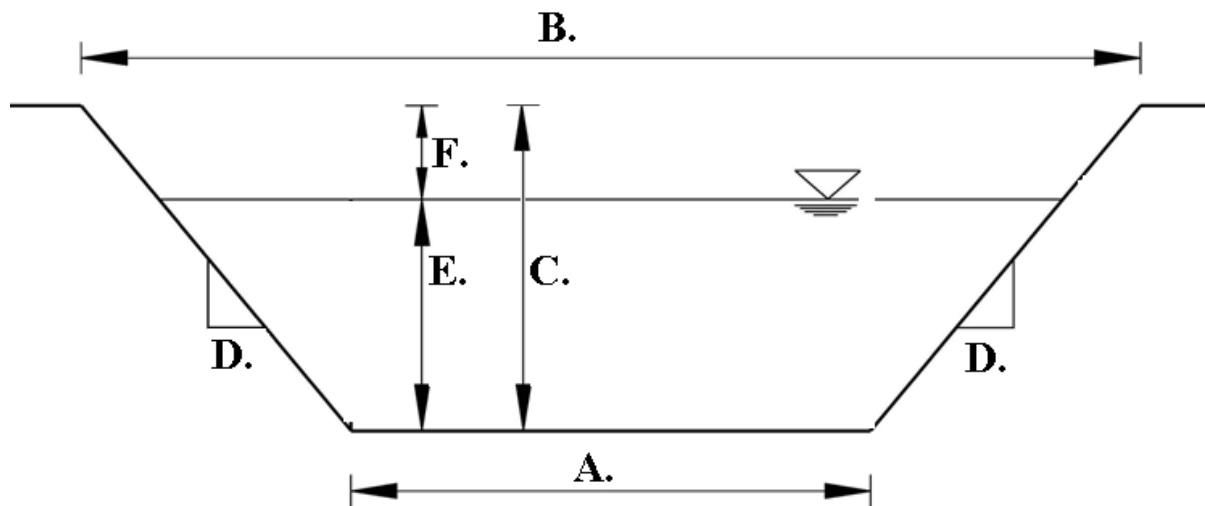
Please show calculation(s) below or attach separate sheets, if required.

Design (cont'd)

Dimensions: Please provide the following three (3) Stamped Engineering Drawings illustrating all items listed below:

DWG #1 Plan View / Site Layout:
 Length of Channel: _____ metres
 Extent of Floodplain _____ metres

DWG #2 Cross-sectional View:
 A. Bottom width of channel: _____ metres
 B. Top width of channel: _____ metres
 C. Channel depth: _____ metres
 D. Slope of embankments: _____ H:V
 E. High Water Level: _____ metres
 F. Freeboard: _____ metres
 Diameter of riprap _____
 Energy dissipaters _____



DWG #3 Longitudinal View:
 Slope of Channel: _____
 Length of Channel: _____ metres

Hydraulic Details:

Maximum Velocity: _____ (m/s) Minimum Velocity: _____ (m/s)
 Maximum Flow: _____ (m³/s) Minimum Flow: _____ (m³/s)

Construction

Equipment to be used: _____

Proposed dewatering method: _____

Briefly describe how erosion control and stabilization will be carried out:

Briefly describe how site restoration will be carried out:

Technical guidelines, departmental policies and application forms are available at:
<https://www.gov.nl.ca/ecc/waterres/regulations/appforms/>