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

Drainage Area Profile:

Drainage Area: _____ km^2

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: _____ m^3/s

Design Flow: _____ m^3/s

Description of Estimation:

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

_____

_____

_____

_____

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_____

Design (cont'd)

Dimensions: Please provide the following drawings:

(a) Site Layout (b) Cross-sectional View (c) Longitudinal View

For the proposed channel modification these drawings should show:

- Bottom width of channel
- Top width of channel
- Channel depth
- Slope of channel embankments
- Normal water depth
- Low water level
- High water level
- Slope of channel
- Extent of floodplain
- Diameter of rip-rap
- Energy dissipaters

Hydraulic Details:

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

Maximum Flow: _____ (m^3/s) Minimum Flow: _____ (m^3/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:
www.gov.nl.ca/env/water