CANADA — BRITISH COLUMBIA
FRASER RIVER FLOOD CONTROL 1968 AGREEMENT

Water Planning and Management Branch
Inland Waters Directorate
Pacific and Yukon Region
Department of the Environment
Vancouver, British Columbia

Water Investigations Branch
Ministry of Environment
Victoria, British Columbia

CITY OF NEW WESTMINSTER
QUEENSBOROUGH AREA

Operation and Maintenance Instructions
Flood Control Works

VOLUME 3
AS CONSTRUCTED DRAWINGS

Associated Engineering Services Ltd., Consulting Engineers, 1661 West 8th Avenue, Vancouver, British Columbia V6J 1V1
RECORD OF AMENDMENTS

All amendments are to be issued through the Inspector of Dykes.

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CITY OF NEW WESTMINSTER
QUEENSBOROUGH AREA

Operation & Maintenance Instructions
Flood Control Works

THE MANUAL
The operation and maintenance instructions for the flood control works for the City of New Westminster, Queensborough Area, are provided in two Volumes.

VOLUME 1 GENERAL INSTRUCTIONS

VOLUME 3 AS CONSTRUCTED DRAWINGS
CITY OF NEW WESTMINSTER
QUEENSBOROUGH AREA
Operation and Maintenance Instructions
Flood Control Works

Volume 3
AS CONSTRUCTED DRAWINGS

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For Area on South Dykes immediately West of
Annacis Causeway.

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Protection in Queensborough
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CANADA · BRITISH COLUMBIA

FRASER RIVER FLOOD CONTROL 1968 AGREEMENT
PROJECT NO. 11, CITY OF NEW WESTMINSTER

CONTRACT NO. 1: NORTH DYKES RECONSTRUCTION
QUEENSBOROUGH AREA -
LULU ISLAND

AS CONSTRUCTED DRAWINGS

AESL
ASSOCIATED ENGINEERING SERVICES LTD.
Consulting Engineers

VANCOUVER B.C.
PLAN

TOE OF BANK PROTECTION

TOP OF SLOPE OF BANK PROTECTION

OF EXIST DRYKE RIM

SHEET PILES

SCALE

NOTE:
HORIZONTAL & VERTICAL LOCATION OF GAS MAIN WIDTH OF 87' BAND IS ASSUMED.
CONTRACTOR IS RESPONSIBLE FOR ASCERTAINING CORRECT LOCATION PRIOR TO CONSTRUCTION.

DRAWN BY... REVIEWED BY... APPROVED BY... DATE...
CANADA · BRITISH COLUMBIA

FRASER RIVER FLOOD CONTROL 1968 AGREEMENT
PROJECT NO. 11, CITY OF NEW WESTMINSTER

CONTRACT NO. 2: CONSTRUCTION OF FLOODWALL
AT MACMILLAN BLOEDEL NEW WESTMINSTER
SAWMILL DIVISION

AS CONSTRUCTED DRAWINGS

AESL
ASSOCIATED ENGINEERING SERVICES LTD.
Consulting Engineers
VANCOUVER B.C.
CONTACT No. 3
CONSTRUCTION OF FLOODWALL AT
WHONNOCK LUMBER COMPANY
CANADA · BRITISH COLUMBIA

FRASER RIVER FLOOD CONTROL 1968 AGREEMENT
PROJECT NO. 11, CITY OF NEW WESTMINSTER

CONTRACT NO. 3, CONSTRUCTION OF FLOODWALL
AT WHONNOCK LUMBER CO. LTD.

AS CONSTRUCTED DRAWINGS

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Consulting Engineers
VANCOUVER B.C.
CANADA - BRITISH COLUMBIA
FRASER RIVER FLOOD CONTROL 1968 AGREEMENT
PROJECT NO. 11, CITY OF NEW WESTMINSTER

CONTRACT NO. 4
SOUTH DYKES RECONSTRUCTION
QUEENSBOROUGH AREA - LULU ISLAND

AS CONSTRUCTED DRAWINGS
NOTES.
1. BOTTOM OF STAIRWAYS TO TIE INTO EXISTING DOORS, WALKWAYS, RAMPS, ETC.
2. NUMBER OF RISERS PER STAIRWAY TO BE DETERMINED BY THE ENGINEER.
3. STAIRWAYS NOT TO BE CONSTRUCTED UNTIL AT LEAST 1 MONTH AFTER CONSTRUCTION OF DIKE.
4. BERM-TYPE PARKING AREAS TO BE CONSTRUCTED ON LANDSIDE OF DIKE ONLY UPON DIRECTION FROM THE ENGINEER.
GENERAL LAYOUT

SECTION

ELEVATION

NOTE A.
1. PANELS SHALL BE PROTECTED AGAINST HARD TAKING BY STICKING TO GAUGE GAUDES UNTIL MIRroring THE PANEL, IT IS TO BE THE PANEL.
2. PANELS SHALL BE TAKEN TO ENCLOSE THE PANEL UNTIL IT IS TO BE THE PANEL.
3. PANELS SHALL BE PROTECTED AGAINST HARD TAKING BY STICKING TO GAUGE GAUDES UNTIL MIRroring THE PANEL, IT IS TO BE THE PANEL.

CAST-IN-PLACE CONCRETE PANEL ELEVATIONS

ALL PANELS TO BE AT LEAST 944" OF ELEVATION.
PLAN
FLOOD BOX OUTLET

PLAN
HORIZONTAL CORNER REINFORCEMENT

PLAN
PUMP STATION OUTLET

SECTION

ELEVATION

SECTION

ELEVATION

Note: Pipes shall be structurally independent from concrete structure.

Note: For additional reinforcing around pipe openings see CS 5302.

Note: For additional reinforcement around pipe see CS 5302.
1972 EMERGENCY BANK PROTECTION
CONSTRUCTION FOR AREA ON SOUTH DYKES IMMEDIATELY
WEST OF ANNACIS CAUSEWAY