



- GENERAL NOTES:**
- DO NOT SCALE FROM DRAWINGS, USE DIMENSIONS SHOWN.
  - ALL DIMENSIONS SHOWN ON DRAWINGS ARE IN MILLIMETERS. ALL ELEVATIONS ARE IN METERS UNLESS SPECIFIED OTHERWISE.
  - SURVEY INFORMATION COLLECTED BY PWGSC IN 2001, AS CONTAINED ON THE DRAWING, HAS BEEN SUBLIMATED WITH ADDITIONAL SURVEY INFORMATION COLLECTED BY MERIDIAN ENGINEERING IN JULY 2015 USING CONTROL POINT PWC 3-2001.
  - IT SHOULD BE NOTED THAT THE RIVER WATER LEVEL DOES SIGNIFICANTLY CHANGE AND CAN LARGELY EXCEED THE RECORDED LEVEL INDICATED DURING THE TIME OF THE SURVEY. THE CONTRACTOR SHALL ASSUME WORST CASE CONDITIONS AND BARE ALL COSTS NECESSARY TO COMPLETE THE WORK UNDER THE VARYING FLUCTUATIONS. ADDITIONAL INFORMATION REGARDING THE RIVER WATER LEVEL FLUCTUATIONS MAYBE AVAILABLE THROUGH THE DEPARTMENT OF FISHERIES AND OCEANS - HYDRO, FLOWS AND LINEAR DEVELOPMENT DEPARTMENT.

- GENERAL LEGEND:**
- 15.82 SURVEY ELEVATION POINT TAKEN BY MERIDIAN ENGINEERING IN JULY 2015 (DECIMAL POINT AT BOTTOM)
  - 15.82 SURVEY ELEVATION POINT TAKEN BY PWGSC IN SEPTEMBER 2001 (DECIMAL POINT IN CENTRE)
  - Denotes area of existing grating
  - Denotes top of cliff or steep drop off
  - JB JUNCTION BOX MOUNTED TO CONCRETE RETAINING WALL
  - (10.95) INDICATES ELEVATION OF FISHWAY FLOOR

**PWGSC SURVEY NOTES**

**SURVEY PARTY CHIEF** RICHARD HEALEY  
**SURVEY VESSEL** SEPTEMBER 2001  
**SURVEY DATE(S)** SEPTEMBER 2001

**SOUNDER TYPE:** PWC 1-2001  
**DEPTH GATE USED:** PWC 2-2001  
**POSITIONING SYSTEM USED:** DPSS (WITH OTF)  
**LAND SURVEY POSITION BY:** WILD T1600  
**DATA TAPE/DISC(S) USED:** WILD T1600  
**CAD DRAWING FILE(S):** WILD T1600

**TIDAL REDUCTION SCHEME**

**OFFICE PROCESSOR** RICHARD HEALEY  
**DATE OF PROCESSING** FEB.05.2002

**MODE OF PLOTTING:** REDUCTION OF MATRIX CELLS

**CONTROL POINTS:**

P. NAME	EASTING	NORTHING	CD ELEV	DESCRIPTION
9505168	610289.316	5430178.011	+22.475 m	C.L. BRASS PLAQUE
PWC 1-2001	611832.986	5430011.891	+13.48 m	NAIL RAMSET IN CONC. FISHWAY
PWC 2-2001	611809.826	5430002.101	+18.08 m	LP DRIVEN IN GROUND (NEXT TO CABIN)
PWC 3-2001	611812.463	5429987.200	+19.97 m	NUT SET IN BEDROCK
PWC BM1	611823.665	5430005.234	+17.24 m	LP WITH "X"-CUT SET IN CONC. RETAINING WALL

ALL ELEVATIONS IN METRES.  
ALL ELEVATIONS ARE REFERENCED TO PWC BM 1, ELEV.+17.241 m (ELEV. WAS ESTABLISHED WITH DGPS FROM C.L.mon.9505168.)  
COORDINATES FOR HORIZONTAL CONTROL ARE GIVEN ON THE U.T.M. MAPPING PLANE, ZONE 21, USING THE NORTH AMERICAN DATUM OF 1983(NAD83).

--- INDICATES ELEVATION OF FISHWAY FLOOR.

ALL FIELD NOTES ARE IN FISH WATERWAY 2001, FIELD BOOK #310.

**PWGSC SURVEY LEGEND**

**SYMBOLS**

SYMBOL	DESCRIPTION
ANCHOR BLOOM	ANCHOR BLOOM
BOLLARD	BOLLARD
BURNED	BURNED
BOUNDARY MARKER	BOUNDARY MARKER
CARD POSITION BUOY	CARD POSITION BUOY
CATCH BASIN	CATCH BASIN
CLEAT	CLEAT
COLLECT	COLLECT
CONCRETE	CONCRETE
DISPOSAL	DISPOSAL
DREDGE CONTROL	DREDGE CONTROL
ELECTRIC OUTLET	ELECTRIC OUTLET
FIRE HYDRANT	FIRE HYDRANT
FIRST AID	FIRST AID
FISH HANDLING EQUIP.	FISH HANDLING EQUIP.
FOOT LAMP	FOOT LAMP
FUEL PUMP	FUEL PUMP
H PILE	H PILE
HORIZONTAL CONTROL	HORIZONTAL CONTROL
ICE PLANT	ICE PLANT
INVERT PIPE	INVERT PIPE
JOB GRADE	JOB GRADE
FLAG POLE	FLAG POLE
LADDER	LADDER
LIFE RING	LIFE RING
LIGHT STANDARD	LIGHT STANDARD
MANHOLE	MANHOLE
MARK	MARK
MANT/TOWER	MANT/TOWER
NAVIGATION LIGHT	NAVIGATION LIGHT
OBSERVED BUOY	OBSERVED BUOY
OBSERVED SPAN BUOY	OBSERVED SPAN BUOY
PIPE PILE	PIPE PILE
POWER LIGHT	POWER LIGHT
SAFETY POST	SAFETY POST
SEWER OUTFLOW PIPE	SEWER OUTFLOW PIPE
SOB	SOB
TELEPHONE	TELEPHONE
TELEPHONE POLE	TELEPHONE POLE
TRAIL	TRAIL
UTILITY POLE	UTILITY POLE
VERTICAL CONTROL	VERTICAL CONTROL
WATER TAP/OUTLET	WATER TAP/OUTLET
WATER VALVE	WATER VALVE
WATER WELL	WATER WELL
WOOD PILE	WOOD PILE

**LINE TYPE**

LINE TYPE	DESCRIPTION
ANCHOR BLOOM	ANCHOR BLOOM
CL RAILROAD	CL RAILROAD
DRAIN PIPE	DRAIN PIPE
EDGE ROAD / SHOULDER	EDGE ROAD / SHOULDER
FENCE LINE	FENCE LINE
FLOODING WATERMARK	FLOODING WATERMARK
GUARD RAIL	GUARD RAIL
HIGH WATER MARK	HIGH WATER MARK
LOW WATER MARK	LOW WATER MARK
MARSH OUTLINE	MARSH OUTLINE
PROPERTY BOUNDARY	PROPERTY BOUNDARY
RANGE LIGHT EXTENSION	RANGE LIGHT EXTENSION
RETAINING WALL	RETAINING WALL
REPAIR	REPAIR
USE OF BANK	USE OF BANK
TREE LINE	TREE LINE
UNDERGROUND CABLE	UNDERGROUND CABLE

Public Works and Government Services Canada

Travaux Publics et Services gouvernementaux Canada

PROVINCE OF NEWFOUNDLAND AND LABRADOR

PERMIT HOLDER  
This Permit Allows  
Meridian Engineering Inc.

To practice Professional Engineering in Newfoundland and Labrador:  
Permit No. as issued by PEG No. 0463  
which is valid for the year 2015.

revision	description	date
C	ISSUED FOR TENDER	15/10/22
B	ISSUED FOR 99% REVIEW	15/10/09
A	ISSUED FOR 66% REVIEW	15/08/22

project

**BISHOP'S FALLS FISHWAY UPGRADES**

drawing

design

**EXISTING SITE PLAN**

designed L. BENNETT

date AUG, 2015

drown P. STAGG

date AUG, 2015

approved Gary MacGillivray Oct 23, 2015

date

Tender

Submission

PWGSC Project Manager Administrateur de projets TPSC

project number R.075582.004

drawing no. C01

no. du projet

no. du dessin

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