



**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 SUBLIMITED WITH ADDITIONAL SURVEY INFORMATION COLLECTED BY MERIDIAN ENGINEERING IN JULY 2015 USING CONTROL POINT PWC 3-2001. ADDITIONAL WORK HAS BEEN COMPLETED ON SITE SINCE THE SURVEYS AND THEREFORE ALL CRITICAL INFORMATION INCLUDING DIMENSIONS AND ELEVATIONS SHALL BE CONFIRMED ON SITE.
- 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 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**  
**SURVEY DATE(S)** SEPT.19,2001

**SOUNDING TYPE** SOUNDER SETTING  
**DEPTH DATE USED** VEL. OF SOUND  
**PRE. OF TRANS.**

**POSITIONING SYSTEM USED** DGPS (WITH OTF)  
**LAND SURVEY POSITION BY** WILD T1600

**DATA TAPE/USC(S) USED**  
**CAD DRAWING FILE(S)**

**TIDAL REDUCTION SCHEME**

**OFFICE PROCESSOR** RICHARD HEALEY  
**DATE OF PROCESSING** FEB.05,2002

**MODE OF PLOTTING**  
**MATRIX CELL WIDTH X LENGTH**  
**REDUCTION OF MATRIX CELLS**

**CONTROL POINTS:**

| PL. NAME   | EASTING    | NORTHING    | CD ELEV   | DESCRIPTION                                    |
|------------|------------|-------------|-----------|--|
| 9505169    | 610589.316 | 5430078.011 | +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 | 611809.828 | 5430002.101 | +18.08 m  | I.P. DRIVEN IN GROUND (NEXT TO CABIN)          |
| PWC 3-2001 | 611812.463 | 5430987.200 | +19.97 m  | NUT SET IN BEDROCK                             |
| PWC BM1    | 611823.665 | 5430005.234 | +17.24 m  | I.P. 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.9505166.)  
 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**

|           |              |            |         |                 |                    |                  |               |                    |           |             |                    |                    |              |            |                      |                 |           |              |                    |                  |             |            |           |
|-----------|--------------|------------|---------|-----------------|--------------------|------------------|---------------|--------------------|-----------|-------------|--------------------|--------------------|--------------|------------|----------------------|-----------------|-----------|--------------|--------------------|------------------|-------------|------------|-----------|
| ADJUSTURE | ANCHOR BLOCK | BALLARD    | BORING  | BOUNDARY MARKER | CAMP POSITION BUOY | CHURN BUOY       | CLAY          | COLENET            | DEBRIS    | DISPICAL    | ELECTRICAL CONTROL | ELECTRICAL OUTLET  | FIRE HYDRANT | FIRE ALARM | FISH HANDLING EQUIP. | FISH FLOOR      | FUEL PUMP | H. FILE      | HORIZONTAL CONTROL | ICE PLANT        | ICE PIPE    | ICE CRANE  | FLAG POLE |
| LAZAR     | L.P. PIN     | LIGHT SIGN | MANHOLE | MARKER          | MAST/TOWER         | NAVIGATION LIGHT | OBSCURED BUOY | OBSCURED SHAR BUOY | P.W. FILE | RANGE LIGHT | SAFETY POST        | SEWER OVERLOW PIPE | SHO          | TELEPHONE  | TELEPHONE POLE       | TIC QUASE/STAFF | TRIP      | UTILITY POLE | VERTICAL CONTROL   | WATER TAP/OUTLET | WATER WHEEL | WATER WELL | WOOD POLE |

**LINE TYPE**

|              |             |                       |            |                    |             |                 |                |               |                   |                       |                |      |             |          |                   |
|--------------|-------------|-----------------------|------------|--------------------|-------------|-----------------|----------------|---------------|-------------------|-----------------------|----------------|------|-------------|----------|-------------------|
| ARMOUR STONE | GRAVEL ROAD | IDEAL ROAD / SHOULDER | FENCE LINE | FLUATING WAVEBREAK | GRAVEL PILE | HIGH WATER MARK | LOW WATER MARK | MARSH OUTLINE | PROPERTY BOUNDARY | RANGE LIGHT EXTENSION | RETAINING WALL | TRIP | TOE OF BANK | TREELINE | UNDERGROUND CABLE |
|--------------|-------------|-----------------------|------------|--------------------|-------------|-----------------|----------------|---------------|-------------------|-----------------------|----------------|------|-------------|----------|-------------------|

**EXISTING SITE PLAN**  
 SCALE: 1:50

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.  
 Member No. 04378  
 To practice Professional Engineering in Newfoundland and Labrador.  
 Permit No. as issued by PEG, N0453  
 which is valid for the year 2016.

REGISTERED PROFESSIONAL ENGINEER  
 PEG  
 Lee M. Bennett  
 16/08/31  
 NEWFOUNDLAND & LABRADOR

|   |                       |          |
|---|-----------------------|----------|
| B | ISSUED FOR TENDER     | 16/08/16 |
| A | ISSUED FOR 99% REVIEW | 16/08/12 |

revisions | date

project | project

**BISHOP'S FALLS FISHWAY UPGRADES PHASE 2**

designed L. BENNETT | conçu

date AUG, 2016

drawn R. SNOW | dessiné

date AUG, 2016

approved | approuvé

date sept. 2, 2016

Signature: Gary Macgillivray  
 PWGSC Project Manager / administrateur de projets

project number | no. du projet  
**R.075582.004**

drawing no. | no. du dessin  
**C01**

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