



KEY PLAN – FISHWAY POOL No. REFERENCE

APPROXIMATE SHORELINE AT TIME OF PWGSC SURVEY ON SEPT. 19, 2001 (VARIES). SEE NOTE 3.

APPROXIMATE SHORELINE AT TIME OF PWGSC SURVEY ON SEPT. 19, 2001 (VARIES)

APPROXIMATE TOP OF EMBANKMENT

- GENERAL LEGEND:**
- EXISTING FOOT PATH GRATING
  - EXISTING CONCRETE WALLS OF FISHWAY STRUCTURE
  - EXISTING UPLANDS CONCRETE RETAINING WALL
  - DENOTES TOE OF EMBANKMENT SLOPE
  - EXISTING RAILING
  - EXISTING LIGHT POLE
  - REFERENCE TAG FOR REPAIR SUMMARY TABLE ON THIS SHEET
  - JUNCTION BOX MOUNTED TO CONCRETE RETAINING WALL

- GENERAL NOTES:**
1. DO NOT SCALE FROM DRAWINGS, USE DIMENSIONS SHOWN.
  2. SOME ITEMS SHOWN ON THE SITE PLAN WERE ADDED BASED ON PREVIOUS CONSTRUCTION DRAWINGS. THEREFORE THE ACCURACY OF THESE ITEMS COULD VARY SLIGHTLY FROM THEIR AS-BUILT CONDITION. CONTRACTOR SHALL CONFIRM ALL CRITICAL ITEMS ON SITE PRIOR TO THE START OF WORK.
  3. ALL DIMENSIONS SHOWN ON DRAWINGS ARE IN MILLIMETERS. ALL ELEVATIONS AND STATIONS ARE IN METERS UNLESS SPECIFIED OTHERWISE.
  4. 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 BEAR 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.

1 2 2 EXISTING PLAN – GENERAL ARRANGEMENT  
SCALE: 1:50  
0m 1m 2m 3m 4m 5m

ITEM	DESCRIPTION	REFERENCE	ESTIMATED QUANTITY
①	CONCRETE REPAIRS: REPAIR DETERIORATED CONCRETE SURFACES AND/OR EDGES ON THE EXISTING FISHWAY STRUCTURE TO SOUND CONCRETE. ACTUAL AREAS AND LOCATIONS OF DETERIORATED CONCRETE TO BE REPAIRED SHALL BE CONFIRMED ONSITE WITH THE DEPARTMENTAL REPRESENTATIVE. AT NO TIME SHALL THE REPAIR QUANTITY STIPULATED IN THE UNIT PRICE TABLE BE EXCEEDED WITHOUT PRIOR APPROVALS FROM THE DEPARTMENTAL REPRESENTATIVE.	① ③ ③	SURFACE REPAIR 20m <sup>2</sup> EDGE REPAIR 10m
②	POUR NEW 150mm (MIN.) REINFORCED CONCRETE FLOOR OVER A PREPARED SOUND BEDROCK BASE AS APPROVED BY THE DEPARTMENTAL REPRESENTATIVE.	⑥ ④ ④	0.5m <sup>3</sup>
③	REMOVE AND REPLACE EXISTING FISHWAY FLOOR GRATING AT POOL No.1 IN THE AREA OF THE OUTLET FEED FROM THE ATTRACTION FLOW PIPE SYSTEM.	③ ③ ③ ③	6m <sup>2</sup>
④	REMOVE ALL DEBRIS IN POOLS	① ④ ④	—
⑤	REMOVE EXISTING ATTRACTION FLOW SCREEN IN POOL #6 AND REPLACE WITH NEW AS PER GRATING SCHEDULE ON SHEET 003.	① ④ ④	7m <sup>2</sup>
⑥	EXISTING VALVE ASSEMBLY TO BE INSPECTED FOR PROPER OPERATION AND CLEANED	① ④ ④	—
⑦	INSTALL NEW TRASH RACK IN EXISTING STEEL GUIDES	② ④ ④	4.5m <sup>2</sup>
⑧	REMOVE ALL LOOSE DEBRIS AND ANY OBSTRUCTIONS FROM ENTRANCE OF POOL.	① ④ ④	—
⑨	REMOVE EXISTING STEEL PLATE SILL WALL ASSEMBLY UNDER THE STOP LOGS ALONG WITH THE INTERIOR STRUCTURAL STEEL FRAMED ASSEMBLY. REPLACE SILL WITH NEW REINFORCED CONCRETE WALL. REPAIR ANY DAMAGES TO EXISTING FISHWAY WALL RESULTING FROM REMOVAL OF STEEL SILL AND FRAMED ASSEMBLY AS PER THE NOTED CONCRETE REPAIR PROCEDURES. INTERIOR STEEL FRAME SHALL REMAIN IN PLACE UNTIL APPROVED FOR REMOVAL BY DEPARTMENTAL REPRESENTATIVE.	⑤ ③ ③	0.8m <sup>3</sup> (CONCRETE SILL)
⑩	INSTALL NEW HARDWOOD STOP LOGS 75mm x 150mm TO REPLACE EXISTING.	⑤ ④ ④	—

- TABLE NOTES:**
- A. DEPARTMENTAL REPRESENTATIVE TO LOCATE AND CONFIRM REPAIR AREAS IN FIELD WITH CONTRACTOR PRIOR TO THE START OF THE INDICATED WORK ITEM. ESTIMATED QUANTITIES ABOVE ARE TO BE CONSIDERED APPROXIMATE BUT SHALL NOT BE EXCEEDED UNLESS APPROVED BY THE DEPARTMENTAL REPRESENTATIVE.
  - B. IF A DISCREPANCY EXISTS BETWEEN THE ESTIMATE QUANTITIES LISTED ABOVE AND THE QUANTITIES STIPULATED IN THE UNIT PRICE TABLE, THE UNIT PRICE TABLE SHALL GOVERN.
  - C. REFER TO APPENDIX B – IN SPECIFICATIONS FOR SOME REFERENCE PHOTOS OF ITEMS LISTED ABOVE.

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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  
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 16/08/31  
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A	ISSUED FOR 99% REVIEW	16/08/12
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**BISHOP'S FALLS FISHWAY UPGRADES PHASE 2**

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 date AUG, 2016  
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 date AUG, 2016  
 approved  
 date  
 Tender Submission  
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