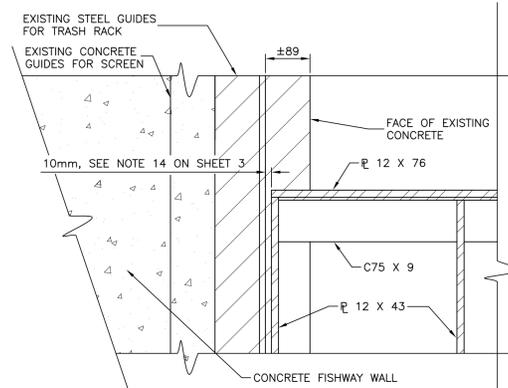


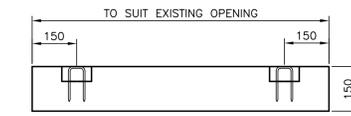
1 PARTIAL PLAN - POOL #6
SCALE: 1:15

NOTES (DETAIL 5):
A. GRATING AND RAILING OMITTED FOR CLARITY.
B. REFER TO REPAIR SUMMARY TABLE ON THIS SHEET.



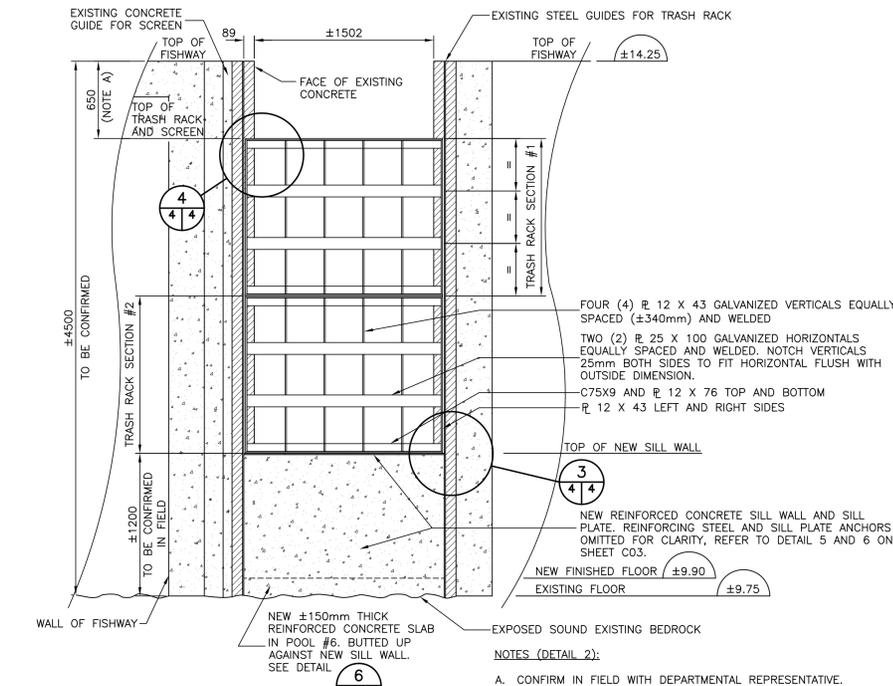
4 DETAIL - TRASH RACK TOP (TYP.)
SCALE: 1:5

0mm 100mm 200mm 300mm 400mm 500mm



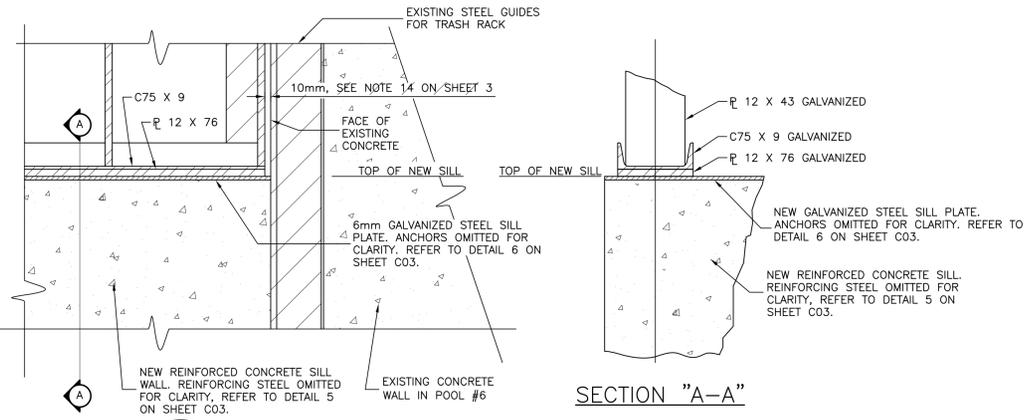
5 STOP LOG DETAIL
SCALE: 1:10

0mm 100 200 300 400 500 600 700 800 900 1000mm



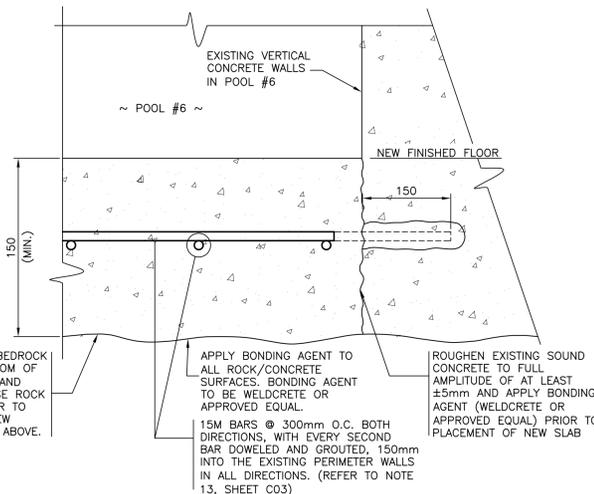
2 TRASH RACK - ELEVATION (POOL #6)
SCALE: 1:25

0mm 500mm 1000mm 1500mm 2000mm 2500mm



3 DETAIL - TRASH RACK BASE (TYP.)
SCALE: 1:5

0mm 100mm 200mm 300mm 400mm 500mm



6 DETAIL - NEW SLAB POOL #6 (TYP.)
SCALE: 1:5

0mm 100mm 200mm 300mm 400mm 500mm

GENERAL NOTES:

- DO NOT SCALE FROM DRAWINGS.
- ALL ELEVATIONS ARE IN METERS.
- UNLESS OTHERWISE SPECIFIED ALL DIMENSIONS ARE IN MILLIMETERS.
- REMOVE LOOSE AND FRAGMENTED ROCK TO EXPOSE A SOUND COMPETENT SURFACE TO ACCEPTANCE OF THE DEPARTMENTAL REPRESENTATIVE PRIOR TO PLACEMENT OF CONCRETE ON ROCK. APPLY BONDING AGENT "WELDCRETE" OR APPROVED EQUAL TO ALL CONCRETE/ROCK INTERFACES.
- ALL EXTERIOR VERTICAL CORNERS OF CONCRETE INSIDE FISHWAY TO BE PROVIDED WITH A ROUNDED CHAMFER TO ELIMINATE ALL SHARP EDGES, CONFIRM IN FIELD WITH DEPARTMENTAL REPRESENTATIVE.
- PROVIDE REINFORCEMENT AT ALL CORNERS AND INTERSECTIONS TO BE SAME BAR SIZE AND SPACING AS MAIN REINFORCEMENT.
- MINIMUM SPLICE LENGTHS IN ACCORDANCE WITH CSA STANDARD A23.3-04
- CONCRETE COVER TO BE 75mm IN ALL AREAS, UNLESS OTHERWISE NOTED.
- MINIMUM 28 DAY CONCRETE STRENGTH = 40 MPa.
- REINFORCING STEEL YIELD STRENGTH = 400 MPa.
- ALL CONCRETE CONSTRUCTION JOINTS TO BE FORMED WITH A KEYWAY, THE BONDING SURFACES INTENTIONALLY ROUGHENED TO A FULL AMPLITUDE OF 5 mm. CONSTRUCTION JOINTS IN THE EXTERIOR WALLS ARE TO INCLUDE CONTINUOUS WATER STOPS.
- BONDING AGENT TO BE "WELDCRETE" OR APPROVED EQUAL. BONDING AGENT TO BE APPLIED TO ALL CONCRETE/CONCRETE AND CONCRETE/ROCK INTERFACES.
- CONTRACTOR TO CONFIRM ALL DIMENSIONS PRIOR TO START OF CONSTRUCTION AND NOTIFY DEPARTMENTAL REPRESENTATIVE OF ANY DISCREPANCIES.
- DEPARTMENTAL REPRESENTATIVE TO INSPECT ALL ROCK DOWEL LOCATIONS PRIOR TO DRILLING.
- ALLOW FOR 10mm CLEARANCE BETWEEN TRASH RACK AND SCREENS WITH VERTICAL CHANNEL TO ALLEVIATE BINDING DURING INSERTION AND REMOVAL OF TRASH RACK.
- ALL FABRICATED SECTIONS INCLUDING ALL STEEL SECTIONS, PLATE AND SCREENS SHALL BE WELDED ALL AROUND (FULL PERIMETER) WITH FILLET WELD, (WHERE POSSIBLE). IN AREAS OF IRREGULAR ADJOINING SURFACES USE A COMPLETE JOINT PENETRATION, ALL AROUND (FULL PERIMETER) GROOVE WELD TO CSA S16-09 STANDARDS FOR DESIGN OF STEEL STRUCTURES. ALL WELDING TO BE EQUAL TO OR STRONGER THAN THE STEEL SECTIONS BEING ATTACHED. WELDING AND FABRICATION SHOP DRAWINGS SHALL BE DESIGNED AND STAMPED BY A PROFESSIONAL ENGINEER LICENCED TO PRACTICE IN THE PROVINCE OF NL.
- WELDING TO BE IN ACCORDANCE WITH CSA W59.
- SUBMIT FABRICATION DRAWINGS UNDER SEAL OF PROFESSIONAL ENGINEER LICENCED TO PRACTICE IN THE PROVINCE OF NL. ANY ALTERATIONS TO THE FABRICATED SECTIONS FROM WHAT IS SHOWN ON THE DRAWINGS SHALL BE INCLUDED ON THE STAMPED FABRICATION DRAWINGS.
- ALL DIMENSIONS SHOWN FOR FABRICATED STEEL SECTIONS ARE CONSIDERED APPROXIMATE. FABRICATOR SHALL CONFIRM ALL DIMENSIONS AND NOTIFY DEPARTMENTAL REPRESENTATIVE OF ANY DISCREPANCIES PRIOR TO FABRICATION.

REPAIR SUMMARY (REFER TO DETAIL 1/4/4)		
ITEM	DESCRIPTION	REFERENCE
1	EXISTING NOTCHED GUIDES IN CONCRETE WALL FOR ATTRACTION FLOW SCREEN AND STOP LOG ASSEMBLY. COMPLETE CONCRETE REPAIRS TO DETERIORATED AREAS IN ACCORDANCE WITH THE REPAIR PROCEDURES PROVIDED.	1 3/3
2	EXISTING CONCRETE WALLS OF POOL #6. COMPLETE CONCRETE REPAIRS TO DETERIORATED AREAS IN ACCORDANCE WITH THE REPAIR PROCEDURES PROVIDED.	1 3/3
3	EXISTING STEEL GUIDES FOR NEW TRASH RACK TO REMAIN.	1 4/4
4	REMOVAL OF ALL DEBRIS AND INSTALL NEW 150mm REINFORCED CONCRETE FLOOR.	6 4/4
5	REMOVE ALL LOOSE DEBRIS AND OBSTRUCTIONS AT THE ENTRANCE TO POOL #6. IT IS ESTIMATED THAT APPROXIMATELY 1.5m OF LOOSE ROCK MATERIAL EXISTS AT THE ENTRANCE TO POOL #6 AND NEEDS TO BE REMOVED. CONTRACTOR TO CONFIRM ACTUAL DEPTH OF MATERIAL TO BE REMOVED IN FIELD WITH DEPARTMENTAL REPRESENTATIVE.	1 4/4
6	REMOVE EXISTING STEEL SILL WALL ASSEMBLY ALONG WITH THE INTERIOR STRUCTURE STEEL FRAME ASSEMBLY AND INSTALL NEW REINFORCED CONCRETE SILL. COORDINATE ALL WORK WITH THE DEPARTMENTAL REPRESENTATIVE. INTERIOR STEEL FRAME SHALL REMAIN IN PLACE UNTIL APPROVED FOR REMOVAL BY THE DEPARTMENTAL REPRESENTATIVE.	5 3/3
7	REPLACE EXISTING 75mm X 150mm HARDWOOD STOP LOGS WITH NEW.	5 4/4
8	INSTALLATION OF NEW GALVANIZED STEEL TRASH RACK ASSEMBLY.	2 4/4
9	REPLACE EXISTING STEEL SCREEN ASSEMBLY WITH NEW SECTIONS OF GALVANIZED RIVETED GRATING AS PER THE GRATING SCHEDULE ON SHEET C03. CONTRACTOR SHALL CONFIRM ALL REQUIRED INFORMATION NECESSARY TO SUIT EXISTING CONDITIONS. SOME ARCHIVAL PHOTOS OF THE EXISTING SCREENS ARE INCLUDED IN THE SPECIFICATION. SHOP DRAWINGS TO BE SUBMITTED ACCORDINGLY FOR APPROVAL PRIOR TO ORDERING.	1 4/4
10	INSPECT AND CLEAN BURIED ATTRACTION FLOW PIPE FROM POOL #6 TO POOL #1. SIZE OF EXISTING PIPE IS APPROXIMATELY 900mm IN DIAMETER. CONTRACTOR TO CONFIRM IN THE FIELD.	1 4/4
11	CLEAN EXISTING SLUICE GATE AND VALVE ASSEMBLY AND INSPECT FOR OPERATION.	1 4/4

B	ISSUED FOR TENDER	16/08/15
A	ISSUED FOR 99% REVIEW	16/08/15

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

drawing	design
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**MISC. REPLACEMENT
ITEMS**

designed	L. BENNETT	conçu
date	AUG, 2016	
drawn	R. SNOW	dessiné
date	AUG, 2016	
approved		approuvé
date		
Tender	Barry MacSillivray Sept. 2, 2016	Soumission
PWSCG Project Manager	Administrateur de projets TPSCG	
project number	no. du projet	
	R.075582.004	
drawing no.		no. du dessin
	C04	