



GENERAL NOTES:

1. GENERAL
 - DIMENSIONING ON DRAWINGS C-01-101 AND C-01-102 ARE SHOWN IN METERS. ALL OTHER DRAWINGS ARE DIMENSIONED IN MILLIMETERS UNLESS NOTED OTHERWISE.
 - ELEVATIONS ARE SHOWN IN METERS
 - SITE DIMENSIONS ARE BASED ON EXISTING CONDITIONS
 - BEFORE CONSTRUCTION, VERIFY LOCATION OF ALL UTILITIES IN THE VICINITY OF WORK ZONE. CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UTILITY LOCATES AND DISRUPTIONS
 - THE DEPOSITION OF DELETERIOUS MATERIALS IN THE WATERCOURSE IS PROHIBITED
 - DISTURBANCE OF THE BED AND BANKS OF MALIGNE RIVER ARISING FROM ANY ACTIVITY OR EQUIPMENT USED IN THE CONSTRUCTION IS TO BE KEPT TO A MINIMUM AND CONFINED TO THE IMMEDIATE WORK SITE
 - ALL INSTREAM WORK SHALL BE COMPLETED DURING THE 10 DAY INSTREAM WORK WINDOW OF APRIL 5 TO 15
 - DEMOLITION AND REMOVAL OF EXISTING NORTH BANK FOUNDATION TO BE COMPLETED PRIOR TO BANK GRADING AND RIP RAP PLACEMENT
2. SURVEY
 - SURVEY COMPLETED BY ASSOCIATED ENGINEERING, OCT 31 TO NOV 01, 2013
 - CONTRACTOR IS RESPONSIBLE FOR ANY SURVEY REQUIRED TO COMPLETE THIS CONTRACT
3. DEMOLITION
 - NORTH BANK FOUNDATION COMPRISES A CAST-IN-PLACE REINFORCED CONCRETE FOOTING AND WINGWALL
 - NORTH BANK FOUNDATION IS TO BE REMOVED IN ITS ENTIRETY
 - NORTH BANK FOUNDATION TO BE REMOVED, AND GROUND RE-GRADED FOR RIP RAP PRIOR TO COMMENCEMENT OF RIP RAP PLACEMENT
 - MATERIALS SHALL BE RECYCLED IN ACCORDANCE WITH SPECIFICATIONS / SPECIAL PROVISIONS
 - CONTRACTOR TO TAKE RESPONSIBILITY FOR DEMOLITION AND ENSURE NO DEBRIS FALLS IN WATERWAY
 - APPROPRIATE EROSION AND DUST CONTROL TO BE PUT IN PLACE AND MAINTAINED AT ALL TIMES AS INDICATED IN THE CONTRACTOR'S APPROVED EROSION AND SEDIMENT CONTROL PLAN
4. BANK PROTECTION
 - RIP RAP MATERIAL SHALL BE SUPPLIED FROM THE MARMOT PIT. CONTRACTOR WILL BE REQUIRED TO SELECT MATERIAL TO ACHIEVE THE GRADATION REQUIREMENTS IN THE SPECIFICATIONS. IN GENERAL THIS SHALL COMPRISE:
 NOMINAL DIAM = 800 mm
 MAXIMUM DIAM = 1100 mm
 MINIMUM DIAM = 500 mm
 - RIP RAP MATERIAL SHALL BE WASHED PRIOR TO USE
 - RIP RAP SHALL BE PLACED ON NON-WOVEN SYNTHETIC FIBRE GEOTEXTILE
 - BANK GRADING AND RIP RAP PLACEMENT SHALL BE COMPLETED IN ACCORDANCE WITH ENVIRONMENTAL REGULATORY GUIDELINES AND APPROVALS
 - ANY DISTURBED AREAS WITHIN THE WORK AREA SHALL BE RESTORED BY APPLICATION OF 150 mm THICK TOP SOIL AND APPROVED SEED MIX
5. HYDROTECHNICAL INFORMATION
 - DESIGN DISCHARGE (Q100) = 139 m³/s, ESTIMATED TO BE IN THE ORDER OF 100 YEAR EVENT
 - ESTIMATED MEAN CHANNEL VELOCITY THROUGH OPENING DURING Q100 = 3.9 m/s
 - HYDROTECHNICAL INFORMATION IS BASED ON THE LETTER REPORT TITLED "HYDROTECHNICAL ASSESSMENT AND CONCEPTUAL DESIGN FOR THE MALIGNE CANYON FIFTH BRIDGE OVER THE MALIGNE RIVER AT 06-36-045-01-WEM" BY MATRIX SOLUTIONS INC. DATED FEBRUARY 4, 2013

APEGA Permit to Practice P 3979

No.	Date/Date	Description/Description	Drawn by/Dessiné par	Approved/Approuvé
0	2014 JAN 30	ISSUED FOR TENDER AND CONSTRUCTION	R.X.	M.P.

Revision / Revision	
A	A
B	B/C
C	

Consultant's Name / Nom de l'expert-consultant: **Associated Engineering**

Eng. Stamp / Sceau de l'ingénieur: [Stamp]

Public Works and Government Services Canada / Travaux publics et Services gouvernementaux Canada

Client Services Team / Le Client Entretien / Équipe Alberta Méridionale / Branche d'Opérations

Canada

Client / Client: Parks Canada Agency / L'Agence Parcs Canada

Western and Northern Region / Ouest et Nord du Canada

Project title / Titre du projet: **JASPER NATIONAL PARK FIFTH BRIDGE**

Drawing title / Titre du dessin: **PLANS AND GENERAL NOTES**

Surveyed by / Arpenté par: ASSOCIATED ENGINEERING	Drawn by / Dessiné par: RAYMOND XU	Date / Date: JAN 8, 2014
Designed by / Concept par: MICHAEL PAULSEN	Reviewed by / Révisé par: JESSICA GAGNE	Scale / Echelle: AS SHOWN

Client Acceptance / Acceptation du client	Approved by / Approuvé par
Project No. / No. du projet: 20133940	Sheet No. / No. de la feuille: 01
Asset No. / No. de l'actif	OF 2
Drawing Reference No. / No. de référence du dessin: C-01-101	