

MASONRY REPAIR PROCEDURE:

1. RAKE OUT AND BACKPOINT IN AREAS OF WALL WITH NO DAMAGE
2. DO FURTHER REMOVALS, CONSOLIDATION OF CORE AND BACKPOINT.
3. DO DUTCHMAN REPAIRS/INSTALL NEW STONE IF APPLICABLE
4. GROUT
5. DO FINISHPOINTING

CONSERVATION NOTES

1. 100% RAKE OUT AND REPOINTING OF ALL MASONRY WALLS INCLUDED IN THE CONTRACT, UNLESS INDICATED OTHERWISE ON THE ELEVATIONS. RAKING OUT AND REPOINTING IS AS PER 08 AND 09/S04
2. WHERE STONE CORNERS ARE ROUNDED, SEE DETAIL 08/S05 TO DETERMINE WHETHER TO REPOINT JOINT OR DO SMALL DUTCHMAN REPAIRS, AS 05/S04.
3. WHERE FACE OF STONE HAS ROTATED, DO FULL FACE DUTCHMAN REPAIR AS DETAIL 09/S05.

LEGEND OF MASONRY REPAIRS:

- ①** LARGE DUTCHMAN REPAIR. SEE 06/S04. FOR PRICING, AVERAGE REPAIR IS 600mm BY 400mm (0.24m²) BY 200mm Dp. (SPECIFICATIONS: SECTION 04 03 41, CLAUSE 3.8)
- ②** SMALL DUTCHMAN REPAIR. SEE 05/S04. FOR PRICING, AVERAGE REPAIR IS 400mm BY 200mm (0.08m²) BY 100mm Dp. (SPECIFICATIONS: SECTION 04 03 41, CLAUSE 3.8)
- ③** FRACTURED STONE REPAIRED IN-SITU. SEE 02/S04 (SPECIFICATIONS: SECTION 04 03 41, CLAUSE 3.7)
- ④** STEEL PIN INSERT REMOVAL
- ⑤** REMOVE EXISTING CONCRETE PATCH AND INSTALL STONE DUTCHMAN REPAIR. APPROXIMATE SIZE 400x200mm BY 175mm DP.
- ⑥** NEW STONE. SEE 10/S04 SIM. FOR RESET, SEE ALSO **⑦** FOR SIZE. TOOL FACE OF STONE AS 05/S05.
- ⑦** REMOVE AND RESET STONE. SEE 10/S04. AVERAGE SIZE OF 450x800x500DP./UNIT (0.36m²)
- ⑧** EDGE DUTCHMAN REPAIR. APPLY TO STONE ARRIS OF EXISTING STONE, TO REDUCE WIDTH OF MORTAR JOINT TO 35mm, SEE DETAIL 11/S04.
- ⑨** STONE REPAIR WITH RESTORATION MORTAR

ADDITIONAL REPAIRS FOR PRICING:

- FOR PRICING, ALLOW THE FOLLOWING ADDITIONAL QUANTITIES BEYOND THOSE SHOWN ON ELEVATIONS ON DRAWING S02:
1. **⑩** ALLOW FOR ADDITIONAL 1.5 m² OF STONE REMOVE AND RESET
 2. **⑪** ALLOW FOR ADDITIONAL 1.0 m² OF NEW STONE
 3. **⑫** ALLOW FOR ADDITIONAL 7.0 m² OF LARGE DUTCHMAN REPAIR
 4. **⑬** ALLOW FOR ADDITIONAL 1.7 m² OF SMALL DUTCHMAN REPAIR
 5. **⑭** ALLOW FOR ADDITIONAL 0.5m² OF EDGE DUTCHMAN REPAIR
 6. **⑮** ALLOW FOR ADDITIONAL 6 IN-SITU FRACTURE REPAIR
 7. ALLOW FOR 2.0 m² SHALLOW CONCRETE REPAIRS AS 12/S04
 8. ALLOW FOR 3.5 m² DEEP CONCRETE REPAIRS AS 13/S04

SCHEDULE NOTES:

1. THE WORK ON THE WEIR CONSTITUTES PHASE 2 OF THE PROJECT. IT WILL BE CARRIED OUT BETWEEN OCT 9 AND DEC 31 2018.

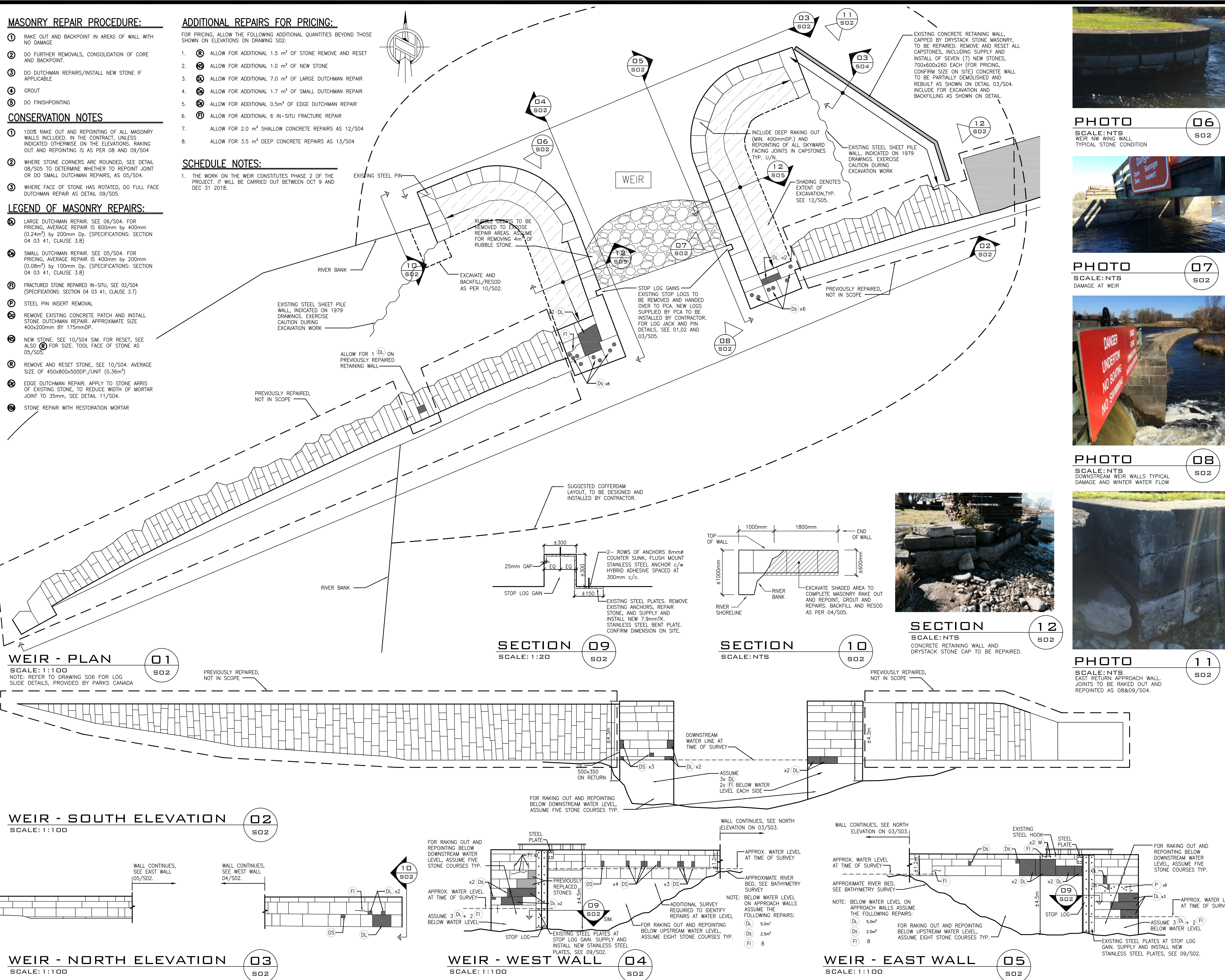
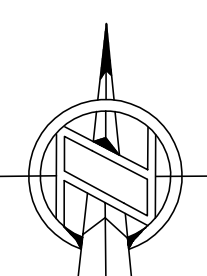


PHOTO 06
SCALE: NTS
WEIR NW WALL
TYPICAL STONE CONDITION



PHOTO 07
SCALE: NTS
DAMAGE AT WEIR



PHOTO 08
SCALE: NTS
DOWNSTREAM WEIR WALLS TYPICAL DAMAGE AND WINTER WATER FLOW



PHOTO 11
SCALE: NTS
CONCRETE RETAINING WALL AND DRYSTACK STONE CAP TO BE REPAIRED.

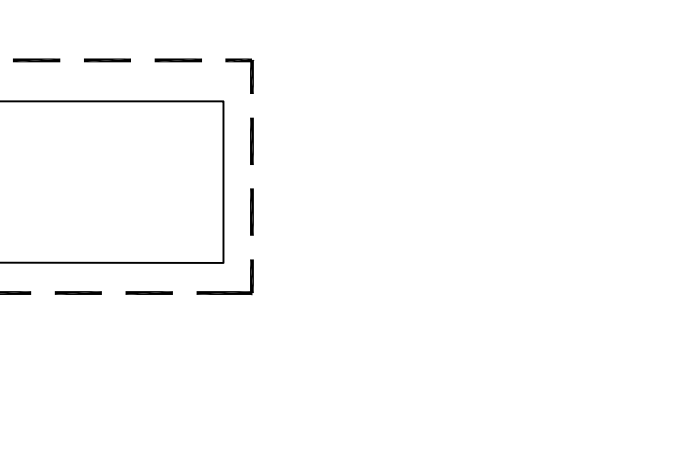
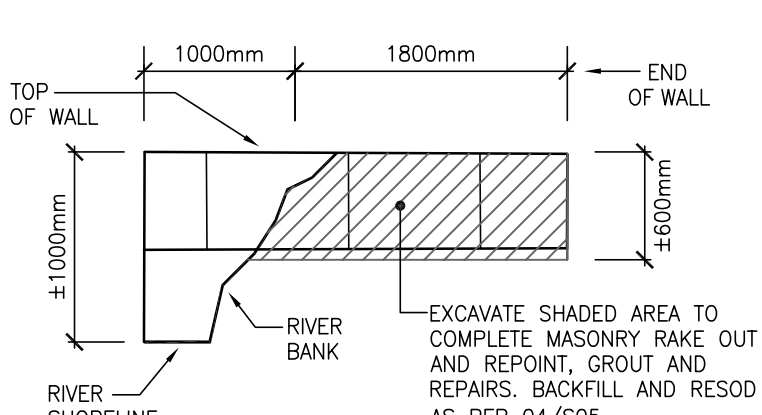


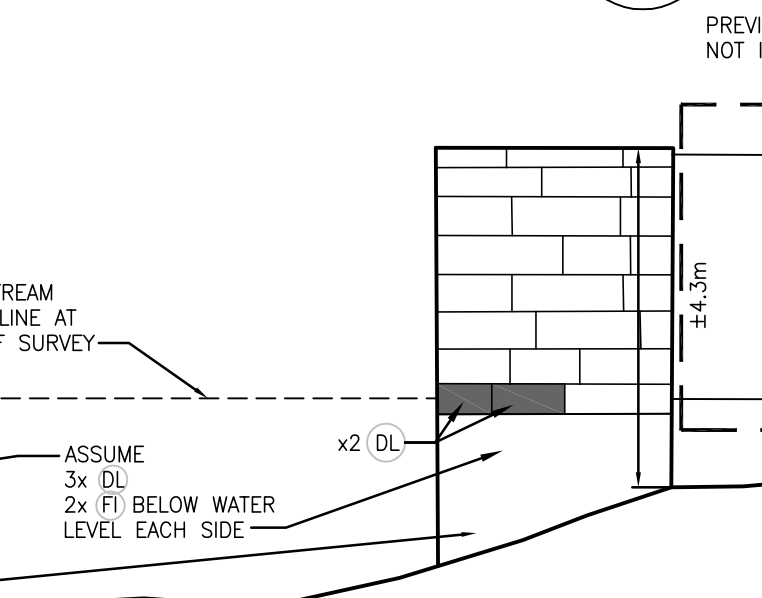
PHOTO 11
SCALE: NTS
EAST RETURN APPROACH WALL JOINTS TO BE RAKED OUT AND REPOINTED AS 08&09/S04.



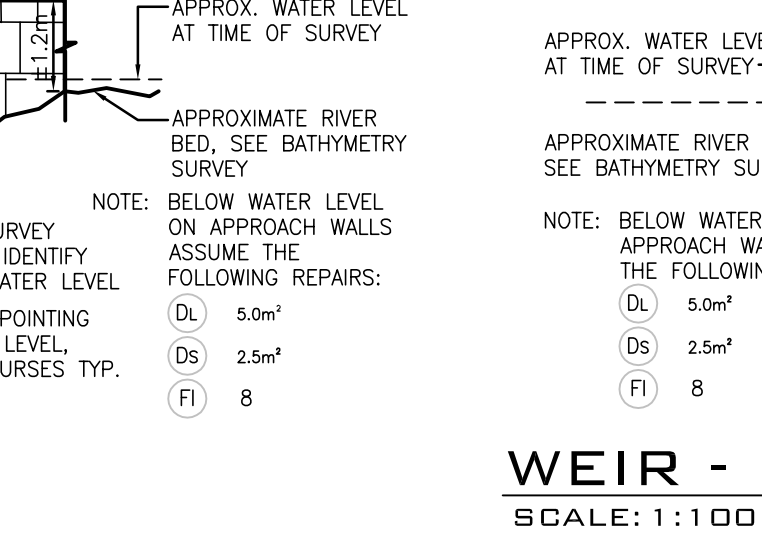
SECTION 09
SCALE: 1:20



SECTION 10
SCALE: NTS



SECTION 11
SCALE: NTS



SECTION 12
SCALE: NTS

Parcs Canada Parks Canada

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15174A

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15174A-S02	DRAWING 3 OF 7	
DRAWING NO.	DRAWING NAME	
REFERENCE DRAWINGS		
1	2017/08/25	ISSUED FOR BID C.P. N.J.
NO.	DATE	DESCRIPTION Drawn by Approved Dessine par Approuve

REVISIONS

A	A Detail number	A Numero de detail
B	B Sheet number	B Sur feuille numero

Linear dimensions in millimeters Dimensions lineaires en millimetres

PROFESSIONAL ENGINEER

N.S. JONES
100176519
AUG 25, 17
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J.G. COOKE
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Project title / Titre du projet
WEIR - EDMOND'S LOCK MASONRY REHABILITATION

Drawing title / Titre du dessin
WEIR (AREA 2) PLAN AND ELEVATIONS

Plot Scale / Echelle
1:1 (Arch D 24x36 Plot Size)

Drawn by/ Dessine par C.P.	Date 2017/02/10
Field Recording by / Releve-Terminé par P.C. & J.C.	Date 2015/12/21
Approved by / Approuve par N.J.	Date
Checked by/ Verifie par J.C.	Date
Project No./ No. du projet 15174A	Asset No.
Drawing Re No./No. du Dessin 15174A-S02-R02	Sheet No./ Feuille No. S02