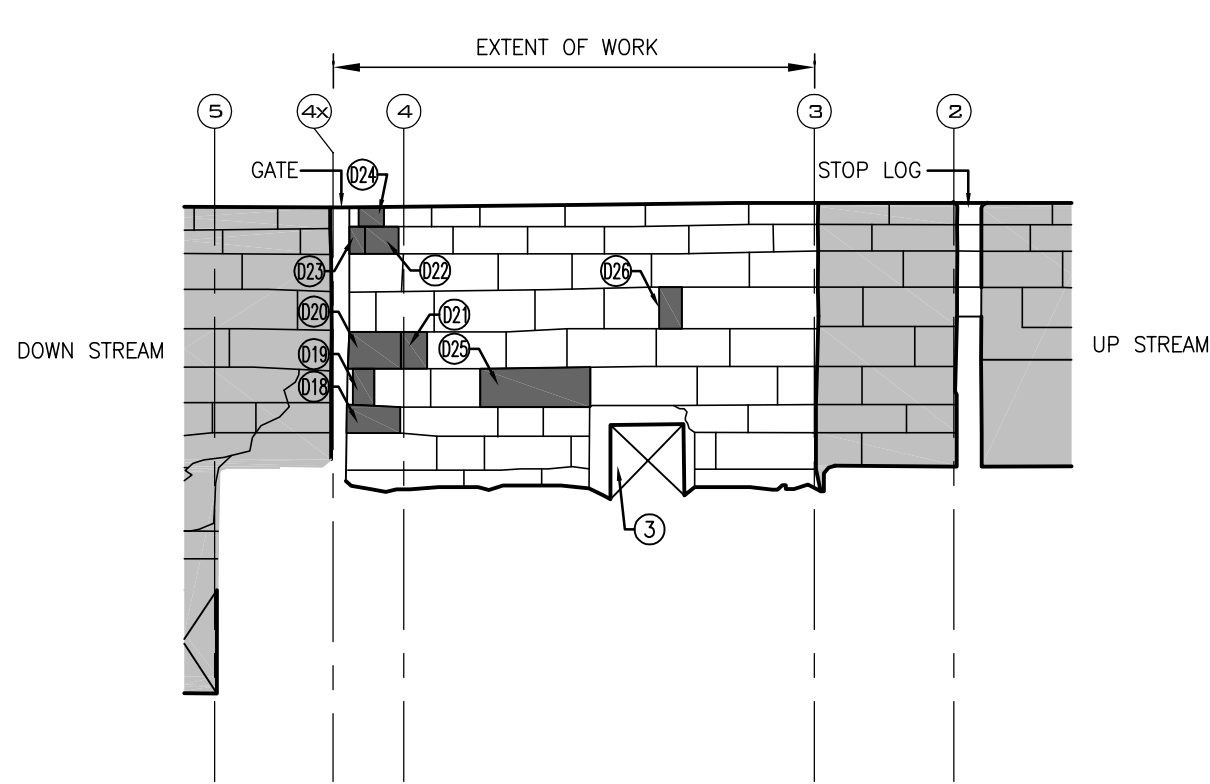
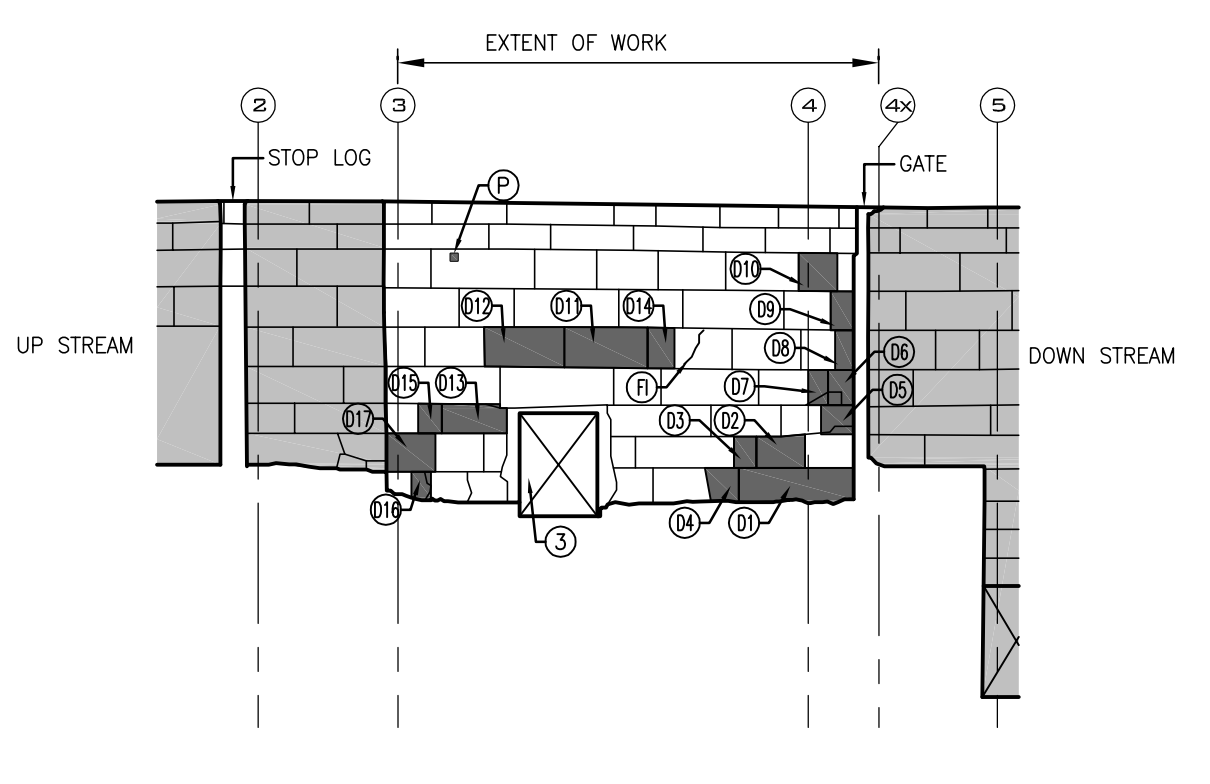


**LOCK - PLAN UPSTREAM END** **O1**  
SCALE: 1:100 **S03**



**LOCK - WEST WALL, EAST ELEVATION** **O2**  
SCALE: 1:100 **S03**



**LOCK - EAST WALL, WEST ELEVATION** **O3**  
SCALE: 1:100 **S03**



**PHOTO** **O4**  
SCALE: NTS **S03**  
DAMAGED FLAGSTONES



**PHOTO** **O5**  
SCALE: NTS **S03**  
BADLY DAMAGED EAST WALL AT SLUICE TUNNEL



**PHOTO** **O6**  
SCALE: NTS **S03**  
BADLY DAMAGED WEST WALL AT SLUICE TUNNEL



**PHOTO** **O7**  
SCALE: NTS **S03**  
LOCK WALL SHOWING HORIZONTAL JOINTS, AT TOP OF WALL

**LEGEND OF MASONRY REPAIRS:**

- (1)** DUTCHMAN REPAIR, SEE 06/S04. FOR PRICING, SIZE AS NOTED ON TABLE. FOR DEPTH, OVERSIZE ORDER BY 30mm AND CARVE TO SUIT ON SITE. (SPECIFICATIONS: SECTION 04 03 41, CLAUSE 3.8) TOOL FACE OF DUTCHMAN AS 05/S05. CONFIRM SIZES ON SITE PRIOR TO ORDERING STONE.
- (2)** LARGE DUTCHMAN REPAIR, SEE 06/S04. FOR PRICING, AVERAGE REPAIR IS 600mm by 400mm (0.24m<sup>2</sup>) by 200mm Dp. (SPECIFICATIONS: SECTION 04 03 41, CLAUSE 3.8) TOOL FACE OF DUTCHMAN AS 05/S05.
- (3)** SMALL DUTCHMAN REPAIR, SEE 05/S04. FOR PRICING, AVERAGE REPAIR IS 400mm by 200mm (0.08m<sup>2</sup>) by 100mm Dp. (SPECIFICATIONS: SECTION 04 03 41, CLAUSE 3.8) TOOL FACE OF DUTCHMAN AS 05/S05.
- (P)** STEEL PIN INSERT REMOVAL. REPAIR USING STONE PLUG DUTCHMAN REPAIR.
- (S)** NEW STONE, SEE 10/S04 SIMILAR. FOR RESET. TOOL FACE OF STONE AS 05/S05.
- (F)** FRACTURED STONE REPAIRED IN-SITU, SEE 02/S04 (SPECIFICATIONS: SECTION 04 03 41, CLAUSE 3.7)

**SCOPE OF WORK (SEE PLANS 01/S03)**

- STOP LOGS WILL BE INSTALLED BY PCA, IN STOP LOG GAINS TO COMPLETE THE WORK INSIDE LOCK. STOP LOGS WILL NOT BE IN PLACE UNTIL ROUGHLY 10 DAYS AFTER NAVIGATION SEASON ENDS.
- LOCATION OF LOCK GATES. NO WORK ON GATES IS INCLUDED IN SCOPE.
- AT EACH SLUICE TUNNEL, ONE STEEL FRAME TO BE REMOVED FROM WALL, CLEANED HOT DIP GALVANIZED, AND REINSTALLED, SEE DETAIL 11/S05.
- 1-SMALL DUTCHMAN TO BE COMPLETED IN VENT SHAFT, AT 1ST COURSE FROM TOP.
- 2-SMALL DUTCHMAN AND 2-LARGE DUTCHMAN TO BE COMPLETED IN VENT SHAFT.

**LEGEND**

- CONCRETE
- WORK PREVIOUSLY COMPLETED
- FLAGSTONE
- BEDROCK
- SURFACE NOT DETERMINED

**ADDITIONAL REPAIRS FOR PRICING**

FOR PRICING, ALLOW THE FOLLOWING ADDITIONAL QUANTITIES BEYOND THOSE SHOWN ON ELEVATIONS ON DRAWING S03:

- ALLOW FOR ADDITIONAL 1.2 m<sup>2</sup> OF NEW STONE
- ALLOW FOR ADDITIONAL 2.5 m<sup>2</sup> OF LARGE DUTCHMAN REPAIR
- ALLOW FOR ADDITIONAL 0.6 m<sup>2</sup> OF SMALL DUTCHMAN REPAIR
- ALLOW FOR ADDITIONAL 0.2m<sup>2</sup> OF EDGE DUTCHMAN REPAIR.

**REPAIRS IN SLUICE TUNNELS**

- 2 EACH
- 5 EACH

**SCHEDULE NOTES:**

1. THE WORK ON THE UPSTREAM END OF THE LOCK CONSTITUTES PHASE 1 OF THE PROJECT. IT WILL BE CARRIED OUT BETWEEN OCT 10 AND DEC 31 2017.

**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, EXCEPT ASSUME AVERAGE JOINT DEPTH IS 30mm.

DUTCHMAN LIST IN LOCK UPSTREAM END			
NO.	LENGTH	HEIGHT	DEPTH(ASSUMED)
D1	900	450	300
D2	600	450	300
D3	600	450	300
D4	820	420	250
D5	600	370	250
D6	260	460	100
D7	250	460	100
D8	260	500	100
D9	250	500	100
D10	500	470	100
D11	1100	520	200
D12	1000	520	200
D13	950	400	150
D14	170	500	200
D15	170	400	150
D16	150	400	250
D17	600	470	200
D18	820	380	150
D19	450	480	125
D20	780	520	150
D21	150	500	150
D22	300	350	150
D23	150	350	100
D24	300	300	125
D25	1480	500	200
D26	300	520	150
D27	760	480	210
D28	510	480	210
D29	760	510	310
D30	760	510	310
D31	760	180	100
D32	760	180	100
D33	150	150	75
D34	840	810	100

NOTE: WHERE EXISTING STONE HAS BEEN PATCHED WITH CONCRETE, REMOVE CONCRETE FULL DEPTH AND REPAIR WITH DUTCHMAN. FOR PRICING, ASSUME THAT 20% OF THE ABOVE NOTED TABULATED DUTCHMAN INVOLVES REMOVAL OF CONCRETE. IF CONCRETE DEPTH IS GREATER THAN ASSUMED DEPTH, THE AREA OF CONCRETE BEYOND WILL BE REPAIRED USING AN ADDITIONAL DUTCHMAN, TO BE PAID AT THE APPLICABLE UNIT RATE.

Parcs Canada Parks Canada

**Canada**

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Ottawa, Ontario K2E 7J5  
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15174A-S03	DRAWING 4 OF 7				
DRAWING NO.	DRAWING NAME				
REFERENCE DRAWINGS					
NO.	DATE	DESCRIPTION	Drawn by	Approved	
1	2017/08/25	ISSUED FOR BID	C.P.	N.J.	
NO.		DATE	DESCRIPTION	Drawn by	Approved

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  
PROVINCE OF ONTARIO

**PROFESSIONAL ENGINEER**  
J.G. COOKE  
AUG 25, 17  
PROVINCE OF ONTARIO

Project title / Titre du projet  
**WEIR - EDMOND'S LOCK MASONRY REHABILITATION**

Drawing title / Titre du dessin  
**LOCK (AREA 1) PLAN AND ELEVATIONS**

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

Drawn by/ Dessine par	Date
C.P.	2017/05/03
Field Recording by / Releve-Terminé par	Date
P.C. & J.C.	2015/12/21
Approved by / Approuve par	Date
N.J.	2016/06/20
Checked by/ Verifie par	Date
J.C.	2016/06/20

Project No./ No. du projet	Asset No.	Sheet No./ Feuille No.
15174A		<b>S03</b>
Drawing Re No./No. du Dessin		
15174A-S03-R02		