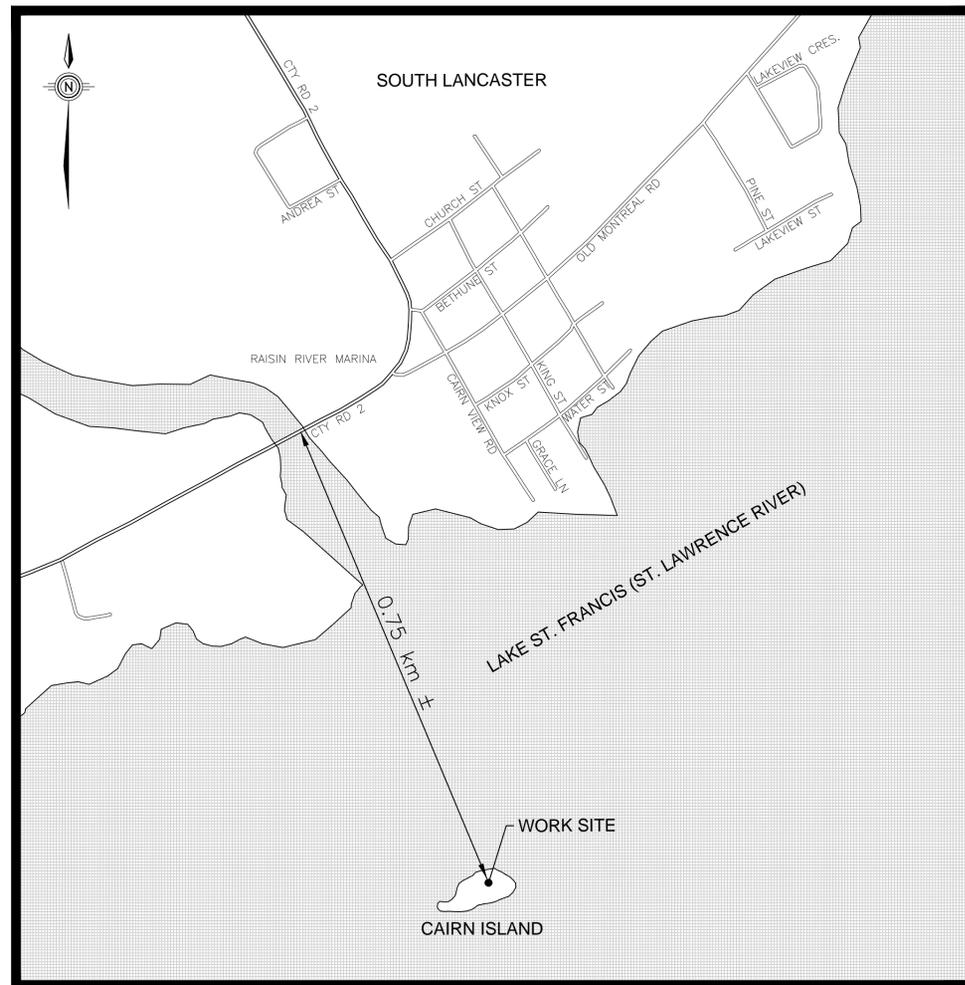


# GLENGARRY CAIRN NATIONAL HISTORIC SITE OF CANADA

## LIST of DRAWINGS

- S0 - COVER SHEET
- S1 - KEY PLAN AND NOTES
- S2 - SITE ACCESS AND PROTECTION
- S3 - MISCELLANEOUS DETAILS
- S4 - MASONRY REPAIRS (I)
- S5 - MASONRY REPAIRS (II)
- S6 - MASONRY REPAIRS (III)
- S7 - CAP REPAIRS AT TOP OF CARIN



KEY MAP  
N.T.S.



## GEORGIAN BAY and ONTARIO EAST FIELD UNIT

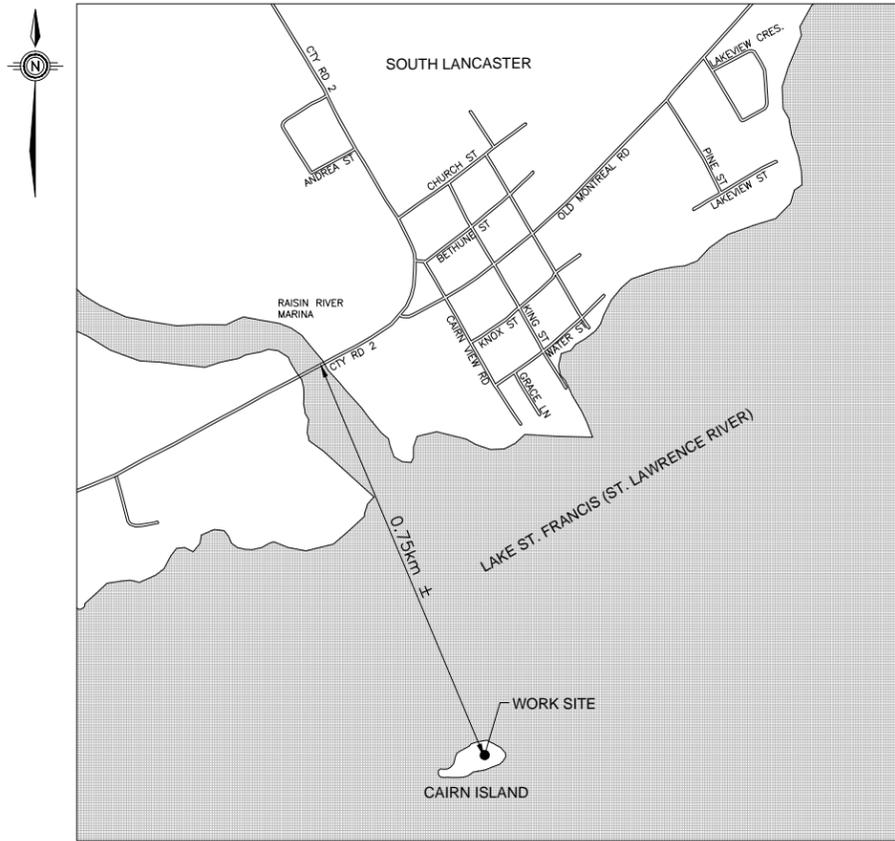


Parks  
Canada

Parcs  
Canada



Project: 784-30023502 September, 2016



**KEY MAP**  
N.T.S.

**GENERAL NOTES:**

- DO NOT SCALE DRAWINGS.
- PROVIDE ENVIRONMENTAL PROTECTION IN STRICT CONFORMANCE WITH THE REQUIREMENTS OF GOVERNING AUTHORITIES, AND DRAWINGS/SPECIFICATION. NO CONTAMINANTS ARE TO ENTER THE ADJACENT WATERWAY.
- THE SITE IS A SENSITIVE ARCHAEOLOGICAL AREA AND THE CONTRACTOR SHALL LIMIT HIS WORK TO THE AREAS INDICATED. NO EXCAVATION IS PERMITTED ANYWHERE ON SITE.
- PROVIDE PROTECTION TO ALL ARCHITECTURAL FEATURES TO REMAIN. PROTECTION TO BE A MINIMUM OF, BUT NOT LIMITED TO, THE USE OF PLYWOOD AND RIGID INSULATION. ANY FEATURES WHICH ARE DAMAGED AS A RESULT OF FAILURE TO PROVIDE ADEQUATE PROTECTION, SHALL BE REPAIRED TO THE SATISFACTION OF THE DEPARTMENTAL REPRESENTATIVE AT NO ADDITIONAL EXPENSE TO THE CONTRACT.
- ALL DEBRIS FROM THE WORK SHALL BE REMOVED FROM THE SITE ON A DAILY BASIS FOR THE DURATION OF THE CONTRACT UNLESS OTHERWISE APPROVED. ALL EFFECTED AREAS SHALL BE CLEANED UP PROMPTLY WHEN REMOVALS ARE COMPLETE.
- MAINTAIN WORK SITE IN A NEAT AND ORDERLY MANNER FOR THE DURATION OF THE PROJECT. ALL DEBRIS, EXCEPT THOSE ITEMS SPECIFICALLY DESIGNATED, SHALL BE REMOVED FROM THE SITE ON A DAILY BASIS TO THE SATISFACTION OF THE DEPARTMENTAL REPRESENTATIVE. MINIMIZE DUST AND NOISE.
- REINSTATE AND MAKE GOOD ALL DISRUPTED AREAS TO THE SATISFACTION OF THE DEPARTMENTAL REPRESENTATIVE, AFTER COMPLETION OF THE WORK.

**WILD PARSNIP CAUTION:**  
THIS INVASIVE WEED HAS BEEN NOTED AT THE SITE AND SHOULD BE AVOIDED AS IT POSES A SIGNIFICANT HEALTH RISK TO PERSONS.

**SCOPE of WORK:**

- 1 CONSTRUCT APPROVED TEMPORARY DOCKING SYSTEM AT LOCATION INDICATED OR ALTERNATE APPROVED LOCATION.
- 2 SUPPLY AND INSTALL ALL ENVIRONMENTAL PROTECTION MEASURES.
- 3 STRIP VEGETATION GROUND COVER WITHIN THE PROPOSED "ACCESS CORRIDOR", SUPPLY AND INSTALL GROUND PROTECTION AS SHOWN TO THE LINES AND LIMITS INDICATED.
- 4 COMPLETE TREE TRIMMING WHERE NECESSARY. WORK SHALL BE COMPLETED BY A LICENSED ARBORIST.
- 5 PROVIDE ALL MEANS OF ACCESS TO COMPLETE THE WORK. WHILE SCAFFOLDING CAN BE USED, THE INTENT IS TO COMPLETE THE WORKS FROM MOBILE LIFTS (GENIES) DUE TO THE DIFFICULTY OF ERECTING SCAFFOLDING TO THE SLOPED FACES OF THE CAIRN.
- 6 REMOVE EXISTING MORTAR AND DISPOSE OF OFF SITE.
- 7 REPOINT ALL MASONRY JOINTS. FORM REGLETS AT LARGE CRACKS, AS INDICATED, TO RECEIVE SEALANT.
- 8 REPLACE STONE WITH NEW, AS DIRECTED.
- 9 INSTALL SEALANT, COMPLETE WITH BACKER ROD, AT LARGE CRACK LOCATIONS.
- 10 INSTALL MORTAR FILL CRICKETS ON STEPS COMPLETE WITH SEALANTS.
- 11 INSTALL MORTAR FILL AND LEAD FLASHING AS NEW CAPPING AT TOP OF CAIRN.
- 12 PAINT RAILING. NOTE EXISTING PAINT CONTAINS LEAD.
- 13 CLEAN AND TIDY SITE TO SATISFACTION OF DEPARTMENTAL REPRESENTATIVE. REINSTATE DISTURBED GROUND WITH 100mm TOPSOIL, SEED AND MULCH.
- 14 REMOVE ALL EQUIPMENT, MATERIALS, FENCING, SIGNS ect. FROM SITE. DEMOBILIZE TEMPORARY DOCKING SYSTEM.

**NOTE:**

THE ABOVE IS NOT INTENDED TO BE AN EXHAUSTIVE LIST OF ALL ITEMS REQUIRED TO COMPLETE THE WORK, NOR IS IT INTENDED TO BE A SEQUENCE OF WORK.

**MASONRY CONSTRUCTION:**

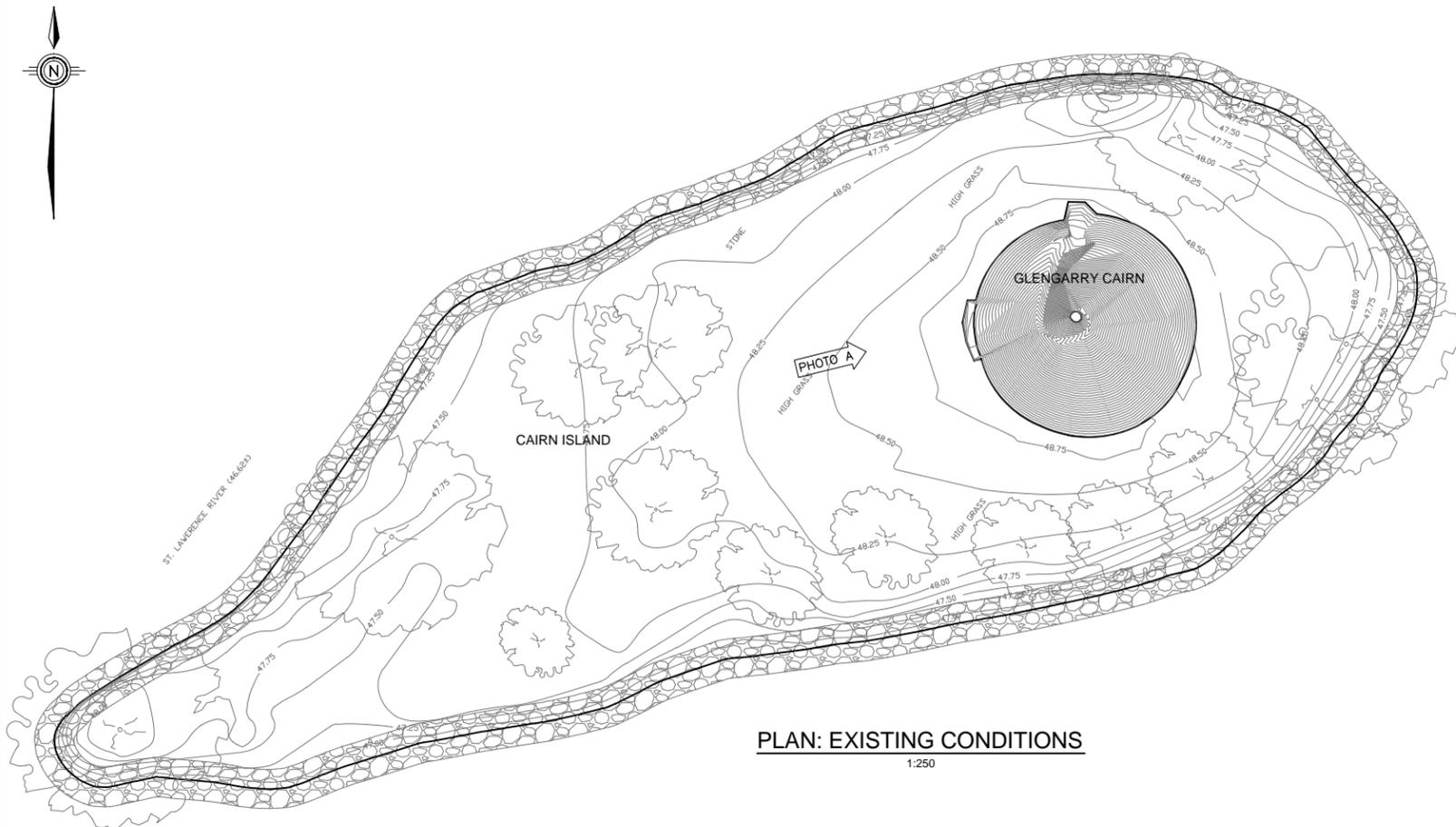
- ALL MASONRY RESTORATION TO BE TO CAN3-A371-14 EXCEPT AS MODIFIED BY THESE DRAWINGS OR THE CONTRACT SPECIFICATIONS. ALL MASONRY RESTORATION IS TO PRESERVE HERITAGE APPEARANCE.
- NO STONE UNITS ARE TO BE REPAIRED OR REPLACED WITHOUT PRIOR INSPECTION OR APPROVAL OF THE DEPARTMENTAL REPRESENTATIVE.
- MORTAR USED FOR, MORTAR FILL, BACK POINTING AND FINISH POINTING SHALL BE TYPE "S", 1½:4 (GREY PORTLAND CEMENT: LIME: SAND) MIXTURE. MORTARS SHALL CONFORM TO CSA A179-14, "MORTAR AND GROUT FOR UNIT MASONRY", EXCEPT AS MODIFIED BY THE SPECIFICATIONS. ALL MORTAR SHALL BE AIR ENTRAINED 15% TO 17%.
- SPECIAL MASONRY JOINT FINISH SEALANT SHALL BE APPLIED AT LOCATIONS INDICATED. SEALER TO BE INSTALLED AS THE FINISH LAYER OF POINTING IN STRICT CONFORMANCE WITH THE MANUFACTURER'S RECOMMENDATIONS, COMPLETE WITH BACKER ROD AND/OR BOND BREAKING TAPE.
- NEW REPLACEMENT STONE SHALL MATCH EXISTING IN SIZE, COLOUR (LONG TERM WEATHERED), TEXTURE AND FINISH. REPLACEMENT STONE SHALL BE A CATEGORY III LIMESTONE MEETING THE REQUIREMENTS OF ASTM C568.
- NO CLEANING OF THE EXISTING STONE WORK IS TO BE CARRIED OUT OTHER THAN THAT REQUIRED TO RESTORE EXISTING APPEARANCE AS A RESULT OF SPILLAGE OF MORTAR, GROUT, ADHESIVES, ETC. RESULTING FROM THE WORK OF THIS CONTRACT.

**LIST OF DRAWINGS:**

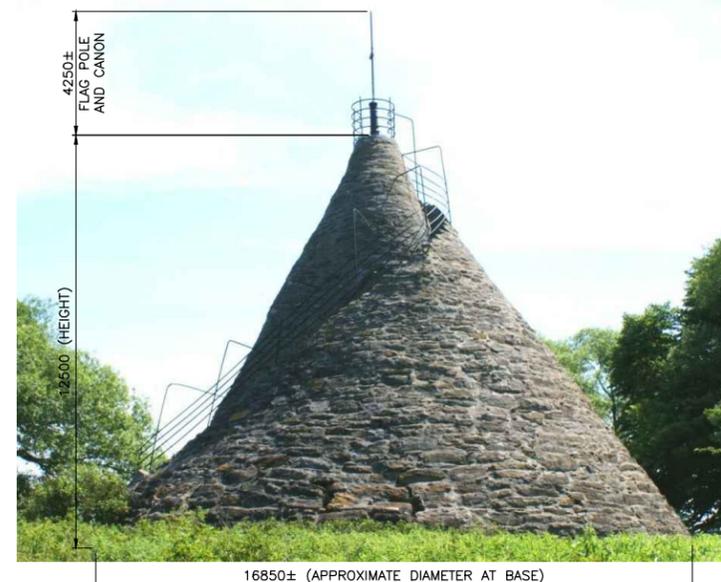
- S1 - KEY PLAN AND NOTES
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- S4 - MASONRY REPAIRS (I)
- S5 - MASONRY REPAIRS (II)
- S6 - MASONRY REPAIRS (III)
- S7 - CAP REPAIRS AT TOP OF CAIRN

**KEY:**

PHOTO A → DIRECTION/LOCATION FOR PHOTOS ON DETAIL DRAWINGS



**PLAN: EXISTING CONDITIONS**  
1:250



**PHOTO A - GLENGARRY CAIRN WEST ELEVATION**  
N.T.S.

No.	Date	Description	Drawn by Dessiné par	Approved Approuvé
2	FEB17	ISSUED FOR TENDER		S.T.R.
1	SEPT16	ISSUED FOR FINAL REVIEW	R.C.J.	S.T.R.

Revision / Révision	
A	Detail number No. du détail
B	Location dwg. no. No. sur dessin
C	Drawing sheet no. No. du dessin

Client Acceptance / Acceptation du client  
Signature \_\_\_\_\_ Date \_\_\_\_\_  
File No./No. de dossier \_\_\_\_\_



**Canada**



Project title / Titre du projet

**GLENGARRY CAIRN NATIONAL HISTORIC SITE OF CANADA MASONRY REPAIRS**

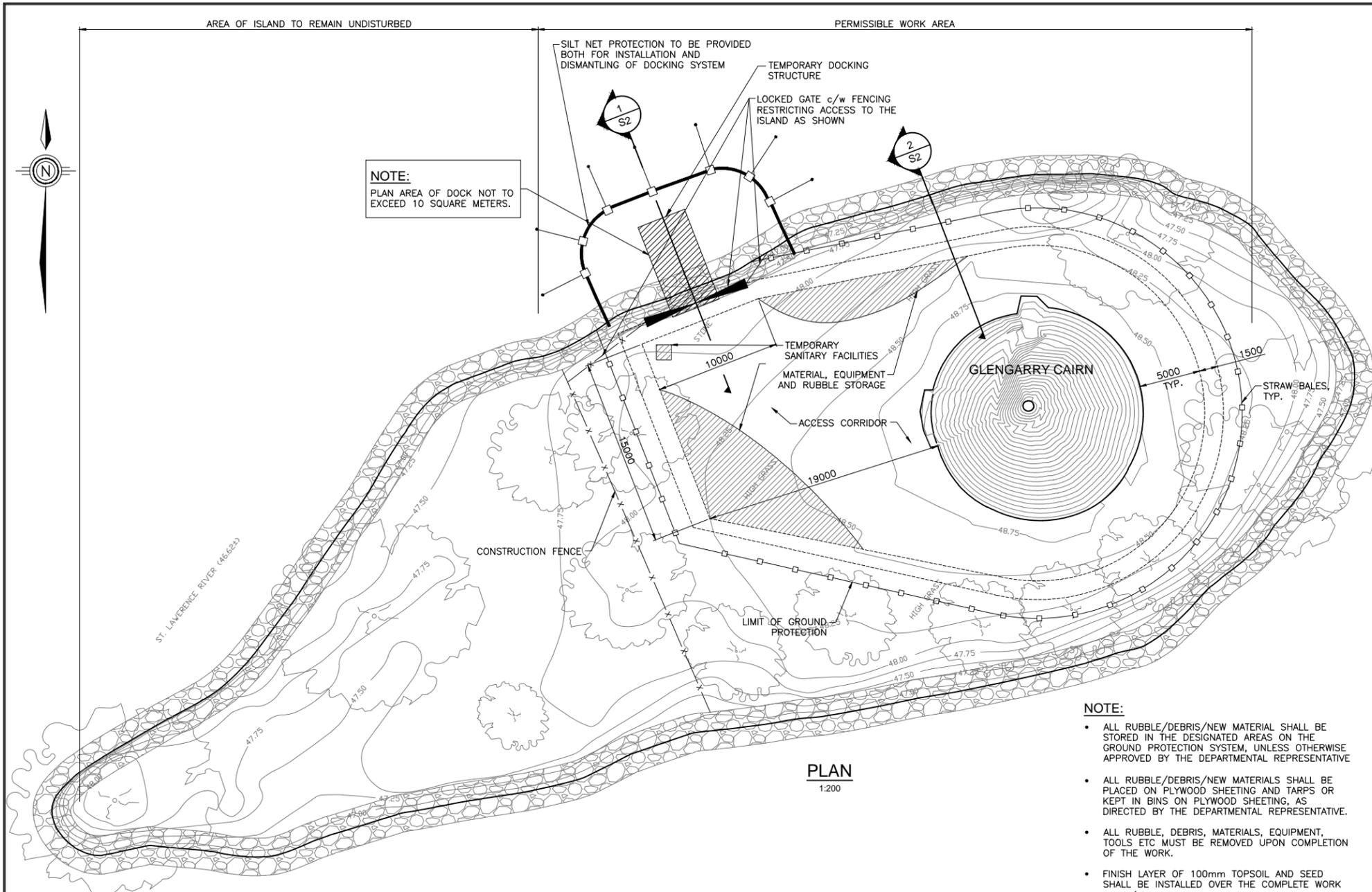
**KINGSTON ONTARIO**

Drawing title / Titre du dessin

**KEY PLAN AND NOTES**

Scale / Echelle	
NOT TO SCALE	
Drawn by/ Dessiné par	Date
R.C.J.	SEPT 2016
Designed by/ Conçu par	Date
S.T.R.	SEPT 2016
Checked by/ Vérifié par	Date
Approved by / Approuvé par	Date

Project No./No. du projet <b>784-30023502</b>	Client No./No du Client	Sheet No./ Feuille No.
Drawing Reference No./Numéro de Référence du Dessin		<b>S1</b>



**PLAN**  
1:200

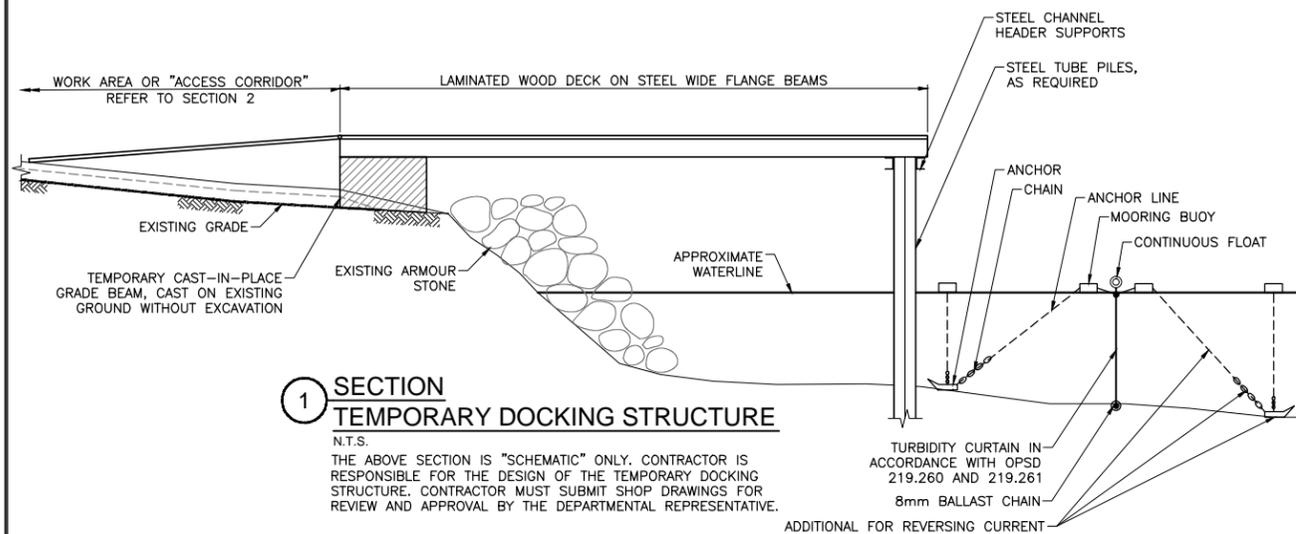
- NOTE:**
- ALL RUBBLE/DEBRIS/NEW MATERIAL SHALL BE STORED IN THE DESIGNATED AREAS ON THE GROUND PROTECTION SYSTEM, UNLESS OTHERWISE APPROVED BY THE DEPARTMENTAL REPRESENTATIVE.
  - ALL RUBBLE/DEBRIS/NEW MATERIALS SHALL BE PLACED ON PLYWOOD SHEETING AND TARPS OR KEPT IN BINS ON PLYWOOD SHEETING, AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.
  - ALL RUBBLE, DEBRIS, MATERIALS, EQUIPMENT, TOOLS ETC MUST BE REMOVED UPON COMPLETION OF THE WORK.
  - FINISH LAYER OF 100mm TOPSOIL AND SEED SHALL BE INSTALLED OVER THE COMPLETE WORK AREA (DELINEATED BY LIMIT OF GROUND PROTECTION) WHEN ALL OTHER WORK IS COMPLETE AND THE SITE CONDITIONS ARE SATISFACTORY TO THE DEPARTMENTAL REPRESENTATIVE.

**ACCESS and PROTECTION:**

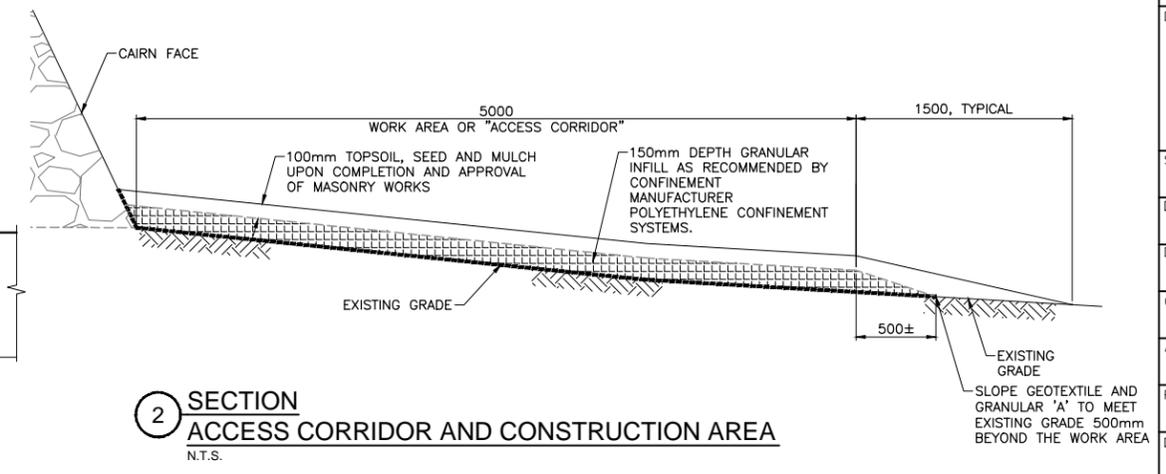
- ALL WORKS ARE RESTRICTED TO THE PERMISSIBLE WORK AREA INDICATED.
- SUBMIT 5 COPIES OF SHOP DRAWINGS TO THE DEPARTMENTAL REPRESENTATIVE FOR REVIEW FOR ALL ACCESS AND CONVEYANCE WORKS. DO NOT PROCEED WITH WORK UNTIL SHOP DRAWINGS ARE APPROVED BY THE DEPARTMENTAL REPRESENTATIVE.
- ALL MATERIALS, EQUIPMENT, RUBBLE ETC SHALL BE KEPT WITHIN THE DELINEATED STORAGE AREAS, UNLESS OTHERWISE APPROVED BY THE DEPARTMENTAL REPRESENTATIVE.
- PROVIDE ALL SCAFFOLDING, LADDERS, MOBILE LIFTING EQUIPMENT, ETC. AS NECESSARY TO CARRY OUT THE WORK OF ALL TRADES. ALL MEANS OF ACCESS TO BE IN ACCORDANCE WITH THE OCCUPATIONAL HEALTH AND SAFETY ACT. FIELD MEASURE TO ENSURE PROPER FIT OF ALL WORKS.
- IF SCAFFOLDING IS USED FOR ACCESS, SCAFFOLDING SHALL BE ERECTED ON WOOD SILLS OVER PLYWOOD AND TARPS. WOOD SILLS SHALL BE OF SUFFICIENT SIZE TO ENSURE NO DAMAGE TO EXISTING FEATURES.
- THERE ARE VARIOUS SITE FEATURES LOCATED AROUND AND WITHIN THE PERMISSIBLE WORK AND STORAGE AREA INCLUDING HERITAGE SIGNS, HERITAGE MONUMENTS etc. THESE FEATURES ARE NOT TO BE DAMAGED OR DISTURBED BY ANY CONSTRUCTION OPERATIONS. CONTRACTOR IS TO PROVIDE ALL NECESSARY PROTECTION TO SAFE GUARD ALL HERITAGE AND NATURAL SITE FEATURES.
- INSTALL, MAINTAIN AND REMOVE ALL BARRIERS AT THE SITE TO PREVENT ACCESS BY THE PUBLIC TO THE IMMEDIATE WORK AREA. ALL BARRIERS TO BE IN ACCORDANCE WITH OCCUPATIONAL HEALTH AND SAFETY ACT.
- INSTALL, MAINTAIN AND REMOVE ALL NECESSARY CONSTRUCTION SIGNAGE TO RESTRICT PEDESTRIAN AND PUBLIC ACCESS TO WORK AREA. SIGN POSTS SHALL NOT BE ANCHORED, EMBEDDED OR DRILLED INTO EXISTING GROUNDS. ALL SIGNAGE TO BE SUPPORTED BY MEANS OF BRACING, COUNTER BALANCED ABOVE EXISTING GROUNDS.
- LOCATION OF ANY TEMPORARY SANITARY FACILITIES SHALL BE CONFIRMED WITH DEPARTMENTAL REPRESENTATIVE.

**ENVIRONMENTAL PROTECTION:**

- TAKE ALL NECESSARY PRECAUTIONS TO ENSURE NO CONTAMINANTS ENTER THE WATERCOURSE.
- ENVIRONMENTAL PROTECTION MEASURES SHALL BE INSTALLED PRIOR TO AND MAINTAINED DURING CONSTRUCTION TO PREVENT ENTRY OF SEDIMENT INTO THE ADJACENT WATERWAY. AS A MINIMUM INSTALL SEDIMENT CONTROL MEASURES AS ILLUSTRATED ON DRAWINGS. INSTALL ADDITIONAL MEASURES AS REQUIRED TO PREVENT SEDIMENT ENTERING WATER COURSES. DRAWING'S ARE SCHEMATIC ONLY, EXACT LOCATION TO BE VERIFIED WITH DEPARTMENT REPRESENTATIVE PRIOR TO INSTALLATION. SEDIMENT AND EROSION CONTROL MEASURES ARE TO BE PLACED IN GENERAL CONFORMANCE WITH OPSS 805 "CONSTRUCTION SPECIFICATION FOR TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES".
- ALL EQUIPMENT MAINTENANCE AND REFUELING WILL BE CONTROLLED TO PREVENT ANY DISCHARGE OF PETROLEUM PRODUCTS INTO THE WATERCOURSE.
- CONTRACTOR SHALL SUPPLY AND MAINTAIN M.O.E. APPROVED "SPILLS KIT" ON SITE AT ALL TIMES.
- TREES ARE NOT TO BE DAMAGED AND SHALL BE PROTECTED FROM CONSTRUCTION OPERATIONS. NO MATERIALS AND/OR EQUIPMENT ARE TO BE STORED OR KEPT WITHIN THE TREE DRIP LINES. IF NECESSARY, INSTALL TREE PROTECTION ACCORDING TO OPSS 801 "CONSTRUCTION SPECIFICATION FOR THE PROTECTION OF TREES".



**1 SECTION**  
**TEMPORARY DOCKING STRUCTURE**  
N.T.S.  
THE ABOVE SECTION IS "SCHEMATIC" ONLY. CONTRACTOR IS RESPONSIBLE FOR THE DESIGN OF THE TEMPORARY DOCKING STRUCTURE. CONTRACTOR MUST SUBMIT SHOP DRAWINGS FOR REVIEW AND APPROVAL BY THE DEPARTMENTAL REPRESENTATIVE.



**2 SECTION**  
**ACCESS CORRIDOR AND CONSTRUCTION AREA**  
N.T.S.

No.	Date	Description	Drawn by Dessine par	Approved Approuvé
2	FEB17	ISSUED FOR TENDER		S.T.R.
1	SEPT16	ISSUED FOR FINAL REVIEW	R.C.J.	S.T.R.

Revision / Révision	
A	A Detail number No. du détail
B	B Location dwg. no. No. sur dessin
C	C Drawing sheet no. No. du dessin

Client Acceptance / Acceptation du client  
Signature \_\_\_\_\_ Date \_\_\_\_\_  
File No./No. de dossier \_\_\_\_\_



Project title / Titre du projet

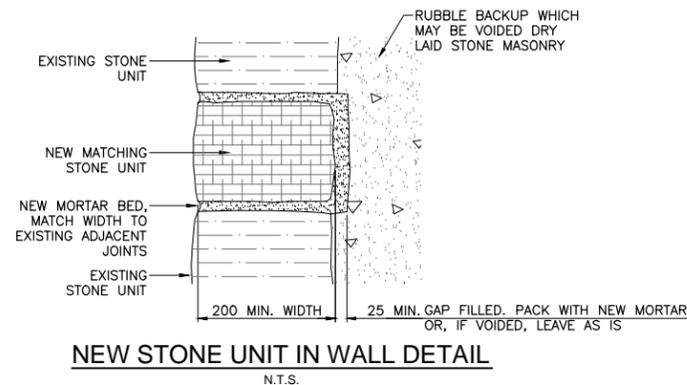
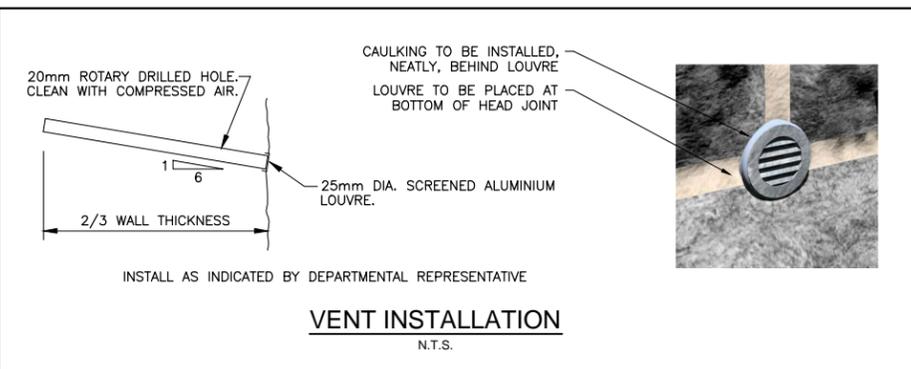
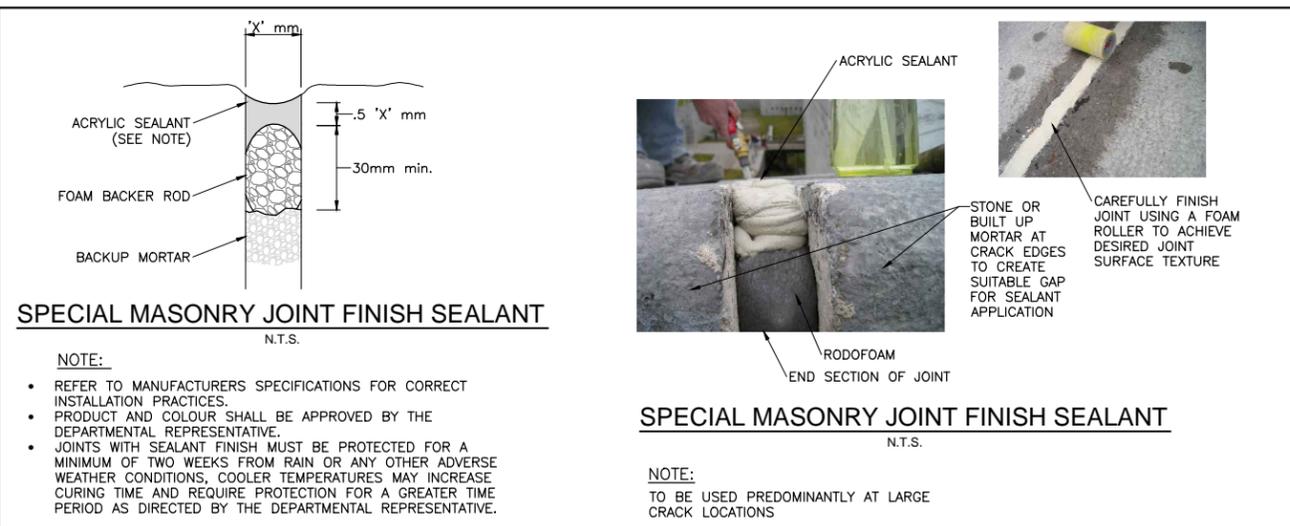
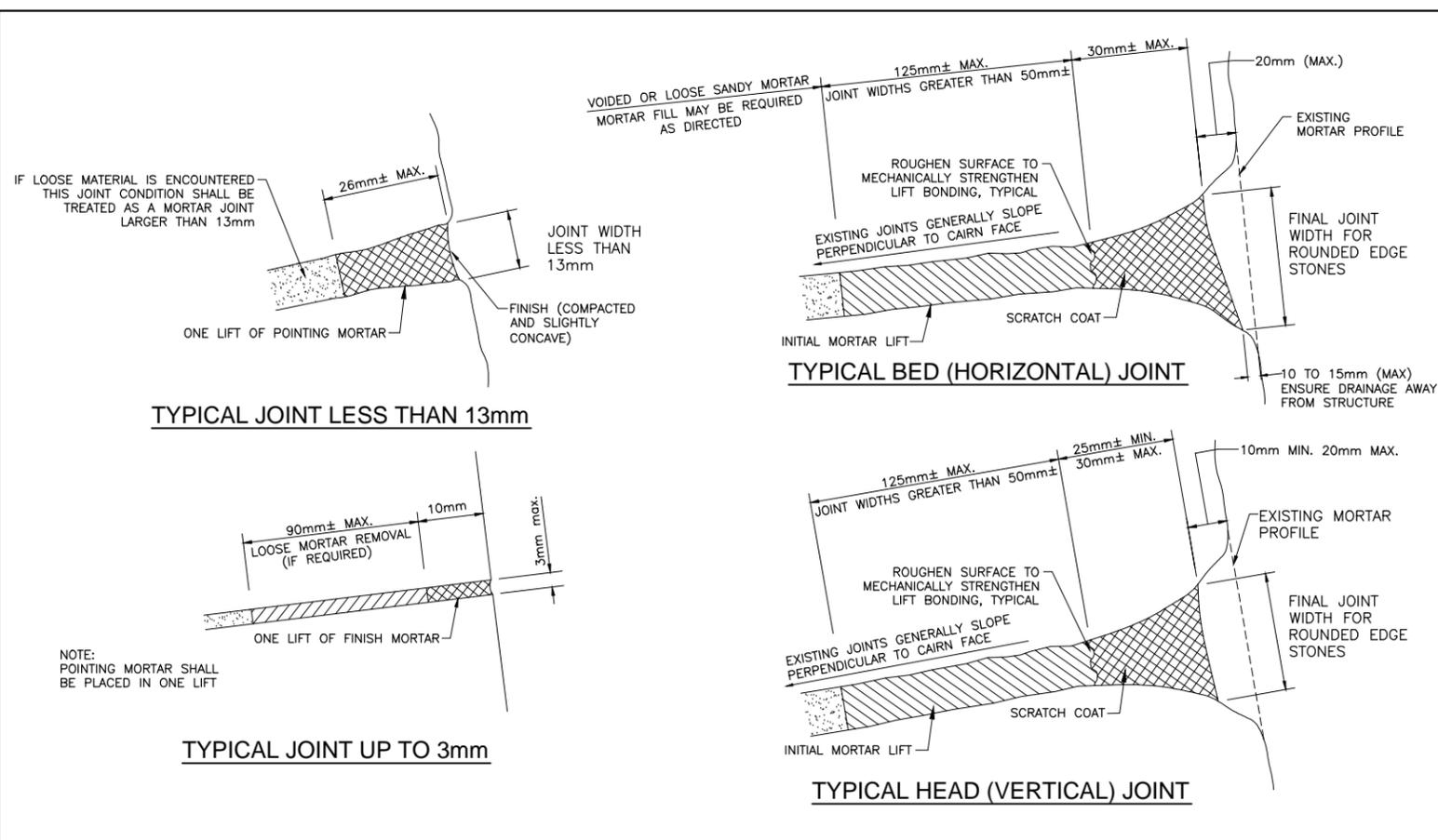
**GLENGARRY CAIRN NATIONAL HISTORIC SITE OF CANADA MASONRY REPAIRS**

**KINGSTON ONTARIO**

Drawing title / Titre du dessin  
**SITE ACCESS AND PROTECTION**

Scale / Echelle	NOT TO SCALE
Drawn by/ Dessiné par	Date
R.C.J.	SEPT 2016
Designed by/ Conçu par	Date
S.T.R.	SEPT 2016
Checked by/ Vérifié par	Date
Approved by / Approuvé par	Date

Project No./No. du projet	Client No./No du Client	Sheet No./ Feuille No.
784-30023502		S2
Drawing Reference No./Numéro de Référence du Dessin		



2	FEB17	ISSUED FOR TENDER		S.T.R.
1	SEPT16	ISSUED FOR FINAL REVIEW	R.C.J.	S.T.R.
No.	Date	Description	Drawn by Dessiné par	Approved Approuvé

Revision / Révision	
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Client Acceptance / Acceptation du client  
 Signature \_\_\_\_\_ Date \_\_\_\_\_  
 File No./No. de dossier \_\_\_\_\_



**Canada**



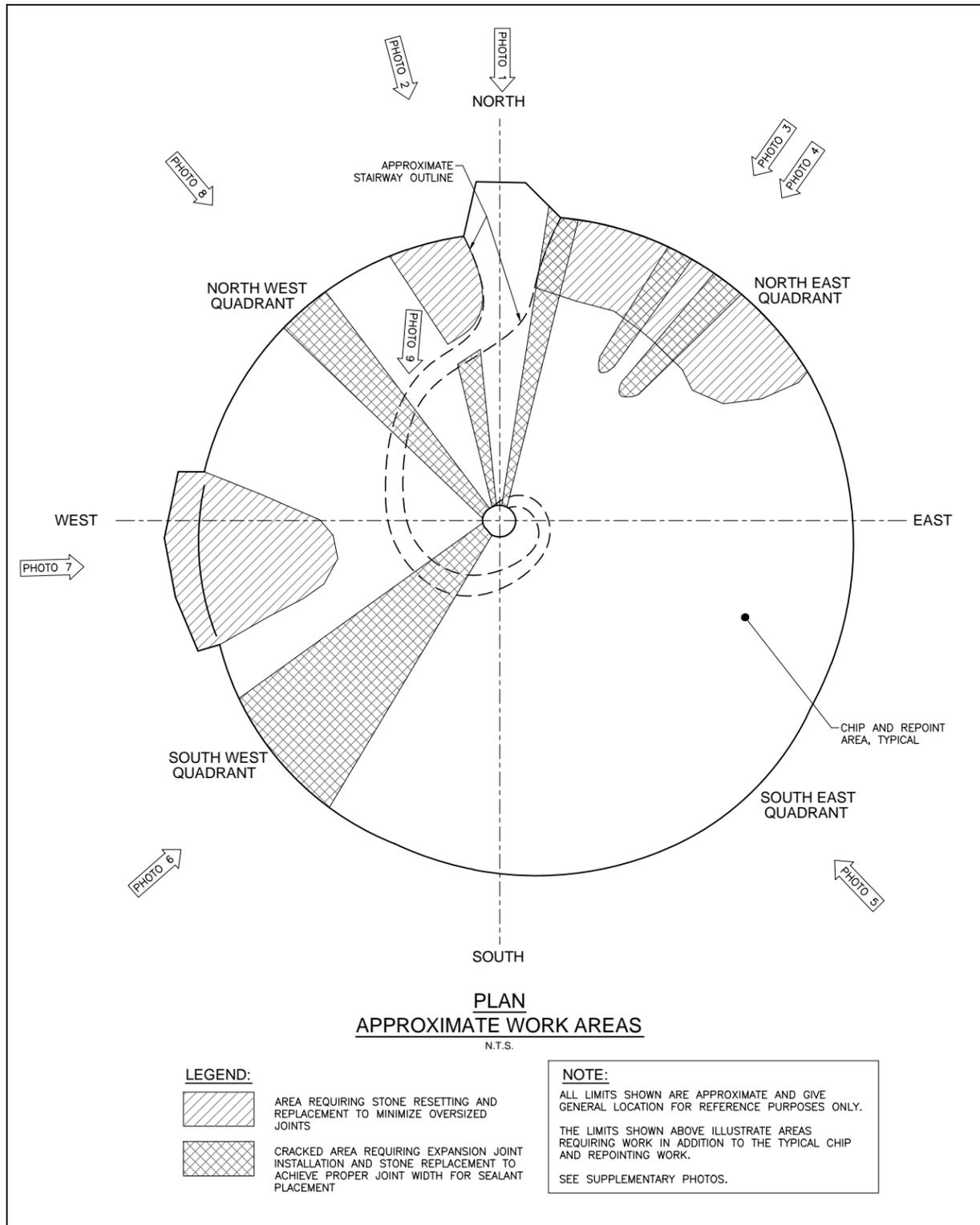
Project title / Titre du projet  
**GLENGARRY CAIRN NATIONAL HISTORIC SITE OF CANADA MASONRY REPAIRS**

**KINGSTON ONTARIO**

Drawing title / Titre du dessin  
**MISCELLANEOUS DETAILS**

Scale / Echelle	NOT TO SCALE		
Drawn by/ Dessiné par	R.C.J.	Date	SEPT 2016
Designed by/ Conçu par	S.T.R.	Date	SEPT 2016
Checked by/ Vérifié par		Date	
Approved by / Approuvé par		Date	

Project No./No. du projet <b>784-30023502</b>	Client No./No du Client	Sheet No./ Feuille No. <b>S3</b>
Drawing Reference No./Numéro de Référence du Dessin		



**PHOTO 1**  
**UPPER CRACK REPAIR AREA**  
N.T.S.

INSTALL STONE UNITS TO MINIMIZE CRACK WIDTH AS DIRECTED BY DEPARTMENTAL REPRESENTATIVE. FINISH POINTING LAYER SHALL BE SUBSTITUTED WITH SPECIAL MASONRY JOINT FINISH SEALANT TO CREATE EXPANSION JOINT AT CRACK.



APPLY SPECIAL MASONRY JOINT FINISH SEALANT AS FINAL LIFT SURROUNDING MONUMENT

**PHOTO 2**  
**LOWER CRACK AND REPAIR AREAS**  
N.T.S.

APPROXIMATE AREA REQUIRING STONE RESET SUPPLY AND INSTALLATION OF STONE MASONRY, AS DIRECTED BY DEPARTMENTAL REPRESENTATIVE

**SCOPE of WORK:**

- INSTALL ALL ACCESS (SCAFFOLDING AND/OR ELEVATED WORK PLATFORMS) AND PROTECTION AS REQUIRED TO COMPLETE WORK. REFER TO DRAWING S2.
- REPOINT 100% OF ALL EXTERIOR JOINTS ON THE SURFACE OF THE CAIRN, UNLESS OTHERWISE INDICATED.
- APPLY SPECIAL MASONRY JOINT FINISH SEALANT AS SHOWN AND AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.
- REPAIR, REPLACE OR INSTALL STONE UNITS AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.
- CLEAN UP AND RESTORE FEATURES, DISTURBED BY THIS WORK, TO ORIGINAL CONDITIONS AND INSTALL LAYER OF TOPSOIL AND SEED OVER GROUND PROTECTION AS SHOWN ON DRAWING S2.
- NO EXCAVATION IS PERMITTED. LIMIT OF WORK AT BASE OF WALL IS TO EXISTING GROUND SURFACE.
- REPAIR STAIRWAY AS SHOWN ON DRAWING S6, AND INSTALL SEALANT AT INTERFACE BETWEEN STAIRS AND CAIRN, AS DIRECTED BY DEPARTMENTAL REPRESENTATIVE.
- REPLACE UPPER MOST CAP AT CANNON BARREL WITH MORTAR FILL AND COVER OVER WITH LEAD FLASHING.
- INSTALL SPECIAL MASONRY JOINT FINISH SEALANT AT ALL LOCATIONS WHERE RAILING IS ANCHORED INTO MASONRY WALL, AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.

**NOTES:**

- REFER TO DRAWING S2 FOR ACCESS AND PROTECTION DETAILS.
- REFER TO DRAWING S3 FOR MISCELLANEOUS DETAILS.
- ALL PHOTOS AND DRAWING DETAILS SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY AND DO NOT GUARANTEE CONDITIONS OR DIMENSIONS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS ON SITE PRIOR TO BIDDING WORK.

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1	SEPT16	ISSUED FOR FINAL REVIEW	R.C.J.	S.T.R.
No.	Date	Description	Drawn by Dessiné par	Approved Approuvé

Revision / Révision	
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Client Acceptance / Acceptation du client  
Signature \_\_\_\_\_ Date \_\_\_\_\_  
File No./No. de dossier \_\_\_\_\_



**Canada**



Project title / Titre du projet

**GLENGARRY CAIRN NATIONAL HISTORIC SITE OF CANADA MASONRY REPAIRS**

**KINGSTON ONTARIO**

Drawing title / Titre du dessin

**MASONRY REPAIRS (I)**

Scale / Échelle

NOT TO SCALE

Drawn by/ Dessiné par Date

R.C.J. SEPT 2016

Designed by/ Conçu par Date

S.T.R. SEPT 2016

Checked by/ Vérifié par Date

Approved by / Approuvé par Date

Project No./No. du projet Client No./No. du Client Sheet No./ Feuille No.

784-30023502

Drawing Reference No./Numéro de Référence du Dessin

**S4**



APPROXIMATE REPAIR AREA REQUIRING RESET, SUPPLY AND INSTALLATION OF STONE MASONRY, AS DIRECTED BY DEPARTMENTAL REPRESENTATIVE

**PHOTO 3**  
**APPROXIMATE REPAIR AREA**  
N.T.S.



APPROXIMATE REPAIR AREA REQUIRING RESET, SUPPLY AND INSTALLATION OF STONE MASONRY, AS DIRECTED BY DEPARTMENTAL REPRESENTATIVE

**PHOTO 4**  
**APPROXIMATE REPAIR AREA - PARTIAL VIEW**  
N.T.S.



TYPICAL CONDITIONS REQUIRING MINIMAL STONE REPLACEMENT TO ACHIEVE JOINT WIDTHS AS DIRECTED BY DEPARTMENTAL REPRESENTATIVE

**PHOTO 5**  
**EXISTING CONDITIONS**  
N.T.S.



INSTALL STONE UNITS TO MINIMIZE CRACK WIDTH AS DIRECTED BY DEPARTMENTAL REPRESENTATIVE. FINISH POINTING SHALL BE SUBSTITUTED WITH SPECIAL MASONRY JOINT FINISH SEALANT AT THESE CRACKS TO CREATE EXPANSION JOINT AT CRACK

**PHOTO 6**  
**CRACK REPAIR AREA**  
N.T.S.

**SCOPE of WORK:**

- INSTALL ALL ACCESS (SCAFFOLDING AND/OR ELEVATED WORK PLATFORMS) AND PROTECTION AS REQUIRED TO COMPLETE WORK. REFER TO DRAWING S2.
- REPOINT 100% OF ALL EXTERIOR JOINTS ON THE SURFACE OF THE CAIRN, UNLESS OTHERWISE INDICATED.
- APPLY SPECIAL MASONRY JOINT FINISH SEALANT AS SHOWN AND AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.
- REPAIR, REPLACE OR INSTALL STONE UNITS AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.
- CLEAN UP AND RESTORE FEATURES, DISTURBED BY THIS WORK, TO ORIGINAL CONDITIONS AND INSTALL LAYER OF TOPSOIL AND SEED OVER GROUND PROTECTION AS SHOWN ON DRAWING S2.
- NO EXCAVATION IS PERMITTED. LIMIT OF WORK AT BASE OF WALL IS TO EXISTING GROUND SURFACE.
- REPAIR STAIRWAY AS SHOWN ON DRAWING S6, AND INSTALL SEALANT AT INTERFACE BETWEEN STAIRS AND CAIRN, AS DIRECTED BY DEPARTMENTAL REPRESENTATIVE.
- REPLACE UPPER MOST CAP AT CANNON BARREL WITH MORTAR FILL AND COVER OVER WITH LEAD FLASHING.
- INSTALL SPECIAL MASONRY JOINT FINISH SEALANT AT ALL LOCATIONS WHERE RAILING IS ANCHORED INTO MASONRY WALL, AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.

**NOTES:**

- REFER TO DRAWING S2 FOR ACCESS AND PROTECTION DETAILS.
- REFER TO DRAWING S3 FOR MISCELLANEOUS DETAILS.
- ALL PHOTOS AND DRAWING DETAILS SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY AND DO NOT GUARANTEE CONDITIONS OR DIMENSIONS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS ON SITE PRIOR TO BIDDING WORK

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Signature \_\_\_\_\_ Date \_\_\_\_\_  
File No./No. de dossier \_\_\_\_\_



**Canada**



Project title / Titre du projet

**GLENGARRY CAIRN NATIONAL HISTORIC SITE OF CANADA MASONRY REPAIRS**

**KINGSTON ONTARIO**

Drawing title / Titre du dessin

**MASONRY REPAIRS (II)**

Scale / Échelle

NOT TO SCALE

Drawn by/ Dessiné par R.C.J. Date SEPT 2016

Designed by/ Conçu par S.T.R. Date SEPT 2016

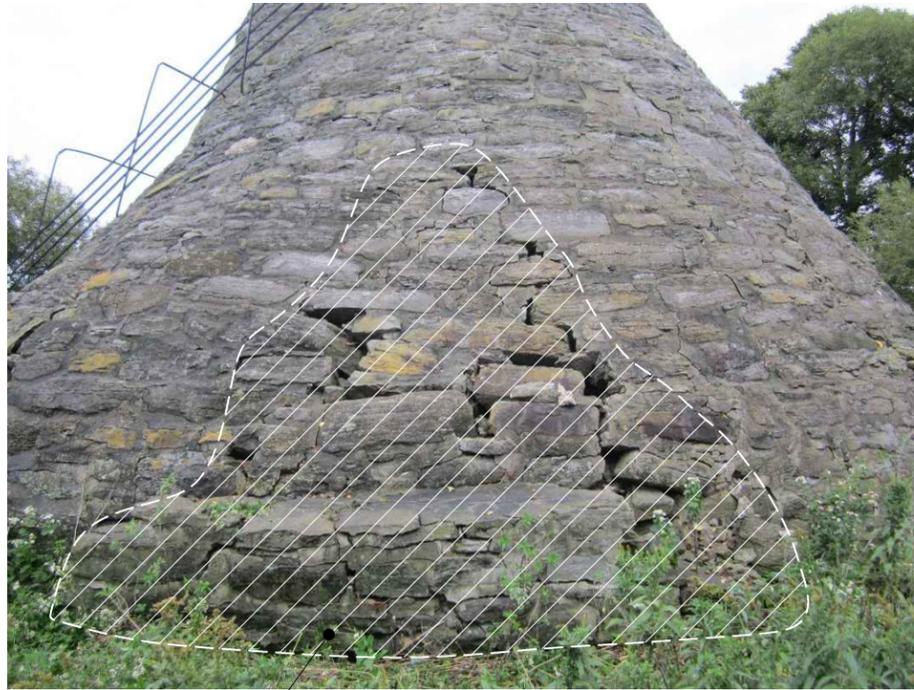
Checked by/ Vérifié par Date

Approved by / Approuvé par Date

Project No./No. du projet 784-30023502 Client No./No du Client

Drawing Reference No./Numéro de Référence du Dessin

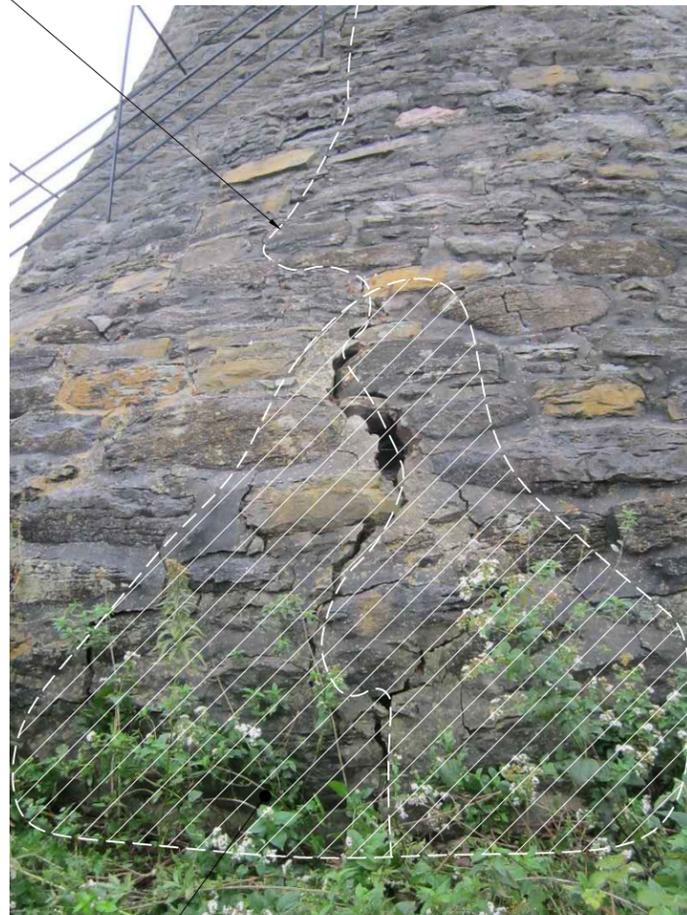
**S5**



REPAIR AREA REQUIRING RESET, SUPPLY AND INSTALLATION OF STONE MASONRY, AS DIRECTED BY DEPARTMENTAL REPRESENTATIVE

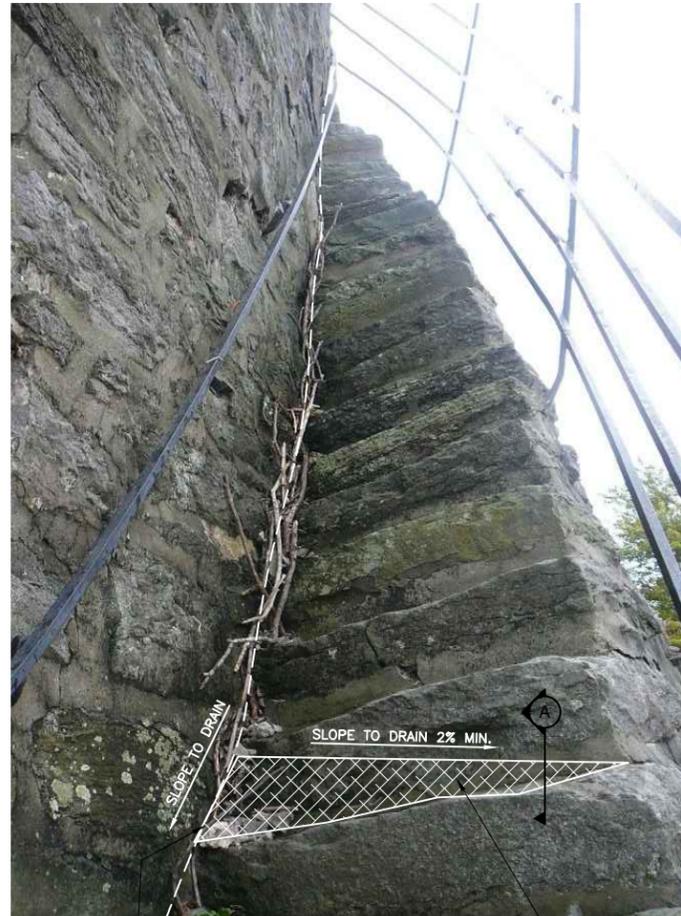
**PHOTO 7**  
**APPROXIMATE REPAIR AREA**  
N.T.S.

INSTALL STONE UNITS TO MINIMIZE CRACK WIDTH AS DIRECTED BY DEPARTMENTAL REPRESENTATIVE. FINISH POINTING SHALL BE SUBSTITUTED WITH SPECIAL MASONRY JOINT FINISH SEALANT TO CREATE EXPANSION JOINT AT CRACK



REPAIR AREA REQUIRING RESET, SUPPLY AND INSTALLATION OF STONE MASONRY, AS DIRECTED BY DEPARTMENTAL REPRESENTATIVE

**PHOTO 8**  
**APPROXIMATE REPAIR AREA**  
N.T.S.



INSTALL SEALANT AT INTERFACE BETWEEN MORTAR CRICKET STAIR MATERIAL AND ADJACENT CAIRN FACE

**PHOTO 9**  
**EXISTING STAIRWAY REPAIRS**  
N.T.S.

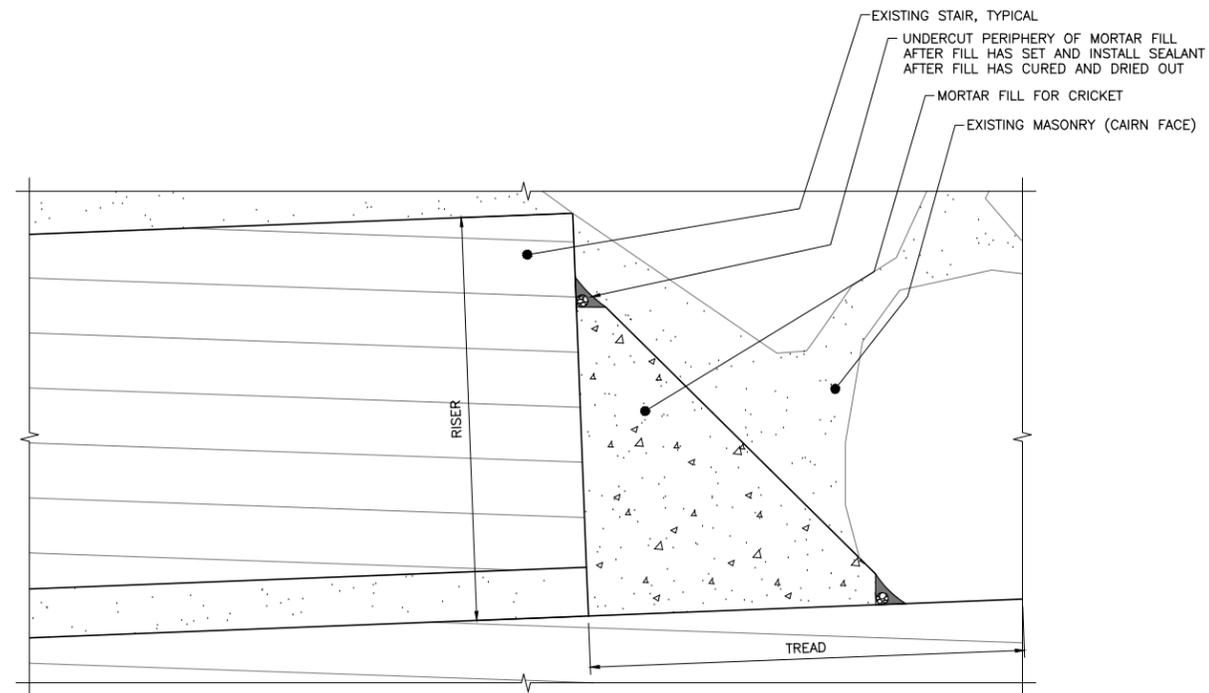
INSTALL MORTAR FILL CRICKETS (c/w CRUSHED STONE) TO CREATE DRAINAGE AWAY FROM STRUCTURE AND ADJACENT TREADS, AS DIRECTED BY DEPARTMENTAL REPRESENTATIVE, REFER TO SECTION 'A', TYPICAL ALL STEPS.

**SCOPE of WORK:**

- INSTALL ALL ACCESS (SCAFFOLDING AND/OR ELEVATED WORK PLATFORMS) AND PROTECTION AS REQUIRED TO COMPLETE WORK. REFER TO DRAWING S2.
- REPOINT 100% OF ALL EXTERIOR JOINTS ON THE SURFACE OF THE CAIRN, UNLESS OTHERWISE INDICATED.
- APPLY SPECIAL MASONRY JOINT FINISH SEALANT AS SHOWN AND AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.
- REPAIR, REPLACE OR INSTALL STONE UNITS AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.
- CLEAN UP AND RESTORE FEATURES, DISTURBED BY THIS WORK, TO ORIGINAL CONDITIONS AND INSTALL LAYER OF TOPSOIL AND SEED OVER GROUND PROTECTION AS SHOWN ON DRAWING S2.
- NO EXCAVATION IS PERMITTED. LIMIT OF WORK AT BASE OF WALL IS TO EXISTING GROUND SURFACE.
- REPAIR STAIRWAY AS SHOWN ON DRAWING S6, AND INSTALL SEALANT AT INTERFACE BETWEEN STAIRS AND CAIRN, AS DIRECTED BY DEPARTMENTAL REPRESENTATIVE.
- REPLACE UPPER MOST CAP AT CANNON BARREL WITH MORTAR FILL AND COVER OVER WITH LEAD FLASHING.
- INSTALL SPECIAL MASONRY JOINT FINISH SEALANT AT ALL LOCATIONS WHERE RAILING IS ANCHORED INTO MASONRY WALL, AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.
- REPAINT RAILING. NOTE EXISTING PAINT CONTAINS LEAD.

**NOTES:**

- REFER TO DRAWING S2 FOR ACCESS AND PROTECTION DETAILS.
- REFER TO DRAWING S3 FOR MISCELLANEOUS DETAILS.
- ALL PHOTOS AND DRAWING DETAILS SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY AND DO NOT GUARANTEE CONDITIONS OR DIMENSIONS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS ON SITE PRIOR TO BIDDING WORK



**A SECTION**  
N.T.S.

2	FEB17	ISSUED FOR TENDER		S.T.R.
1	SEPT16	ISSUED FOR FINAL REVIEW	R.C.J.	S.T.R.
No.	Date	Description	Drawn by Dessine par	Approved Approuve

Revision / Révision	
A	Detail number No. du détail
B	Location dwg. no. No. sur dessin
C	Drawing sheet no. No. du dessin

Client Acceptance / Acceptation du client  
Signature \_\_\_\_\_ Date \_\_\_\_\_  
File No./No. de dossier \_\_\_\_\_



**Canada**



Project title / Titre du projet

**GLENGARRY CAIRN NATIONAL HISTORIC SITE OF CANADA MASONRY REPAIRS**

**KINGSTON ONTARIO**

Drawing title / Titre du dessin

**MASONRY REPAIRS (III)**

Scale / Echelle

NOT TO SCALE

Drawn by/ Dessiné par Date

R.C.J. SEPT 2016

Designed by/ Conçu par Date

S.T.R. SEPT 2016

Checked by/ Vérifié par Date

Approved by / Approuvé par Date

Project No./No. du projet Client No./No. du Client Sheet No./ Feuille No.

784-30023502

Drawing Reference No./Numéro de Référence du Dessin

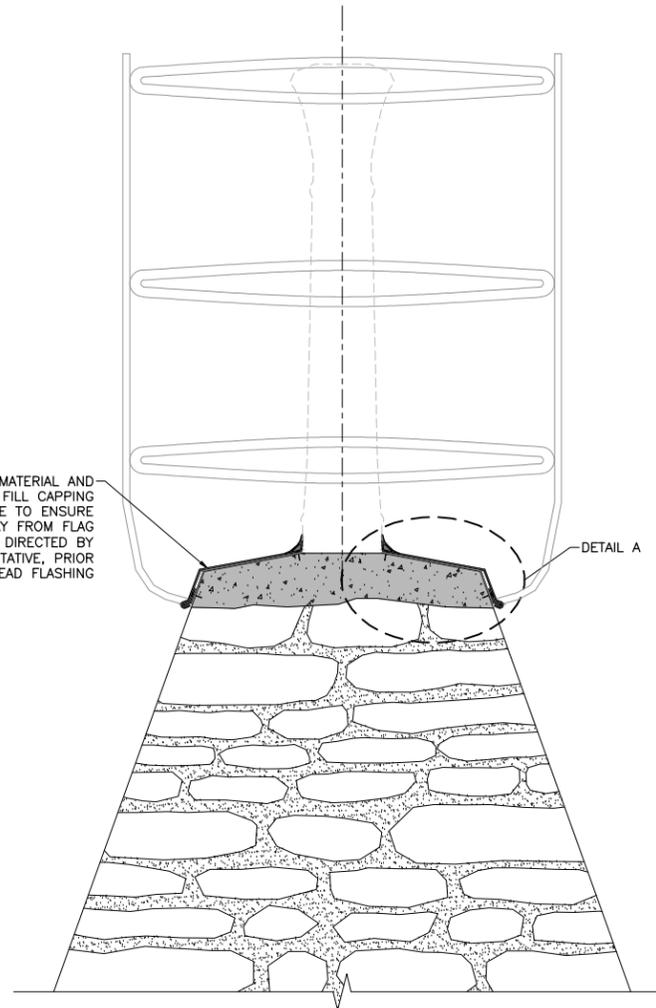
**S6**



**EXISTING CAP CONDITIONS**  
N.T.S.

INSTALL MORTAR FILL TO ENSURE PROPER SLOPE AWAY FROM FLAG POLE/CANNON BASE, PRIOR TO INSTALLATION OF LEAD FLASHING MATERIAL

REMOVE EXISTING CAP MATERIAL AND INSTALL NEW MORTAR FILL CAPPING AND POSITIVELY SLOPE TO ENSURE PROPER DRAINAGE AWAY FROM FLAG POLE/CANNON BASE, AS DIRECTED BY DEPARTMENTAL REPRESENTATIVE, PRIOR TO INSTALLATION OF LEAD FLASHING

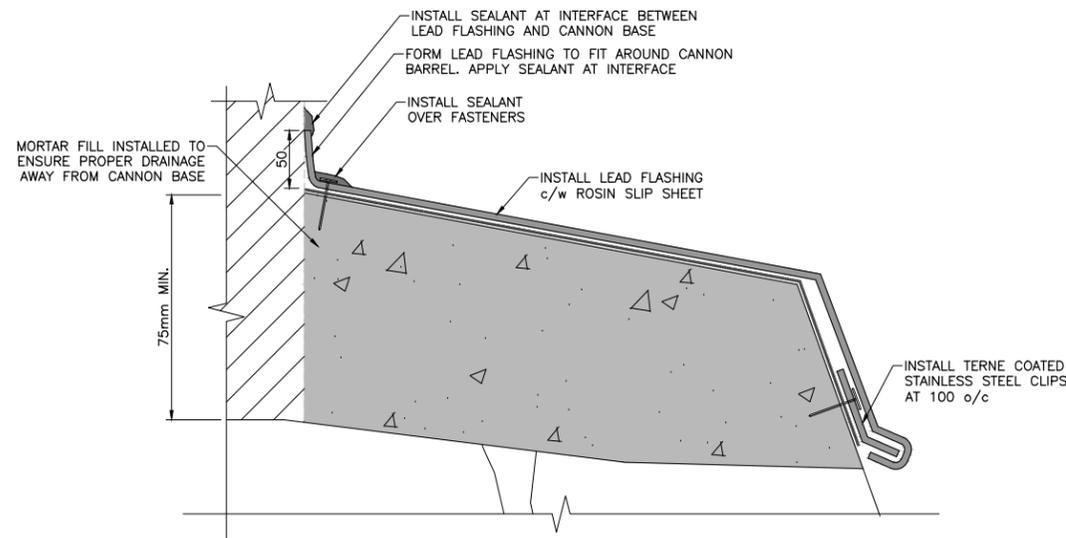


**CAP REPAIR DETAILS**  
1:5



**POST TREATMENT**  
N.T.S.

INSTALL SPECIAL MASONRY JOINT FINISH SEALANT, TYPICAL AT ALL POST BASE LOCATIONS



**DETAIL 'A'**  
1:1

**SCOPE of WORK:**

- INSTALL ALL ACCESS (SCAFFOLDING AND/OR ELEVATED WORK PLATFORMS) AND PROTECTION AS REQUIRED TO COMPLETE WORK. REFER TO DRAWING S2.
- REPOINT 100% OF ALL EXTERIOR JOINTS ON THE SURFACE OF THE CAIRN, UNLESS OTHERWISE INDICATED.
- APPLY SPECIAL MASONRY JOINT FINISH SEALANT AS SHOWN AND AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.
- REPAIR, REPLACE OR INSTALL STONE UNITS AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.
- REPLACE UPPER MOST CAP WITH MORTAR FILL AND COVER OVER WITH LEAD FLASHING.
- INSTALL SPECIAL MASONRY JOINT FINISH SEALANT AT ALL LOCATIONS WHERE RAILING IS ANCHORED INTO MASONRY WALL, AS DIRECTED BY THE DEPARTMENTAL REPRESENTATIVE.
- REPAINT RAILING. NOTE EXISTING PAINT CONTAINS LEAD

**NOTES:**

- REFER TO DRAWING S2 FOR ACCESS AND PROTECTION DETAILS.
- REFER TO DRAWING S3 FOR MISCELLANEOUS DETAILS.
- ALL PHOTOS AND DRAWING DETAILS SHOWN ARE FOR ILLUSTRATIVE PURPOSES ONLY AND DO NOT GUARANTEE CONDITIONS OR DIMENSIONS. CONTRACTOR SHALL VERIFY EXISTING CONDITIONS ON SITE PRIOR TO BIDDING WORK

2	FEB17	ISSUED FOR TENDER		S.T.R.
1	SEPT16	ISSUED FOR FINAL REVIEW	R.C.J.	S.T.R.
No.	Date	Description	Drawn by Dessiné par	Approved Approuvé

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A	A Detail number No. du détail
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Client Acceptance / Acceptation du client  
Signature \_\_\_\_\_ Date \_\_\_\_\_  
File No./No. de dossier \_\_\_\_\_



**Canada**



Project title / Titre du projet

**GLENGARRY CAIRN NATIONAL HISTORIC SITE OF CANADA MASONRY REPAIRS**

**KINGSTON ONTARIO**

Drawing title / Titre du dessin

**CAP REPAIRS AT TOP OF CAIRN**

Scale / Échelle

NOT TO SCALE

Drawn by/ Dessiné par

R.C.J. Date SEPT 2016

Designed by/ Conçu par

S.T.R. Date SEPT 2016

Checked by/ Vérifié par

Date

Approved by / Approuvé par

Date

Project No./No. du projet

784-30023502

Client No./No. du Client

Sheet No./ Feuille No.

Drawing Reference No./Numéro de Référence du Dessin

**S7**