

100% SUBMISSION
2018/03/29



Public Works and
Government Services
Canada

Travaux publics et services
gouvernementaux
Canada

LEAD AND ASSOCIATED ABATEMENT AND
DEBRIS REMOVAL
MICHIPICOTEN ISLAND EAST END SITE
LAKE SUPERIOR, ONTARIO

Canada

Public Works and
Government Services
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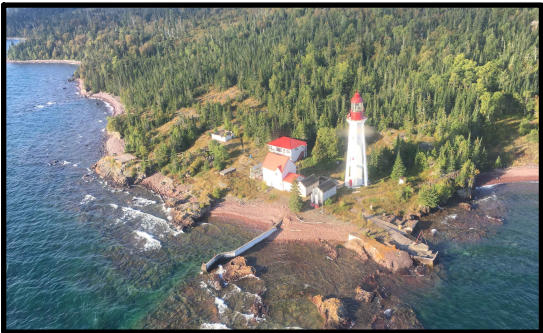
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Real Property
Branch

Direction générale
des biens immobiliers

LIST OF SITE DRAWINGS

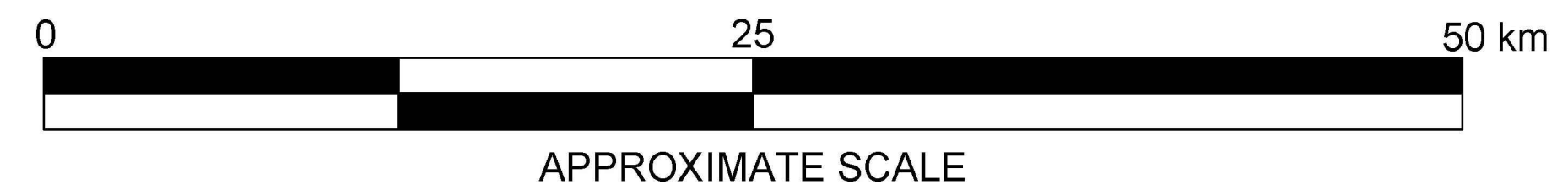
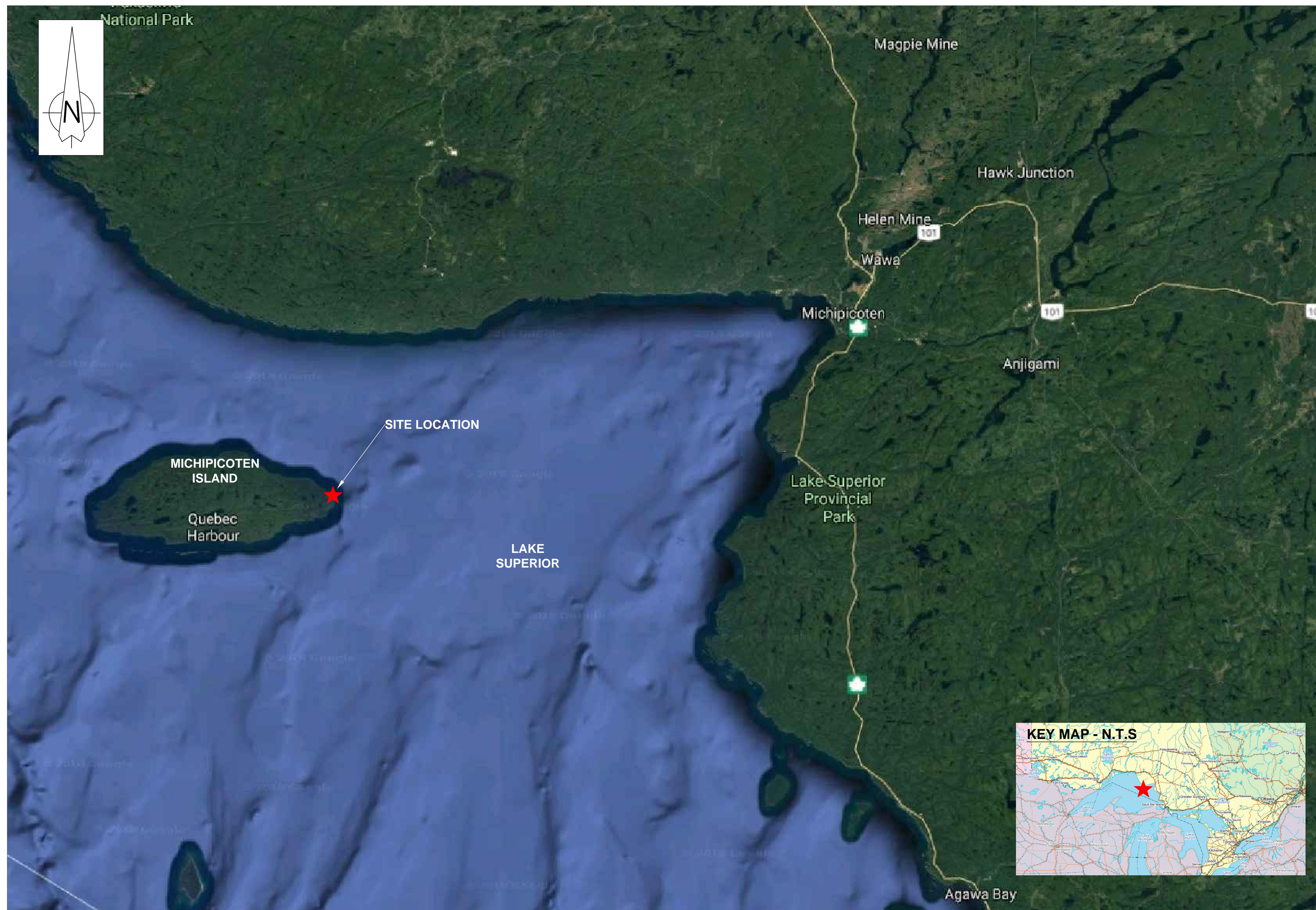
- C-0 COVER PAGE
- C-1 SITE LOCATION PLAN
- C-2 SITE STRUCTURES AND LAYOUT
- C-3 CONCENTRATED DEBRIS REMOVAL AREAS
- C-4 LIVING QUARTERS EXTERIOR ABATEMENT PLAN
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ABATEMENT PLAN
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KEY PLAN

Contractor to verify all dimensions and conditions on site and immediately notify the Departmental Representative of all discrepancies

C	100% SUBMISSION	2018/03/29
B	99% DRAFT SUBMISSION REV B	2018/03/13
A	98% DRAFT SUBMISSION	2018/03/05
Revisions	description	date
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C	B: location drawing no.	B
	C: drawing no.	C
project	project	
LEAD AND ASSOCIATED ASBESTOS ABATEMENT AND DEBRIS REMOVAL MICHIPICOTEN ISLAND EAST END SITE		
drawing	dessin	
COVER PAGE		
Designed By	James Ross	Conçu par
Date	2018/03/05	(yyyy/mm/dd)
Drawn By	James Ross	Dessiné par
Date	2018/03/05	(yyyy/mm/dd)
Reviewed By	Micheline Gervais	Examiné par
Date	2018/03/05	(yyyy/mm/dd)
Approved By	Brandon Harrigan	Approuvé par
Date	2018/03/05	(yyyy/mm/dd)
Tender	Soumission	
Project Manager	Tiffany Wong	Administrateur de projets
Project no.	No. du projet	
	R.090052.020	
Drawing no.	No. du dessin	
	C-0	



Designed By	James Ross	Conçu par
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Project Manager	Tiffany Wong Administrateur de projets	
Project no.	No. du projet	
R.090052.020		
Drawing no.	No. du dessin	
C-1		



REFERENCE:
MINISTRY OF NATURAL RESOURCES AND FORESTRY 2018

1
C-2 SITE STRUCTURES AND LAYOUT

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Contractor to verify all dimensions and conditions on site and
immediately notify the Departmental Representative of all
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C	100% SUBMISSION	2018/03/29
B	99% DRAFT SUBMISSION REV B	2018/03/13
A	99% DRAFT SUBMISSION	2018/02/15

revisions	description	date
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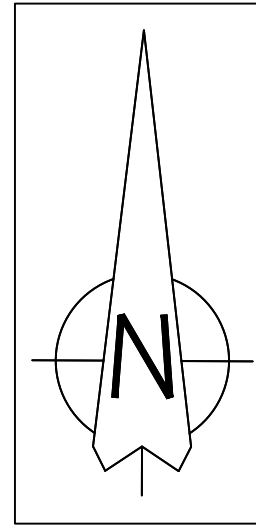
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LEAD AND ASSOCIATED
ASBESTOS ABATEMENT
AND DEBRIS REMOVAL
MICHIPICOTEN ISLAND EAST
END SITE

drawing
dessin
SITE STRUCTURES AND
LAYOUT

Designed By	James Ross	Conçu par
Date	2018/03/05	(yyyy/mm/dd)
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Approved By	Brendan Harrigan	Approuvé par
Date	2018/03/05	(yyyy/mm/dd)
Tender		Soumission

Project Manager
Administrateur de projets
Project no.
No. du projet
R.090052.020

Drawing no.
No. du dessin
C-2



LEGEND

SEASONAL DRAINAGE

LAKE SUPERIOR

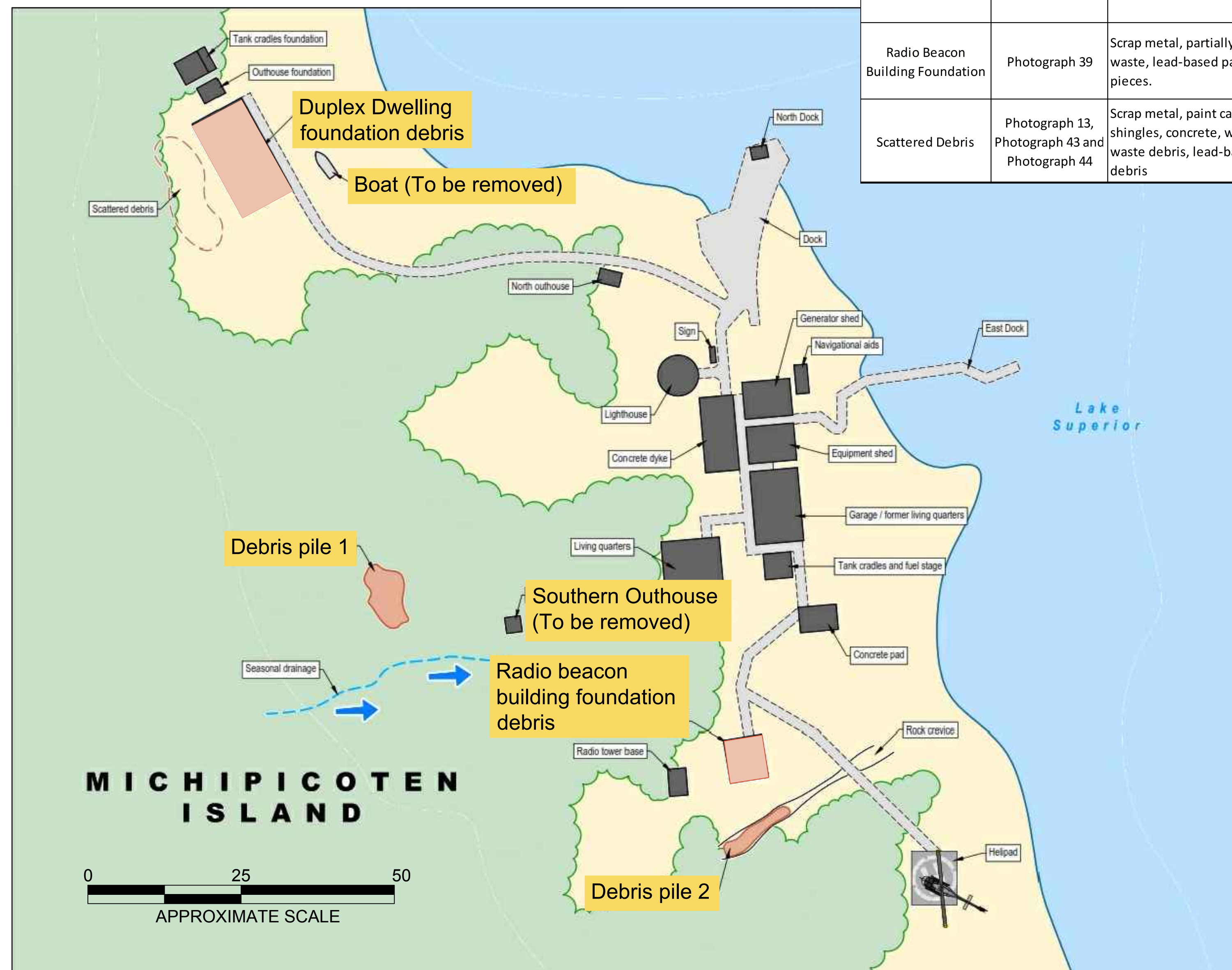
OPEN TERRAIN

WOODLAND

PATHWAYS

STRUCTURES

DEBRIS



Schedule for Debris Removal						
Concentrated Debris Area	Photograph Log Reference	Material Description	Area (m ²)	Depth (m)	Total Volume (in-situ m ³)	Additional Comments
Debris Pile 1	Photograph 40 and Photograph 41	Various scrap metals, fuel cans, lead-based painted wood and metal, asbestos containing materials: transite and shingles.	50	1	50	White, red and green lead-based painted wood, metal, and concrete debris found in debris pile 1 and debris pile 2. Asbestos containing materials include non friable Crysofile in grey coloured transite also painted with lead containing paint. Nails present in wood and transite.
Debris Pile 2	Photograph 42	Scrap metal, paint cans	10	0.5	5	
Duplex Dwelling Foundation	Photograph 35 and Photograph 36	Concrete blocks and concrete pieces with lead-based painted surfaces	50	0.5	25	White lead-based painted surfaces on debris of concrete block foundation walls of the former duplex dwelling. Paint chip debris is mixed with soil and vegetation surrounding the structure. Boat painted with white and orange lead-based paint located southeast of the duplex dwelling foundation is also to be removed as debris.
Radio Beacon Building Foundation	Photograph 39	Scrap metal, partially burnt domestic waste, lead-based painted concrete pieces.	25	1	25	White lead-based painted surfaces on concrete debris. White paint chip debris surrounding the structure, mixed with soil and vegetation.
Scattered Debris	Photograph 13, Photograph 43 and Photograph 44	Scrap metal, paint cans, asphalt shingles, concrete, wood, domestic waste debris, lead-based paint chip debris	NA	NA	NA	Throughout Site. Includes scattered paint chip debris and other materials.

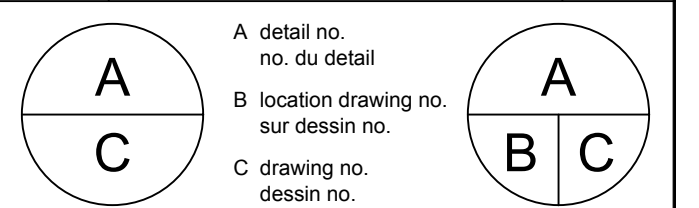
NOTES:

1. BASE DRAWING AND LEAD LEACHATE INFORMATION OUTLINED IN THE SUBJECT TABLE ARE PROVIDED IN THE REFERENCE REPORT, "COMPREHENSIVE DESIGNATED SUBSTANCES AND HAZARDOUS MATERIALS SURVEY, MICHPICOTEN ISLAND, EAST SIDE, DFRP NO. 67652, FWQSG NO R083149-03, FCSI # 67652001AND167650202, NEAR EMBANKMENT ON BLVD. OF LOS ANGELES, WILSON, CALIFORNIA 90711.
2. ADDITIONAL UNCONCENTRATED DEBRIS FOUND SCATTERED ACROSS THE SITE IS TO BE ABATED BY CONTRACTOR AS PART OF THE WORK.
FOLLOWING CONCENTRATED DEBRIS FOR REMOVAL AND SUBSEQUENT INSPECTION/SAMPLING BY DEPARTMENTAL REPRESENTATIVE INSTALL GEOTEXTILE TO STABILIZE AREA AS PER SECTION 31 00 99 AND 31 25 00.



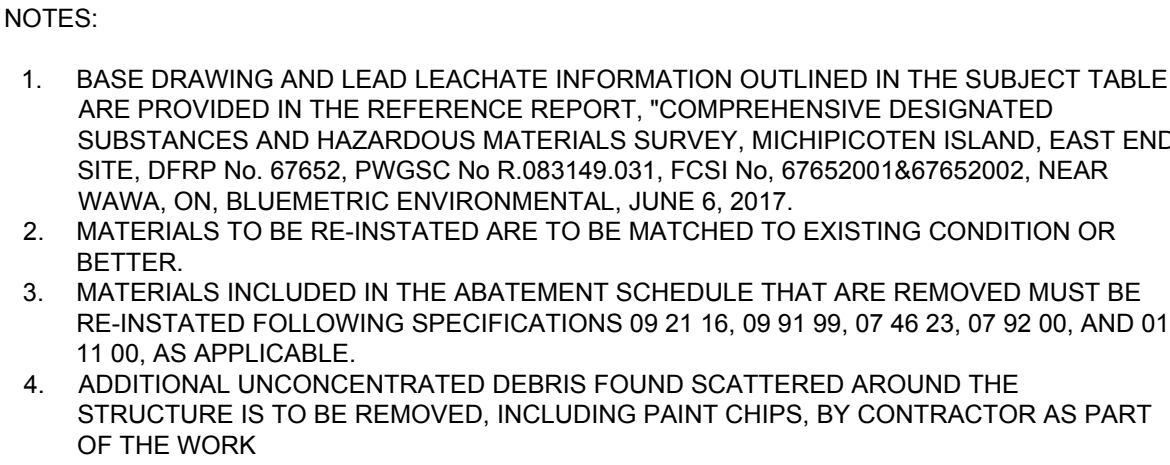
Contractor to verify all dimensions and conditions on site and immediately notify the Departmental Representative of all discrepancies

C	100% SUBMISSION	2018/03/29
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A	99% DRAFT SUBMISSION	2018/02/15
revisions	description	date



project	project
<p>LEAD AND ASSOCIATED ASBESTOS ABATEMENT AND DEBRIS REMOVAL MICHIPICOTEN ISLAND EAST END SITE</p>	

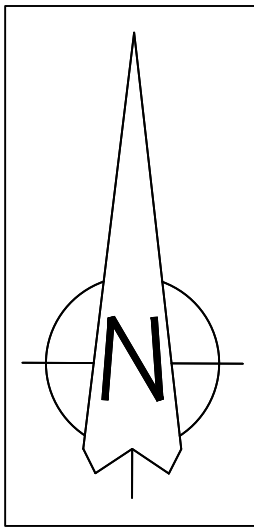
Designed By	James Ross	Conçu par
Date	2018/03/05	(yyyy/mm/dd)
Drawn By	Kris Morin	Dessiné par
Date	2018/03/05	(yyyy/mm/dd)
Reviewed By	Micheline Gervais	Examiné par
Date	2018/03/05	(yyyy/mm/dd)
Approved By	Brendan Harrigan	Approuvé par
Date	2018/03/05	(yyyy/mm/dd)
Tender		Soumission
	Tiffany Wong	
Project Manager	Administrateur de projets	
Project no.		No. du projet
R.090052.020		
Drawing no.		No. du dessin



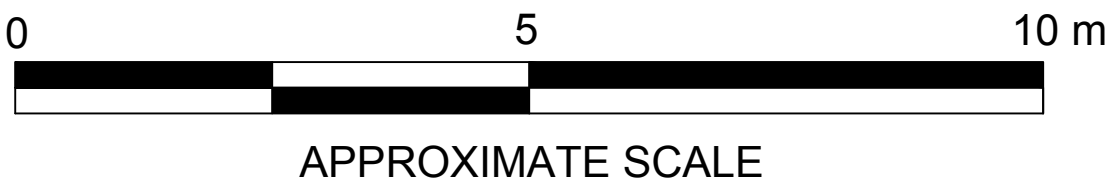
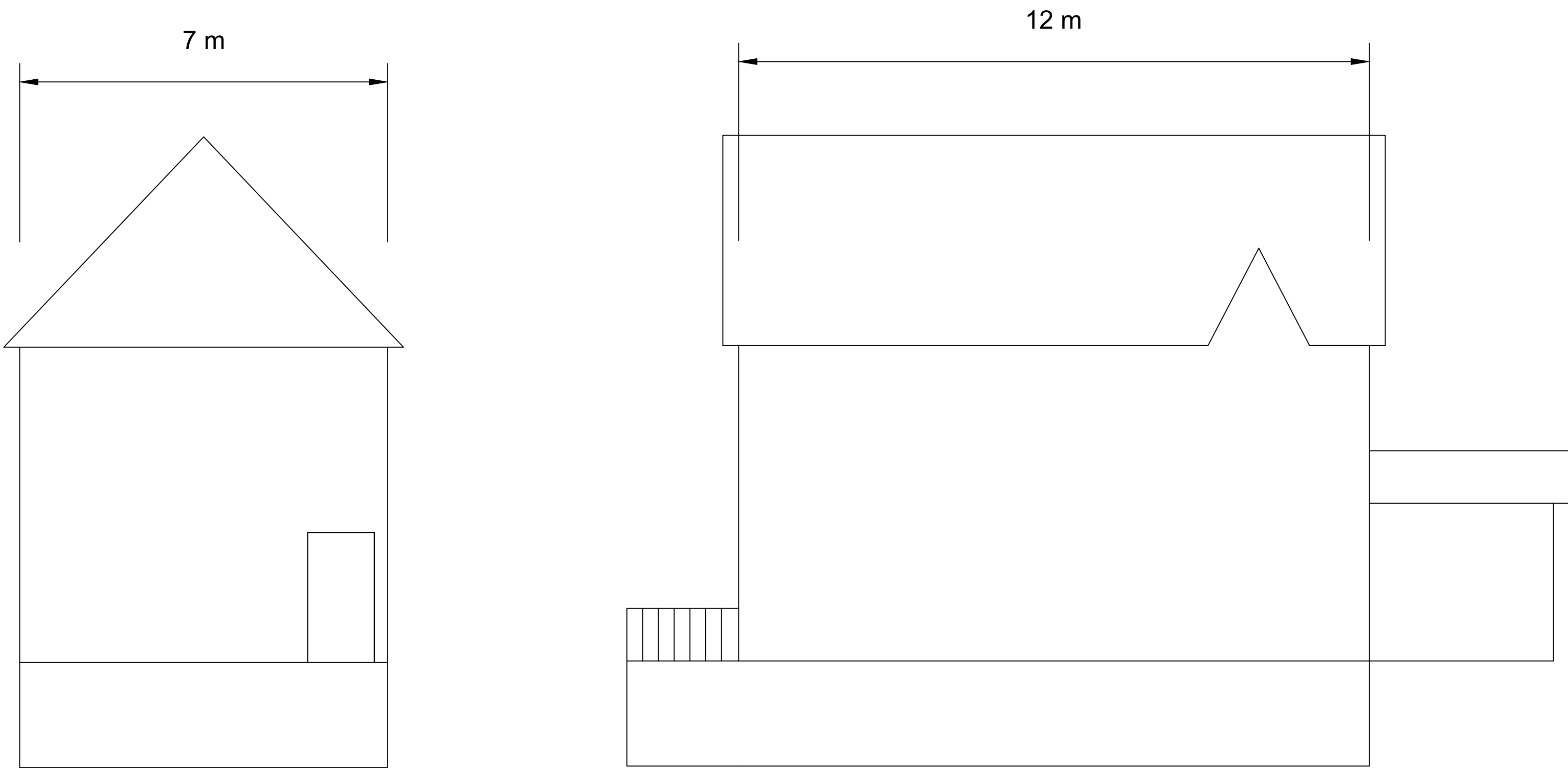
1 LIVING QUARTERS EXTERIOR ABATEMENT PLAN
C-4

A photograph showing the exterior of a white building with a red roof. A concrete walkway runs along the side of the building, bordered by a red metal railing. The building has large windows and a white downspout. The sky is blue with some clouds.

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C	100% SUBMISSION	2018/03/29
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A	99% DRAFT SUBMISSION	2018/02/15
visions	description	date
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project		projet
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drawing		dessin
<h1 style="margin: 0;">LIVING QUARTERS EXTERIOR ABATEMENT PLAN</h1>		
Designed By	James Ross 2018/03/05	Conçu par (yyyy/mm/dd)
Drawn By	James Ross 2018/03/05	Dessiné par (yyyy/mm/dd)
Reviewed By	Micheline Gervais 2018/03/05	Examiné par (yyyy/mm/dd)
Approved By	Brendan Harrigan 2018/03/05	Approuvé par (yyyy/mm/dd)
Sender	Soumission	
Tiffany Wong		
Project Manager	Administrateur de projets	
Project no.	No. du projet	
R.090052.020		
Drawing no.	No. du dessin	
C-4		



GARAGE AND FORMER LIVING QUARTERS EXTERIOR



1 GARAGE AND FORMER LIVING QUARTERS EXTERIOR ABATEMENT PLAN
C-5

Lead-Based Paint Abatement Schedule for Garage/Former Living Quarters Exterior										
Structure	Photograph Log Reference	Material Description	Location	Total Quantity	Substrate	Condition	Lead Leachate Hazardous	Required Abatement Level	Required Reinstatement	Additional Comments
Garage/ Former Living Quarters	Photograph 4 and photograph 21	Red	Roof trim underlying exterior metal flashing	80 m ²	Wood	Poor	Yes	Minimum Precaution Lead or Intermediate Precaution Lead	Reinstate metal flashing	Metal flashing to be removed to abate underlying red-painted wood. Nails present in metal flashing and underlying wood. Irregular textured wood surfaces.
	Photograph 4		Wood trims around protrusions and doors						Re-painting	Nails present in wood trims. Irregular textured wood surfaces.
	Photograph 4	White	Foundation walls	24 m ²	Concrete	Poor	No	Minimum Precaution Lead or Intermediate Precaution Lead	Re-painting	Rough concrete surface.
	Photograph 5 and photograph 22	Grey, red	Exterior door and concrete stairs	15 m ²	Wood and Concrete	Good to Poor	Yes	Minimum Precaution Lead or Intermediate Precaution Lead	Re-painting	Grey paint on wooden exterior doors and trim. Concrete stairs on west side with grey and red lead-based paint. Paint chip debris on concrete stairs. Nails are present on wood doors and trims.

Asbestos Containing Materials Abatement Schedule for Garage/Former Living Quarters Exterior											
Structure	Photograph Log Reference	Specific Location	Asbestos Containing Material	Colour	Friability	% Present	Asbestos Type	Total Quantity	Required Abatement Level	Required Reinstatement	Additional Comments
Garage/Former Living Quarters	-	Exterior lower level windows	Caulking	White	Non-Friable	1%	Chrysotile	2 m	Minimum Precaution Asbestos	Joint Sealant	Lower level windows covered by plywood sheets.
	Photograph 5	Exterior protrusions and doors	Caulking	Pink	Non-Friable	0.59%	Chrysotile	4 m			Caulking found on and adjacent painted surfaces.

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2. MATERIALS TO BE RE-INSTATED ARE TO BE MATCHED TO EXISTING CONDITION OR BETTER.
3. MATERIALS INCLUDED IN THE ABATEMENT SCHEDULE THAT ARE REMOVED MUST BE RE-INSTATED FOLLOWING SPECIFICATIONS 09 21 16, 09 91 99, 07 46 23, 07 92 00, AND 01 11 00, AS APPLICABLE
4. ADDITIONAL UNCONCENTRATED DEBRIS FOUND SCATTERED AROUND THE STRUCTURE, INCLUDING PAINT CHIPS, IS TO BE REMOVED BY CONTRACTOR AS PART OF THE WORK



Public Works and Government Services Canada

Real Property Branch

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Direction générale des biens immobiliers

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B	99% DRAFT SUBMISSION REV B	2018/03/13
A	99% DRAFT SUBMISSION	2018/02/15
revisions	description	date

A

C

A detail no.
no. du detail
B location drawing no.
sur dessin no.
C drawing no.
dessin no.

A

B

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project

project

LEAD AND ASSOCIATED ASBESTOS ABATEMENT AND DEBRIS REMOVAL MICHIPICOTEN ISLAND EAST END SITE

drawing

dessin

GARAGE AND FORMER LIVING QUARTERS EXTERIOR ABATEMENT PLAN

Designed By

James Ross

Conçu par

Date

2018/03/05

(yyyy/mm/dd)

Drawn By

James Ross

Dessiné par

Date

2018/03/05

(yyyy/mm/dd)

Reviewed By

Micheline Cervais

Examiné par

Date

2018/03/05

(yyyy/mm/dd)

Approved By

Brendan Harrigan

Approuvé par

Date

2018/03/05

(yyyy/mm/dd)

Tender

Tiffany Wong

Soumission

Project Manager

Administrateur de projets

Project no.

No. du projet

R.090052.020

Drawing no.

No. du dessin

C-5



NOTES:

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4. ADDITIONAL UNCONCENTRATED DEBRIS FOUND SCATTERED AROUND THE STRUCTURE, INCLUDING PAINT CHIPS, IS TO BE REMOVED BY CONTRACTOR AS PART OF THE WORK.
5. CONTRACTOR TO INSTALL SCAFFOLDING IN ACCORDANCE WITH SECTION 01 54 23, UPON ERECTION OF SCAFFOLDING, CONTRACTOR TO ALLOW DEPARTMENTAL REPRESENTATIVE ACCESS TO COMPLETE AN ASSESSMENT OF THE LIGHTHOUSE PARGING.

Asbestos Containing Materials Abatement Schedule for Lighthouse Exterior										
Structure	Photograph Log Reference	Specific Location	Asbestos Containing Material	Colour	Friability	% Present	Asbestos	Total Quantity	Required Abatement	Required Reinstatement
Lighthouse	Photograph 26	Exterior window and door	Caulking	Grey	Non-friable	0.5%	Chrysotile	6m	Minimum Precaution Asbestos	Joint Sealant



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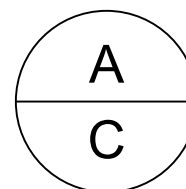
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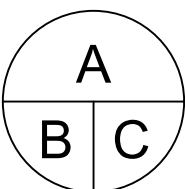
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revisions	description	date



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no. du detail

B location drawing no.
sur dessin no.

C drawing no.
dessin no.



project

projet

LEAD AND ASSOCIATED
ASBESTOS ABATEMENT
AND DEBRIS REMOVAL
MICHIPICOTEN ISLAND EAST
END SITE

drawing

dessin

LIGHTHOUSE EXTERIOR ABATEMENT PLAN

Designed By	James Ross	Conçu par
Date	2018/03/05	(yyyy/mm/dd)
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Tender		Soumission

Project Manager Tiffany Wong
Administrateur de projets

R.090052.020

Drawing no.	No. du dessin
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C-6

