

100% SUBMISSION

2018/03/29



Public Works and
Government Services
Canada

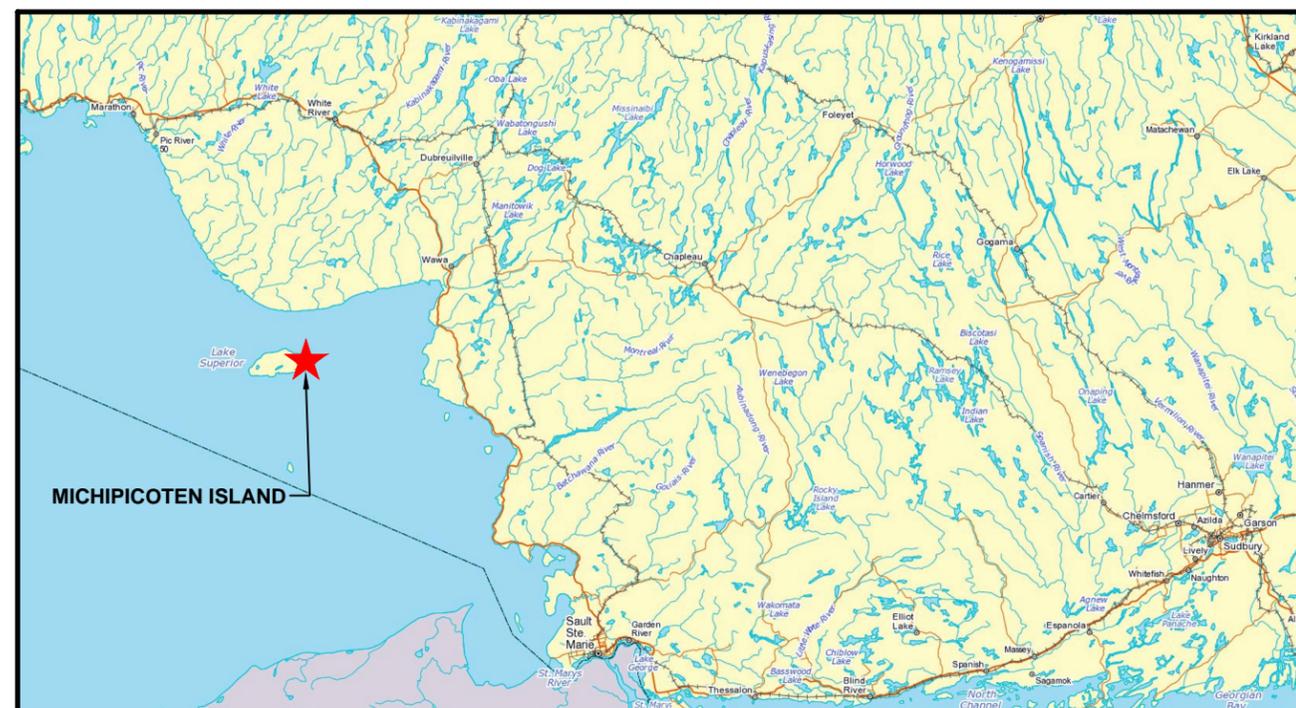
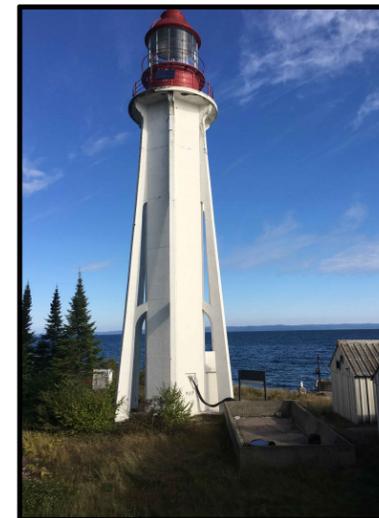
Travaux publics et services
gouvernementaux
Canada

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



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
- C-5 GARAGE/FORMER LIVING QUARTERS EXTERIOR ABATEMENT PLAN
- C-6 LIGHTHOUSE EXTERIOR ABATEMENT PLAN
- C-7 MISCELLANEOUS STRUCTURES ABATEMENT PLAN



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	95% DRAFT SUBMISSION REV B	2018/03/13
A	90% DRAFT SUBMISSION	2018/02/15

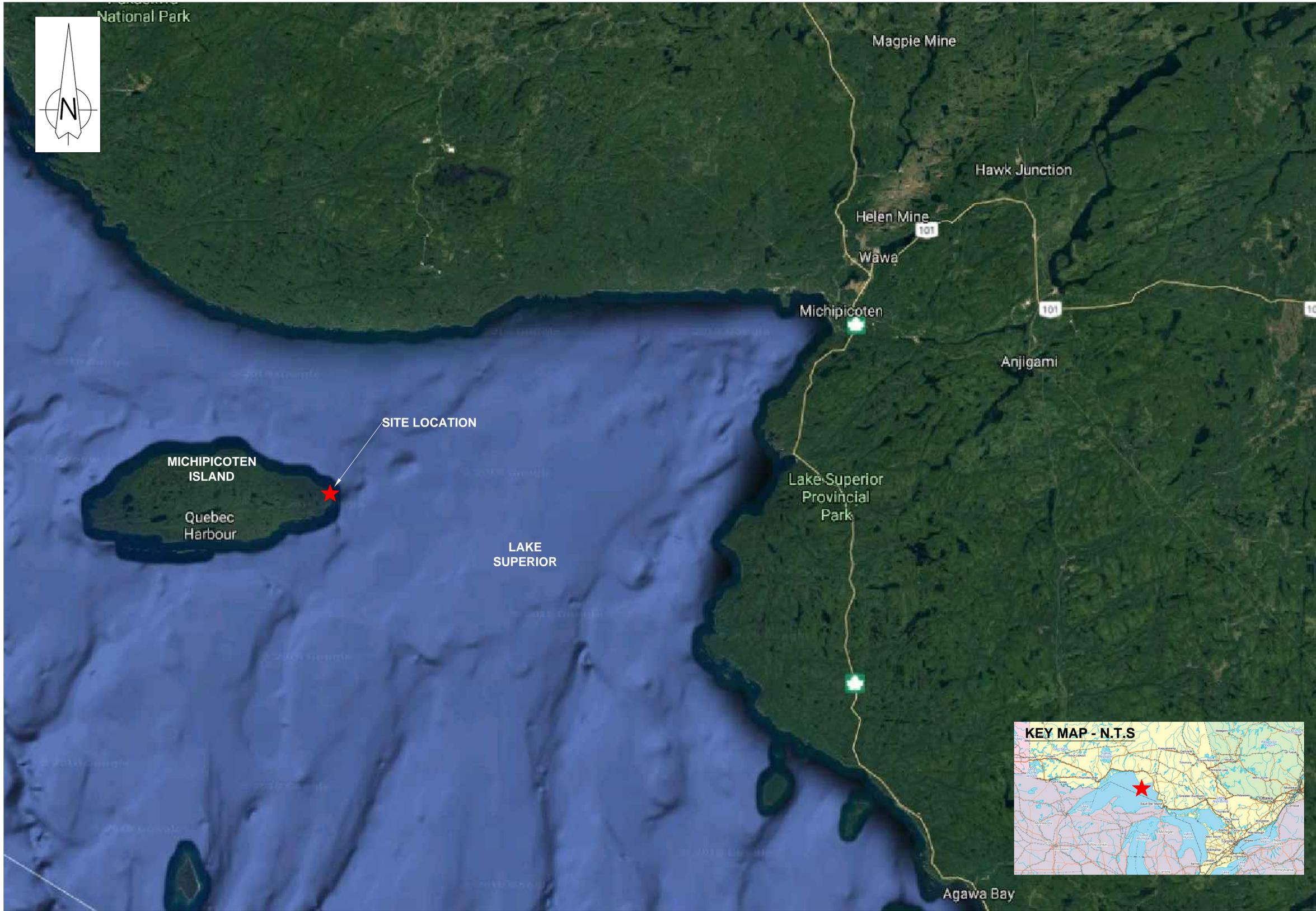
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A	A: detail no. / no. du détail	
B	B: location drawing no. / sur dessin no.	
C	C: drawing no. / dessin no.	

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

drawing: COVER PAGE

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

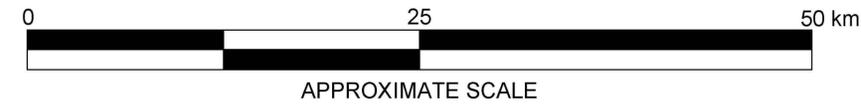
Drawing no. C-0 No. du dessin



LEGEND:
 ★ SITE LOCATION MARKER

REFERENCE:
 GOOGLE MAPS 2018 .

1
 C-1 SITE LOCATION PLAN

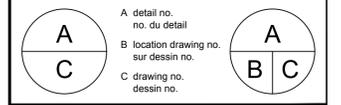


Canada

Public Works and Government Services Canada
 Travaux publics et Services gouvernementaux Canada
 Real Property Branch Direction générale des biens immobiliers

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

revisions	description	date
C	100% SUBMISSION	2018/03/28
B	99 % DRAFT SUBMISSION REV B	2018/03/05
A	99% DRAFT SUBMISSION	2018/02/15



project projet
HAZARDOUS MATERIALS ABATEMENT AND DEBRIS REMOVAL MICHIPICOTEN ISLAND EAST END SITE

drawing dessin
SITE LOCATION 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 Soumission
 Project Manager Tiffany Wong Administrateur de projets

Project no. No. du projet
R.090052.020
 Drawing no. No. du dessin
C-1



LAKE SUPERIOR

MICHIPICOTEN ISLAND

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

revisions	description	date
C	100% SUBMISSION	2018/03/28
B	99% DRAFT SUBMISSION REV B	2018/03/13
A	99% DRAFT SUBMISSION	2018/02/15

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

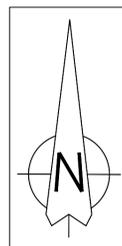
project / projet
LEAD AND ASSOCIATED ASBESTOS ABATEMENT AND DEBRIS REMOVAL MICHIPICOTEN ISLAND EAST END SITE

drawing / dessin
SITE STRUCTURES AND LAYOUT

Designed By / Conçu par	James Ross	2018/03/05
Date / (yyyy/mm/dd)		
Drawn By / Dessiné par	James Ross	2018/03/05
Date / (yyyy/mm/dd)		
Reviewed By / Examiné par	Micheline Cervais	2018/03/05
Date / (yyyy/mm/dd)		
Approved By / Approuvé par	Brendan Harrigan	2018/03/05
Date / (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
C-2

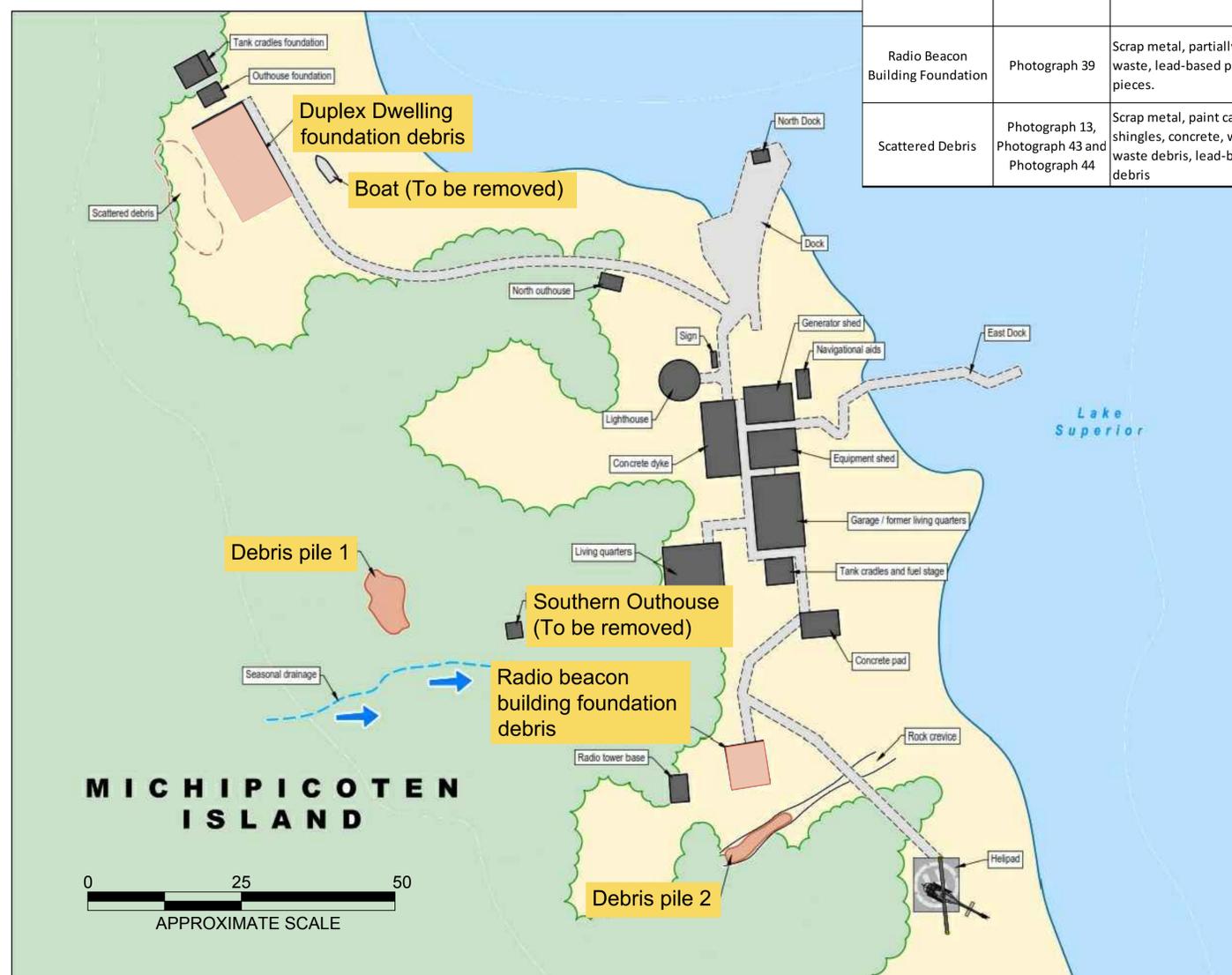
REFERENCE: MINISTRY OF NATURAL RESOURCES AND FORESTRY 2018



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.
Debris Pile 2	Photograph 42	Scrap metal, paint cans	10	0.5	5	Asbestos containing materials include non-friable Crysotile in grey coloured transite, also painted with lead containing paint. Nails present in wood and transite.
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:

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- ADDITIONAL UNCONCENTRATED DEBRIS FOUND SCATTERED ACROSS THE SITE IS TO BE ABATED BY CONTRACTOR AS PART OF THE WORK.
- FOLLOWING CONCENTRATED DEBRIS PILE REMOVALS 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

revisions	description	date
C	100% SUBMISSION	2018/03/28
B	99% DRAFT SUBMISSION REV B	2018/03/13
A	99% DRAFT SUBMISSION	2018/02/15

A C	A detail no. du détail B location drawing no. sur dessin no. C drawing no. dessin no.	A B C
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project / projet
LEAD AND ASSOCIATED ASBESTOS ABATEMENT AND DEBRIS REMOVAL MICHIPICOTEN ISLAND EAST END SITE

drawing / dessin
CONCENTRATED DEBRIS REMOVAL AREAS

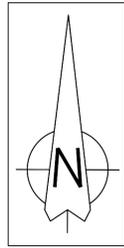
Designed By	James Ross	Conçu par
Date	2018/03/05	(yyyy/mm/dd)
Drawn By	Kris Morin	Dessiné par
Date	2018/03/05	(yyyy/mm/dd)
Reviewed By	Micheline Cervais	Examiné par
Date	2018/03/05	(yyyy/mm/dd)
Approved By	Brendan Harrigan	Approuvé par
Date	2018/03/05	(yyyy/mm/dd)
Tender		Soumission

Project Manager / Administrateur de projets
Tiffany Wong

Project no. / No. du projet
R.090052.020

Drawing no. / No. du dessin
C-3

1
C-3 **CONCENTRATED DEBRIS REMOVAL AREAS**



LIVING QUARTERS EXTERIOR



APPROXIMATE SCALE

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, MICHIPICOTEN ISLAND, EAST END SITE, DFRP No. 67652, PWGSC No R.083149.031, FCSI No. 67652001&67652002, NEAR WAWA, ON, BLUEMETRIC ENVIRONMENTAL, JUNE 6, 2017.
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 IS TO BE REMOVED, INCLUDING PAINT CHIPS, BY CONTRACTOR AS PART OF THE WORK

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

1 LIVING QUARTERS EXTERIOR ABATEMENT PLAN
C-4

Lead-Based Paint Abatement Schedule for Living Quarters Building Exterior										
Structure	Photograph Log Reference	Material Description	Location	Total Quantity	Substrate	Condition	Lead Leachate Hazardous	Required Abatement Level	Required Reinstatement	Additional Comments
Living Quarters	Photograph 6, photograph 10, and photograph 11	Red	Railing and wooden stairs	140 m ²	Metal and wood	Poor	No	Minimum Precaution Lead or Intermediate Precaution Lead	Re-painting	Irregular surface on wood stairs and associated wood and metal rails and Tin Roof. Nails present on rails, roof and stairs. Same Paint also present on exterior of Former living quarter. Red paint debris located on grass and bedrock surrounding the building.
	Photograph 9	White	Transite siding, concrete	195 m ²	Asbestos transite	Good	Yes	Minimum Precaution Lead or Intermediate Precaution Lead and Minimum Precaution Asbestos	Siding, joint sealant, re-painting	Paint applied on asbestos Transite. Nails present on Transite siding. White paint debris found on grass and bedrock surrounding the building.
	Photograph 13, and photograph 14	White on red, white	Window and door trim, soffit, fascia, eaves	11 m ²	Wood, metal, PVC	Good	Yes	Minimum Precaution Lead or Intermediate Precaution Lead	Joint sealant, re-painting	Irregular surfaces. Asbestos containing white caulking present. Nails present in wood. If removed, metal window and door trims and pvc eaves are to be reinstated or replaced.
	Photograph 16	Red	Debris	40 m ²	Soil and bedrock	Poor	No	Minimum Precaution Lead or Intermediate Precaution Lead	None	Red paint chip debris located on grass and bedrock surrounding the building. Also resent at base of the Former Living Quarter Building in debris from near concrete steps.

Asbestos Containing Materials Abatement Schedule for Living Quarters Building Exterior											
Structure	Photograph Log Reference	Specific Location	Asbestos Containing Material	Colour	Friability	% Present	Asbestos Type	Total Quantity	Required Abatement Level	Required Reinstatement	Additional Comments
Living Quarters	Photograph 12 and photograph 14	Exterior window and doors	Caulking	White	Non-friable	1%	Chrysotile	8 m	Minimum Precaution Asbestos and Minimum Precaution Lead	Joint Sealant	Caulking painted white
	Photograph 9	Exterior upper Walls	Transite siding	White	Non-friable	30%	Chrysotile	123 m ²	Minimum Precaution Asbestos and Minimum Precaution Lead	Siding	Lead Containing Surfaces. Nails present on transite siding
	Photograph 10	Exterior wall and underside of patio	Tar Paper	Black	Non-friable	0.79%	Chrysotile	235 m ²	Minimum Precaution Asbestos		Located under transite siding on walls and underside of patio.
	Photograph 13	Debris (behind living quarters)	Roofing Materials - Shingles	Red	Non-friable	1.35%	Chrysotile	1 m ²	Minimum Precaution Asbestos	None	Debris of shingles found south of the Living Quarters



revisions	description	date
C	100% SUBMISSION	2018/03/28
B	99% DRAFT SUBMISSION REV B	2018/03/13
A	99% DRAFT SUBMISSION	2018/02/15

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

project projet

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

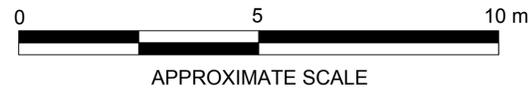
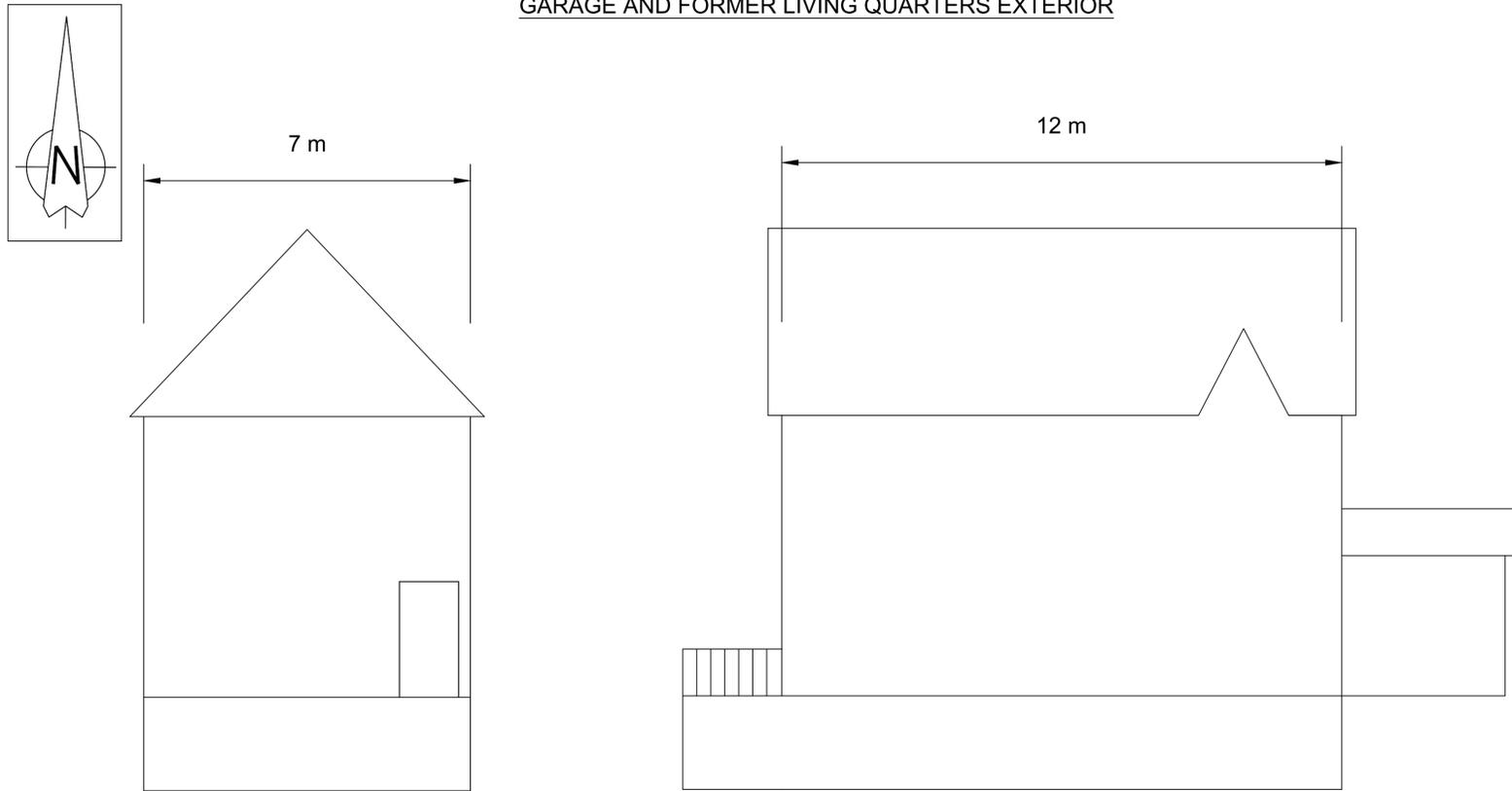
drawing dessin

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 Gervais	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-4

GARAGE AND FORMER LIVING QUARTERS EXTERIOR



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, MICHIPICOTEN ISLAND, EAST END SITE, DFRP No. 67652, PWGSC No R.083149.031, FCSI No. 67652001&67652002, NEAR WAWA, ON, BLUEMETRIC ENVIRONMENTAL, JUNE 6, 2017.
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



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

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.

revisions	description	date
C	100% SUBMISSION	2018/03/28
B	99% DRAFT SUBMISSION REV B	2018/03/13
A	99% DRAFT SUBMISSION	2018/02/15

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

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

drawing dessin
GARAGE AND FORMER LIVING QUARTERS EXTERIOR ABATEMENT PLAN

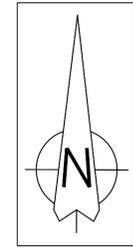
Designed By James Ross Conçu par
Date 2018/03/05 (yyyy/mm/dd)
Drawn By James Ross Dessiné par
Date 2018/03/05 (yyyy/mm/dd)
Reviewed By Micheline Cervais Examiné par
Date 2018/03/05 (yyyy/mm/dd)
Approved By Brendan Harrigan Approuvé par
Date 2018/03/05 (yyyy/mm/dd)
Tender Soumission

Project Manager Tiffany Wong Administrateur de projets
Project no. No. du projet

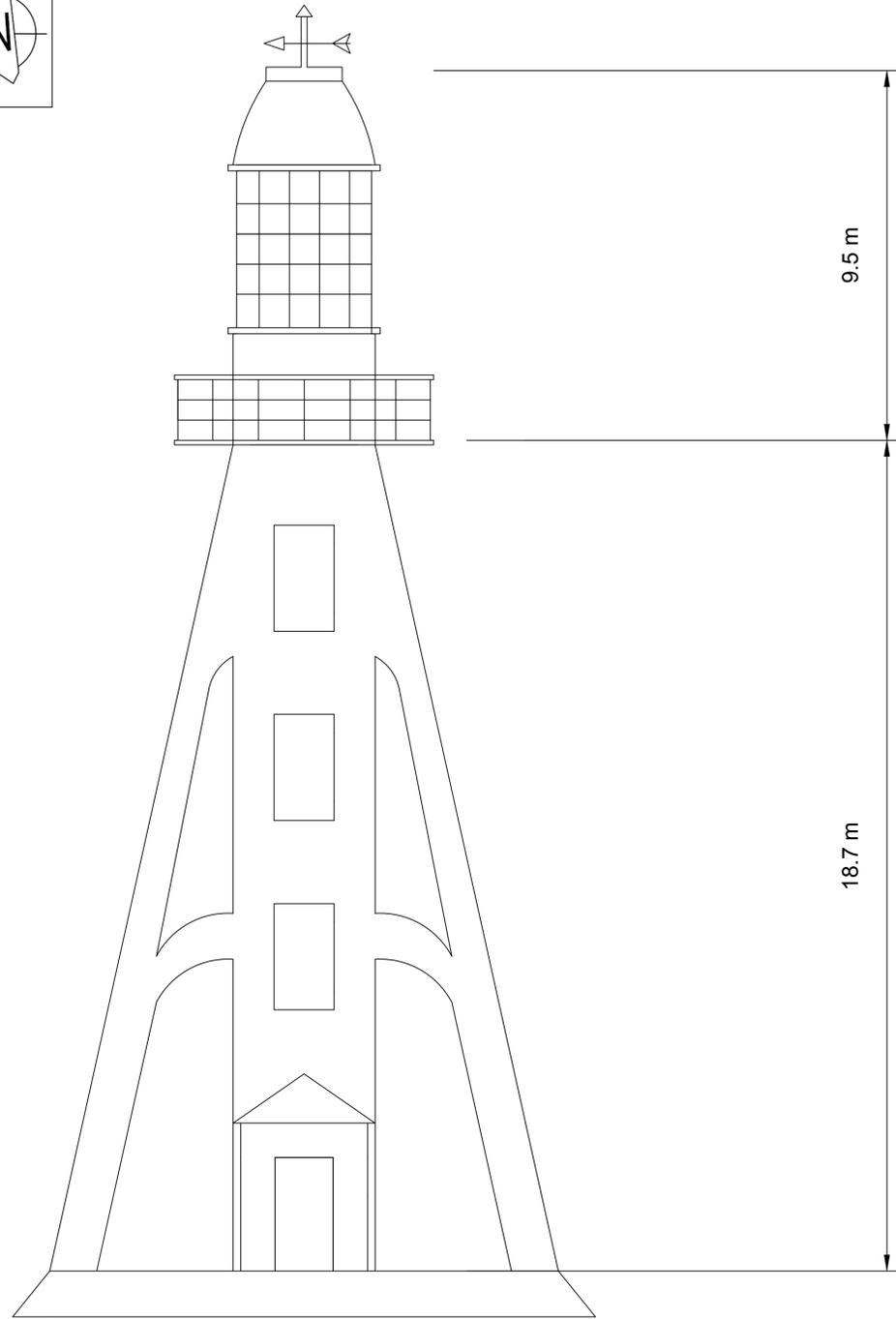
R.090052.020

Drawing no. No. du dessin

C-5



LIGHTHOUSE - EXTERIOR



APPROXIMATE SCALE

1 Lighthouse Exterior Abatement Plan
C-6

NOTES:

- BASE DRAWING AND LEAD LEACHATE INFORMATION OUTLINED IN THE SUBJECT TABLE ARE PROVIDED IN THE REFERENCE REPORT, "COMPREHENSIVE DESIGNATED SUBSTANCES AND HAZARDOUS MATERIALS SURVEY, MICHIPICOTEN ISLAND, EAST END SITE, DFRP No. 67652, PWGSC No R.083149.031, FCSI No. 67652001&67652002, NEAR WAWA, ON, BLUEMETRIC ENVIRONMENTAL, JUNE 6 2017.
- MATERIALS TO BE RE-INSTATED ARE TO BE MATCHED TO EXISTING CONDITION OR BETTER.
- 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.
- ADDITIONAL UNCONCENTRATED DEBRIS FOUND SCATTERED AROUND THE STRUCTURE, INCLUDING PAINT CHIPS, IS TO BE REMOVED BY CONTRACTOR AS PART OF THE WORK.
- 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 PRANGING

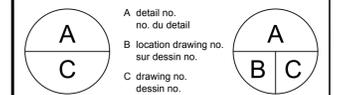
Lead-Based Paint Abatement Schedule for Lighthouse Exterior										
Structure	Photograph Log Reference	Material Description	Location	Total Quantity	Substrate	Condition	Lead Leachate Hazardous	Required Abatement Level	Required Reinstatement	Additional Comments
Lighthouse	Photograph 25 and Photograph 26	White	Exterior wall and sign base	170 m ²	Plaster and concrete	Poor	No	Minimum Precaution Lead or Intermediate Precaution Lead	Re-painting	White paint to be removed behind window /door trims. Window and door trims to be removed to properly abate concealed paint behind. Window and door trims are to be reinstated or replaced. Paint applied on irregular rough exterior plaster skim coat (parging).
	Photograph 26	Red/orange	Doors and window trim	3.2 m ²	Metal and wood	Poor	Yes		Re-painting	Paint applied on irregular textured surfaces. Nails present on wood trims. Paint chip debris found on ground surrounding the lighthouse.
	Photograph 25	Red/orange	Exterior parapet railing, exterior light room, cupola	40.5m ²	Metal	Poor	Yes	Re-painting	Paint applied on irregular textured wood surfaces. Nails present on wood surfaces.	
	Photograph 27	White	Debris	60 m ²	Soil and Bedrock	Poor	No	None	Paint chip debris and painted parging debris found on ground surrounding Lighthouse.	

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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C	100% SUBMISSION	2019/03/28
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A	99% DRAFT SUBMISSION	2018/02/15



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)
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	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-6

NOTES:

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- ADDITIONAL UNCONCENTRATED DEBRIS FOUND SCATTERED AROUND STRUCTURES, INCLUDING PAINT CHIPS, IS TO BE REMOVED BY CONTRACTOR AS PART OF THE WORK.
- NOT ALL FEATURES ARE REPRESENTED ON THIS FIGURE. REFER TO ATTACHMENT #2 FOR ADDITIONAL PHOTOS

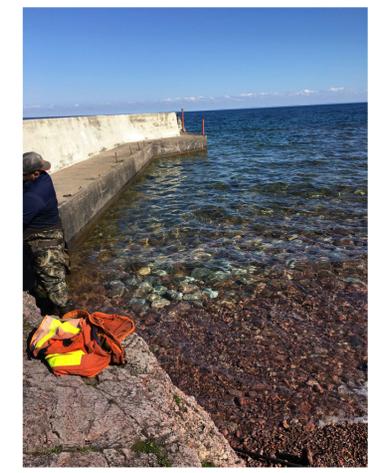
Lead-Based Paint Abatement Schedule for Miscellaneous Structures										
Structure	Photograph Log Reference	Material Description	Total Quantity	Location	Substrate	Condition	Lead Leachate Hazardous	Required Abatement Level	Required Reinstatement	Additional Comments
Multiple Structures: Radio Tower Base	Photograph 20	White	100 m ²	Various exterior surfaces	Concrete/ Metal	Poor	No	Minimum Precaution Lead or Intermediate Precaution Lead	None	In general all concrete surfaces are irregular and rough.
Foundation of Former Duplex Dwelling	Photograph 35								None	
Helipad	Photograph 29								None	
North Dock	Photograph 8								None	
East Dock	Photograph 7								None	
Rock Pillars	Photograph 32								None	
Navigational Aids	Photograph 30								Re-painting	
Flag Pole Base	-								Re-painting	
Lighthouse Sign Base	Photograph 24								Re-painting	
Tank Cradles (2 locations)	Photograph 45								None	
Concrete Pad south of Garage/Former Living Quarters	-								None	
Outhouse Foundation near Duplex Dwelling Foundation	Photograph 37								None	
Multiple Structures: Navigational Aids	Photograph 30	Red	86 m ²	Debris	Soil and Bedrock	Poor	Yes	Minimum Precaution Lead or Intermediate Precaution Lead	None	Red paint chip debris surrounds the corrugated metal base of the navigation aid. Painted wood debris surrounds northern outhouse and southern outhouse.
Northern Outhouse and Southern Outhouse	Photograph 31 and photograph 37									
Radio Beacon Building Foundation	Photograph 19	White	30 m ²	Exterior surfaces, debris	Concrete, Soil and Bedrock	Poor	No	Minimum Precaution Lead or Intermediate Precaution Lead	None	White painted surfaces on remaining foundation structure. White paint chip debris surrounding the structure, mixed with soil and vegetation.
Rock Pillars	Photograph 32	White	10 m ²	Debris	Soil and Bedrock	Poor	No	Minimum Precaution Lead or Intermediate Precaution Lead	None	Two rock pillars located north of lighthouse. Paint chip debris surrounding structure.
Fuel Stage	Photograph 4	Silver / White	5 m ²	Exterior surfaces	Metal/concrete	Good	Yes	Minimum Precaution Lead or Intermediate	Re-painting metal surfaces	Metal surfaces are painted silver; concrete surfaces are painted white. Rough surfaces.
Multiple Structures: Helipad	Photograph 29	Red	15 m ²	Various exterior surfaces	Metal, Wood and Concrete	Poor	Yes	Minimum Precaution Lead or Intermediate Precaution Lead	None	Nails are present in painted wood surfaces and are found to be irregular. Concrete painted surfaces are rough.
Walkway Railings	Photograph 32 and photograph 33								Re-painting metal and wood surfaces	
Navigational Aids	Photograph 30								Re-painting	
Northern Outhouse	Photograph 31								Re-painting	
Dock Hoist	Photograph 8	Black on Orange	7 m ²	Dock hoist	Metal	Poor	Yes	Minimum Precaution Lead or Intermediate Precaution Lead	Re-painting	Peeling paint, smooth surface.
		Black on Red	2 m ²	Debris	Concrete	Poor	Yes	Minimum Precaution Lead or Intermediate Precaution Lead	None	Paint chip debris noted on base of hoist.
Northern Outhouse	Photograph 31	White	6 m ²	Exterior surfaces	Wood	Poor	No	Minimum Precaution Lead or Intermediate Precaution Lead	Re-painting	Exterior and interior wood walls. Wood is irregular and rough. Nails are present in wood.
		White	4 m ²	Debris	Soil and Bedrock	Poor	No	Minimum Precaution Lead or Intermediate Precaution Lead	None	Paint chip debris is located surrounding the structure, extending 1 to 1.2 meters.

1 MISCELLANEOUS STRUCTURES ABATEMENT PLAN C-7

EAST DOCK



BOAT



NORTHERN WALKWAY



LIGHTHOUSE SIGN BASE



NORTHERN OUTHOUSE



RADIO BEACON BUILDING FOUNDATION



TANK CRADLES



NAVIGATIONAL AIDS



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

revisions	description	date
C	100% SUBMISSION	2018/03/28
B	99% DRAFT SUBMISSION REV B	2018/03/13
A	99% DRAFT SUBMISSION	2018/02/15

A detail 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
MISCELLANEOUS STRUCTURES ABATEMENT PLAN

Designed By	James Ross	Conçu par	James Ross
Date	2018/03/05	(yyyy/mm/dd)	
Drawn By	James Ross	Dessiné par	James Ross
Date	2018/03/05	(yyyy/mm/dd)	
Reviewed By	Micheline Cervais	Examiné par	Micheline Cervais
Date	2018/03/05	(yyyy/mm/dd)	
Approved By	Brendan Harrigan	Approuvé par	Brendan Harrigan
Date	2018/03/05	(yyyy/mm/dd)	
Tender		Soumission	
Project Manager	Tiffany Wong	Administrateur de projets	Tiffany Wong
Project no.		No. du projet	
	R.090052.020		
Drawing no.		No. du dessin	
	C-7		