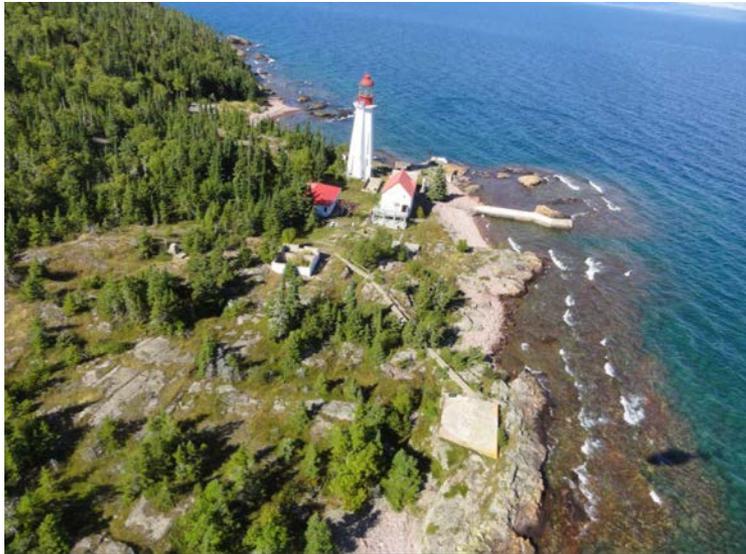


**PAINT ABATEMENT AND
DEBRIS DISPOSAL
MICHIPICOTEN ISLAND
EAST END SITE
LAKE SUPERIOR, ONTARIO**



Optional Bidders Meeting
July 25, 2017, 1:15pm

Agenda

- ▶ 1) Introductions, Roles and Responsibilities
- ▶ 2) Scope of Work and Restrictions
- ▶ 3) Waste Management, Transportation and Coordination
- ▶ 4) Logistical Challenges
- ▶ 5) Site Walk Through via Photos
- ▶ 6) Specific Clarifications and Addendums to the Specs
- ▶ 7) Questions

1) Introductions, Roles and Responsibilities

- ▶ Public Works and Government Services Canada (PWGSC) is the **Contracting Authority** for this Project

Contacts:

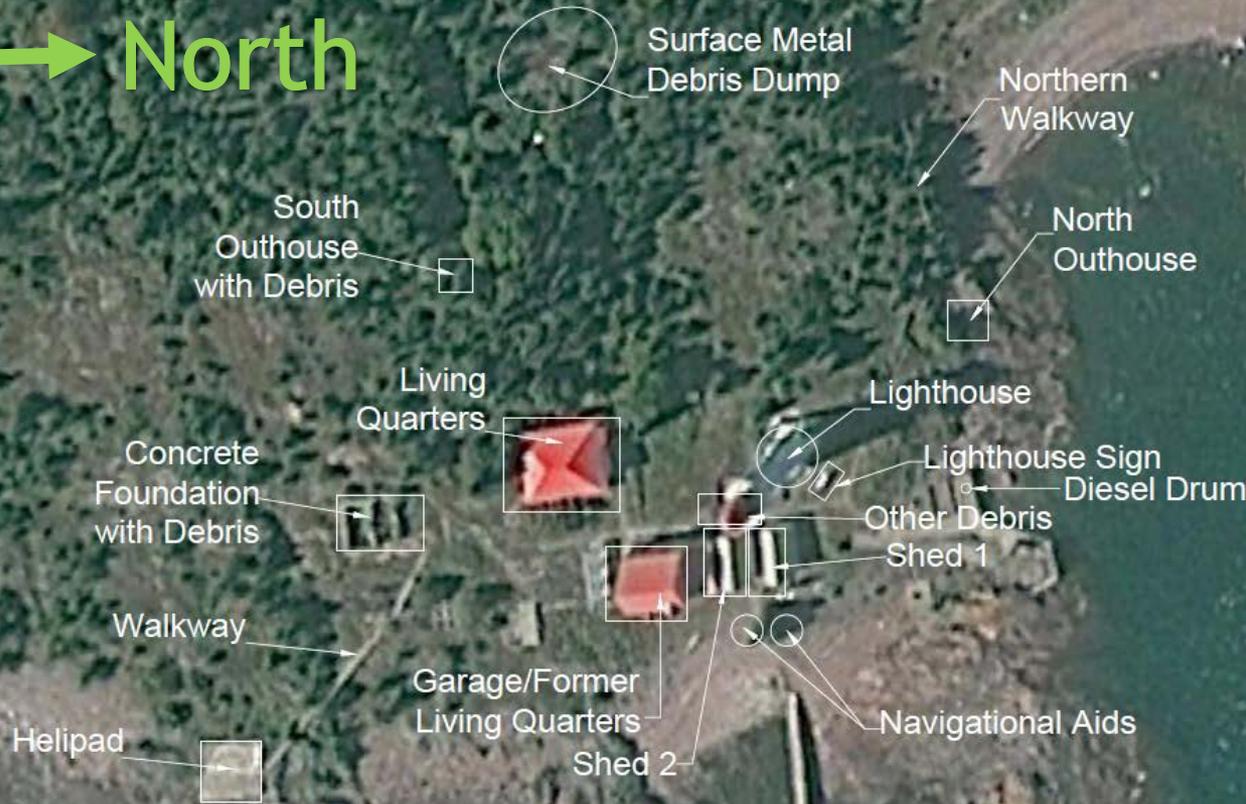
- ▶ Cindy Marshall, Contracting Officer
cindy.marshall@tpsgc-pwgsc.gc.ca
- ▶ Tiffany Wong, PWGSC Project Manager/Departmental Representative
- ▶ DST Consulting Engineers Inc. will be the **Consultant on-site**
- ▶ Enquiries regarding this bid must be submitted in writing to the Contracting Officer

2) Scope of Work

- ▶ The main purpose of this project is to abate lead - based paint from the exterior of structures at the East End Site, Lake Superior, Ontario.
- ▶ Scattered and dumped debris will also be removed from the Site.
- ▶ Any asbestos-containing material underlying lead-based painted exterior surfaces or located within the debris is also be abated as part of the program.

Scope of Work - Site Plan

→ North



LEGEND

REV	DESCRIPTION	YYMMDD	BY	CHK
1				

REFERENCES

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THIS SCALE TO BE USED TO OBTAIN APPROXIMATE DIMENSIONS FOR INFORMATION



CLIENT
PUBLIC WORKS & GOVERNMENT SERVICES CANADA

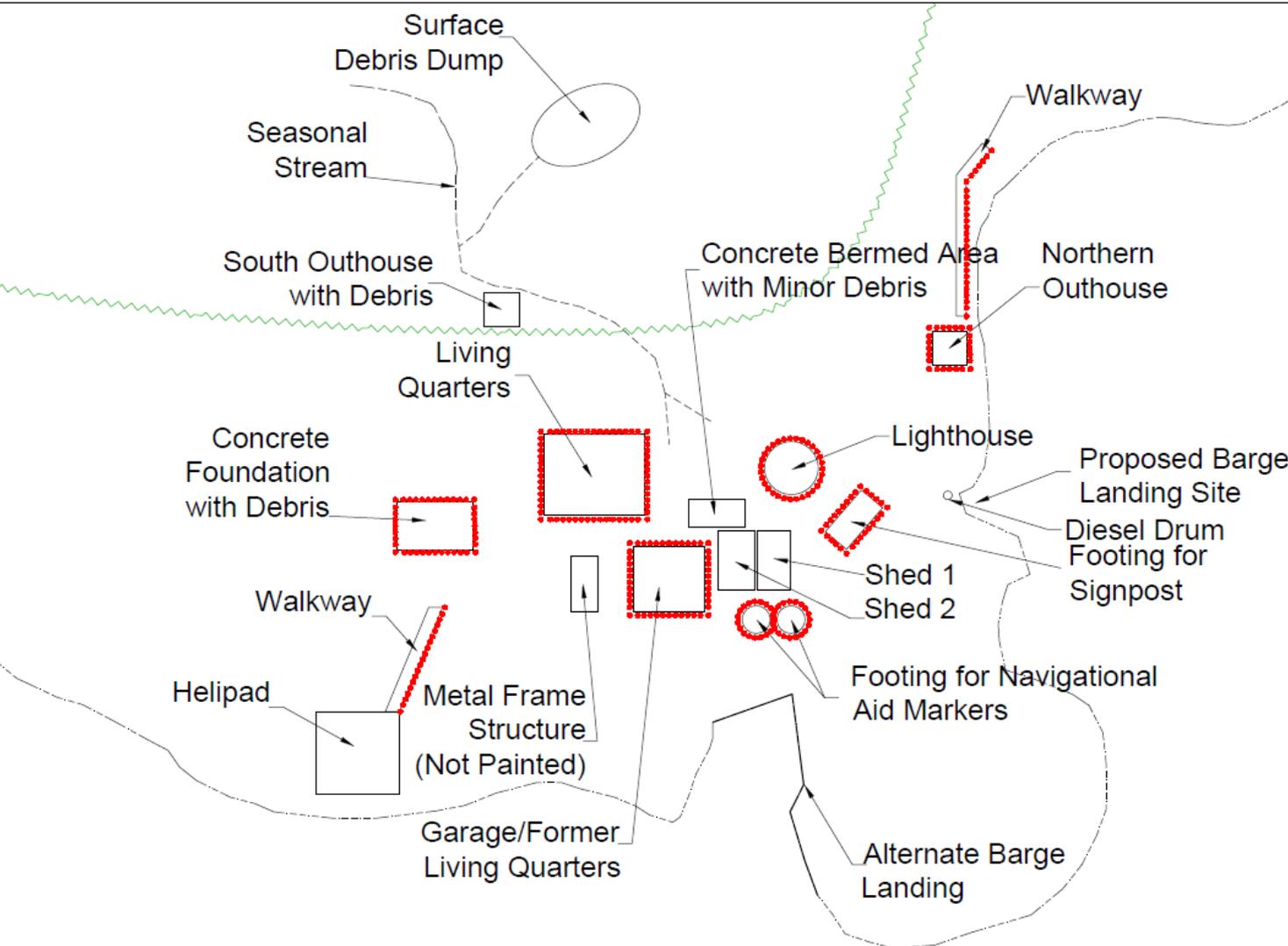
PROJECT
MICHIPICOTEN ISLAND EAST END LIGHTHOUSE

TITLE
SITE PLAN

BluMetric Environmental
3108 Carp Road PO Box 430
Ottawa, Ontario K0A 1L0
TEL: (613) 838-3053 FAX: (613) 838-5376
Email: info@blumetric.ca
Web: http://www.blumetric.ca

PROJECT # 160528	DATE 2017-06-09		
DRAWN WC	CHECKED VM	DWG NO. 1	REV 0

Scope of Work - Work Areas



LEGEND

- Site Features
- - - Seasonal Stream
- - - Coastline
- ~ ~ ~ Treeline
- Structures That Require Exterior Paint to be Abated

Note: Refer to DSG Report for Specific Details on Lead Based Paint and/or Asbestos to be Abated

REV	DESCRIPTION	YYMMDD	BY	CHK
1				

REFERENCES

PROFESSIONAL INFORMATION MAY NOT BE REPRODUCED OR TRANSMITTED IN ANY FORM OR BY ANY MEANS, ELECTRONIC OR MECHANICAL, INCLUDING PHOTOCOPYING, RECORDING, OR BY ANY INFORMATION STORAGE AND RETRIEVAL SYSTEM, WITHOUT THE WRITTEN PERMISSION OF BLUMETRIC ENVIRONMENTAL INC. IN ANY SCALE DRAWING. THIS DRAWING MAY HAVE BEEN REVISED AND ALL REVISIONS INDICATED AS SHOWN BY "R" FORMAT DRAWING.

1:800 0m 4m 8m 12m 16m 20m

THIS SCALE TO BE USED TO OBTAIN APPROXIMATE DIMENSIONS FOR INFORMATION

CLIENT

PUBLIC WORKS & GOVERNMENT SERVICES CANADA

PROJECT

LEAD BASED PAINT ABATEMENT & DEBRIS REMOVAL, MICHIPICOTEN ISLAND EAST END, LIGHT STATION

TITLE

OVERVIEW OF SITE WORK AREA

BluMetric Environmental
 3108 Carp Road PO Box 430
 Orillia, Ontario R0A 1L0
 TEL: (813) 839-3053 FAX: (813) 839-5376
 Email: info@blumetric.ca
 Web: http://www.blumetric.ca

PROJECT # 160528		DATE 2017-06-09	
DRAWN WC	CHECKED VM	DWG NO. C-2	REV 0

Scope of Work - Lead Paint Abatement

- ▶ Abatement of lead-based exterior paint on the **lighthouse structure**, as well as repainting of the lighthouse exterior.
- ▶ Abatement of lead-based exterior paint on the stairs/railing of **living quarters building**, as well as repainting of the exterior.
- ▶ Abatement of lead-based exterior paint on the **garage/former living quarters building**, as well as repainting of the exterior.
- ▶ Abatement of lead-based exterior paint on **former building foundation**.
- ▶ Abatement of lead-based exterior paint on **handrails** along path to helipad and from northern walkway.
- ▶ Abatement of lead-based exterior paint from **lighthouse sign base, northern outhouse, and navigation aid bases**.

Scope of Work - Asbestos Containing Material Removal

- ▶ Abatement of asbestos containing caulking on the **lighthouse structure**, and reapplication of joint seal.
- ▶ Abatement of asbestos containing tar paper and transite cladding (2nd floor facing) on the **living quarters structure**, as well as replacement of cladding.
- ▶ Abatement of asbestos containing caulking on the **garage/former living quarters building**, and re-application of joint seal.
- ▶ Removal of asbestos-containing debris from a **shallow landfill dump** found upstream from the lighthouse compound, from pile in **southern outhouse**, and pile in **former building foundation**.
- ▶ Removal of any other **suspected asbestos-containing debris** from a general site area.

Scope of Work - Debris Removal

- ▶ Removal of debris from a **shallow landfill dump** found up-stream from the lighthouse compound and removal of general debris from the **site area**.
 - ▶ Access to dump site may require some removal of vegetation to clear pathway.
- ▶ Removal of **painted debris** from a general site area.
- ▶ Safe removal and disposal of a **60 gallon plastic drum** containing diesel fuel, located on the north dock.

Scope of Work - Restrictions

- ▶ At no time during abatement or repainting of the lighthouse exterior can the upper floor and lamp be obstructed from view.
- ▶ Additional restrictions and challenges referenced throughout presentation.

3) Waste Management

- ▶ Selected **Contractor** will be responsible for the characterization of all waste materials (e.g. hazardous vs non-hazardous, as applicable)
- ▶ A Waste Reduction Workplan is to be developed to identify wastes to be diverted for reuse / recycling
- ▶ Waste to be separated into streams and disposed of at facilities licensed for each waste stream
- ▶ Maintain and submit to the Consultant (DST) documentation for all wastes, including quantities to be removed from Site, C of A's for accepting landfills and transporters, all waybills, etc.
- ▶ All wastes to be removed from Site must be containerized as appropriate for transport method and to meet all waste transport/handling regulations

4) Logistical Challenges

- ▶ Remote location with limited transport options
- ▶ Weather, marine conditions on Lake Superior can result in delays; weather can worsen from summer to fall
- ▶ Schedule: Work to be completed within 40 days of Contract Award Date, which is the Notice to Proceed or Start Date of the Project. Project Kick-off (in office with DFO, PWGSC, DST and selected contractor) within 2 days of Contract Award Date.



Project Location

Approximately 60 km from Michipicoten Harbour at Wawa, 140 km from Marathon, and 170 km from Sault Ste. Marie, Ontario.



Project Location

No land access from other areas within island.

Logistics - Transportation

- ▶ Project Site is very remote, and is not accessible by land
- ▶ Selected transport method(s) must be in accordance with all applicable regulations. All boats used under this contract must be Canadian Coast Guard certified vessels.
- ▶ Site includes a concrete helipad.
- ▶ Documents provided identify 'preferred' and 'alternate barge landing' areas at the Project Site. Note that these areas are not necessarily suitable for a barge to land - refer to *Marine Assessment (Shoreplan Engineering, January 12, 2017)* provided with tender package as a reference for water access to the Project Site.

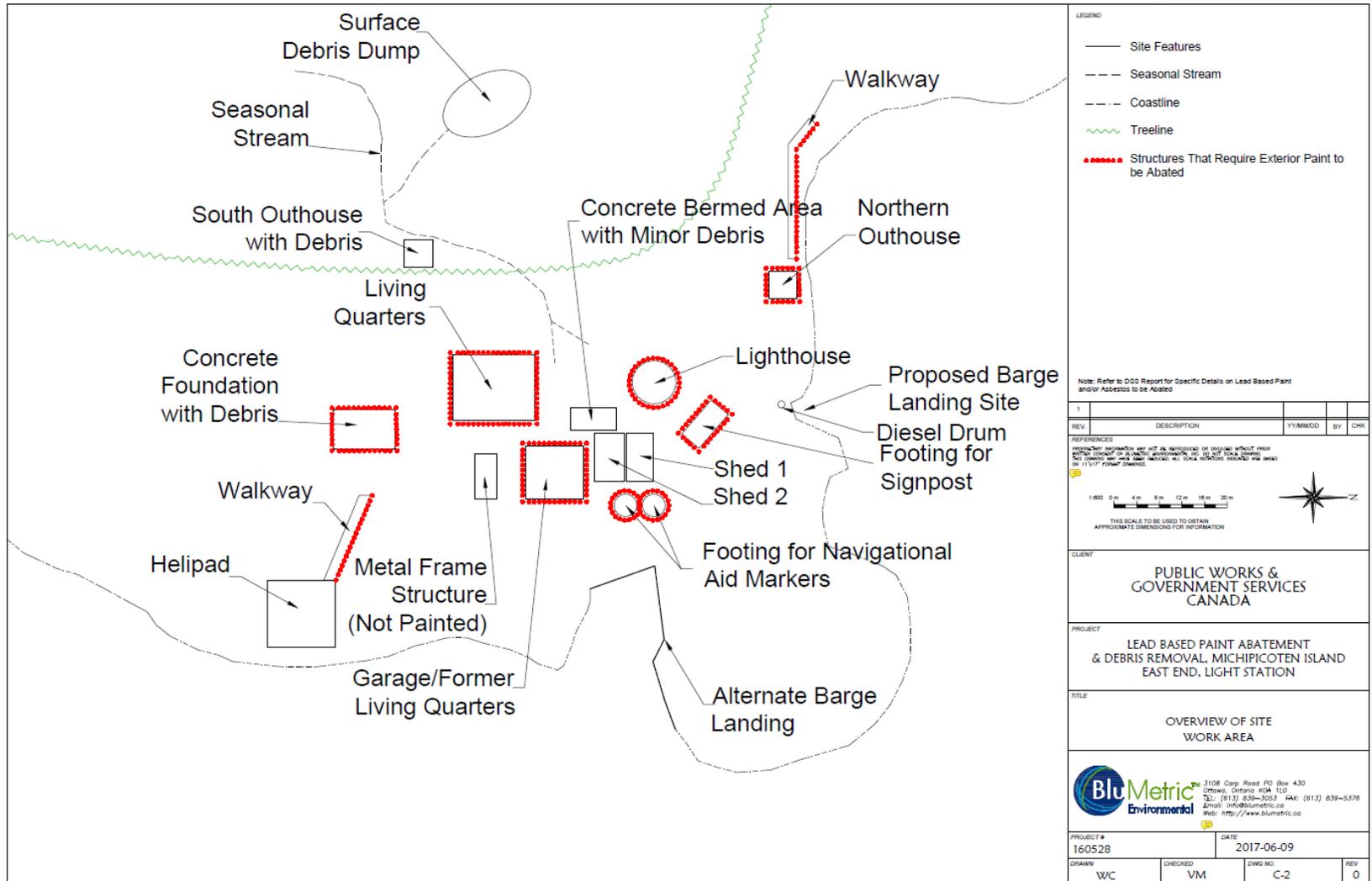
Logistics - Environmental

- ▶ Selected Contractor needs to have a **Fire Protection Plan** in place for the work
- ▶ **Spills** must be immediately contained and reported and Spill response materials and plan must be available
- ▶ **Sediment and erosion control** measures need to be in place during abatement activities.
- ▶ **Species at Risk** and other wildlife are present on Michipicoten Island, and there is potential for contact.
 - ▶ Refer to Environmental Effects Evaluation Checklist and Summary of Mitigation Measures in tender package

Logistics - Safety

- ▶ The Site is extremely remote and emergency services are not readily available in case of accidents or injury.
- ▶ Project may involve work with substances designated under Occupational Health and Safety Act and Regulations for Construction Projects, O.Reg. 213/91 as amended, and other potential hazardous materials
 - ▶ Refer to *Comprehensive Designated Substances and Hazardous Materials Survey, Michipicoten Island East End, BluMetric Environmental Inc., March 21, 2017*

5) Site Walk Through

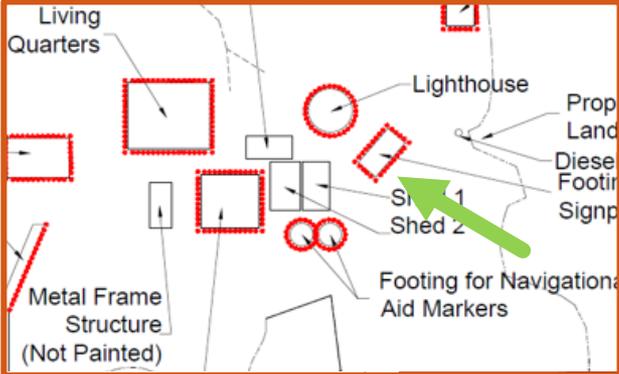




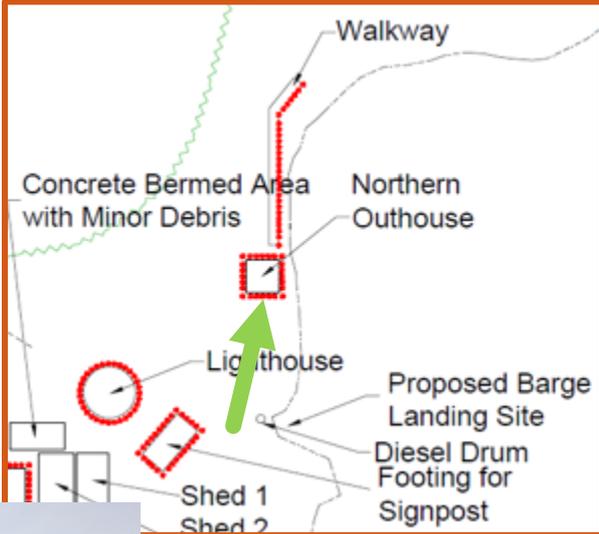




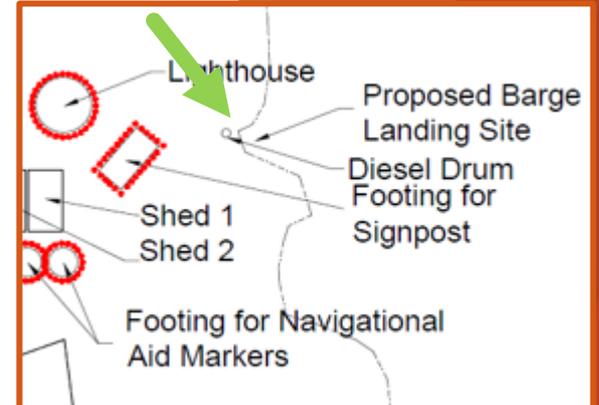
Signpost facing southwest. Lighthouse base and living quarters in background.



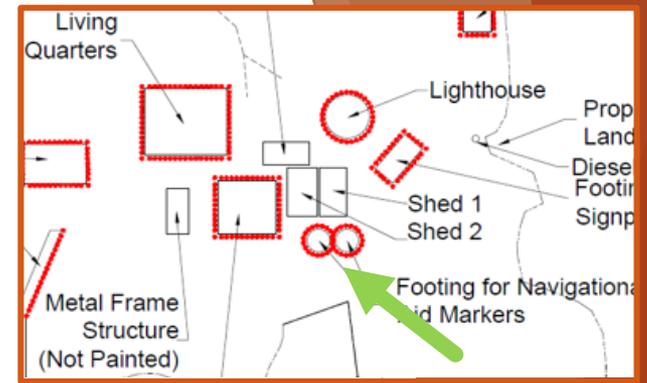
Northern outhouse, facing west from signpost.



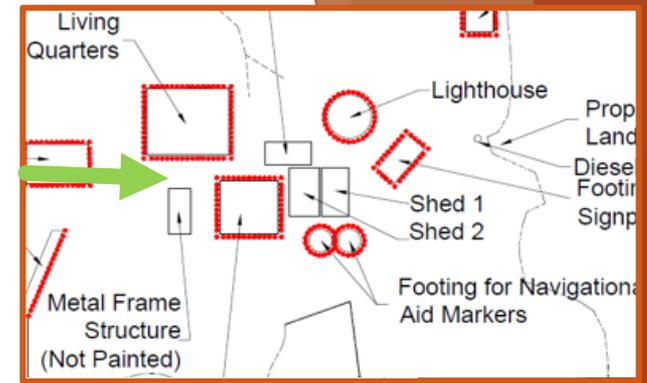
60-Gal plastic drum containing diesel at 'proposed barge landing site'.



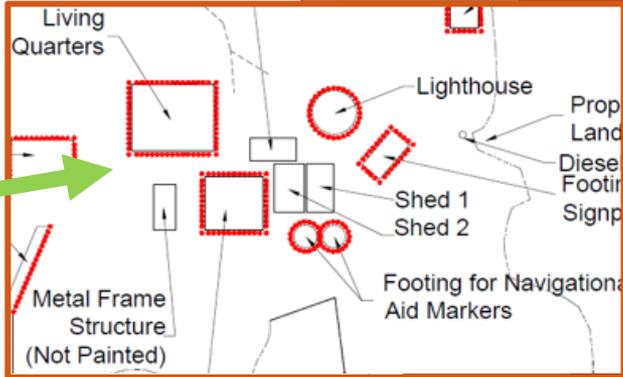
Navigational aid markers.



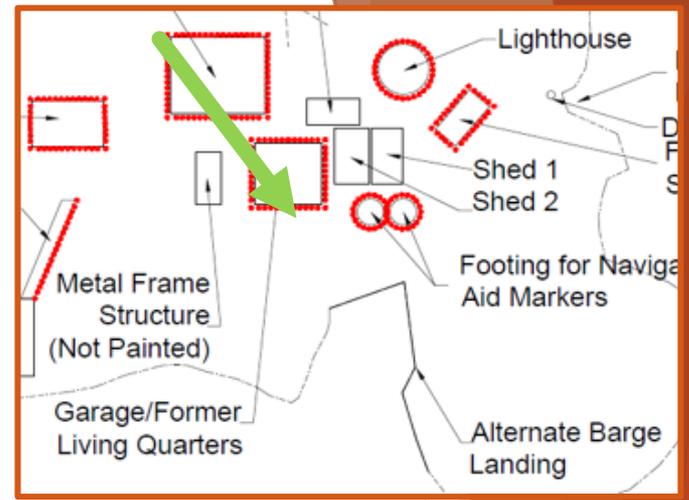
Living quarters (L), lighthouse (C) and garage/former living quarters (R) facing north.



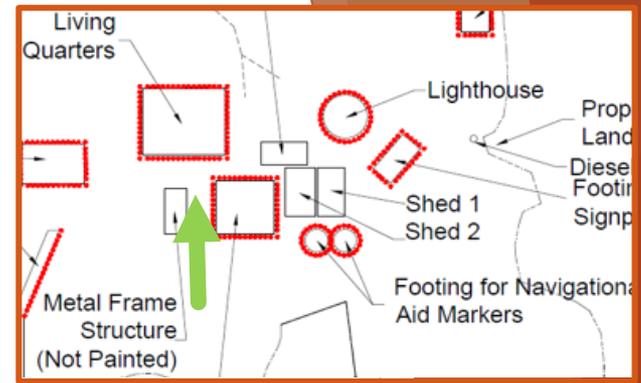
Lighthouse, with living quarters (L), facing north.



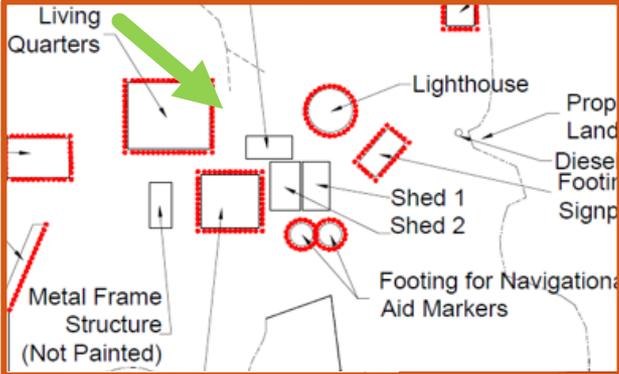
'Alternate barge landing area', facing NE from the garage/former living quarters.



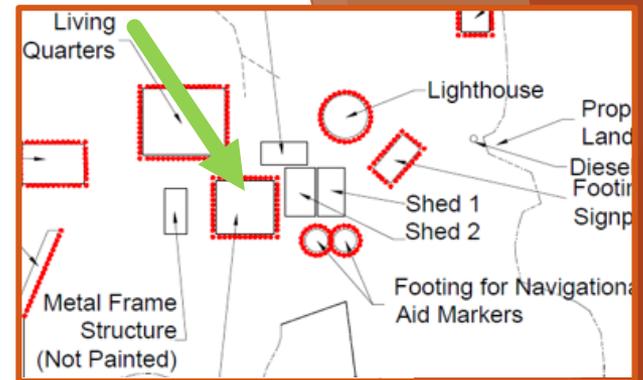
Living quarters, facing west.



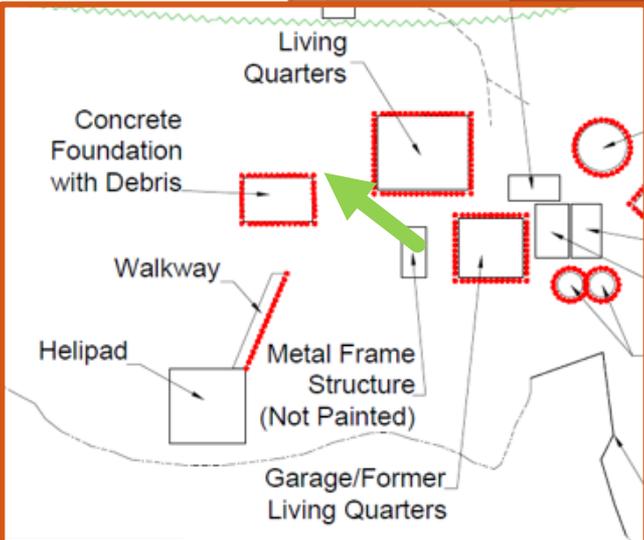
Concrete bermed area with debris, with lighthouse (L), Shed 1 and 2 (C), and garage/former living quarters (R), facing NE.



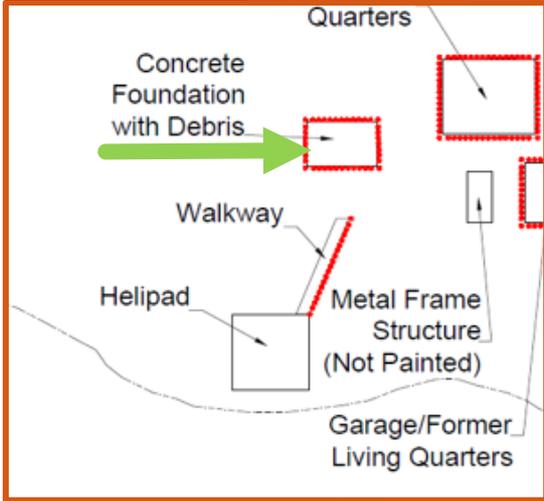
Interior room of garage/former living quarters.



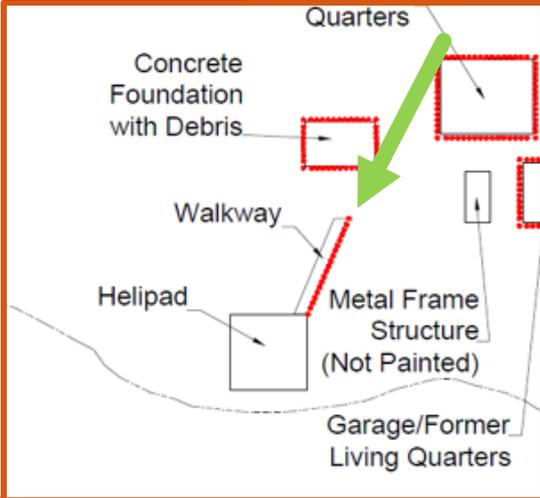
Concrete foundation with debris facing southwest from Metal Frame Structure.



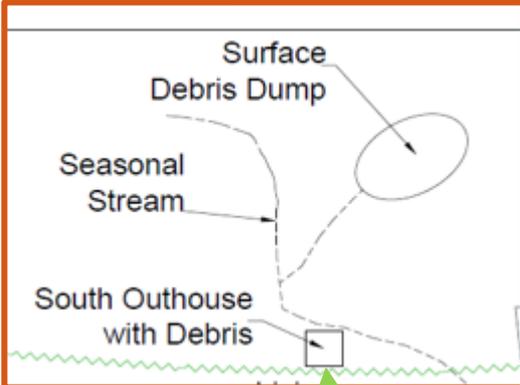
Interior of concrete foundation containing debris.



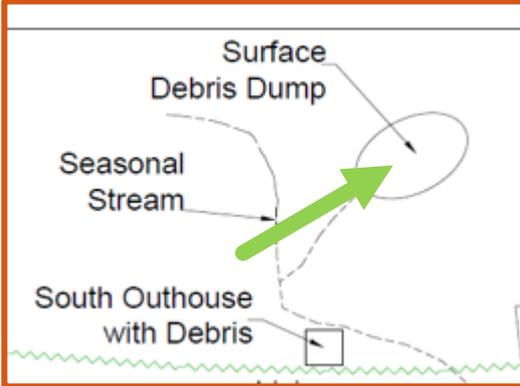
Walkway to Helipad, facing southeast.



South outhouse with debris.



Surface debris dump.

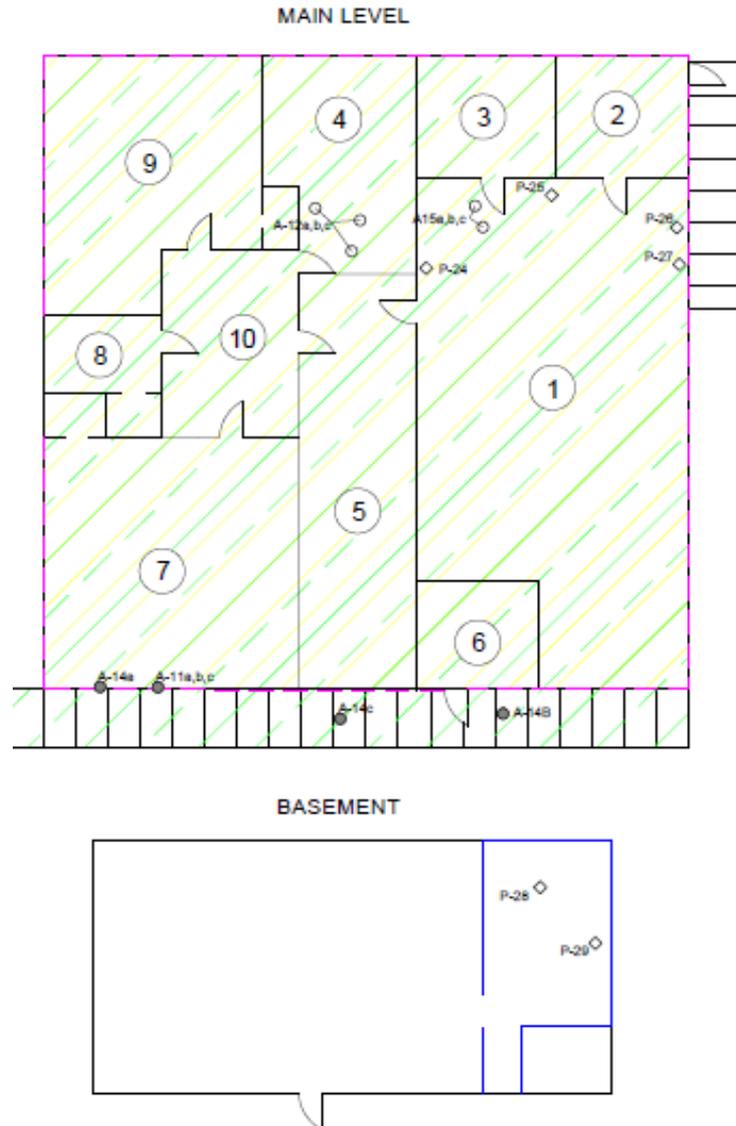


6) Specific Clarifications and Addendums to the Specs

- ▶ Addendum to be issued following this meeting expected to contain:
 - ▶ Contractor to transport Consultant (DST) personnel and their equipment to/from the Island at a minimum every 12 days throughout the project
 - ▶ Work to be completed only during daylight hours
 - ▶ Use of Site Structures will be granted to the selected Contractor during the course of work:
 - ▶ All structures to be cleaned prior to use
 - ▶ Use of the **garage/former living quarters building** is reserved for the Consultant (DST)
 - ▶ Meals, potable water, wash water and accommodations are to be provided to the Consultant personnel on Site (one representative), same as the Contractor's crew, regardless of arrangements
 - ▶ Lead-Based Paint Abatement that would require maximum precautionary measures will not be permitted.

Living Quarters Building-Interior Conditions

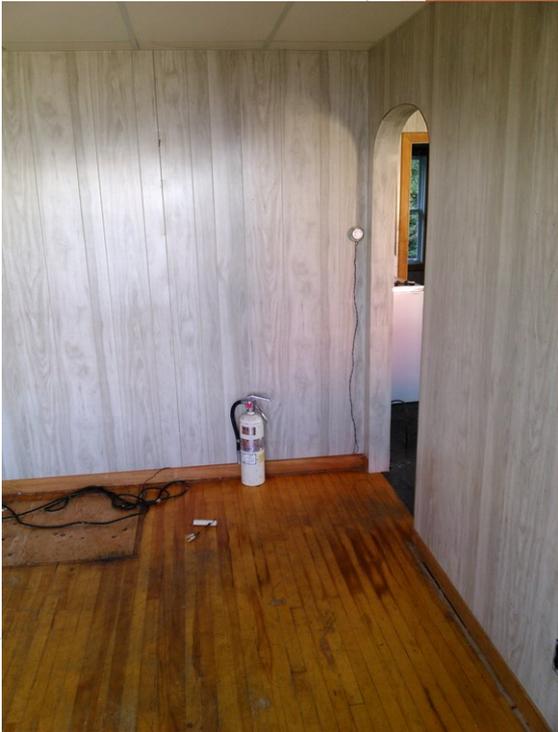
On-site buildings will be made available for use. As per the specification, Contractor must supply own on-site water, sanitary, electrical, communication, accommodation, food and drinking water.



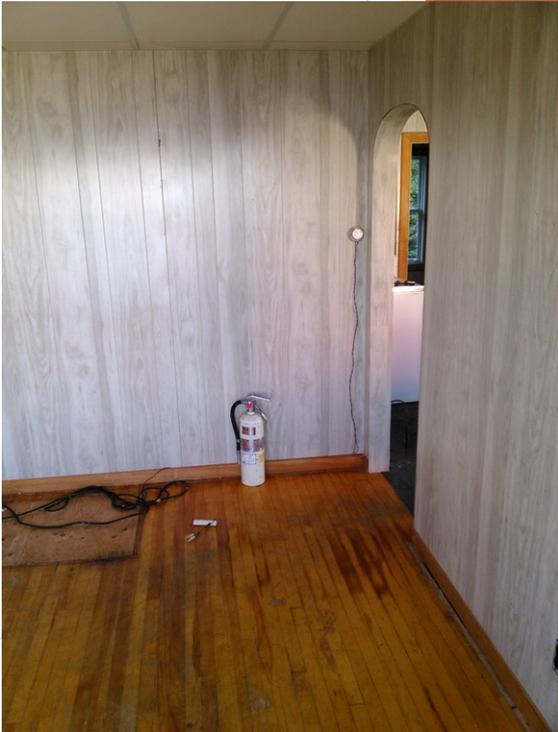
Living Quarters Building-Interior Conditions



Living Quarters Buildings-Interior Conditions



Living Quarters Buildings-Interior Conditions



Living Quarters Buildings-Interior Conditions



Living Quarters Buildings-Interior Conditions (Lower Storey)



7) Questions

- ▶ All questions to be sent in writing to Contracting Authority for official answer via addendum
 - ▶ Cindy Marshall, Contracting Officer
cindy.marshall@tpsgc-pwgsc.gc.ca
- ▶ A formal amendment will be posted on the buy and sell site

Additional Photos

Living Quarters- Stairs



Vegetation Clearing



Vegetation Clearing



Vegetation Clearing



Debris



Debris



Living Quarters - Exterior Transite and Tar Paper



Shed 1 and 2 - Interior Conditions

Ceiling and interior walls- 25% chrysotile non-friable transite and some potential ACM debris

