



Public Works
Government Services
Canada

Architectural and
Engineering Services

Ontario Region

Travaux publics
Services gouvernementaux
Canada

Services d'architecture
et de génie

Région de l'Ontario

Public Works and
Government Services Canada
Travaux publics et
Services gouvernementaux Canada



STOKES BAY BAY FRONT RANGE, LIGHT STATION

KNIFE ISLAND, LAKE HURON, ON

LEAD BASED PAINT ABATEMENT AND CONTAMINATED SOIL REMOVAL

PWGSC Proj. No.: R.071694.050



LIST OF DRAWINGS

REMEDIATION

- C-01 SITE LOCATION PLAN
- C-02 OVERVIEW OF SITE WORK AREA LOCATION
- C-03 LEAD IMPACTED SOIL REMOVAL
- C-04 LEAD BASED PAINT ABATEMENT - OLD LIGHTHOUSE

- A Detail No.
No. du détail
- B drawing no. - where detail required
dessin no. - où détail exigé
- C drawing no. - where detailed
dessin no. - où détaillé

project title
titre du projet
**LEAD BASED PAINT ABATEMENT
AND CONTAMINATED SOIL
REMOVAL**
STOKES BAY FRONT RANGE, LIGHT
STATION
KNIFE ISLAND, ONTARIO

drawing title
titre du dessin
SITE LOCATION PLAN

drawn by
dessiné par AG

designed by
conçu par RM

approved by
approuvé par SF

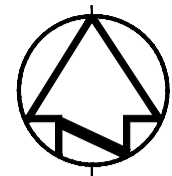
bid
offre RM project manager
administrateur
de projets

project date
date du projet 2015-02-19

project no.
no. du projet R.071694.050

drawing no.
dessiné no. C-01

Canada



KEY PLAN NOT TO SCALE

- LEGEND**
- APPROXIMATE EXTENT OF LEAD IMPACTED SOIL AND/OR VISIBLE PAINT CHIPS (300m²)
 - ESTIMATED AREA REQUIRING LOOSE PAINT CHIP REMOVAL
 - ESTIMATED AREA REQUIRING GRUBBING
 - APPROXIMATE EXTENT OF SOIL EXCEEDING SSTLS REQUIRING SOIL REMEDIATION (50m²)
 - APPROXIMATE EXTENT OF POSSIBLE IMPACTED SOIL (30m²)
 - TOTAL ESTIMATED VOLUME OF SOIL (INCLUDING PAINT CHIPS) REQUIRING REMEDIATION = 10–15m³
 - TREE/SHRUB LINE
 - PROPOSED ACCESS ROUTE

01	ISSUED FOR CLIENT REVIEW	2015-02-20
revision		date

Do not scale drawings.
Verify all dimensions and conditions on site and immediately
notify the Departmental Representative of all discrepancies.

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**OVERVIEW OF SITE WORK
AREA LOCATIONS**

drawn by
dessiné par AG

designed by
conçue par RM

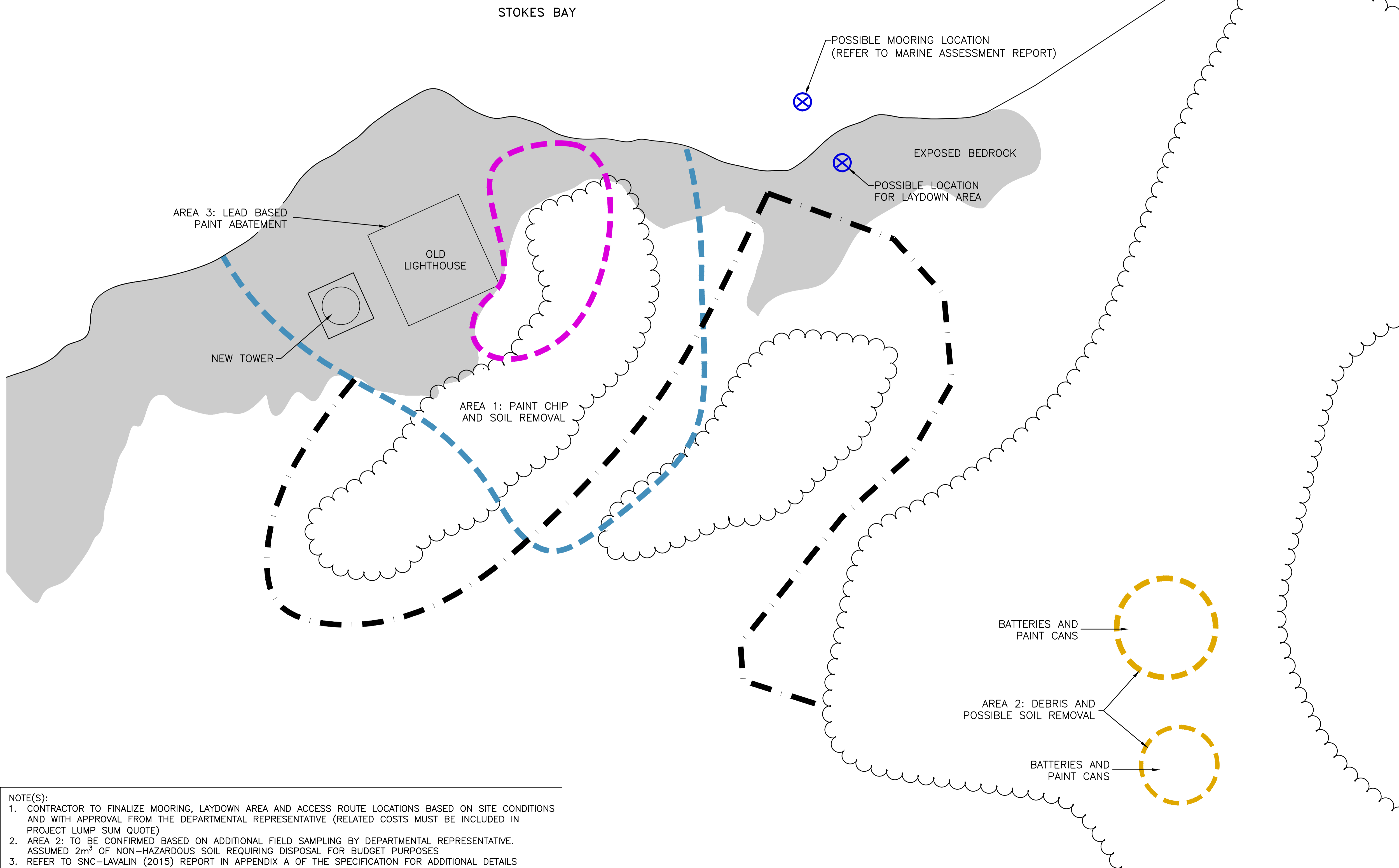
approved by
approuvé par SF

bid
offre RM project manager
administrateur
de projets

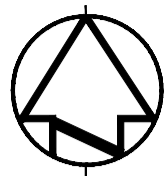
project date
date du projet 2015-02-19

project no.
no. du projet R.071694.050

drawing no.
dessiné no. C-02



- NOTE(S):
1. CONTRACTOR TO FINALIZE MOORING, LAYDOWN AREA AND ACCESS ROUTE LOCATIONS BASED ON SITE CONDITIONS AND WITH APPROVAL FROM THE DEPARTMENTAL REPRESENTATIVE (RELATED COSTS MUST BE INCLUDED IN PROJECT LUMP SUM QUOTE)
 2. AREA 2: TO BE CONFIRMED BASED ON ADDITIONAL FIELD SAMPLING BY DEPARTMENTAL REPRESENTATIVE. ASSUMED 2m³ OF NON-HAZARDOUS SOIL REQUIRING DISPOSAL FOR BUDGET PURPOSES
 3. REFER TO SNC-LAVALIN (2015) REPORT IN APPENDIX A OF THE SPECIFICATION FOR ADDITIONAL DETAILS

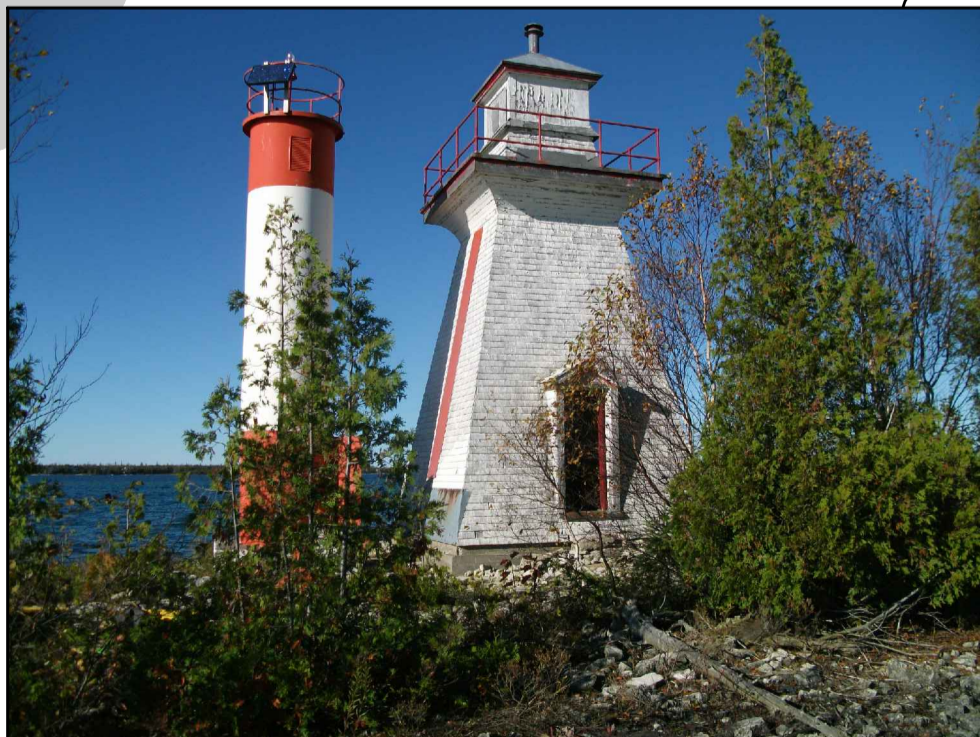


STOKES BAY

EXPOSED BEDROCK

NEW TOWER

OLD LIGHTHOUSE



BATTERIES AND
PAINT CANS

BATTERIES AND
PAINT CANS



NOTE(S):
1. AREA 2: TO BE CONFIRMED BASED ON ADDITIONAL FIELD SAMPLING BY DEPARTMENT REPRESENTATIVE. ASSUMED 2m³ OF NON-HAZARDOUS SOIL REQUIRING DISPOSAL FOR BUDGET PURPOSES
2. SOIL AND PAINT CHIPS WILL REQUIRE SEGREGATION DURING REMEDIATION FOR WASTE CLASSIFICATION. ASSUME THAT WORST CASE SOIL/PAINT CHIPS WILL REQUIRE DISPOSAL AS HAZARDOUS WASTE (10% OF TOTAL VOLUME)
3. REFER TO SNC-LAVALIN (2015) REPORT IN APPENDIX A OF THE SPECIFICATION FOR ADDITIONAL DETAILS REGARDING SCOPE OF SOIL/PAINT CHIPS REMEDIATION



LEGEND

- APPROXIMATE EXTENT OF LEAD IMPACTED SOIL AND/OR VISIBLE PAINT CHIPS (300m²)
 - ESTIMATED AREA REQUIRING LOOSE PAINT CHIP REMOVAL
 - ESTIMATED AREA REQUIRING GRUBBING
- APPROXIMATE EXTENT OF SOIL EXCEEDING SSTLS REQUIRING SOIL REMEDIATION (50m²)
- APPROXIMATE EXTENT OF POSSIBLE IMPACTED SOIL (30m²)
- TOTAL ESTIMATED VOLUME OF SOIL (INCLUDING PAINT CHIPS) REQUIRING REMEDIATION = 10–15m³
- TREE/SHRUB LINE

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STOKES BAY FRONT RANGE, LIGHT
STATION
KNIFE ISLAND, ONTARIO

drawing title
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SOIL REMEDIATION

drawn by
dessiné par AG

designed by
conçu par RM

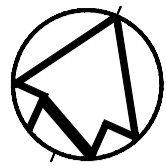
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bid
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administrateur de projets

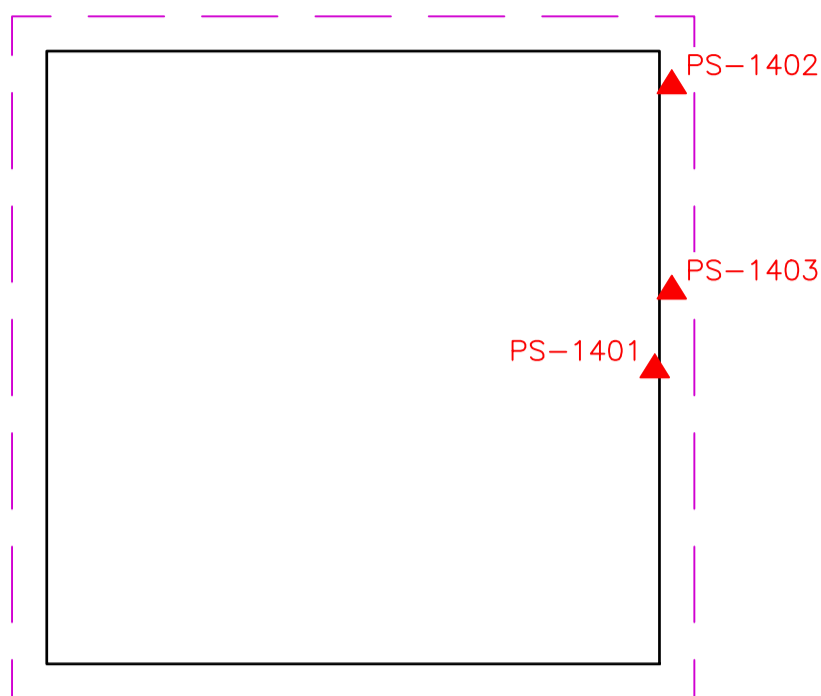
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project no.
no. du projet R.071694.050

drawing no.
dessiné no. C-03



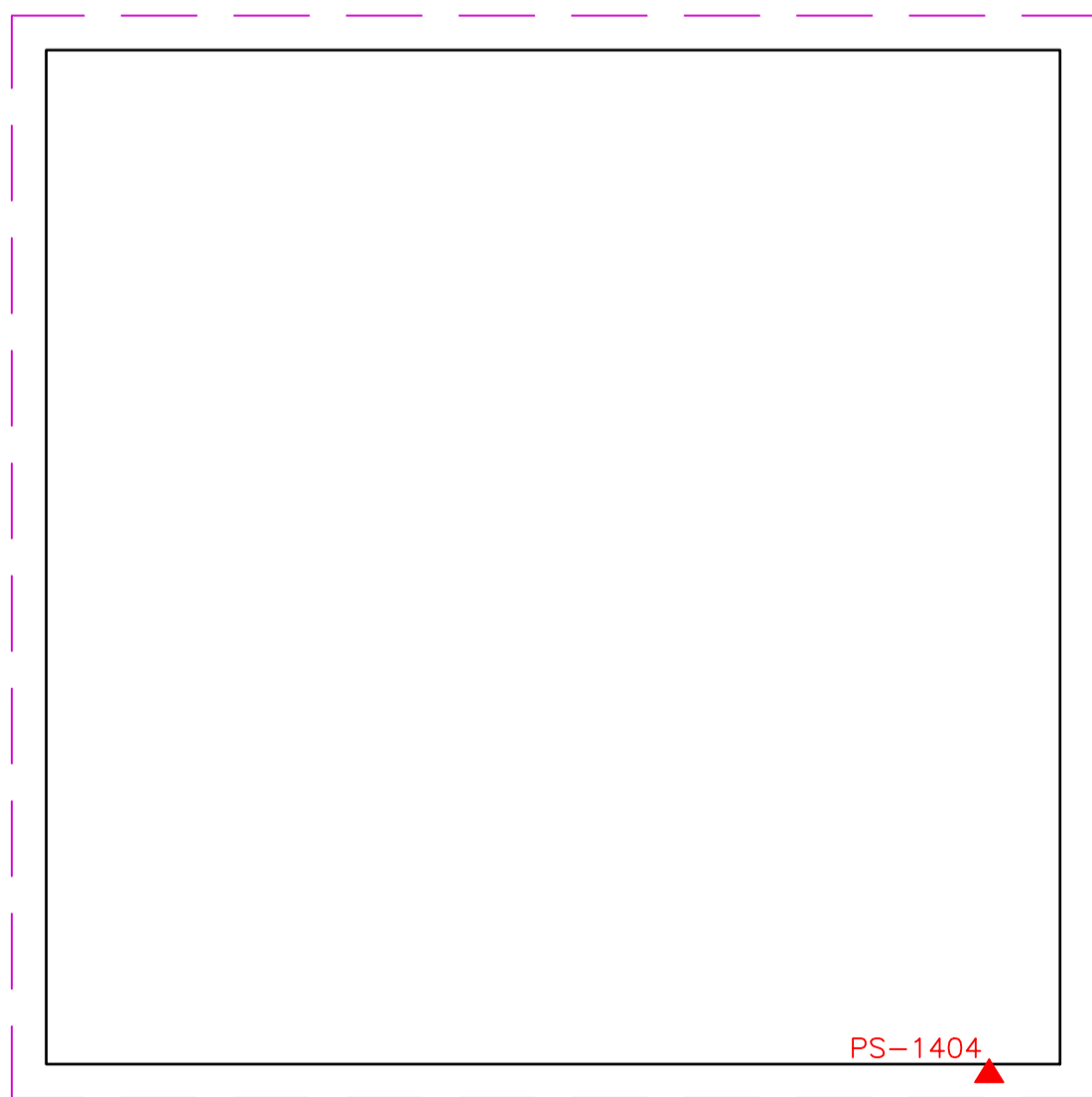
OLD LIGHTHOUSE
(3RD FLOOR)



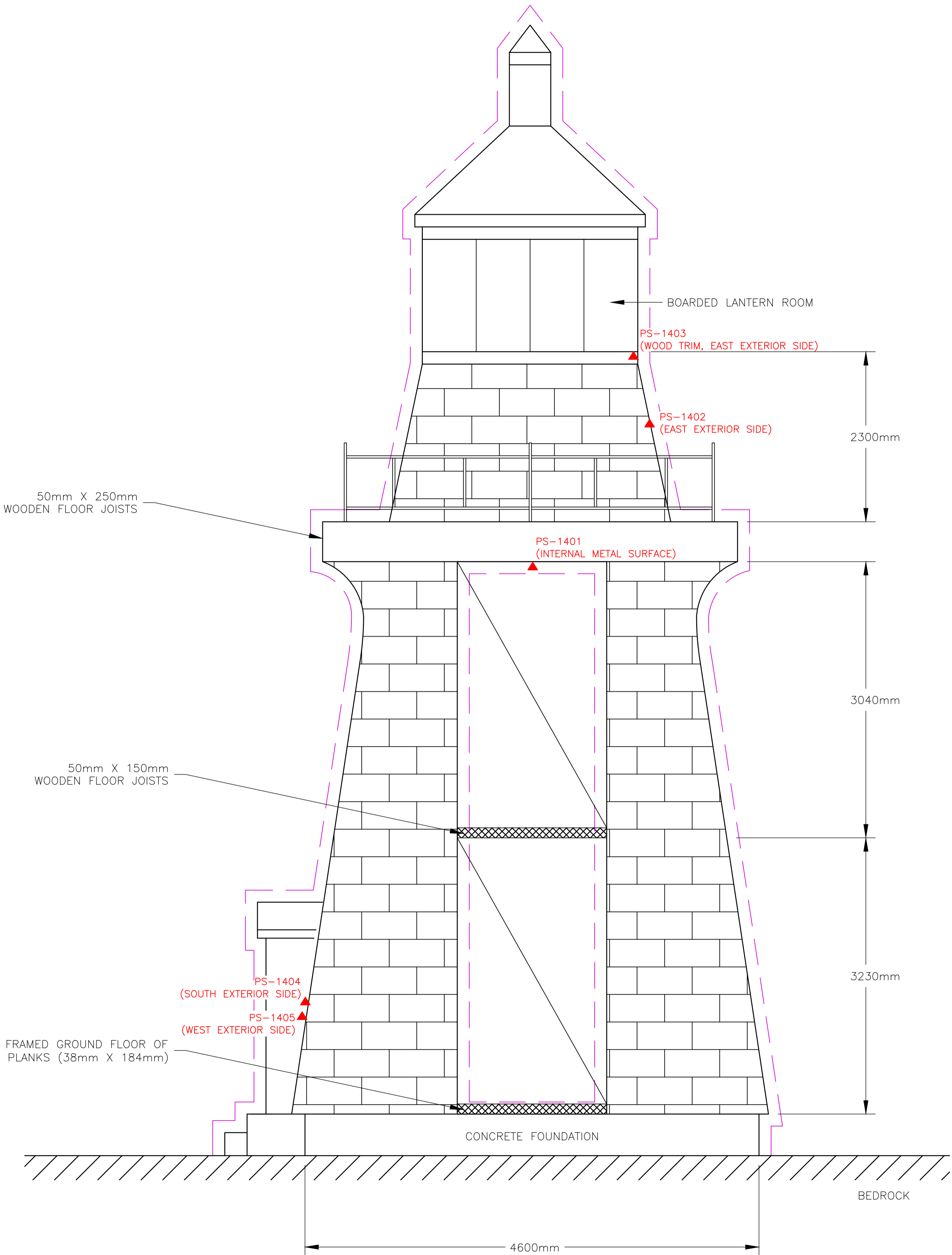
OLD LIGHTHOUSE
(2ND FLOOR)



OLD LIGHTHOUSE
(1ST FLOOR)



- NOTE(S):
1. DRAWING IS NOT TO SCALE
 2. DIMENSIONS ARE APPROXIMATE
 3. PAINT RESIDUE GENERATED DURING DISPOSAL WILL REQUIRE WASTE CLASSIFICATION, BUT SHOULD BE ASSUMED IT WILL REQUIRE DISPOSAL AS HAZARDOUS-WASTE
 4. REFER TO SNC-LAVALIN (2015) REPORT IN APPENDIX A OF THE SPECIFICATION FOR ADDITIONAL DETAILS
 5. 'mm' : MILLIMETERS



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- KEY PLAN
- NOT TO SCALE
- LEGEND
- EXISTING INFRASTRUCTURE
 - APPROXIMATE EXTENT OF LEAD BASED PAINT (EXTERIOR)
 - PAINT SAMPLE CONFIRMED LEAD-BASED (PS-XXXX)

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**LEAD BASED PAINT ABATEMENT
- OLD LIGHTHOUSE**

drown by
dessine par AG

designed by
conc par RM

approved by
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administrateur
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project no.
no. du projet R.071694.050

drawing no.
dessine no. C-04