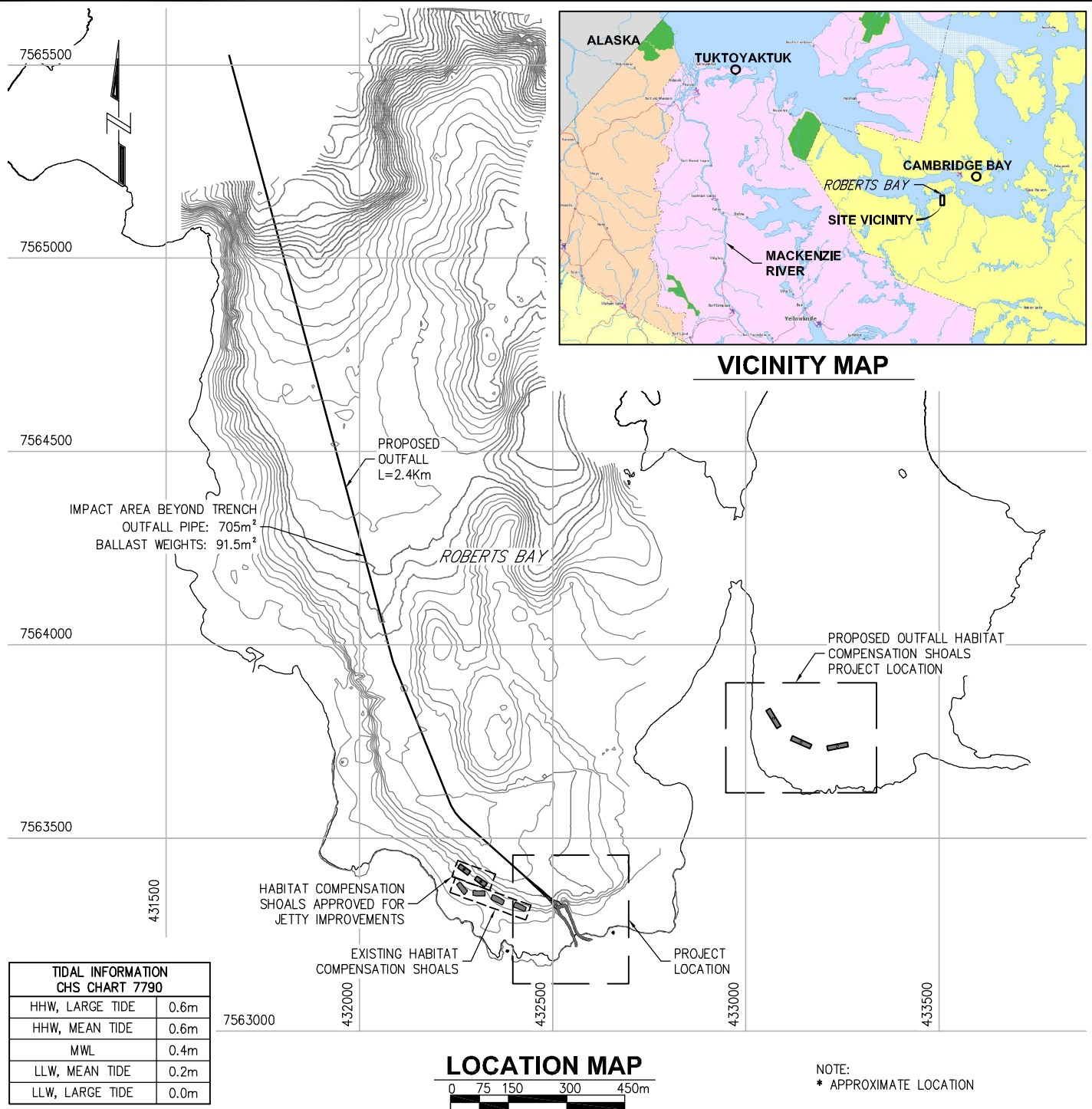


Appendix 12

Design Drawings of Proposed Outfall (Subsea Pipeline and Diffuser) and Associated Infrastructure, Doris North Project (PND Engineers, November 2013)





PROPOSED:
INSTALL OUTFALL.

DATUM: 0.0m LLW, LARGE TIDE

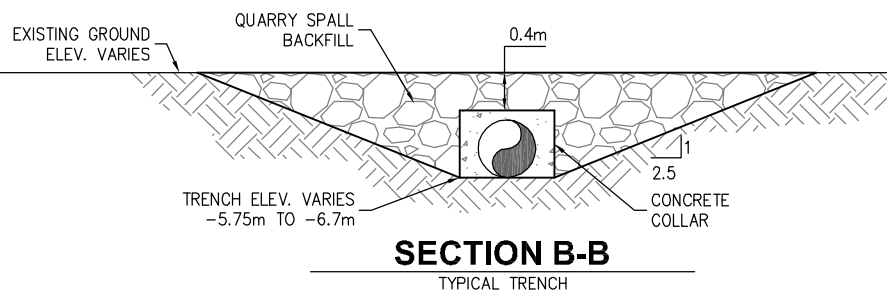
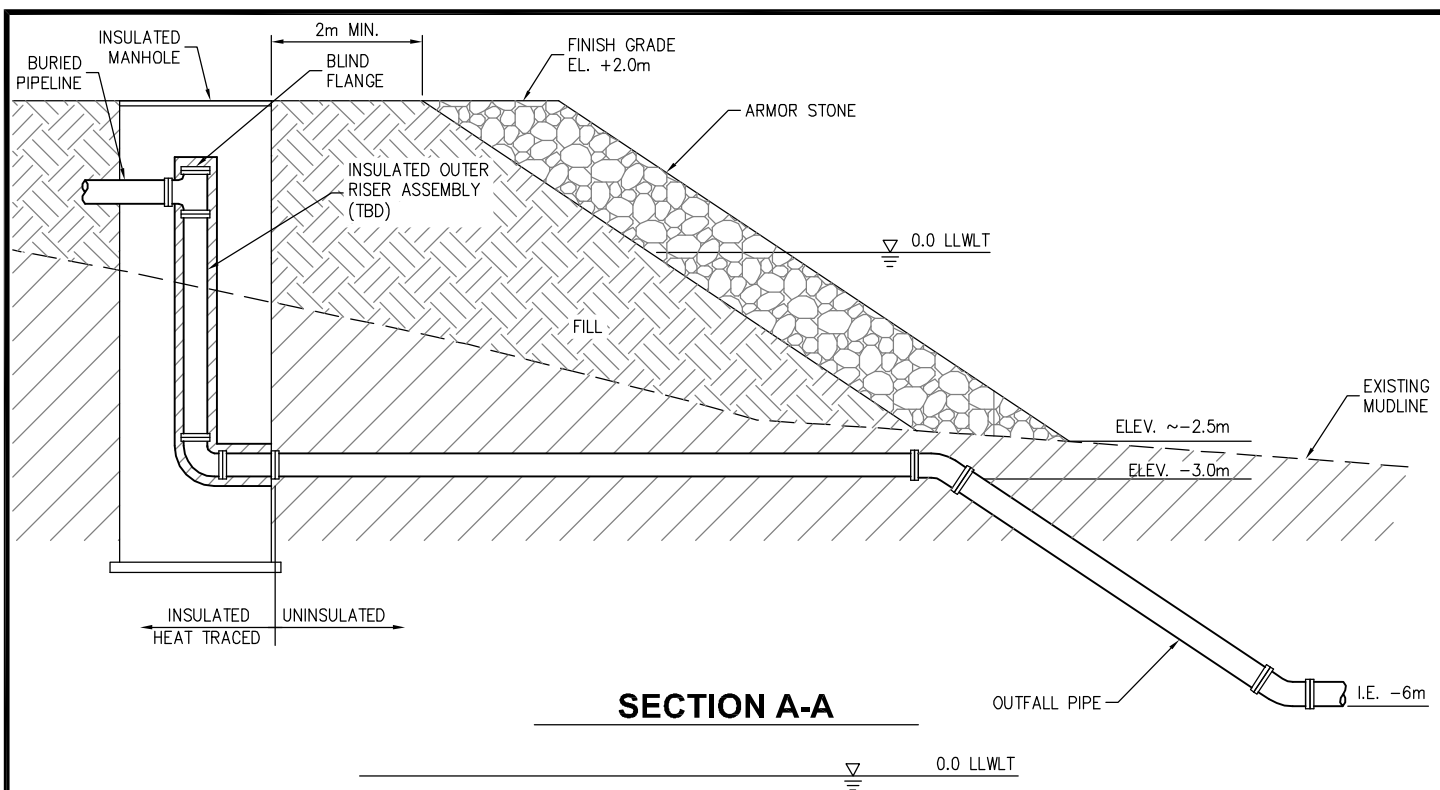
OUTFALL LOCATION MAP

APPLICATION BY:
TMAC RESOURCES, INC.

IN: ROBERTS BAY
AT: NUNAVUT, CANADA

SHEET 1 of 6 DATE: NOV. 2013

Drawings\2013\134054.02 - Hope Bay Mining Outfall\Outfall - Permits\134054.02-03.dwg



PROPOSED:
INSTALL OUTFALL

DATUM: 0.0m LLW, LARGE TIDE

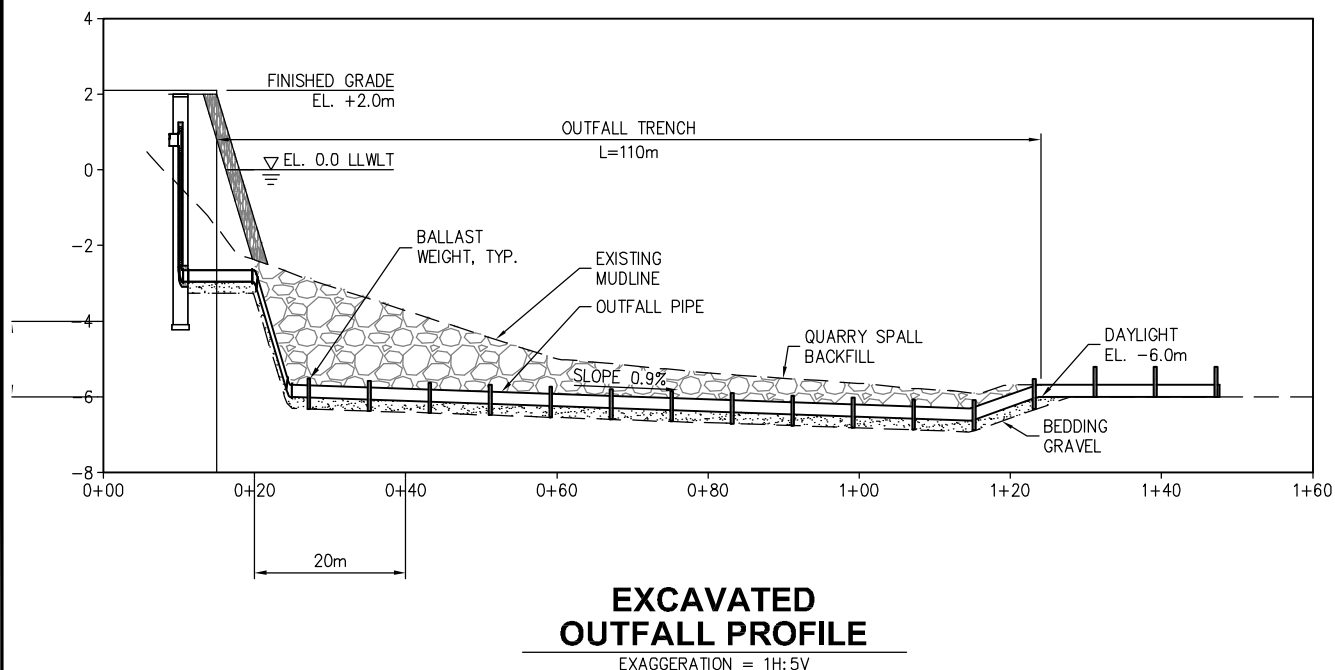
OUTFALL OUTFALL SECTION

APPLICATION BY:
TMAC RESOURCES, INC.

IN: ROBERTS BAY
AT: NUNAVUT, CANADA

SHEET 3 of 6 DATE: NOV. 2013

D:\Drawings\2013\134054.02 - Hope Bay Mining Outfall\Outfall - Permits\134054.02-04.dwg



PROPOSED:
INSTALL OUTFALL

DATUM: 0.0m LLW, LARGE TIDE

OUTFALL

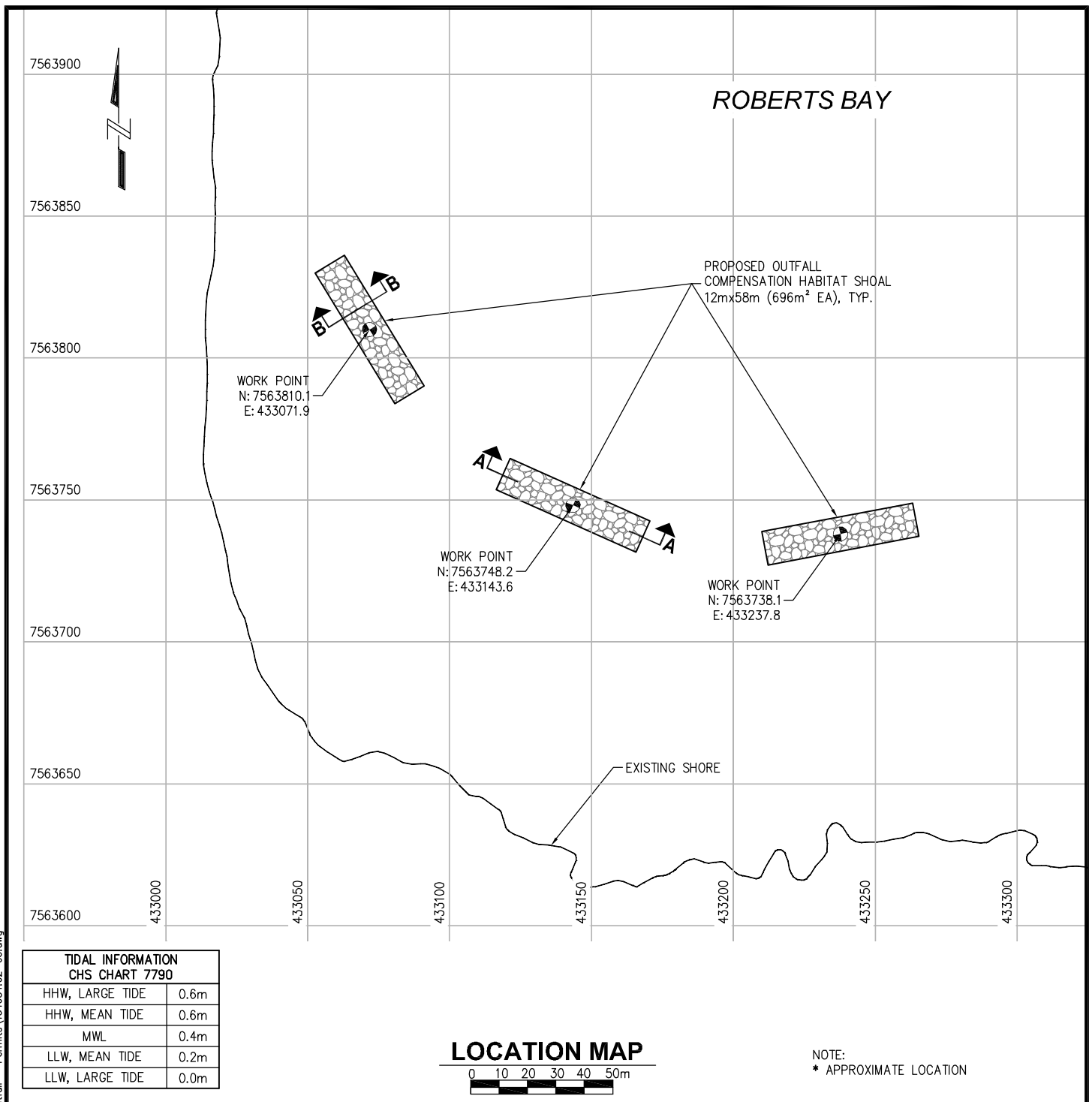
EXCAVATED OUTFALL PROFILE

APPLICATION BY:
TMAC RESOURCES, INC.

IN: ROBERTS BAY
AT: NUNAVUT, CANADA

SHEET 4 of 6 DATE: NOV. 2013

D:\Drawings\2013\134054.02 - Hope Bay Mining Outfall\Outfall - Permits\134054.02-05.dwg



PROPOSED:
INSTALL OUTFALL

DATUM: 0.0m LLW, LARGE TIDE

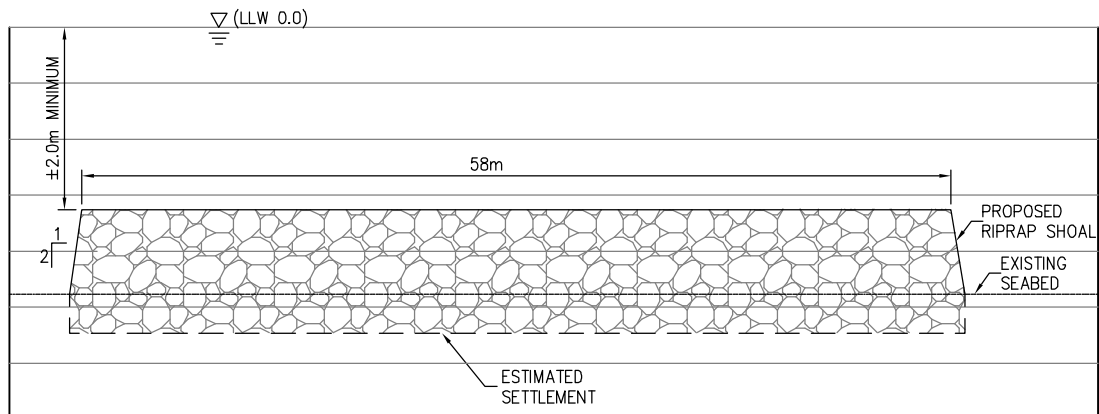
OUTFALL

HABITAT SHOAL

APPLICATION BY:
TMAC RESOURCES, INC.

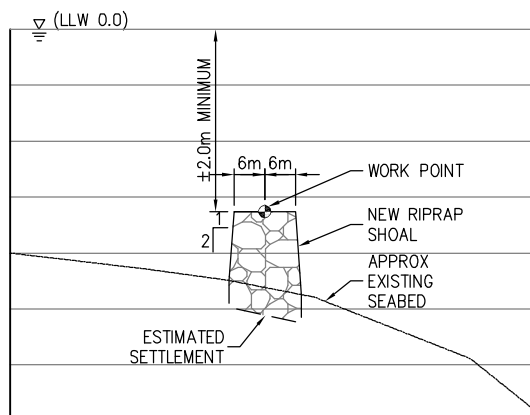
IN: ROBERTS BAY
AT: NUNAVUT, CANADA

SHEET 5 of 6 DATE: NOV. 2013



SECTION A-A

8x VERTICAL EXAGGERATION SHOWN



SECTION B-B

8x VERTICAL EXAGGERATION SHOWN

PROPOSED:
INSTALL OUTFALL

DATUM: 0.0m LLW, LARGE TIDE

OUTFALL HABITAT SHOALS DETAILS

APPLICATION BY:
TMAC RESOURCES, INC.

IN: ROBERTS BAY
AT: NUNAVUT, CANADA

SHEET 6 of 6 DATE: NOV. 2013