

AGNICO EAGLE

Meadowbank Complex

Whale Tail A47-N Sump Design Report

MAY 2022

Table of Content

1. Introduction	3
2. Construction plan.....	3
2.1 Location.....	3
2.2 Geometry	3
2.3 Material.....	3
2.4 Surface Water management	4
3. Schedule.....	4

Appendices

Appendix A - A47-N Sump Construction Design



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1. Introduction

Agnico Eagle Mines Limited – Meadowbank Complex (Agnico Eagle) is developing the Whale Tail Project, a satellite deposit located on the Amaruq property, to continue mine operations and milling at Meadowbank Mine. The Amaruq property is a 408 km² site located on Inuit Owned Land approximately 150 km north of the hamlet of Baker Lake and approximately 50 km northwest of Meadowbank Mine in the Kivalliq Region of Nunavut. The deposit will be mined as an open pit and underground mine, and ore will be hauled to the approved infrastructure at Meadowbank Mine for milling.

As a part of the Water management of the Phase 2 of the IVR pit of the Whale Tail Project, a new sump will be required to capture the water from its watershed. The sump is intended to catch water before it reaches the pit floor or before it overtops the pit ring road. This report describes the sump design information as required by the Water License 2AM-WTP1830 Part D Item 1.

2. Construction plan

2.1 Location

The location of the sump A47-N was chosen to be the most efficient position for collecting the water from the watershed. The sump is located in a low topographic area within the footprint of the former lake A47 that was dewatered as part of the Phase 1 of the Whale Tail Project.

2.2 Geometry

The proposed sump is of rectangular shape and will follow the orientation of the IVR ring road in that sector. The volume for the sump was calculated based on site standards for sump requirements, in accordance with the amount of water pumped from the area in 2021.

Length: 36m

Width: 20m

Depth: 7m

Total volume 5,040 m³

2.3 Material

The sump will need to be blasted within presumed layers of partially frozen lakebed sediments or till, with underlying bedrock. The rubble from the sump excavation will be brought to the Waste Rock Storage Facility (WRSF) to be disposed of according to the Waste Rock Management Plan. A total of 5,040m³ of material will be excavated from the sump. Blast will be monitored in accordance with the Blast Monitoring Program and monitoring results will be reported in the Meadowbank Complex Annual Report.

A layer of 0.5 to 1m thick of fine non-potentially acid generating (NAG) and non-metal leaching run-of-mine rockfill (0-500mm) shall be placed at the bottom and on the slope of the sump to minimize potential lower slope erosion and to improve stability of the slopes. A total of approximately 1500m³ of NAG generating rockfill material is required for that purpose. Rockfill placement requirements shall be adapted to field conditions to the satisfaction of the site geotechnical representative.

2.4 Surface Water management

All water reporting to the sump area during and after the construction of the sump shall be pumped through a system of piping and redirected in the IVR Attenuation Pond. The current report is limited to the sump design. Subsequently, water from the IVR attenuation Pond is to be treated by the site Water Treatment Plant (WTP) before any discharge to the environment as per the Water License requirement.

3. Schedule

The proposed sump is planned to be built in July 2022.

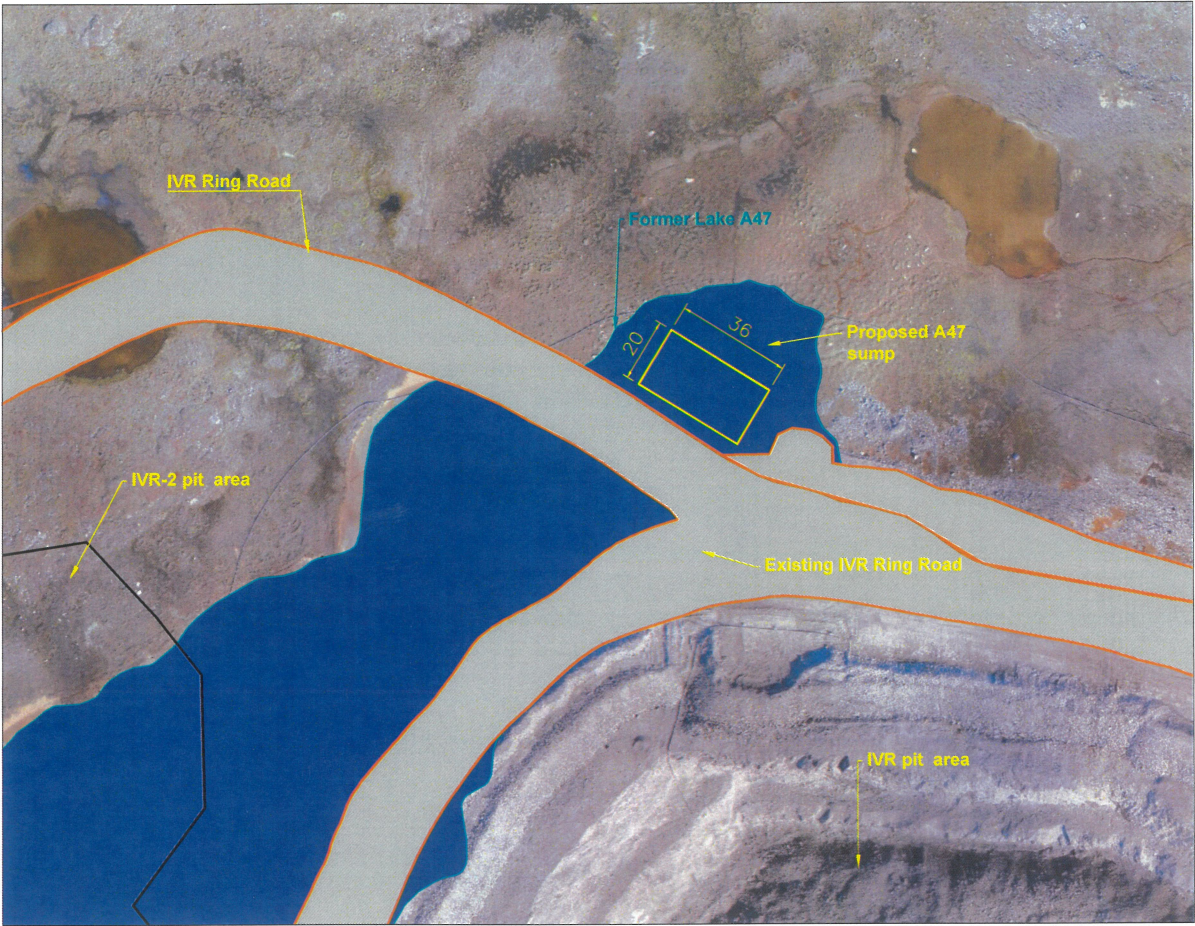
Appendix A

A47-N Sump Construction Design

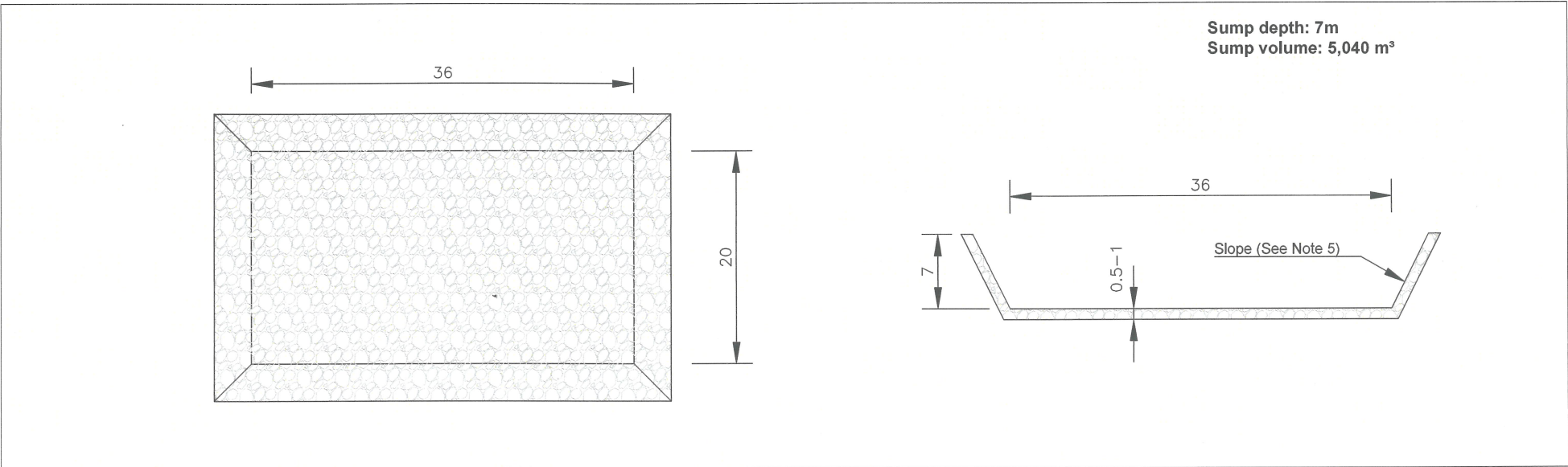
1. GENERAL LOCATION



2. DETAILED LOCATION



3. SUMP DIMENSIONS



KEY PLAN

GENERAL NOTES

1. Work shall be executed in accordance with applicable technical specifications and safety standards
2. Dimensions and coordinates are in meters unless noted otherwise
3. Sump location shall be adjusted to field conditions to the satisfaction of the Geotechnical Representative to ensure proper performance of the sump and stability of nearby slopes & infrastructures
4. Sump should be excavated from the top unless approved otherwise by Geotechnical Representative.
5. Sump sides shall be sloped to the satisfaction of the Geotechnical Representative, based on field conditions. Stability to be assessed on a daily basis during construction & periodically during operation.
6. No personnel nor equipment shall access the bottom of the sump unless approved by Geotechnical Representative.
7. Pump & piping system by others

LEGEND

RUN-OF-MINE ROCKFILL 0-500 MM (NAG)

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TITLE	# DWG

REFERENCE DRAWINGS

REV.	DATE	DESCRIPTION	BY	APP.	CLIENT

AGNICO EAGLE
MEADOWBANK

TITLE
AGNICO-EAGLE — MEADOWBANK DIVISION
WHALE TAIL PROJECT — IVR PIT
DEWATERING
PLAN VIEW, LOCATION & DIMENSIONS
A47-N SUMP

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L. COLLETTE	2022-05-13

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SCALE	DATE
N.T.S.	2022-05-17

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PROJECT NO.	REVISION	SHEET
N.A.	00	1 / 1