AGNICO EAGLE
HOPE BAY

June 7, 2022

Ali Shaikh
Technical Advisor
Nunavut Water Board
P.O. Box 119
Gjoa Haven, NU,
X0B 1J0

Sent via Email: ali.shaikh@nwb-oen.ca

Re: Water License 2AM-DOH1335 – Conditions Applying to Construction and Operation – Construction of Pad for Water Treatment Plant

Dear Mr. Shaikh,

This letter represents Agnico Eagle Mines (**Agnico**) written notification to the Nunavut Water Board (**NWB**) regarding the planned construction of a pad for a future water treatment plant at the Hope Bay Project. This notification is being provided to the NWB prior to commencement of work, as required under the Type A Water License 2AM-DOH1335 Part D Item 1. The accompanying design report, along with final design and Issue for Construction (IFC) drawings are provided in Attachment 1.

Should you have any questions please feel free to contact me at nancy.harvey@agnicoeagle.com

Sincerely,

Nancy Duquet Harvey
Environmental Superintendent - Agnico Eagle Mines Limited - Hope Bay Mine

Cc:
Licencing (NWB)

Attachments
Design Report - Pad for Water Treatment Plant

AGNICO EAGLE
Hope Bay

Design Report
Pad for Water Treatment Plant

6205-693-132-REP-001

In Accordance with Licence 2AM DOH 1335, Part D, item 1

Prepared by:

Agnico Eagle Mines Limited – Hope Bay Division

DOCUMENT CONTROL

Version	Date (YMD)	Section	Page	Revision
R0	2022-06-06			Design report

Prepared By:

2022-06-06

Thomas Genty
Water Treatment Eng.
NAPEG L4751

Sylvain Guay

Signature numérique de Sylvain Guay
Date : 2022.06.06 10:06:55 -04'00'

Sylvain Guay
Civil Engineering Lead
OIQ 110026

Signature numérique de Tony Morin
Date : 2022.06.06 08:32:58 -04'00'

Tony Morin
Engineering Lead

Approved by:

Guy Dufour, on behalf of

Nancy Duquet Harvey
Environment Superintendent
.

TABLE OF CONTENTS

LIST OF APPENDICES

1 INTRODUCTION

1.1 SITE LOCATION AND ACCESS

The Doris Project is a gold mining and milling undertaking of Agnico Eagle. The Project is located 705 km northeast of Yellowknife and 153 km southwest of Cambridge Bay in Nunavut Territory and is situated east of Bathurst Inlet. Agnico Eagle (formally TMAC) is currently operating the Doris Project under an existing water license.

1.2 SITE FACILITIES

The current mine plan focuses on the development of the Doris gold deposit which is mined using underground mining operations. Current mining facilities to support the Mine include a camp for accommodations, tailings storage facility, rock storage facilities, ore pads, process plant, power plant, maintenance facilities, water management treatment plants and supporting water management infrastructure.

1.3 PURPOSE OF DOCUMENT

This report includes the design for the Pad of a future water treatment plant. The design of the water treatment process and associated building will be submitted later in another design report for approval and is not part of this report.

1.4 DESIGN RATIONALE, REQUIREMENTS, CRITERIA AND PARAMETERS

The rationale for the construction of this Pad is to prepare foundation of a future water treatment plant.

The design rationales are the following:

- Have a stable pad allowing construction of the future water treatment plant
- Minimize impact on the tundra and permafrost by constructing the pad on an outcrop area.

1.5 WATER MANAGEMENT STRATEGY

The contact water from the tailing impoundment area (TIA) will be treated for total suspended solid removal within a future water treatment plant, and discharged according to the current licences/permit requirements to the Roberts Bay using the existing discharge station and diffusor. The purpose of this report is to describe the design of the pad only which will support the future water treatment process.

2 DESCRIPTION

2.1 PAD DESCRIPTION

The new pad for the future water treatment plant will occupy 4080 m^2 (80 m x 51 m). The existing pumping stations in TIA and the reclaim station to the mill will be repositioned also on a pad (24 m x 19 m) close to the water treatment plant pad.

Run off on material used for construction will be contained within the TIA watershed.

2.2 LOCALIZATION

The Pad is located in the TIA watershed close to the north dike. Appendix A show its proposed location of the new pad.

3 CONSTRUCTION METHODS

3.1 CONSTRUCTION METHOD AND EQUIPMENT

At the location of the pad, the outcrop will be drill and blast and material generated will be used for the pad construction.

Equipment used will access the pad location through an access road as presented in Appendix B. The design of the pad is also presented in Appendix B.

4.2 QUALITY CONTROL/ASSURANCE

A record of as-built drawings will be produced.

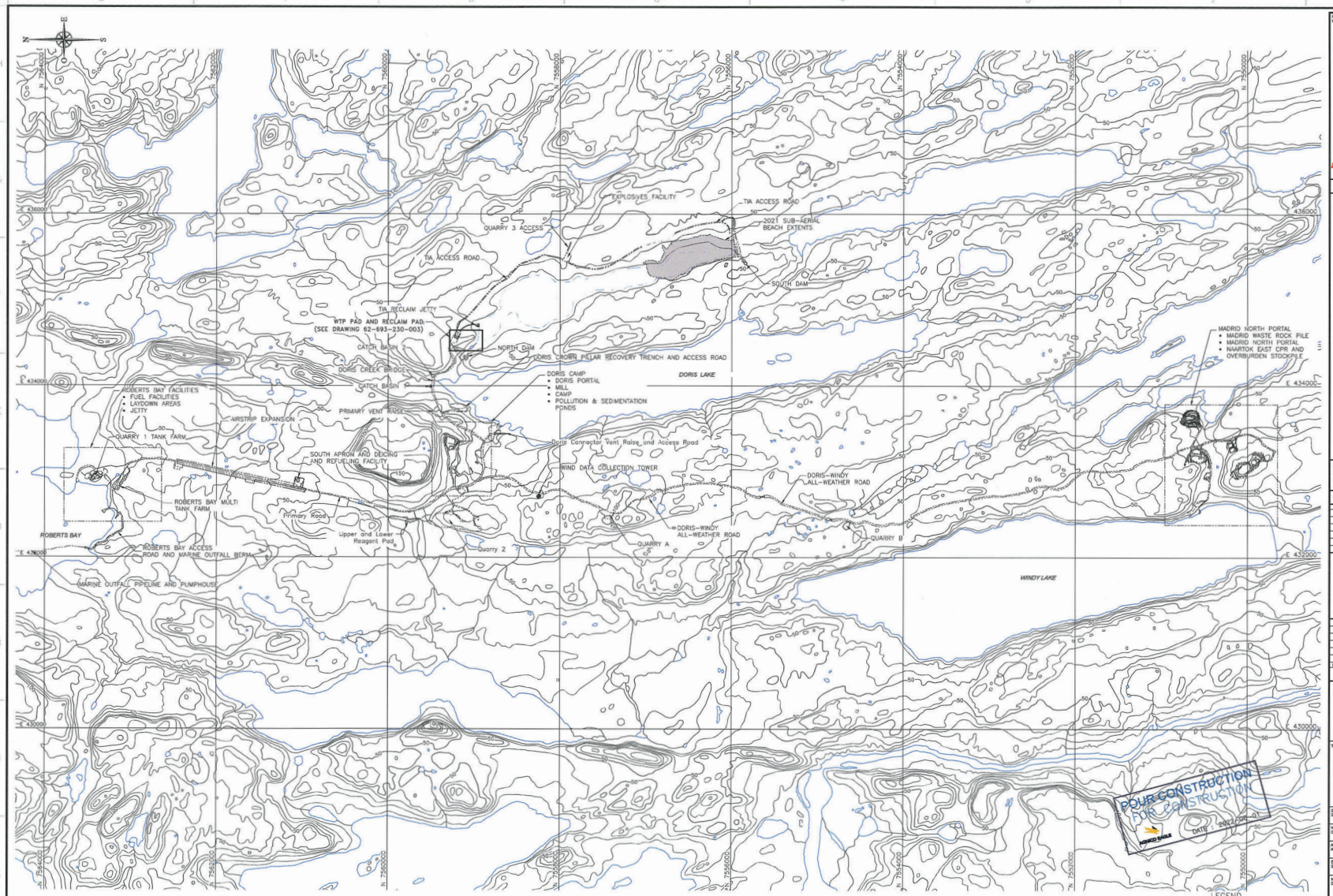
4.3 TIMELINE

The expected date of construction start is to be the beginning of August 2022.

Appendix A: General Location

NO. DESIGN DRAWING NO. 62-693-230-002_R0

FORMAT ARCH D



PLAN CLE
KEY PLAN

KEYPLAN
ECH: N.T.S.

srk consulting

NOTES GÉNÉRALES / GENERAL NOTES

NOTES

1. ALL UNITS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
2. CONTOURS SHOWN AT 10m INTERVAL.
3. ALL DRAWINGS ARE SCALED APPROPRIATELY FOR D-SIZE CONSTRUCTION DRAWINGS. THESE DRAWINGS CAN THEREFORE BE PLOTTED AT HALF SIZE TO FIT D-SIZE. SCALES MAY NOT BE CORRECT IF THESE DRAWINGS ARE REPRODUCED AND PRESENTED IN ANY OTHER FORMAT.
4. ALL DRAWINGS SHOULD BE READ AND INTERPRETED IN CONJUNCTION WITH THE LATEST EARTHWORKS TECHNICAL SPECIFICATIONS DOCUMENT ("TECHNICAL SPECIFICATIONS – EARTHWORKS AND GEOTECHNICAL ENGINEERING – HOPE BAY PROJECT, NUNAVUT CANADA – ISSUE FOR CONSTRUCTION" PREPARED BY SRK). IF CONTRADICTIONS ARE IDENTIFIED, THE ON-SITE ENGINEERING REPRESENTATIVE SHOULD BE CONSULTED TO DETERMINE THE CORRECT SPECIFICATION.
5. NOTES OR SPECIFICATIONS ON ANY OF THE DRAWINGS APPLY TO ALL CURRENT DRAWINGS IN THIS DRAWING SET.

REFERENCES

1. COORDINATE SYSTEM IS UTM ZONE 13, NAD83.
2. TOPOGRAPHIC CONTOUR DATA FROM THE TERRAIN MODEL WAS PROVIDED BY AGNICO EAGLE.

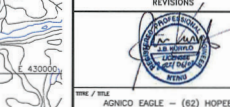
DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TYPE / TITLE	# DWG
SITE PLAN	62-693-230-003
SITE PLAN	62-693-230-004

AGNICO EAGLE

REV.	DATE	DESCRIPTION	PAR/PRÉ APP.	CLIENT
0	2022-06-01	ISSUED FOR CONSTRUCTION	PL	JK	SG

REVISIONS



TYPE / TITLE

AGNICO EAGLE – (62) HOPEBAY
693 – WATER TREATMENT PLAN
230 – GENERAL EARTHWORKS
GENERAL ARRANGEMENT
WTP AND RECLAIM PADS
SITE OVERVIEW

DESSINÉ PAR / DRAWN BY	RACHELLE NADON	DATE 22-06-01
VÉRIFIÉ PAR / CHECKED BY	PETER LUEDKE	22-06-01
APPROUVÉ PAR / APPROVED BY	JOHN KURYLO	22-06-01
ÉCHELLE / SCALE	1:20,000	DATE 2022-06-01

NO. DESSIN / DRAWING NO. 62-693-230-002

NO. PROJET / PROJECT NO.	REVISION	FEUILLE / SHT
SRK: CAPR001862 6205	0	1 / 1

FOR CONSTRUCTION
DATE 2022-06-01

LEGEND
CONTOURS
EXISTING INFRASTRUCTURE
WATERBODY

AC-DART-ARCH D

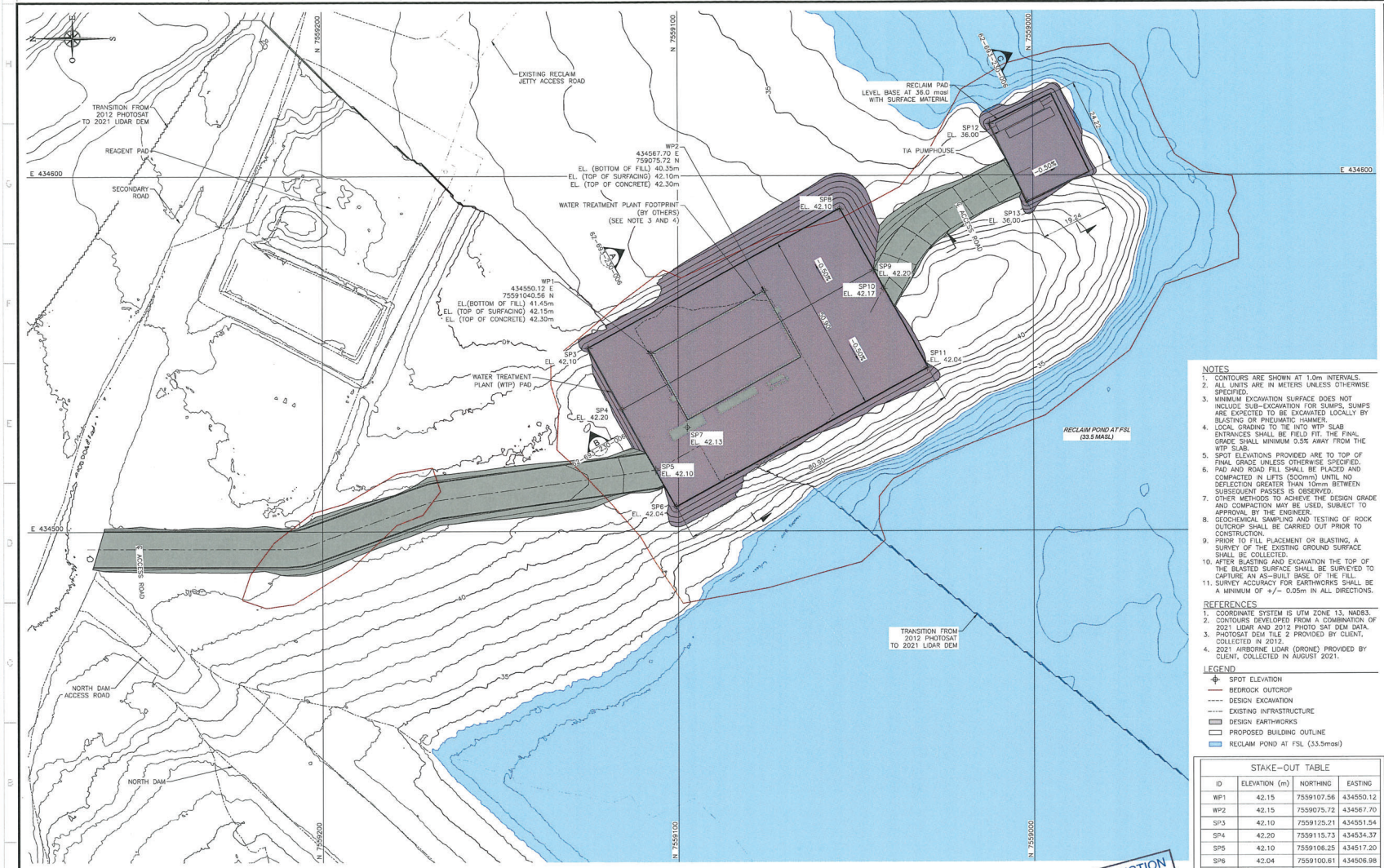
C:\Users\rnadon\SRK Consulting\VF5208 Hope Bay (Doris North, Boston, Madrid) – MOAT\WR\WTP and Reclaim Jetty Design\62-693-230-002_R0.dwg-2013-02-19 14:03:29

FILE NO. 62-693-230-002_R0.dwg

Appendix B: Pad Drawing

NO. DESSIN
DRAWING NO. 62-693-230-003-3_R0

FORMAT ARCH D



NOTES

1. CONTOURS ARE SHOWN AT 1.0m INTERVALS.
2. ALL UNITS ARE IN METERS UNLESS OTHERWISE SPECIFIED.
3. MINIMUM EXCAVATION SURFACE DOES NOT INCLUDE SUB-EXCAVATION FOR SUMPS. SUMPS ARE EXPECTED TO BE EXCAVATED LOCALLY BY BLASTING OR PNEUMATIC HAMMER.
4. LOCAL GRADING TO TIE INTO WTP SLAB ENTRANCES SHALL BE FIELD FIT. THE FINAL GRADE SHALL MINIMUM 0.5% AWAY FROM THE WTP SLAB.
5. SPOT ELEVATIONS PROVIDED ARE TO TOP OF FINAL GRADE UNLESS OTHERWISE SPECIFIED.
6. PAD AND ROAD FILL SHALL BE PLACED AND COMPACTED IN LIFTS (500mm) UNTIL NO DEFLECTION GREATER THAN 10mm BETWEEN SUBSEQUENT PASSES IS OBSERVED.
7. OTHER METHODS TO ACHIEVE THE DESIGN GRADE AND COMPACTION MAY BE USED, SUBJECT TO APPROVAL BY THE ENGINEER.
8. GEOCHEMICAL SAMPLING AND TESTING OF ROCK OUTCROP SHALL BE CARRIED OUT PRIOR TO CONSTRUCTION.
9. PRIOR TO FILL PLACEMENT OR BLASTING, A SURVEY OF THE EXISTING GROUND SURFACE SHALL BE COLLECTED.
10. AFTER BLASTING AND EXCAVATION THE TOP OF THE BLASTED SURFACE SHALL BE SURVEYED TO CAPTURE AN AS-BUILT BASE OF THE FILL.
11. SURVEY ACCURACY FOR EARTHWORKS SHALL BE A MINIMUM OF +/- 0.05m IN ALL DIRECTIONS.

REFERENCES

1. COORDINATE SYSTEM IS UTM ZONE 13, NAD83.
2. CONTOURS DEVELOPED FROM A COMBINATION OF 2021 LIDAR AND 2012 PHOTO SAT DEM DATA.
3. PHOTOSAT DEM TILE 2 PROVIDED BY CLIENT, COLLECTED IN 2012.
4. 2021 AIRBORNE LIDAR (DRONE) PROVIDED BY CLIENT, COLLECTED IN AUGUST 2021.

LEGEND

- SPOT ELEVATION
- BEDROCK OUTCROP
- DESIGN EXCAVATION
- EXISTING INFRASTRUCTURE
- DESIGN EARTHWORKS
- PROPOSED BUILDING OUTLINE
- RECLAIM POND AT FSL (33.5masl)

STAKE-OUT TABLE

ID	ELEVATION (m)	NORTHING	EASTING
WP1	42.15	7559107.56	434550.12
WP2	42.15	7559075.72	434567.70
SP3	42.10	7559125.21	434551.54
SP4	42.20	7559115.73	434534.37
SP5	42.10	7559106.25	434517.20
SP6	42.04	7559100.61	434506.98
SP7	42.13	7559097.42	434529.24
SP8	42.10	7559054.38	434590.63
SP9	42.20	7559044.91	434573.47
SP10	42.17	7559042.04	434568.28
SP11	42.04	7559029.78	434546.07
SP12	36.00	7559012.18	434614.45
SP13	36.00	7559001.67	434592.65

POUR CONSTRUCTION
FOR CONSTRUCTION
AGNICO EAGLE
DATE : 2022-06-01

PLAN CLÉ
KEY PLAN

srk consulting

NOTES GÉNÉRALES / GENERAL NOTES

DESSINS EN RÉFÉRENCE / REFERENCE DRAWINGS

TITRE / TITLE	# DWG
GENERAL ARRANGEMENT	62-693-230-002
SECTIONS	62-693-230-006

AGNICO EAGLE

REV.	DATE	DESCRIPTION	PRÉP./DR.	APP.	CLIENT
0	2022-06-01	ISSUED FOR CONSTRUCTION	PL	JK	SD

REVISIONS

TITRE / TITLE
AGNICO EAGLE – (62) HOPEBAY
693 – WATER TREATMENT PLAN
230 – GENERAL EARTHWORKS
SITE PLAN
WTP AND RECLAIM PADS

DESSINÉ PAR DRAWN BY	RACHELLE NADON	DATE 22-06-01
VÉRIFIÉ PAR CHECKED BY	PETER LUEDKE	22-06-01
APPROUVÉ PAR APPROVED BY	JOHN KURYLO	22-06-01
ÉCHELLE SCALE	1:500	DATE 2022-06-01

NO. DESSIN DRAWING NO. 62-693-230-003

NO. PROJET PROJECT NO. 6205 | SRK: CAPR001862 | REVISION 0 | FEUILLE / SHT 1/1

AE-GART-ARCH D

C:\Users\rnadon\SRK Consulting\VS2008 Hope Bay (Doris North, Boston, Madrid) - ACAD\VER\WTP and Reclaim Jetty Design\62-693-230-003-3_R0.dwg-2013-02-19 14:03:09

FILE NO. 62-693-230-003-3_R0.dwg