Mardy Semmler

From: Mardy Semmler

Sent: August 17, 2018 12:00 PM

To: 'sao@tuktoyaktuk.ca'; 'Lanteigne, Michel'

Cc: Bijaya Adhikari; 'Lloyd Gruben'

Subject: Tuk Lagoon Modification - IWB acceptance letter **Attachments:** 2017-02-02 swdf modifications accept.pdf

Good Morning Duncan and Michel

Thank you for providing the IWB with the engineered drawings for the Tuk Lagoon modifications. Attached is the IWB approval letter issued on February 2, 2017 for the proposed modifications, including the truck dumping station and dyke.

Please provide the IWB with the as built drawings once completed.

I have copied Lloyd Gruben, ENR Water Resources Officer/Inspector, on this email. As long as he has no issues with the project proceeding, the IWB has no issues.

In future, please contact the Inspector at minimum 10 days in advance of any activities and/or modifications as per Terms and Conditions of water licence.

Thank you again

Mardy

Mardy Semmler Executive Director Inuvialuit Water Board Ph: 867-678-8609

Fax: 867-678-2943

From: Bijaya Adhikari

Sent: August 17, 2018 11:49 AM

To: Mardy Semmler < semmlerm@inuvwb.ca>

Subject: Tuk lagoon modification - board acceptance letter

Mardy: Attached Tuk lagoon modification Board acceptance letter.

Bijaya

Bijaya Adhikari, PhD Science and Regulatory Coordinator Inuvialuit Water Board P.O. Box 2531, Inuvik, NT X0E 0T0

Tel: (867) 678-8610 Fax: (867) 678-2943

Email: <u>adhikarib@inuvwb.ca</u> Website: <u>www.inuvwb.ca</u>

Mardy Semmler

From: Duncan Walker <sao@tuktoyaktuk.ca>

Sent: August 17, 2018 11:48 AM

To: Mardy Semmler

Cc: 'Lanteigne, Michel'; Davy Krengnektak

Subject: Emergency repairs to Tuktoyaktuk Sewage Lagoon

Good morning Mardy,

The Hamlet requires emergency repairs to our sewage lagoon. We have contracted AECOM to assist with this process. I have copied Michel Lanteigne on this email and he will be in contact with you to provide the drawings or any other technical information required.

Please let me know what else maybe required of the Hamlet. Thank you for your time and any information.

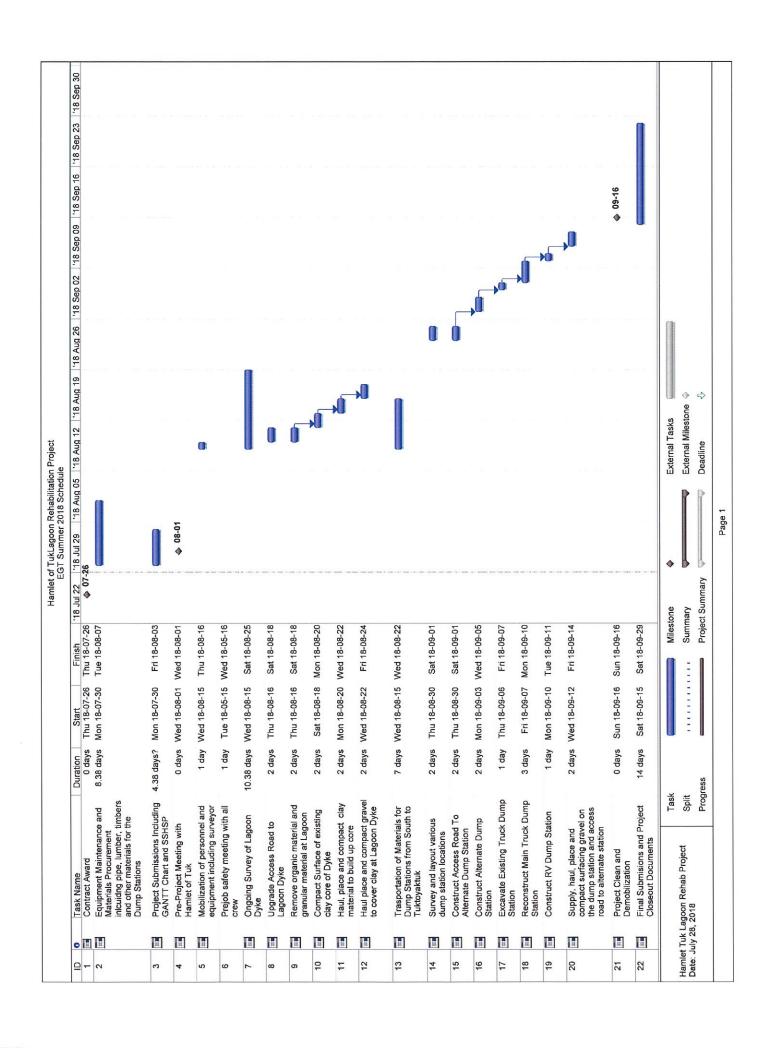
Regards,

Duncan Walker Senior Administrative Officer Hamlet of Tuktoyaktuk Box 120, NT, X0E 1C0 Phone: 867-977-2286

Phone: 867-977-2286 Fax: 867-977-2110

sao@tuktoyaktuk.ca

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Bijaya Adhikari

From:

Lanteigne, Michel < Michel.Lanteigne@aecom.com>

Sent:

August 17, 2018 9:33 AM

To:

Bijaya Adhikari

Cc:

Thibault, Rene; Duncan Walker; Mardy Semmler

Subject:

Tuk Lagoon Upgrade

Attachments:

60568807_2018-06-26_IFT.pdf

Bijaya

Attached are engineered drawings for upgrades of the Tuk lagoon.

The work involves raising the lagoon dyke which has settled from permafrost degradation and reconstruction of the truck dump station, which will include a new RV dump station.

E. Gruben's Transport Ltd is the contractor on the project. They plan to start preparing the site during the weekend. Rene from AECOM (in CC) will be on site Wednesday or Thursday of this coming week.

Regards

Michel Lanteigne, M.Eng., P.Eng. Manager, Northwest Territories D (867) 873-6316 ext 22; C: (867) 444-1927 michel.lanteigne@aecom.com

AECOM

3rd Floor GoGa Cho Building, 4916 - 47 Street P.O. Box 1259 Yellowknife, NT X1A 2N9 CANADA T: (867) 873-6316 F: (867) 873-6407 www.aecom.com

HAMLET OF TUKTOYAKTUK

DRAWING LIST

C-0000 COVER SHEET AND DRAWING LIST
C-1000 OVERALL PLAN - INDEX AND TOPOGRAPHY
C-1001 SITE PLAN

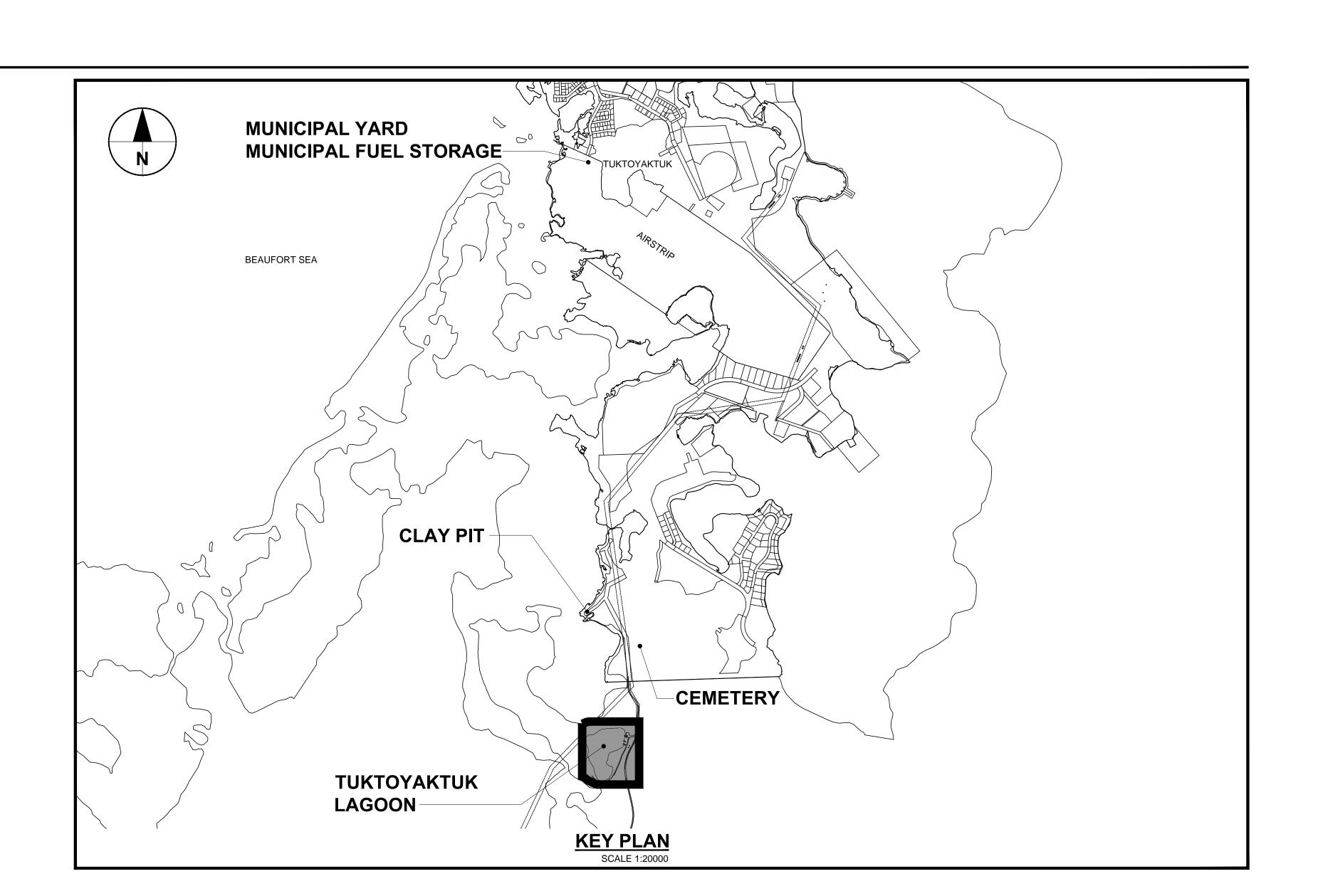
C-1100 PLAN AND PROFILE - DYKE - STATION 1+000 TO 1+200
C-1101 PLAN AND PROFILE - ACCESS ROAD AND RV DUMP STATION ACCESS

C-3000 SECTIONS (SHEET 1 OF 2)

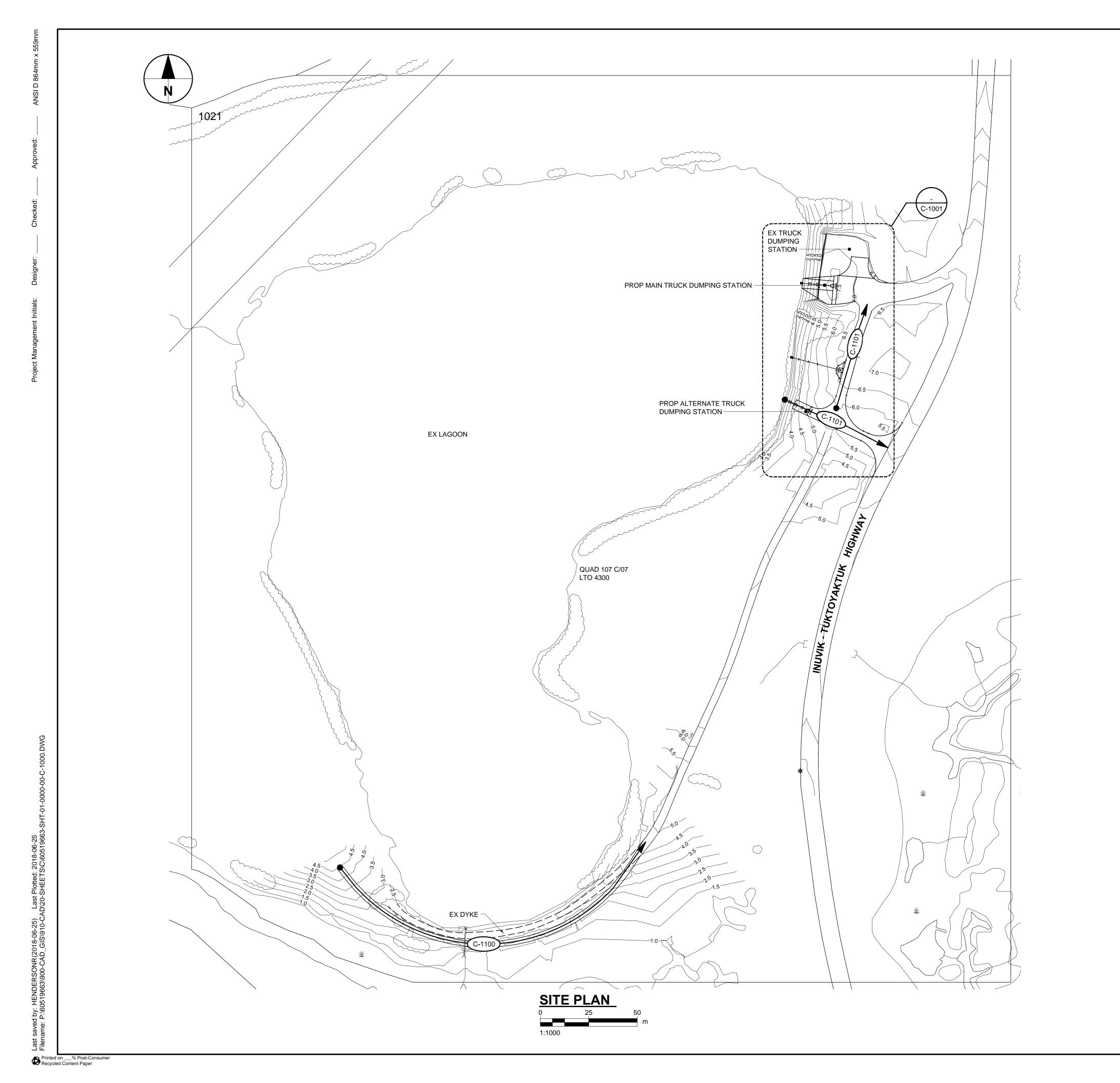
C-3001 SECTIONS (SHEET 2 OF 2)
C-4000 DETAILS

C-4000 DETAILS

C-4001 SEWAGE LAGOON DUMPING CHUTE DETAILS



HAMLET OF TUKTOYAKTUI LAGOON REHABILITATION



GENERAL NOTES:

- 1. ALL DIMENSIONS AND ELEVATIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- 2. CONTOURS DERIVED FROM DEC 2016 SURVEY AND ARE SHOWN IN 0.5 m INTERVALS.
- 3. ALL ELEVATIONS TO FINISHED GRADE UNLESS INDICATED OTHERWISE.

AECOM

PROJECT

TUKTOYAKTUK LAGOON REHABILITATION

CLIENT

HAMLET OF TUKTOYAKTUK

CONSULTANT

AECOM

101, 18817 - STONY PLAIN ROAD NW EDMONTON AB T5S 0C2 780.486.7000 tel 780.486.7070 fax www.aecom.com



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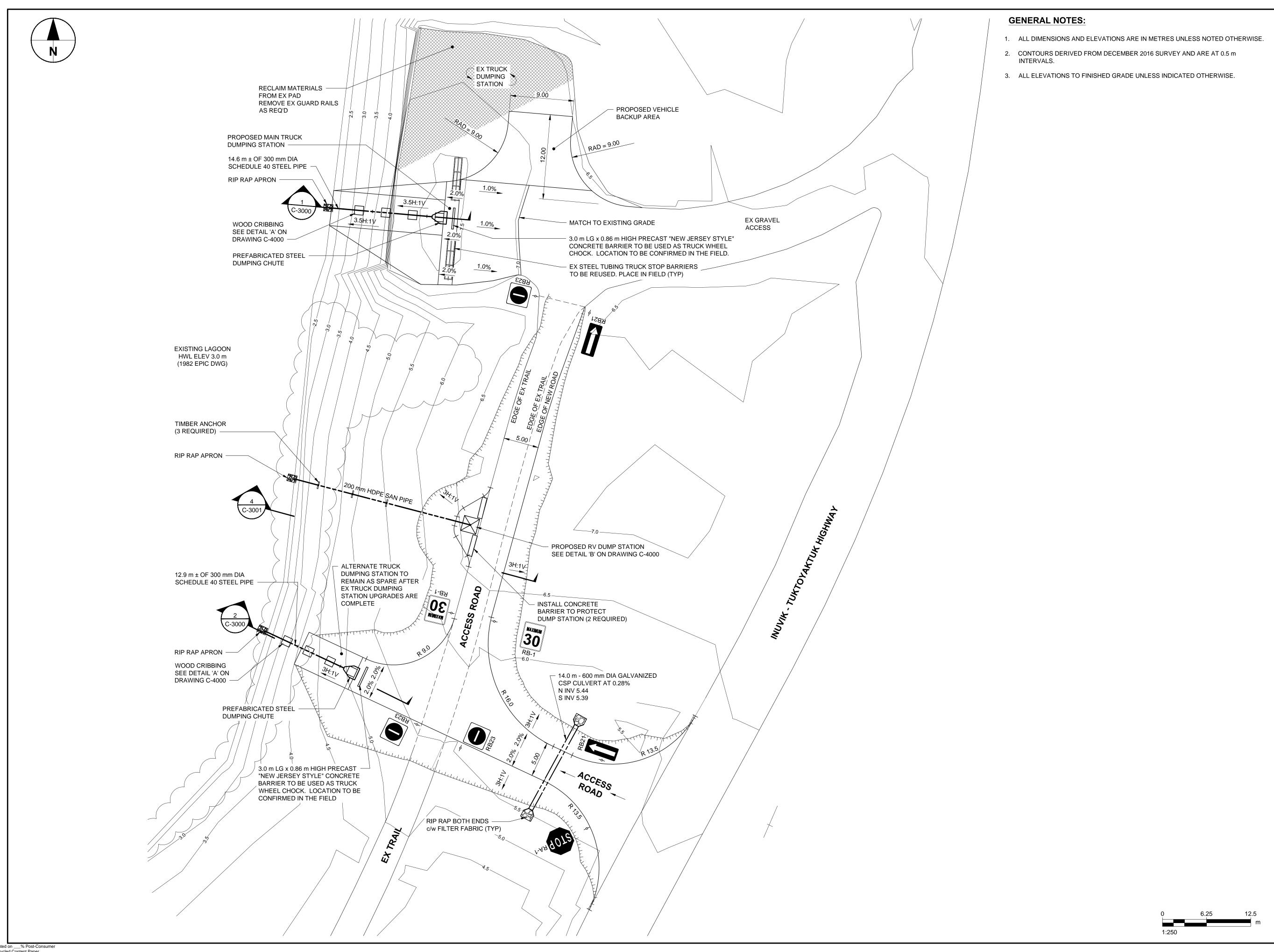
60568807

SHEET TITLE

OVERALL PLAN
INDEX AND TOPOGRAPHY

SHEET NUMBER

C-1000



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TUKTOYAKTUK LAGOON REHABILITATION

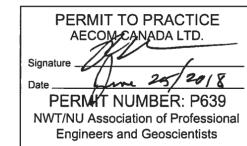
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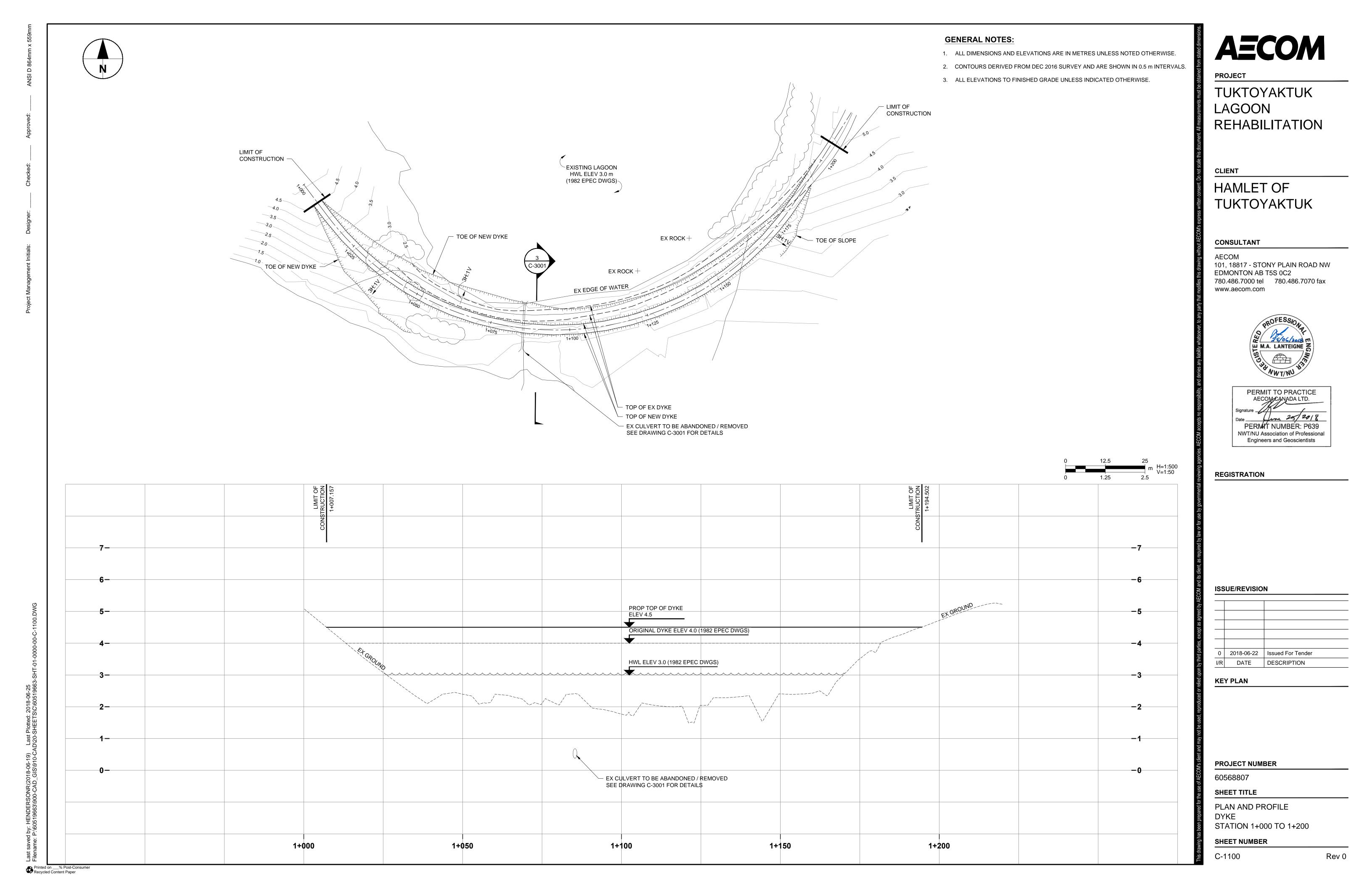
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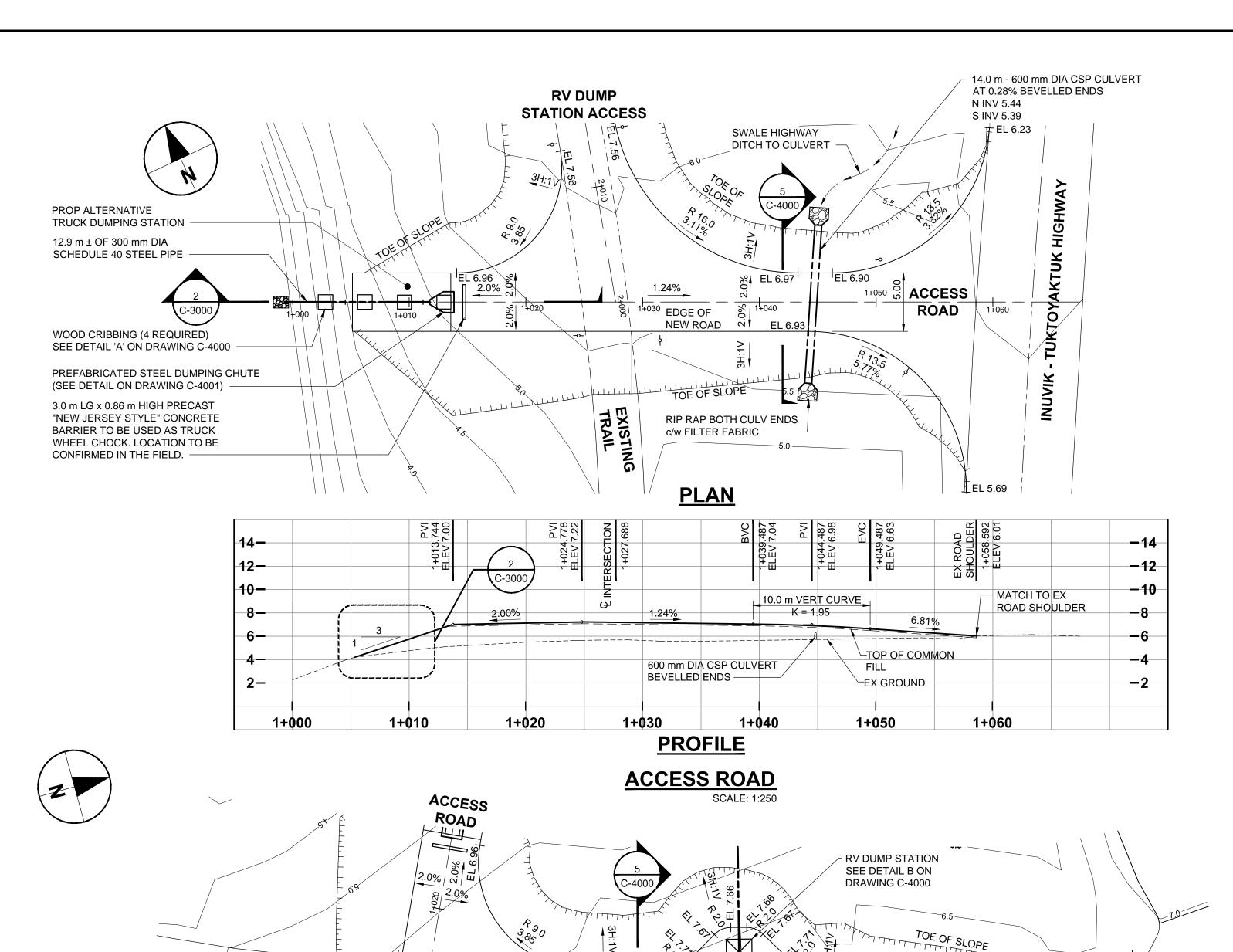
SITE PLAN

SHEET NUMBER

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C-1001





EL 7.56, N

LEDGE OF

GRADE SHOULDER TO PROVIDE

2+010

DRAINAGE AWAY FROM BARRIERS

EXISTING TRAIL

5.0 m VERTICAL CURVE

2+020

K = 1.58

EX TRAIL

14-

12-

2+000

GENERAL NOTES:

- 1. ALL DIMENSIONS AND ELEVATIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- 2. CONTOURS DERIVED FROM DEC 2016 SURVEY AND ARE SHOWN IN 0.5 m INTERVALS.
- 3. ALL ELEVATIONS TO FINISHED GRADE UNLESS INDICATED OTHERWISE.
- 4. ALL DIMENSIONS SHOWN THUS XXX± SHALL REQUIRE CONSULTANT APPROVAL.

CONSTRUCTION NOTES:

- 1. ALL FASTENING BOLTS, WASHERS AND NUTS SHALL BE 304 STAINLESS STEEL OR APPROVED EQUAL.
- 2. ALL ANCHOR BOLTS SHALL BE HEX HEAD TYPE. BOLTS AND WASHERS SHALL BE ZINC PLATED.

AECOM

PROJECT

TUKTOYAKTUK LAGOON REHABILITATION

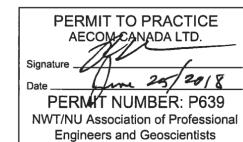
CLIENT

HAMLET OF TUKTOYAKTUK

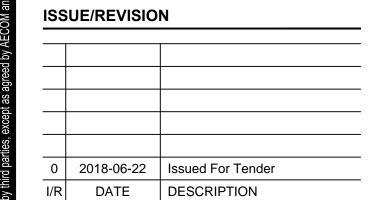
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REGISTRATION



KEY PLAN

PROJECT NUMBER

60568807

SHEET TITLE

PLAN AND PROFILE ACCESS ROAD AND **RV DUMP STATION ACCESS**

SHEET NUMBER

C-1101

RV DUMP STATION ACCESS

2+030

PROFILE

RV DUMP

STATION ACCESS

INSTALL PRECAST CONCRETE BARRIER NEW JERSEY STYLE TO PROTECT DUMP STATION

5.0 m VERTICAL CURVE

K = 1.13

TOP OF COMMON

─EX GROUND

2+040

(2 REQUIRED)

- EDGE OF **NEW ROAD**

PLAN

TOE OF SLOPE

4.42%

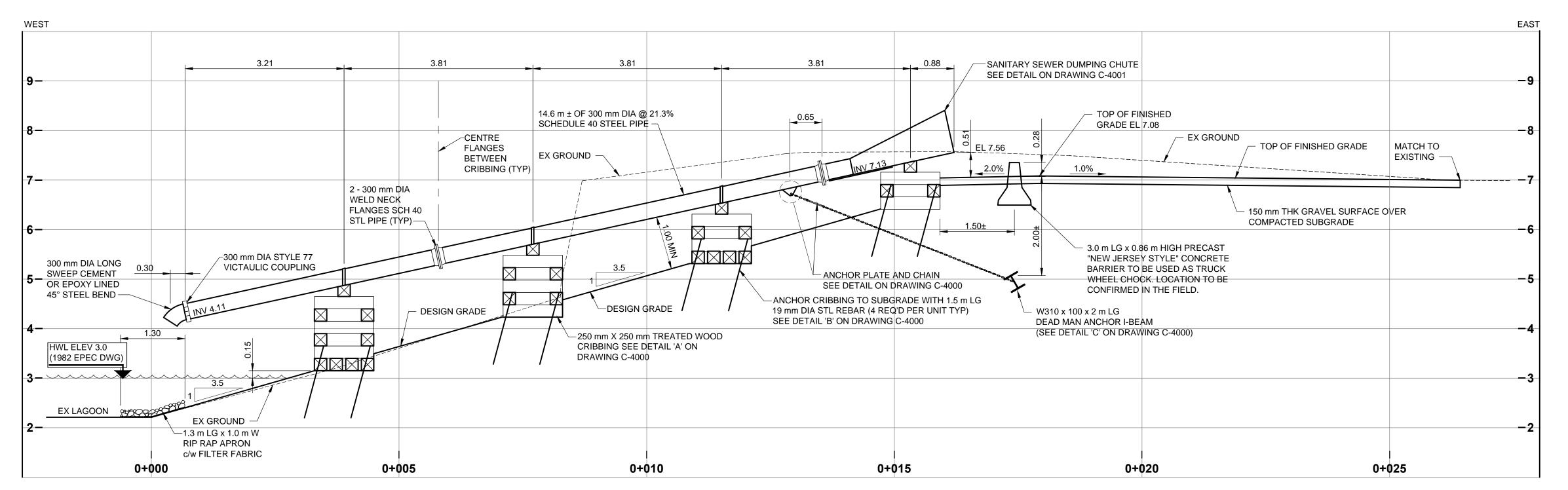
2+060

2+050

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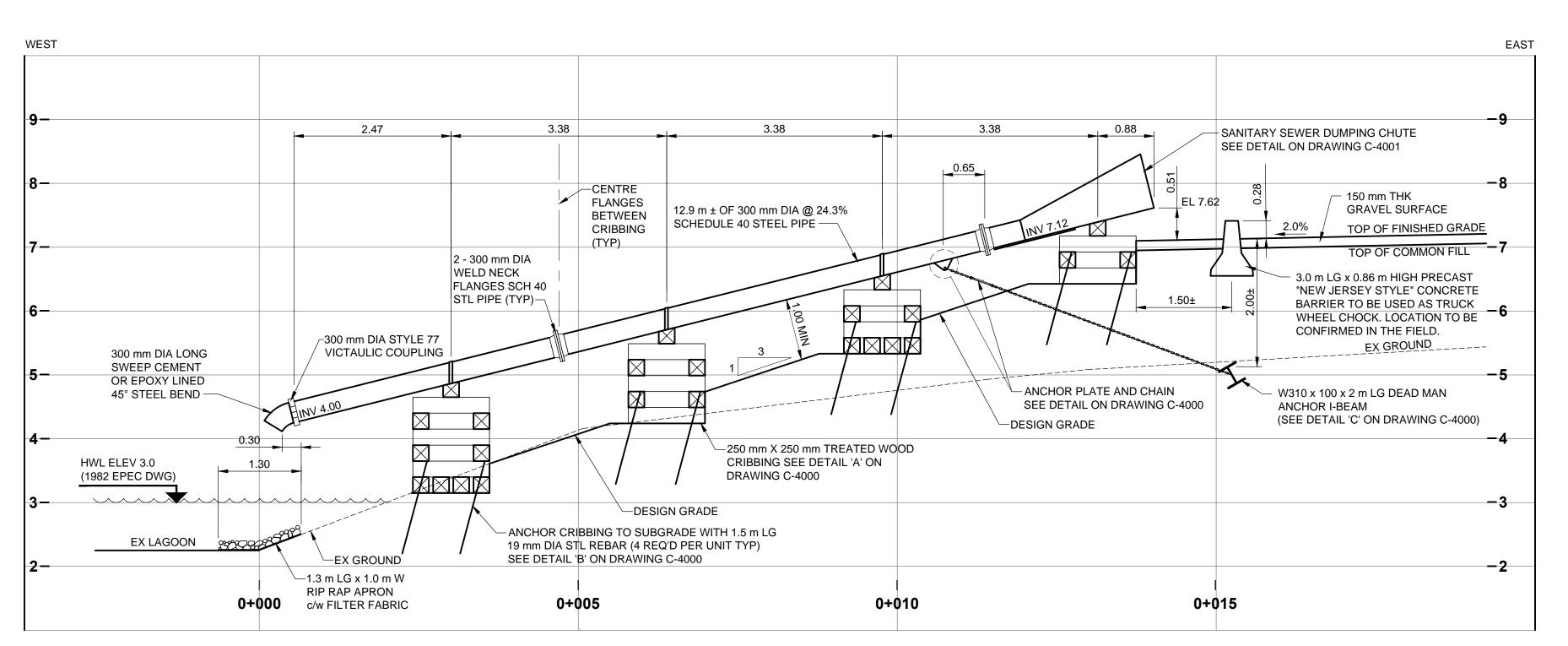
GENERAL NOTES:

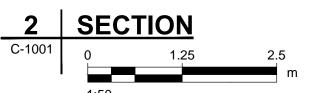
ALL DIMENSIONS AND ELEVATIONS ARE IN METRES UNLESS NOTED OTHERWISE.



1 SECTION C-1001 0 1.25 2.5

MAIN DUMPING STATION





ALTERNATE DUMPING STATION

AECON

PROJE

TUKTOYAKTUK LAGOON REHABILITATION

CLIENT

HAMLET OF TUKTOYAKTUK

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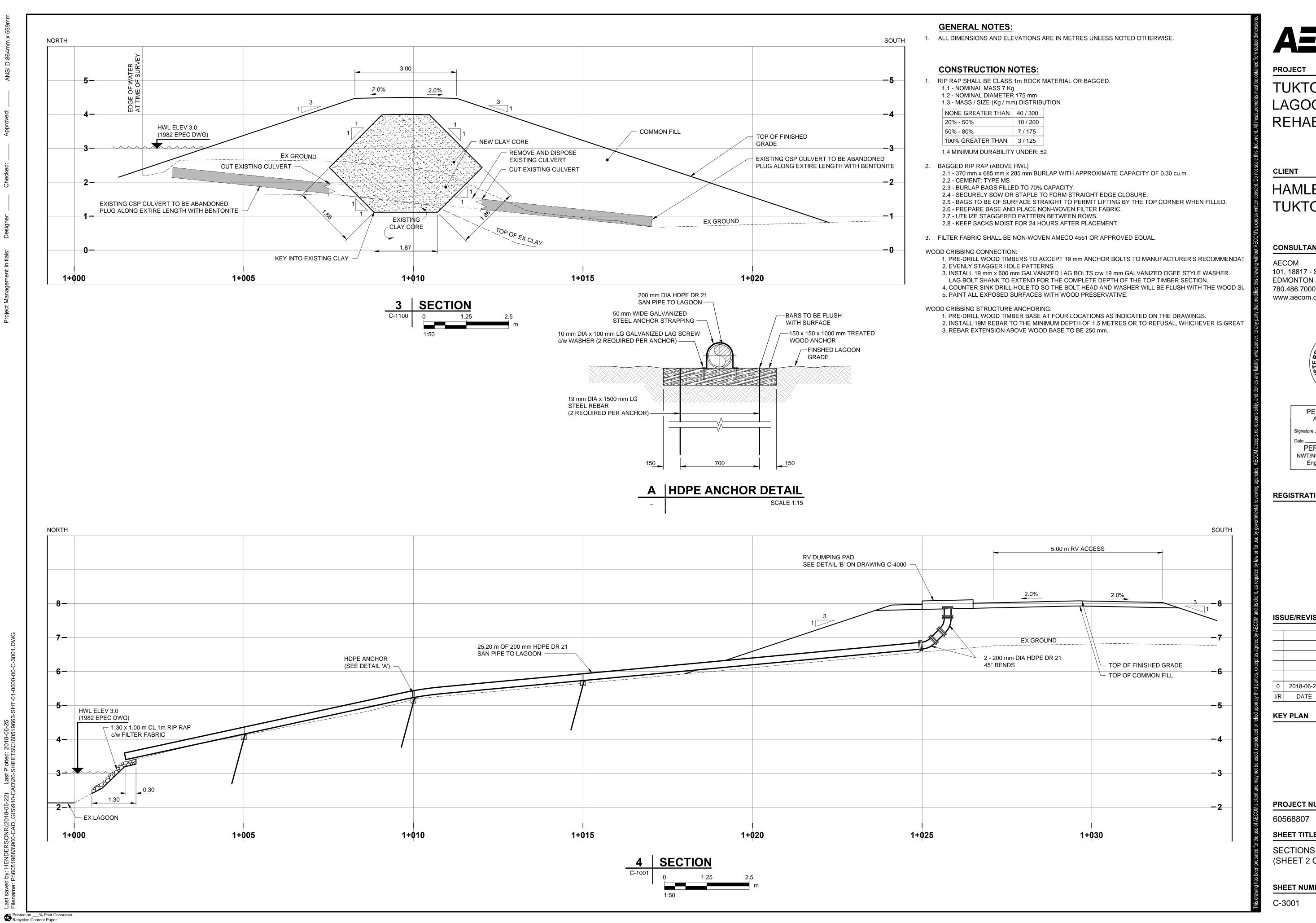
SECTIONS (SHEET 1 OF 2)

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C-3000

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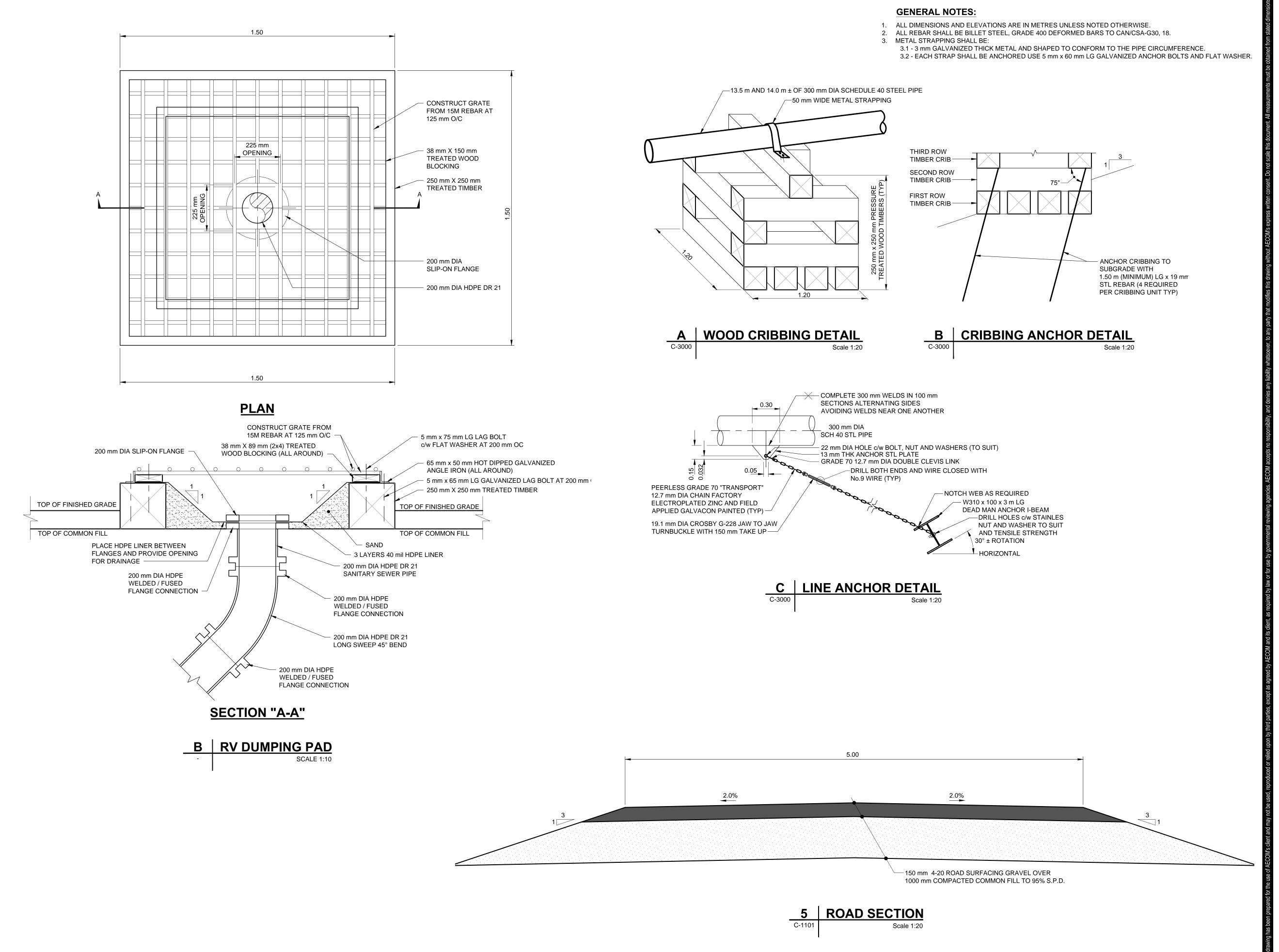
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SECTIONS (SHEET 2 OF 2)

SHEET NUMBER

C-3001



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60568807

SHEET TITLE

DETAILS

SHEET NUMBER

C-4000

300 mm DIA SCH 40 STL PIPE

300 mm DIA WELD NECK FLANGE

300 mm DIA WELD NECK FLANGE

0.50 m OF 300 mm DIA SCH 40 STL PIPE

WELDED BOTTOM SIDE DUMPING CHUTE -

TOP EDGE OF CHUTE -

0.10

HSS 25 mm x 25 mm x 1.30 m LG

PIPE CONSTRUCTION

CHUTE

CONSTRUCTION

-LIFT HANDLE (2 REQUIRED)

0.10

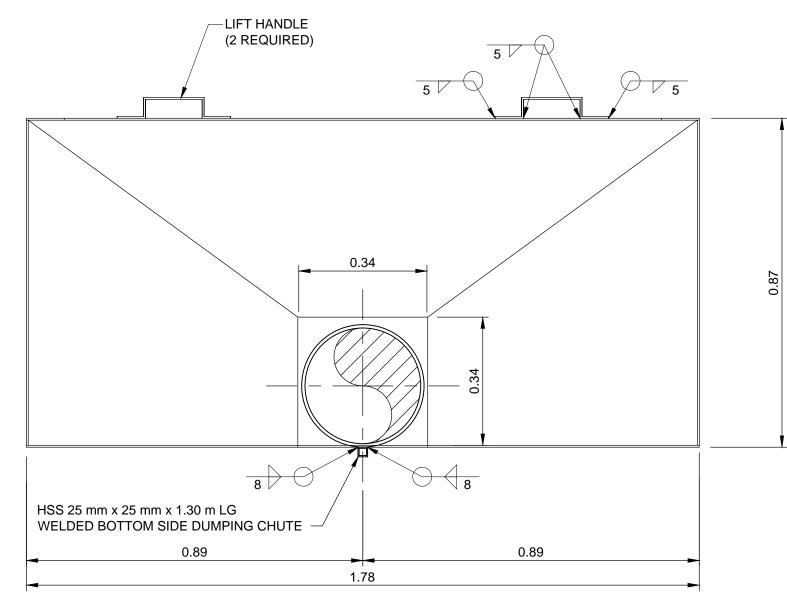
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GENERAL NOTES:

1. ALL DIMENSIONS AND ELEVATIONS ARE IN METRES UNLESS NOTED OTHERWISE.

CONSTRUCTION NOTES:

- 1. TWO DUMPING CHUTES REQUIRED.
- CONSTRUCT CHUTE AND LIFT HANDLES FROM 5 mm (3/16") THICK STEEL.



1 | SEWAGE DUMPING CHUTE DETAILS

1.78

<u>PLAN</u>

BOTTOM FRONT EDGE OF CHUTE

PROJECT NUMBER

60568807

SHEET TITLE

SEWAGE LAGOON DUMPING CHUTE DETAILS

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HAMLET OF

EDMONTON AB T5S 0C2

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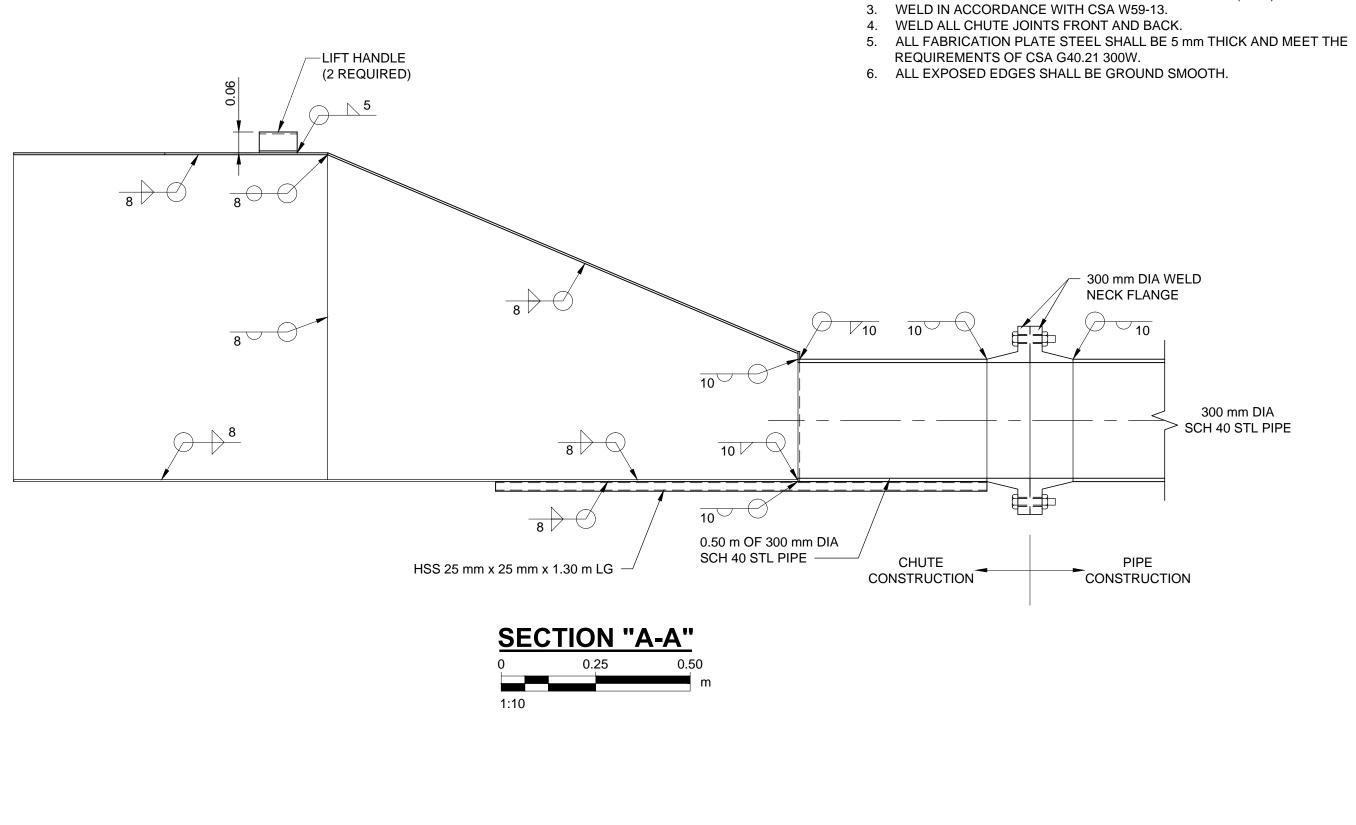
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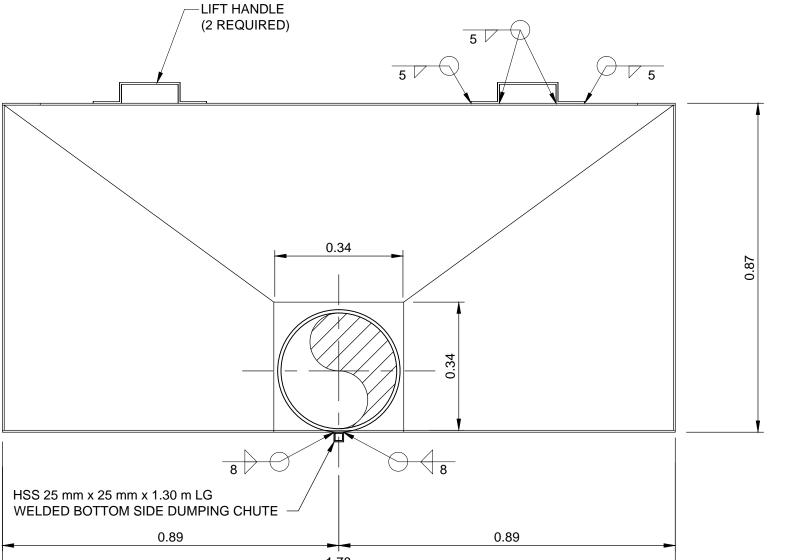
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SHEET NUMBER

C-4001

Rev 0





FRONT ELEVATION