



April 5, 2005

Project No.: DYE-M (3.6)

VIA E-MAIL (LICENSING@NWB.NUNAVUT.CA)

Phyllis Beaulieu  
Manager, Licensing  
Nunavut Water Board  
P.O. Box 119  
Gjoa Haven, NU X0B 1J0

Dear Ms. Beaulieu:

**RE: 2004 Annual Report: Water Use License NWB5DYE0409**

UMA Engineering Ltd. is pleased to submit this annual report as per the requirements of Part B.1 of water use license NWB5DYE0409. The report was prepared on behalf of Defence Construction Canada and the Department of National Defence.

Due to the late mobilization of equipment and materials to the DYE-M site in September, the work in 2004 involved the construction of the camp facilities and setting of survey control points in preparation of the 2005 season.

The work plan for 2004 will be to continue with the clean up activities as described in the project description. An overall site plan is included to show the locations of the various work areas described in this report.

The camp was operational for one month. In that time, approximately 100 cubic metres of water was extracted from the middle site water use lake. Approximately 80 cubic metres of effluent was discharged into the sewage lagoon; no samples were collected.

There were no spill incidences at the DYE-M site in 2004.

There were no community meetings held prior to the start of the 2004 season; however, the contractor has planned meetings for April 5-8, 2005, prior to the start of work this year.

April 5, 2005  
Phyllis Beaulieu  
Nunavut Water Board  
Page 2



We trust the information provided is consistent with the requirements of Water Use Licence #NWB5DYE0409. Please feel free to contact the undersigned if you have any questions or comments.

Sincerely,

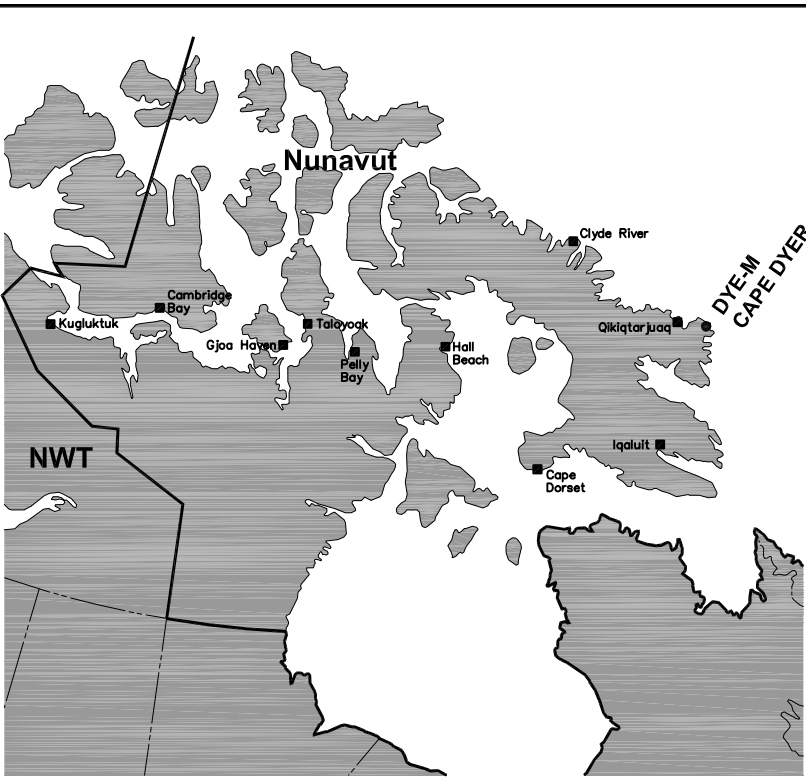
**UMA ENGINEERING LTD.**

A handwritten signature in black ink, appearing to read 'Eva Schulz', is positioned above the printed name.

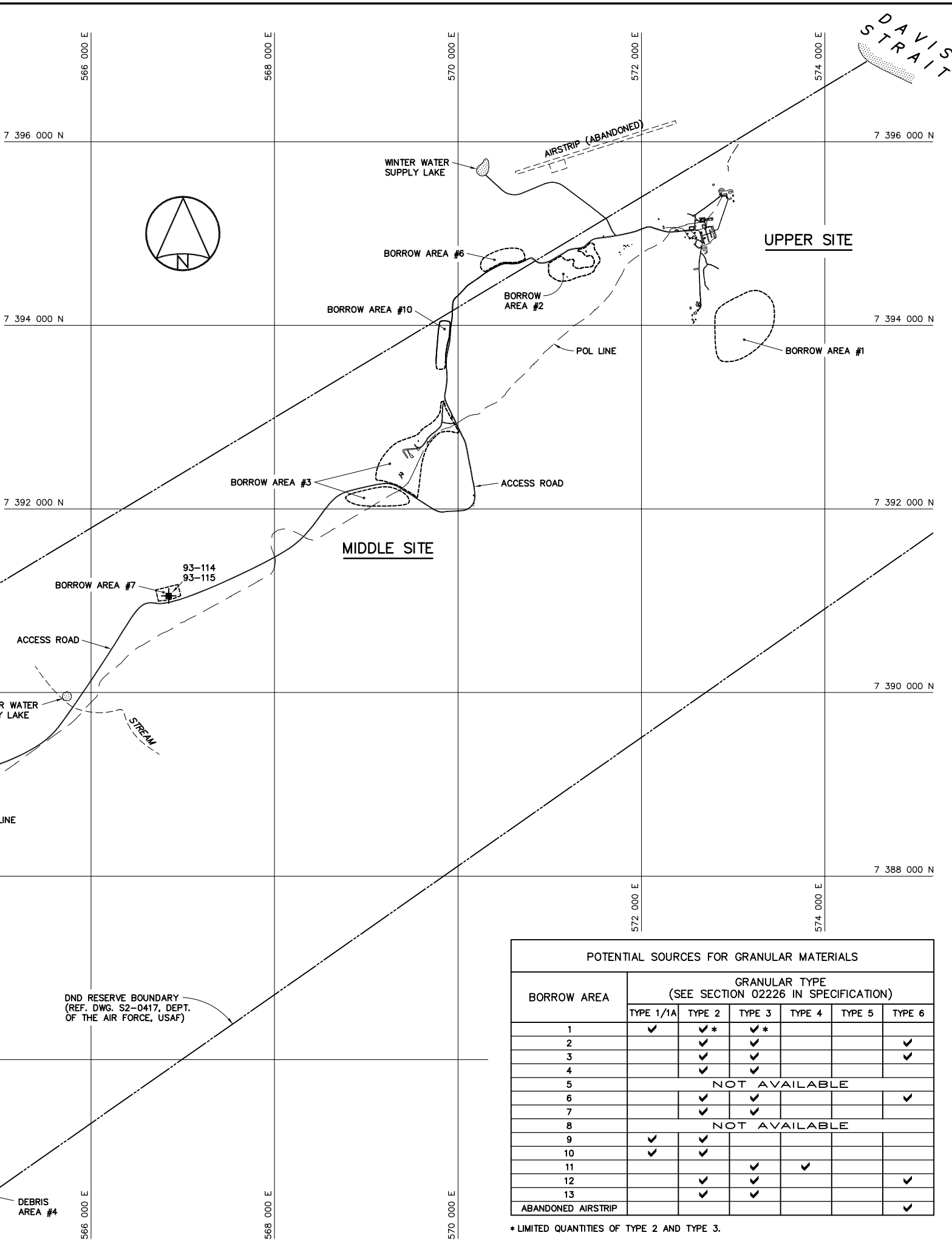
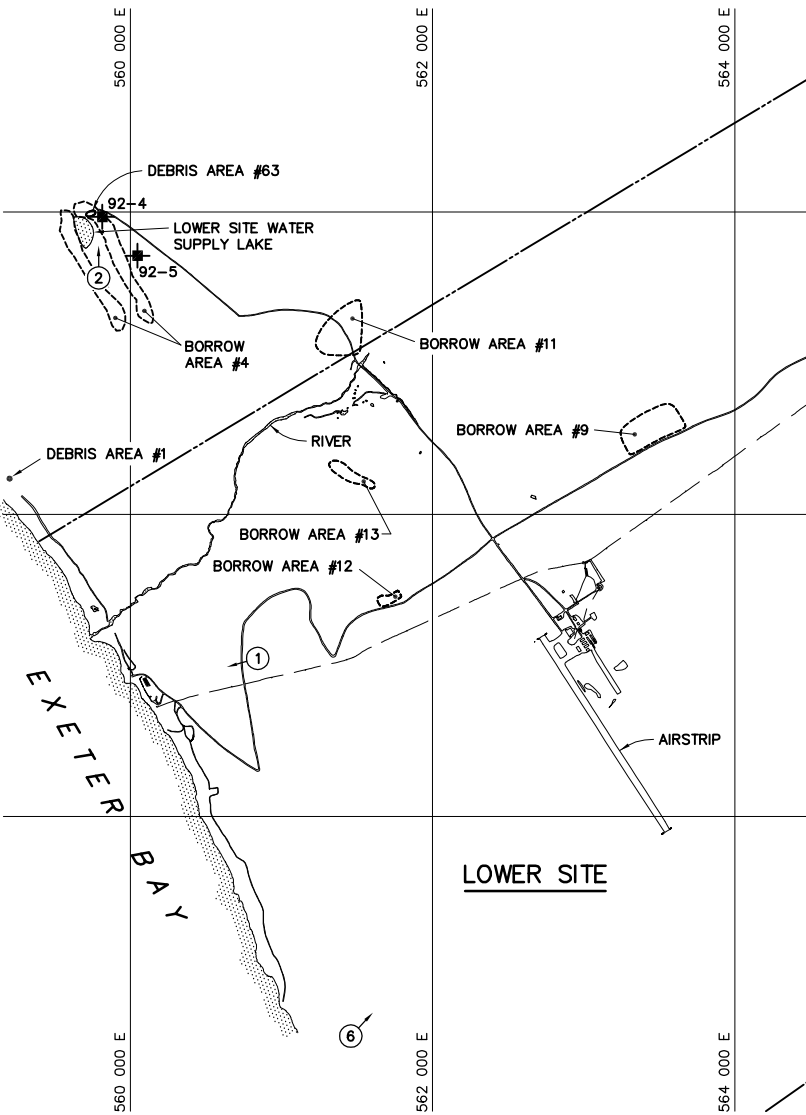
Eva Schulz, P.Ag.  
Environmental Scientist  
eva.schulz@uma.aecom.com

Encl. Drawings

cc: Phil Warren, DCC  
Jim Wall, NWB



LOCATION OF CAPE DYER WITHIN NUNAVUT TERRITORY  
N.T.S.



POTENTIAL SOURCES FOR GRANULAR MATERIALS						
BORROW AREA	GRANULAR TYPE (SEE SECTION 02226 IN SPECIFICATION)					
	TYPE 1/1A	TYPE 2	TYPE 3	TYPE 4	TYPE 5	TYPE 6
1	✓	✓*	✓*			
2		✓	✓			✓
3		✓	✓			✓
4		✓	✓			
5	NOT AVAILABLE					
6		✓	✓			✓
7		✓	✓			
8	NOT AVAILABLE					
9	✓	✓				
10	✓	✓				
11		✓	✓	✓		
12		✓	✓			✓
13		✓	✓			
ABANDONED AIRSTRIP						✓

\* LIMITED QUANTITIES OF TYPE 2 AND TYPE 3.

National Defence

Défense nationale

Headquarters

Quartier général

General Notes:

1. ALL COORDINATES ARE REFERENCED TO UTM ZONE 20N, NAD83.

2. ALL NON-HAZARDOUS DEBRIS FROM SOURCES WEST OF BORROW AREA #7 TO BE PLACED IN LOWER SITE NON-HAZARDOUS WASTE LANDFILL. ALL NON-HAZARDOUS DEBRIS FROM SOURCES EAST OF BORROW AREA #7 TO BE PLACED IN UPPER SITE NON-HAZARDOUS WASTE LANDFILL.

3. REFER TO TABLE 02219-1 IN SPECIFICATIONS FOR DESCRIPTION OF DEBRIS AREAS.

Legend:

1

PHOTOGRAPHIC VIEWPOINT

+

TEST PIT LOCATION

BODY OF WATER

APPROXIMATE EXTENT OF DEBRIS AREAS

APPROXIMATE EXTENT OF BORROW AREAS

APPROXIMATE LOCATION OF PROPERTY BOUNDARIES

No.

DATE

REVISION

REVISION

APPR.

uma

sme

SCALE - ECHELLE

400 200 0 400 800 1200m

PROJECT - PROJET

DYE-M CAPE DYER

DEW LINE CLEAN UP

© COPYRIGHT

HER MAJESTY THE QUEEN IN RIGHT OF CANADA 2003, AS REPRESENTED BY THE MINISTER OF NATIONAL DEFENCE.

TRADE - METIER

SITING

DATE

2003-12-16

SUBJECT - SUJET

OVERALL SITE PLAN

PRODUCTION

CONCURRENCE - ASSENTIMENT

DESIGNED ETUDIE

BWF/CY

DES OFF AGENT CONCEPT

DRAWN DESSINE

IC/CAE

SECT HD CHEF SECT

CHECKED VERIFIE

RRM

DES MGR GEST CONCEPT

COORDINATION

SMS

REVIEWED - REVU

DWG. NO. - DESSIN NO.

H-C75/1-9101-101





Canada

**Headquarters  
Quartier général**

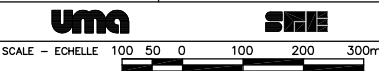
**General Notes:**

1. ALL COORDINATES ARE REFERENCED TO UTM ZONE 20N, NAD83.
2. ARCHAEOLOGICAL FEATURES LOCATED AS PER ENVIRONMENTAL CLEAN UP STUDY OF 21 DEW LINE SITES IN CANADA, VOL. 23, UMA 1991.
3. HORIZONTAL CONTROL REFERENCED TO SURVEY CONTROL MONUMENTS.
4. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
5. ALL NON-HAZARDOUS DEBRIS WITHIN PLAN AREA TO BE PLACED IN LOWER SITE NON-HAZARDOUS WASTE LANDFILL.
6. REFER TO TABLE 02219-1 IN SPECIFICATIONS FOR DESCRIPTION OF DEBRIS AREAS.
7. ALL SURFACE DEBRIS IS TO BE REMOVED FROM ALL CONTAMINATED SOIL AREAS AND EXISTING AND NEW LANDFILL AREAS PRIOR TO ANY FILL PLACEMENT OR EXCAVATION TAKING PLACE.

**Legend:**

-  **CM1** SURVEY CONTROL MONUMENT
-  **CONTAMINATED AREA**
-  **TEST PIT LOCATION**
-  **BODY OF WATER**

No.	DATE	REVISION	REVISION	APPR.



PROJECT - PROJET  
**DYE-M CAPE DYER**

**DEW LINE CLEAN UP**

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CANADA 2003, AS REPRESENTED BY THE  
MINISTER OF NATIONAL DEFENCE.

TRADE - METIER **SITING** DATE **2003-12-16**

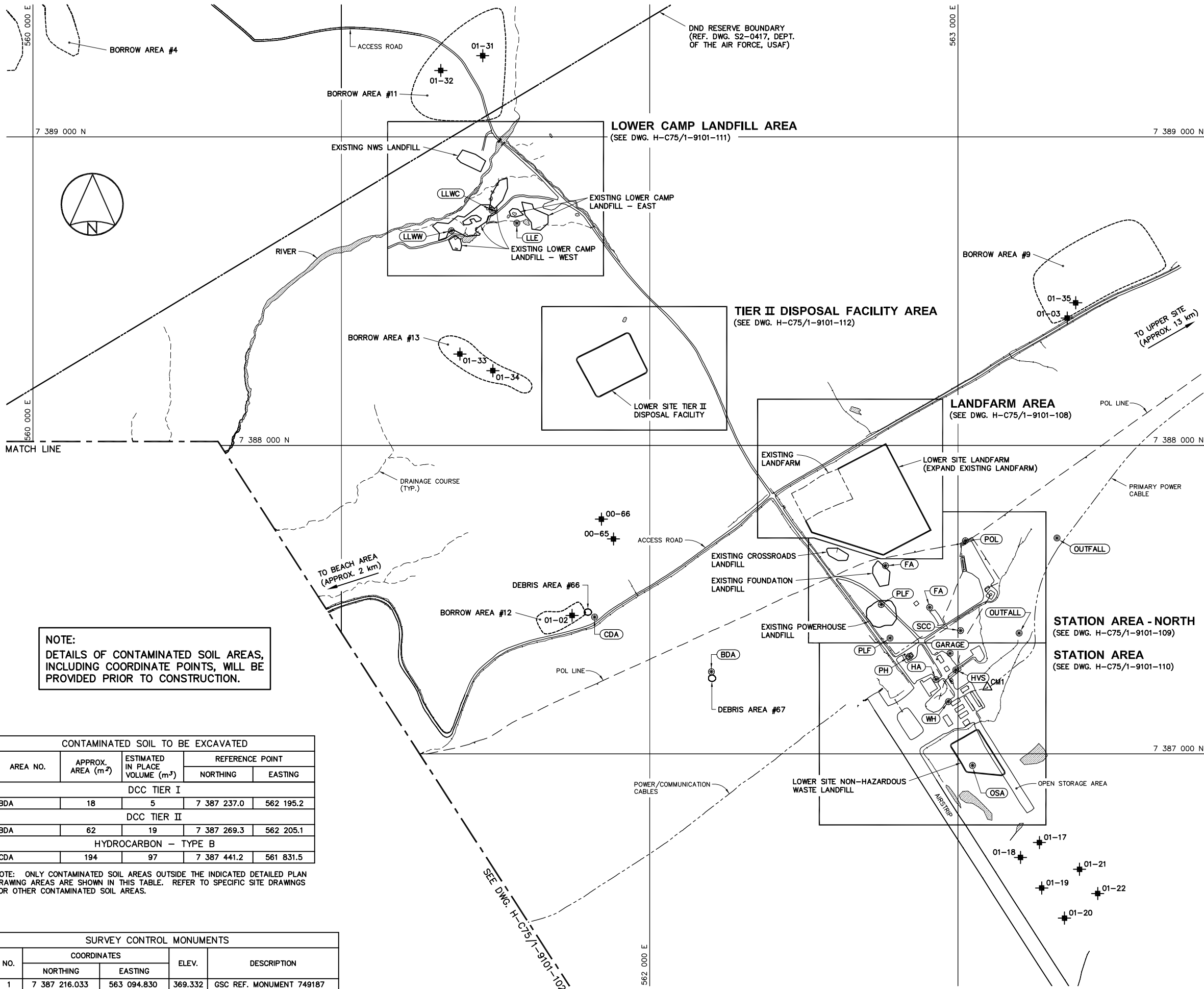
SUBJECT - SUJET

**LOWER SITE  
STATION AREA  
PROJECT LAYOUT**

PRODUCTION	CONCURRENCE - ASSENTMENT
DESIGNED ETUDIE <b>BWF/CY</b>	DES OFF AGENT CONCEPT
DRAWN DESSINE <b>IC/CAE</b>	SECT HD CHEF SECT
CHECKED VERIFIE <b>RRM</b>	DES MGR GEST CONCEPT
COORDINATION <b>SMS</b>	REVIEWED - REVU

DWG. NO. - DESSIN NO.  
**H-C75/1-9101-103**

**Canada**



**NOTE:**  
DETAILS OF CONTAMINATED SOIL AREAS,  
INCLUDING COORDINATE POINTS, WILL BE  
PROVIDED PRIOR TO CONSTRUCTION.

