

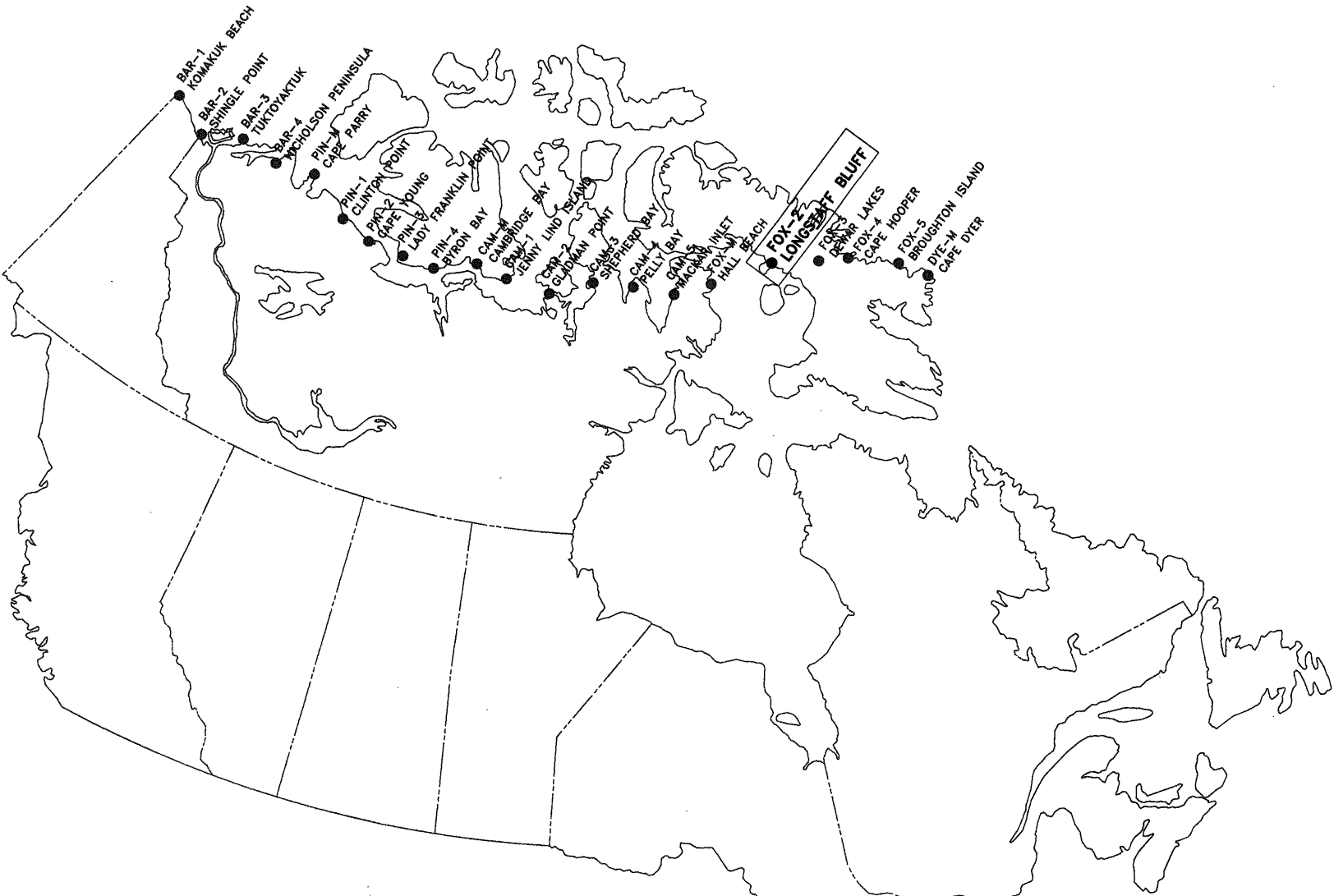


National
Defence

Défense
nationale

DEW LINE CLEAN UP PROJECT

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H-L133/1-9101-114	HANGAR AREA REGRADING AND EXCAVATION PLAN	H-L133/1-9101-130	BORROW AREA 2 & EAST BEACH REGRADING AND EXCAVATION DETAILS	<p>© COPYRIGHT HER MAJESTY THE QUEEN IN RIGHT OF CANADA 2007, AS REPRESENTED BY THE MINISTER OF NATIONAL DEFENCE.</p>	
H-L133/1-9101-115	AIRSTRIPE AREA - EAST REGRADING AND EXCAVATION DETAILS	H-L133/1-9101-131	MISCELLANEOUS DETAILS SH. 1		
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FOX-2 LONGSTAFF BLUFF TENDER DRAWINGS

UMA | AECOM

HATCH™

OCTOBER, 2007

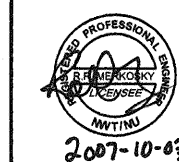
General Notes:

1. ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 18N. ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL, RELATIVE TO GEIOD MODEL CANADIAN HT2_0.
2. ARCHAEOLOGICAL FEATURES LOCATED AS PER FINAL REPORT ON ARCHAEOLOGICAL MITIGATION STUDY AT FOX-2, LONGSTAFF BLUFF, BY THOMSON HERITAGE CONSULTANTS DATED MARCH 2006.
3. OCEAN SHORELINE DERIVED FROM AIR PHOTOS DATED 13/08/94.

Legend:

- BODY OF WATER
- APPROXIMATE EXTENT OF BORROW AREAS
- APPROXIMATE LOCATION OF PROPERTY BOUNDARIES
- ARCHAEOLOGICAL FEATURE

No.	DATE	REVISION	REVISION	APPR.
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THE ASSOCIATION OF PROFESSIONAL ENGINEERS, GEOLOGISTS AND GEOPHYSICISTS OF THE NORTHWEST TERRITORIES
PERMIT NUMBER
P 007
UMA ENGINEERING LTD.

UMA | AECOM | HATCH

SCALE - ECHELLE 250 125 0 250 500 750m

PROJECT - PROJET
FOX-2 LONGSTAFF BLUFF

DEW LINE CLEAN UP

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TRADE - METIER SITING DATE 2007-10-02

SUBJECT - SUJET

OVERALL SITE PLAN

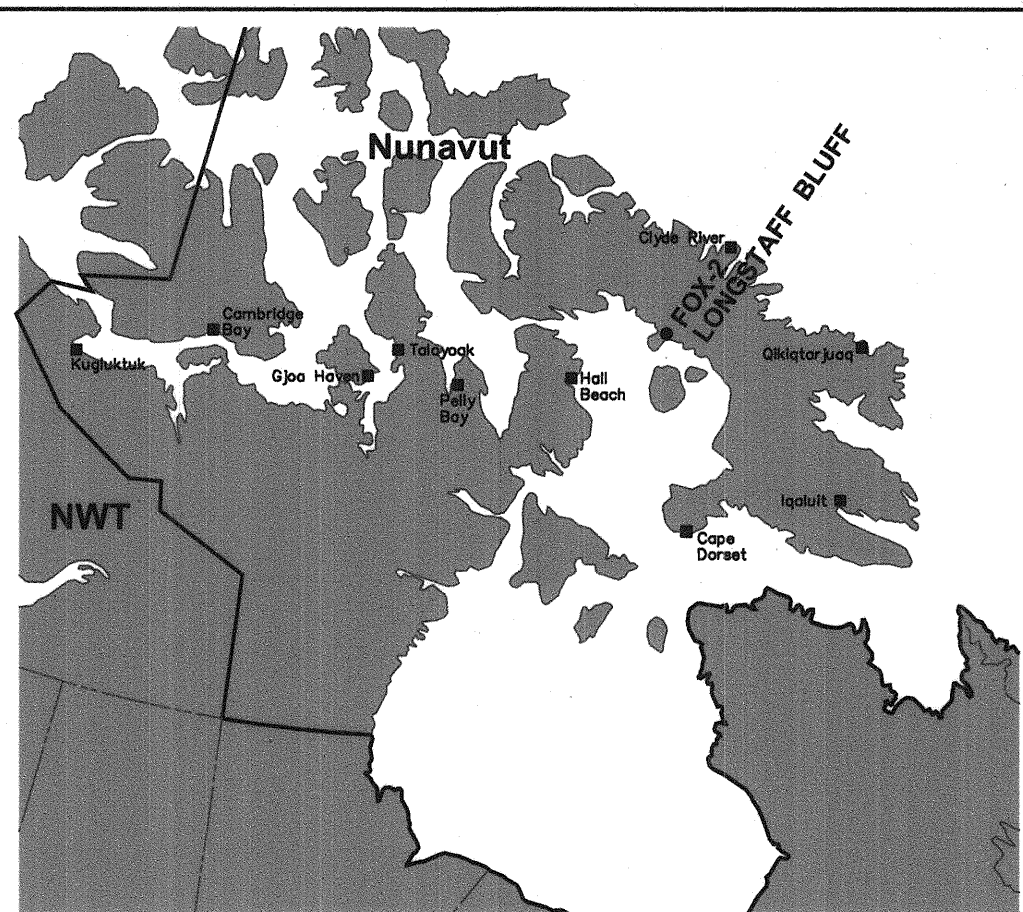
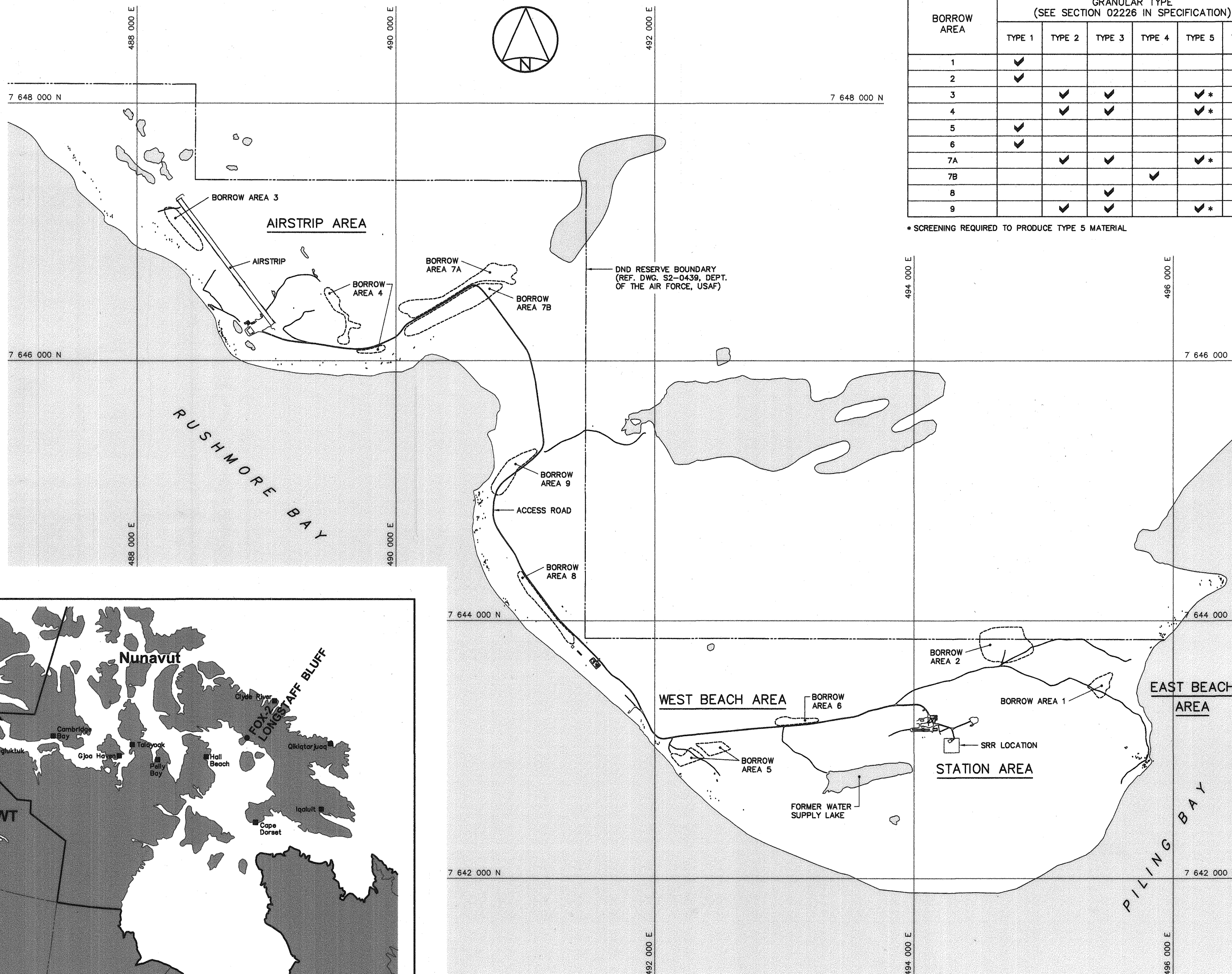
PRODUCTION	CONCURRENCE - ASSENTIMENT
DESIGNED ETUDIE TME/BWF	DES OFF AGENT CONCEPT
DRAWN DESSINE CAE	SECT HD CHEF SECT
CHECKED VERIFIE RRM	DES MGR GEST CONCEPT
COORDINATION SMS	REVIEWED - REVU

DWG. NO. - DESSIN NO.
H-L133/1-9101-101

Canada

POTENTIAL SOURCES FOR GRANULAR MATERIALS						
BORROW AREA	GRANULAR TYPE (SEE SECTION 02226 IN SPECIFICATION)					
	TYPE 1	TYPE 2	TYPE 3	TYPE 4	TYPE 5	TYPE 6
1	✓					
2	✓					
3		✓	✓		✓ *	✓
4		✓	✓		✓ *	✓
5	✓					
6	✓					
7A		✓	✓		✓ *	✓
7B				✓		
8			✓			
9		✓	✓		✓ *	✓

* SCREENING REQUIRED TO PRODUCE TYPE 5 MATERIAL



LOCATION OF LONGSTAFF BLUFF WITHIN NUNAVUT TERRITORY
N.T.S.

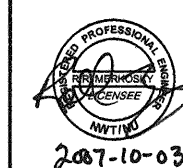
General Notes:

1. ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 18N. ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL, RELATIVE TO GEIOD MODEL CANADIAN HT2.0.
2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
3. ARCHAEOLOGICAL FEATURES LOCATED AS PER FINAL REPORT ON ARCHAEOLOGICAL MITIGATION STUDY AT FOX-2, LONGSTAFF BLUFF, BY THOMSON HERITAGE CONSULTANTS DATED MARCH 2006.
4. ALL NON-HAZARDOUS DEBRIS WITHIN PLAN AREA TO BE PLACED IN THE HANGAR NON-HAZARDOUS WASTE LANDFILL.
5. REFER TO TABLE 02219-1 IN SPECIFICATIONS FOR DESCRIPTION OF DEBRIS AREAS.
6. 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:

- △ SURVEY CONTROL MONUMENT
- ✦ TEST PIT LOCATION
- BODY OF WATER
- APPROXIMATE EXTENT OF DEBRIS AREAS
- APPROXIMATE EXTENT OF BORROW AREAS
- ▨ EXISTING LANDFILL/BURIED DEBRIS LOBE
- ✦ ARCHAEOLOGICAL FEATURE

No.	DATE	REVISION	REVISION	APPR.



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SCALE - ECHELLE 100 50 0 100 200 300m

PROJECT - PROJET
FOX-2 LONGSTAFF BLUFF

DEW LINE CLEAN UP

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TRADE - METIER SITING DATE 2007-10-02

SUBJECT - SUJET

PROJECT LAYOUT SH. 1

PRODUCTION	CONCURRENCE - ASSENTIMENT
DESIGNED ETUDIE TME/BWF	DES OFF AGENT CONCEPT
DRAWN DESSINE CAE	SECT HD CHEF SECT
CHECKED VERIFIE RRM	DES MGR GEST CONCEPT
COORDINATION SMS	REVIEWED - REVU

DWG. NO. - DESSIN NO.
H-L133/1-9101-102

Canada

SURVEY CONTROL MONUMENTS				
NO.	COORDINATES		ELEV.	DESCRIPTION
	NORTHING	EASTING		
CM101	7 646 589.787	488 746.333	12.088	FOX-2 BASELINE STA. 12+00

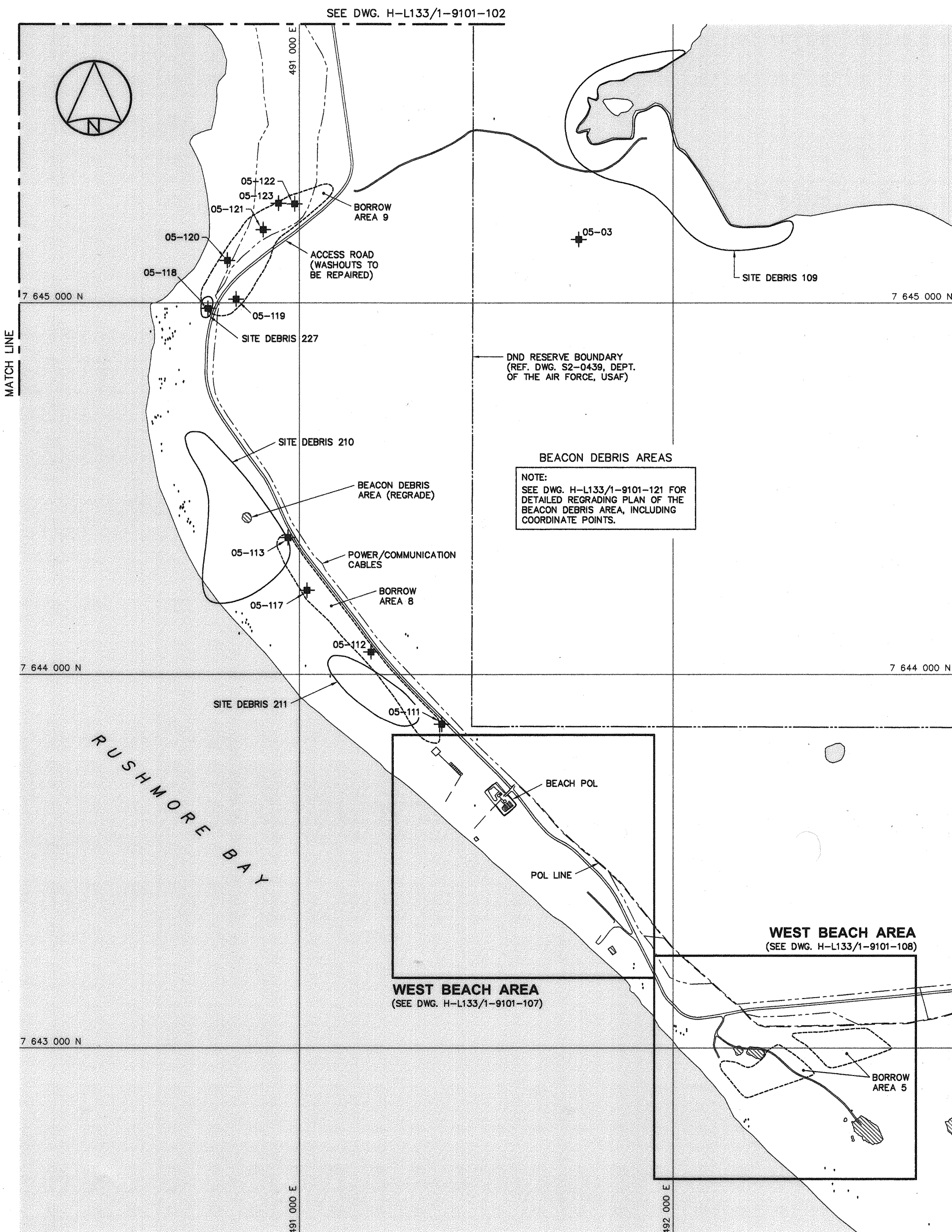
DND RESERVE BOUNDARY
(REF. DWG. S2-0439, DEPT.
OF THE AIR FORCE, USAF)

AIRSTRIIP AREA - EAST
(SEE DWG. H-L133/1-9101-106)

AIRSTRIIP AREA - WEST
(SEE DWG. H-L133/1-9101-105)

SEE DWG. H-L133/1-9101-103

MATCH LINE



National Defence / Défense nationale

Headquarters / Quartier général

General Notes:

1. ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 18N. ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL, RELATIVE TO GEIOD MODEL CANADIAN HT2_0.
2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
3. ARCHAEOLOGICAL FEATURES LOCATED AS PER FINAL REPORT ON ARCHAEOLOGICAL MITIGATION STUDY AT FOX-2, LONGSTAFF BLUFF, BY THOMSON HERITAGE CONSULTANTS DATED MARCH 2006.
4. ALL NON-HAZARDOUS DEBRIS FROM AREAS WEST OF THE BEACH POL TO BE PLACED IN THE HANGAR NON-HAZARDOUS WASTE LANDFILL AND ALL NON-HAZARDOUS DEBRIS FROM AREAS EAST OF THE BEACH POL TO BE PLACED IN THE STATION AREA NON-HAZARDOUS WASTE LANDFILL.
5. REFER TO TABLE 02219-1 IN SPECIFICATIONS FOR DESCRIPTION OF DEBRIS AREAS.
6. 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:

- TEST PIT LOCATION
- BODY OF WATER
- APPROXIMATE EXTENT OF DEBRIS AREAS
- APPROXIMATE EXTENT OF BORROW AREAS
- EXISTING LANDFILL/BURIED DEBRIS LOBE
- ARCHAEOLOGICAL FEATURE

No.	DATE	REVISION	REVISION	APPR.

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UMA ENGINEERING LTD.

2007-10-03

UMA | AECOM | HATCH

SCALE - ECHELLE 100 50 0 100 200 300m

PROJECT - PROJET
FOX-2 LONGSTAFF BLUFF

DEW LINE CLEAN UP

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TRADE - METIER **SITING** DATE **2007-10-02**

SUBJECT - SUJET

PROJECT LAYOUT SH. 2

PRODUCTION	CONCURRENCE - ASSENTMENT
DESIGNED ETUDIE TIME/BWF	DES OFF AGENT CONCEPT
DRAWN DESSINE CAE	SECT HD CHEF SECT
CHECKED VERIFIE RAM	DES MGR GEST CONCEPT
COORDINATION SMS	REVIEWED - REVU

DWG. NO. - DESSIN NO.
H-L133/1-9101-103

Canada

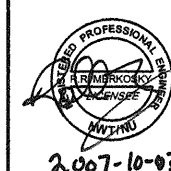
General Notes:

1. ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 18N. ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL, RELATIVE TO GEOD MODEL CANADIAN HT2_0.
2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
3. ARCHAEOLOGICAL FEATURES LOCATED AS PER FINAL REPORT ON ARCHAEOLOGICAL MITIGATION STUDY AT FOX-2, LONGSTAFF BLUFF, BY THOMSON HERITAGE CONSULTANTS DATED MARCH 2006.
4. ALL NON-HAZARDOUS DEBRIS WITHIN PLAN AREA TO BE PLACED IN THE STATION AREA NON-HAZARDOUS WASTE LANDFILL.
5. REFER TO TABLE 02219-1 IN SPECIFICATIONS FOR DESCRIPTION OF DEBRIS AREAS.
6. 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:

- SURVEY CONTROL MONUMENT
- TEST PIT LOCATION
- CONTAMINATED AREA
- BODY OF WATER
- APPROXIMATE EXTENT OF DEBRIS AREAS
- APPROXIMATE EXTENT OF BORROW AREAS
- EXISTING LANDFILL/BURIED DEBRIS LOBE
- ARCHAEOLOGICAL FEATURE

No.	DATE	REVISION	REVISION	APPR.



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OF THE NORTHWEST TERRITORIES
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SCALE - ECHELLE 100 50 0 100 200 300m

PROJECT - PROJET
FOX-2 LONGSTAFF BLUFF

DEW LINE CLEAN UP

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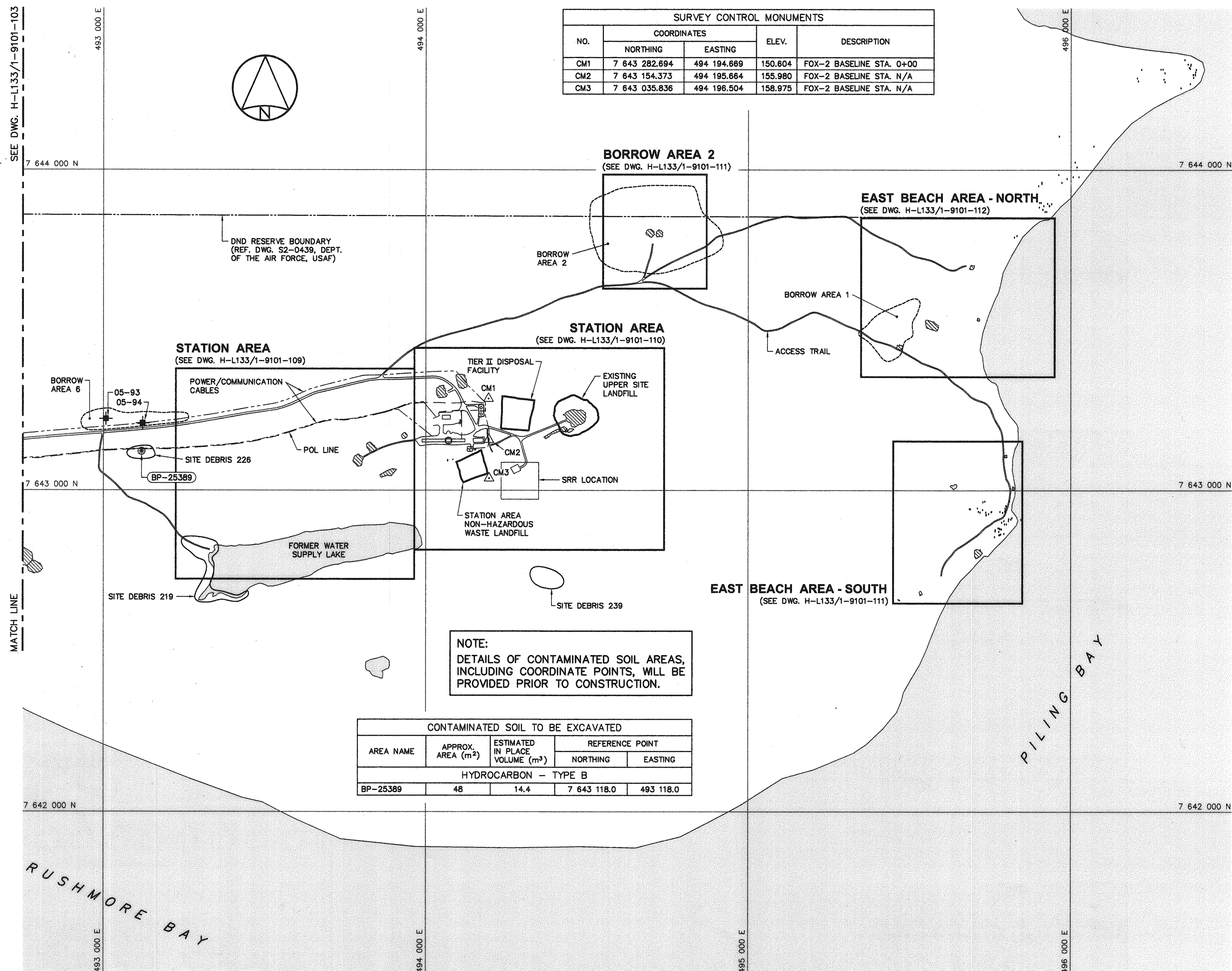
TRADE - METIER SITING DATE 2007-10-02
SUBJECT - SUJET

PROJECT LAYOUT SH. 3

PRODUCTION	CONCURRENCE - ASSENTIMENT
DESIGNED ETUDIE TIME/DWF	DES OFF AGENT CONCEPT
DRAWN DESSINE CAE	SECT HD CHEF SECT
CHECKED VERIFIE RRM	DES MGR GEST CONCEPT
COORDINATION SMS	REVIEWED - REVU

DWG. NO. - DESSIN NO.
H-L133/1-9101-104

Canada



SURVEY CONTROL MONUMENTS				
NO.	COORDINATES		ELEV.	DESCRIPTION
	NORTHING	EASTING		
CM1	7 643 282.694	494 194.669	150.604	FOX-2 BASELINE STA. 0+00
CM2	7 643 154.373	494 195.664	155.980	FOX-2 BASELINE STA. N/A
CM3	7 643 035.836	494 196.504	158.975	FOX-2 BASELINE STA. N/A

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

CONTAMINATED SOIL TO BE EXCAVATED				
AREA NAME	APPROX. AREA (m ²)	ESTIMATED IN PLACE VOLUME (m ³)	REFERENCE POINT	
			NORTHING	EASTING
HYDROCARBON - TYPE B				
BP-25389	48	14.4	7 643 118.0	493 118.0

General Notes:

1. ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 18N. ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL, RELATIVE TO GEIOD MODEL CANADIAN HT2_0.
2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
3. ALL NON-HAZARDOUS DEBRIS WITHIN PLAN AREA TO BE PLACED IN THE HANGAR NON-HAZARDOUS WASTE LANDFILL.
4. REFER TO TABLE 02219-1 IN SPECIFICATIONS FOR DESCRIPTION OF DEBRIS AREAS.
5. 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.
6. ARCHAEOLOGICAL FEATURES LOCATED AS PER FINAL REPORT ON ARCHAEOLOGICAL MITIGATION STUDY AT FOX-2, LONGSTAFF BLUFF, BY THOMSON HERITAGE CONSULTANTS DATED MARCH 2006.

Legend:

- △ SURVEY CONTROL MONUMENT
- TEMPORARY BENCHMARK
- ✦ TEST PIT LOCATION
- DCC TIER I CONTAMINATED SOIL
- DCC TIER II CONTAMINATED SOIL
- HYDROCARBON - TYPE B CONTAMINATED SOIL
- BODY OF WATER
- ▨ LANDFILL/BURIED DEBRIS EXCAVATION AREA
- ⑤ PHOTOGRAPHIC VIEWPOINT
- ✧ ARCHAEOLOGICAL FEATURE

No.	DATE	REVISION	REVISION	APPR.



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UMA AECOM HATCH

SCALE - ECHELLE 20 10 0 20 40 60m

PROJECT - PROJET
FOX-2 LONGSTAFF BLUFF

DEW LINE CLEAN UP

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TRADE - METIER SITING DATE 2007-10-02

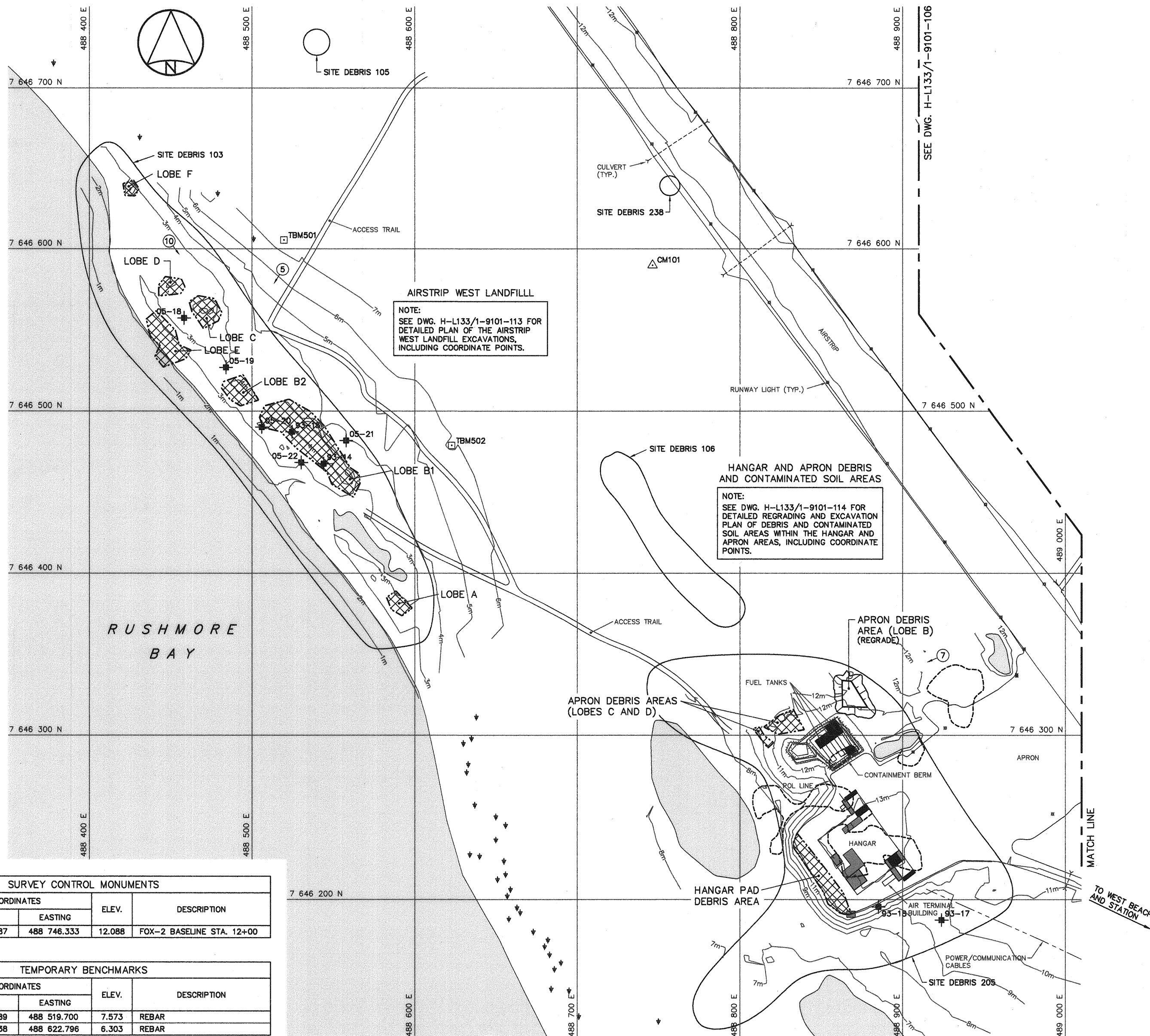
SUBJECT - SUJET

AIRSTRIp AREA - WEST
SITE PLAN

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

DWG. NO. - DESSIN NO.
H-133/1-9101-105

Canada



SURVEY CONTROL MONUMENTS				
NO.	COORDINATES		ELEV.	DESCRIPTION
	NORTHING	EASTING		
CM101	7 646 589.787	488 746.333	12.088	FOX-2 BASELINE STA. 12+00

TEMPORARY BENCHMARKS				
NO.	COORDINATES		ELEV.	DESCRIPTION
	NORTHING	EASTING		
TBM501	7 646 605.389	488 519.700	7.573	REBAR
TBM502	7 646 478.838	488 622.796	6.303	REBAR

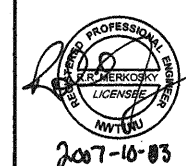
General Notes:

1. ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 18N. ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL, RELATIVE TO GEOID MODEL CANADIAN HT2.0.
2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
3. ALL NON-HAZARDOUS DEBRIS WITHIN PLAN AREA TO BE PLACED IN THE HANGAR NON-HAZARDOUS WASTE LANDFILL.
4. REFER TO TABLE 02219-1 IN SPECIFICATIONS FOR DESCRIPTION OF DEBRIS AREAS.
5. 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.
6. FOR PERMANENT SURVEY CONTROL (BENCHMARK) INSTALLATION DETAILS, SEE DWG. H-L133/1-9101-132. LOCATIONS TO BE FIELD APPROVED BY THE ENGINEER.
7. ARCHAEOLOGICAL FEATURES LOCATED AS PER FINAL REPORT ON ARCHAEOLOGICAL MITIGATION STUDY AT FOX-2, LONGSTAFF BLUFF, BY THOMSON HERITAGE CONSULTANTS DATED MARCH 2006.

Legend:

- TEMPORARY BENCHMARK
- ✦ TEST PIT LOCATION
- DCC TIER I CONTAMINATED SOIL
- DCC TIER II CONTAMINATED SOIL
- HAZARDOUS CONTAMINATED SOIL
- LANDFILL/BURIED DEBRIS EXCAVATION AREA
- ② PHOTOGRAPHIC VIEWPOINT
- ▲ PROPOSED PERMANENT BENCHMARK LOCATION (2). (SEE NOTE 6).
- ✦ ARCHAEOLOGICAL FEATURE

No.	DATE	REVISION	REVISION	APPR.
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PERMIT NUMBER
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SCALE - ECHELLE 20 10 0 20 40 60m

PROJECT - PROJET
FOX-2 LONGSTAFF BLUFF

DEW LINE CLEAN UP

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TRADE - METIER SITING DATE 2007-10-02

SUBJECT - SUJET

AIRSTRIp AREA - EAST
SITE PLAN

PRODUCTION	CONCURRENCE - ASSENTMENT
DESIGNED ETUDIE TIME/BWF	DES OFF AGENT CONCEPT
DRAWN DESSINE CAE	SECT HD CHEF SECT
CHECKED VERIFIE RRM	DES MGR GEST CONCEPT
COORDINATION SAS	REVIEWED - REVU

DWG. NO. - DESSIN NO.
H-L133/1-9101-106

Canada

CONTAMINATED SOIL TO BE EXCAVATED				
AREA NAME	APPROX. AREA (m ²)	ESTIMATED IN PLACE VOLUME (m ³)	REFERENCE POINT	
			NORTHING	EASTING
DCC TIER I				
AC	241	72.3	7 646 552.3	489 171.8
DCC TIER II				
AL	22	8.8	7 646 665.3	489 393.9
HAZARDOUS (LEACHABLE LEAD)				
AC	16	6.4	7 646 418.5	489 085.8

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

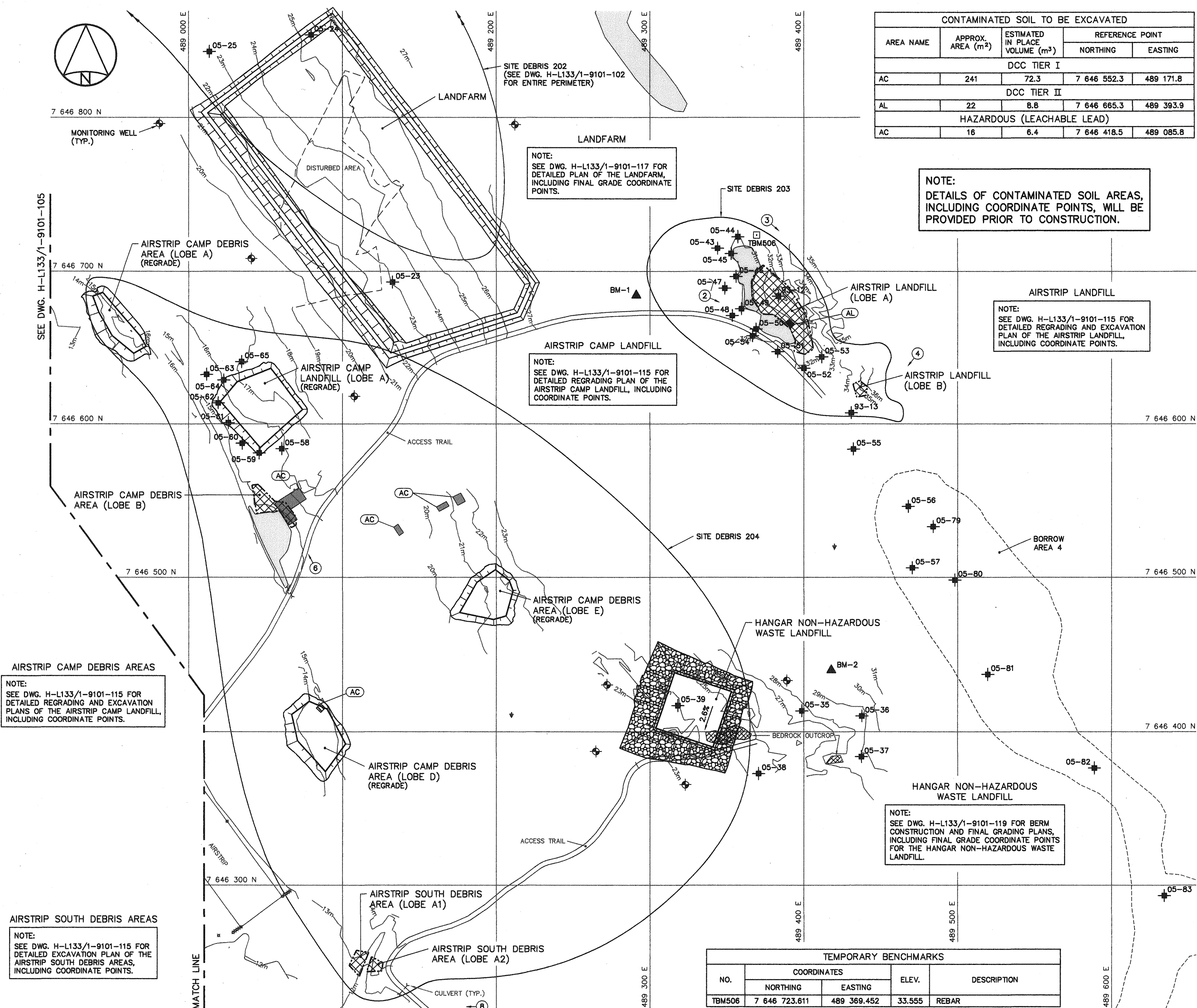
NOTE:
SEE DWG. H-L133/1-9101-115 FOR
DETAILED REGRADING AND EXCAVATION
PLAN OF THE AIRSTRIp LANDFILL,
INCLUDING COORDINATE POINTS.

NOTE:
SEE DWG. H-L133/1-9101-117 FOR
DETAILED PLAN OF THE LANDFARM,
INCLUDING FINAL GRADE COORDINATE
POINTS.

NOTE:
SEE DWG. H-L133/1-9101-115 FOR
DETAILED REGRADING PLAN OF THE
AIRSTRIp CAMP LANDFILL, INCLUDING
COORDINATE POINTS.

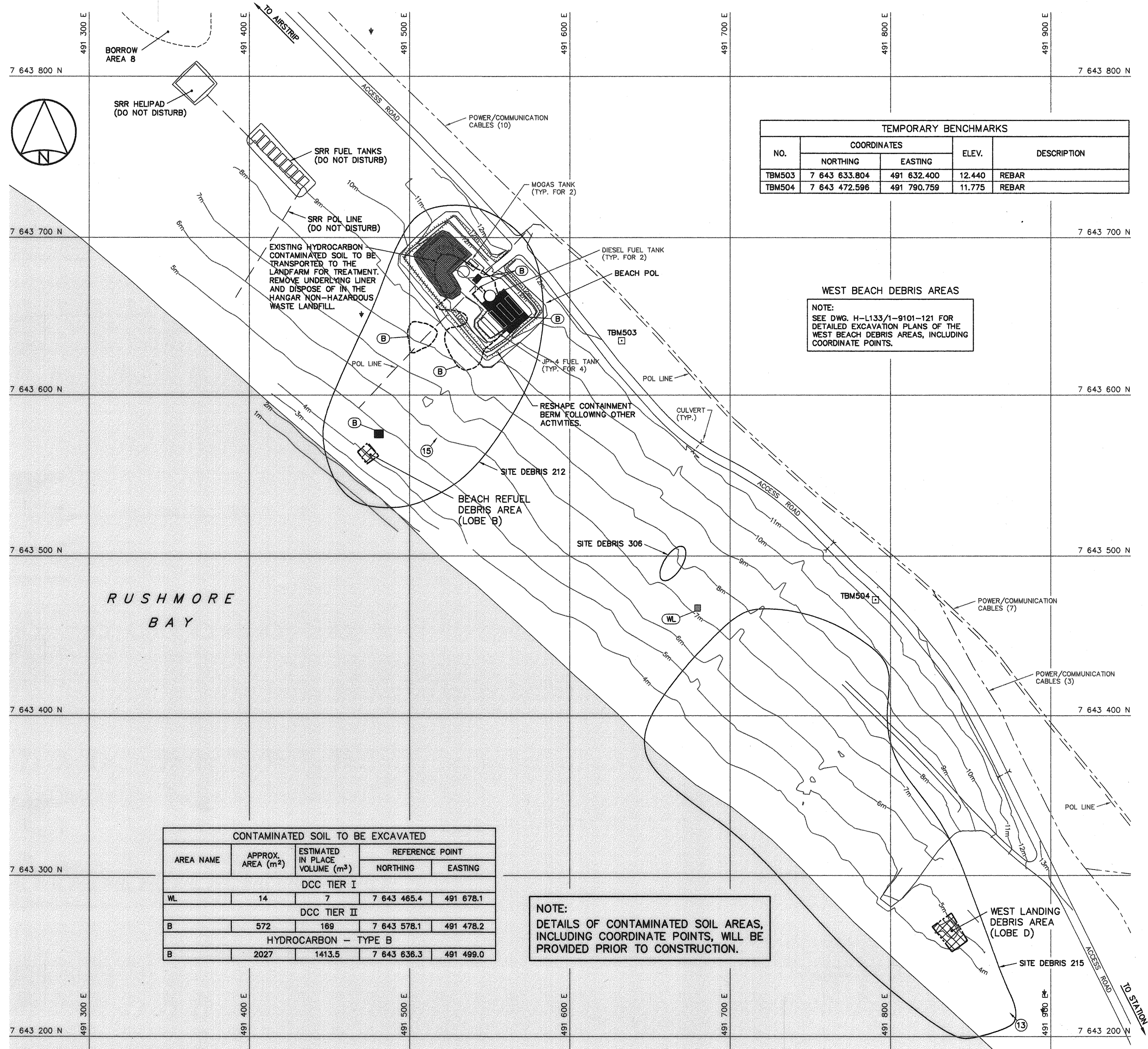
NOTE:
SEE DWG. H-L133/1-9101-119 FOR BERM
CONSTRUCTION AND FINAL GRADING PLANS,
INCLUDING FINAL GRADE COORDINATE POINTS
FOR THE HANGAR NON-HAZARDOUS WASTE
LANDFILL.

TEMPORARY BENCHMARKS				
NO.	COORDINATES		ELEV.	DESCRIPTION
	NORTHING	EASTING		
TBM506	7 646 723.611	489 369.452	33.555	REBAR



AIRSTRIp CAMP DEBRIS AREAS
NOTE:
SEE DWG. H-L133/1-9101-115 FOR
DETAILED REGRADING AND EXCAVATION
PLANS OF THE AIRSTRIp CAMP LANDFILL,
INCLUDING COORDINATE POINTS.

AIRSTRIp SOUTH DEBRIS AREAS
NOTE:
SEE DWG. H-L133/1-9101-115 FOR
DETAILED EXCAVATION PLAN OF THE
AIRSTRIp SOUTH DEBRIS AREAS,
INCLUDING COORDINATE POINTS.




TEMPORARY BENCHMARKS				
NO.	COORDINATES		ELEV.	DESCRIPTION
	NORTHING	EASTING		
TBM503	7 643 633.804	491 632.400	12.440	REBAR
TBM504	7 643 472.596	491 790.759	11.775	REBAR

WEST BEACH DEBRIS AREAS


NOTE:
SEE DWG. H-L133/1-9101-121 FOR
DETAILED EXCAVATION PLANS OF THE
WEST BEACH DEBRIS AREAS, INCLUDING
COORDINATE POINTS.

CONTAMINATED SOIL TO BE EXCAVATED				
AREA NAME	APPROX. AREA (m²)	ESTIMATED IN PLACE VOLUME (m³)	REFERENCE POINT	
			NORTHING	EASTING
DCC TIER I				
WL	14	7	7 643 465.4	491 678.1
DCC TIER II				
B	572	169	7 643 578.1	491 478.2
HYDROCARBON – TYPE B				
B	2027	1413.5	7 643 636.3	491 499.0

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



National
Défense



Défense
nationale

Headquarters
Quartier général


General Notes:

- ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 18N. ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL, RELATIVE TO GEOID MODEL CANADIAN HT2.0.
- ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- ALL NON-HAZARDOUS DEBRIS FROM AREAS WEST OF THE BEACH POL TO BE PLACED IN THE HANGAR NON-HAZARDOUS WASTE LANDFILL AND ALL NON-HAZARDOUS DEBRIS FROM AREAS EAST OF THE BEACH POL TO BE PLACED IN THE STATION AREA NON-HAZARDOUS WASTE LANDFILL.
- REFER TO TABLE 02219-1 IN SPECIFICATIONS FOR DESCRIPTION OF DEBRIS AREAS.
- 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.
- ARCHAEOLOGICAL FEATURES LOCATED AS PER FINAL REPORT ON ARCHAEOLOGICAL MITIGATION STUDY AT FOX-2, LONGSTAFF BLUFF, BY THOMSON HERITAGE CONSULTANTS DATED MARCH 2006.

Legend:

- TEMPORARY BENCHMARK
- DCC TIER I CONTAMINATED SOIL
- DCC TIER II CONTAMINATED SOIL
- HYDROCARBON - TYPE B CONTAMINATED SOIL
- BODY OF WATER
- LANDFILL/BURIED DEBRIS EXCAVATION AREA
- PHOTOGRAPHIC VIEWPOINT
- ARCHAEOLOGICAL FEATURE

No.	DATE	REVISION	REVISION	APPR.



THE ASSOCIATION OF
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OF THE NORTHWEST TERRITORIES
PERMIT NUMBER
P 007
UMA ENGINEERING
LTD.

2007-10-03

UMA | AECOM | HATCH

SCALE - ECHELLE 20 10 0 20 40 60m

PROJECT - PROJET
FOX-2 LONGSTAFF BLUFF

DEW LINE CLEAN UP

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MINISTER OF NATIONAL DEFENCE.

TRADE - MÉTIER
SITING

DATE
2007-10-02

SUBJECT - SUJET

WEST BEACH AREA
SITE PLAN

SH. 1

PRODUCTION	CONCURRENCE - ASSENTIMENT
DESIGNED ETUDIE TME/BWF	DES OFF AGENT CONCEPT
DRAWN DESSINE CAE	SECT HD CHEF SECT
CHECKED VÉRIFIÉ RRM	DES MGR GEST CONCEPT
COORDINATION SMS	REVIEWED - REVU








DWG. NO. - DESSIN NO.
H-L133/1-9101-107

Canada

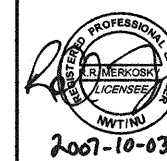
General Notes:

1. ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 18N. ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL, RELATIVE TO GEOID MODEL CANADIAN HT2_0.
2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
3. ALL NON-HAZARDOUS DEBRIS WITHIN PLAN AREA TO BE PLACED IN THE STATION AREA NON-HAZARDOUS WASTE LANDFILL.
4. REFER TO TABLE 02219-1 IN SPECIFICATIONS FOR DESCRIPTION OF DEBRIS AREAS.
5. 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.
6. FOR PERMANENT SURVEY CONTROL (BENCHMARK) INSTALLATION DETAILS, SEE DWG. H-L133/1-9101-132. LOCATIONS TO BE FIELD APPROVED BY THE ENGINEER.
7. ARCHAEOLOGICAL FEATURES LOCATED AS PER FINAL REPORT ON ARCHAEOLOGICAL MITIGATION STUDY AT FOX-2, LONGSTAFF BLUFF, BY THOMSON HERITAGE CONSULTANTS DATED MARCH 2006.

Legend:

- | | |
|---|---|
|  | TEMPORARY BENCHMARK |
|  | TEST PIT LOCATION |
|  | BODY OF WATER |
|  | LANDFILL/BURIED DEBRIS
EXCAVATION AREA |
|  | PHOTOGRAPHIC VIEWPOINT |
|  | PROPOSED PERMANENT BENCHMARK
LOCATION (1). (SEE NOTE 6). |
|  | ARCHAEOLOGICAL FEATURE |

No.	DATE	REVISION	REVISION	APPR
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UMA AECOM



SCALE - ECHELLE 20 10 0 20 40 60m

PROJECT - PROJCT
FOX-2 LONGSTAFF BLUFF

DEW LINE CLEAN UP

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TRADE - METIER	SITING
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DATE	2007-10-02
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SUBJECT - SUJET

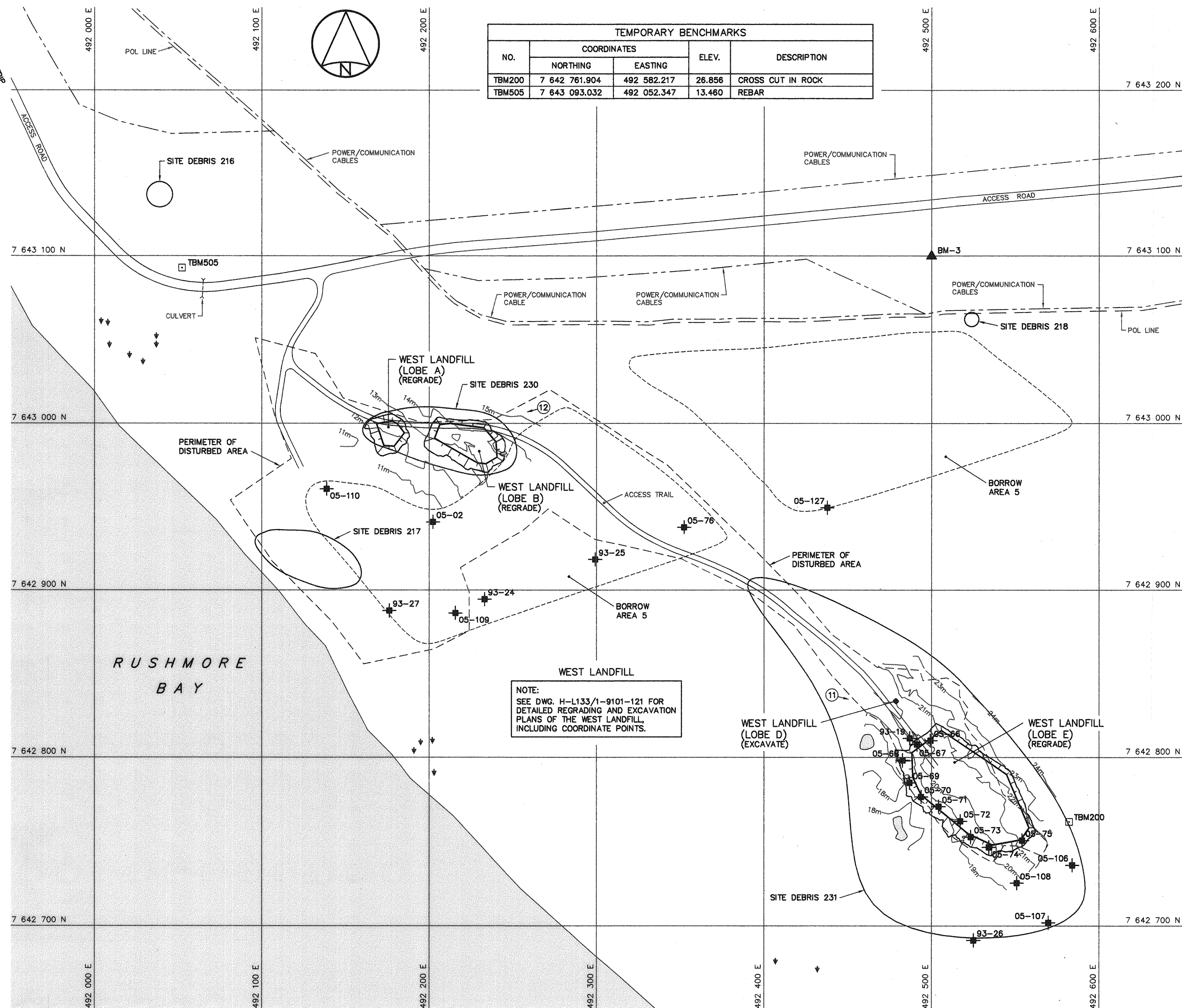
WEST BEACH AREA
SITE PLAN

SH. 2

PRODUCTION	CONCURRENCE - ASSENTIMENT	
DESIGNED ETUDE <i>TME / BWf</i>		DES OFF AGENT CONCEPT
DRAWN DESSINE <i>CAE</i>		SECT HD CHEF SECT
CHECKED VERIFIE <i>RRM</i>		DES MGR GEST CONCEPT
COORDINATION <i>SMS</i>	REVIEWED - REVU	

DWG. NO. - DESSIN NO.
H-L133/1-9101-108

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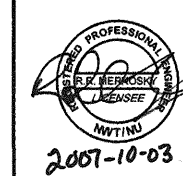
General Notes:

1. ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 18N. ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL, RELATIVE TO GEOD MODEL CANADIAN HT2.0.
2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
3. ALL NON-HAZARDOUS DEBRIS WITHIN PLAN AREA TO BE PLACED IN THE STATION AREA NON-HAZARDOUS WASTE LANDFILL.
4. REFER TO TABLE 02219-1 IN SPECIFICATIONS FOR DESCRIPTION OF DEBRIS AREAS.
5. 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:

- TEMPORARY BENCHMARK
- TEST PIT LOCATION
- DCC TIER I CONTAMINATED SOIL
- DCC TIER II CONTAMINATED SOIL
- HAZARDOUS CONTAMINATED SOIL
- BODY OF WATER
- LANDFILL/BURIED DEBRIS EXCAVATION AREA
- PHOTOGRAPHIC VIEWPOINT

No.	DATE	REVISION	REVISION	APPR.
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SCALE - ECHELLE 20 10 0 20 40 60m

PROJECT - PROJET
FOX-2 LONGSTAFF BLUFF

DEW LINE CLEAN UP

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TRADE - METIER SITING DATE 2007-10-02

SUBJECT - SUJET

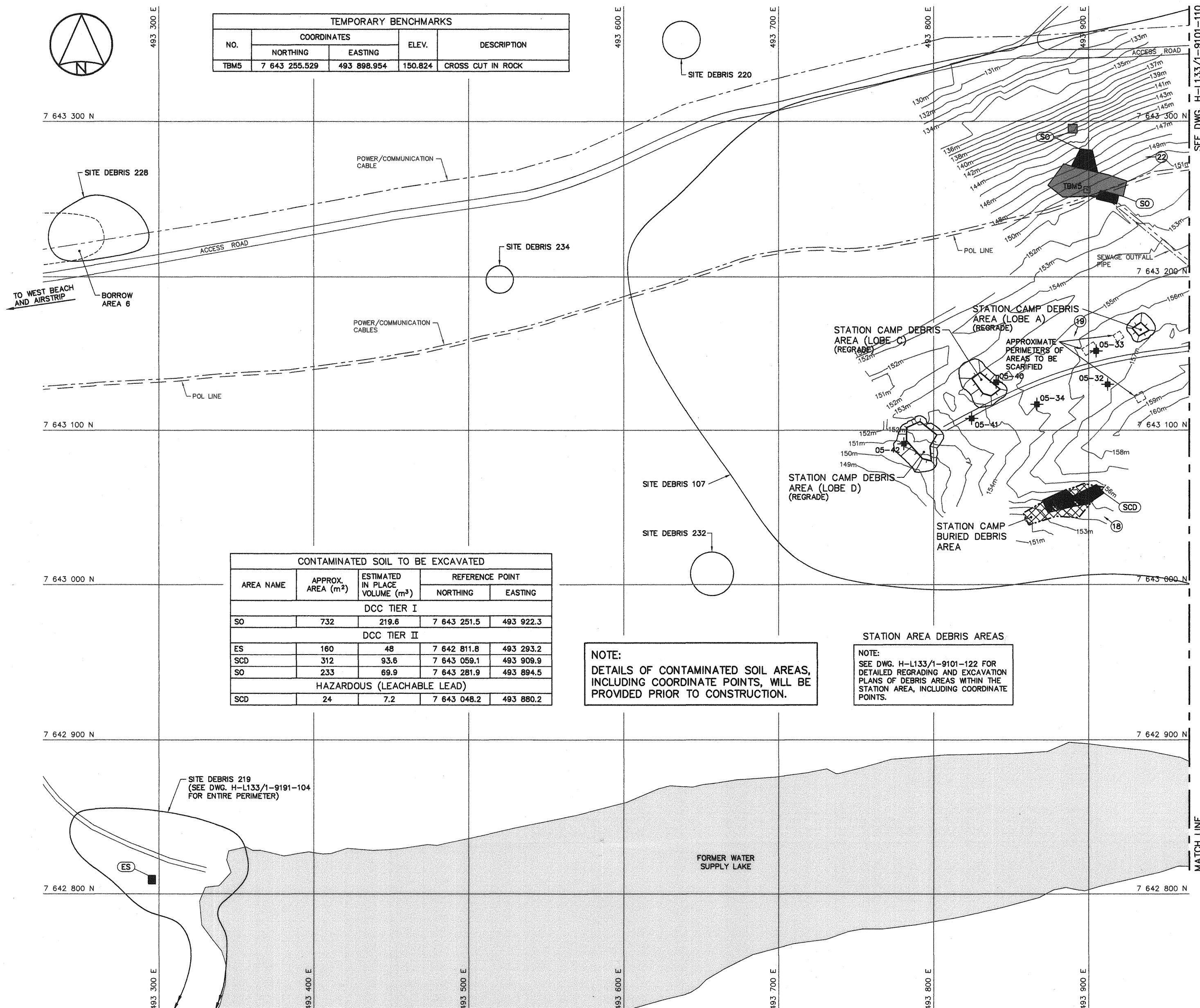
STATION AREA
SITE PLAN

SH. 1

PRODUCTION	CONCURRENCE - ASSENTIMENT
DESIGNED ETUDIE TME/BWF	DES OFF AGENT CONCEPT
DRAWN DESSINE CAE	SECT HD CHEF SECT
CHECKED VERIFIE RRM	DES MGR GEST CONCEPT
COORDINATION SMS	REVIEWED - REVU

DWG. NO. - DESSIN NO.
H-L133/1-9101-109

Canada



General Notes:

1. ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 18N. ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL, RELATIVE TO GEOID MODEL CANADIAN HT2.0.
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Legend:

- △ SURVEY CONTROL MONUMENT
- ✦ TEST PIT LOCATION
- DCC TIER I CONTAMINATED SOIL
- DCC TIER II CONTAMINATED SOIL
- HYDROCARBON - TYPE B CONTAMINATED SOIL
- ▨ HAZARDOUS CONTAMINATED SOIL
- ▨ LANDFILL/BURIED DEBRIS EXCAVATION AREA
- ⑮ PHOTOGRAPHIC VIEWPOINT

No.	DATE	REVISION	REVISION	APPR.
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SCALE - ECHILLE 20 10 0 20 40 60m

PROJECT - PROJET
FOX-2 LONGSTAFF BLUFF

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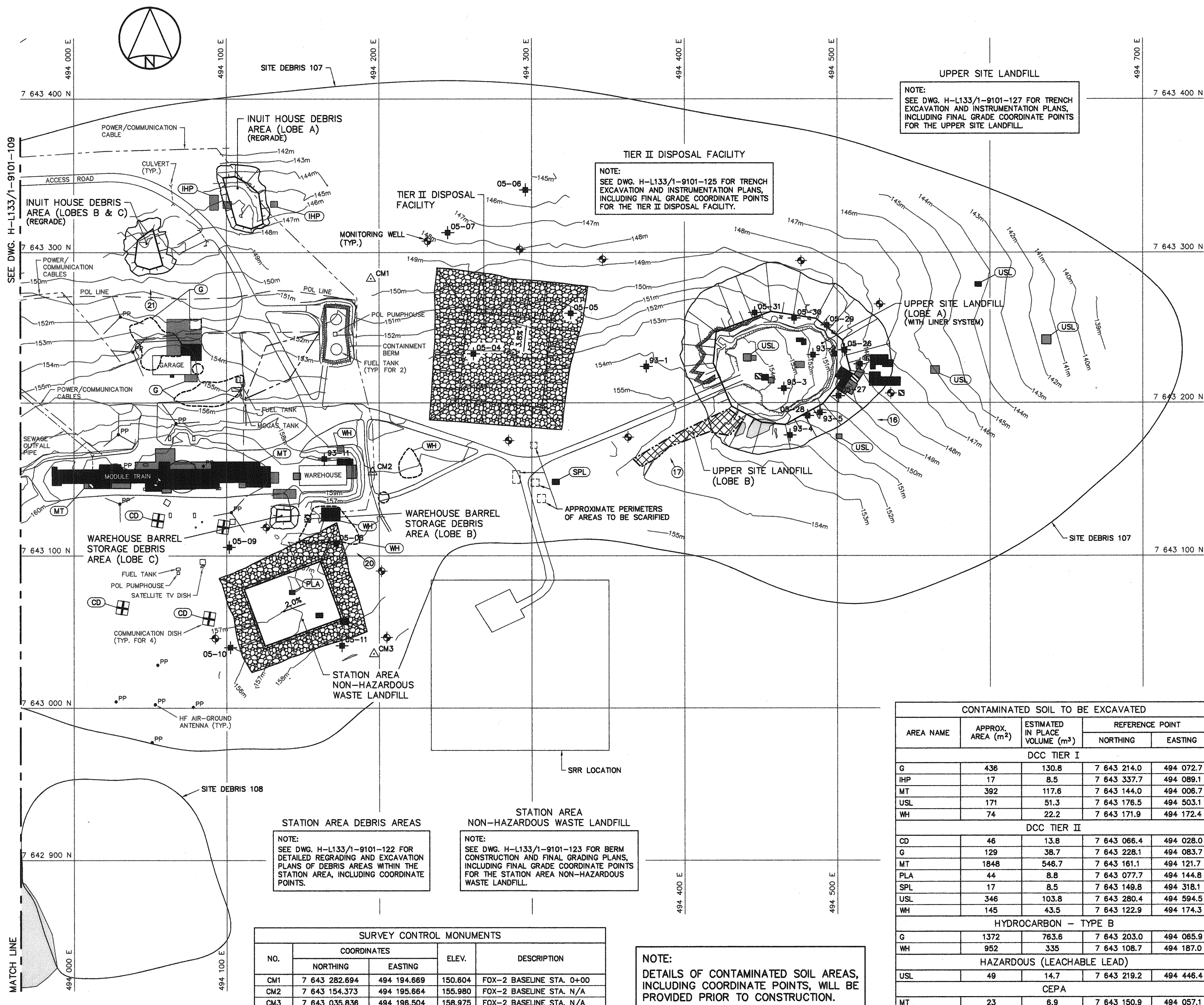
SUBJECT - SUJET

STATION AREA
SITE PLAN SH. 2

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

DWG. NO. - DESSIN NO.
H-133/1-9101-110

Canada












CONTAMINATED SOIL TO BE EXCAVATED				
AREA NAME	APPROX. AREA (m ²)	ESTIMATED IN PLACE VOLUME (m ³)	REFERENCE POINT	
			NORTHING	EASTING
DCC TIER I				
G	436	130.8	7 643 214.0	494 072.7
IHP	17	8.5	7 643 337.7	494 089.1
MT	392	117.6	7 643 144.0	494 006.7
USL	171	51.3	7 643 176.5	494 503.1
WH	74	22.2	7 643 171.9	494 172.4
DCC TIER II				
CD	46	13.8	7 643 066.4	494 028.0
G	129	38.7	7 643 228.1	494 083.7
MT	1848	546.7	7 643 181.1	494 121.7
PLA	44	8.8	7 643 077.7	494 144.8
SPL	17	8.5	7 643 149.8	494 318.1
USL	346	103.8	7 643 280.4	494 594.5
WH	145	43.5	7 643 122.9	494 174.3
HYDROCARBON – TYPE B				
G	1372	763.6	7 643 203.0	494 065.9
WH	952	335	7 643 108.7	494 187.0
HAZARDOUS (LEACHABLE LEAD)				
USL	49	14.7	7 643 219.2	494 446.4
CEPA				
MT	23	6.9	7 643 150.9	494 057.1

SURVEY CONTROL MONUMENTS				
NO.	COORDINATES		ELEV.	DESCRIPTION
	NORTHING	EASTING		
CM1	7 643 282.694	494 194.669	150.604	FOX-2 BASELINE STA. 0+00
CM2	7 643 154.373	494 195.664	155.980	FOX-2 BASELINE STA. N/A
CM3	7 643 035.836	494 196.504	158.975	FOX-2 BASELINE STA. N/A

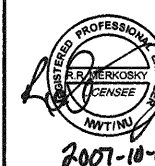
General Notes:

1. ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 18N. ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL, RELATIVE TO GEOID MODEL CANADIAN HT2_0.
2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
3. ALL NON-HAZARDOUS DEBRIS WITHIN PLAN AREA TO BE PLACED IN THE STATION AREA NON-HAZARDOUS WASTE LANDFILL.
4. REFER TO TABLE 02219-1 IN SPECIFICATIONS FOR DESCRIPTION OF DEBRIS AREAS.
5. 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.
6. FOR PERMANENT SURVEY CONTROL (BENCHMARK) INSTALLATION DETAILS, SEE DWG. H-L133/1-9101-132. LOCATIONS TO BE FIELD APPROVED BY THE ENGINEER.
7. ARCHAEOLOGICAL FEATURES LOCATED AS PER FINAL REPORT ON ARCHAEOLOGICAL MITIGATION STUDY AT FOX-2, LONGSTAFF BLUFF, BY THOMSON HERITAGE CONSULTANTS DATED MARCH 2006.

Legend:

- | | |
|---|---|
|  | TEST PIT LOCATION |
|  | DCC TIER I CONTAMINATED SOIL |
|  | DCC TIER II CONTAMINATED SOIL |
|  | HAZARDOUS CONTAMINATED SOIL |
|  | BODY OF WATER |
|  | LANDFILL/BURIED DEBRIS
EXCAVATION AREA |
|  | PHOTOGRAPHIC VIEWPOINT |
|  | PROPOSED PERMANENT BENCHMARK
LOCATION (1). (SEE NOTE 6). |
|  | ARCHAEOLOGICAL FEATURE |

No.	DATE	REVISION	REVISION	APPR
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LTD.

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SCALE - ECHELLE 20 10 0 20 40 60m

PROJECT - PROJET
FOX-2 LONGSTAFF BLUFF

DEW LINE CLEAN UP

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MINISTER OF NATIONAL DEFENCE.

TRADE - METIER	SITING
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DATE	2007-10-02
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SUBJECT - SUJET

EAST BEACH AREA - NORTH
SITE PLAN

PRODUCTION		CONCURRENCE - ASSESSMENT	
DESIGNED ETUDE	<i>TME/BWF</i>		DES OFF AGENT CONCEPT
DRAWN DESSINE	<i>CAE</i>		SECT HD CHEF SECT
CHECKED VERIFIE	<i>RRM</i>		DES MGR GEST CONCEPT
COORDINATION <i>SMS</i>		REVIEWED - REVU	

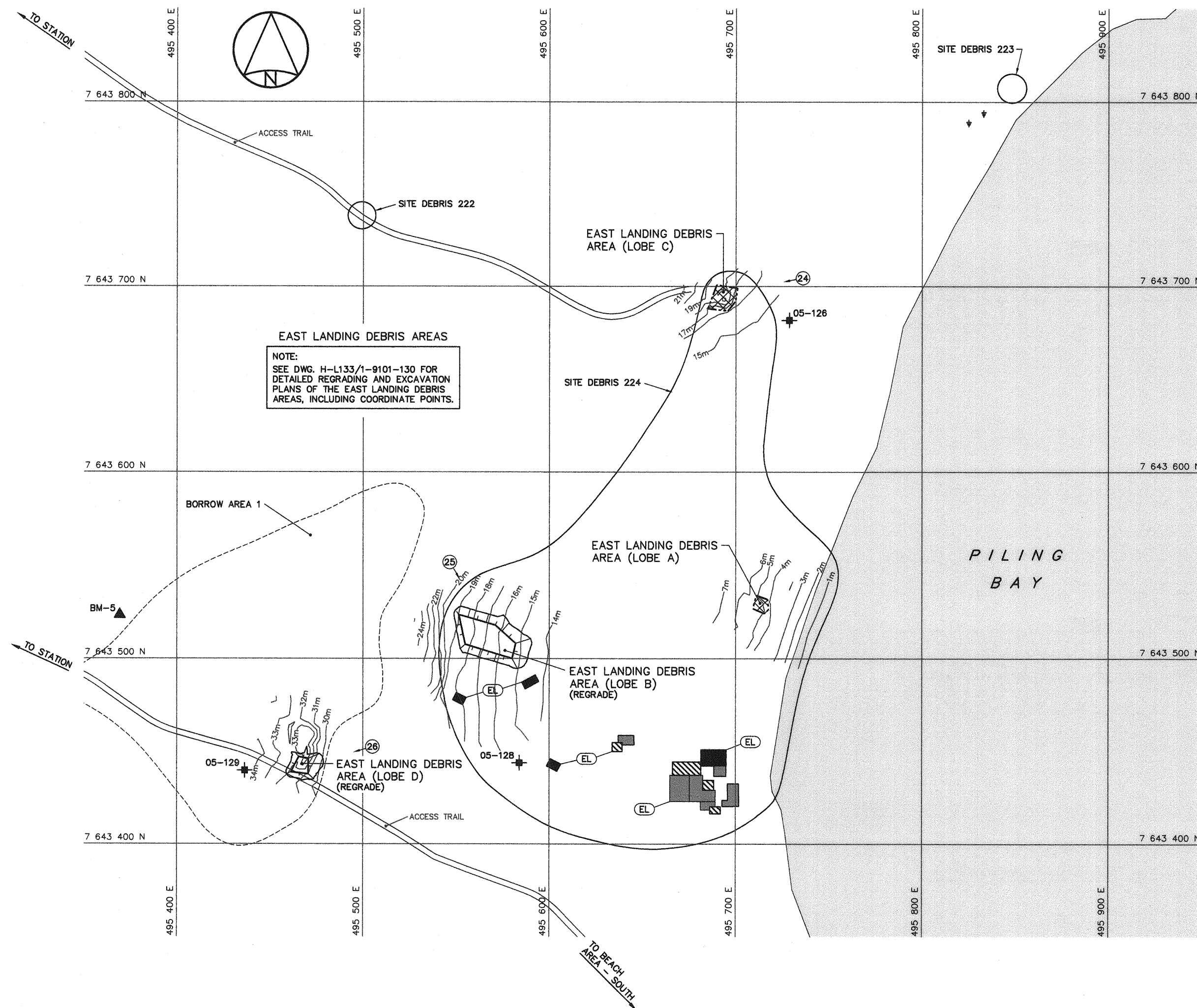
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H-L133/1-9101-112

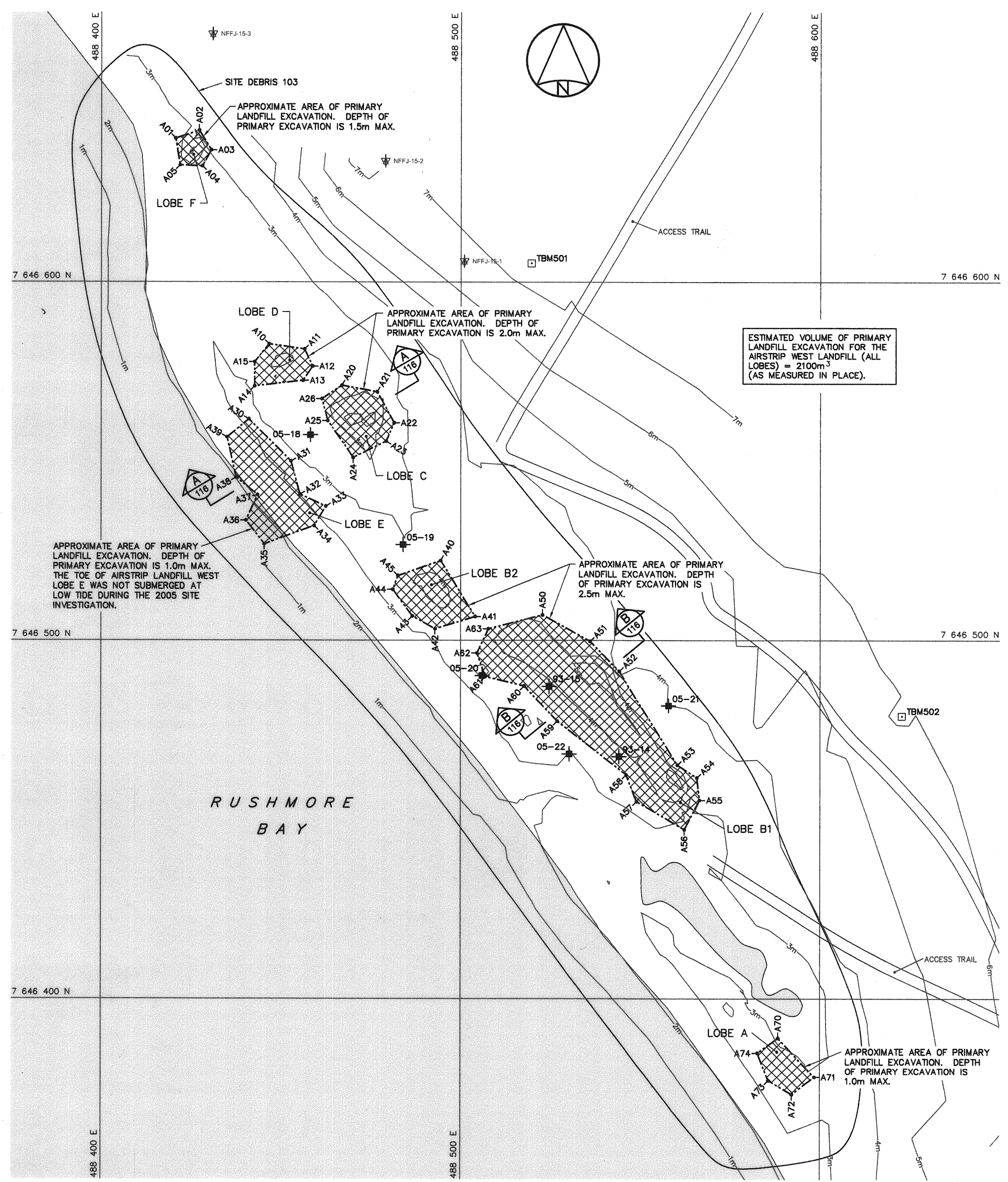
Canadă

CONTAMINATED SOIL TO BE EXCAVATED				
AREA NAME	APPROX. AREA (m ²)	ESTIMATED IN PLACE VOLUME (m ³)	REFERENCE POINT	
			NORTHING	EASTING
DCC TIER I				
EL	475	142.5	7 643 422.9	495 665.0
DCC TIER II				
EL	205	64.2	7 643 451.1	495 695.0
HAZARDOUS (LEACHABLE LEAD)				
EL	191	62.5	7 643 450.2	495 633.9

NOTE:

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





TEMPORARY BENCHMARKS				
NO.	COORDINATES		ELEV.	DESCRIPTION
	NORTHING	EASTING		
TBM501	7 646 605.389	488 519.700	7.573	REBAR
TBM502	7 646 478.838	488 622.796	6.303	REBAR

COORDINATE POINTS AIRSTRIPE WEST LANDFILL EXCAVATIONS				
NO.	COORDINATES		NO.	COORDINATES
	NORTHING	EASTING		NORTHING EASTING
A01	7 646 640.3	488 420.7	A39	7 646 556.4 488 435.0
A02	7 646 642.4	488 427.2		
A03	7 646 637.1	488 430.6	A40	7 646 522.1 488 494.5
A04	7 646 632.6	488 428.1	A41	7 646 506.7 488 504.1
A05	7 646 632.8	488 421.9	A42	7 646 503.3 488 492.9
			A43	7 646 506.9 488 486.6
A10	7 646 582.6	488 446.7	A44	7 646 514.2 488 481.1
A11	7 646 581.1	488 456.6	A45	7 646 518.0 488 482.6
A12	7 646 576.2	488 458.8		
A13	7 646 572.1	488 456.2	A50	7 646 507.2 488 522.8
A14	7 646 570.6	488 442.7	A51	7 646 499.8 488 536.1
A15	7 646 577.4	488 442.7	A52	7 646 491.3 488 544.2
			A53	7 646 465.2 488 560.4
A20	7 646 570.8	488 467.0	A54	7 646 461.6 488 565.8
A21	7 646 569.0	488 476.8	A55	7 646 455.4 488 566.6
A22	7 646 560.5	488 481.5	A56	7 646 447.1 488 562.3
A23	7 646 555.2	488 479.3	A57	7 646 455.0 488 549.0
A24	7 646 550.7	488 470.1	A58	7 646 462.4 488 546.1
A25	7 646 561.0	488 463.0	A59	7 646 477.4 488 526.9
A26	7 646 567.0	488 461.4	A60	7 646 487.4 488 517.8
			A61	7 646 489.9 488 506.9
A30	7 646 561.5	488 441.1	A62	7 646 496.5 488 504.6
A31	7 646 549.7	488 452.8	A63	7 646 503.3 488 507.8
A32	7 646 540.5	488 455.3		
A33	7 646 537.2	488 462.5	A70	7 646 389.2 488 588.4
A34	7 646 531.9	488 459.3	A71	7 646 378.4 488 598.5
A35	7 646 526.7	488 445.4	A72	7 646 373.6 488 592.2
A36	7 646 533.3	488 440.3	A73	7 646 377.4 488 585.7
A37	7 646 540.3	488 443.5	A74	7 646 385.1 488 582.7
A38	7 646 545.2	488 437.5		

Headquarters
Quartier général

- General Notes:
1. ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 18N. ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL, RELATIVE TO GEOID MODEL CANADIAN HT2.0.
 2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
 3. ALL NON-HAZARDOUS DEBRIS WITHIN PLAN AREA TO BE PLACED IN THE HANGAR NON-HAZARDOUS WASTE LANDFILL.
 4. REFER TO TABLE 02219-1 IN SPECIFICATIONS FOR DESCRIPTION OF DEBRIS AREAS.
 5. 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.
 6. ARCHAEOLOGICAL FEATURES LOCATED AS PER FINAL REPORT ON ARCHAEOLOGICAL MITIGATION STUDY AT FOX-2, LONGSTAFF BLUFF, BY THOMSON HERITAGE CONSULTANTS DATED MARCH 2006.

- Legend:
- TEMPORARY BENCHMARK
 - TEST PIT LOCATION
 - COORDINATE POINT
 - BODY OF WATER
 - LANDFILL/BURIED DEBRIS EXCAVATION AREA
 - ARCHAEOLOGICAL FEATURE

No.	DATE	REVISION	REVISION	APPR.
7-007-10-03		THE ASSOCIATION OF PROFESSIONAL ENGINEERS, GEOLOGISTS AND GEOPHYSICISTS OF THE NORTHWEST TERRITORIES PERMIT NUMBER P 007 UMA ENGINEERING LTD.		
UMA AECOM		HATCH		
SCALE - ECHELLE 10 5 0 10 20 30m				
PROJECT - PROJET FOX-2 LONGSTAFF BLUFF				
DEW LINE CLEAN UP				
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TRADE - METIER SITING		DATE 2007-10-02		
SUBJECT - SUJET AIRSTRIPE WEST LANDFILL EXCAVATION PLAN				
PRODUCTION		CONCURRENCE - ASSENTIMENT		
DESIGNED ETUDIE TME/BWF		DES OFF AGENT CONCEPT		
DRAWN DESSINE CAE		SECT HD CHEF SECT		
CHECKED VERIFIE RRM		DES MGR GEST CONCEPT		
COORDINATION SMS		REVIEWED - REVU		
DWG. NO. - DESSIN NO. H-L133/1-9101-113				

General Notes:

1. ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 18N. ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL, RELATIVE TO GEIOD MODEL CANADIAN HT2.0.
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4. 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.
5. REGRADED SIDE SLOPES 6H:1V MAXIMUM UNLESS NOTED OTHERWISE.

Legend:

- TEST PIT LOCATION
- DCC TIER I CONTAMINATED SOIL
- DCC TIER II CONTAMINATED SOIL
- HYDROCARBON - TYPE B CONTAMINATED SOIL
- COORDINATE POINT
- BODY OF WATER
- LANDFILL/BURIED DEBRIS EXCAVATION AREA

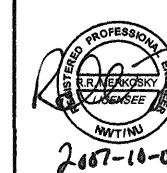
NOTE:
DETAILS OF CONTAMINATED SOIL AREAS,
INCLUDING COORDINATE POINTS, WILL BE
PROVIDED PRIOR TO CONSTRUCTION.

CONTAMINATED SOIL TO BE EXCAVATED				
AREA NAME	APPROX. AREA (m ²)	ESTIMATED IN PLACE VOLUME (m ³)	REFERENCE POINT	
			NORTHING	EASTING
DCC TIER I				
H	280	84	7 646 193.0	488 871.0
DCC TIER II				
H	139	44.2	7 646 266.4	488 871.0
JP	152	45.6	7 646 309.8	488 858.3
HYDROCARBON – TYPE B				
AA	805	724.5	7 646 291.9	488 913.4
H	2183	2091.8	7 646 236.2	488 906.7
JP	117	49.2	7 646 293.3	488 870.0

COORDINATE POINTS APRON DEBRIS AREA REGRAIDING		
NO.	COORDINATES	
	NORTHING	EASTING
B01	7 646 333.8	488 862.8
B02	7 646 333.3	488 868.4
B03	7 646 317.3	488 878.4
B04	7 646 317.4	488 863.1

COORDINATE POINTS APRON DEBRIS AREA EXCAVATIONS		
NO.	COORDINATES	
	NORTHING	EASTING
B10	7 646 315.8	488 832.9
B11	7 646 303.5	488 839.6
B12	7 646 300.6	488 823.5
B13	7 646 305.1	488 814.7
B14	7 646 312.1	488 824.1
B20	7 646 304.2	488 808.0
B21	7 646 305.0	488 812.0
B22	7 646 299.7	488 815.1
B23	7 646 295.6	488 820.8
B24	7 646 292.3	488 817.2

COORDINATE POINTS HANGAR PAD DEBRIS AREA EXCAVATION		
NO.	COORDINATES	
	NORTHING	EASTING
C01	7 646 240.4	488 835.2
C02	7 646 215.6	488 854.9
C03	7 646 204.1	488 863.6
C04	7 646 191.5	488 868.5
C05	7 646 190.9	488 867.0
C06	7 646 191.8	488 861.7
C07	7 646 197.4	488 854.2
C08	7 646 204.8	488 851.2
C09	7 646 223.4	488 838.5
C10	7 646 231.0	488 833.2
C11	7 646 235.3	488 833.2



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UMA AECOM HATCH

SCALE - ECHELLE 5 2.5 0 5 10 15m

PROJECT - PROJET
FOX-2 LONGSTAFF BLUFF

DEW LINE CLEAN UP

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TRADE - METIER SITING DATE 2007-10-02

SUBJECT - SUJET

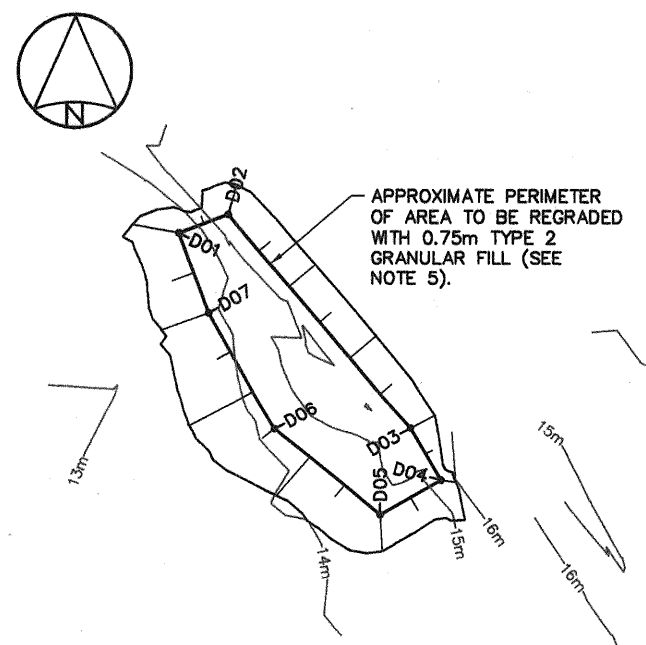
HANGAR AREA
REGRAIDING AND EXCAVATION PLAN

PRODUCTION		CONCURRENCE - ASSENTMENT	
DESIGNED ETUDIE TME/BWF		DES OFF AGENT CONCEPT	
DRAWN DESSINE CAE		SECT HD CHEF SECT	
CHECKED VERIFIE RRM		DES MGR GEST CONCEPT	
COORDINATION SMB		REVISED - REVU	

DWG. NO. - DESSIN NO.
H-1133/1-9101-114

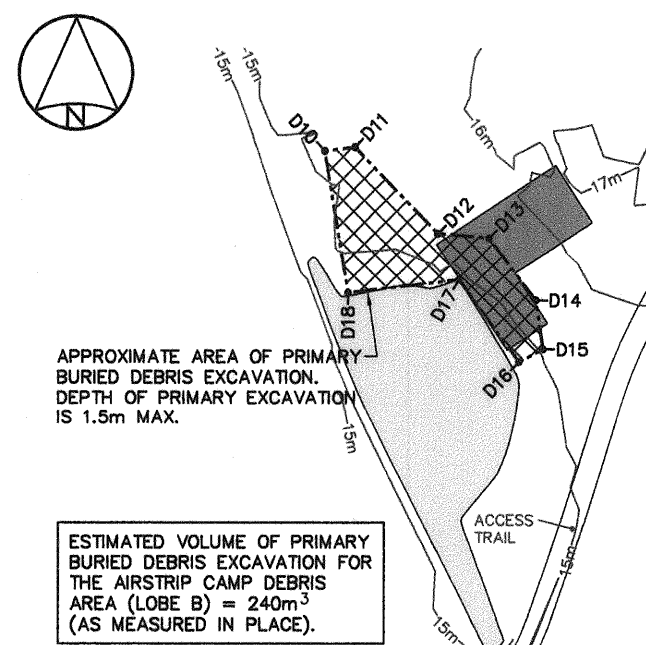
Canada

COORDINATE POINTS LOBE A REGRADING		
NO.	COORDINATES	
	NORTHING	EASTING
D01	7 646 683.8	488 937.6
D02	7 646 686.2	488 944.1
D03	7 646 657.8	488 968.2
D04	7 646 650.6	488 972.2
D05	7 646 646.0	488 964.2
D06	7 646 657.7	488 950.2
D07	7 646 673.2	488 941.5



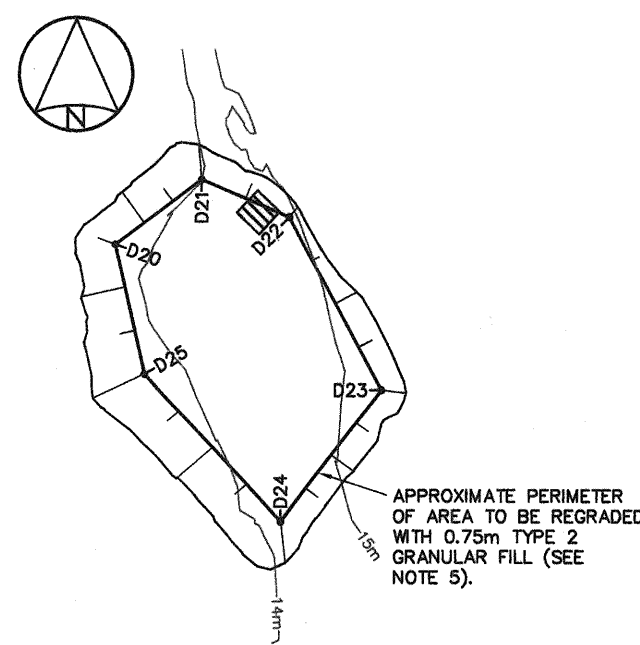
AIRSTRIp CAMP DEBRIS AREA LOBE A
(DWG. 106)

COORDINATE POINTS LOBE B EXCAVATION					
NO.	COORDINATES		NO.	COORDINATES	
	NORTHING	EASTING		NORTHING	EASTING
D10	7 646 560.1	489 041.1	D15	7 646 534.2	489 070.0
D11	7 646 560.6	489 045.1	D16	7 646 532.4	489 066.8
D12	7 646 549.5	489 056.1	D17	7 646 543.3	489 058.9
D13	7 646 548.9	489 062.8	D18	7 646 541.6	489 044.2
D14	7 646 540.6	489 069.0			



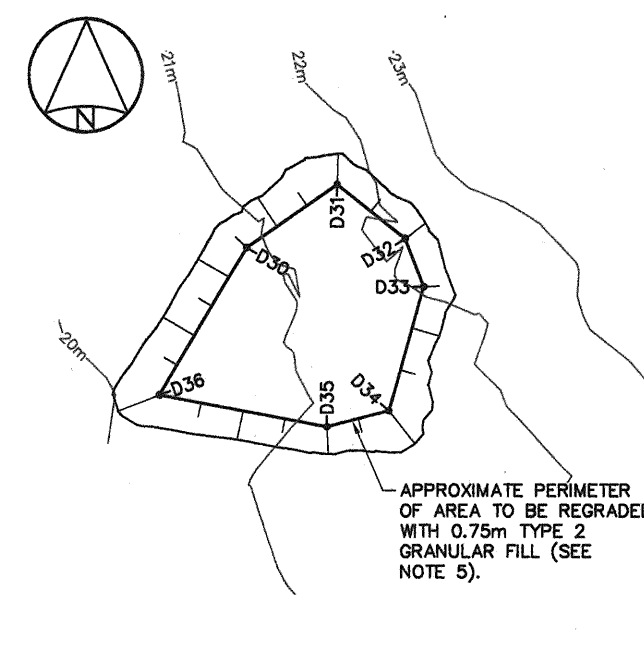
AIRSTRIp CAMP DEBRIS AREA LOBE B
(DWG. 106)

COORDINATE POINTS LOBE D REGRADING		
NO.	COORDINATES	
	NORTHING	EASTING
D20	7 646 411.5	489 067.0
D21	7 646 419.9	489 078.4
D22	7 646 415.1	489 090.0
D23	7 646 392.2	489 102.1
D24	7 646 374.2	489 088.9
D25	7 646 394.3	489 070.9



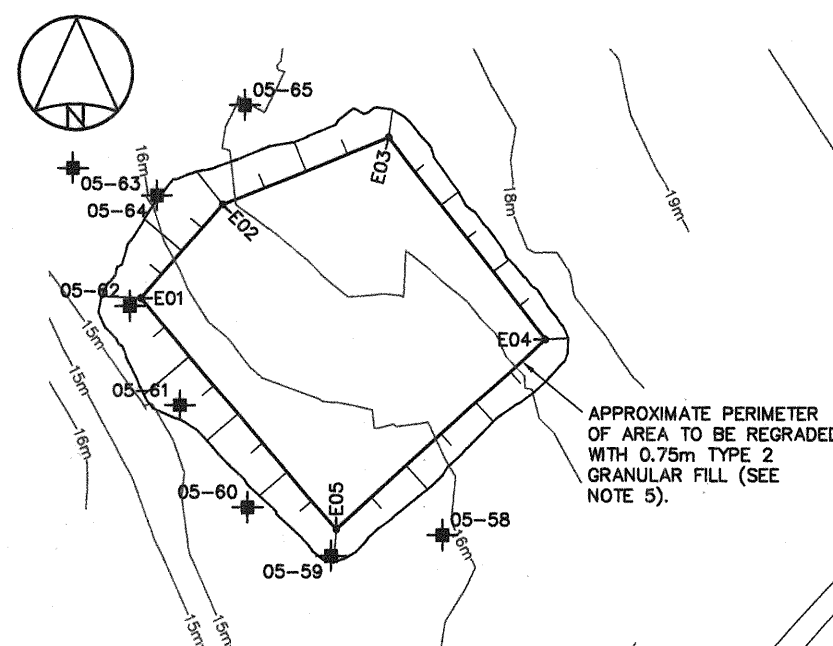
AIRSTRIp CAMP DEBRIS AREA LOBE D
(DWG. 106)

COORDINATE POINTS LOBE E REGRADING		
NO.	COORDINATES	
	NORTHING	EASTING
D30	7 646 496.9	489 187.6
D31	7 646 505.1	489 199.5
D32	7 646 498.1	489 208.5
D33	7 646 491.6	489 210.9
D34	7 646 475.1	489 206.4
D35	7 646 472.9	489 198.2
D36	7 646 477.3	489 176.1



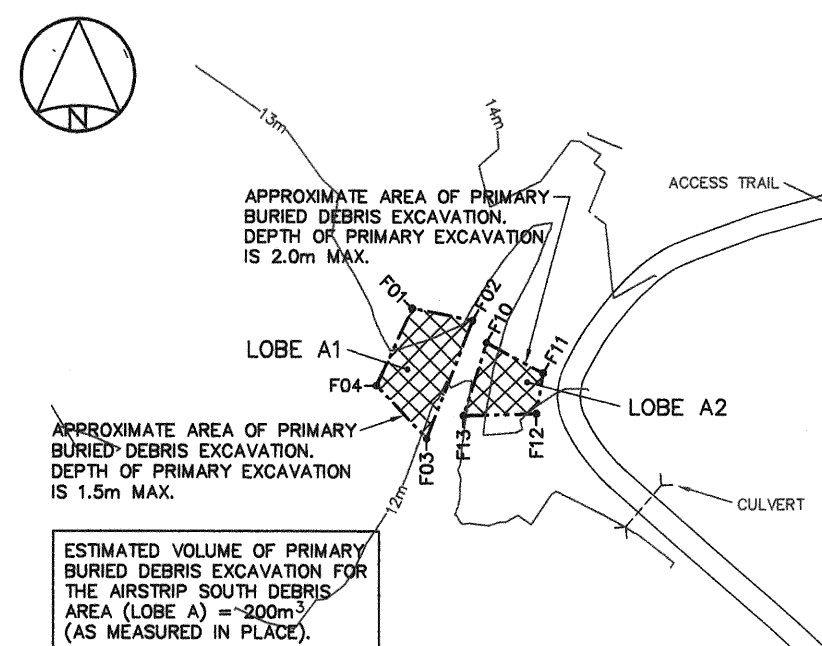
AIRSTRIp CAMP DEBRIS AREA LOBE E
(DWG. 106)

COORDINATE POINTS LOBE A REGRADING		
NO.	COORDINATES	
	NORTHING	EASTING
E01	7 646 614.9	489 020.7
E02	7 646 627.4	489 031.5
E03	7 646 636.4	489 053.4
E04	7 646 609.6	489 074.2
E05	7 646 584.5	489 046.5



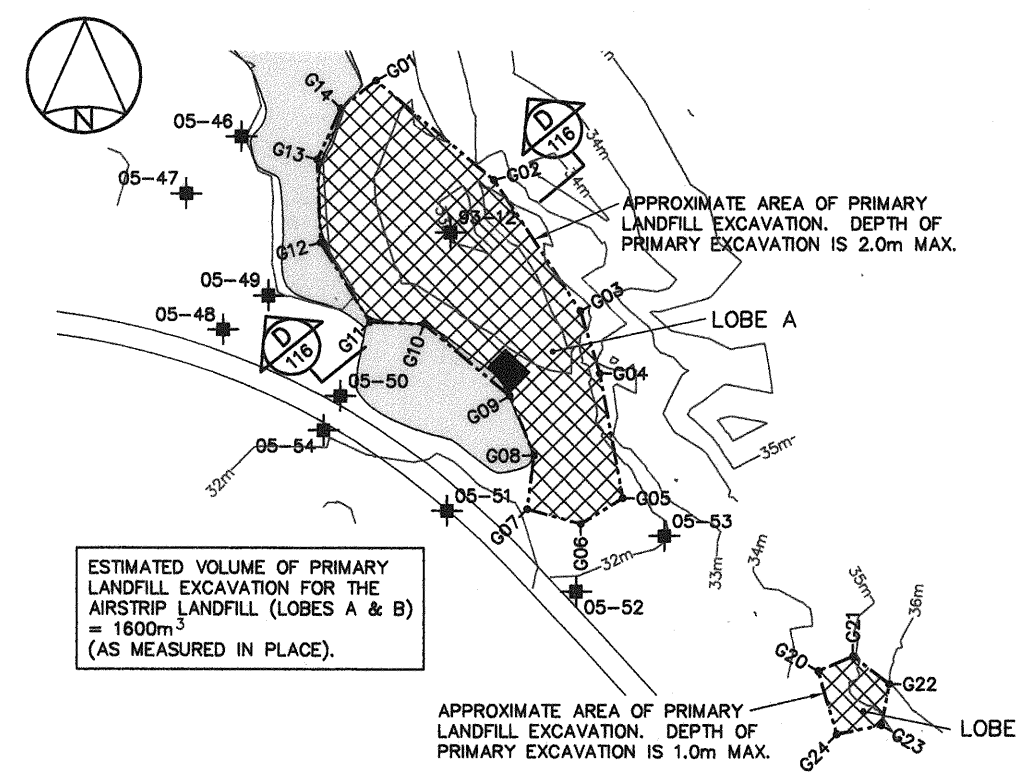
AIRSTRIp CAMP LANDFILL LOBE A
(DWG. 106)

COORDINATE POINTS LOBE A EXCAVATION					
NO.	COORDINATES		NO.	COORDINATES	
	NORTHING	EASTING		NORTHING	EASTING
F01	7 646 257.8	489 109.1	F10	7 646 253.3	489 118.9
F02	7 646 256.3	489 117.1	F11	7 646 249.4	489 126.3
F03	7 646 240.7	489 111.0	F12	7 646 243.9	489 125.4
F04	7 646 247.7	489 104.3	F13	7 646 243.7	489 115.8



AIRSTRIp SOUTH DEBRIS AREA LOBE A
(DWG. 106)

COORDINATE POINTS LOBE A AND LOBE B EXCAVATION					
NO.	COORDINATES		NO.	COORDINATES	
	NORTHING	EASTING		NORTHING	EASTING
G01	7 646 704.1	489 373.7	G11	7 646 672.1	489 372.9
G02	7 646 690.9	489 389.2	G12	7 646 682.6	489 366.4
G03	7 646 673.6	489 400.7	G13	7 646 693.6	489 366.0
G04	7 646 665.2	489 403.2	G14	7 646 700.4	489 369.0
G05	7 646 648.9	489 406.3			
G06	7 646 645.4	489 400.7	G20	7 646 626.0	489 432.1
G07	7 646 647.4	489 393.7	G21	7 646 628.0	489 436.7
G08	7 646 654.4	489 394.6	G22	7 646 624.4	489 441.4
G09	7 646 662.2	489 391.4	G23	7 646 618.9	489 440.4
G10	7 646 671.8	489 380.0	G24	7 646 617.7	489 434.5



AIRSTRIp LANDFILL
(DWG. 106)

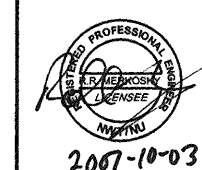
General Notes:

- ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 18N. ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL, RELATIVE TO GEOID MODEL CANADIAN HT2_0.
- ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- ALL NON-HAZARDOUS DEBRIS WITHIN PLAN AREA TO BE PLACED IN THE HANGAR NON-HAZARDOUS WASTE LANDFILL.
- 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.
- REGRADED SIDE SLOPES 6H:1V MAXIMUM UNLESS NOTED OTHERWISE.

Legend:

- TEST PIT LOCATION
- DCC TIER I CONTAMINATED SOIL
- DCC TIER II CONTAMINATED SOIL
- HYDROCARBON - TYPE B CONTAMINATED SOIL
- HAZARDOUS CONTAMINATED SOIL
- COORDINATE POINT
- BODY OF WATER
- LANDFILL/BURIED DEBRIS EXCAVATION AREA

No.	DATE	REVISION	REVISION	APPR.
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OF THE NORTHERN TERRITORIES
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SCALE - ECHELLE 10 5 0 10 20 30m

PROJECT - PROJET
FOX-2 LONGSTAFF BLUFF

DEW LINE CLEAN UP

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TRADE - METIER SITING DATE 2007-10-02

SUBJECT - SUJET
AIRSTRIp AREA - EAST
REGRADED AND EXCAVATION
DETAILS

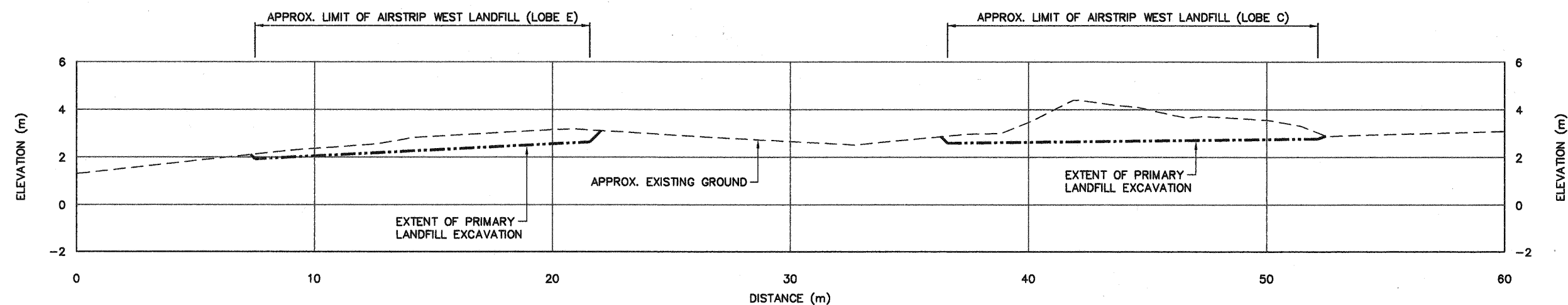
PRODUCTION	CONCURRENCE - ASSENTMENT
DESIGNED ETUDIE TIME/BWF	DES OFF AGENT CONCEPT
DRAWN DESSINE CAE	SECT HD CHIEF SECT
CHECKED VERIFIE RRM	DES MGR GEST CONCEPT
COORDINATION SMS	REVIEWED - REVU

DWG. NO. - DESSIN NO.
H-133/1-9101-115

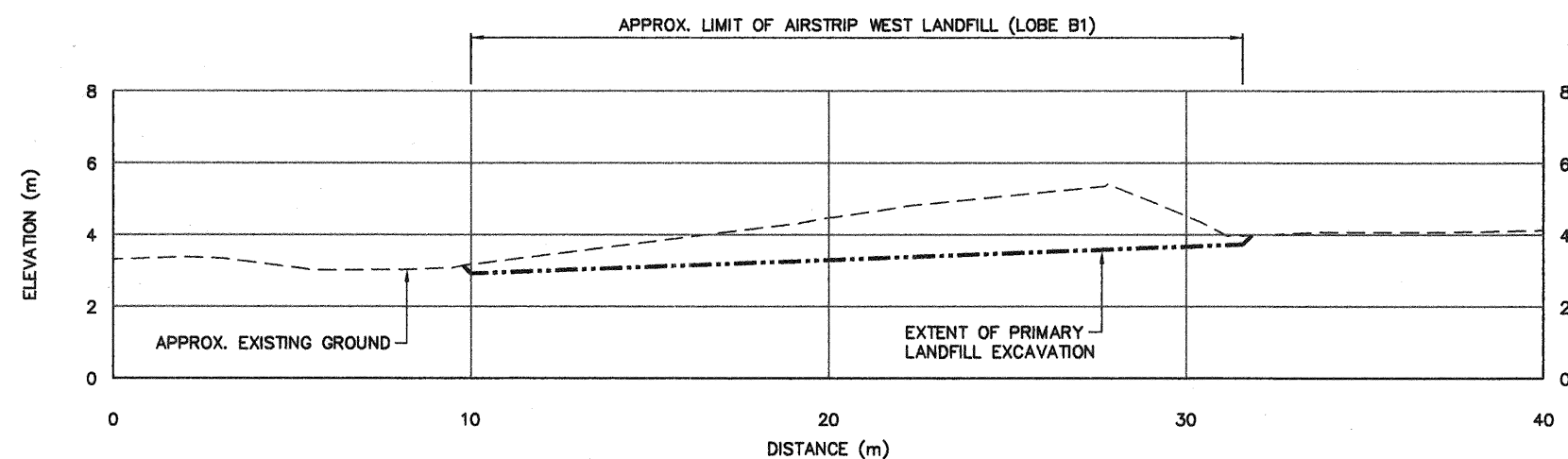
General Notes:

1. ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 18N. ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL, RELATIVE TO GEOID MODEL CANADIAN HT2_0.
2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.

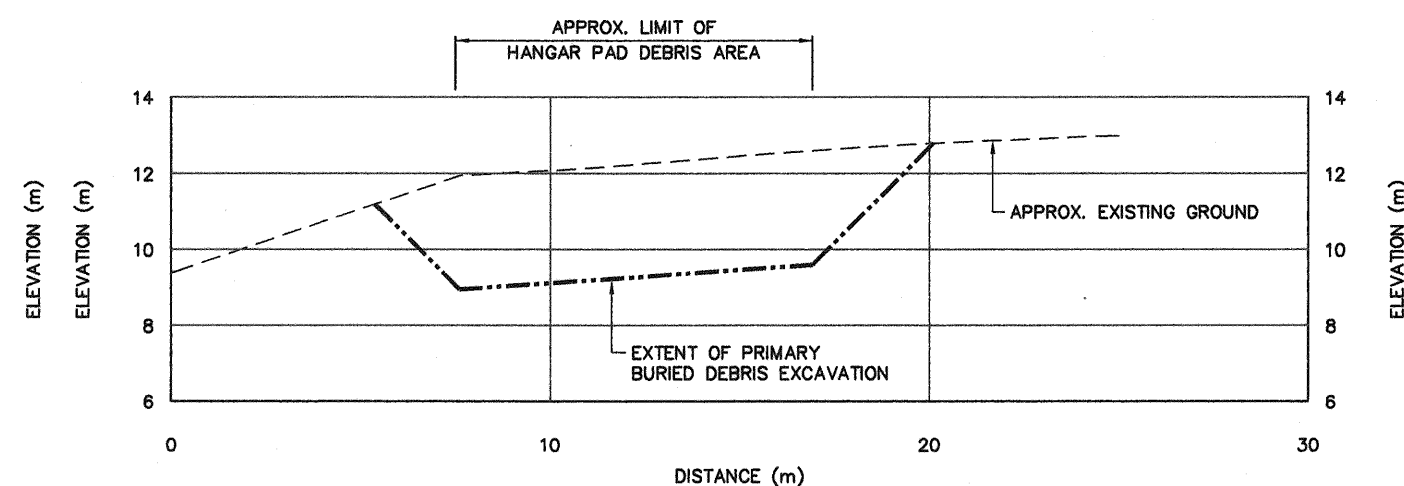
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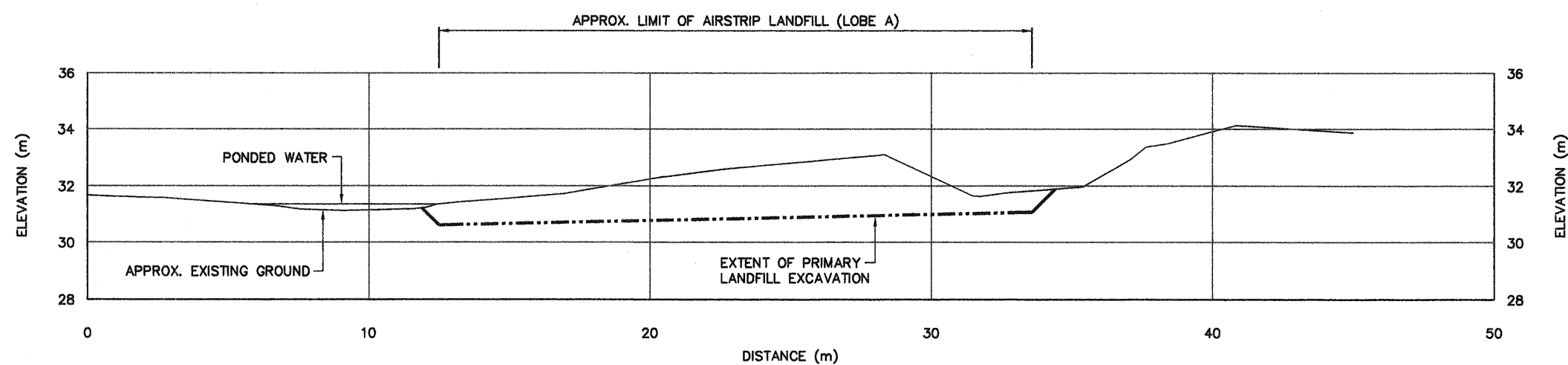
SECTION **A**
113



SECTION **B**
113

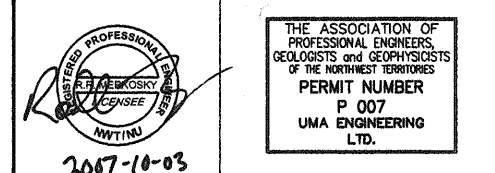


SECTION **C**
114



SECTION **D**
115

No.	DATE	REVISION	REVISION	APPR.



UMA | AECOM | HATCH

SCALE - ECHELLE 2 1 0 2 4 6m

PROJECT - PROJET
FOX-2 LONGSTAFF BLUFF

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TRADE - METIER SITING DATE 2007-10-02

SUBJECT - SUJET

LANDFILL AND BURIED DEBRIS
EXCAVATION CROSS SECTIONS

PRODUCTION	CONCURRENCE - ASSENTIMENT
DESIGNED ETUDIE TIME/BWF	DES OFF AGENT CONCEPT
DRAWN DESSINE CAE	SECT HD CHEF SECT
CHECKED VERIFIE RRM	DES MGR GEST CONCEPT
COORDINATION SMS	REVIEWED - REVU

DWG. NO. - DESSIN NO.
H-L133/1-9101-116

Canada

General Notes:

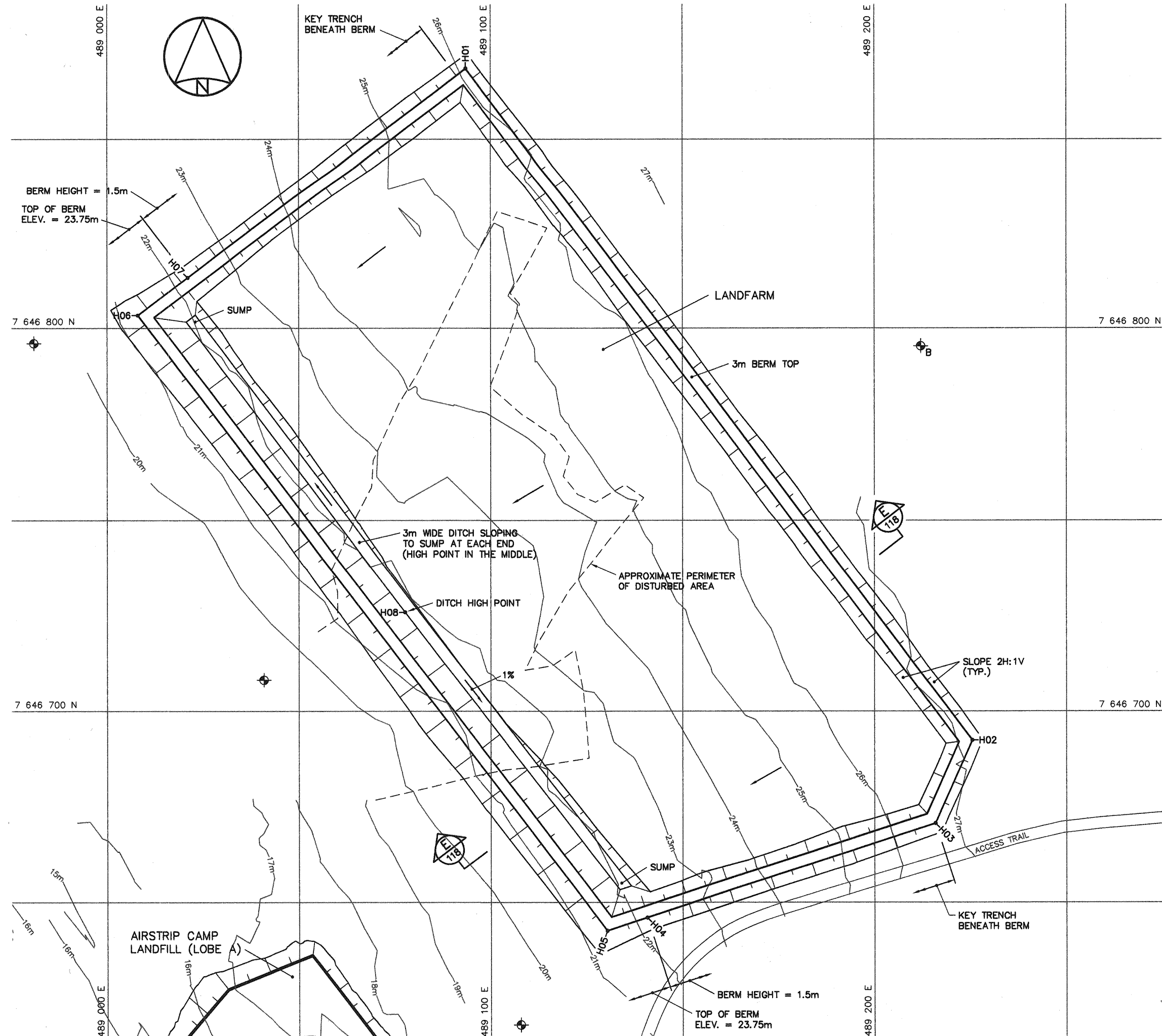
1. ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 18N. ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL, RELATIVE TO GEOD MODEL CANADIAN HT2_0.
2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
3. FOR MONITORING WELL INSTALLATION DETAILS, SEE DWG. H-L133/1-9101-132. LOCATIONS TO BE FIELD APPROVED BY THE ENGINEER.

Legend:

- COORDINATE POINT
- PROPOSED MONITORING WELL LOCATION (3)
- PROPOSED BACKGROUND MONITORING WELL LOCATION (1)

No.	DATE	REVISION	REVISION	APPR.
2-07-10-03				
		THE ASSOCIATION OF PROFESSIONAL ENGINEERS, GEOLOGISTS AND GEOPHYSICISTS OF THE NORTHWEST TERRITORIES PERMIT NUMBER P 007 UMA ENGINEERING LTD.		
UMA		AECOM		HATCH
SCALE - ECHELLE 10 5 0 10 20 30m				
PROJECT - PROJET FOX-2 LONGSTAFF BLUFF				
DEW LINE CLEAN UP				
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TRADE - METIER SITING		DATE 2007-10-02		
SUBJECT - SUJET LANDFARM GRADING PLAN				
PRODUCTION		CONCURRENCE - ASSENTIMENT		
DESIGNED ETUDIE TIME/BWF		DES OFF AGENT CONCEPT		
DRAWN DESSINE CAE		SECT HD CHEF SECT		
CHECKED VERIFIE RRM		DES MGR GEST CONCEPT		
COORDINATION SMS		REVIEWED - REVU		
DWG. NO. - DESSIN NO. H-L133/1-9101-117				

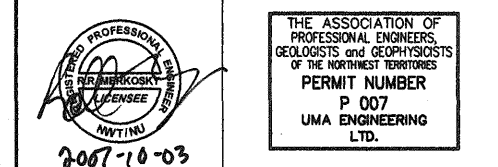
COORDINATE POINTS LANDFARM							
NO.	COORDINATES		ELEV.	NO.	COORDINATES		ELEV.
	NORTHING	EASTING			NORTHING	EASTING	
H01	7 646 868.5	489 093.5	N/A	H05	7 646 642.7	489 130.3	23.75
H02	7 646 692.5	489 225.5	N/A	H06	7 646 803.4	489 008.0	23.75
H03	7 646 670.6	489 215.9	N/A	H07	7 646 813.3	489 021.1	23.75
H04	7 646 646.1	489 140.8	23.75	H08	7 646 726.1	489 077.7	N/A



- General Notes:
- ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 18N. ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL, RELATIVE TO GEIOD MODEL CANADIAN HT2_0.
 - ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.

Legend:

No.	DATE	REVISION	REVISION	APPR.



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SCALE - ECHELLE 2 1 0 2 4 6m

PROJECT - PROJET
FOX-2 LONGSTAFF BLUFF

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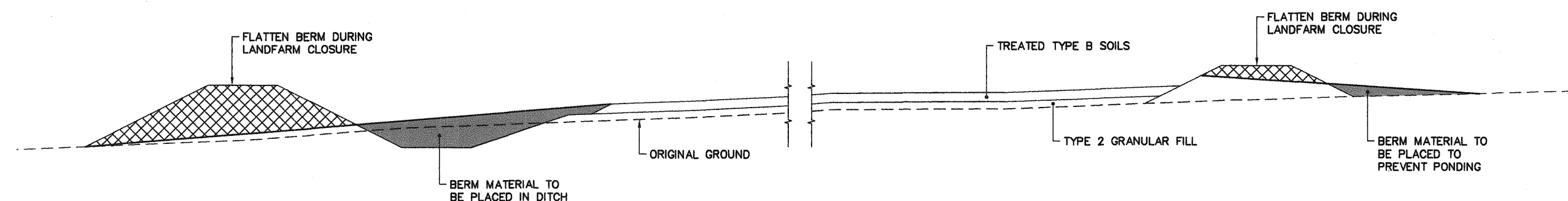
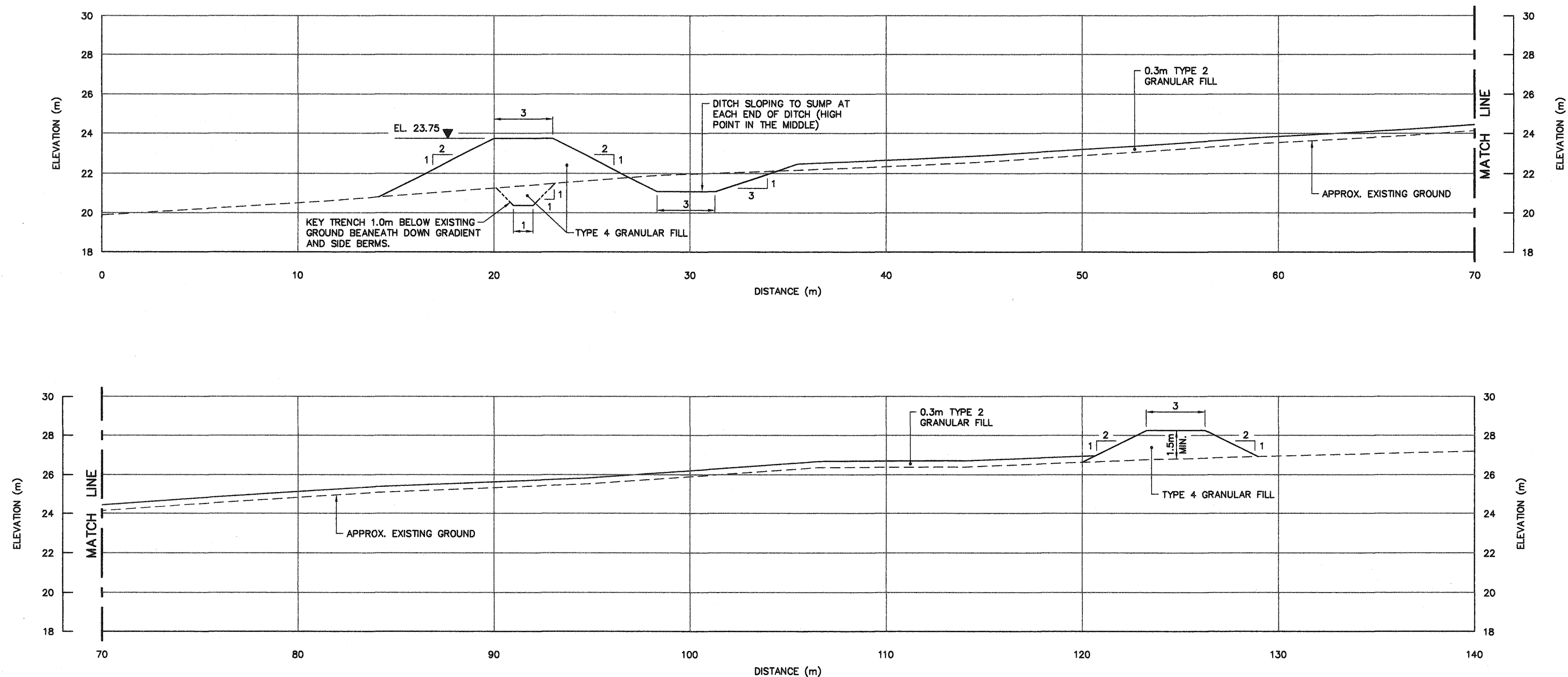
TRADE - METIER SITING DATE 2007-10-02

SUBJECT - SUJET
LANDFARM
CROSS SECTION AND
CLOSURE DETAIL

PRODUCTION	CONCURRENCE - ASSENTIMENT
DESIGNED ETUDIE TIME/BWF	DES OFF AGENT CONCEPT
DRAWN DESSINE CAE	SECT HD CHEF SECT
CHECKED VERIFIE RRM	DES MGR GEST CONCEPT
COORDINATION SMS	REVIEWED - REVU

DWG. NO. - DESSIN NO.
H-L133/1-9101-118

Canada



LANDFARM CLOSURE DETAIL

General Notes:

1. ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 18N. ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL, RELATIVE TO GEOID MODEL CANADIAN HT2.0.
2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
3. 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.
4. FOR MONITORING WELL INSTALLATION DETAILS, SEE DWG. H-L133/1-9101-132. LOCATIONS TO BE FIELD APPROVED BY THE ENGINEER.
5. VARIABLE SLOPE ON LANDFILL SURFACE PERMITTED. MINIMUM 2% - MAXIMUM 4%.

Legend:

- COORDINATE POINT
- PROPOSED MONITORING WELL LOCATION (3)
- PROPOSED BACKGROUND MONITORING WELL LOCATION (1)

No.	DATE	REVISION	REVISION	APPR.
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OF THE NORTHWEST TERRITORIES
PERMIT NUMBER
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UMA ENGINEERING
LTD.

UMA | AECOM | HATCH

SCALE - ECHELLE 10 5 0 10 20 30m

PROJECT - PROJET
FOX-2 LONGSTAFF BLUFF

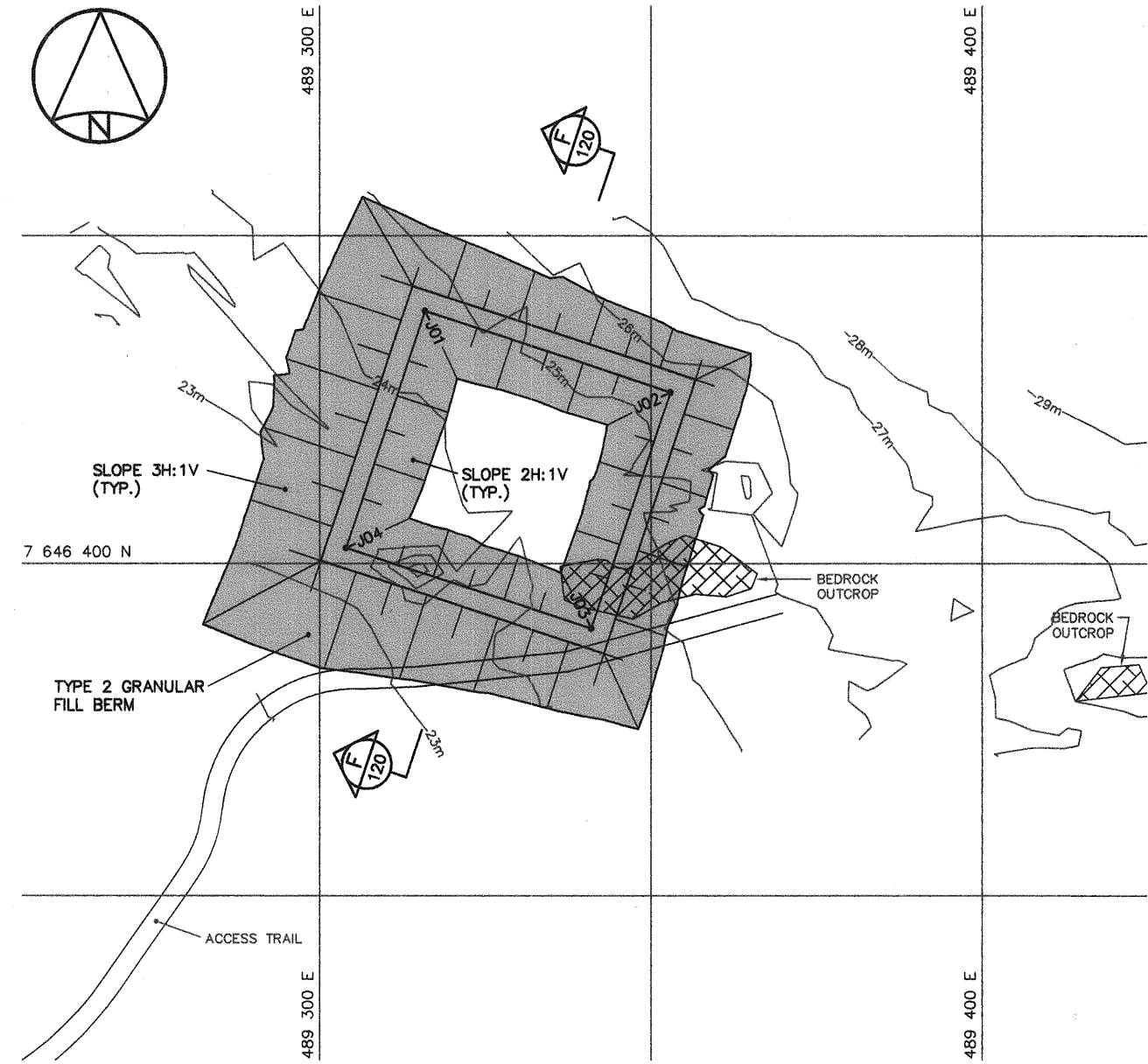
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TRADE - METIER SITING DATE
2007-10-02

SUBJECT - SUJET
HANGAR NON-HAZARDOUS WASTE
LANDFILL BERM CONSTRUCTION
AND FINAL GRADING PLANS

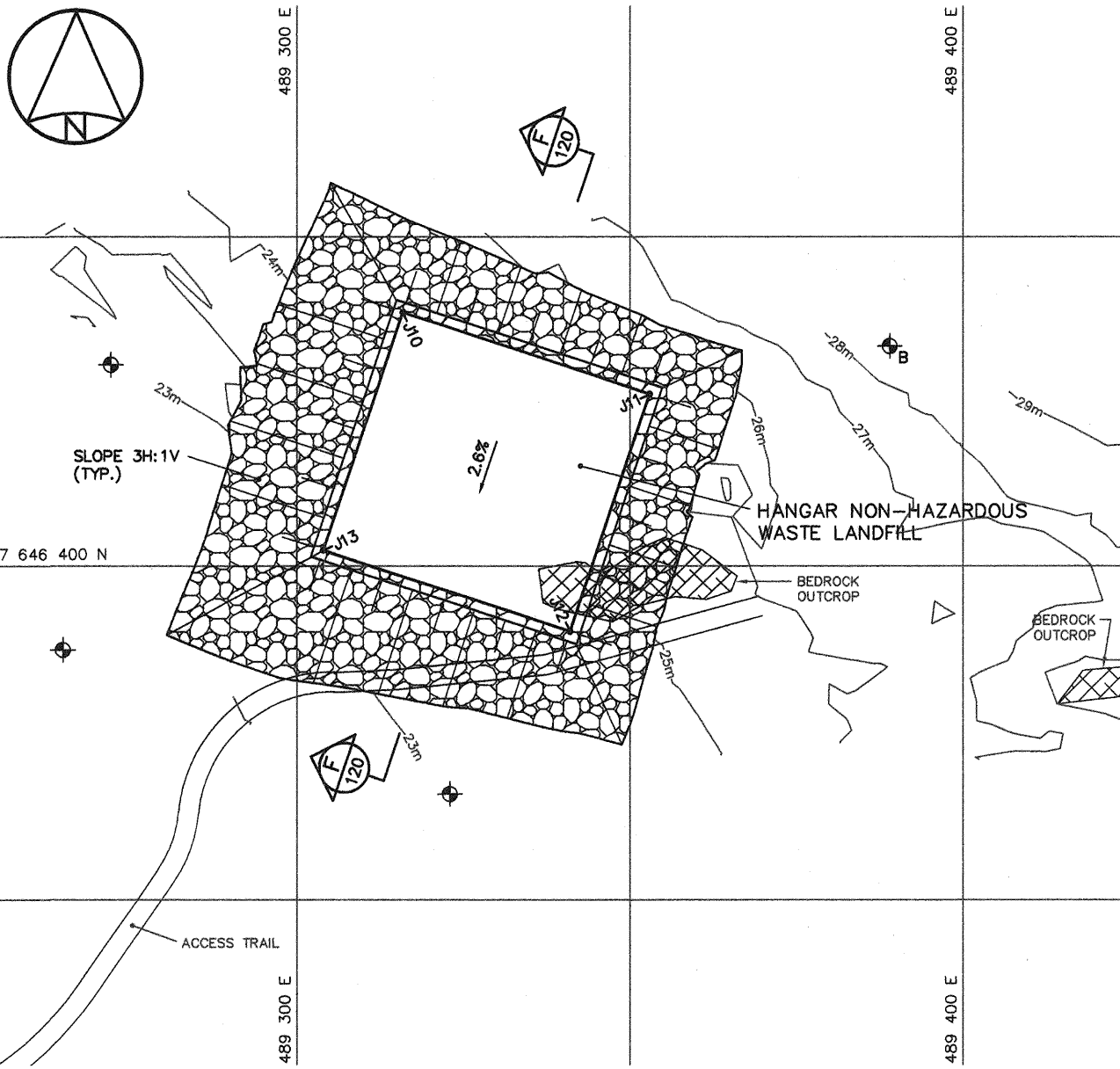
PRODUCTION	CONCURRENCE - ASSENTIMENT
DESIGNED ETUDIE TME/BWF	DES OFF AGENT CONCEPT
DRAWN DESSINE CAE	SECT HD CHEF SECT
CHECKED VERIFIE RRM	DES MGR GEST CONCEPT
COORDINATION SMS	REVIEWED - REVU

DWG. NO. - DESSIN NO.
H-L133/1-9101-119



BERM CONSTRUCTION PLAN

NO.	COORDINATES		ELEV.
	NORTHING	EASTING	
J01	7 646 438.4	489 315.9	28.5
J02	7 646 426.2	489 353.0	28.5
J03	7 646 390.1	489 341.0	27.5
J04	7 646 402.4	489 304.0	27.5



FINAL GRADING PLAN

NO.	COORDINATES		ELEV.
	NORTHING	EASTING	
J10	7 646 438.4	489 315.9	29.5
J11	7 646 426.2	489 353.0	29.5
J12	7 646 390.1	489 341.0	28.5
J13	7 646 402.4	489 304.0	28.5

NOTE:
COORDINATE POINTS AND ELEVATIONS PROVIDED ARE
TO THE FINAL GRADE OF THE TYPE 2 GRANULAR FILL
CAP PRIOR TO THE PLACEMENT OF THE TYPE 1
GRANULAR FILL ON THE SIDE SLOPES.

General Notes:

1. ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 18N. ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL, RELATIVE TO GEIOD MODEL CANADIAN HT2_0.
2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
3. VARIABLE SLOPE ON LANDFILL SURFACE PERMITTED. MINIMUM 2% - MAXIMUM 4%.

Legend:

No.	DATE	REVISION	REVISION	APPR.

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UMA ENGINEERING LTD.

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SCALE - ECHELLE 2 1 0 2 4 6m

PROJECT - PROJET
FOX-2 LONGSTAFF BLUFF

DEW LINE CLEAN UP
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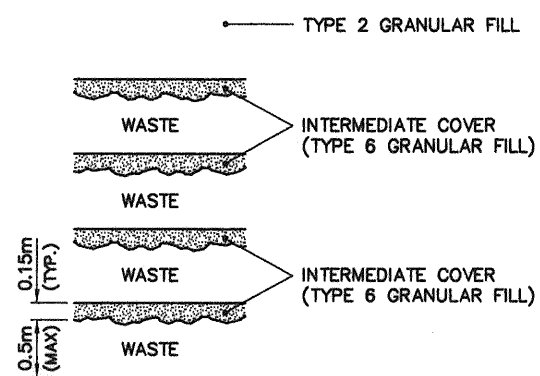
TRADE - METIER SITING DATE 2007-10-02

SUBJECT - SUJET
HANGAR
NON-HAZARDOUS WASTE LANDFILL
CROSS SECTION

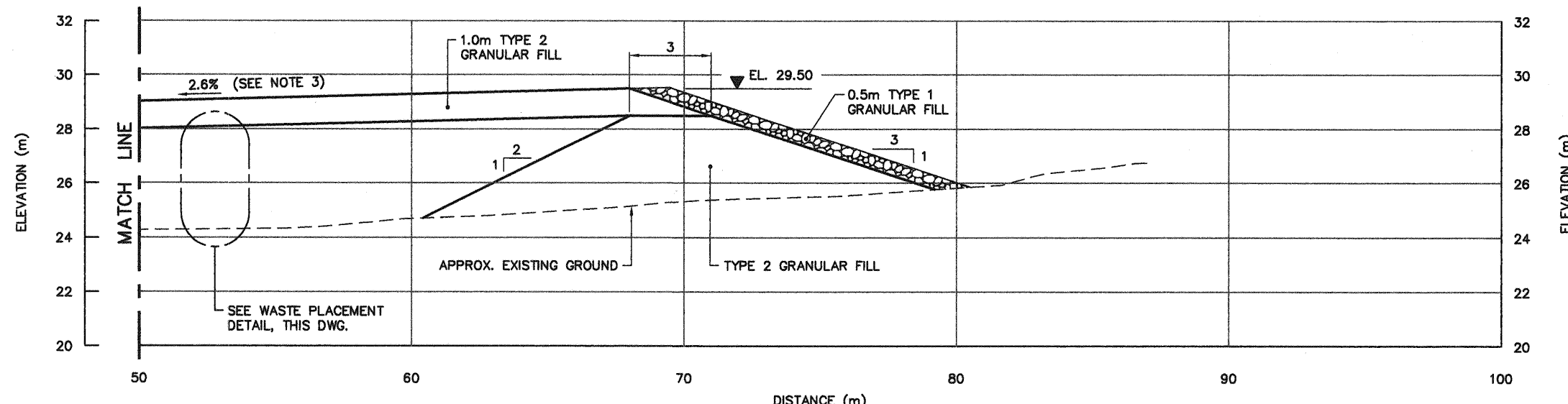
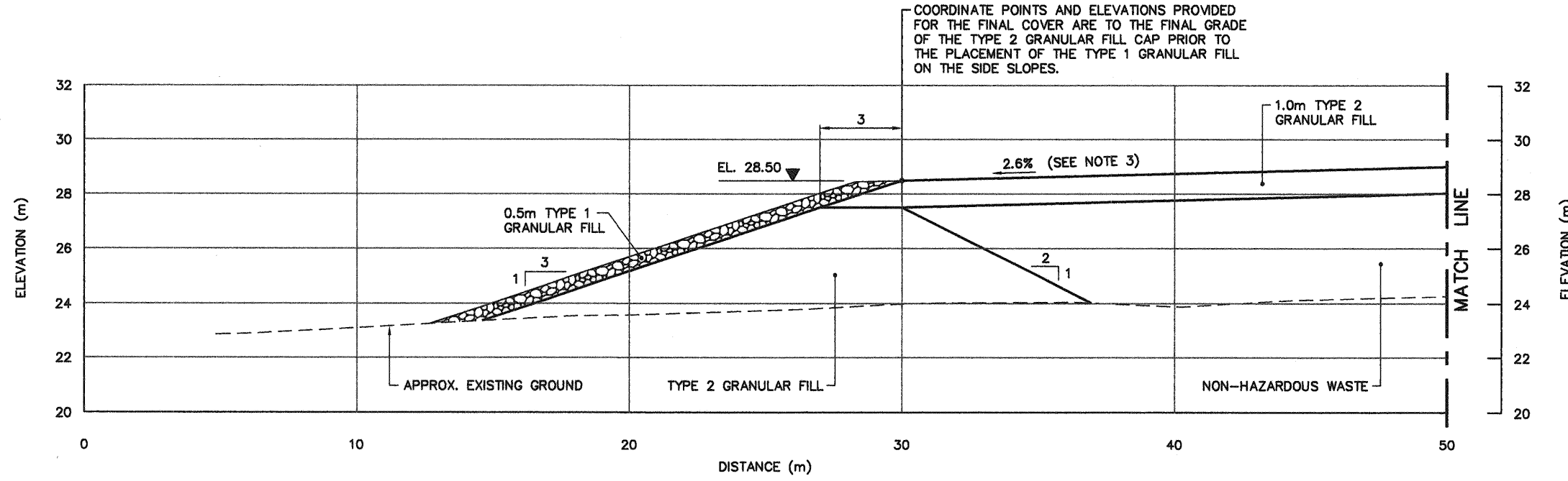
PRODUCTION	CONCURRENCE - ASSENTMENT
DESIGNED ETUDIE TIME/BWF	DES OFF AGENT CONCEPT
DRAWN DESSINE CAE	SECT HD CHEF SECT
CHECKED VERIFIE RRM	DES MGR GEST CONCEPT
COORDINATION SMS	REVIEWED - REVU

DWG. NO. - DESSIN NO.
H-L133/1-9101-120

ADD ADDITIONAL WASTE LAYERS, AS REQUIRED, TO ACHIEVE THE NON-HAZARDOUS WASTE LANDFILL DESIGN ELEVATIONS.

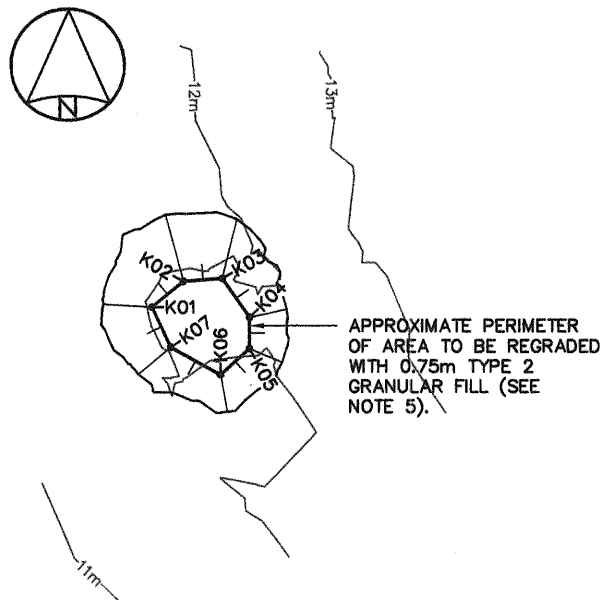


WASTE PLACEMENT DETAIL
N.T.S.



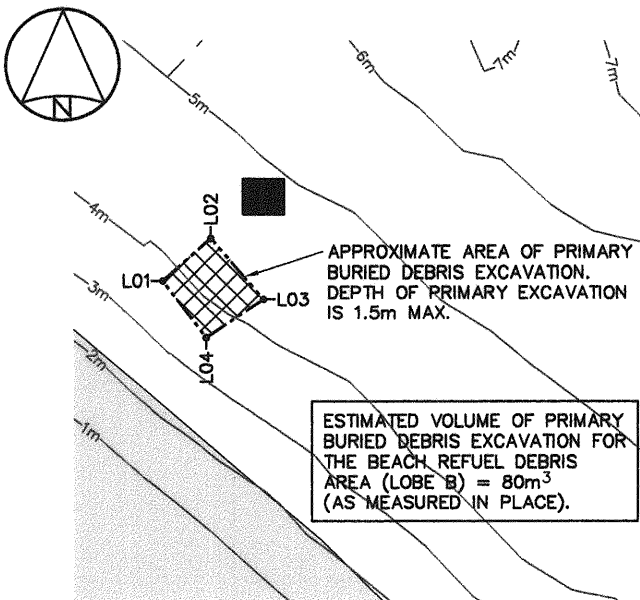
SECTION F
119

COORDINATE POINTS LOBE A REGRADING		
NO.	COORDINATES	
	NORTHING	EASTING
K01	7 644 422.5	490 853.9
K02	7 644 426.0	490 858.0
K03	7 644 426.3	490 863.2
K04	7 644 421.1	490 866.8
K05	7 644 416.9	490 866.7
K06	7 644 413.4	490 862.9
K07	7 644 417.1	490 856.4



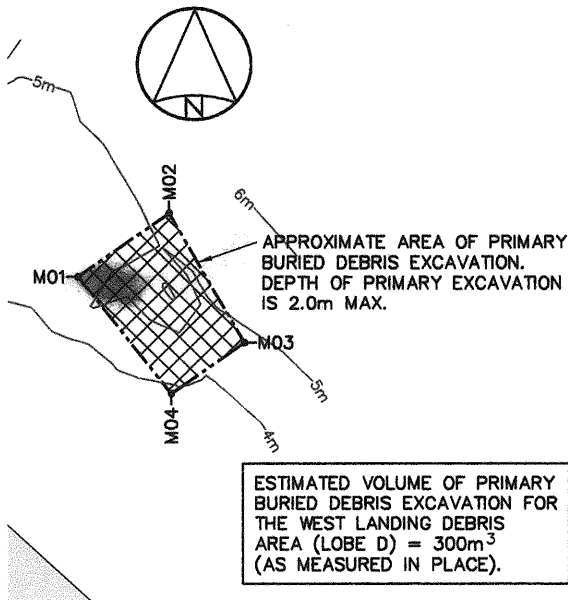
BEACON DEBRIS AREA LOBE A
(DWG. 103)

COORDINATE POINTS LOBE B EXCAVATION		
NO.	COORDINATES	
	NORTHING	EASTING
L01	7 643 564.6	491 467.6
L02	7 643 570.2	491 473.9
L03	7 643 562.1	491 480.9
L04	7 643 557.0	491 473.3



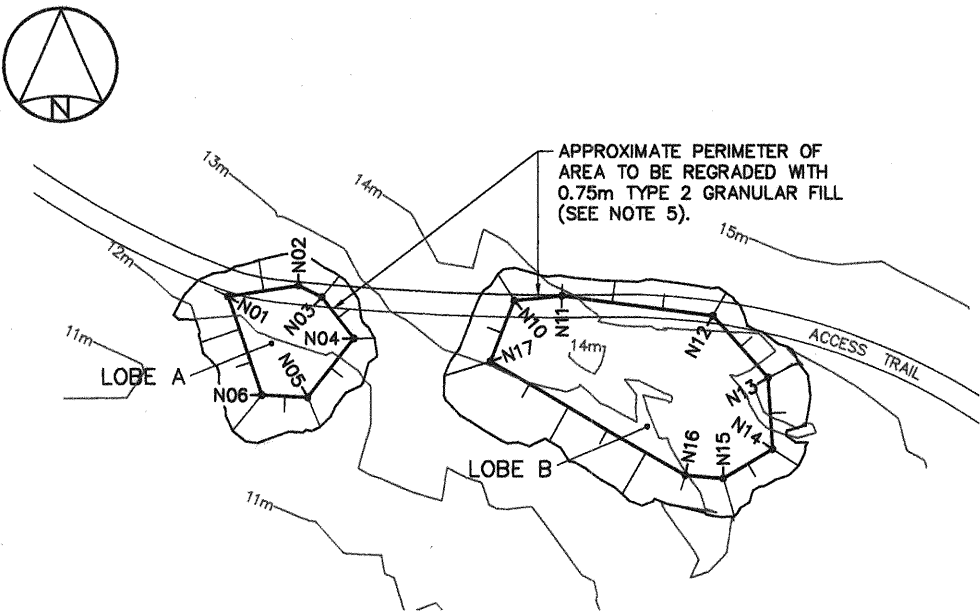
BEACH REFUEL DEBRIS AREA LOBE B
(DWG. 107)

COORDINATE POINTS LOBE D EXCAVATION		
NO.	COORDINATES	
	NORTHING	EASTING
M01	7 643 268.1	491 826.1
M02	7 643 276.5	491 838.1
M03	7 643 259.3	491 848.0
M04	7 643 252.4	491 838.4



WEST LANDING DEBRIS AREA LOBE D
(DWG. 107)

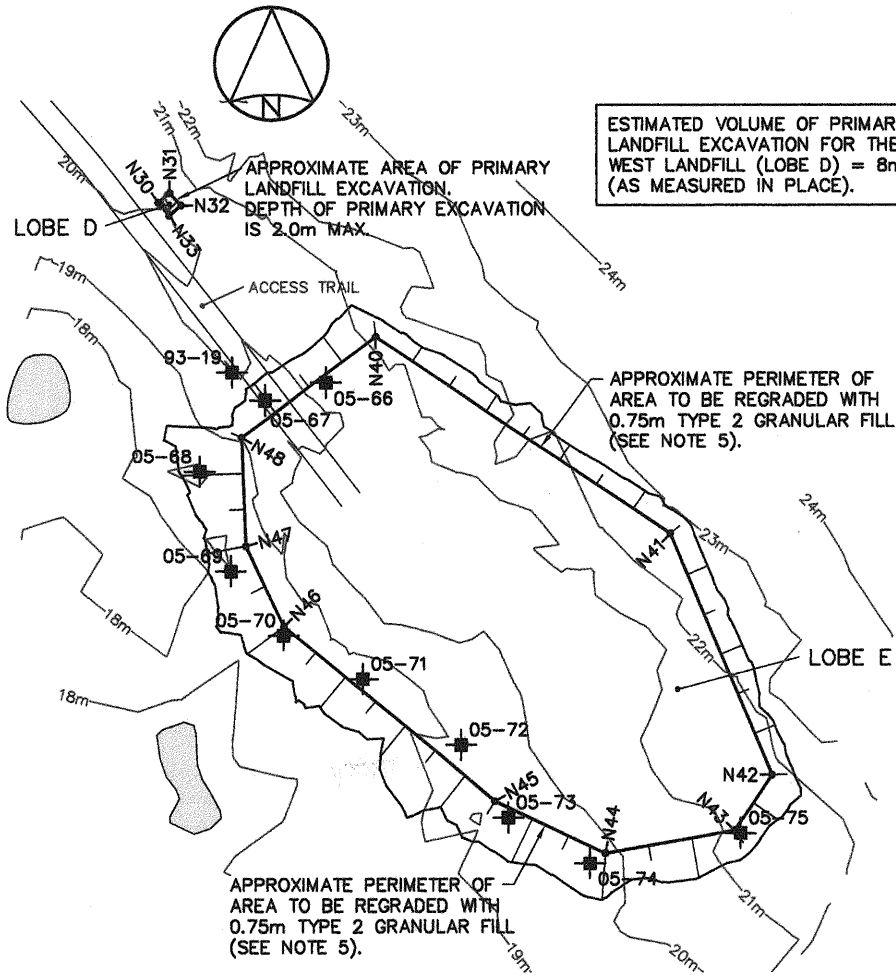
COORDINATE POINTS LOBE A AND LOBE B REGRADING					
NO.	COORDINATES		NO.	COORDINATES	
	NORTHING	EASTING		NORTHING	EASTING
N01	7 642 999.8	492 168.6	N10	7 642 999.3	492 206.4
N02	7 643 001.3	492 177.9	N11	7 642 999.9	492 212.6
N03	7 642 999.8	492 181.0	N12	7 642 997.3	492 232.6
N04	7 642 994.3	492 185.2	N13	7 642 989.1	492 239.9
N05	7 642 986.5	492 179.1	N14	7 642 979.9	492 240.5
N06	7 642 986.8	492 173.0	N15	7 642 976.0	492 233.9
			N16	7 642 976.4	492 228.9
			N17	7 642 991.2	492 203.2



WEST LANDFILL
(DWG. 108)

COORDINATE POINTS LOBE D EXCAVATION		
NO.	COORDINATES	
	NORTHING	EASTING
N30	7 642 834.0	492 477.3
N31	7 642 835.2	492 478.9
N32	7 642 833.6	492 480.4
N33	7 642 832.3	492 478.8

COORDINATE POINTS LOBE E REGRADING		
NO.	COORDINATES	
	NORTHING	EASTING
N40	7 642 816.0	492 506.0
N41	7 642 790.1	492 544.9
N42	7 642 758.4	492 558.3
N43	7 642 751.2	492 553.4
N44	7 642 748.1	492 536.3
N45	7 642 755.0	492 521.7
N46	7 642 777.9	492 493.9
N47	7 642 788.4	492 488.9
N48	7 642 802.8	492 488.4



WEST LANDFILL
(DWG. 108)

- General Notes:
- ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 18N. ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL, RELATIVE TO GEOID MODEL CANADIAN HT2.0.
 - ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
 - ALL NON-HAZARDOUS DEBRIS FROM AREAS WEST OF THE BEACH POL TO BE PLACED IN THE HANGAR NON-HAZARDOUS WASTE LANDFILL AND ALL NON-HAZARDOUS DEBRIS FROM AREAS EAST OF THE BEACH POL TO BE PLACED IN THE STATION AREA NON-HAZARDOUS WASTE LANDFILL.
 - 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.
 - REGRADED SIDE SLOPES 6H:1V MAXIMUM UNLESS NOTED OTHERWISE.

- Legend:
- TEST PIT LOCATION
 - DCC TIER I CONTAMINATED SOIL
 - COORDINATE POINT
 - BODY OF WATER
 - LANDFILL/BURIED DEBRIS EXCAVATION AREA

No.	DATE	REVISION	REVISION	APPR.
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2007-10-03

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PERMIT NUMBER
P 007
UMA ENGINEERING LTD.

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

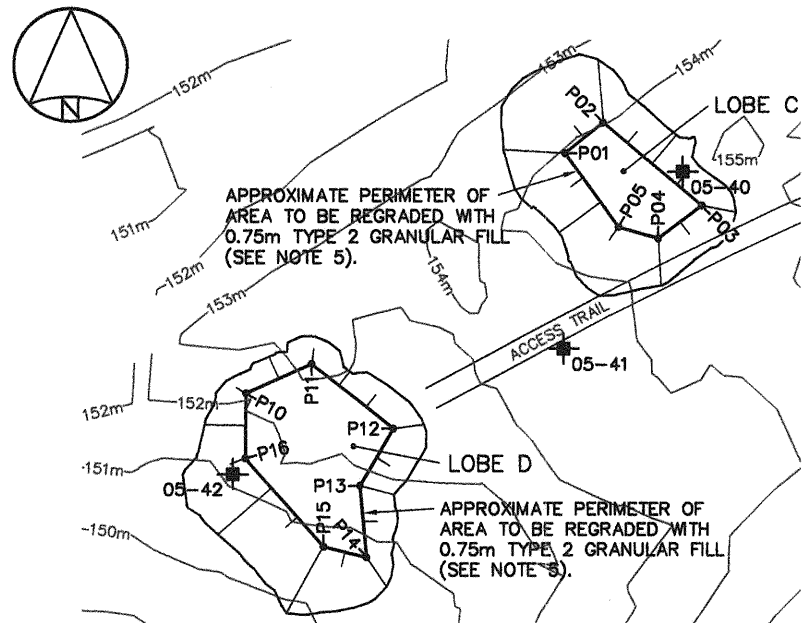
General Notes:

1. ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 18N. ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL, RELATIVE TO GEOID MODEL CANADIAN HT2_0.
2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
3. ALL NON-HAZARDOUS DEBRIS WITHIN PLAN AREA TO BE PLACED IN THE STATION AREA NON-HAZARDOUS WASTE LANDFILL.
4. 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.
5. REGRADED SIDE SLOPES 6H:1V MAXIMUM UNLESS NOTED OTHERWISE.

Legend:

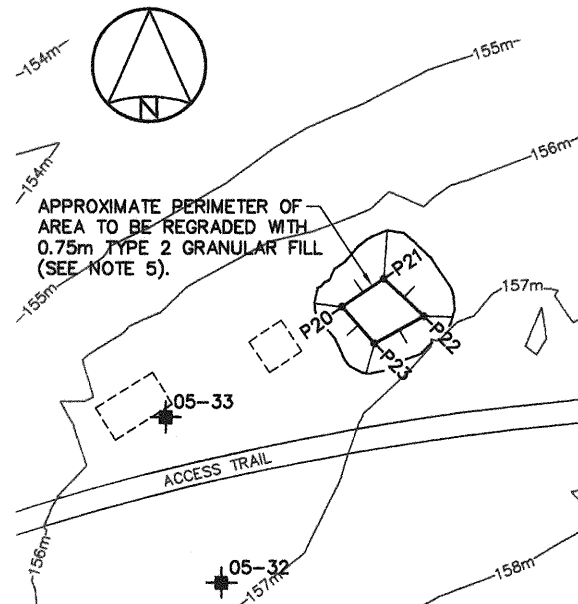
- TEST PIT LOCATION
- DCC TIER I CONTAMINATED SOIL
- DCC TIER II CONTAMINATED SOIL
- HYDROCARBON - TYPE B CONTAMINATED SOIL
- HAZARDOUS CONTAMINATED SOIL
- COORDINATE POINT
- LANDFILL/BURIED DEBRIS EXCAVATION AREA

COORDINATE POINTS LOBE C AND LOBE D REGRAIDING					
NO.	COORDINATES		NO.	COORDINATES	
	NORTHING	EASTING		NORTHING	EASTING
P01	7 643 133.5	493 824.8	P10	7 643 101.7	493 782.6
P02	7 643 137.5	493 829.8	P11	7 643 105.6	493 791.3
P03	7 643 126.5	493 842.8	P12	7 643 097.1	493 802.1
P04	7 643 122.2	493 837.1	P13	7 643 089.6	493 797.7
P05	7 643 123.7	493 831.8	P14	7 643 080.0	493 798.5
			P15	7 643 081.5	493 792.9
			P16	7 643 093.2	493 782.5



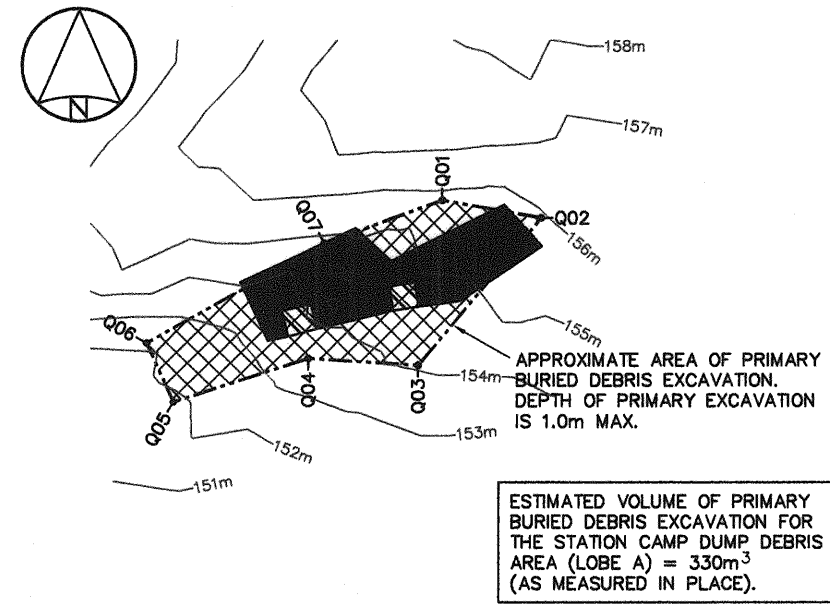
STATION CAMP DEBRIS AREA
(DWG. 109)

COORDINATE POINTS LOBE A REGRADING		
NO.	COORDINATES	
	NORTHING	EASTING
P20	7 643 166.1	493 928.2
P21	7 643 169.9	493 933.7
P22	7 643 164.9	493 939.0
P23	7 643 161.3	493 932.5



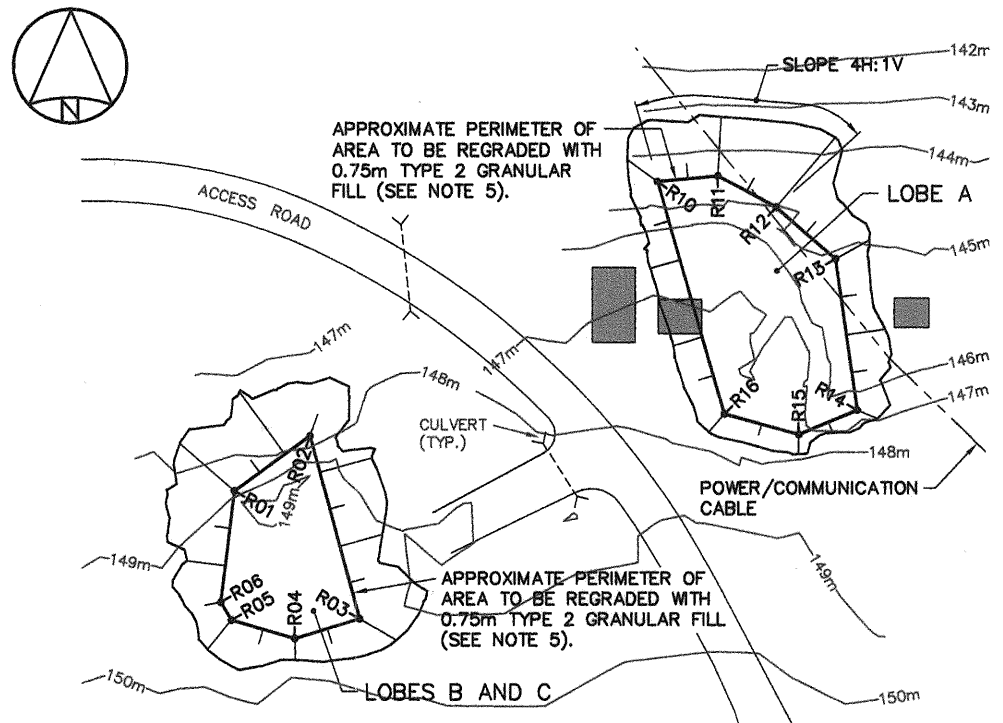
STATION CAMP DEBRIS AREA LOBE A
(DWG. 109)

COORDINATE POINTS LOBE A EXCAVATION					
NO.	COORDINATES		NO.	COORDINATES	
	NORTHING	EASTING		NORTHING	EASTING
Q01	7 643 065.1	493 896.8	Q05	7 643 038.5	493 861.3
Q02	7 643 062.8	493 909.9	Q06	7 643 046.3	493 857.8
Q03	7 643 043.3	493 893.6	Q07	7 643 059.5	493 881.3
Q04	7 643 044.3	493 879.1			



STATION CAMP DUMP LOBE A
(DWG. 109)

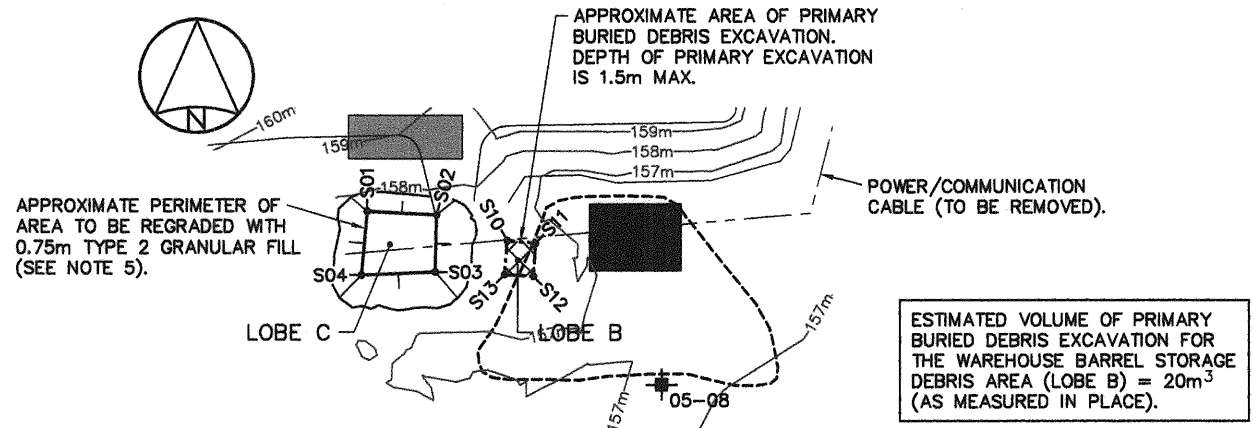
COORDINATE POINTS LOBE A, LOBE B AND LOBE C REGRAIDING					
NO.	COORDINATES		NO.	COORDINATES	
	NORTHING	EASTING		NORTHING	EASTING
R01	7 643 308.2	494 041.9	R10	7 643 348.9	494 097.7
R02	7 643 315.4	494 051.8	R11	7 643 349.6	494 105.7
R03	7 643 291.4	494 058.4	R12	7 643 345.5	494 113.4
R04	7 643 288.7	494 049.8	R13	7 643 338.8	494 121.2
R05	7 643 291.2	494 041.5	R14	7 643 318.8	494 124.1
R06	7 643 293.5	494 040.0	R15	7 643 315.6	494 116.4
			R16	7 643 318.3	494 106.6



INUIT HOUSE DEBRIS AREA
(DWG. 110)

COORDINATE POINTS LOBE C REGRAIDING			
NO.	COORDINATES		
	NORTHING	EASTING	
S01	7 643 130.6	494 133.0	
S02	7 643 130.2	494 142.1	
S03	7 643 122.7	494 142.0	
S04	7 643 122.3	494 132.2	

COORDINATE POINTS LOBE B EXCAVATION			
NO.	COORDINATES		
	NORTHING	EASTING	
S10	7 643 126.9	494 151.4	
S11	7 643 126.5	494 155.2	
S12	7 643 122.2	494 154.9	
S13	7 643 122.4	494 151.1	



WAREHOUSE BARREL STORAGE DEBRIS AREA
(DWG. 110)

No.	DATE	REVISION	REVISION	APPR.
UMA AECOM HATCH				
SCALE - ECHELLE 10 5 0 10 20 30m				
PROJECT - PROJET FOX-2 LONGSTAFF BLUFF				
DEW LINE CLEAN UP				
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TRADE - METIER	SITING	DATE	2007-10-02	
SUBJECT - SUJET STATION AREA REGRAIDING AND EXCAVATION DETAILS				
PRODUCTION	CONCURRENCE - ASSENTMENT			
DESIGNED ETUDIE	TME/BWF		DES OFF AGENT CONCEPT	
DRAWN DESSINE	CAE		SECT HD CHEF SECT	
CHECKED VERIFIE	RAM		DES MGR GEST CONCEPT	
COORDINATION	SMS		REVIEWED - REVU	
DWG. NO. - DESSIN NO. H-133/1-9101-122				

General Notes:

- ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 18N. ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL, RELATIVE TO GEOID MODEL CANADIAN HT2_0.
- ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- 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.
- FOR MONITORING WELL INSTALLATION DETAILS, SEE DWG. H-L133/1-9101-132. LOCATIONS TO BE FIELD APPROVED BY THE ENGINEER.
- VARIABLE SLOPE ON LANDFILL SURFACE PERMITTED, MINIMUM 2% - MAXIMUM 4%.

Legend:

- DCC TIER I CONTAMINATED SOIL
- DCC TIER II CONTAMINATED SOIL
- HYDROCARBON - TYPE B CONTAMINATED SOIL
- COORDINATE POINT
- PROPOSED MONITORING WELL LOCATION (3)
- PROPOSED BACKGROUND MONITORING WELL LOCATION (1)

No.	DATE	REVISION	REVISION	APPR.
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P 007
UMA ENGINEERING
LTD.

UMA AECOM

HATCH

SCALE - ECHELLE 10 5 0 10 20 30m

PROJECT - PROJET
FOX-2 LONGSTAFF BLUFF

DEW LINE CLEAN UP

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TRADE - METIER SITING DATE 2007-10-02

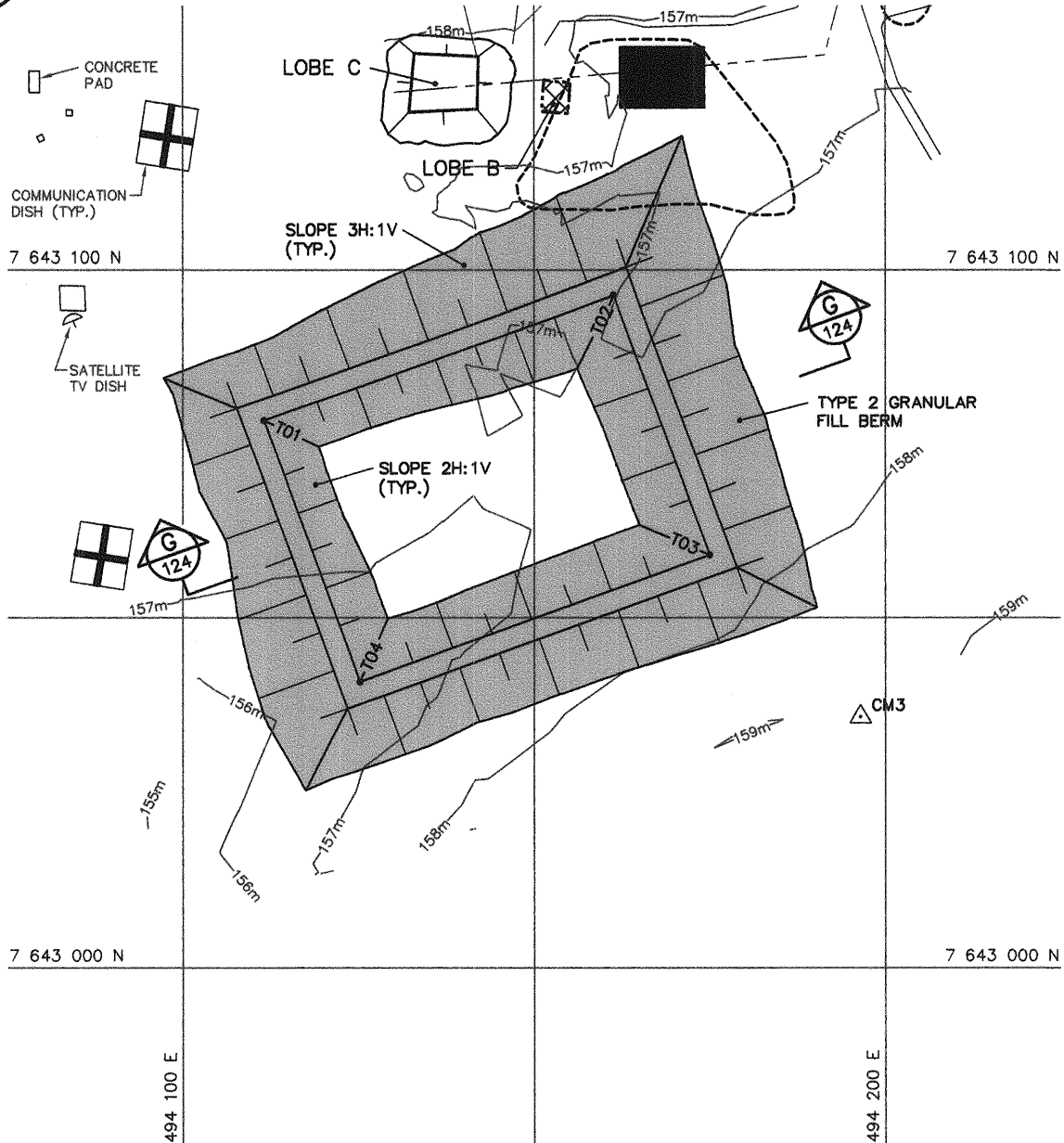
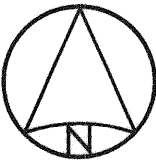
SUBJECT - SUJET

STATION AREA NON-HAZARDOUS
WASTE LANDFILL BERM CONSTRUCTION
AND FINAL GRADING PLANS

PRODUCTION	CONCURRENCE - ASSENTIMENT
DESIGNED ETUDIE TIME/DWF	DES OFF AGENT CONCEPT
DRAWN DESSINE CAE	SECT HD CHEF SECT
CHECKED VERIFIE RRM	DES MGR GEST CONCEPT
COORDINATION SMS	REVIEWED - REVU

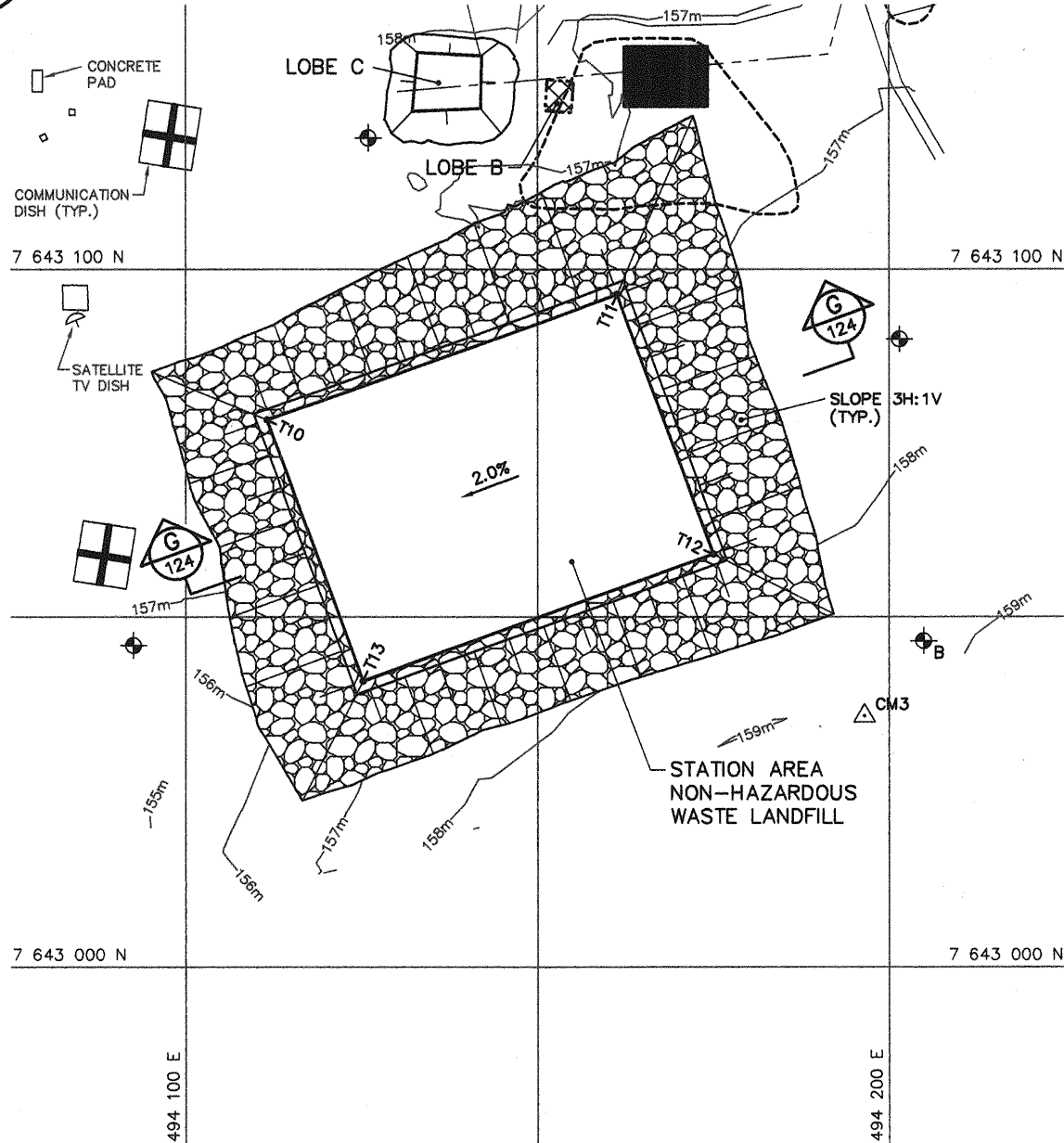
DWG. NO. - DESSIN NO.
H-L133/1-9101-123

Canada



BERM CONSTRUCTION PLAN

COORDINATE POINTS LANDFILL BERM			
NO.	COORDINATES		ELEV.
	NORTHING	EASTING	
T01	7 643 078.5	494 111.5	160.19
T02	7 643 096.6	494 161.4	161.25
T03	7 643 059.0	494 175.0	161.25
T04	7 643 040.9	494 125.2	160.19



FINAL GRADING PLAN

COORDINATE POINTS FINAL LANDFILL SURFACE			
NO.	COORDINATES		ELEV.
	NORTHING	EASTING	
T10	7 643 078.5	494 111.5	161.19
T11	7 643 096.6	494 161.4	162.25
T12	7 643 059.0	494 175.0	162.25
T13	7 643 040.9	494 125.2	161.19

NOTE:
COORDINATE POINTS AND ELEVATIONS PROVIDED ARE
TO THE FINAL GRADE OF THE TYPE 2 GRANULAR FILL
CAP PRIOR TO THE PLACEMENT OF THE TYPE 1
GRANULAR FILL ON THE SIDE SLOPES.

General Notes:

1. ALL COORDINATES ARE REFERENCED TO NAD83 (CGRS), UTM ZONE 18N. ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL, RELATIVE TO GEIOD MODEL CANADIAN HT2.0.
2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
3. 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.
4. FOR MONITORING WELL INSTALLATION DETAILS, SEE DWG. H-L133/1-9101-132. LOCATIONS TO BE FIELD APPROVED BY THE ENGINEER.
5. FOR GROUND TEMPERATURE CABLE INSTALLATION DETAILS, SEE DWG. H-L133/1-9101-131. EXACT LOCATIONS TO BE FIELD DETERMINED BY THE ENGINEER.
6. EXCAVATE KEY TRENCH TO SATURATED GROUND, ICE SATURATED PERMAFROST OR SOUND BEDROCK. EXCAVATION DEPTH TO BE FIELD CONFIRMED BY THE ENGINEER. BEDROCK TREATMENT IS EXPECTED.

Legend:

- TEST PIT LOCATION
- COORDINATE POINT
- VERTICAL GROUND TEMPERATURE CABLE INSTALLATION (4)
- PROPOSED MONITORING WELL LOCATION (3)
- PROPOSED BACKGROUND MONITORING WELL LOCATION (1)

No.	DATE	REVISION	REVISION	APPR.
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PERMIT NUMBER
P 007
UMA ENGINEERING
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UMA AECOM HATCH

SCALE - ECHELLE 10 5 0 10 20 30m

PROJECT - PROJET
FOX-2 LONGSTAFF BLUFF

DEW LINE CLEAN UP

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TRADE - METIER SITING DATE 2007-10-02

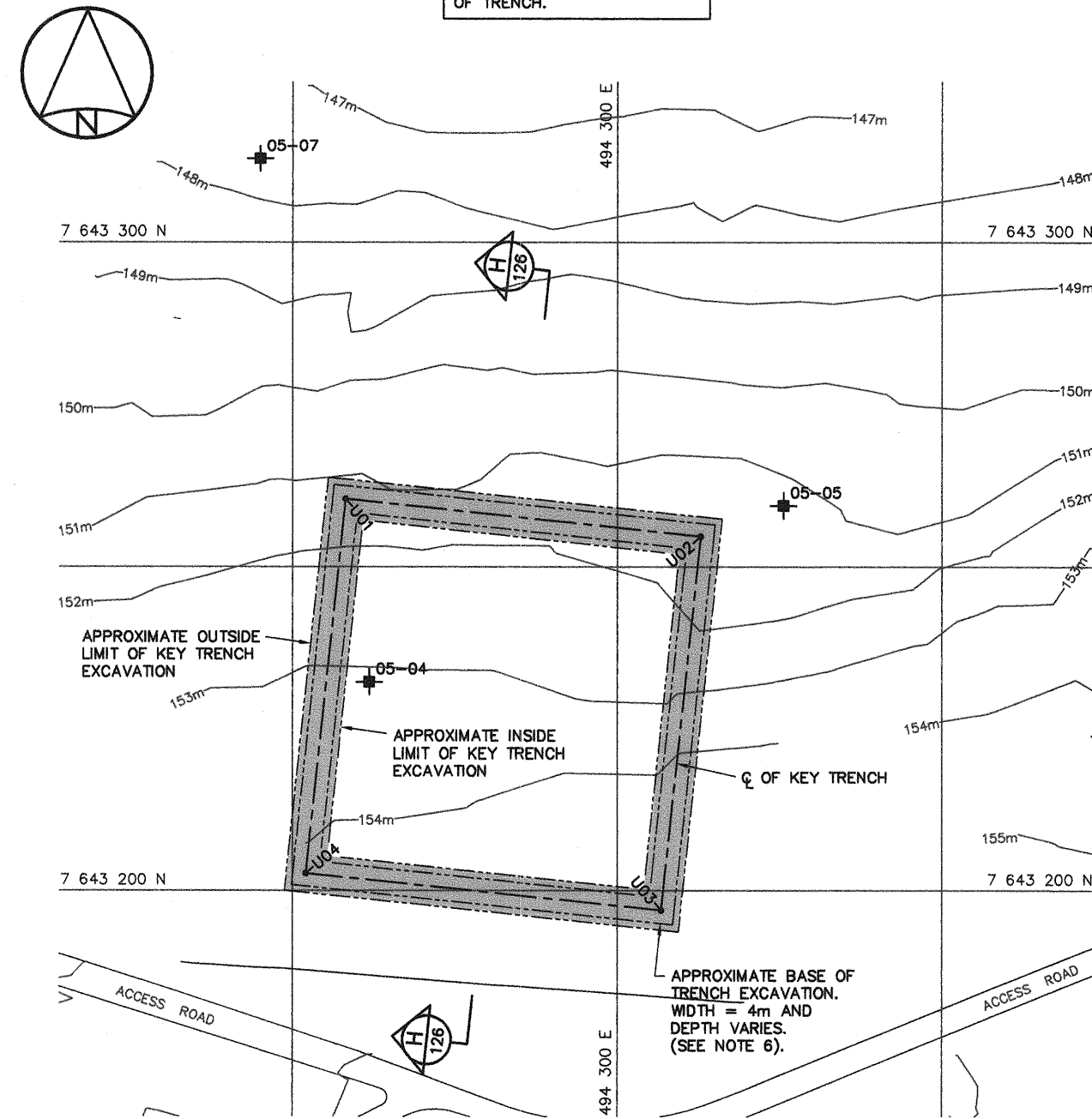
SUBJECT - SUJET
TIER II DISPOSAL FACILITY
KEY TRENCH EXCAVATION PLAN &
GRADING/INSTRUMENTATION PLAN

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

DWG. NO. - DESSIN NO.
H-L133/1-9101-125

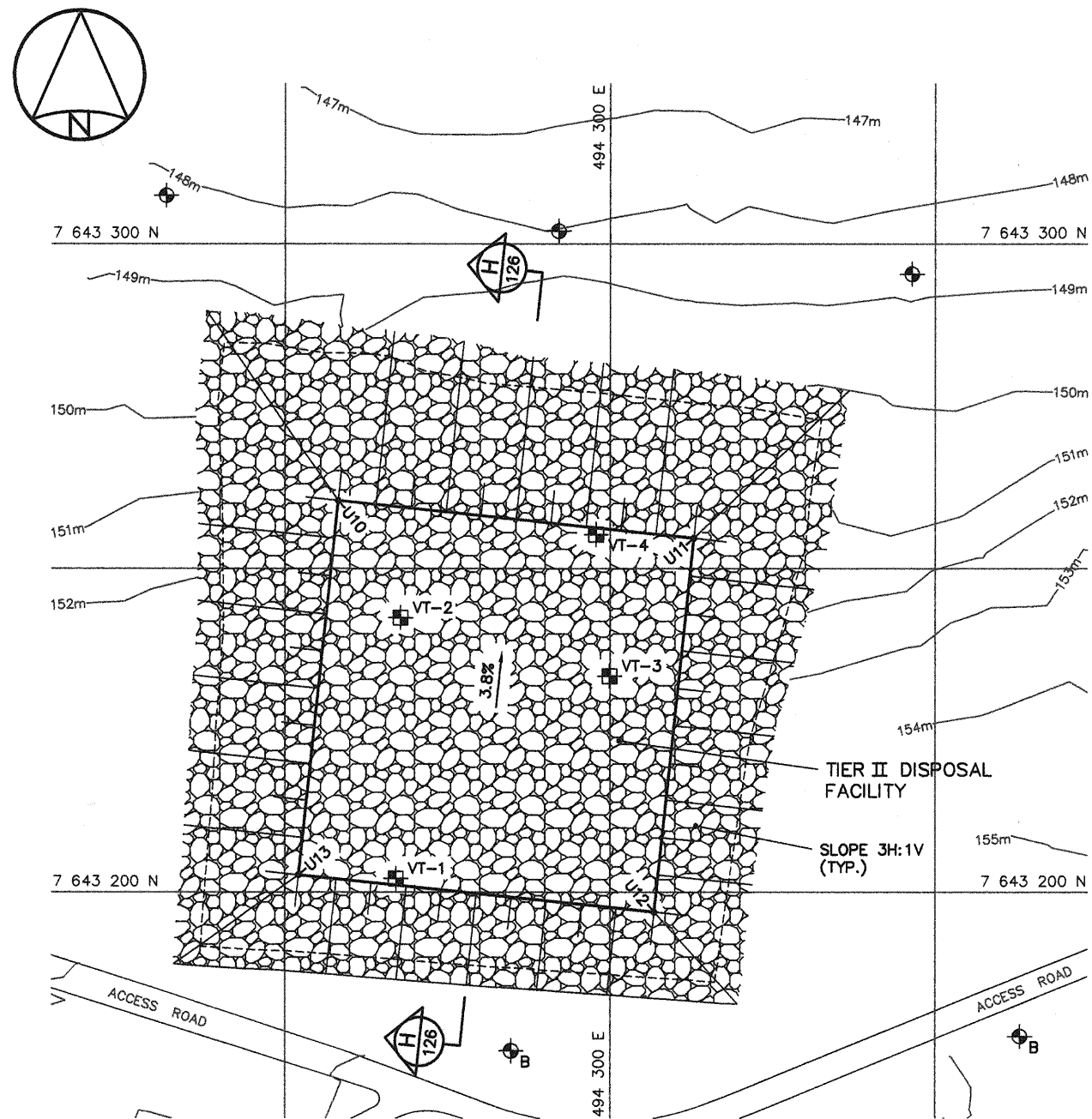
Canada

NOTE:
BEDROCK TREATMENT FOR KEY
TRENCH EXPECTED TO BE
REQUIRED FOR ENTIRE LENGTH
OF TRENCH.



KEY TRENCH EXCAVATION PLAN

NO.	COORDINATES	
	NORTHING	EASTING
U01	7 643 260.4	494 258.2
U02	7 643 254.6	494 312.9
U03	7 643 197.0	494 306.8
U04	7 643 202.7	494 252.1



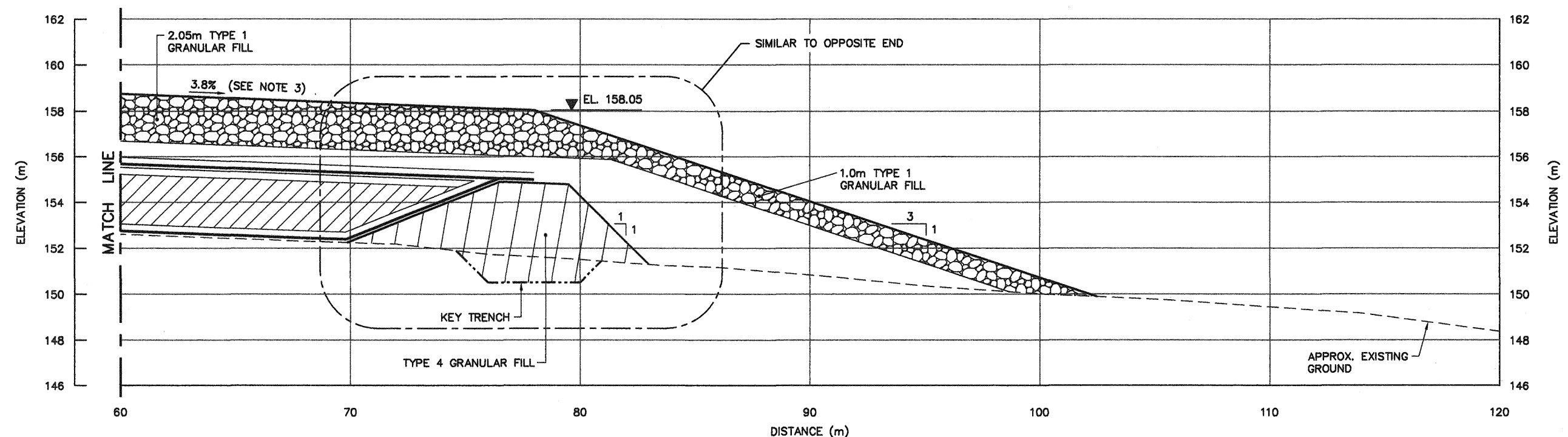
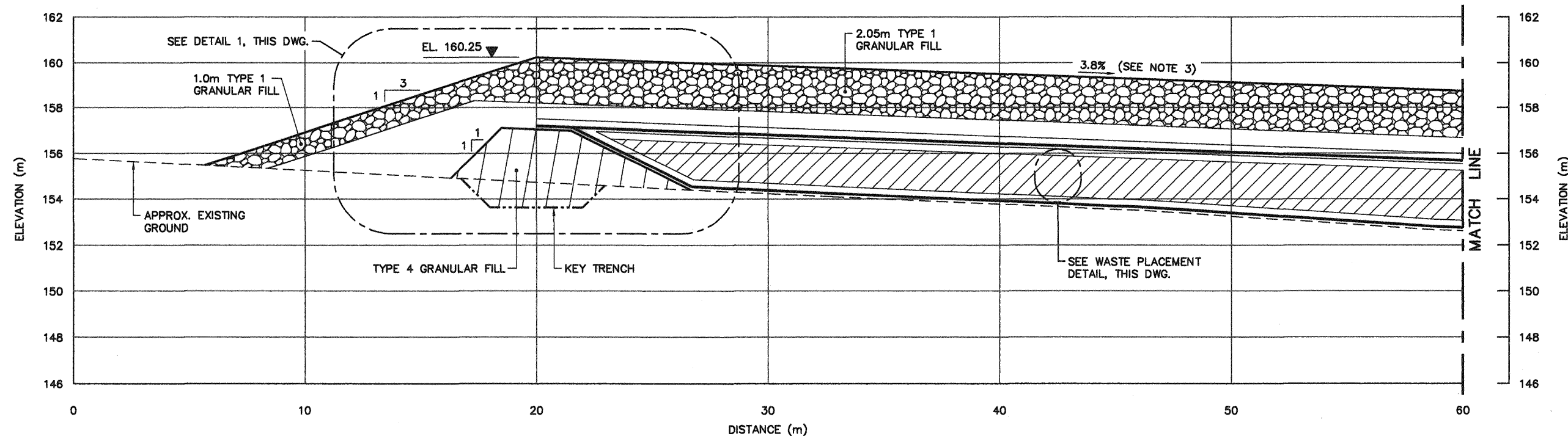
GRADING/INSTRUMENTATION PLAN

NO.	COORDINATES		ELEV.
	NORTHING	EASTING	
U10	7 643 260.4	494 258.2	158.05
U11	7 643 254.6	494 312.9	158.05
U12	7 643 197.0	494 306.8	160.25
U13	7 643 202.7	494 252.1	160.25

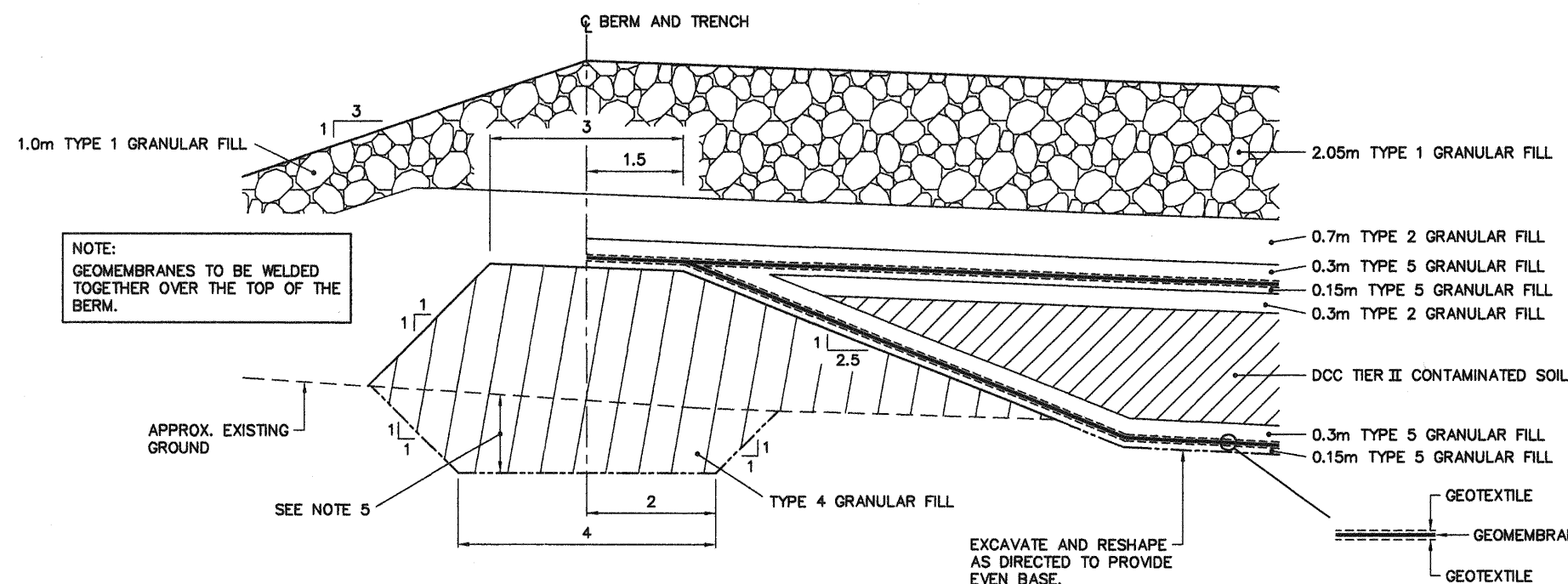
General Notes:

1. ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 18N. ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL, RELATIVE TO GEOID MODEL CANADIAN HT2.0.
2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
3. VARIABLE SLOPE ON LANDFILL SURFACE PERMITTED. MINIMUM 2% - MAXIMUM 5%.
4. TYPE 6 INTERMEDIATE FILL ONLY REQUIRED FOR LANDFILLING OF ORGANIC OR WET SOILS, AS DIRECTED BY THE ENGINEER.
5. EXCAVATE KEY TRENCH TO SATURATED GROUND, ICE SATURATED PERMAFROST OR SOUND BEDROCK. EXCAVATION DEPTH TO BE FIELD CONFIRMED BY THE ENGINEER. BEDROCK TREATMENT IS EXPECTED.
6. PROTECT GEOMEMBRANE LINERS DURING CONSTRUCTION.
7. TYPE 2 GRANULAR FILL PLACED OUTSIDE OF THE TYPE 4 GRANULAR FILL BERMS TO BE PLACED SIMULTANEOUSLY WITH THE TYPE 4 FILL TO PROVIDE STABILITY AND PROTECTION DURING CONSTRUCTION.
8. COVER FINAL LAYER OF TIER II CONTAMINATED SOIL WITH TYPE 6 GRANULAR FILL TO PROVIDE LEVEL SURFACE, AS DIRECTED BY THE ENGINEER.

Legend:

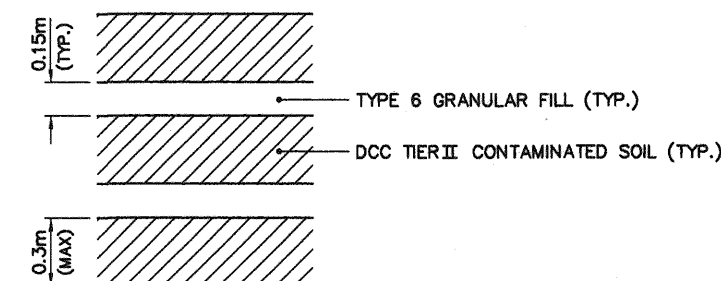


SECTION H
125



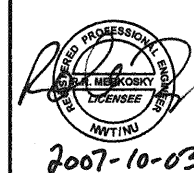
DETAIL 1
126

ADD ADDITIONAL TIER II LAYERS, AS REQUIRED, TO ACHIEVE THE TIER II DISPOSAL FACILITY DESIGN ELEVATIONS.



WASTE PLACEMENT DETAIL
N.T.S.

No.	DATE	REVISION	REVISION	APPR.



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HATCH

SCALE - ECHELLE 2 1 0 2 4 6m

PROJECT - PROJET
FOX-2 LONGSTAFF BLUFF

DEW LINE CLEAN UP

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TRADE - METIER SITING DATE 2007-10-02

SUBJECT - SUJET

TIER II DISPOSAL FACILITY
CROSS SECTION AND DETAIL

PRODUCTION	CONCURRENCE - ASSENTIMENT
DESIGNED ETUDIE TIME/BWF	DES OFF AGENT CONCEPT
DRAWN DESSINE CAE	SECT HD CHEF SECT
CHECKED VERIFIE RRM	DES MGR GEST CONCEPT
COORDINATION SMS	REVIEWED - REVU

DWG. NO. - DESSIN NO.
H-L133/1-9101-126

Canada

General Notes:

1. ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 18N. ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL, RELATIVE TO GEOD MODEL CANADIAN HT2.0.
2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
3. 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.
4. FOR MONITORING WELL INSTALLATION DETAILS, SEE DWG. H-L133/1-9101-132. LOCATIONS TO BE FIELD APPROVED BY THE ENGINEER.
5. FOR GROUND TEMPERATURE CABLE INSTALLATION DETAILS, SEE DWG. H-L133/1-9101-131. EXACT LOCATIONS TO BE FIELD DETERMINED BY THE ENGINEER.
6. EXCAVATE KEY TRENCH TO SATURATED GROUND, ICE SATURATED PERMAFROST OR SOUND BEDROCK. EXCAVATION DEPTH TO BE FIELD CONFIRMED BY THE ENGINEER. BEDROCK TREATMENT IS EXPECTED.

Legend:

- TEST PIT LOCATION
- DCC TIER I CONTAMINATED SOIL
- DCC TIER II CONTAMINATED SOIL
- HAZARDOUS CONTAMINATED SOIL
- COORDINATE POINT
- LANDFILL/BURIED DEBRIS EXCAVATION AREA
- VERTICAL GROUND TEMPERATURE CABLE INSTALLATION (4)
- PROPOSED MONITORING WELL LOCATION (3)
- PROPOSED BACKGROUND MONITORING WELL LOCATION (1)

No. DATE REVISION REVISION APPR.



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UMA ENGINEERING LTD.

UMA | AECOM | HATCH

SCALE - ECHELLE 10 5 0 10 20 30m

PROJECT - PROJET
FOX-2 LONGSTAFF BLUFF

DEW LINE CLEAN UP

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TRADE - METIER SITING DATE 2007-10-02

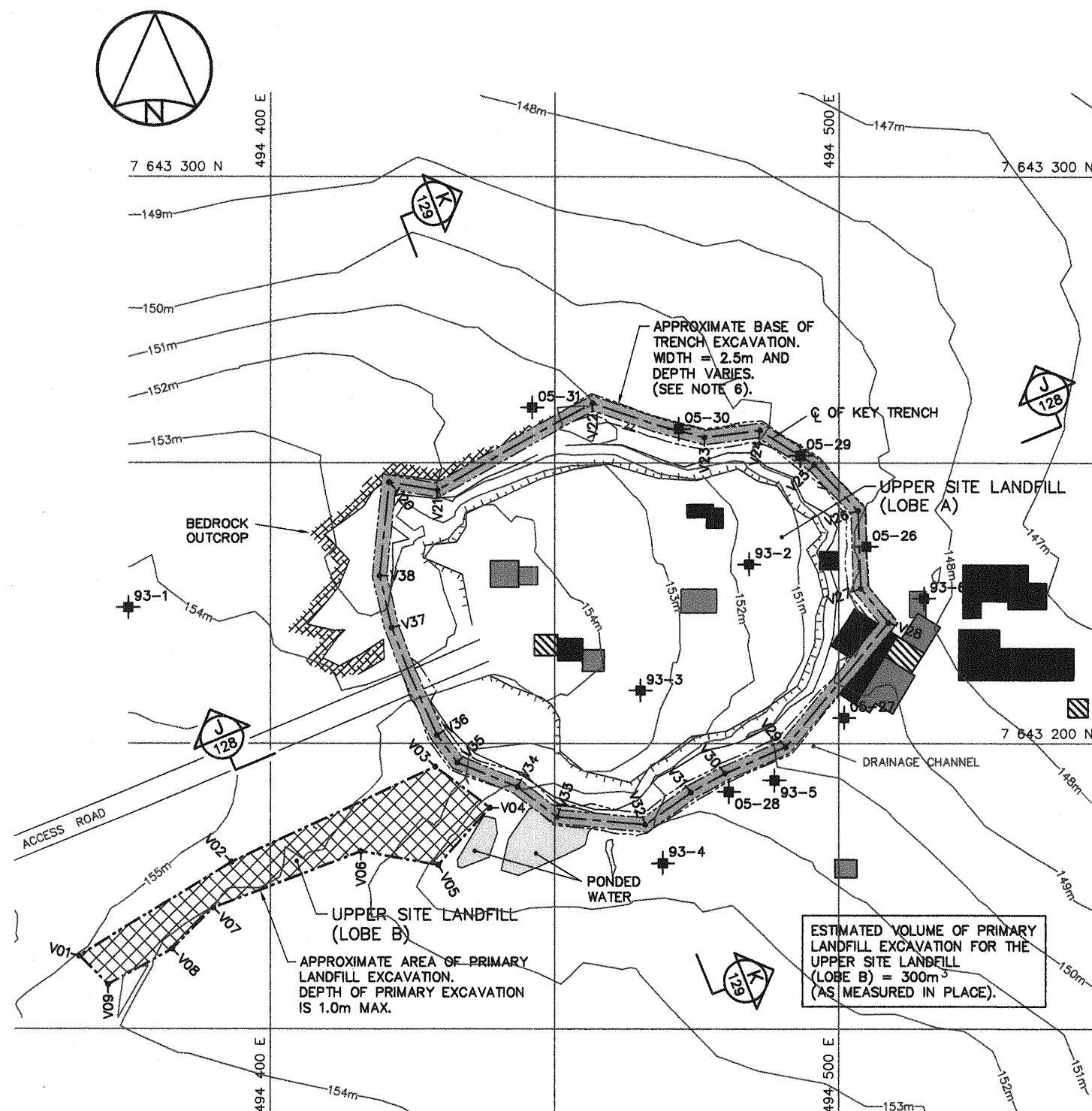
SUBJECT - SUJET

UPPER SITE LANDFILL
KEY TRENCH/EXCAVATION PLAN &
GRADING/INSTRUMENTATION PLAN

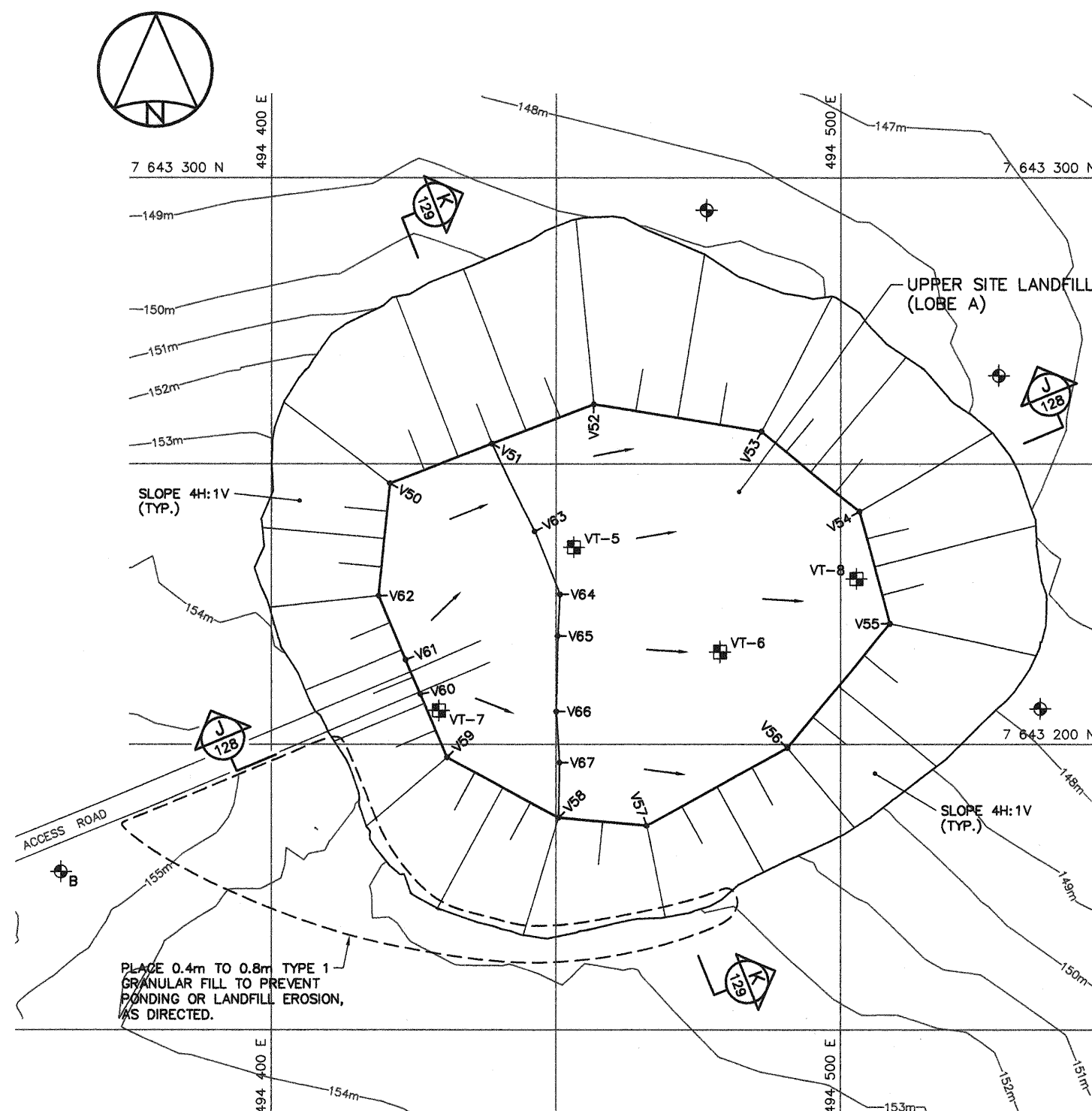
PRODUCTION		CONCURRENCE - ASSENTMENT	
DESIGNED ETUDIE	TIME/BWF	DES OFF AGENT CONCEPT	
DRAWN DESSINE	CAE	SECT HD CHEF SECT	
CHECKED VERIFIE	RRM	DES MGR GEST CONCEPT	
COORDINATION SMS		REVIEWED - REVU	

DWG. NO. - DESSIN NO.
H-L133/1-9101-127

Canada



KEY TRENCH/EXCAVATION PLAN



GRADING/INSTRUMENTATION PLAN

COORDINATE POINTS BURIED DEBRIS EXCAVATION		
NO.	COORDINATES	
	NORTHING	EASTING
V01	7 643 162.9	494 366.5
V02	7 643 179.2	494 393.2
V03	7 643 195.9	494 429.0
V04	7 643 188.8	494 438.6
V05	7 643 178.7	494 429.6
V06	7 643 181.1	494 416.0
V07	7 643 171.2	494 390.0
V08	7 643 164.1	494 382.8
V09	7 643 157.8	494 371.5

COORDINATE POINTS KEY TRENCH EXCAVATION					
NO.	COORDINATES		NO.	COORDINATES	
	NORTHING	EASTING		NORTHING	EASTING
V20	7 643 246.6	494 420.9	V30	7 643 194.8	494 480.0
V21	7 643 245.2	494 429.4	V31	7 643 191.5	494 474.0
V22	7 643 260.6	494 456.6	V32	7 643 185.7	494 465.9
V23	7 643 254.5	494 476.3	V33	7 643 187.2	494 450.5
V24	7 643 255.7	494 486.1	V34	7 643 192.4	494 443.5
V25	7 643 249.7	494 495.6	V35	7 643 196.7	494 432.9
V26	7 643 241.5	494 503.3	V36	7 643 201.5	494 429.3
V27	7 643 227.4	494 503.8	V37	7 643 220.4	494 421.3
V28	7 643 221.3	494 508.7	V38	7 643 229.6	494 419.2
V29	7 643 199.4	494 490.6			

COORDINATE POINTS FINAL LANDFILL SURFACE							
NO.	COORDINATES		ELEV.	NO.	COORDINATES		ELEV.
	NORTHING	EASTING			NORTHING	EASTING	
V50	7 643 246.6	494 420.9	158.52	V59	7 643 197.7	494 430.9	158.30
V51	7 643 253.6	494 438.8	158.13	V60	7 643 208.9	494 426.2	159.00
V52	7 643 260.6	494 456.6	157.17	V61	7 643 215.0	494 423.6	159.00
V53	7 643 255.7	494 486.1	155.50	V62	7 643 226.2	494 418.9	158.70
V54	7 643 241.5	494 503.3	154.50	V63	7 643 237.8	494 446.3	158.11
V55	7 643 221.3	494 508.7	154.00	V64	7 643 226.5	494 450.7	157.88
V56	7 643 199.4	494 490.6	155.00	V65	7 643 219.1	494 450.3	157.95
V57	7 643 185.7	494 485.9	156.40	V66	7 643 205.8	494 450.1	157.88
V58	7 643 187.2	494 450.5	157.70	V67	7 643 196.8	494 450.6	157.78

General Notes:

1. ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 18N. ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL, RELATIVE TO GEOID MODEL CANADIAN HT2.0.
2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
3. EXCAVATE KEY TRENCH TO SATURATED GROUND, ICE SATURATED PERMAFROST OR SOUND BEDROCK. EXCAVATION DEPTH TO BE FIELD CONFIRMED BY THE ENGINEER.
4. PLACE SILTY SAND LEVELING COURSE BETWEEN BASE OF THE ANCHOR TRENCH EXCAVATION AND GEOMEMBRANE LINER AS DIRECTED BY THE ENGINEER.
5. IF FRACTURED ROCK IS PRESENT AT THE BASE OF THE ANCHOR TRENCH, THE FRACTURES ARE TO BE FILLED WITH BENTONITE SLURRY.
6. PREPARE BEDROCK FOUNDATION IN KEY TRENCH WHERE BEDROCK IS ENCOUNTERED.

Legend:

No.	DATE	REVISION	REVISION	APPR.



THE ASSOCIATION OF
PROFESSIONAL ENGINEERS,
GEOLOGISTS AND GEOPHYSICISTS
OF THE NORTHWEST TERRITORIES
PERMIT NUMBER
P 007
UMA ENGINEERING
LTD.

UMA | AECOM | HATCH

SCALE - ECHELLE 2 1 0 2 4 6m

PROJECT - PROJET
FOX-2 LONGSTAFF BLUFF

DEW LINE CLEAN UP
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CANADA 2007, AS REPRESENTED BY THE
MINISTER OF NATIONAL DEFENCE.

TRADE - METIER SITING DATE
2007-10-02

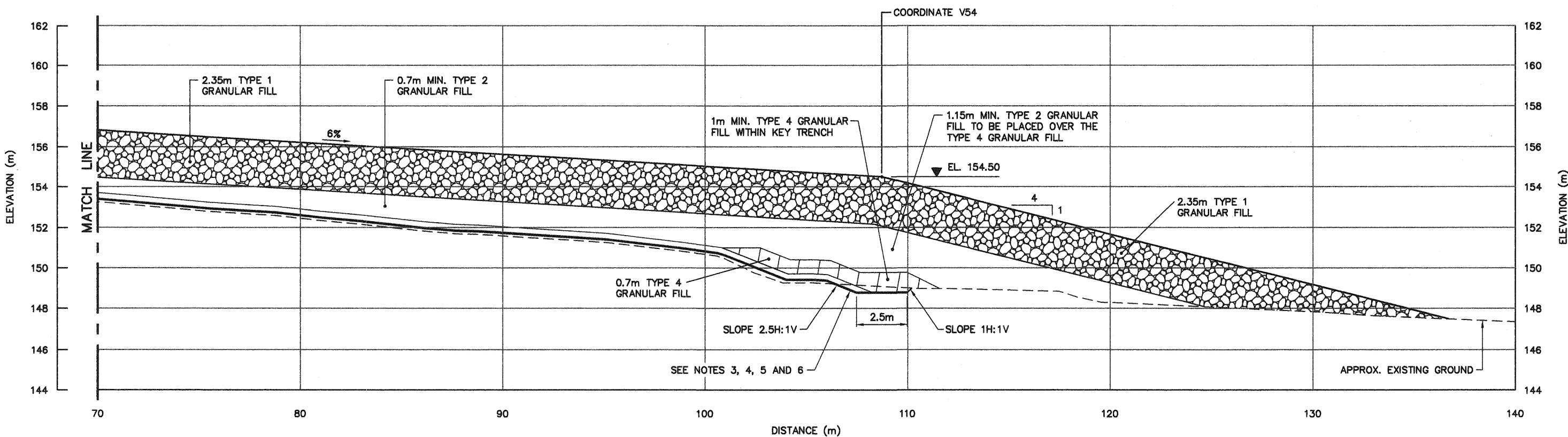
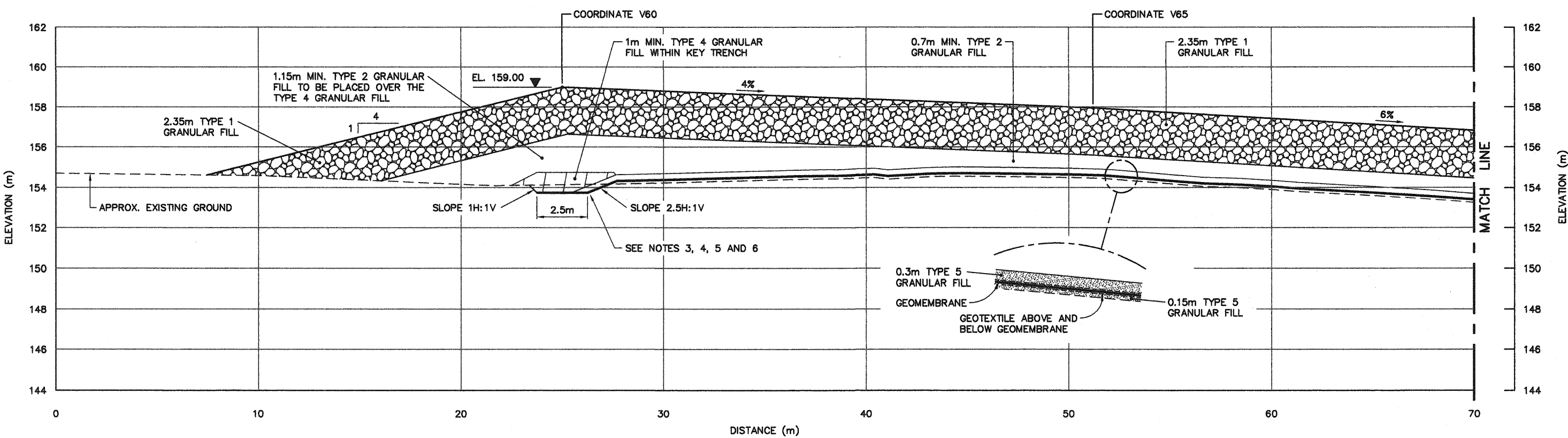
SUBJECT - SUJET

UPPER SITE LANDFILL
CROSS SECTIONS SH. 1

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

DWG. NO. - DESSIN NO.
H-L133/1-9101-128

Canada




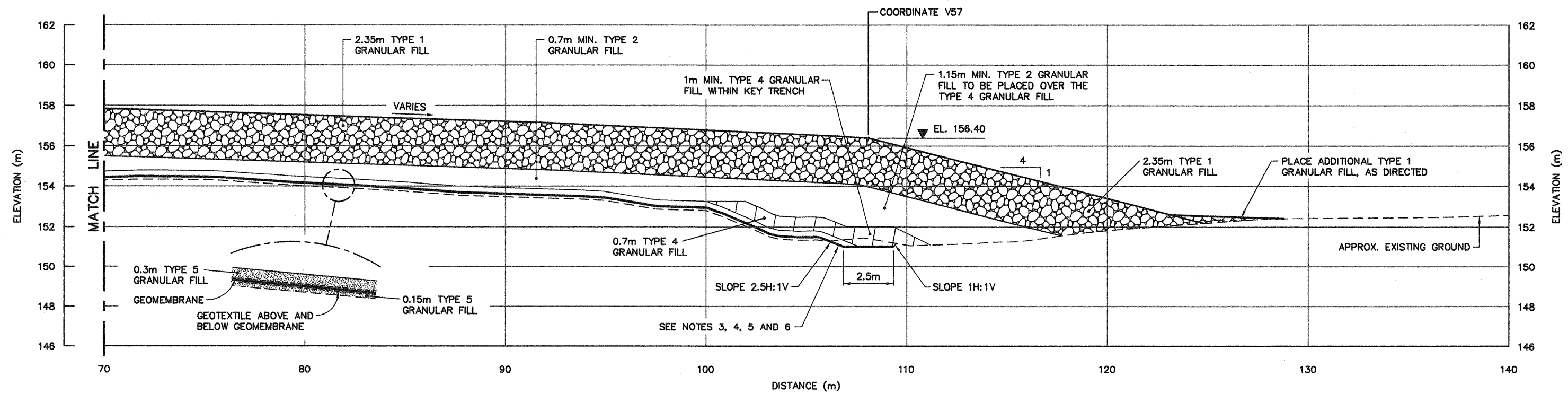
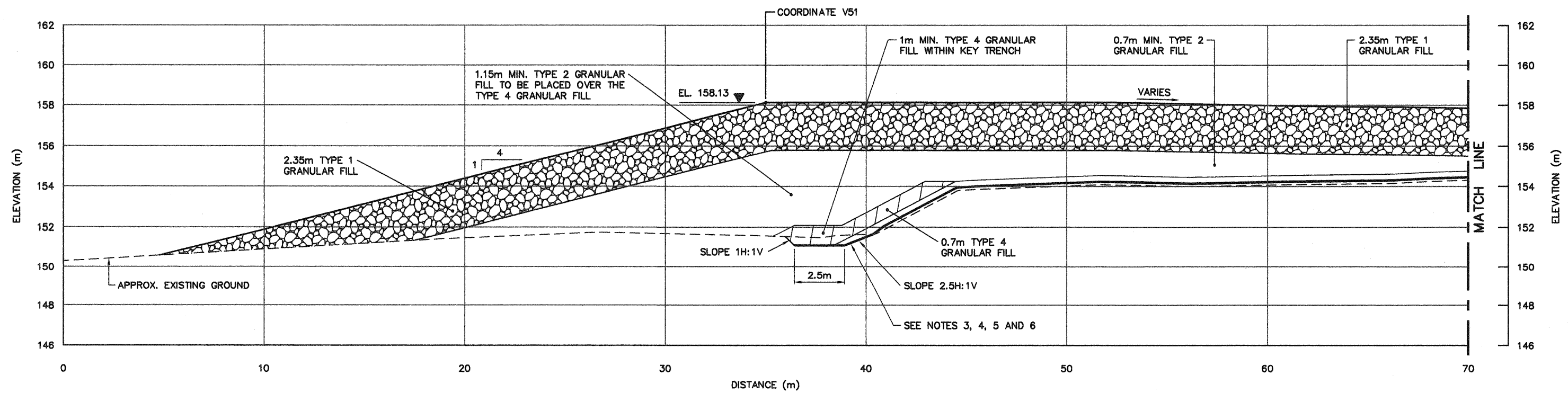
SECTION **J**
127

General Notes:

1. ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 18N. ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL, RELATIVE TO GEIOD MODEL CANADIAN HT2.0.
2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
3. EXCAVATE KEY TRENCH TO SATURATED GROUND, ICE SATURATED PERMAFROST OR SOUND BEDROCK. EXCAVATION DEPTH TO BE FIELD CONFIRMED BY THE ENGINEER.
4. PLACE SILTY SAND LEVELING COURSE BETWEEN BASE OF THE ANCHOR TRENCH EXCAVATION AND GEOMEMBRANE LINER AS DIRECTED BY THE ENGINEER.
5. IF FRACTURED ROCK IS PRESENT AT THE BASE OF THE ANCHOR TRENCH, THE FRACTURES ARE TO BE FILLED WITH BENTONITE SLURRY.
6. PREPARE BEDROCK FOUNDATION IN KEY TRENCH WHERE BEDROCK IS ENCOUNTERED.

Legend:

No.	DATE	REVISION	REVISION	APPR.
		THE ASSOCIATION OF PROFESSIONAL ENGINEERS, GEOLOGISTS AND GEOPHYSICISTS OF THE NORTHWEST TERRITORIES PERMIT NUMBER P 007 UMA ENGINEERING LTD.		
2007-10-03				
SCALE - ECHELLE 2 1 0 2 4 6m		PROJECT - PROJET FOX-2 LONGSTAFF BLUFF		
DEW LINE CLEAN UP © COPYRIGHT HER MAJESTY THE QUEEN IN RIGHT OF CANADA 2007, AS REPRESENTED BY THE MINISTER OF NATIONAL DEFENCE.				
TRADE - METIER SITING		DATE 2007-10-02		
SUBJECT - SUJET UPPER SITE LANDFILL CROSS SECTIONS SH. 2				
PRODUCTION DESIGNED ETUDIE TME/BWF DRAWN DESSINE CAE CHECKED VERIFIE RRM COORDINATION SMS		CONCURRENCE - ASSENTMENT DES OFF AGENT CONCEPT SECT HD CHEF SECT DES MGR GEST CONCEPT REVIEWED - REVU		
DWG. NO. - DESSIN NO. H-L133/1-9101-129				



SECTION K
127

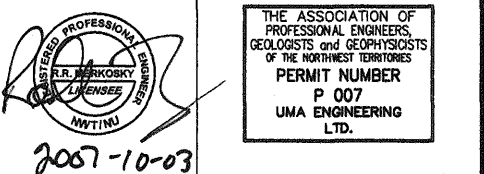
General Notes:

1. ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 18N. ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL RELATIVE TO GEOID MODEL CANADIAN HT2.0.
2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
3. ALL NON-HAZARDOUS DEBRIS TO BE PLACED IN HANGAR NON-HAZARDOUS WASTE LANDFILL.
4. 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.
5. REGRADED SIDE SLOPES 6H:1V MAXIMUM UNLESS NOTED OTHERWISE.

Legend:

- TEST PIT LOCATION
- DCC TIER I CONTAMINATED SOIL
- DCC TIER II CONTAMINATED SOIL
- COORDINATE POINT
- BODY OF WATER
- LANDFILL/BURIED DEBRIS EXCAVATION AREA

No.	DATE	REVISION	REVISION	APPR.
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UMA | AECOM | HATCH

SCALE - ECHELLE 10 5 0 10 20 30m

PROJECT - PROJET
FOX-2 LONGSTAFF BLUFF

DEW LINE CLEAN UP

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MINISTER OF NATIONAL DEFENCE.

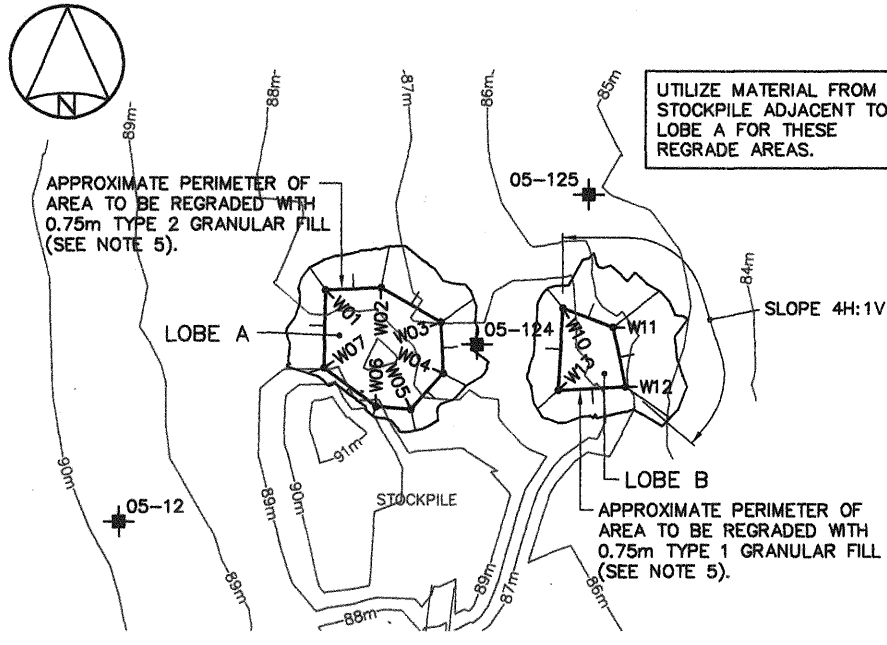
TRADE - METIER SITING DATE 2007-10-02

SUBJECT - SUJET
BORROW AREA 2 & EAST BEACH
REGRADE AND EXCAVATION
DETAILS

PRODUCTION	CONCURRENCE - ASSENTMENT
DESIGNED ETUDIE THE/DWF	DES OFF AGENT CONCEPT
DRAWN DESSINE CAE	SECT HD CHEF SECT
CHECKED VERIFIE RAM	DES MGR GEST CONCEPT
COORDINATION SMB	REVIEWED - REVU

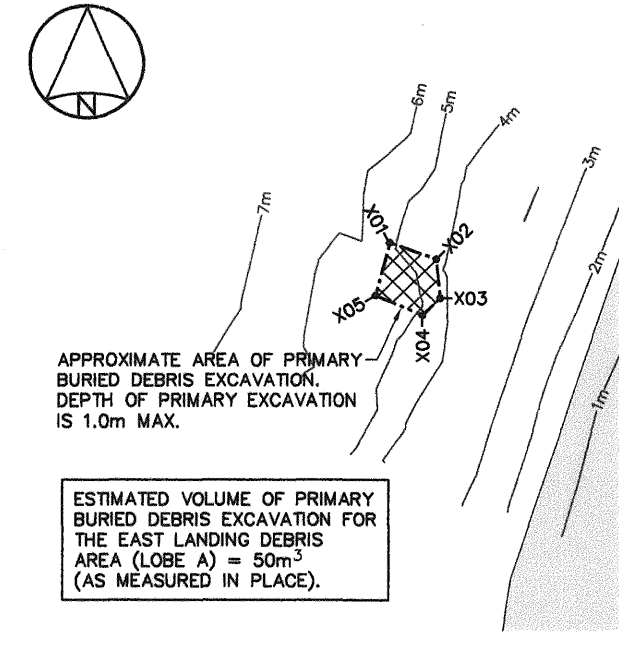
DWG. NO. - DESSIN NO.
H-L133/1-9101-130

COORDINATE POINTS LOBE A AND LOBE B REGRAIDING					
NO.	COORDINATES		NO.	COORDINATES	
	NORTHING	EASTING		NORTHING	EASTING
W01	7 643 808.3	494 687.8	W07	7 643 797.8	494 687.6
W02	7 643 808.6	494 695.1			
W03	7 643 804.0	494 703.1	W10	7 643 805.8	494 719.2
W04	7 643 797.1	494 703.3	W11	7 643 803.3	494 725.8
W05	7 643 792.2	494 699.1	W12	7 643 795.2	494 727.4
W06	7 643 792.6	494 694.5	W13	7 643 794.7	494 718.5



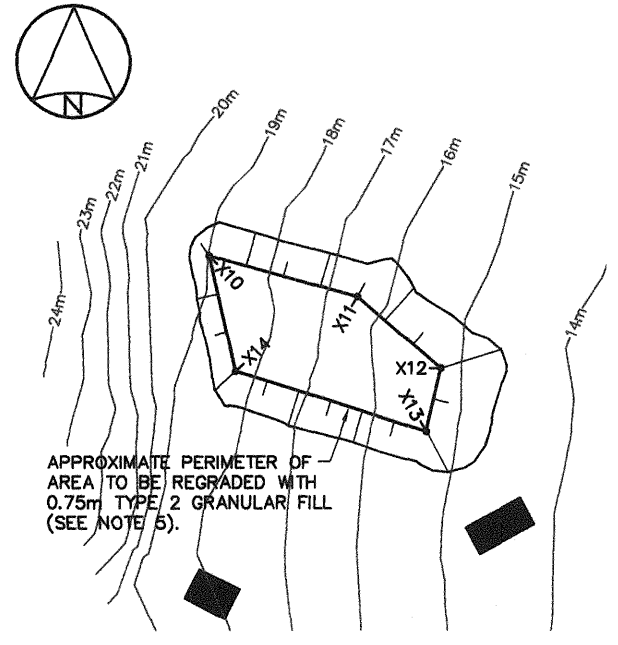
BORROW AREA 2 DEBRIS AREA
(DWG. 111)

COORDINATE POINTS LOBE A EXCAVATION		
NO.	COORDINATES	
	NORTHING	EASTING
X01	7 643 534.0	495 711.2
X02	7 643 531.8	495 717.3
X03	7 643 526.5	495 717.8
X04	7 643 524.2	495 715.5
X05	7 643 526.9	495 709.3



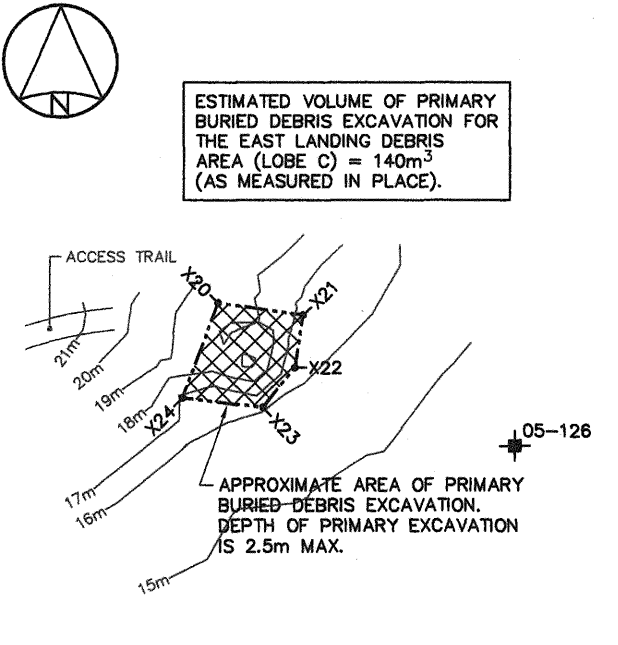
EAST LANDING DEBRIS AREA LOBE A
(DWG. 112)

COORDINATE POINTS LOBE B REGRAIDING		
NO.	COORDINATES	
	NORTHING	EASTING
X10	7 643 523.5	495 551.4
X11	7 643 517.9	495 571.0
X12	7 643 508.3	495 582.0
X13	7 643 500.0	495 580.1
X14	7 643 507.9	495 554.9



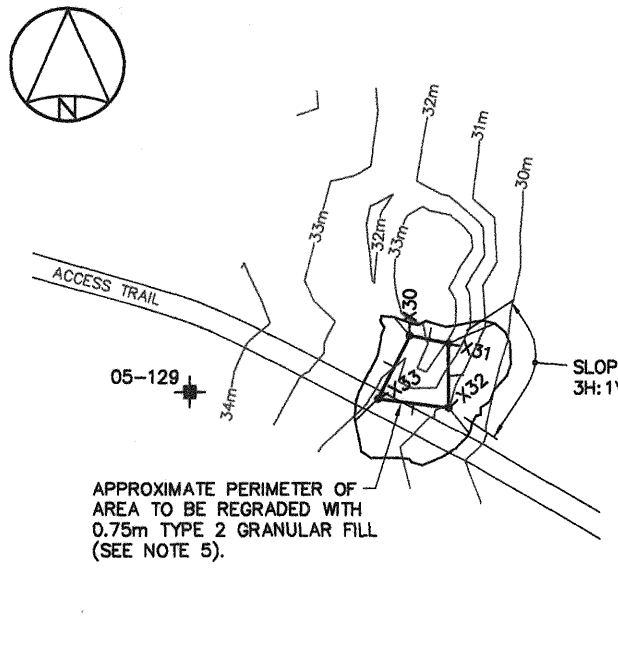
EAST LANDING DEBRIS AREA LOBE B
(DWG. 112)

COORDINATE POINTS LOBE C EXCAVATION		
NO.	COORDINATES	
	NORTHING	EASTING
X20	7 643 700.8	495 689.7
X21	7 643 699.2	495 701.0
X22	7 643 692.1	495 699.9
X23	7 643 686.8	495 695.7
X24	7 643 688.0	495 685.0



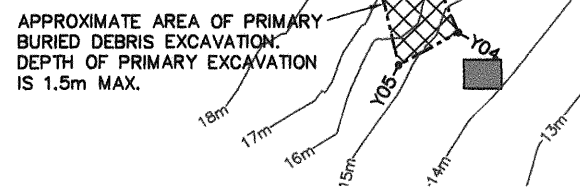
EAST LANDING DEBRIS AREA LOBE C
(DWG. 112)

COORDINATE POINTS LOBE D REGRAIDING		
NO.	COORDINATES	
	NORTHING	EASTING
X30	7 643 447.1	495 465.6
X31	7 643 446.0	495 470.6
X32	7 643 437.6	495 470.7
X33	7 643 438.8	495 461.4



EAST LANDING DEBRIS AREA LOBE D
(DWG. 112)

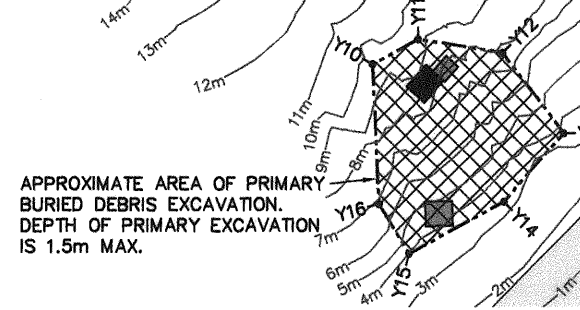
ESTIMATED VOLUME OF PRIMARY
BURIED DEBRIS EXCAVATION FOR
THE EAST BEACH DEBRIS
AREA (LOBE A) = 70m³
(AS MEASURED IN PLACE).



EAST BEACH DEBRIS AREA LOBE A
(DWG. 111)

COORDINATE POINTS LOBE A EXCAVATION		
NO.	COORDINATES	
	NORTHING	EASTING
Y01	7 642 684.7	495 530.2
Y02	7 642 688.1	495 533.5
Y03	7 642 686.3	495 537.2
Y04	7 642 678.4	495 540.6
Y05	7 642 674.1	495 532.7

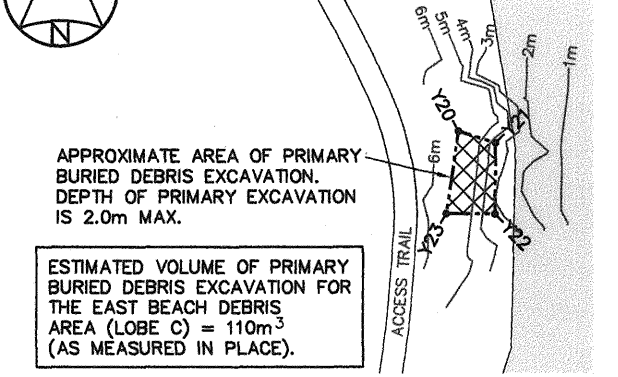
ESTIMATED VOLUME OF PRIMARY
BURIED DEBRIS EXCAVATION FOR
THE EAST BEACH DEBRIS
AREA (LOBE B) = 480m³
(AS MEASURED IN PLACE).



EAST BEACH DEBRIS AREA LOBE B
(DWG. 111)

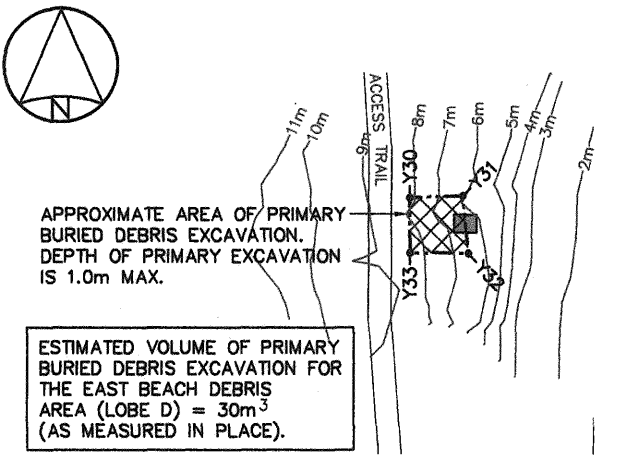
COORDINATE POINTS LOBE B EXCAVATION		
NO.	COORDINATES	
	NORTHING	EASTING
Y10	7 642 813.9	495 701.6
Y11	7 642 817.2	495 707.6
Y12	7 642 815.4	495 718.7
Y13	7 642 805.0	495 726.8
Y14	7 642 795.9	495 718.9
Y15	7 642 789.1	495 706.4
Y16	7 642 795.6	495 702.4

COORDINATE POINTS LOBE C EXCAVATION		
NO.	COORDINATES	
	NORTHING	EASTING
Y20	7 643 012.1	495 819.8
Y21	7 643 010.5	495 824.7
Y22	7 643 001.1	495 824.7
Y23	7 643 001.1	495 818.2



EAST BEACH DEBRIS AREA LOBE C
(DWG. 111)

COORDINATE POINTS LOBE D EXCAVATION		
NO.	COORDINATES	
	NORTHING	EASTING
Y30	7 643 107.4	495 795.0
Y31	7 643 107.6	495 802.0
Y32	7 643 100.2	495 802.7
Y33	7 643 100.3	495 795.0



EAST BEACH DEBRIS AREA LOBE D
(DWG. 111)

General Notes:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. APPROXIMATE LOCATIONS FOR INSTRUMENTATION ARE SHOWN ON THE DRAWINGS. ALL LOCATIONS TO BE FIELD CONFIRMED BY THE ENGINEER.
3. MOUND FILL AROUND CASING TO PROMOTE DRAINAGE AWAY FROM INSTRUMENT.
4. PROVIDE THERMISTOR BEADS AT 0.5m MAXIMUM INTERVALS, INCLUDING ONE AT THE BOTTOM OF THE INSTALLATION AND ONE WITHIN A 0.5m DEPTH FROM FINAL DESIGN SURFACE IN EACH INSTALLATION.

Legend:



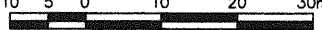
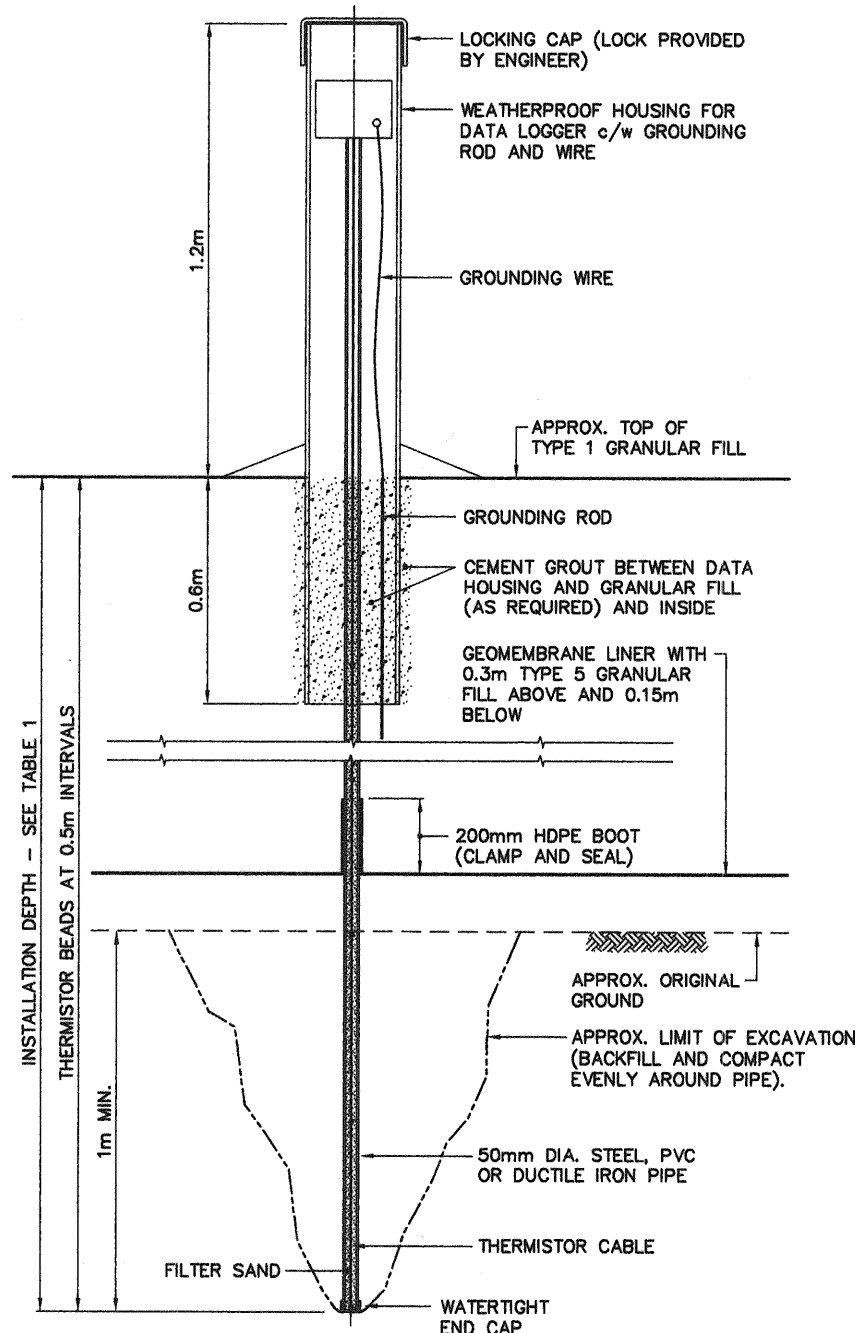
No.	DATE	REVISION	REVISION	APPR.
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UMA		AECOM		
SCALE = ÉCHELLE 10 5 0 10 20 30m 				
PROJECT - PROJET FOX-2 LONGSTAFF BLUFF				
DEW LINE CLEAN UP				
© COPYRIGHT HER MAJESTY THE QUEEN IN RIGHT OF CANADA 2007, AS REPRESENTED BY THE MINISTER OF NATIONAL DEFENCE.				
TRADE - MÉTIER		SITING		DATE 2007-10-02
SUBJECT - SUJET				
MISCELLANEOUS DETAILS			SH. 1	
PRODUCTION		CONCURRENCE - ASSENTIMENT		
DESIGNED ETUDIE <i>TIME/BWF</i>		DES OFF AGENT CONCEPT		
DRAWN DESSINE <i>CAE</i>		SECT HD CHIEF SECT		
CHECKED VÉRIFIÉ <i>RRM</i>		DES MGR GEST CONCEPT		
COORDINATION <i>SMS</i>		REVIEWED - REVU		
DWG. NO. - DESSIN NO. H-L133/1-9101-131				

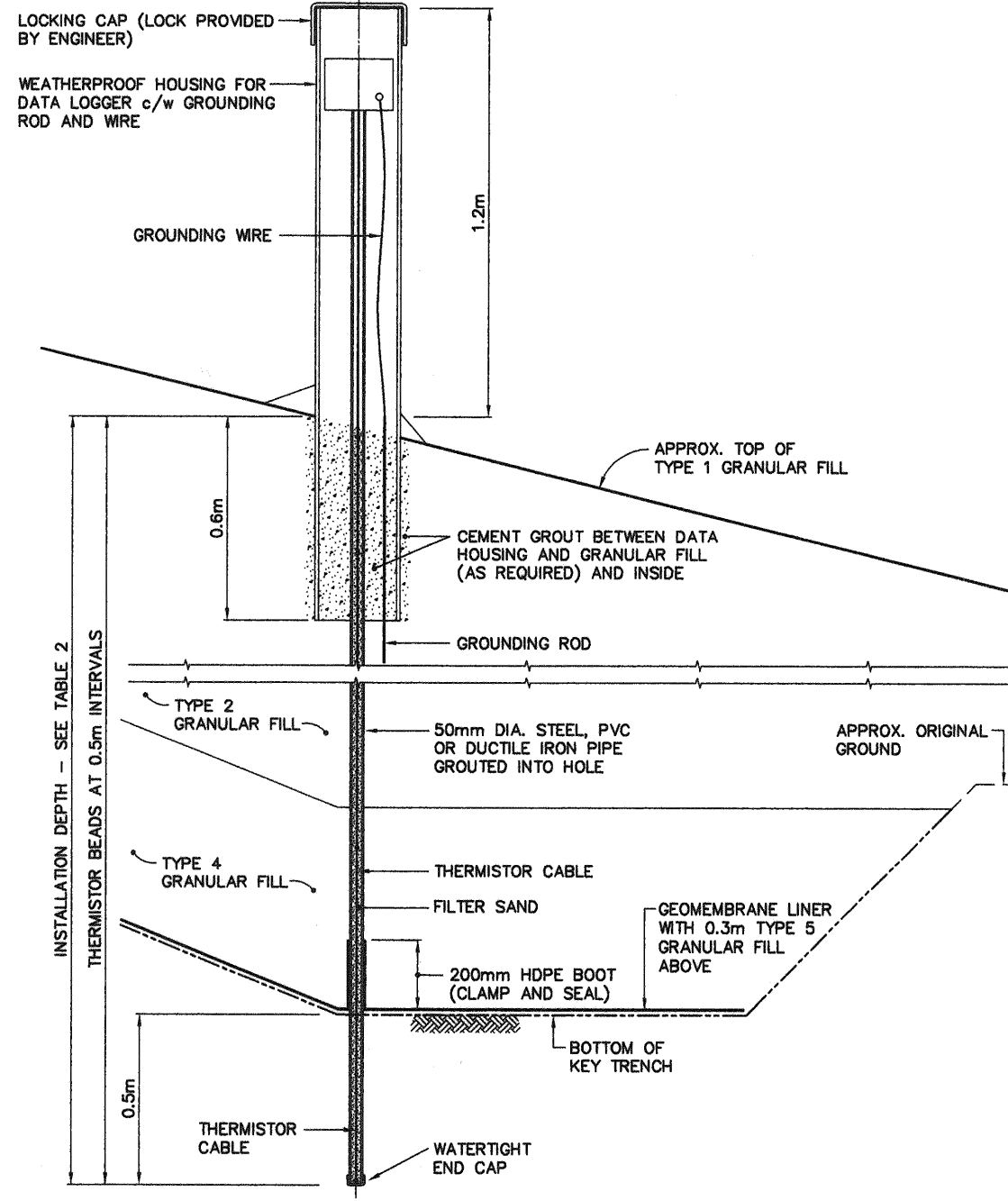
TABLE 1 GROUND TEMPERATURE CABLE INSTALLATION		
INSTRUMENT No.	APPROXIMATE DEPTH BELOW FINAL GRADE (m)	COMMENTS
UPPER SITE LANDFILL		
VT-5	5.0	LOCATED ON PLATEAU OF LANDFILL
VT-6	4.5	LOCATED ON PLATEAU OF LANDFILL

TABLE 2 GROUND TEMPERATURE CABLE INSTALLATION		
INSTRUMENT No.	APPROXIMATE DEPTH BELOW FINAL GRADE (m)	COMMENTS
UPPER SITE LANDFILL		
VT-7	5.8	INSTALL IN TRENCH, 0.5m BELOW LINER
VT-8	6.2	INSTALL IN TRENCH, 0.5m BELOW LINER

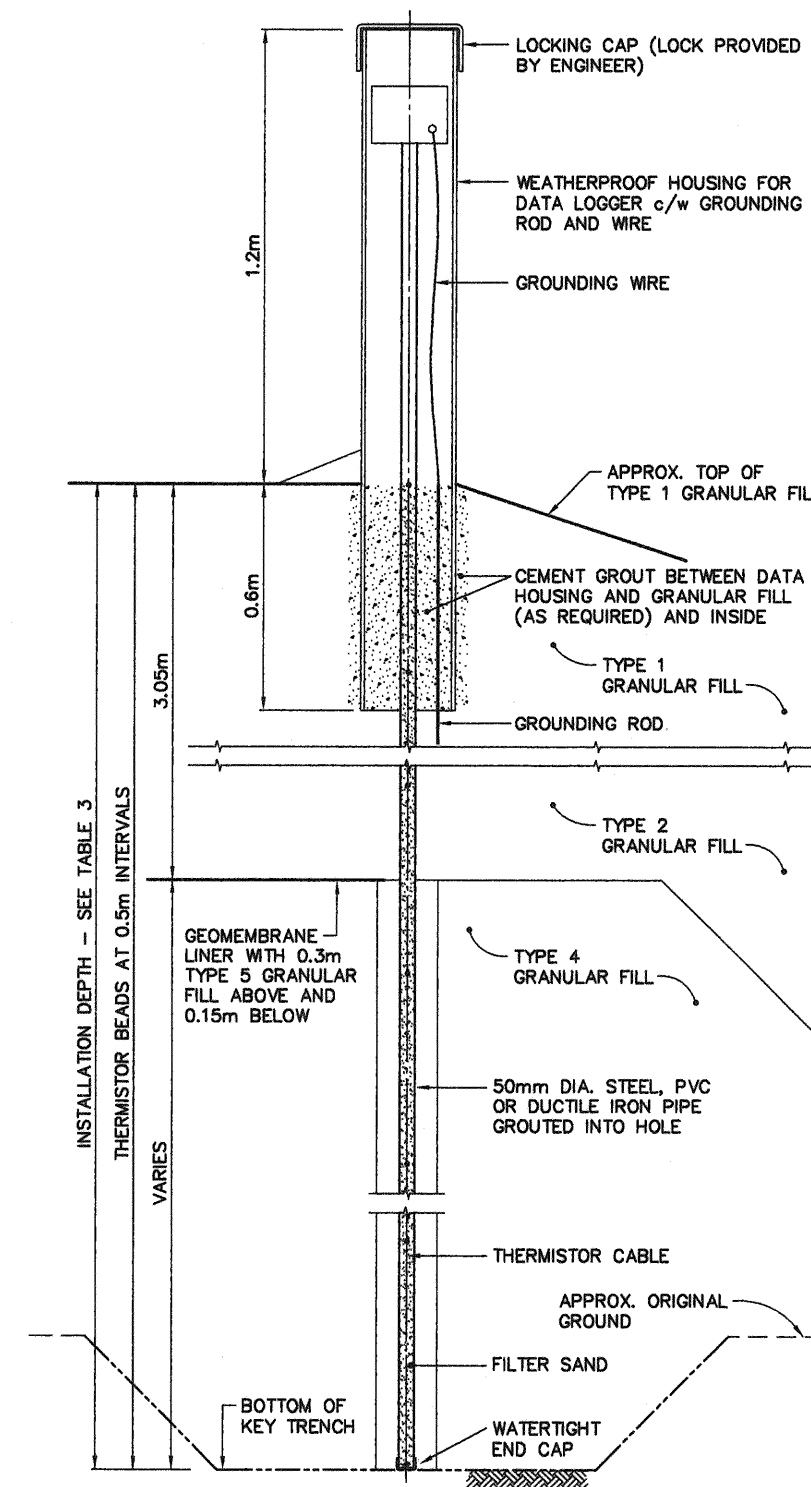
TABLE 3 GROUND TEMPERATURE CABLE INSTALLATION		
INSTRUMENT No.	APPROXIMATE DEPTH BELOW FINAL GRADE (m)	COMMENTS
TIER II DISPOSAL FACILITY		
VT-1	6.5	INSTALL THROUGH BERM TO INVERT OF KEY TRENCH
VT-2	5.0	INSTALL TO 1.0m ABOVE ELEVATION OF BOTTOM LINER
VT-3	5.0	INSTALL TO 1.0m ABOVE ELEVATION OF BOTTOM LINER
VT-4	7.8	INSTALL THROUGH BERM TO INVERT OF KEY TRENCH



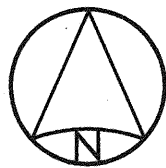
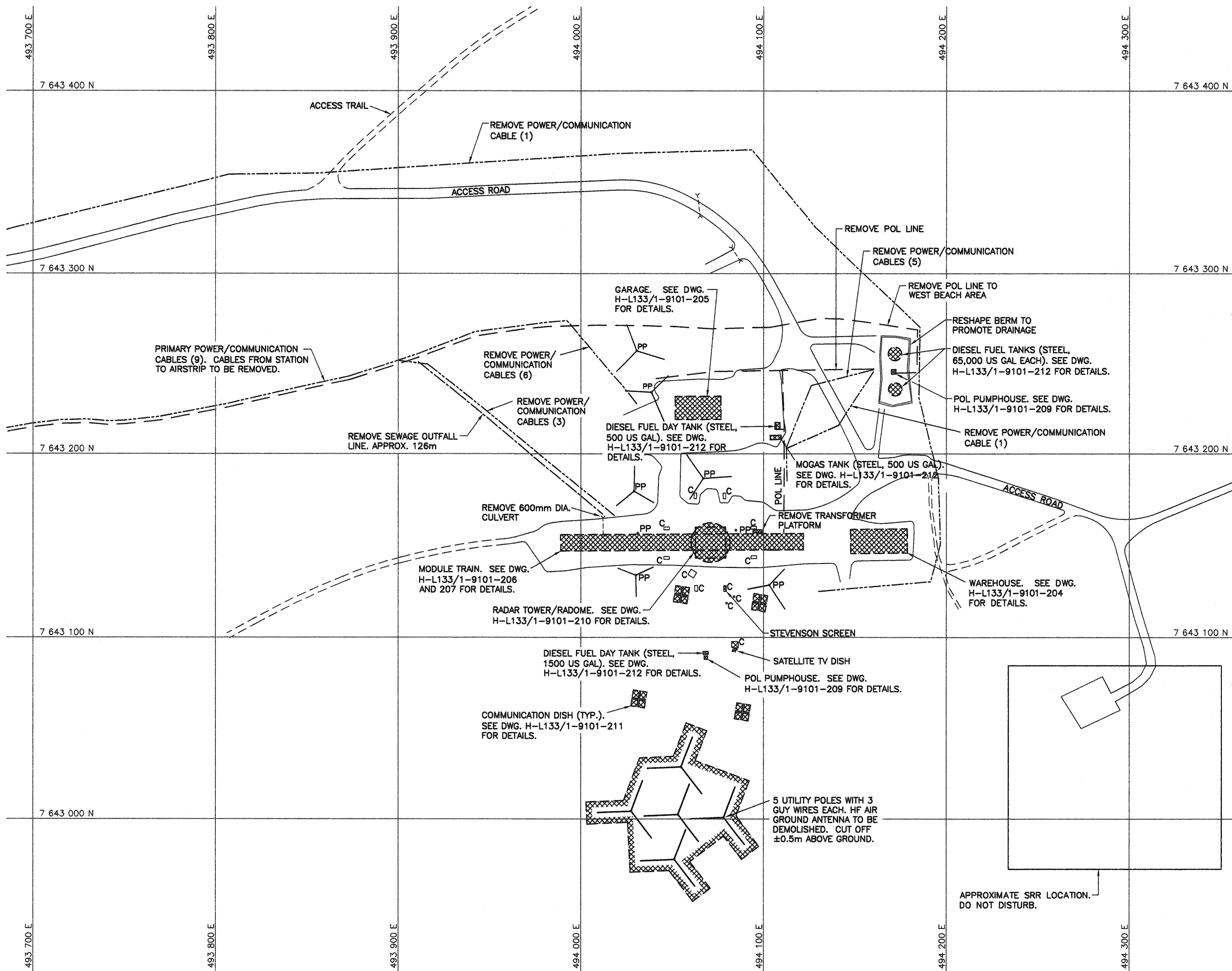
TYPICAL GROUND TEMPERATURE CABLE
INSTALLATION - PLATEAU
N.T.S.



TYPICAL GROUND TEMPERATURE CABLE
INSTALLATION - KEY TRENCH
N.T.S.



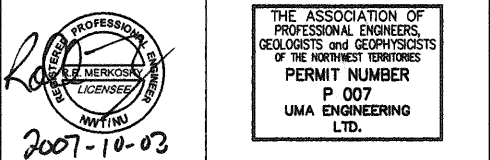
TYPICAL GROUND TEMPERATURE CABLE INSTALLATION
N.T.S.



- General Notes:
1. ALL STRUCTURES DESIGNATED FOR DEMOLITION TO BE DEMOLISHED TO TOP OF CONCRETE FOUNDATIONS UNLESS NOTED OTHERWISE. CONCRETE FOUNDATIONS TO BE REGRADED AS PER TYPICAL CONCRETE PAD REGRADING DETAIL ON THIS PAGE.
 2. ALL POLES AND GUYS TO BE REMOVED UNLESS NOTED OTHERWISE.
 3. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
 4. ALL CULVERTS TO BE REMAIN UNLESS NOTED OTHERWISE.
 5. ALL SHORT RANGE RADAR (SRR) FACILITIES ARE CURRENTLY OPERATIONAL AND ARE NOT TO BE DISTURBED.
 6. THE COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 18N. ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL, RELATIVE TO GEOID MODEL CANADIAN HT2_0.

- Legend:
- TO BE DEMOLISHED
 - BODY OF WATER
 - UTILITY POLE
 - POL LINE
 - POWER/COMMUNICATION CABLES
 - SEWAGE OUTFALL LINE
 - CONCRETE PAD

No.	DATE	REVISION	REVISION	APPR.
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UMA AECOM HATCH

SCALE - ECHELLE 20 10 0 20 40 60m

PROJECT - PROJET
FOX-2 LONGSTAFF BLUFF

DEW LINE CLEAN UP

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CANADA 2007, AS REPRESENTED BY THE
MINISTER OF NATIONAL DEFENCE.

TRADE - METIER
STRUCTURAL

DATE
2007-10-02

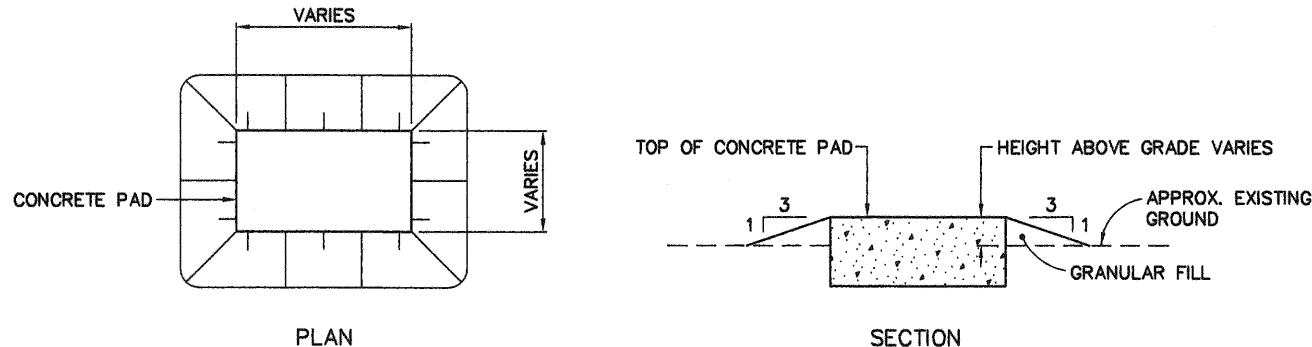
SUBJECT - SUJET

STATION AREA
DEMOLITION SITE PLAN

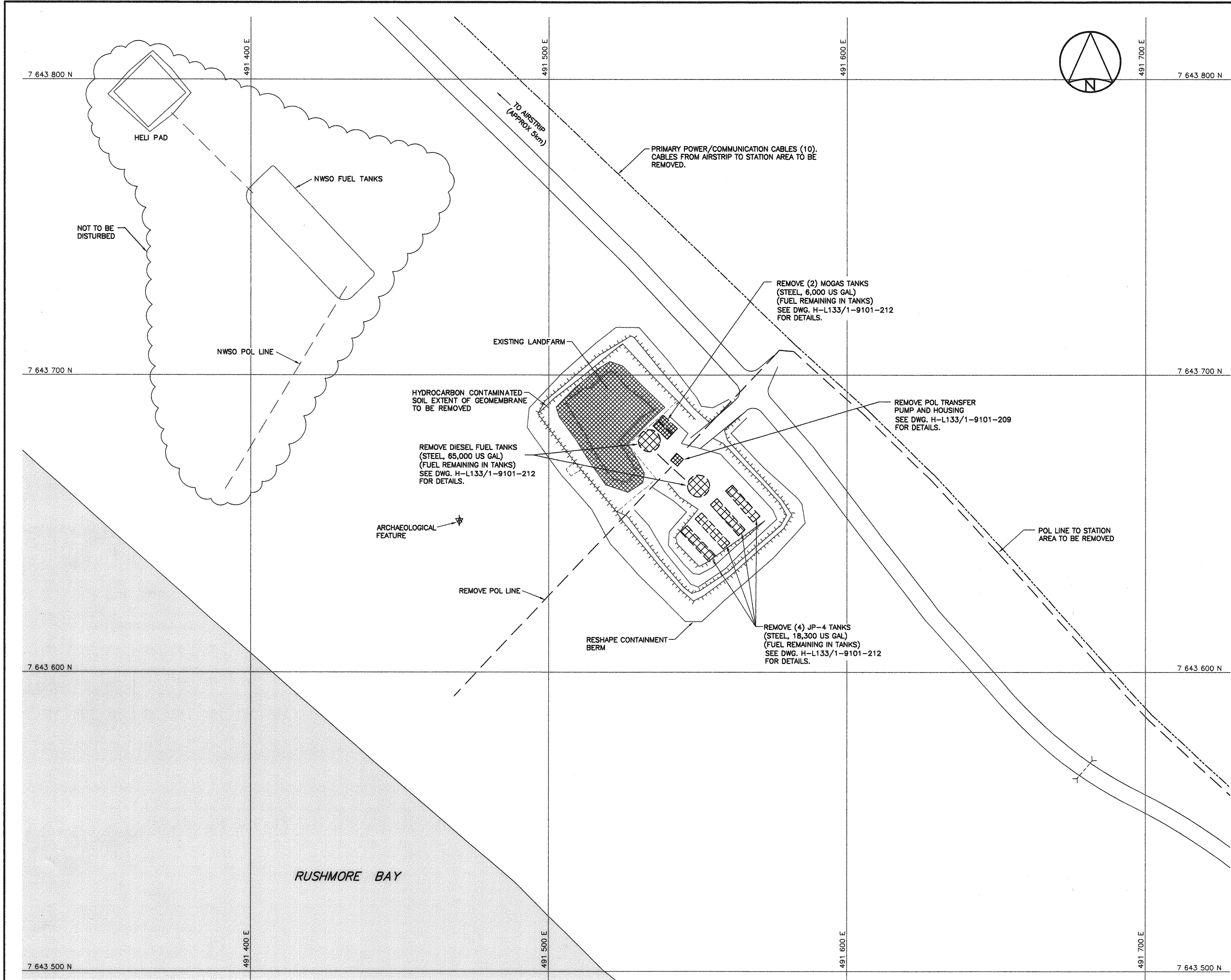
PRODUCTION	CONCURRENCE - ASSENTIMENT
DESIGNED ETUDIE GRH	DES OFF AGENT CONCEPT
DRAWN DESSINE CC	SECT HD CHEF SECT
CHECKED VERIFIE RRM	DES MGR GEST CONCEPT
COORDINATION SMS	REVIEWED - REVU


DWG. NO. - DESSIN NO.
H-L133/1-9101-201

Canada




TYPICAL CONCRETE PAD REGRADING DETAIL
N.T.S.





National
Défense




Défense
nationale


Headquarters
Quartier général


General Notes:


1. ALL STRUCTURES DESIGNATED FOR DEMOLITION TO BE DEMOLISHED TO TOP OF CONCRETE FOUNDATIONS UNLESS NOTED OTHERWISE.
2. ALL POLES AND GUYS TO BE REMOVED UNLESS NOTED OTHERWISE.
3. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
4. ALL CULVERTS TO BE REMAIN UNLESS NOTED OTHERWISE.
5. THE COORDINATES ARE REFERENCED TO NAD83 (GSR5), UTM ZONE 18N. ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL, RELATIVE TO GEOD MODEL CANADIAN HT2_0.
6. LOCATIONS OF POL LINES AND POWER COMMUNICATION CABLES ARE APPROXIMATE ONLY.

Legend:


 TO BE DEMOLISHED

 BODY OF WATER

 POL LINE

 POWER/COMMUNICATION CABLES

No.	DATE	REVISION	REVISION	APPR.



2007-10-03

THE ASSOCIATION OF
PROFESSIONAL ENGINEERS,
GEOLOGISTS AND GEOPHYSICISTS
OF THE NORTHWEST TERRITORIES
PERMIT NUMBER
P 007
UMA ENGINEERING
LTD.

UMA | AECOM | HATCH

SCALE - ECHELLE 10 5 0 10 20 30m

PROJECT - PROJET
FOX-2 LONGSTAFF BLUFF

DEW LINE CLEAN UP

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CANADA 2007, AS REPRESENTED BY THE
MINISTER OF NATIONAL DEFENCE.

TRADE - METIER
STRUCTURAL

DATE
2007-10-02

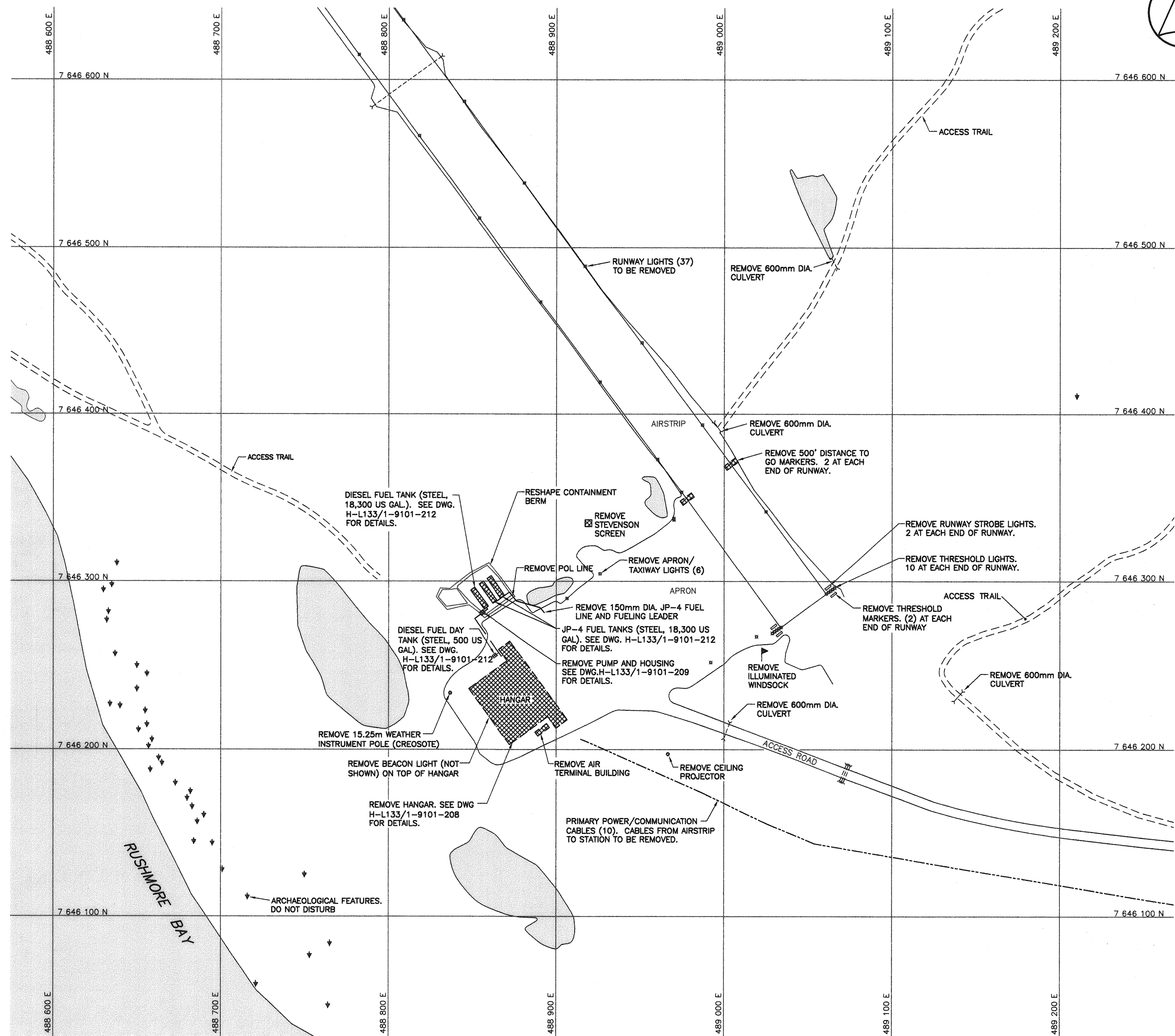
SUBJECT - SUJET

BEACH AREA
DEMOLITION SITE PLAN

PRODUCTION		CONCURRENCE - ASSENTIMENT	
DESIGNED ETUDIE GRH		DES OFF AGENT CONCEPT	
DRAWN DESSINE CG		SECT HD CHEF SECT	
CHECKED VERIFIE RRM		DES MGR GEST CONCEPT	
COORDINATION SMB		REVIEWED - REVU	

DWG. NO. - DESSIN NO.
H-133/1-9101-202

Canada



General Notes:

1. ALL STRUCTURES DESIGNATED FOR DEMOLITION TO BE DEMOLISHED TO TOP OF CONCRETE FOUNDATIONS UNLESS NOTED OTHERWISE.
2. ALL POLES AND GUYS TO BE REMOVED UNLESS NOTED OTHERWISE.
3. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
4. ALL CULVERTS TO BE REMAIN UNLESS NOTED OTHERWISE.
5. ALL DEMOLITION DEBRIS (UNLESS SPECIFIED OTHERWISE) TO BE DISPOSED AND COMPACTED AT NEW AIRSTRIP NON HAZARDOUS LANDFILL.
6. THE COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 18N. ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL, RELATIVE TO GEIOD MODEL CANADIAN HT2_0.

Legend:

- TO BE DEMOLISHED
- BODY OF WATER
- POL LINE
- POWER/COMMUNICATION CABLES
- ARCHAEOLOGICAL FEATURE

No.	DATE	REVISION	REVISION	APPR.
-----	------	----------	----------	-------



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LTD.

UMA | AECOM | HATCH

SCALE - ECHELLE 20 10 0 20 40 60m

PROJECT - PROJET
FOX-2 LONGSTAFF BLUFF

DEW LINE CLEAN UP

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MINISTER OF NATIONAL DEFENCE.

TRADE - METIER STRUCTURAL DATE 2007-10-02

SUBJECT - SUJET

AIRSTRIP AREA
DEMOLITION SITE PLAN

PRODUCTION	CONCURRENCE - ASSENTMENT
DESIGNED ETUDIE ORH	DES OFF AGENT CONCEPT
DRAWN DESSINE CG	SECT HD CHEF SECT
CHECKED VERIFIE RRM	DES MGR GEST CONCEPT
COORDINATION SMS	REVIEWED - REVU

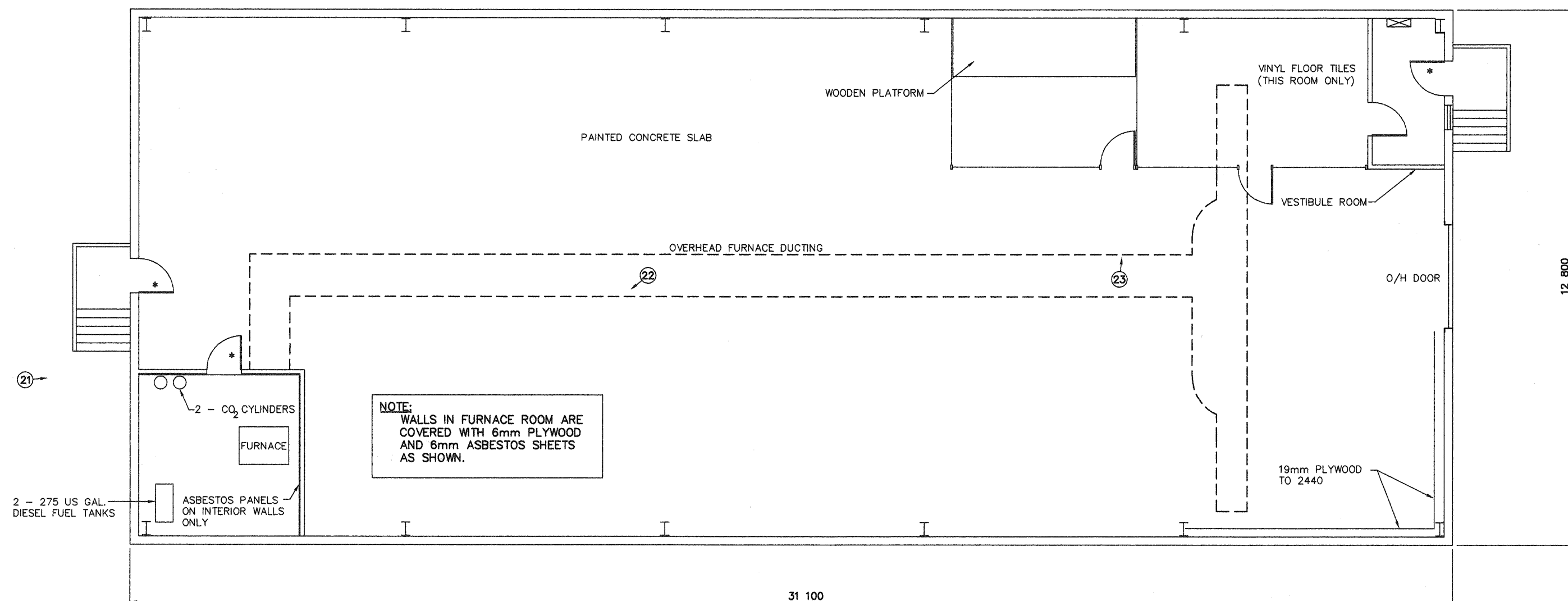
DWG. NO. - DESSIN NO.
H-L133/1-9101-203

General Notes:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. ASBESTOS PANELS TO BE REMOVED FROM FURNACE ROOM AND VESTIBULE WALLS.
3. REFER TO DEMOLITION TABLES IN SPECIFICATIONS FOR LIST OF MAJOR BUILDING CONTENTS.
4. FACILITIES TO BE DEMOLISHED MAY CONTAIN PCB AND LEAD CONTAMINATED PAINT. REFER TO SECTION 02060 OF THE SPECIFICATIONS.

Legend:

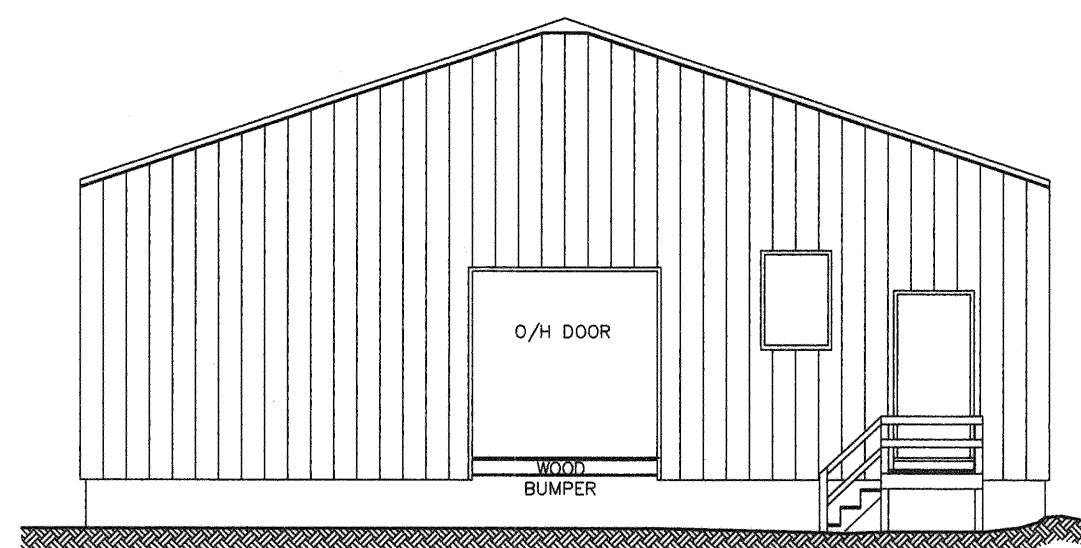
(21) PHOTOGRAPHIC VIEWPOINT



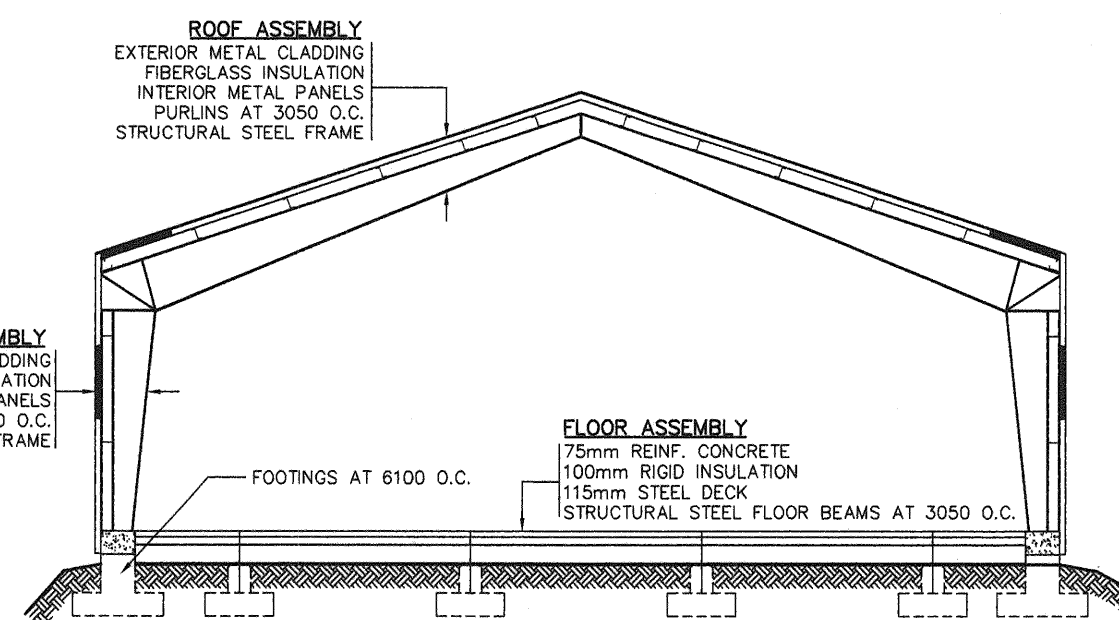
PLAN

LIGHTING
COMBINATION OF FLOURESCENT
AND INCANDESCENT

DOORS
* ASBESTOS CORE

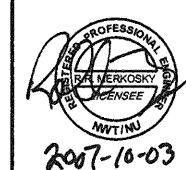


ELEVATION



SECTION

No.	DATE	REVISION	REVISION	APPR.



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OF THE NORTHWEST TERRITORIES
PERMIT NUMBER
P 007
UMA ENGINEERING
LTD.

UMA AECOM

HATCH

SCALE - ECHELLE 1 0.5 0 1 2 3m

PROJECT - PROJET
FOX-2 LONGSTAFF BLUFF

DEW LINE CLEAN UP

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MINISTER OF NATIONAL DEFENCE.

TRADE - METIER STRUCTURAL DATE 2007-10-02

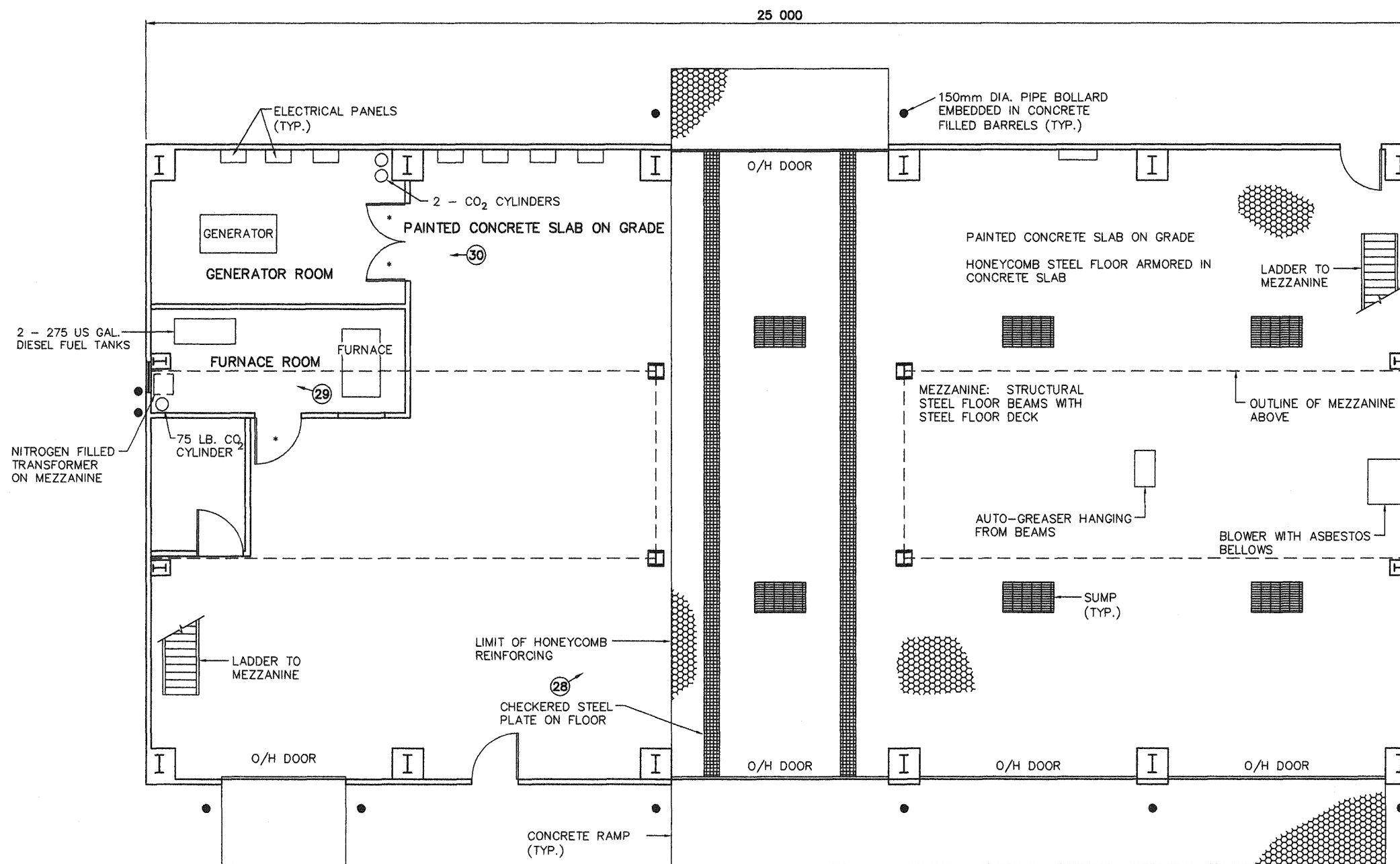
SUBJECT - SUJET

WAREHOUSE
PLAN, SECTION AND ELEVATION

PRODUCTION	CONCURRENCE - ASSENTIMENT
DESIGNED ETUDIE ORH	DES OFF AGENT CONCEPT
DRAWN DESSINE OG	SECT HD CHEF SECT
CHECKED VERIFIE RRM	DES MGR GEST CONCEPT
COORDINATION SMS	REVIEWED - REVU

DWG. NO. - DESSIN NO.
H-L133/1-9101-204

Canada

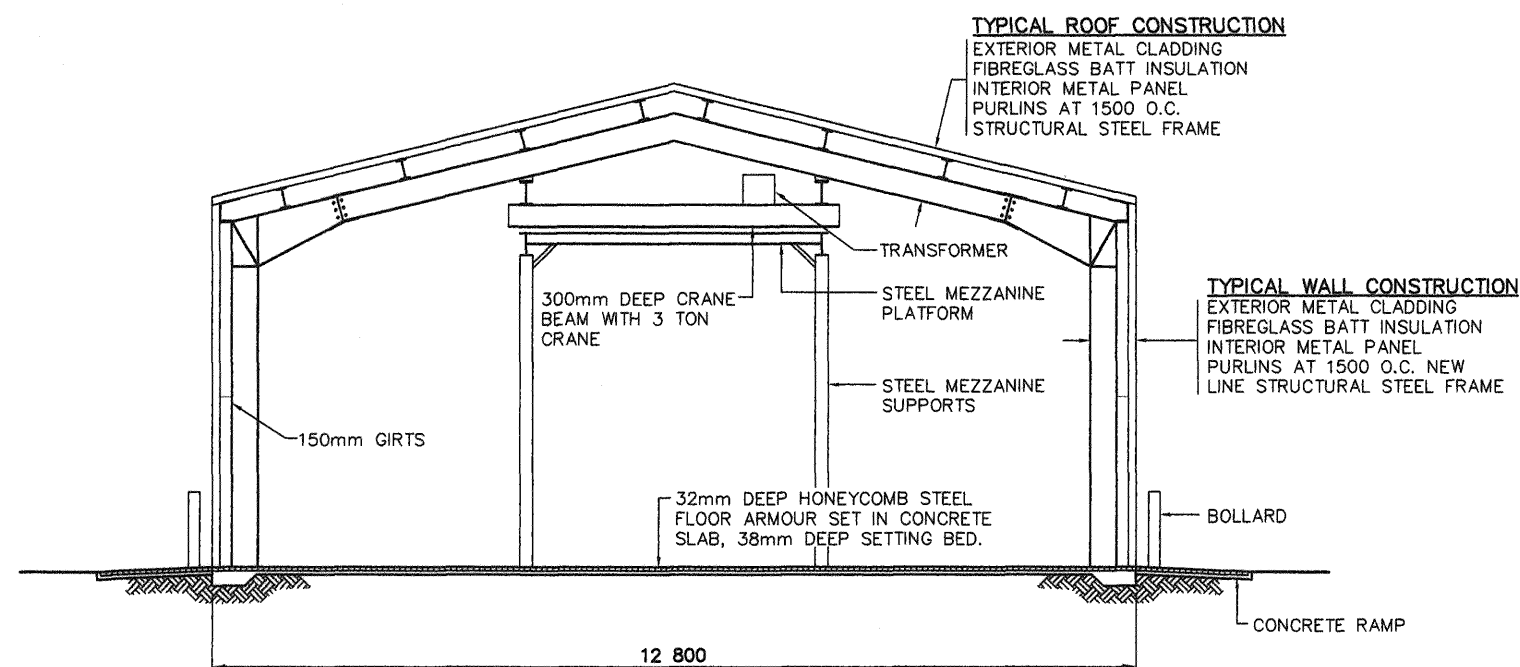


FLOOR PLAN

COMMENTS

AS SHOWN.
LIGHTING USES PCB BALLASTS

DOORS
* ASBESTOS CORE



SECTION

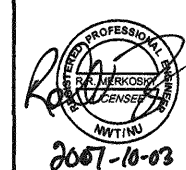
General Notes:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. REFER TO DEMOLITION TABLES IN SPECIFICATIONS FOR LIST OF MAJOR BUILDING CONTENTS.
3. FACILITIES TO BE DEMOLISHED MAY CONTAIN PCB AND LEAD CONTAMINATED PAINT. REFER TO SECTION 02060 OF THE SPECIFICATIONS.

Legend:

27 PHOTOGRAPHIC VIEWPOINT

No.	DATE	REVISION	REVISION	APPR.
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UMA ENGINEERING
LTD.

UMA AECOM

HATCH

SCALE - ECHELLE 1 0.5 0 1 2 3m

PROJECT - PROJET
FOX-2 LONGSTAFF BLUFF

DEW LINE CLEAN UP

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MINISTER OF NATIONAL DEFENCE.

TRADE - METIER STRUCTURAL DATE 2007-10-02

SUBJECT - SUJET

GARAGE
PLAN AND SECTION

PRODUCTION	CONCURRENCE - ASSENTIMENT
DESIGNED ETUDIE ORH	DES OFF AGENT CONCEPT
DRAWN DESSINE CB	SECT HD CHEF SECT
CHECKED VERIFIE RRM	DES MGR GEST CONCEPT
COORDINATION SMS	REVIEWED - REVU

DWG. NO. - DESSIN NO.
H-L133/1-9101-205

Canada

UNLESS NOTED OTHERWISE:

EACH ROOM CONTAINS (TYP.):

1-HEATER (1100 x 660) (WALL MOUNTED TYPE)
1-ALUMINUM WINDOW (1120 x 780)
NOTE: FLUORESCENT LIGHTS EXIST ABOVE CEILING TILES

FLOOR CONSTRUCTION (TYP.):

CARPET OVER VINYL TILE
6mm PLYWOOD
VINYL TILE
200mm DEEP FLOOR JOISTS AT 610 O.C. (APPROX.)
6mm PLYWOOD
19mm PLYWOOD
200mm THICK INSULATION
6mm THICK PLYWOOD
COPPER MESH
38 x 89 WOOD STRAPPING AT 1220 O.C.

WALL PARTITIONS BETWEEN MODULES (TYP.):

8mm PAINTED PLYWOOD - PAP
9mm THICK PLYWOOD
200mm DEEP WALL STUDS WITH INSULATION
8mm THICK PLYWOOD
COPPER MESH
150mm GAP WITH VERMICULITE
COPPER MESH
8mm THICK PLYWOOD
200mm DEEP WALL STUDS WITH INSULATION
9mm THICK PLYWOOD
8mm PAINTED PLYWOOD - PAP

DOORS

ALL DOORS ASBESTOS CORE

CEILING CONSTRUCTION (TYP.):

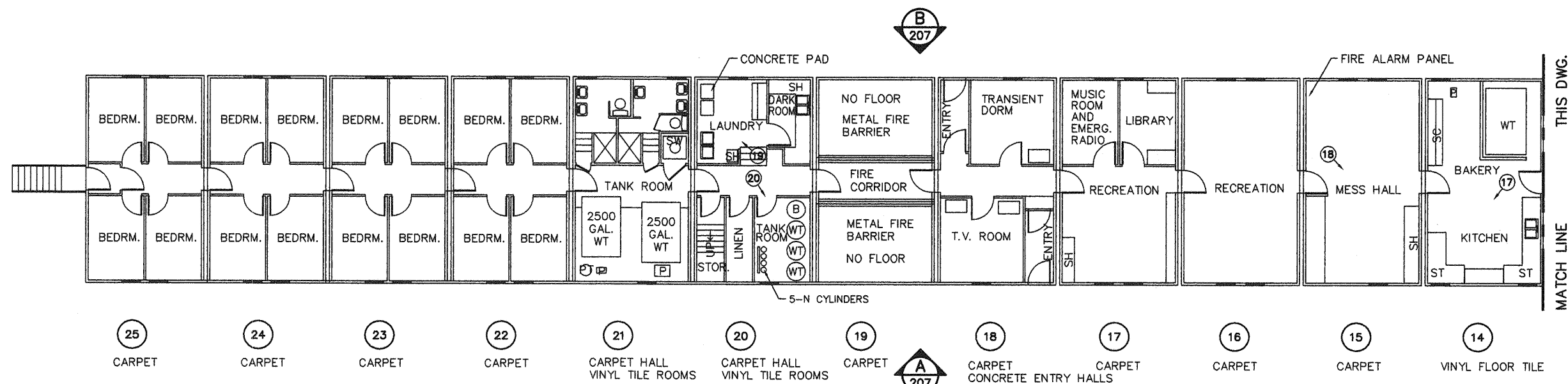
8mm PAINTED PLYWOOD - PAP
COPPER MESH
19mm THICK PLYWOOD
200mm DEEP WOOD STUDS AT 610 O.C.
WITH HORIZONTAL WOOD BLOCKING AND INSULATION
6mm PLYWOOD
8mm PAINTED PLYWOOD - PAP
T-BAR TYPE CEILING WITH TILES

INTERIOR WALL PARTITIONS (TYP.):

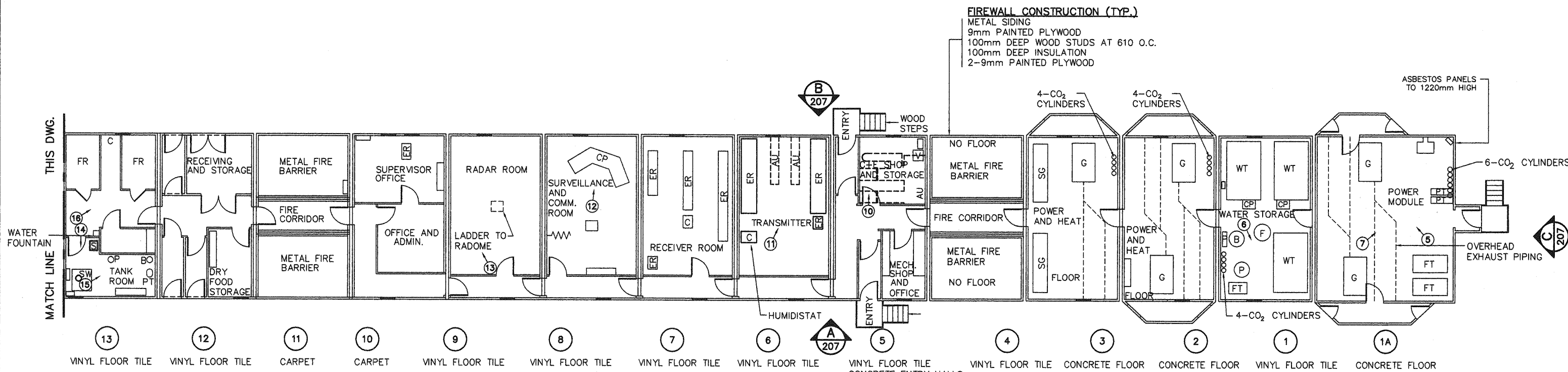
8mm PAINTED PLYWOOD - PAP
WOOD STUDS AT 1220 O.C.
INSULATION
6mm PAINTED PLYWOOD - PAP

EXTERIOR WALL CONSTRUCTION (TYP.):

EXTERIOR METAL CLADDING
STRAPPING
8mm PAINTED PLYWOOD
COPPER MESH
8mm PLYWOOD
100mm DEEP WOOD STUDS
WITH HORIZONTAL WOOD BLOCKING
100mm DEEP INSULATION
8mm THICK PLYWOOD
9mm PAINTED PLYWOOD - PAP



PLAN



PLAN

COMMENTS

TIMBER CRIB FOUNDATION WITH SILL BEAMS. INSULATED PLYWOOD PANEL MODULES, EXCEPT METAL CONSTRUCTION FIRE BARRIER MODULES.

General Notes:

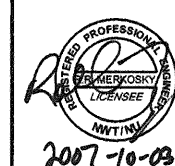
- REFER TO DEMOLITION TABLES IN SPECIFICATIONS FOR LIST OF MAJOR BUILDING CONTENTS.
- FACILITIES TO BE DEMOLISHED MAY CONTAIN PCB AND LEAD CONTAMINATED PAINT. REFER TO SECTION 02060 OF THE SPECIFICATIONS.

Legend:

AU - OVERHEAD AIR HANDLING UNIT
B - HOT WATER BOILER
C - METAL EQUIPMENT CABINET
CP - CONTROL PANEL
CR - COMPRESSOR
F - WATER TREATMENT EQUIPMENT
ER - EQUIPMENT RACK
F - FILTER
FT - FUEL TANK
FR - FREEZER
G - GENERATOR
PT - PRESSURE TANK
P - PUMP
S - SINK
SC - STEEL CABINETS
SG - SWITCH GEAR
ST - STEEL COUNTERTOPS AND CABINETS
SW - SEWAGE TANK
T - VERTICAL TANK
V - VOLTAGE REGULATOR
WT - WATER TANK

5 - PHOTOGRAPHIC VIEWPOINT

No. DATE REVISION REVISION APPR.



THE ASSOCIATION OF PROFESSIONAL ENGINEERS, GEOLOGISTS AND GEOPHYSICISTS OF THE NORTHWEST TERRITORIES
PERMIT NUMBER
P 007
UMA ENGINEERING LTD.

UMA AECOM HATCH

SCALE - ECHELLE 2 1 0 2 4 6m

PROJECT - PROJET FOX-2 LONGSTAFF BLUFF

DEW LINE CLEAN UP

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TRADE - METIER STRUCTURAL DATE 2007-10-02

SUBJECT - SUJET

MODULE TRAIN UNITS 1A-25 PLAN

PRODUCTION	CONCURRENCE - ASSENTIMENT
DESIGNED ETUDIE GRH	DES OFF AGENT CONCEPT
DRAWN DESSINE CG	SECT HD CHEF SECT
CHECKED VERIFIE RRM	DES MGR GEST CONCEPT
COORDINATION SMS	REVIEWED - REVU

DWG. NO. - DESSIN NO.
H-L133/1-9101-206

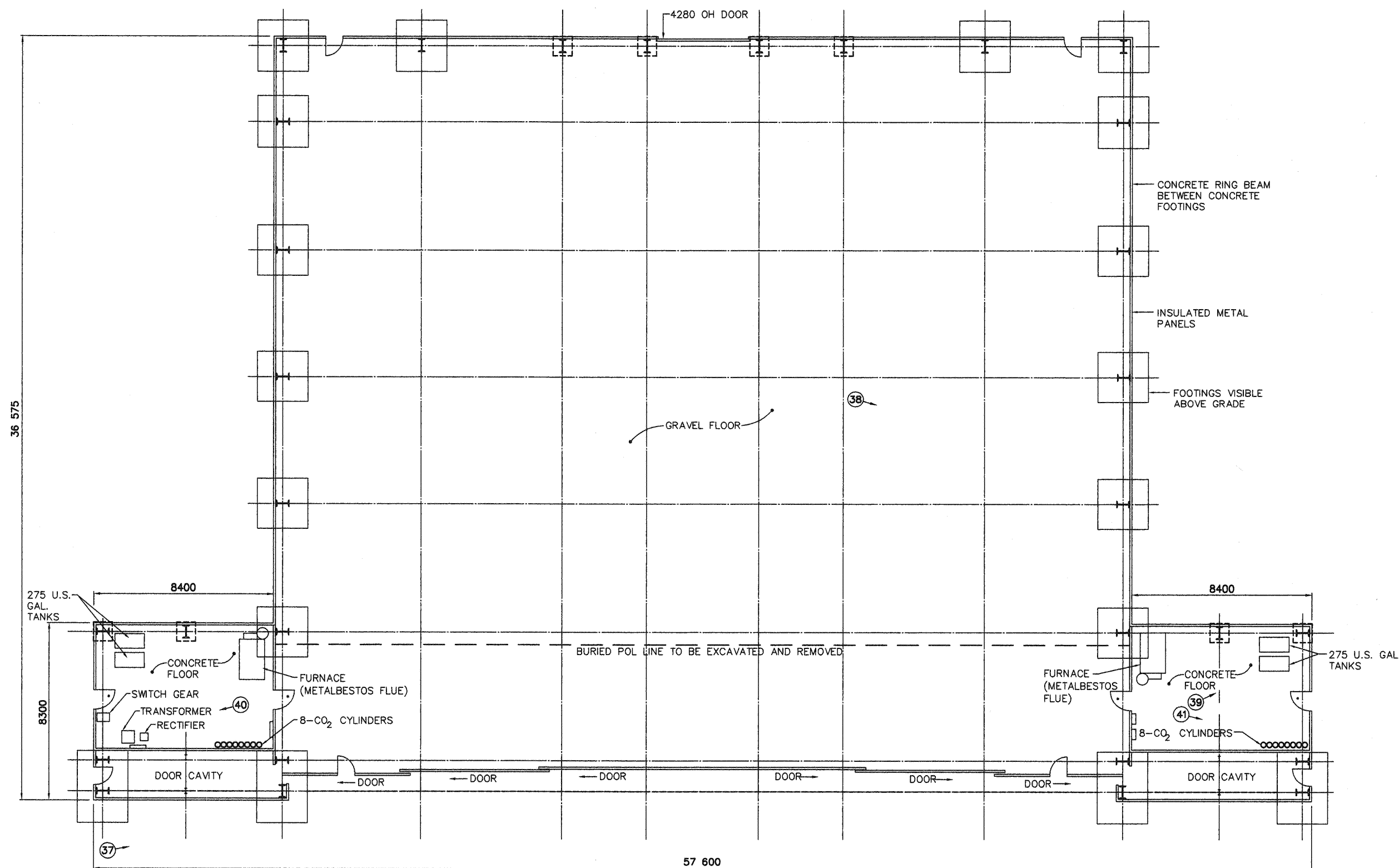
ELEVATION C
206

General Notes:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. REFER TO DEMOLITION TABLES IN SPECIFICATIONS FOR LIST OF MAJOR BUILDING CONTENTS.
3. FACILITIES TO BE DEMOLISHED MAY CONTAIN PCB AND LEAD CONTAMINATED PAINT. REFER TO SECTION 02060 OF THE SPECIFICATIONS.

Legend:

(37) PHOTOGRAPHIC VIEWPOINT

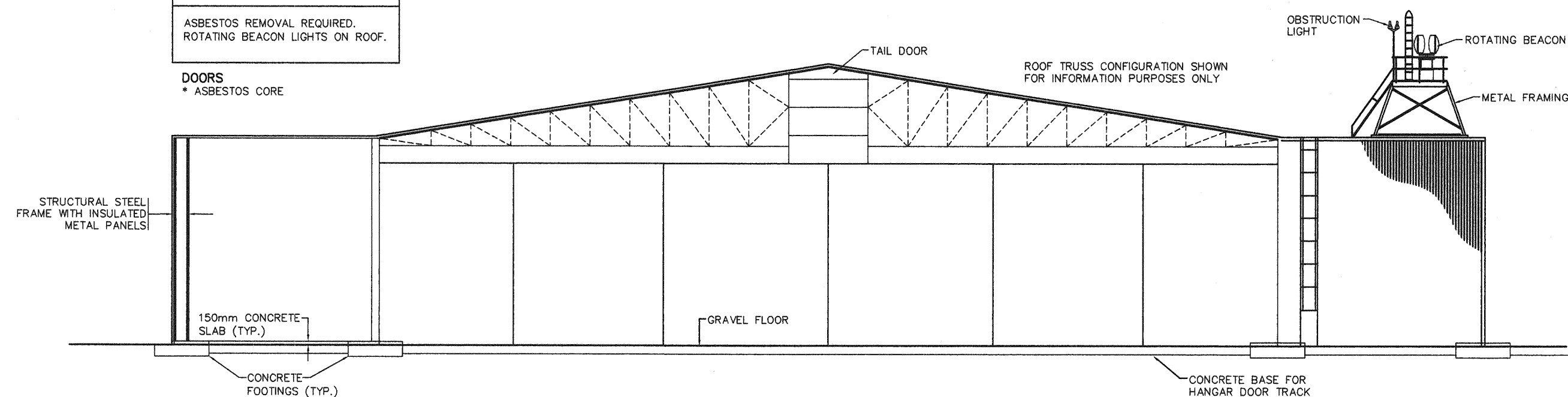


57 600

PLAN

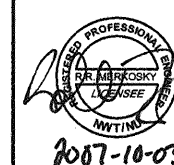
COMMENTS
ASBESTOS REMOVAL REQUIRED. ROTATING BEACON LIGHTS ON ROOF.

DOORS
* ASBESTOS CORE



FRONT ELEVATION

No.	DATE	REVISION	REVISION	APPR.
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OF THE NORTHWEST TERRITORIES
PERMIT NUMBER
P 007
UMA ENGINEERING
LTD.

2007-10-03

UMA | AECOM

HATCH

SCALE - ECHELLE 2 1 0 2 4 6m

PROJECT - PROJET
FOX-2 LONGSTAFF BLUFF

DEW LINE CLEAN UP

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MINISTER OF NATIONAL DEFENCE.

TRADE - METIER STRUCTURAL DATE 2007-10-02

SUBJECT - SUJET

HANGAR
PLAN AND ELEVATION

DESIGNED ETUDIE	DRAWN DESSINE	CHECKED VERIFIE	COORDINATION	PRODUCTION	CONCURRENCE - ASSENTIMENT
GRH	CG	RRM	SMS		
					DES OFF AGENT CONCEPT
					SECT HD CHEF SECT
					DES MGR GEST CONCEPT
					REVIEWED - REVU

DWG. NO. - DESSIN NO.
H-L133/1-9101-208

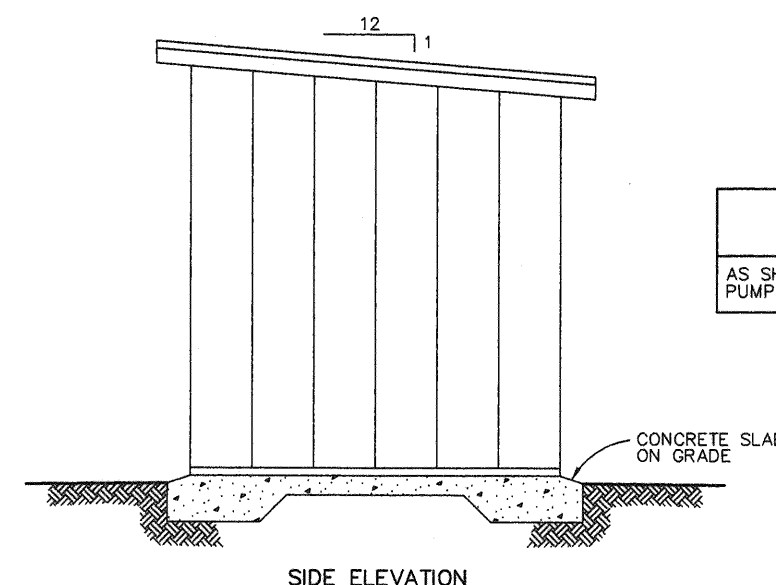
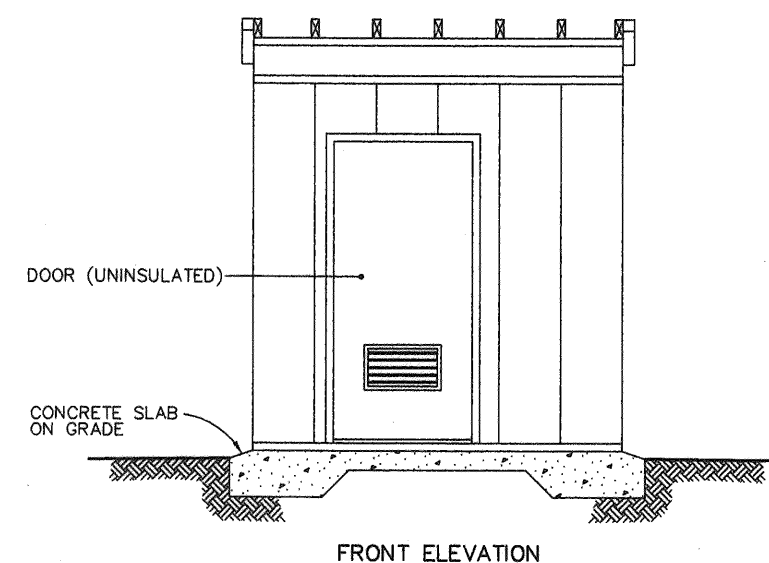
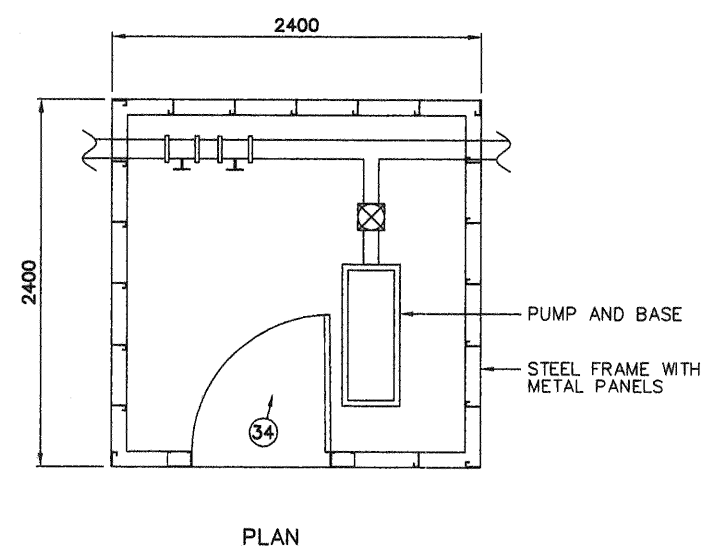
Canada

General Notes:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. REFER TO DEMOLITION TABLES IN SPECIFICATIONS FOR LIST OF MAJOR BUILDING CONTENTS.
3. FACILITIES TO BE DEMOLISHED MAY CONTAIN PCB AND LEAD CONTAMINATED PAINT. REFER TO SECTION 02060 OF THE SPECIFICATIONS.

Legend:

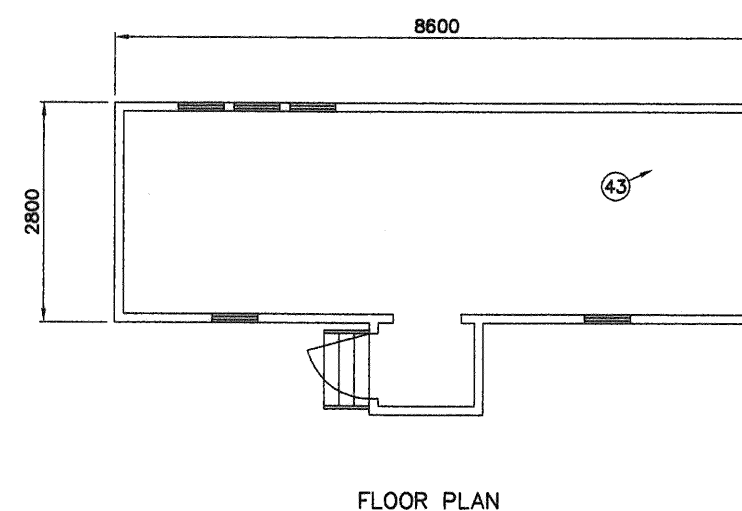
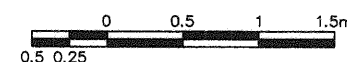
-  PHOTOGRAPHIC VIEWPOINT



COMMENTS

AS SHOWN.
PUMP, PUMP BASE AND PIPING INSIDE.

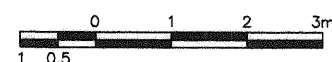
POL PUMPHOUSE





COMMENTS

AS SHOWN.
METAL CLADDING, WASHROOM FACILITIES

AIR TERMINAL BUILDING



No.	DATE	REVISION	REVISION	APPROV.
<div></div>		<div><div>THE ASSOCIATION OF PROFESSIONAL ENGINEERS, GEOLOGISTS AND GEOPHYSICISTS OF THE NORTHWEST TERRITORIES</div><div>PERMIT NUMBER P 007 UMA ENGINEERING LTD.</div></div>		
UMA		AECOM		
SCALE - ECHELLE		AS SHOWN		
PROJECT - PROJET		FOX-2 LONGSTAFF BLUFF		
DEW LINE CLEAN UP				
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TRADE - METIER		STRUCTURAL		DATE 2007-10-02
SUBJECT - SUJET POL PUMPHOUSE AND AIR TERMINAL BUILDING PLANS AND ELEVATIONS				
PRODUCTION		CONCURRENCE - ASSENTIMENT		
DESIGNED ETUDIE	ORR	DES OFF AGENT CONCEPT		
DRAWN DESSINE	CG	SECT HD CHEF SECT		
CHECKED VERIFIE	RRR	DES MGR GEST CONCEPT		
COORDINATION	SMS	REVIEWED - REVU		
DWG. NO. - DESSIN NO. H-1133/1-9101-209				

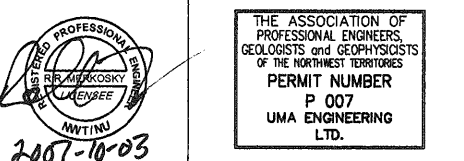
General Notes:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. REFER TO DEMOLITION TABLES IN SPECIFICATIONS FOR LIST OF MAJOR BUILDING CONTENTS.
3. FACILITIES TO BE DEMOLISHED MAY CONTAIN PCB AND LEAD CONTAMINATED PAINT. REFER TO SECTION 02060 OF THE SPECIFICATIONS.

Legend:

- 8 PHOTOGRAPHIC VIEWPOINT

No.	DATE	REVISION	REVISION	APPR.
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UMA AECOM HATCH

SCALE - ECHELLE 2 1 0 2 4 6m

PROJECT - PROJET
FOX-2 LONGSTAFF BLUFF

DEW LINE CLEAN UP
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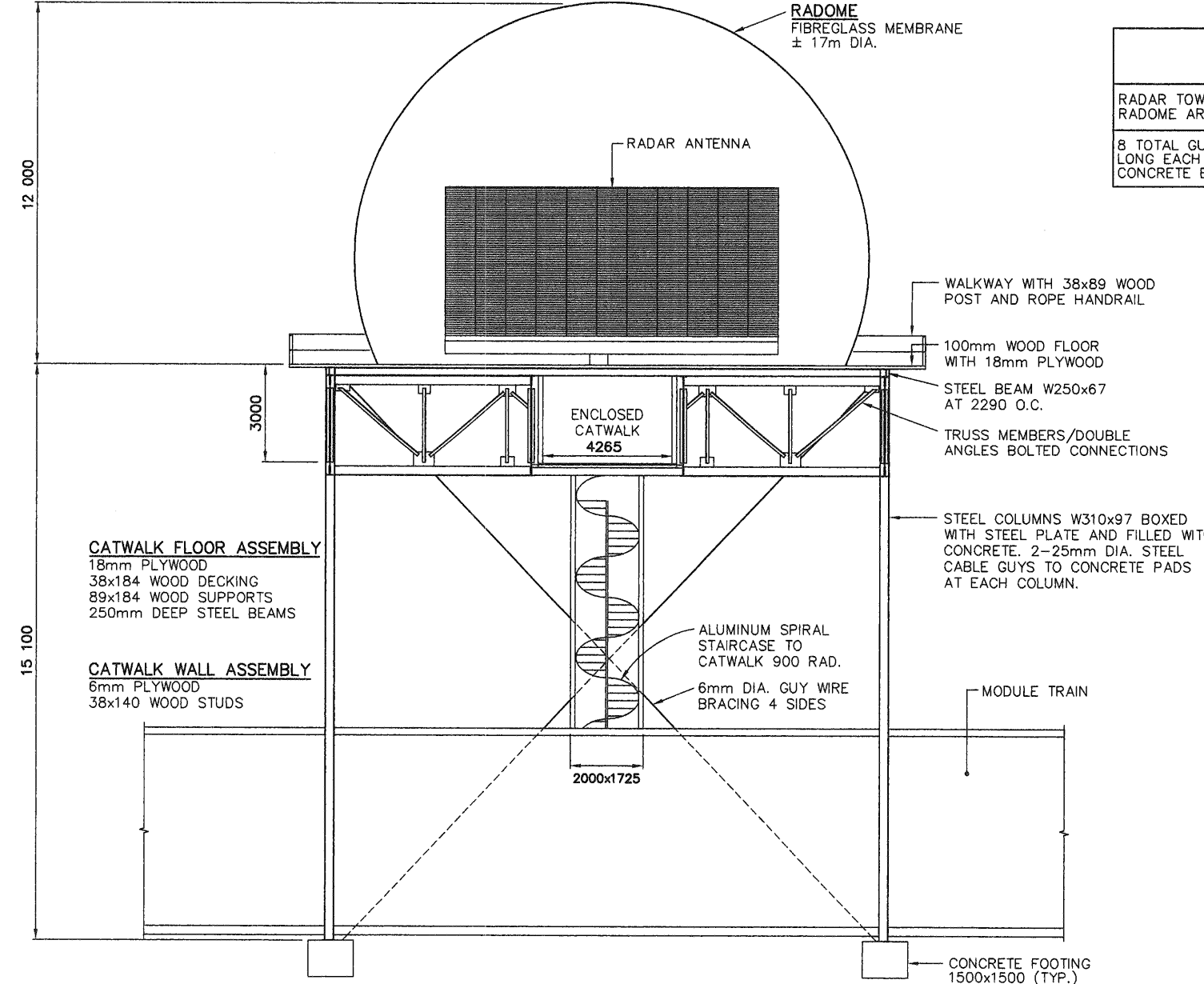
TRADE - METIER
STRUCTURAL
DATE
2007-10-02

SUBJECT - SUJET
RADAR TOWER / RADOME
PLAN AND SECTION

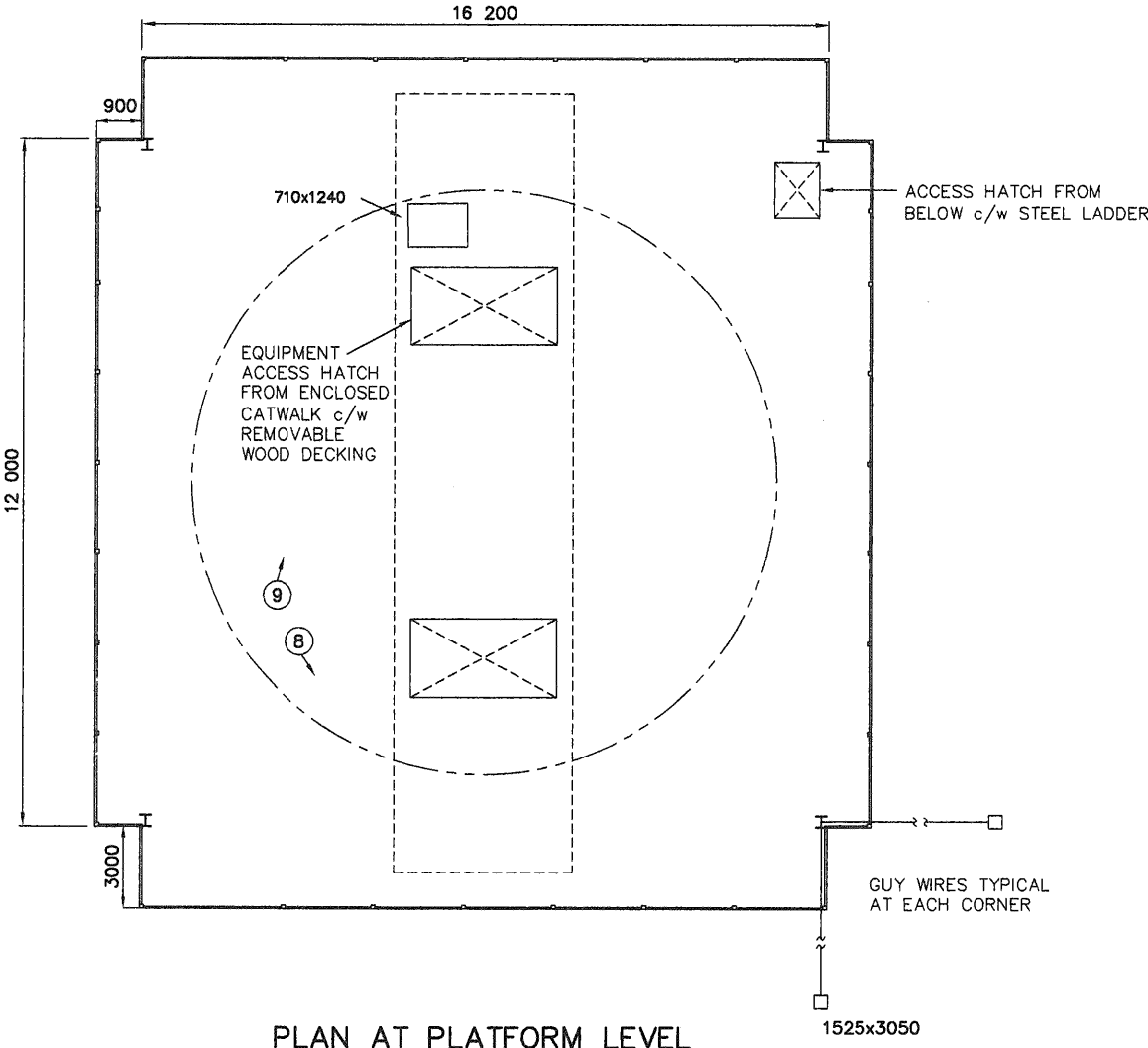
PRODUCTION	CONCURRENCE - ASSENTIMENT
DESIGNED ETUDIE GRA	DES OFF AGENT CONCEPT
DRAWN DESSINE CG	SECT HD CHEF SECT
CHECKED VERIFIE RRM	DES MGR GEST CONCEPT
COORDINATION SMS	REVIEWED - REVU

DWG. NO. - DESSIN NO.
H-L133/1-9101-210

Canada





COMMENTS
RADAR TOWER, RADAR ANTENNA AND RADOME ARE ALL AS SHOWN.
8 TOTAL GUY WIRES APPROX. 15.5m LONG EACH COMPLETE WITH 1525x3050 CONCRETE BLOCK



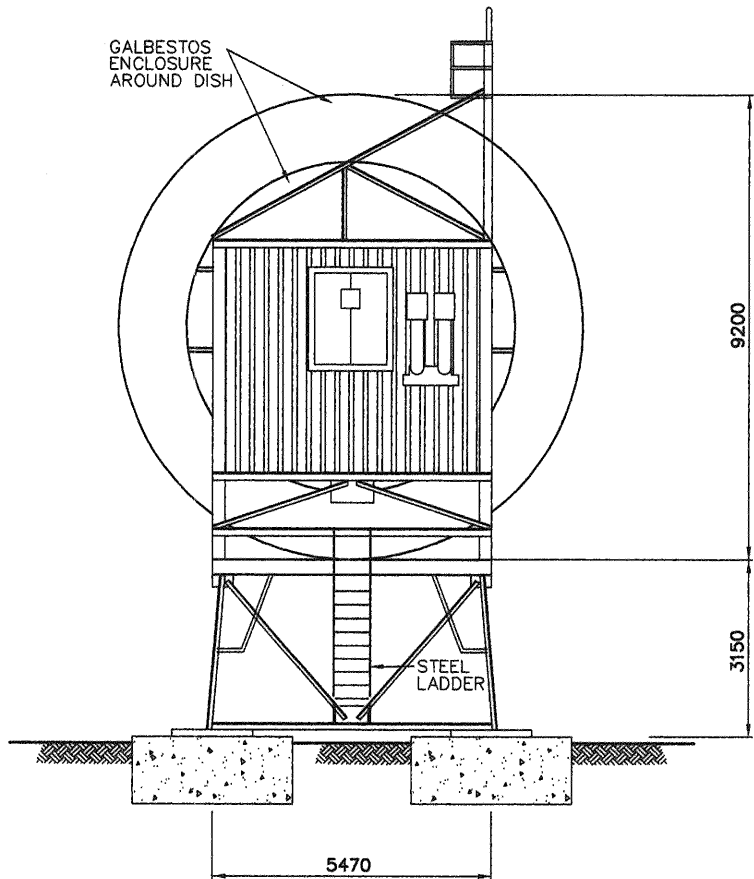
- General Notes:
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
 2. REFER TO DEMOLITION TABLES IN SPECIFICATIONS FOR LIST OF MAJOR BUILDING CONTENTS.
 3. FACILITIES TO BE DEMOLISHED MAY CONTAIN PCB AND LEAD CONTAMINATED PAINT. REFER TO SECTION 02060 OF THE SPECIFICATIONS.

Legend:

No.	DATE	REVISION	REVISION	APPR.
		<div>THE ASSOCIATION OF PROFESSIONAL ENGINEERS, GEOLOGISTS and GEOPHYSICISTS of the NORTHWEST TERRITORIES</div> <div>PERMIT NUMBER P 007 UMA ENGINEERING LTD.</div>		
UMA		AECOM		
SCALE = ECHELLE		AS SHOWN		
PROJECT = PROJET		FOX-2 LONGSTAFF BLUFF		
DEW LINE CLEAN UP				
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TRADE = METIER		STRUCTURAL		DATE 2007-10-02
SUBJECT = SUJET				
COMMUNICATION DISH ELEVATIONS				
PRODUCTION		CONCURRENCE - ASSENTIMENT		
DESIGNED ETUDIE GRH		DES OFF AGENT CONCEPT		
DRAWN DESSINE CC		SECT HD CHEF SECT		
CHECKED VERIFIE RRM		DES MGR GEST CONCEPT		
COORDINATION SMS		REVIEWED - REVU		
DWG. NO. = DESSIN NO. H-L133/1-9101-211				

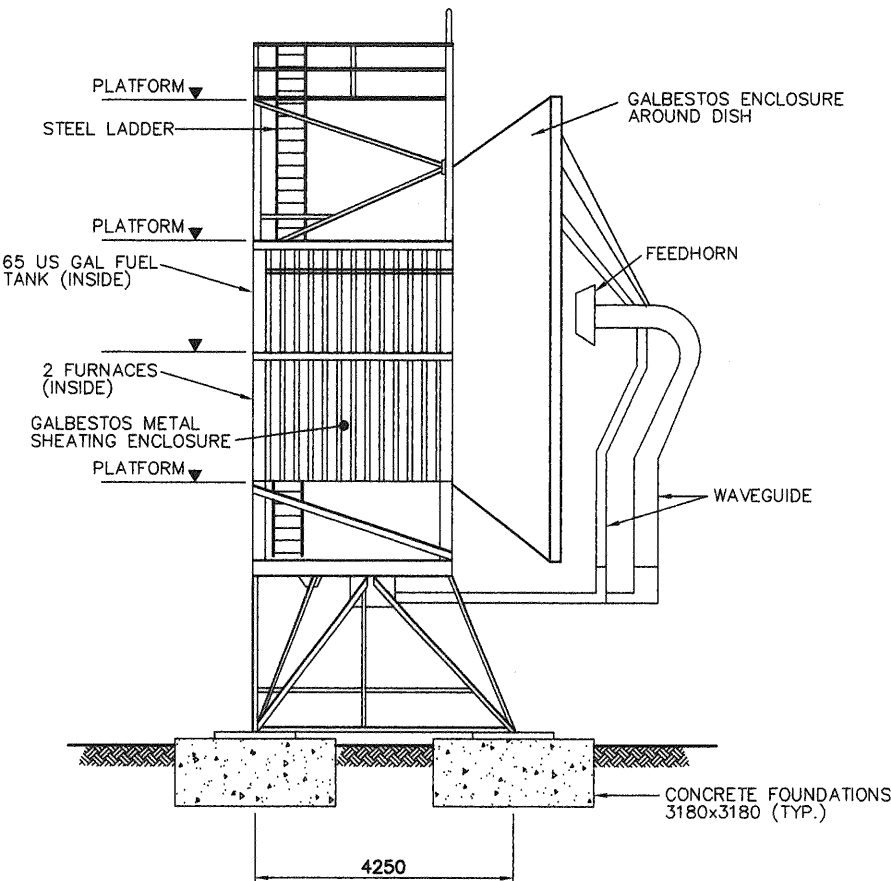
COMMENTS

AS SHOWN
ENCLOSURE CONTAINS FURNACE
AND FUEL DAY TANK
SIDING ON ENCLOSURE IS GALBESTOS



REAR ELEVATION

N.T.S.




SIDE ELEVATION

N.T.S.

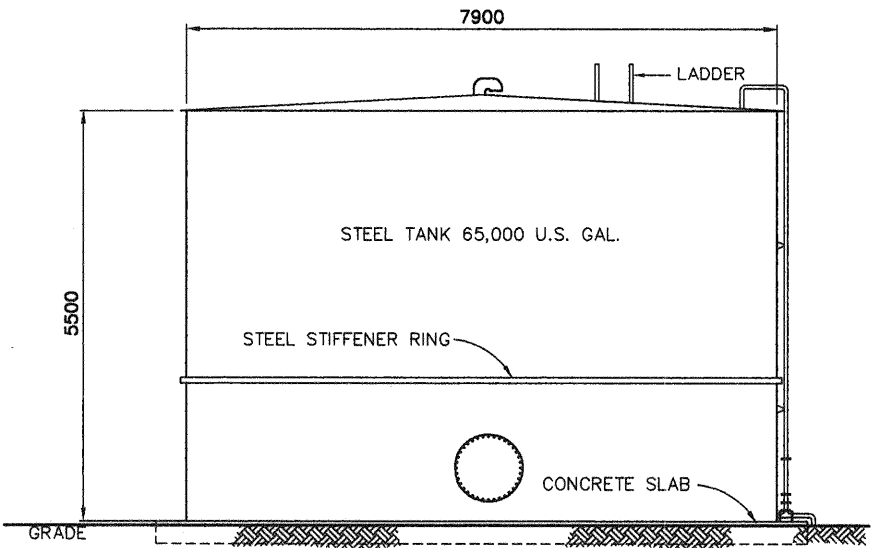
General Notes:

1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. REFER TO DEMOLITION TABLES IN SPECIFICATIONS FOR LIST OF MAJOR BUILDING CONTENTS.
3. FACILITIES TO BE DEMOLISHED MAY CONTAIN PCB AND LEAD CONTAMINATED PAINT. REFER TO SECTION 02060 OF THE SPECIFICATIONS.

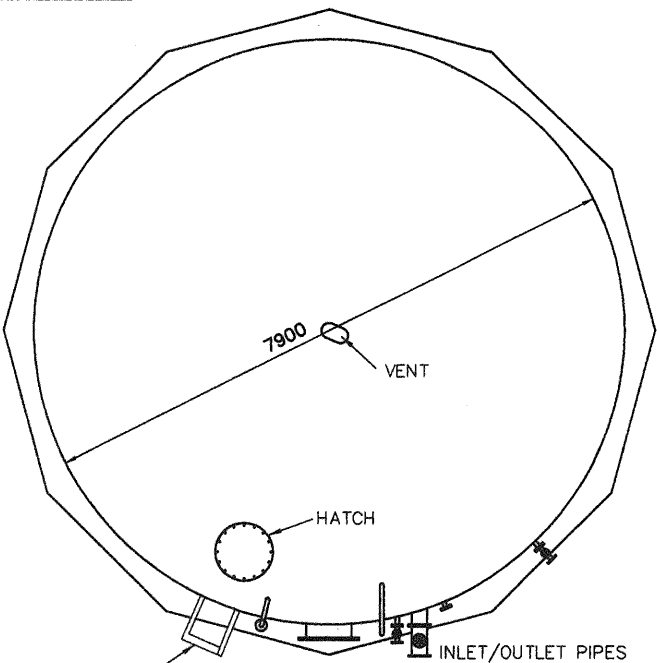
Legend:

No.	DATE	REVISION	REVISION	APPR.
		<div>THE ASSOCIATION OF PROFESSIONAL ENGINEERS, GEOLOGISTS AND GEOPHYSICISTS OF THE NORTHWEST TERRITORIES</div> <div>PERMIT NUMBER P 007 UMA ENGINEERING LTD.</div>		
UMA AECOM		HATCH		
SCALE - ECHELLE AS SHOWN				
PROJECT - PROJET FOX-2 LONGSTAFF BLUFF				
DEW LINE CLEAN UP				
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TRADE - METIER STRUCTURAL			DATE 2007-10-02	
SUBJECT - SUJET				
FUEL TANKS PLAN AND ELEVATIONS				
PRODUCTION		CONCURRENCE - ASSENTIMENT		
DESIGNED ETUDIE GRH		DES OFF AGENT CONCEPT		
DRAWN DESSINE CG		SECT HD CHEF SECT		
CHECKED VERIFIE RRM		DES MGR GEST CONCEPT		
COORDINATION SMS		REVIEWED - REVU		
DWG. NO. - DESSIN NO. H-L133/1-9101-212				

COMMENTS
65,000 US GALLON CAPACITY (DIESEL)
STEEL TANK.
D = 7900mm ; H = 5500mm



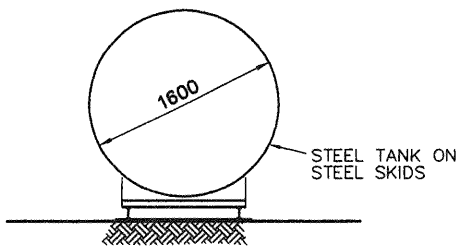
ELEVATION



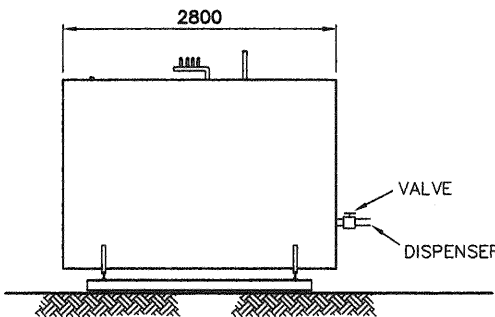
PLAN

65,000 GALLON DIESEL FUEL TANK

N.T.S.



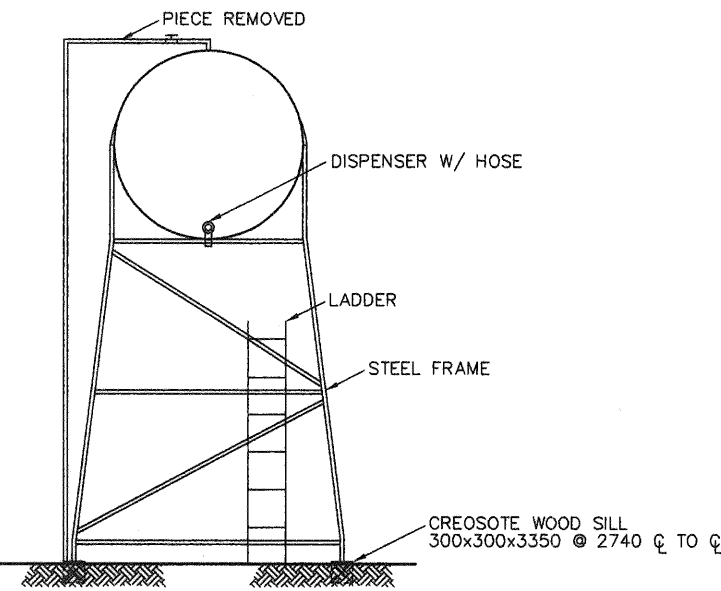
FRONT ELEVATION



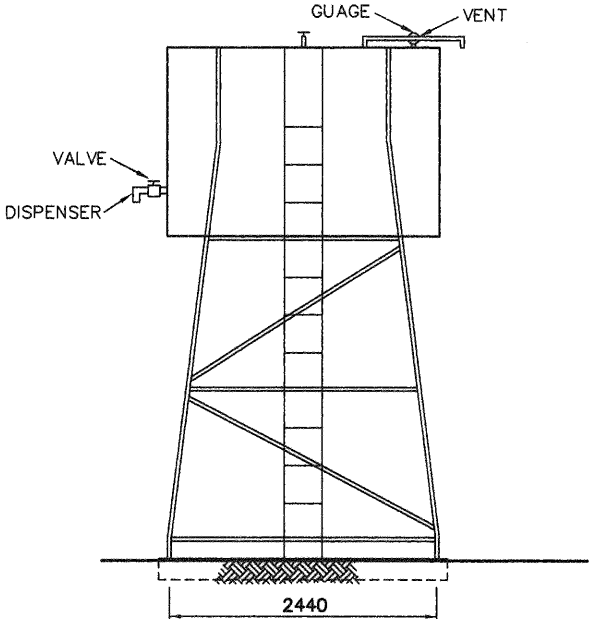
SIDE ELEVATION

1,500 GALLON TANK

N.T.S.



FRONT ELEVATION

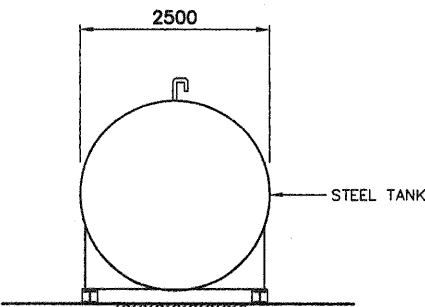


SIDE ELEVATION

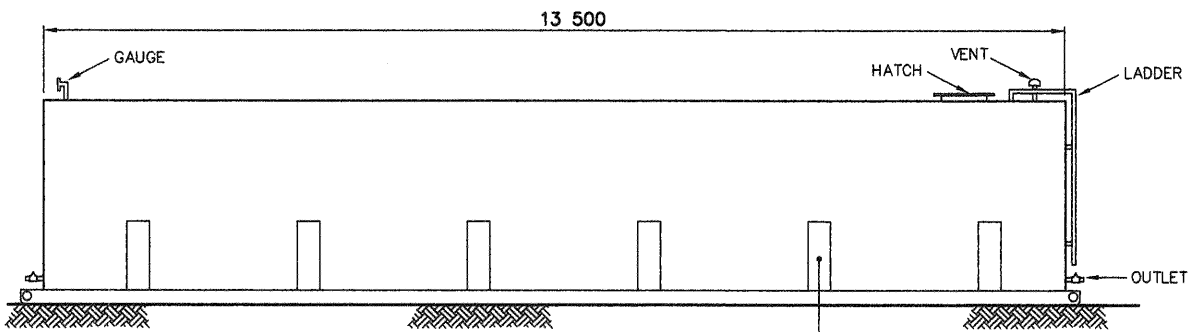
500 GALLON TANK

N.T.S.

COMMENTS
500 US GALLON CAPACITY (DIESEL)
CYLINDRICAL STEEL TANK.
D = 1200mm ; L = 1700mm



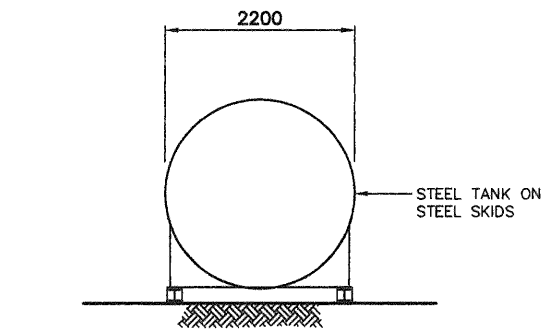
FRONT ELEVATION



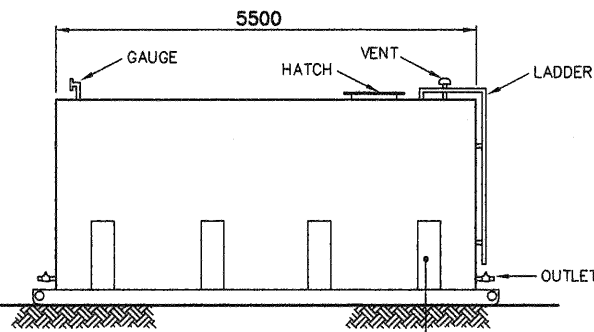
SIDE ELEVATION

18,300 GALLON FUEL TANK

N.T.S.



FRONT ELEVATION



SIDE ELEVATION

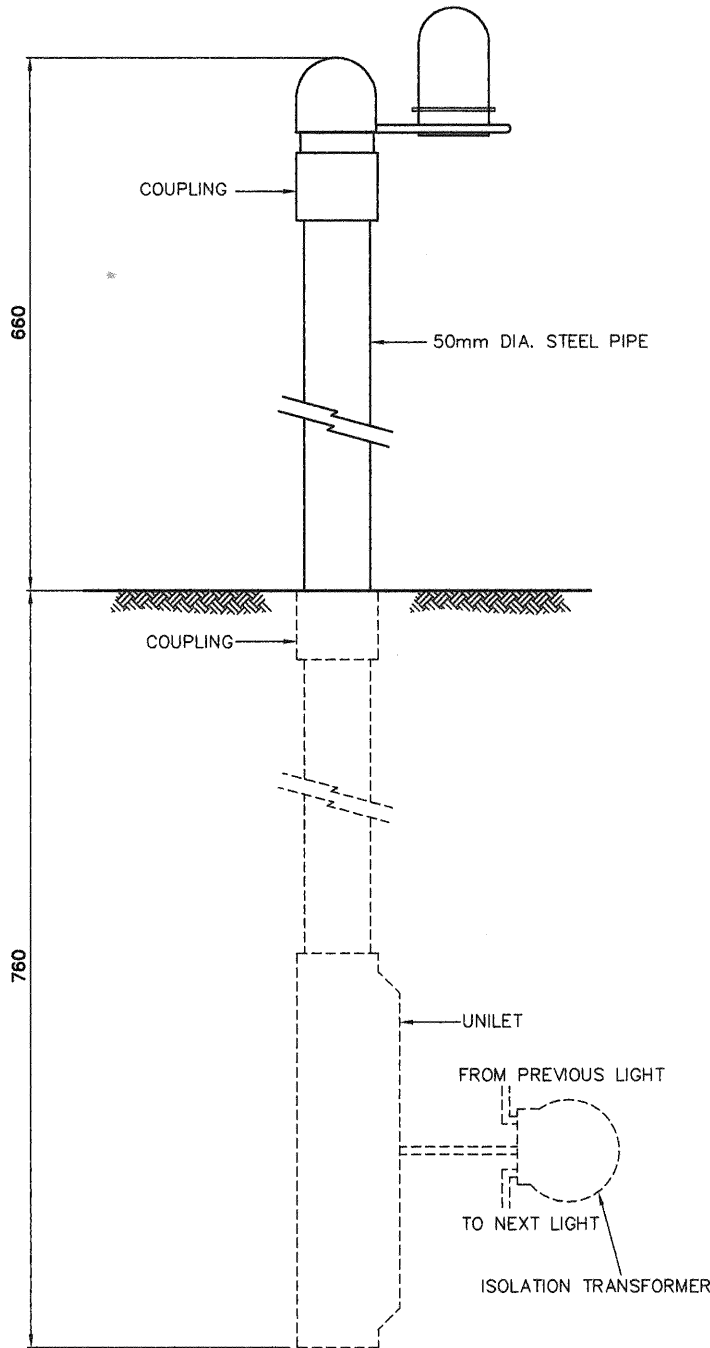
6,000 GALLON FUEL TANK

N.T.S.

General Notes:

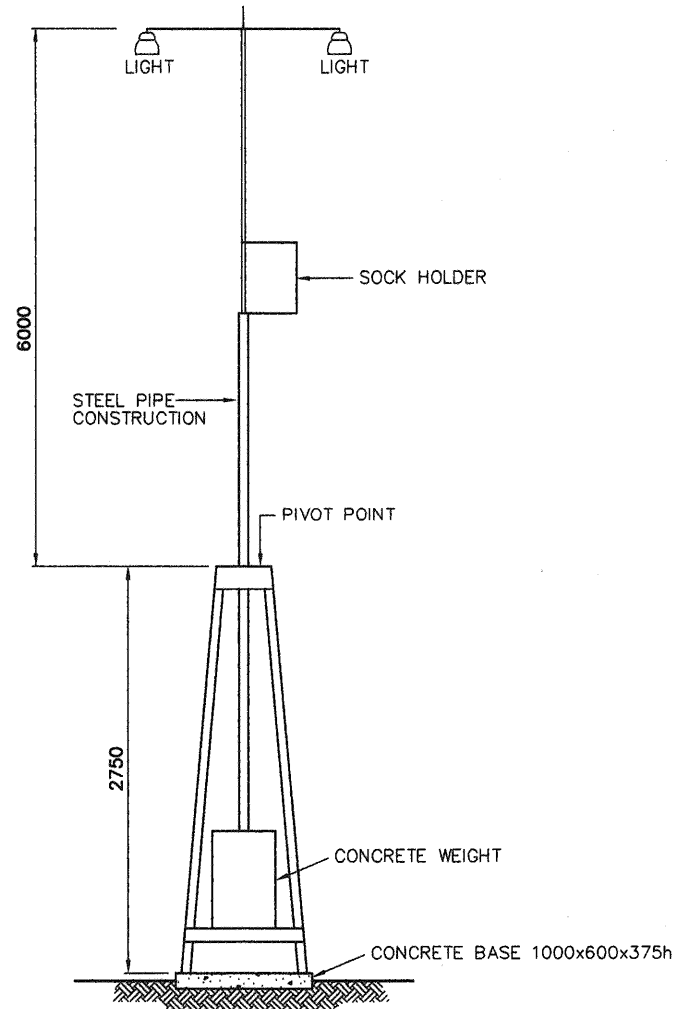
1. ALL DIMENSIONS ARE IN MILLIMETRES UNLESS NOTED OTHERWISE.
2. REFER TO DEMOLITION TABLES IN SPECIFICATIONS FOR LIST OF MAJOR BUILDING CONTENTS.
3. FACILITIES TO BE DEMOLISHED MAY CONTAIN PCB AND LEAD CONTAMINATED PAINT. REFER TO SECTION 02060 OF THE SPECIFICATIONS.

Legend:



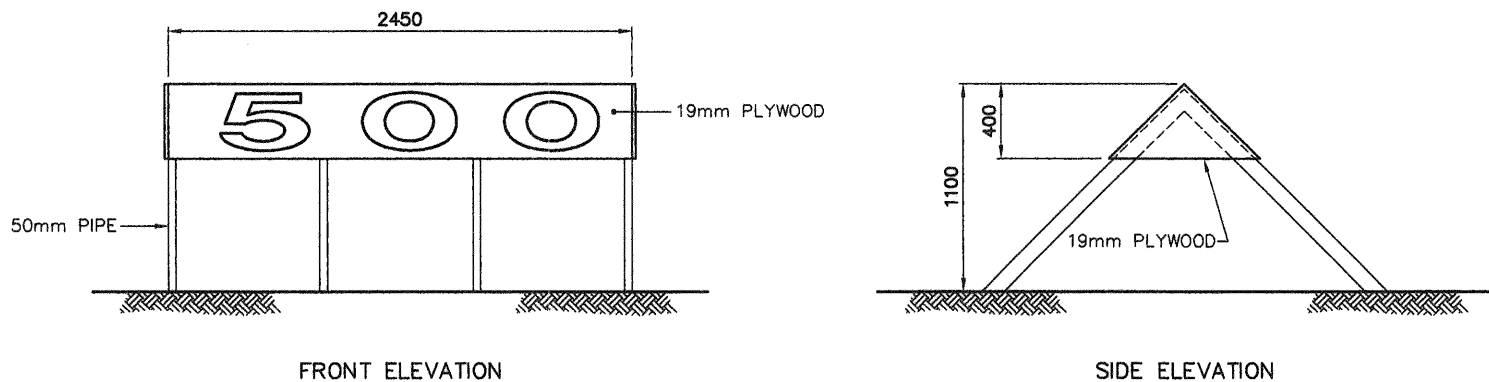
APRON, TAXIWAY, AIRSTRIP OR THRESHOLD LIGHT

N.T.S.



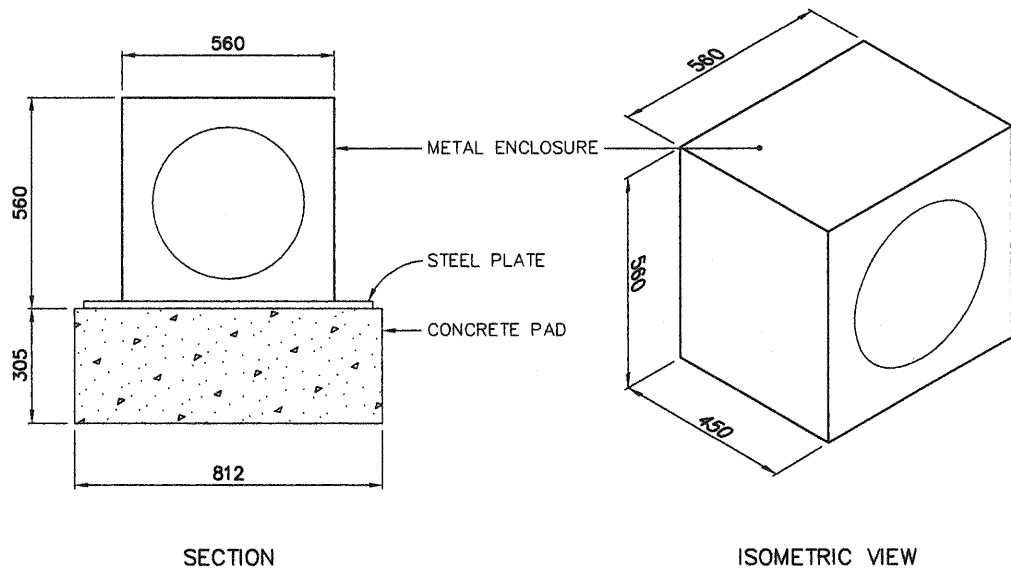
WINDSOCK

N.T.S.





DISTANCE TO GO OR RUNWAY THRESHOLD MARKERS

N.T.S.



STROBE BEACON LIGHT

N.T.S.

No.	DATE	REVISION	REVISION	APPR.
 2007-10-03		<div>THE ASSOCIATION OF PROFESSIONAL ENGINEERS, GEOLOGISTS AND GEOPHYSICISTS OF THE NORTHWEST TERRITORIES PERMIT NUMBER P 007 UMA ENGINEERING LTD.</div>		
UMA		AECOM		
SCALE = ECHELLE AS SHOWN				
PROJECT = PROJET FOX-2 LONGSTAFF BLUFF				
DEW LINE CLEAN UP				
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TRADE = METIER		STRUCTURAL		DATE 2007-10-02
SUBJECT = SUJET				
AIRSTRIP ANCILLARY FACILITIES STANDARD DETAILS				
PRODUCTION		CONCURRENCE – ASSENTIMENT		
DESIGNED ETUDIE	GRH	DES OFF AGENT CONCEPT		
DRAWN DESSINE	CO	SECT HD CHEF SECT		
CHECKED VERIFIE	RRM	DES MGR GEST CONCEPT		
COORDINATION SMS		REVIEWED – REVU		
DWG. NO. – DESSIN NO. H-L133/1-9101-213				