
APPENDIX 6:

BEAR ISLAND
SITE MAPS & DRAWINGS

Sheet Size: B1 (100mm x 70mm)
PLOT: Friday, October 03, 2008 2:20:08 PM
Saved by: Chas. Bily
UMA FILE NO.: 2077-365-00_00-B-0000_RX.DWG



Public Works and
Government Services
Canada

Travaux publics et
Services gouvernementaux
Canada



Indian and Northern
Affairs Canada

Affaires indiennes
et du Nord Canada

REAL PROPERTY SERVICES
Western Region

Canada

REMEDIATION PROJECT

NOT FOR
CONSTRUCTION

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421391 C02	OVERALL SITE PLAN
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421391 C04	AREA 2 BEACH AND POL AREAS
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BEAR ISLAND, NUNAVUT ISSUED FOR TENDER

SEPTEMBER 2008

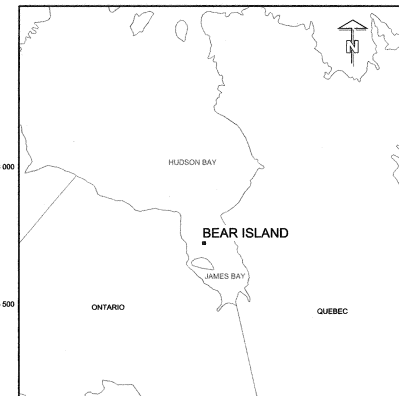
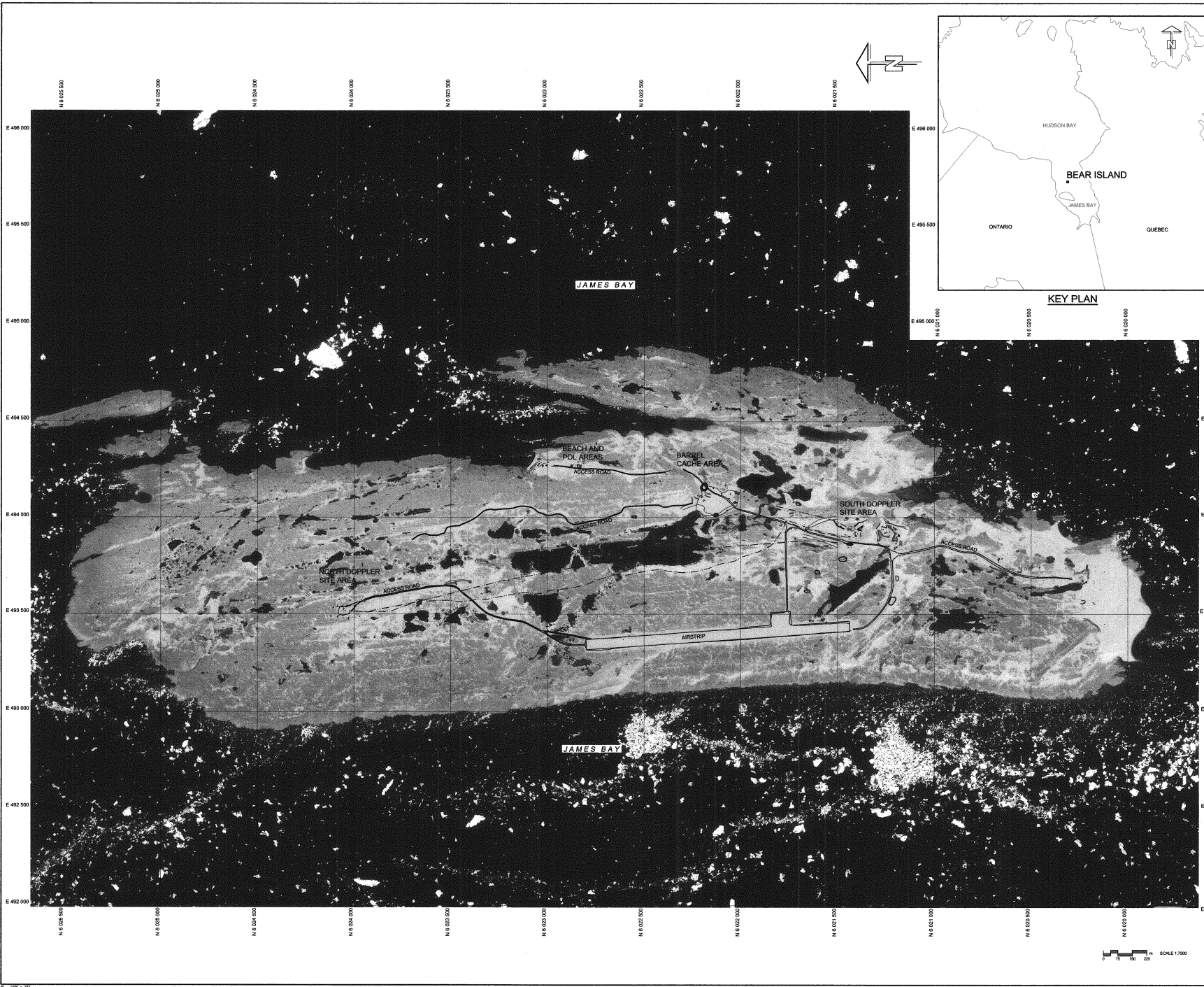
UMA | AECOM

Sheet Size: B1 (1000mm x 700mm)

PLOT: Friday, October 03, 2008 2:16:45 PM

Saved by: Chao, Billy

UMA FILE NO.: 2977-305-00_00-B-0001_RCLDWG



KEY PLAN

Public Works and
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Canada

Travaux publics et
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Canada

REAL PROPERTY SERVICES
Western Region

Client
Indian and Northern
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Canada
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Client

PRELIMINARY NOT FOR CONSTRUCTION

- GENERAL NOTES:
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 2. SITE PLANS AND TOPOGRAPHIC INFORMATION ARE BASED ON AIR PHOTOS AND SURVEY PROVIDED BY EARTH TECH AND IMAC. CURRENT CONDITIONS MAY NOT BE EXACTLY AS SHOWN.

THE ASSOCIATION OF
PROFESSIONAL ENGINEERS,
GEOSCIENTISTS AND TECHNOLOGISTS
OF THE NORTHERN TERRITORIES
PERMIT NUMBER
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C	ISSUED FOR TENDER	06/10/08
B	ISSUED FOR BEE REVIEW	06/07/08
A	ISSUED FOR BEE REVIEW	06/04/08

REVISION	DESCRIPTION	DATE
A	A detail number	
B	B source drawing no.	
C	C detail on drawing no.	

project title
**BEAR ISLAND
REMEDIATION PROJECT**

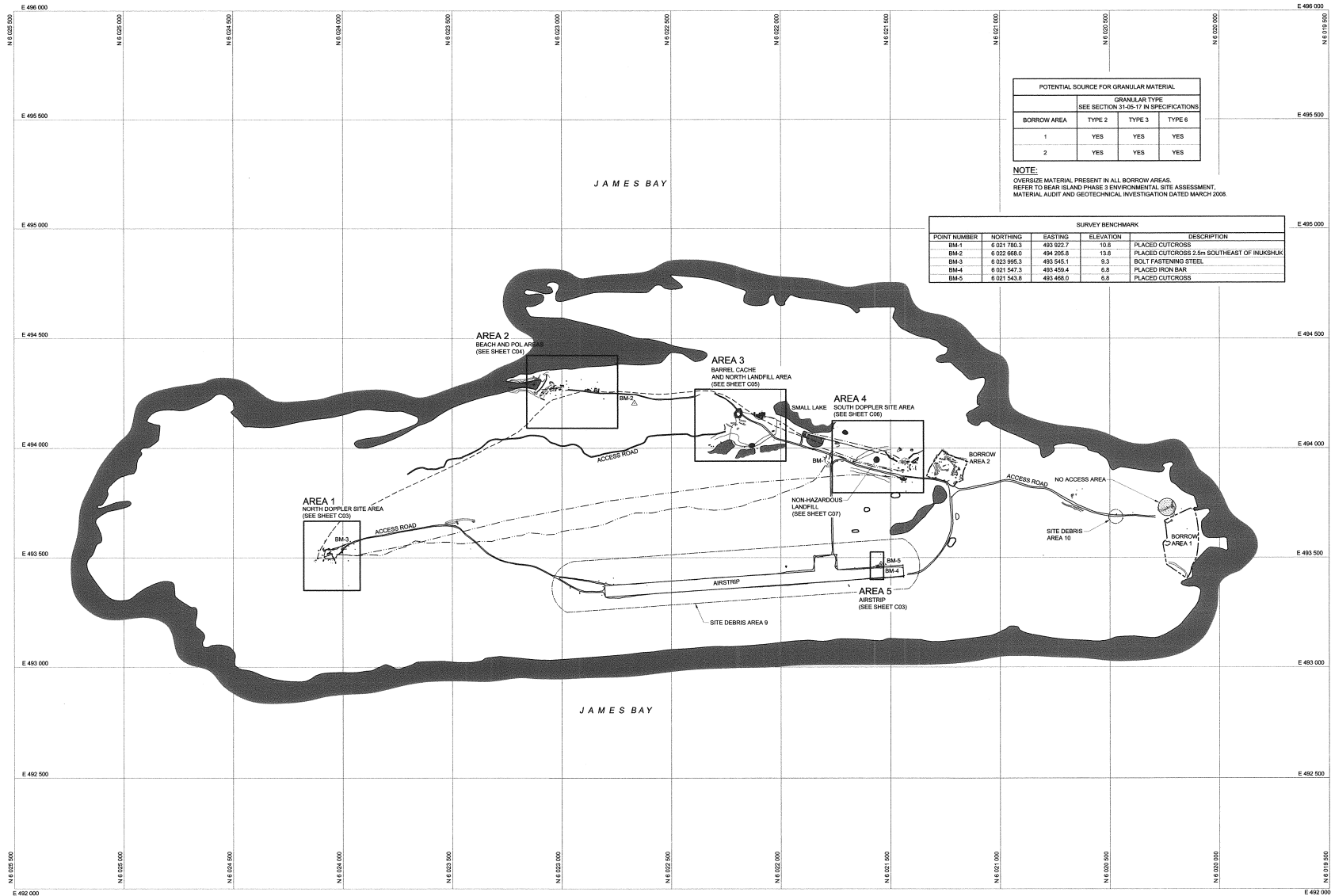
SITE LOCATION PLAN

designed by	T. SHPETER	checked by	
drawn by	B. CHAO	described by	
approved by	B. EDDYMAN	approved by	
PMSC Project Manager	L. DYER	Administrateur de Projets PMSC	
scale	1:7500	scale	
project no.	421391	project no.	
date	SEPTEMBER, 2008	date	

C01

SEP 08

421391-C01



POTENTIAL SOURCE FOR GRANULAR MATERIAL			
BORROW AREA	GRANULAR TYPE (SEE SECTION 31-05-17 IN SPECIFICATIONS)		
	TYPE 2	TYPE 3	TYPE 6
1	YES	YES	YES
2	YES	YES	YES

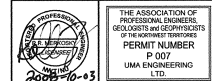
NOTE:
OVERSIZE MATERIAL PRESENT IN ALL BORROW AREAS.
REFER TO BEAR ISLAND PHASE 3 ENVIRONMENTAL SITE ASSESSMENT.
MATERIAL AUDIT AND GEOTECHNICAL INVESTIGATION DATED MARCH 2006.

SURVEY BENCHMARK				
POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
BM-1	6 021 780.3	493 922.7	10.6	PLACED OUTCROSS
BM-2	6 022 988.0	494 205.6	13.6	PLACED OUTCROSS 2.5m SOUTHEAST OF INUKSHUK
BM-3	6 023 995.3	493 345.1	9.3	BOLT FASTENING STEEL
BM-4	6 021 547.3	493 459.4	6.6	PLACED IRON BAR
BM-5	6 021 543.6	493 466.0	6.6	PLACED OUTCROSS

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 - ALL COORDINATES ARE SITE COORDINATES AND ALL ELEVATIONS ARE BASED ON SITE DATUM.
 - ACCESS ROADS REQUIRE REPAIRS OR UPGRADE PRIOR TO USE.
 - REFER TO TABLE 024123-1 IN APPENDIX B OF SPECIFICATIONS FOR DESCRIPTION OF DEBRIS AREA.
 - ALL NON-HAZARDOUS DEBRIS TO BE PLACED IN NON-HAZARDOUS WASTE LANDFILL.

- LEGEND:**
- BODY OF WATER
 - APPROXIMATE EXTENT OF BORROW AREAS
 - SURVEY BENCHMARK
 - NO ACCESS AREA
 - POL LINES
 - ELECTRIC CABLE
 - SITE DEBRIS AREAS



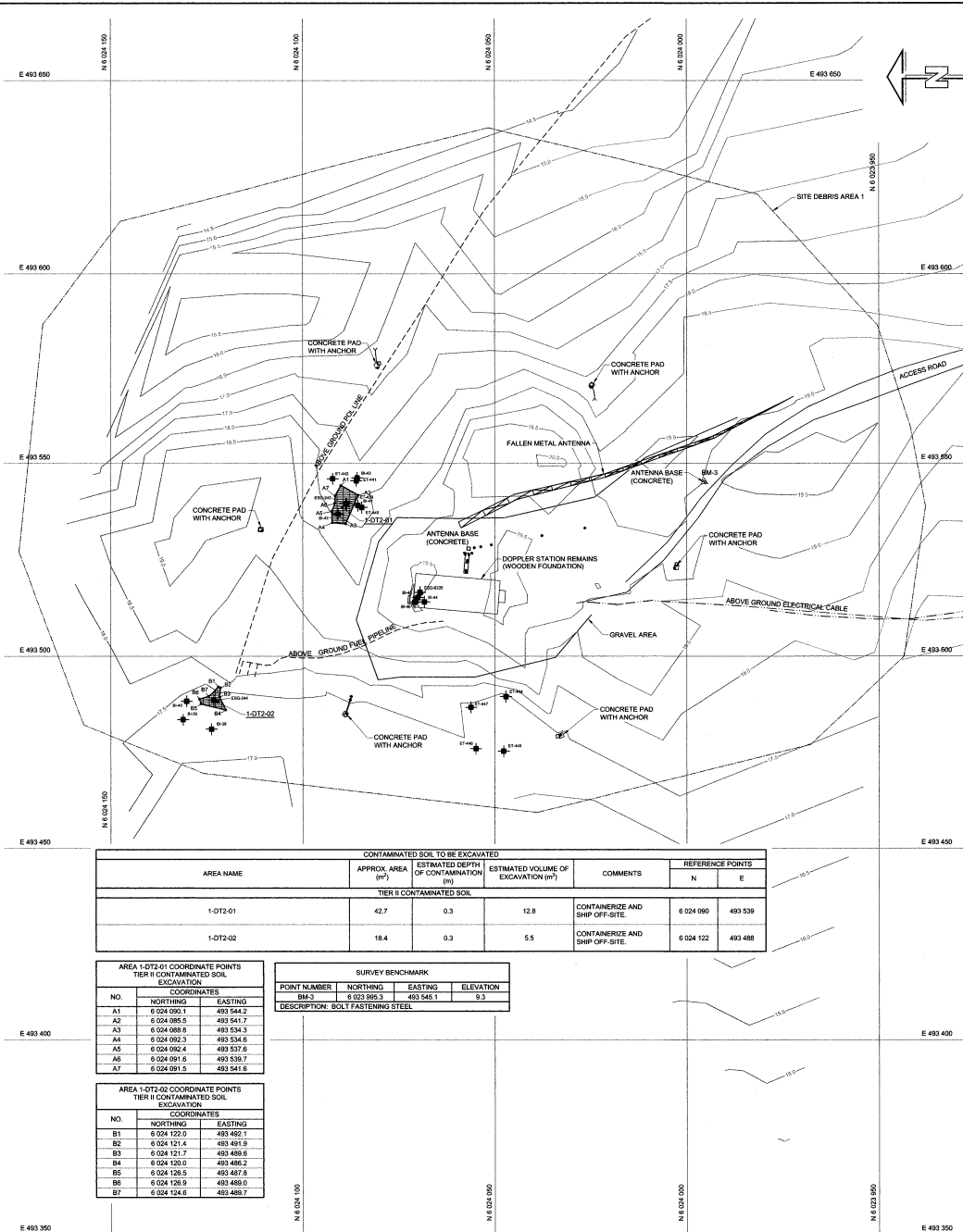
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REVISION	DESCRIPTION	DATE
C	ISSUED FOR TENDER	06/10/06
B	ISSUED FOR BIDDING	06/10/06
A	ISSUED FOR BIDDING	06/10/06

project title
**BEAR ISLAND
REMEDIATION PROJECT**

drawing title
OVERALL SITE PLAN

designed by T. ESPETER	checked by
drawn by B. CHAO	checked by
approved by S. PEDORAK	approved by
PMSC Project Manager L. DYER	Administrative de Projets PMSC
scale 1:7500	sheet C02
project no. 421391	print no. 02
date SEPTEMBER 2006	date



CONTAMINATED SOIL TO BE EXCAVATED						
AREA NAME	APPROX. AREA (m²)	ESTIMATED DEPTH OF CONTAMINATION (m)	ESTIMATED VOLUME OF EXCAVATION (m³)	COMMENTS	REFERENCE POINTS	
					N	E
TIER II CONTAMINATED SOIL						
1-DT2-01	42.7	0.3	12.8	CONTAINERIZE AND SHIP OFF-SITE.	6 024 080	493 539
1-DT2-02	18.4	0.3	5.5	CONTAINERIZE AND SHIP OFF-SITE.	6 024 122	493 488

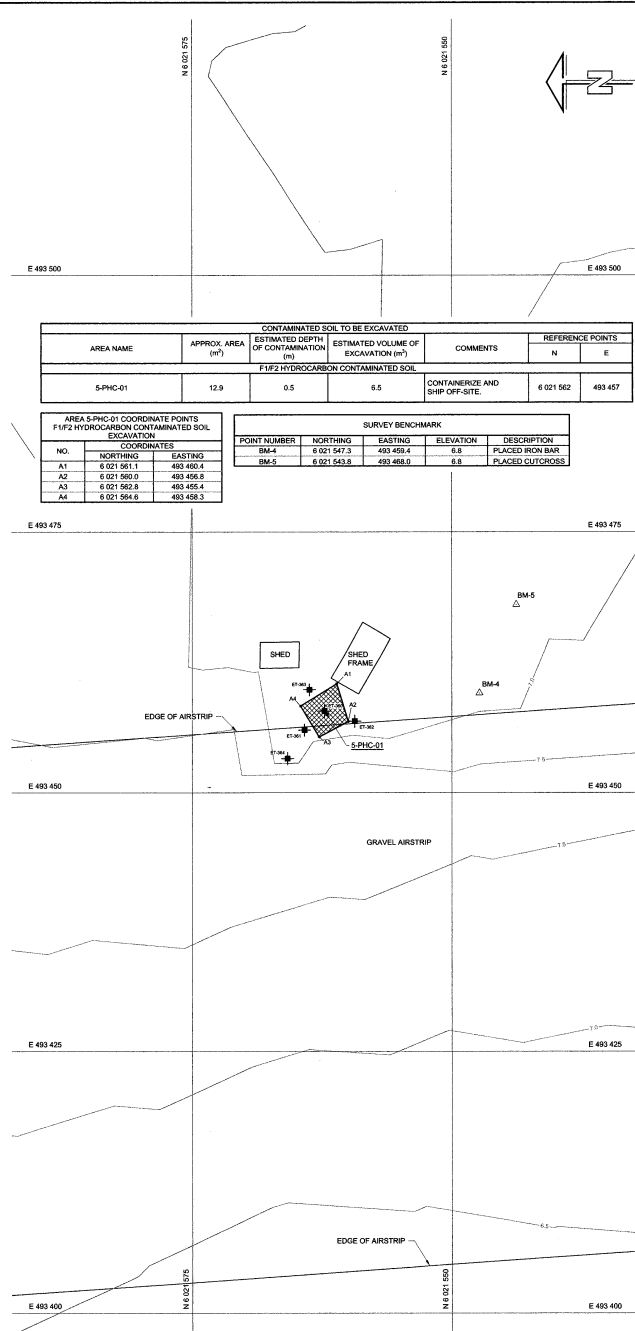
AREA 1-DT2-01 COORDINATE POINTS TIER II CONTAMINATED SOIL EXCAVATION		
COORDINATES		
NO.	NORTHING	EASTING
A1	6 024 090.1	493 544.2
A2	6 024 085.5	493 541.7
A3	6 024 088.9	493 534.3
A4	6 024 092.3	493 536.8
A5	6 024 092.4	493 537.6
A6	6 024 091.5	493 539.7
A7	6 024 091.5	493 541.6

SURVEY BENCHMARK			
POINT NUMBER	NORTHING	EASTING	ELEVATION
BM-3	6 023 985.3	493 545.1	9.3
DESCRIPTION: BOLT FASTENING STEEL			

AREA 1-DT2-02 COORDINATE POINTS TIER II CONTAMINATED SOIL EXCAVATION		
COORDINATES		
NO.	NORTHING	EASTING
B1	6 024 122.0	493 492.1
B2	6 024 121.4	493 491.9
B3	6 024 121.7	493 489.8
B4	6 024 120.0	493 486.2
B5	6 024 126.5	493 487.8
B6	6 024 126.9	493 489.0
B7	6 024 124.6	493 489.7

AREA 1 - NORTH DOPPLER SITE AREA

SCALE 1:500



AREA NAME	APPROX. AREA (m ²)	ESTIMATED DEPTH OF CONTAMINATION (m)	ESTIMATED VOLUME OF EXCAVATION (m ³)	COMMENTS	REFERENCE POINTS	
					N	E
S-PHC-01	12.9	0.5	6.5	CONTAINERIZE AND SHIP OFF-SITE.	6 021 562	493 457

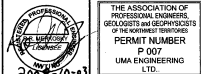
AREA 5-PHC-01 COORDINATE POINTS FIFTH HYDROCARBON CONTAMINATED SOIL EXCAVATION		
COORDINATES		
NO.	NORTHING	EASTING
A1	6 021 561.1	493 460.4
A2	6 021 560.0	493 456.5
A3	6 021 562.3	493 455.4
A4	6 021 564.6	493 458.3

SURVEY BENCHMARK				
POINT NUMBER	NORTHING	EASTING	ELEVATION	DESCRIPTION
BM-4	6 021 547.3	493 459.4	6.8	PLACED IRON BAR
BM-5	6 021 545.8	493 468.0	6.8	PLACED OUTCROSS

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 - CONTOURS SHOWN REPRESENT APPROXIMATE EXISTING GROUND AT INTERVAL OF 0.5m.

- LEGEND:
- TEST PIT LOCATION
 - COORDINATE POINT
 - SURVEY BENCHMARK
 - UTILITY POLE
 - TIER II CONTAMINATED SOIL
 - HYDROCARBON CONTAMINATED SOIL
 - POL LINES
 - ELECTRICAL CABLE
 - SITE DEBRIS AREA



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REVISION	DESCRIPTION	DATE
C	ISSUED FOR TENDER	06/10/08
B	ISSUED FOR BEE REVIEW	06/07/08
A	ISSUED FOR BEE REVIEW	06/06/08

Project title: BEAR ISLAND REMEDIATION PROJECT

Client: UMA

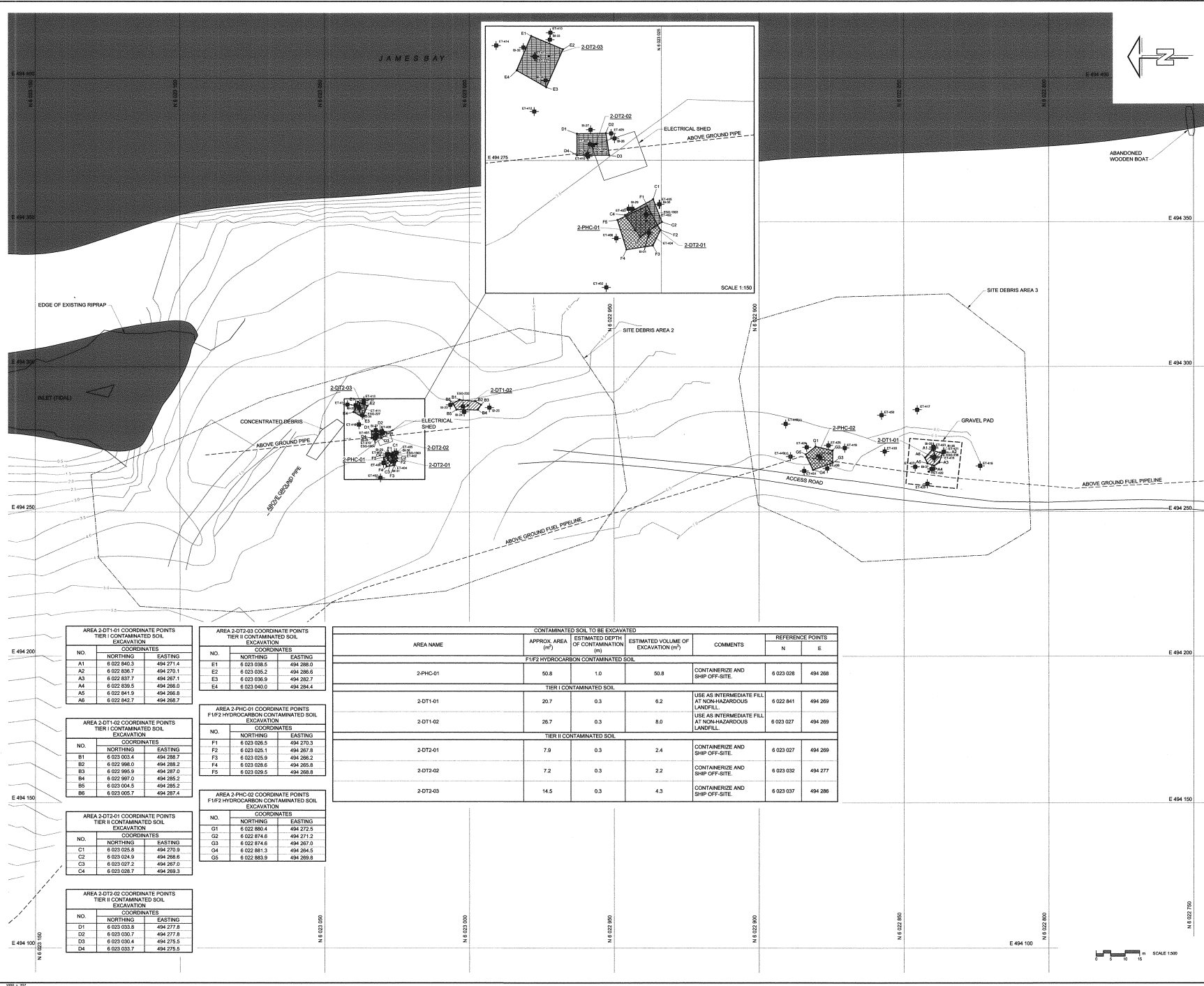
Areas 1 and 5
North Doppler Site Area
and Airstrip Area

Designed by:	T. SHAPIRO	Checked by:	
Drawn by:	B. CHAO	Designed by:	
Approved by:	P. FEDORAK	Approved by:	
Project Manager:	L. OYER	Administrative de Projets:	
Scale:	AS SHOWN	Scale:	
Project No.:	421391	Project No.:	
Date:	SEPTEMBER 2008	Date:	

C03

OP. 99

421391-C03



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LEGEND:

- TEST PIT LOCATION
- SURVEY BENCHMARK
- COORDINATE POINT
- TIER I CONTAMINATED SOIL
- TIER II CONTAMINATED SOIL
- HYDROCARBON CONTAMINATED SOIL
- POL LINES
- SITE DEBRIS AREA

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ISSUED FOR TENDER: 06/10/06

ISSUED FOR BIR REVIEW: 06/07/06

ISSUED FOR BIR REVIEW: 06/06/06

BEAR ISLAND REMEDIATION PROJECT

AREA 2 BEACH AND POL AREAS

DESIGNED BY: T. ESHPETER

DRAWN BY: B. CHAO

REVIEWED BY: B. FODORAK

PROJECT MANAGER: L. DYER

SCALE: 1:500

SCALE: 1:500

DATE: SEPTEMBER 2008

DATE: SEP 08

AREA 2-DT1-01 COORDINATE POINTS TIER I CONTAMINATED SOIL EXCAVATION		
NO.	NORTHING	EASTING
A1	6 022 840.3	494 271.4
A2	6 022 836.7	494 270.1
A3	6 022 837.7	494 267.1
A4	6 022 839.5	494 266.0
A5	6 022 841.9	494 266.8
A6	6 022 842.7	494 266.7

AREA 2-DT1-02 COORDINATE POINTS TIER I CONTAMINATED SOIL EXCAVATION		
NO.	NORTHING	EASTING
B1	6 023 003.4	494 289.7
B2	6 022 998.0	494 288.2
B3	6 022 996.9	494 287.2
B4	6 022 997.0	494 285.2
B5	6 023 004.5	494 285.2
B6	6 023 005.7	494 287.4

AREA 2-DT2-01 COORDINATE POINTS TIER I CONTAMINATED SOIL EXCAVATION		
NO.	NORTHING	EASTING
C1	6 023 035.8	494 277.8
C2	6 023 034.9	494 269.6
C3	6 023 027.2	494 267.0
C4	6 023 028.7	494 269.3

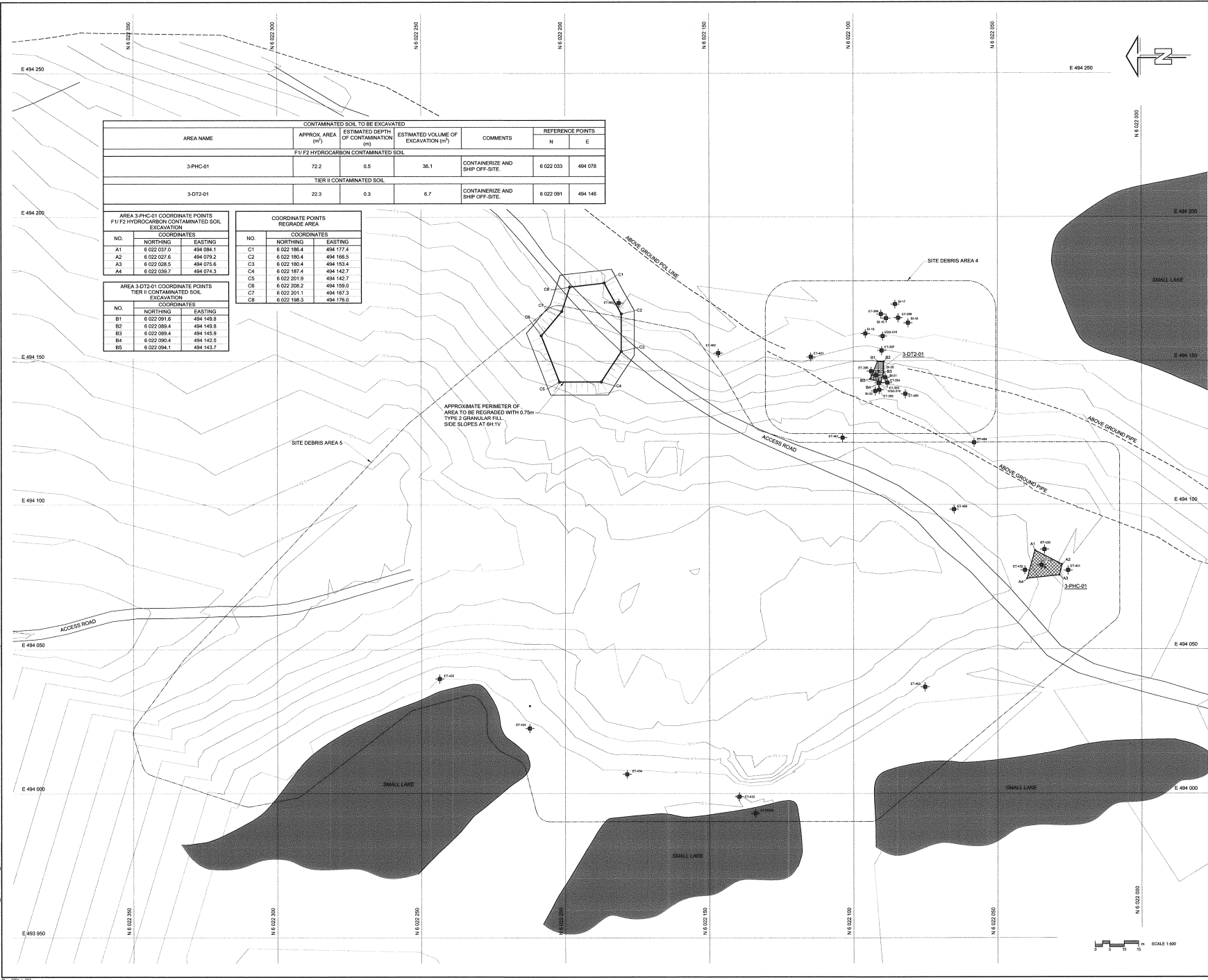
AREA 2-DT2-02 COORDINATE POINTS TIER I CONTAMINATED SOIL EXCAVATION		
NO.	NORTHING	EASTING
D1	6 023 035.8	494 277.8
D2	6 023 030.7	494 277.8
D3	6 023 030.4	494 275.5
D4	6 023 033.7	494 275.5

AREA 2-DT2-03 COORDINATE POINTS TIER I CONTAMINATED SOIL EXCAVATION		
NO.	NORTHING	EASTING
E1	6 023 038.5	494 288.0
E2	6 023 035.2	494 286.6
E3	6 023 038.9	494 282.7
E4	6 023 040.0	494 284.4

AREA 2-PHC-01 COORDINATE POINTS F1/F2 HYDROCARBON CONTAMINATED SOIL EXCAVATION		
NO.	NORTHING	EASTING
F1	6 023 026.5	494 270.3
F2	6 023 025.1	494 267.8
F3	6 023 025.9	494 265.2
F4	6 023 028.6	494 265.8
F5	6 023 029.5	494 268.8

AREA 2-PHC-02 COORDINATE POINTS F1/F2 HYDROCARBON CONTAMINATED SOIL EXCAVATION		
NO.	NORTHING	EASTING
G1	6 022 880.4	494 272.5
G2	6 022 874.6	494 271.2
G3	6 022 874.6	494 267.0
G4	6 022 881.3	494 264.5
G5	6 022 883.9	494 268.8

CONTAMINATED SOIL TO BE EXCAVATED					REFERENCE POINTS	
AREA NAME	APPROX. AREA (m ²)	ESTIMATED DEPTH OF CONTAMINATION (m)	ESTIMATED VOLUME OF EXCAVATION (m ³)	COMMENTS	N	E
F1/F2 HYDROCARBON CONTAMINATED SOIL						
2-PHC-01	50.8	1.0	50.8	CONTAINERIZE AND SHIP OFF-SITE.	6 023 028	494 268
TIER I CONTAMINATED SOIL						
2-DT1-01	20.7	0.3	6.2	USE AS INTERMEDIATE FILL AT NON-HAZARDOUS LANDFILL.	6 022 841	494 269
2-DT1-02	26.7	0.3	8.0	USE AS INTERMEDIATE FILL AT NON-HAZARDOUS LANDFILL.	6 023 027	494 269
TIER II CONTAMINATED SOIL						
2-DT2-01	7.9	0.3	2.4	CONTAINERIZE AND SHIP OFF-SITE.	6 023 027	494 269
2-DT2-02	7.2	0.3	2.2	CONTAINERIZE AND SHIP OFF-SITE.	6 023 032	494 277
2-DT2-03	14.5	0.3	4.3	CONTAINERIZE AND SHIP OFF-SITE.	6 023 037	494 286



AREA NAME	CONTAMINATED SOIL TO BE EXCAVATED			REFERENCE POINTS	
	APPROX. AREA (m²)	ESTIMATED DEPTH OF CONTAMINATION (m)	ESTIMATED VOLUME OF EXCAVATION (m³)	N	E
F1/F2 HYDROCARBON CONTAMINATED SOIL					
3-PHC-01	72.2	0.5	36.1	6 022 033	494 078
TIER II CONTAMINATED SOIL					
3-DT2-01	22.3	0.3	6.7	6 022 091	494 146

AREA 3-PHC-01 COORDINATE POINTS F1/F2 HYDROCARBON CONTAMINATED SOIL EXCAVATION		
NO.	NORTHING	EASTING
A1	6 022 037.0	494 084.1
A2	6 022 027.6	494 079.2
A3	6 022 028.5	494 075.6
A4	6 022 029.7	494 074.3

COORDINATE POINTS REGRADE AREA		
NO.	NORTHING	EASTING
C1	6 022 186.4	494 177.4
C2	6 022 180.4	494 166.5
C3	6 022 180.4	494 163.4
C4	6 022 187.4	494 142.7
C5	6 022 201.9	494 142.7
C6	6 022 208.2	494 159.0
C7	6 022 201.1	494 187.3
C8	6 022 186.3	494 178.6

AREA 3-DT2-01 COORDINATE POINTS TIER II CONTAMINATED SOIL EXCAVATION		
NO.	NORTHING	EASTING
B1	6 022 091.6	494 149.8
B2	6 022 089.4	494 149.8
B3	6 022 089.4	494 145.9
B4	6 022 090.4	494 142.5
B5	6 022 094.1	494 143.7

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REAL PROPERTY SERVICES
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 - REGRADED SIDES SLOPES 6H:1V MAXIMUM UNLESS NOTED OTHERWISE.

- LEGEND:**
- BODY OF WATER
 - TEST PIT LOCATION
 - UTILITY POLE
 - COORDINATE POINT
 - TIER II CONTAMINATED SOIL
 - HYDROCARBON CONTAMINATED SOIL
 - POL LINES
 - SITE DEBRIS AREA

PROFESSIONAL ENGINEER
GEOLOGIST AND GEOPHYSICIST
PERMIT NUMBER
P 007
UMA ENGINEERING LTD.

UMA AECOM

REVISION	DESCRIPTION	DATE
1	ISSUED FOR PER REVIEW	08/10/08
2	ISSUED FOR PER REVIEW	08/10/08
3	ISSUED FOR PER REVIEW	08/10/08

project title **BEAR ISLAND
REMEDATION PROJECT**

drawing title **AREA 3
BARREL CACHE
AND NORTH LANDFILL AREA**

designed by **T. ESPIETER** checked by **B. CHAD**

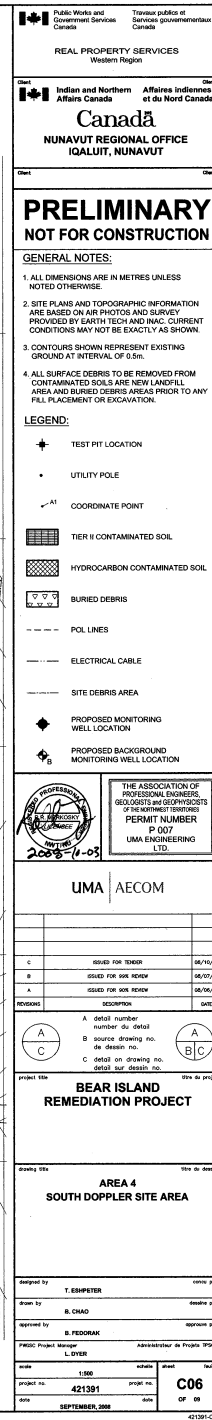
drawn by **B. CHAD** approved by **B. PEDORAK**

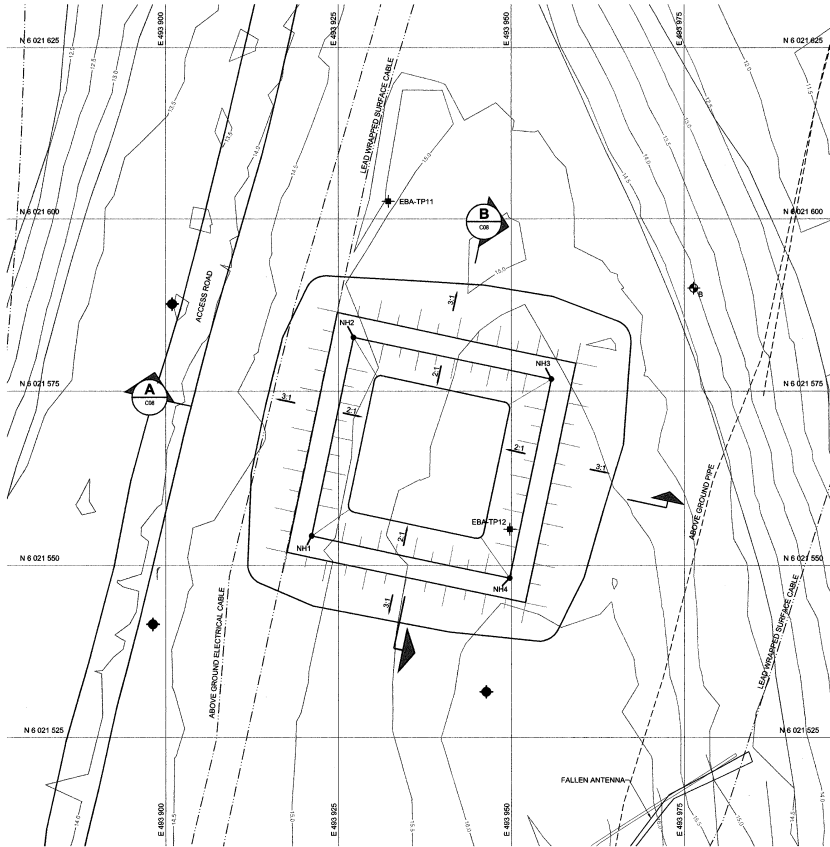
PROJECT Project Manager **L. DYER** Administrator de Projets **YFSC**

scale **1:500** sheet **C05**

date **SEPTEMBER, 2008** date **08**

SCALE 1:500

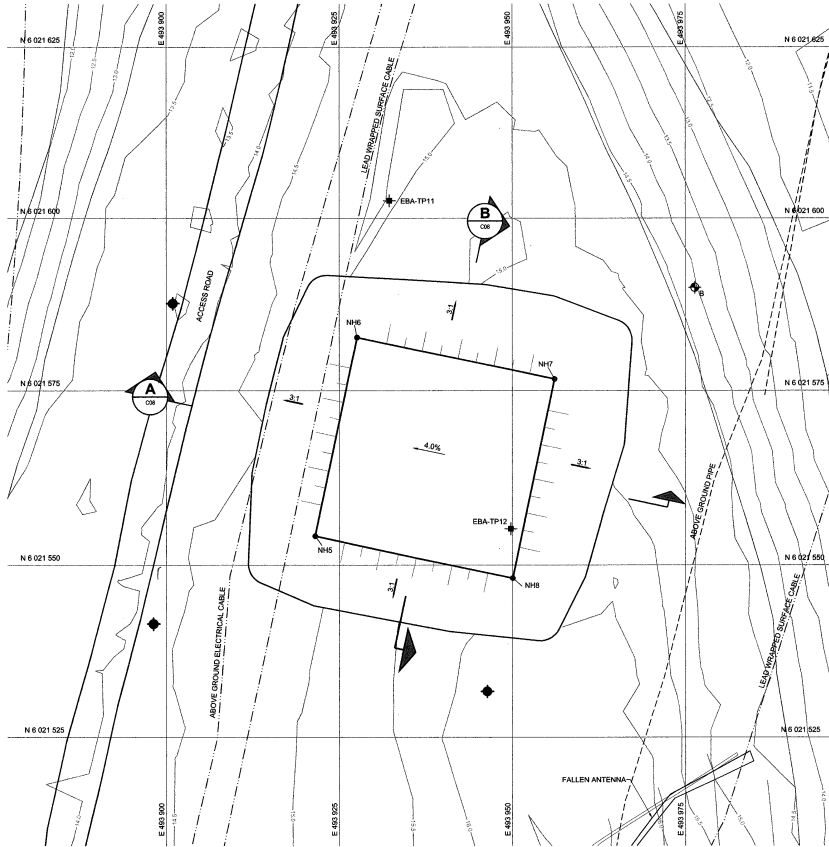




BERM PLAN

0 3 6 9 m SCALE 1:300

COORDINATE POINTS NON-HAZARDOUS WASTE LANDFILL BERM		
No.	NORTHING	EASTING
NH1	6 021 564.22	493 921.13
NH2	6 021 562.78	493 927.70
NH3	6 021 576.71	493 955.81
NH4	6 021 548.14	493 949.75



FINAL COVER PLAN

0 3 6 9 m SCALE 1:300

COORDINATE POINTS NON-HAZARDOUS WASTE LANDFILL SURFACE		
No.	NORTHING	EASTING
NH5	6 021 564.13	493 921.83
NH6	6 021 562.75	493 927.89
NH7	6 021 576.64	493 956.12
NH8	6 021 548.07	493 950.06

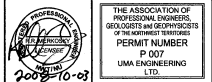
PRELIMINARY NOT FOR CONSTRUCTION

GENERAL NOTES:

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3. CONTOURS SHOWN REPRESENT EXISTING GROUND AT INTERVAL OF 0.5m.
4. ALL COORDINATES ARE SITE COORDINATES AND ALL ELEVATIONS ARE BASED ON DATUM.
5. FOR MONITORING WELL INSTALLATION DETAILS SEE SHEET C08. ALL LOCATIONS TO BE FIELD APPROVED BY THE DEPARTMENTAL REPRESENTATIVE.

LEGEND:

- NH1 COORDINATE POINT
- EBA-TP11 TEST PIT LOCATION
- POL LINES
- ELECTRICAL CABLE
- PROPOSED MONITORING WELL LOCATION
- PROPOSED BACKGROUND MONITORING WELL LOCATION



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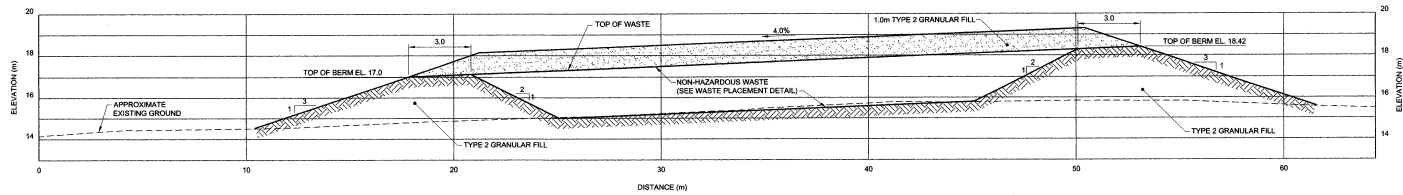
REVISION	DESCRIPTION	DATE
A	ISSUED FOR RIB REVIEW	06/07/06
B	ISSUED FOR RIB REVIEW	06/07/06
C	ISSUED FOR RIB REVIEW	06/07/06

A	detail number	A
C	number du detail	C
A	source drawing no.	A
C	de dessin no.	C
A	detail on drawing no.	A
C	de dessin sur dessin no.	C

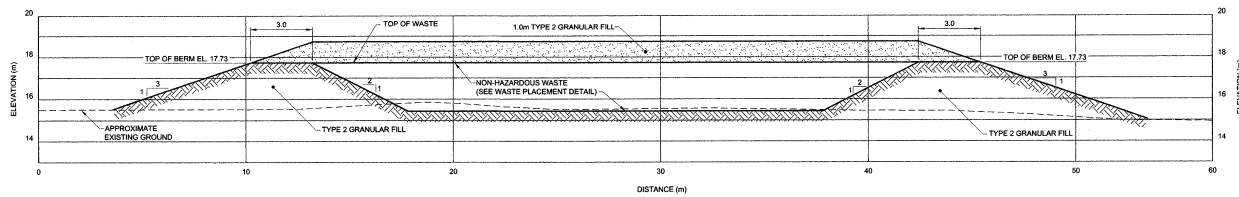
project title: **BEAR ISLAND
REMEDIATION PROJECT**

project title: **NON-HAZARDOUS WASTE LANDFILL
PLAN**

designed by:	T. ENHETER	checked by:	
drawn by:	B. CHAO	designed by:	
approved by:	B. FEDORAK	approved by:	
PMSC Project Manager:	L. WYER	Administrateur de Projet PMSC:	
scale:	1:300	scale:	
project no.:	421391	project no.:	C07
date:	SEPTEMBER 2006	date:	07 06

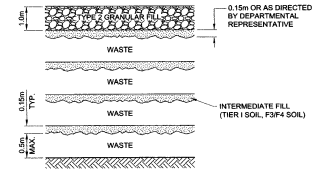


SECTION A
SCALE 1:100



SECTION B
SCALE 1:100

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



WASTE PLACEMENT DETAIL
SCALE N.T.S.

REAL PROPERTY SERVICES
Western Region

Indian and Northern Affairs Canada
Affaires indiennes et du Nord Canada

Canada
NUNAVUT REGIONAL OFFICE
IGALUIT, NUNAVUT

**PRELIMINARY
NOT FOR CONSTRUCTION**

- GENERAL NOTES:**
1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
 2. ALL COORDINATES ARE SITE COORDINATES AND ALL ELEVATIONS ARE BASED ON SITE DATUM.

THE ASSOCIATION OF PROFESSIONAL ENGINEERS, GEOLOGISTS AND GEOPHYSICISTS OF THE NORTHWEST TERRITORIES

PERMIT NUMBER
P 007

UMA ENGINEERING LTD.

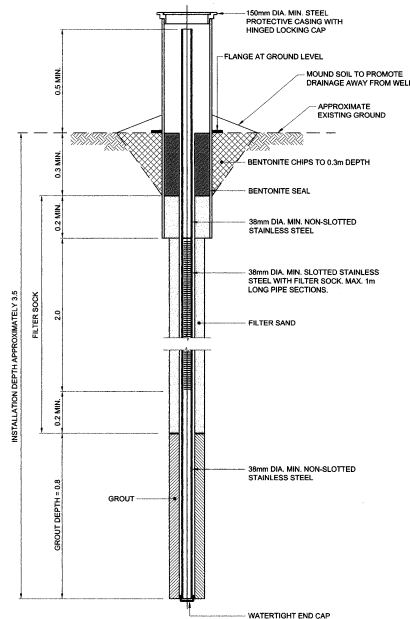
UMA | AECOM

REVISION	DESCRIPTION	DATE
1	ISSUED FOR TENDER	08/15/06
2	ISSUED FOR BIR REVIEW	08/07/06
3	ISSUED FOR BIR REVIEW	08/08/06

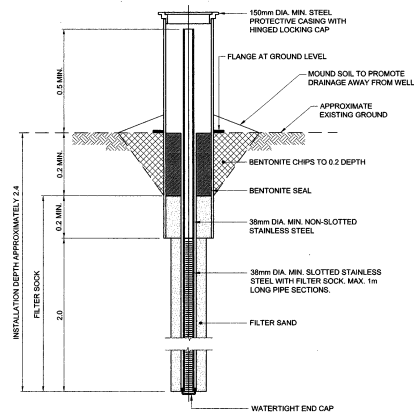
**BEAR ISLAND
REMEDIATION PROJECT**

**NON-HAZARDOUS WASTE LANDFILL
SECTIONS**

Designed by	T. SHIPSTER	checked by	
Drawn by	B. CHAO	approved by	
Approved by	B. PEDORAK	approved by	
PROJECT Manager	L. DYER	Administrative de Projets	19900
Scale	AS SHOWN	Sheet	008
Project No.	421391	Project No.	C08
Date	SEPTEMBER, 2006	Date	09 08



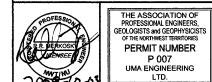
TYPICAL MONITORING WELL/BACKGROUND MONITORING WELL
(FOR BEDROCK DEPTH > 0.7m)
SCALE: N.T.S.



TYPICAL MONITORING WELL/BACKGROUND MONITORING WELL
(FOR BEDROCK DEPTH < 0.7m)
SCALE: N.T.S.

**PRELIMINARY
NOT FOR CONSTRUCTION**

GENERAL NOTES:
1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
2. APPROXIMATE LOCATIONS FOR INSTRUMENTATION ARE SHOWN ON THE DRAWINGS. ALL LOCATIONS TO BE FIELD CONFIRMED BY THE DEPARTMENTAL REPRESENTATIVE.



UMA | AECOM

REVISIONS	DESCRIPTION	DATE
A	ISSUED FOR TENDER	06/10/06
B	ISSUED FOR BIR REVIEW	06/10/06
C	ISSUED FOR BIR REVIEW	06/10/06

REVISIONS	DESCRIPTION	DATE
A	Detail number	A
B	number in detail	B
C	source drawing no.	C
	de design no.	
	detail on drawing no.	
	detail sur design no.	

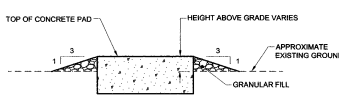
project title: **BEAR ISLAND REMEDIATION PROJECT**

drawing title: **GENERAL DETAILS**

designed by: T. ESHPETER	checked by:
drawn by: S. CHAO	designed by:
approved by: S. FEDORAK	approved by:
PMSC Project Manager: L. DYER	Administrative in Projects PMSC:
scale: NOT TO SCALE	notes:
project no: 421391	print no: C09
date: SEPTEMBER, 2006	date: 09-05



Figure 1 shows a 3D coordinate system with axes x, y, and z. A rectangular block is positioned in the first octant. The origin (0,0,0) is at the bottom-left-front corner. The x-axis extends to the right, the y-axis extends into the page, and the z-axis extends upwards. The top-right-back corner of the block is labeled (L, W, H), indicating the dimensions of the block.



SECTION

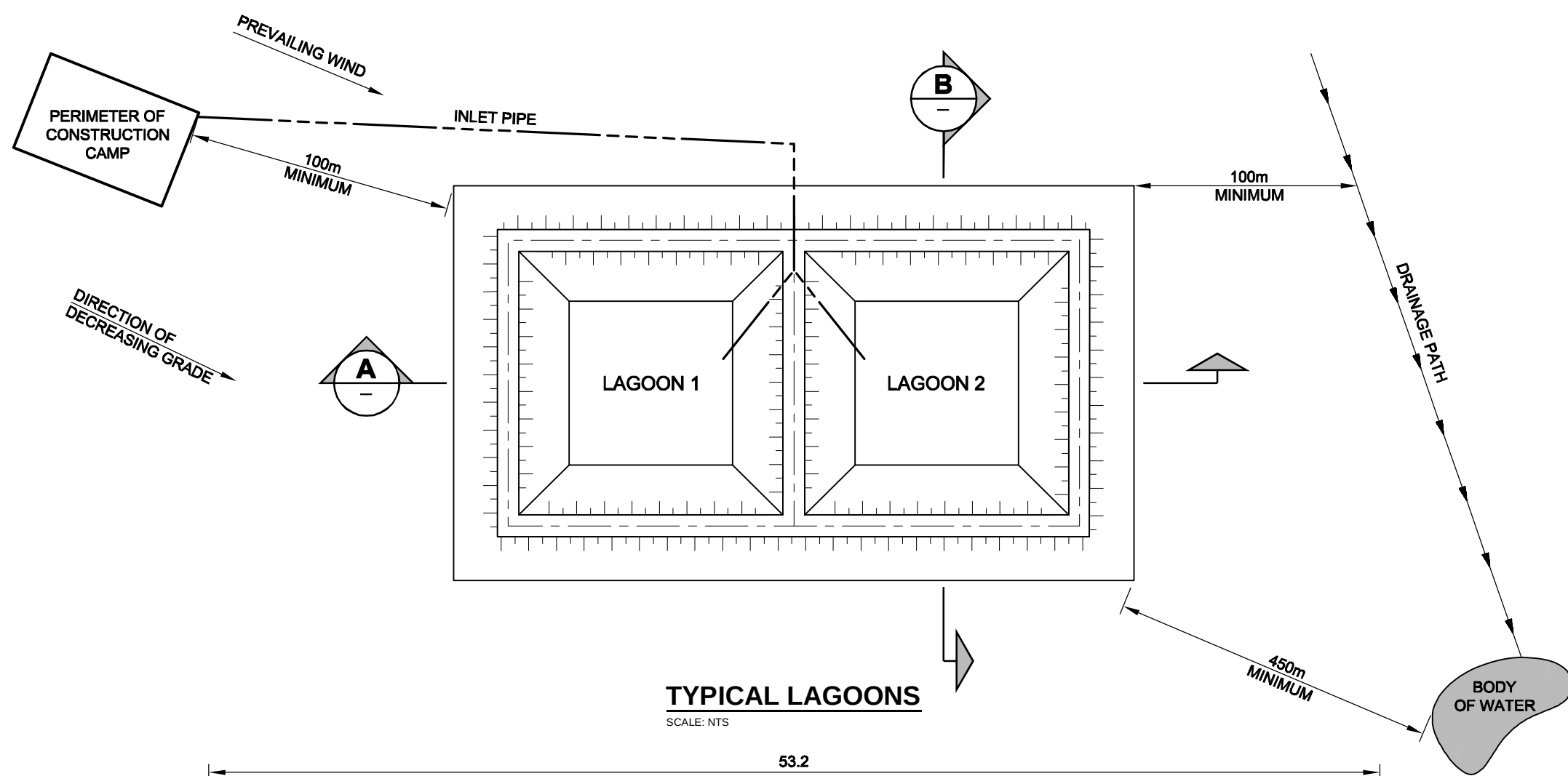


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SEPTEMBER, 2008		

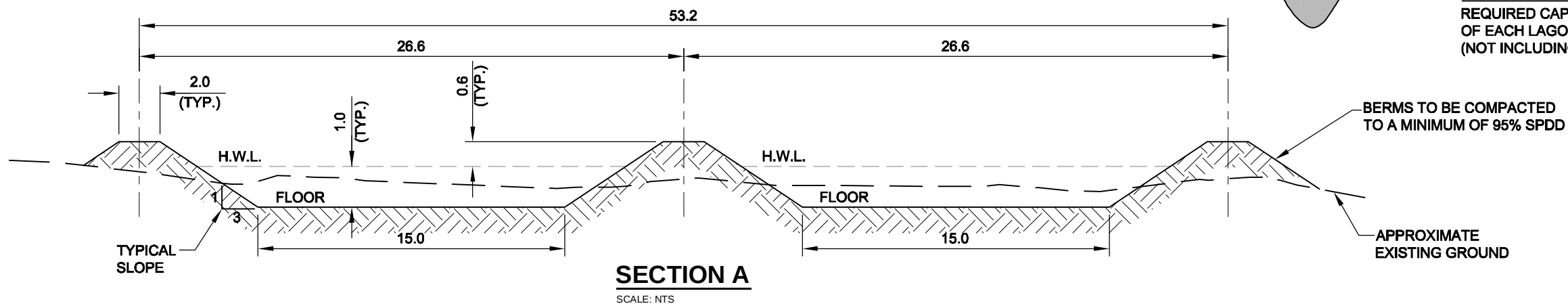


project no.	421391	project no.	SU
date		date	

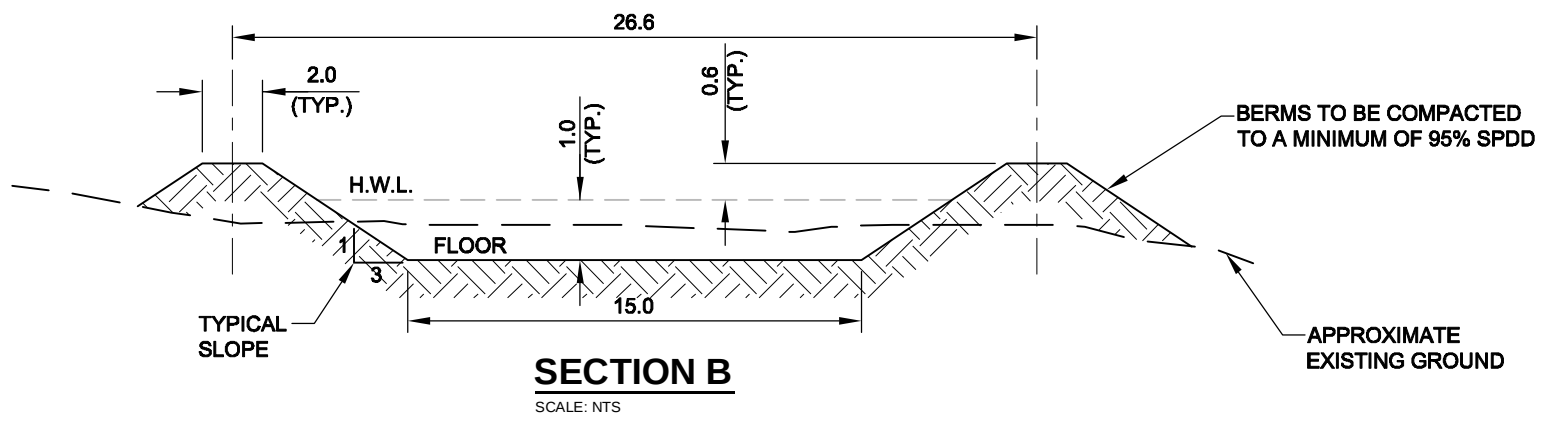
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TYPICAL LAGOONS
SCALE: NTS



SECTION A
SCALE: NTS



SECTION B
SCALE: NTS

GENERAL NOTES:

1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
2. IN THE EVENT OF SHALLOW BEDROCK, WHERE FLOOR OF THE LAGOON IS JUST BELOW ORIGINAL GROUND, USE 3m WIDE TOP OF BERM.
3. COMPACTED BERMS TO 95% OF STANDARD PROCTOR DRY DENSITY (SPDD), AT OPTIMUM MOISTURE CONTENT.
4. DISCHARGE WASTEWATER FROM CORNER OPPOSITE OF INLET.

ASSUMPTIONS AND DETAILS:

1. CAPACITY OF EACH LAGOON = 50 DAYS
2. AVERAGE CAMP SIZE = 35 PERSONS
3. MAXIMUM FLUID DEPTH = NOT TO EXCEED 1m
4. FREEBOARD = 0.6m
5. LAGOON TO BE LOCATED 100m FROM CAMP AND DOWNWIND, BASED ON PREVAILING WINDS.
6. ASSUME GROUND SLOPES AWAY FROM CAMP.
7. LOADING = 0.175m³/PERSON/DAY

CALCULATIONS:

LOADING	0.175m ³ /PERSON/DAY
CAMP SIZE	x 35 PERSONS
CONSTRUCTION SEASON	x 50 DAYS
REQUIRED CAPACITY OF EACH LAGOON (NOT INCLUDING FREEBOARD)	= 307m ³