

May 31, 2010

Richard Dwyer
Licensing Administrator
Nunavut Water Board
P.O. Box 119
Gjoa Haven, NU X0B 1J0

Dear Richard:

Project No: 1BR-PEL0510

Regarding: Response to Letter Dated May 4, 2010 to Douglas Craig

AECOM is providing the following clarifications and additional information as per the request in the letter from the Nunavut Water Board dated May 4, 2010 regarding the renewal application for the landfill monitoring at the CAM-4, Pelly Bay DEW Line site. Please see the following responses to the requests for information:

An updated Spill Contingency Plan that reflects the current status of the site.

See attached.

The 2009 Annual Report including the results of the 2009 Monitoring Program.

The 2009 Annual Monitoring Report for the CAM-4 site has been received by DCC, but it has not yet been sent to the NWB. As has been the case for the past several years, the monitoring reports for all of the former DEW Line sites undergoing long term monitoring are submitted as a package once all of the reports have been received by DCC and reviewed by the Environmental Working Group, which includes representatives from the NTI.

As built for the Tier II Soil Disposal Facility and Non-Hazardous Waste Landfill.

See attached.

The Tier II Soil Disposal Facility has some leeching and staining present, the applicant should address whether this is expected and is due to upper layer flow or whether Tier II contaminants are leaching.

There is no leaching present at the Tier II Soil Disposal Facility. There was some seepage noted; however, seepage is not the same as leaching. Seepage is a geotechnical engineering term used to indicate areas where there is water or fluid moving through the soil pore spaces. Leaching is caused by percolation of surface water through a landfill and indicates that there are contaminants present, which based on the monitoring data for this facility, there is not. The Tier II Facility at CAM-4 has been closed for only 3 years, and it has not yet reached a completely frozen state, which could allow

for some seepage through the cover materials, over top of the covering liner. Typically, complete freezing occurs after approximately 5 years. The staining observed is due to the high iron content of the granular covering materials.

Provide criteria used to determine whether a constructed facility has failed and therefore requires immediate repair.

A failure of constructed facility requiring immediate repair could only be caused by a catastrophic event. The intent of the landfill monitoring program is to identify even small changes, when compared to both the baseline and background data, that could indicate that the landfill is not performing as designed, so that appropriate maintenance measures can be taken, if required. The detection limits selected for the landfill monitoring criteria are very low, and were intended to give a very early indication if there are any issues associated with the constructed facilities.

Will the applicant be implementing the various recommendations made in the March 4, 2009 Summary of Recommendations Letter?

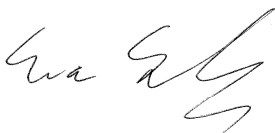
Most of the recommendations presented in the EWG Summary of Recommendations Letter were implemented. Regarding the Station Area Non-Hazardous Waste Landfill, soil and groundwater samples were collected as part of the routine landfill monitoring program in 2009, therefore no additional samples were required, and the EWG did not request additional work after the 2009 season. Background information, including the site investigation reports, was provided to the EWG previously, and no further background information was provided.

Regarding the DCC Tier II Soil Disposal Facility, updated site plans were provided showing the locations of the sampling points.

The arsenic result for the Upper Site Landfill was provided to the EWG.

We trust the information provided is sufficient. Please feel free to contact the undersigned if you have any further questions or comments.

AECOM Canada Ltd.



Eva Schulz, P.Ag.
Environmental Scientist
Eva.Schulz@aecom.com

Encl. Spill Contingency Plan, As-built Drawings
cc: Nahed Farah, DCC



Défense nationale

DEW LINE CLEAN UP PROJECT

NOTE:

DRAWING INDEX					
DRAWING No.	TITLE	DRAWING No.	TITLE	DRAWING No.	TITLE
SITING		SITING		SITING	
H-P44/1-9101-101	SITE VICINITY PLAN	H-P44/1-9101-118	UPPER SITE LANDFILL CROSS SECTIONS SHEET 1	H-P44/1-9101-134	MISCELLANEOUS DETAILS SHEET 1
H-P44/1-9101-102	OVERALL SITE PLAN	H-P44/1-9101-119	UPPER SITE LANDFILL CROSS SECTIONS SHEET 2	H-P44/1-9101-135	MISCELLANEOUS DETAILS SHEET 2
H-P44/1-9101-103	PROJECT LAYOUT SHEET 1	H-P44/1-9101-120	ABANDONED CAMP LANDFILL PLAN AND CROSS SECTIONS	STRUCTURAL	
H-P44/1-9101-104	PROJECT LAYOUT SHEET 2	H-P44/1-9101-121	LOWER SITE LANDFILL NORTH LOBE PLAN AND CROSS SECTION	H-P44/1-9101-201	STATION AREA DEMOLITION SITE PLAN
H-P44/1-9101-105	STATION AREA SITE PLAN	H-P44/1-9101-122	LOWER SITE LANDFILL KEY TRENCH EXCAVATION PLAN & GRADING/INSTRUMENTATION PLAN	H-P44/1-9101-202	AIRSTRIIP AREA DEMOLITION SITE PLAN
H-P44/1-9101-106	ABANDONED CAMP AREA SITE PLAN	H-P44/1-9101-123	LOWER SITE LANDFILL KEY TRENCH CENTRELINe PROFILE	H-P44/1-9101-203	WAREHOUSE PLAN, SECTION AND ELEVATION
H-P44/1-9101-107	LOWER SITE LANDFILL AREA SITE PLAN	H-P44/1-9101-124	LOWER SITE LANDFILL CROSS SECTIONS SHEET 1	H-P44/1-9101-204	GARAGE PLAN AND SECTION
H-P44/1-9101-108	BARROW LAKE SHORE AREA SITE PLAN	H-P44/1-9101-125	LOWER SITE LANDFILL CROSS SECTIONS SHEET 2	H-P44/1-9101-205	HEATED VEHICLE STORAGE ELEVATIONS AND SECTION
H-P44/1-9101-109	AIRSTRIIP AREA SITE PLAN	H-P44/1-9101-126	LOWER SITE NON-HAZARDOUS WASTE LANDFILL CROSS SECTION	H-P44/1-9101-206	MODULE TRAIN UNITS 1A-25 PLAN
H-P44/1-9101-110	STATION AREA NON-HAZARDOUS WASTE LANDFILL CROSS SECTION	H-P44/1-9101-127	LANDFARM PLAN	H-P44/1-9101-207	MODULE TRAIN UNITS 1A-25 ELEVATIONS
H-P44/1-9101-111	TIER II DISPOSAL FACILITY KEY TRENCH EXCAVATION PLAN & GRADING/INSTRUMENTATION PLAN	H-P44/1-9101-127A	LANDFARM CROSS SECTION	H-P44/1-9101-208	RADAR TOWER/RADOME PLAN AND SECTION
H-P44/1-9101-112	TIER II DISPOSAL FACILITY KEY TRENCH CENTRELINe PROFILE	H-P44/1-9101-128	CONTAMINATED AREAS SECTION AND DETAILS SHEET 1	H-P44/1-9101-209	COMMUNICATION DISH ELEVATIONS
H-P44/1-9101-113	TIER II DISPOSAL FACILITY CROSS SECTIONS SHEET 1	H-P44/1-9101-129	CONTAMINATED AREAS SECTION AND DETAILS SHEET 2	H-P44/1-9101-210	QWL STORAGE SHED AND POL PUMPHOUSE PLANS, SECTION AND ELEVATIONS
H-P44/1-9101-114	TIER II DISPOSAL FACILITY CROSS SECTIONS SHEET 2	H-P44/1-9101-130	CONTAMINATED AREAS SECTION AND DETAILS SHEET 3	H-P44/1-9101-211	FUEL TANKS PLAN AND ELEVATIONS
H-P44/1-9101-115	UPPER SITE LANDFILL EXCAVATION PLAN & CROSS SECTIONS	H-P44/1-9101-131	CONTAMINATED AREAS SECTION AND DETAILS SHEET 4	H-P44/1-9101-212	AIRSTRIIP ANCILLARY FACILITIES STANDARD DETAILS
H-P44/1-9101-116	UPPER SITE LANDFILL KEY TRENCH EXCAVATION PLAN & GRADING/INSTRUMENTATION PLAN	H-P44/1-9101-132	CONTAMINATED AREAS SECTION AND DETAILS SHEET 5	© COPYRIGHT HER MAJESTY THE QUEEN IN RIGHT OF CANADA 2009, AS REPRESENTED BY THE MINISTER OF NATIONAL DEFENCE.	
H-P44/1-9101-117	UPPER SITE LANDFILL KEY TRENCH CENTRELINe PROFILE	H-P44/1-9101-133	CONTAMINATED AREAS SECTION AND DETAILS SHEET 6		

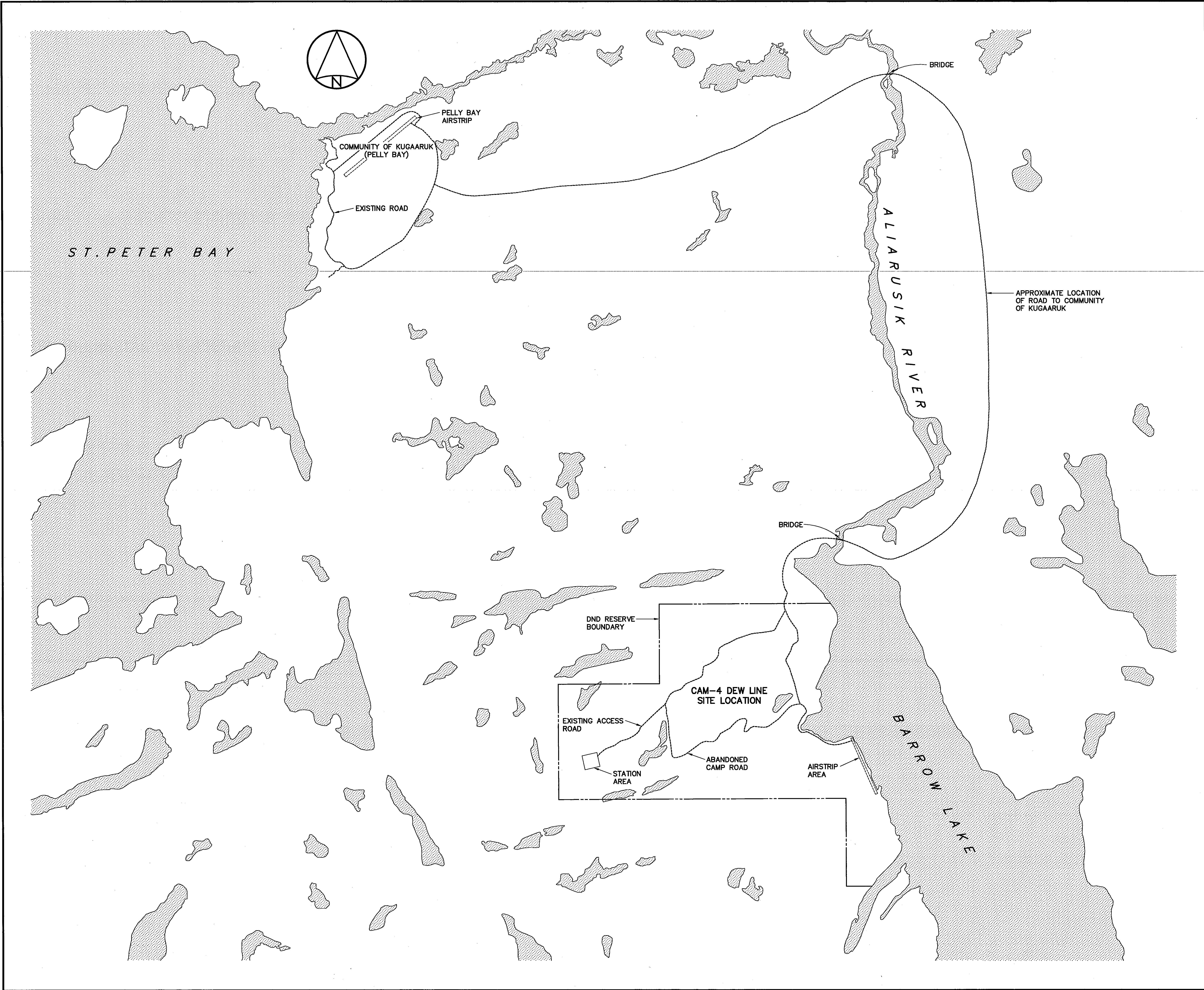



CAM-4 PELLY BAY AS-BUILT DRAWINGS

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MARCH, 2009






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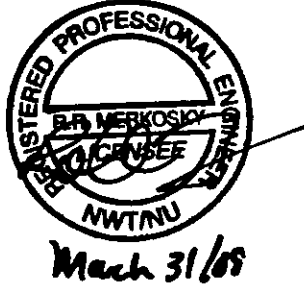
Défense
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Legend:

 BODY OF WATER

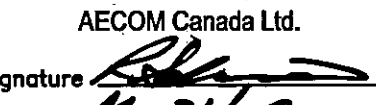
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No.	DATE	REVISION	APPR.



March 31/08

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Signature: 

Date: Mar 31/09

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SCALE - ECHELLE 0 0.5 0.25 0 0.5 1 1.5km

PROJECT - PROJET
CAM-4 PELLY BAY

DEW LINE CLEAN UP

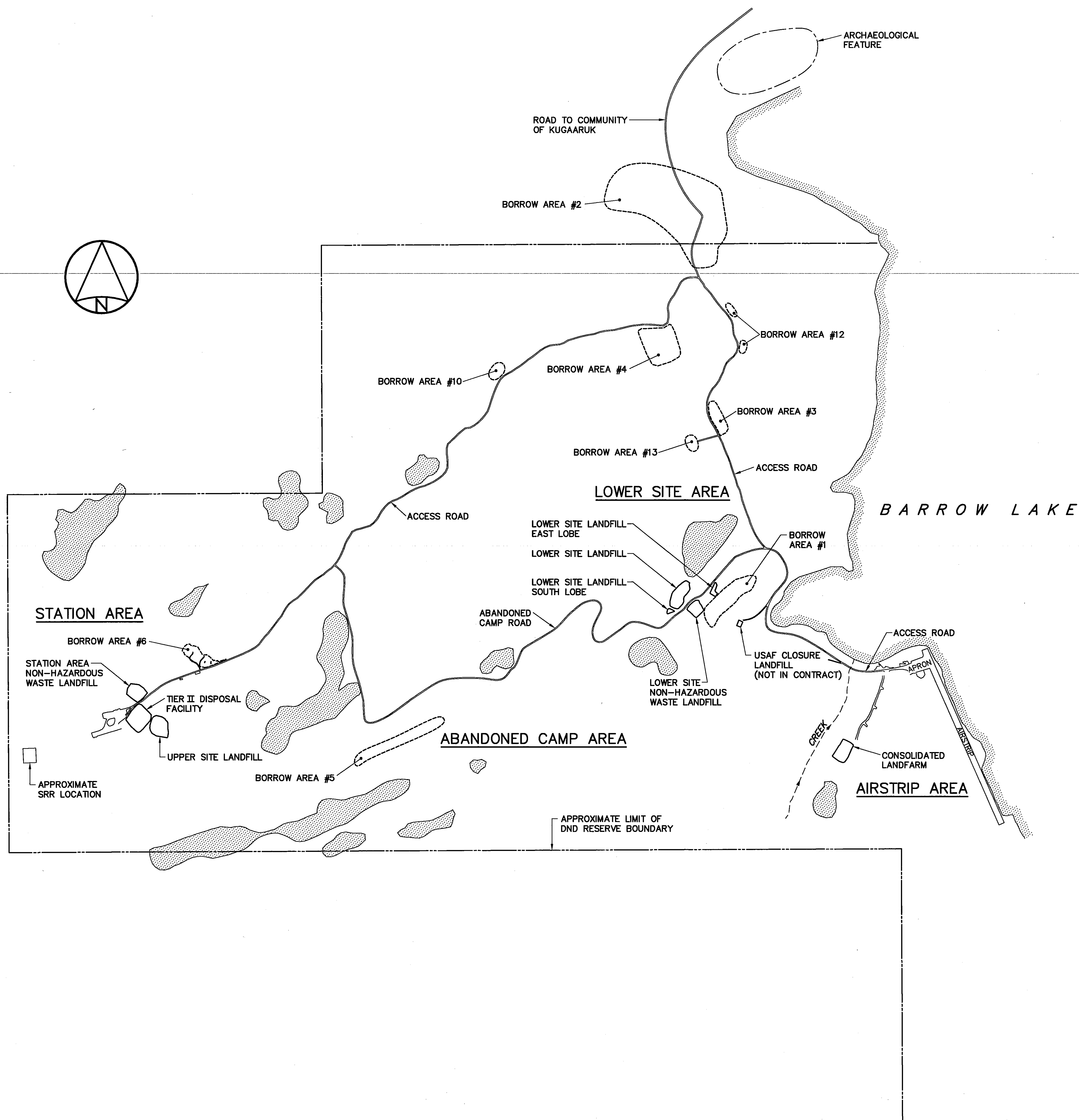
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TRADE - METIER	SITING	DATE
SUBJECT - SUJET		2001-02-28

SITE VICINITY PLAN

PRODUCTION		CONCURRENCE - ASSENTIMENT	
DESIGNED ETUDIE	TMS	DES OFF AGENT CONCEPT	
DRAWN DESSINE	LJV	SECT HD CHEF SECT	
CHECKED VERIFIE	KMS	DES MGR GEST CONCEPT	
COORDINATION	SMS	REVIEWED - REVU	

DWG. NO. - DESSIN NO.
H-P44/1-9101-101



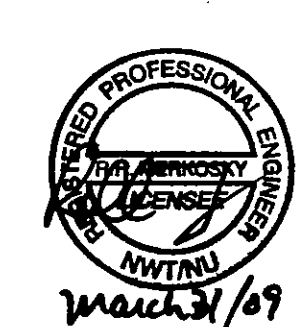
General Notes:

1. HORIZONTAL CONTROL REFERENCED TO SURVEY CONTROL MONUMENTS.
2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
3. ALL NON-HAZARDOUS DEBRIS REMOVED WITHIN THE PLAN AREA WAS PLACED IN THE STATION AREA OR LOWER SITE NON-HAZARDOUS WASTE LANDFILLS.

Legend:

- APPROXIMATE LOCATION OF PROPERTY BOUNDARY
- APPROXIMATE EXTENT OF BORROW AREA
- BODY OF WATER

0	09-03-26	AS-BUILT DRAWING	ARM
No.	DATE	REVISION	APPR.



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SCALE - ECHELLE 200 100 0 200 400 600m

PROJECT - PROJET
CAM-4 PELLY BAY

DEW LINE CLEAN UP

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TRADE - METIER	SITING	DATE
SUBJECT - SUJET		2001-02-28

OVERALL SITE PLAN

PRODUCTION		CONCURRENCE - ASSENTIMENT	
DESIGNED ETUDE	<i>TMS</i>	DES OFF AGENT CONCEPT	
DRAWN DESSINE	<i>L/J</i>	SECT HD CHIEF SECT	
CHECKED VERIFIE	<i>KMS</i>	DES MGR GEST CONCEPT	
COORDINATION	<i>SMS</i>	REVIEWED - REVU	

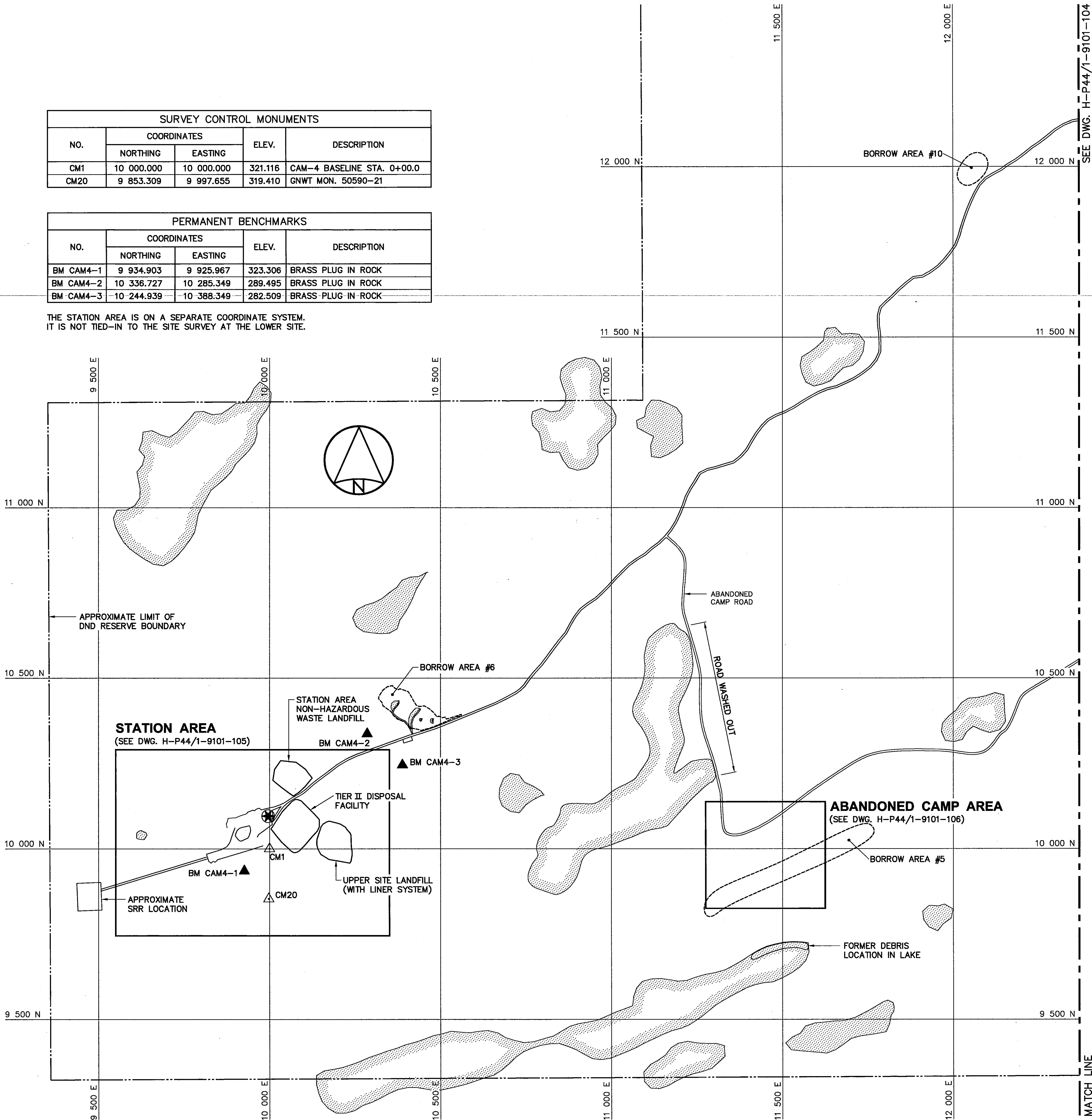
DWG. NO. - DESSIN NO.
H-P44/1-9101-102



SURVEY CONTROL MONUMENTS				
NO.	COORDINATES		ELEV.	DESCRIPTION
	NORTHING	EASTING		
CM1	10 000.000	10 000.000	321.116	CAM-4 BASELINE STA. 0+00.0
CM20	9 853.309	9 997.655	319.410	GNWT MON. 50590-21

PERMANENT BENCHMARKS				
NO.	COORDINATES		ELEV.	DESCRIPTION
	NORTHING	EASTING		
BM CAM4-1	9 934.903	9 925.967	323.306	BRASS PLUG IN ROCK
BM CAM4-2	10 336.727	10 285.349	289.495	BRASS PLUG IN ROCK
BM CAM4-3	10 244.939	10 388.349	282.509	BRASS PLUG IN ROCK

THE STATION AREA IS ON A SEPARATE COORDINATE SYSTEM.
IT IS NOT TIED-IN TO THE SITE SURVEY AT THE LOWER SITE.



General Notes:

1. LOCAL COORDINATE SYSTEM ESTABLISHED BASED ON ASSUMED 10 000 N, 10 000 E AT SURVEY CONTROL MONUMENT CM1.
2. ALL ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL. (REF. DWG. AAP-2, DEPT. OF THE AIR FORCE, USAF).
3. HORIZONTAL CONTROL REFERENCED TO SURVEY CONTROL MONUMENTS.
4. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
5. ALL SHORT RANGE RADAR (SRR) FACILITIES WERE OPERATIONAL.
6. FOR PERMANENT SURVEY CONTROL (BENCHMARK) INSTALLATION DETAILS, SEE DWG. H-P44/1-9101-135.

Legend:

- △ CM SURVEY CONTROL MONUMENT
- ▲ BM PERMANENT BENCHMARK LOCATION (3)
- ⊗ APPROXIMATE LOCATION OF COMMEMORATIVE PLAQUE
- APPROXIMATE EXTENT OF BORROW AREA
- BODY OF WATER

0	09-03-30	AS-BUILT DRAWING	RRM
No.	DATE	REVISION	APPR.



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SCALE - ECHELLE 100 50 0 100 200 300m

PROJECT - PROJET CAM-4 PELLY BAY

DEW LINE CLEAN UP

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TRADE - METIER SITING DATE 2001-02-28

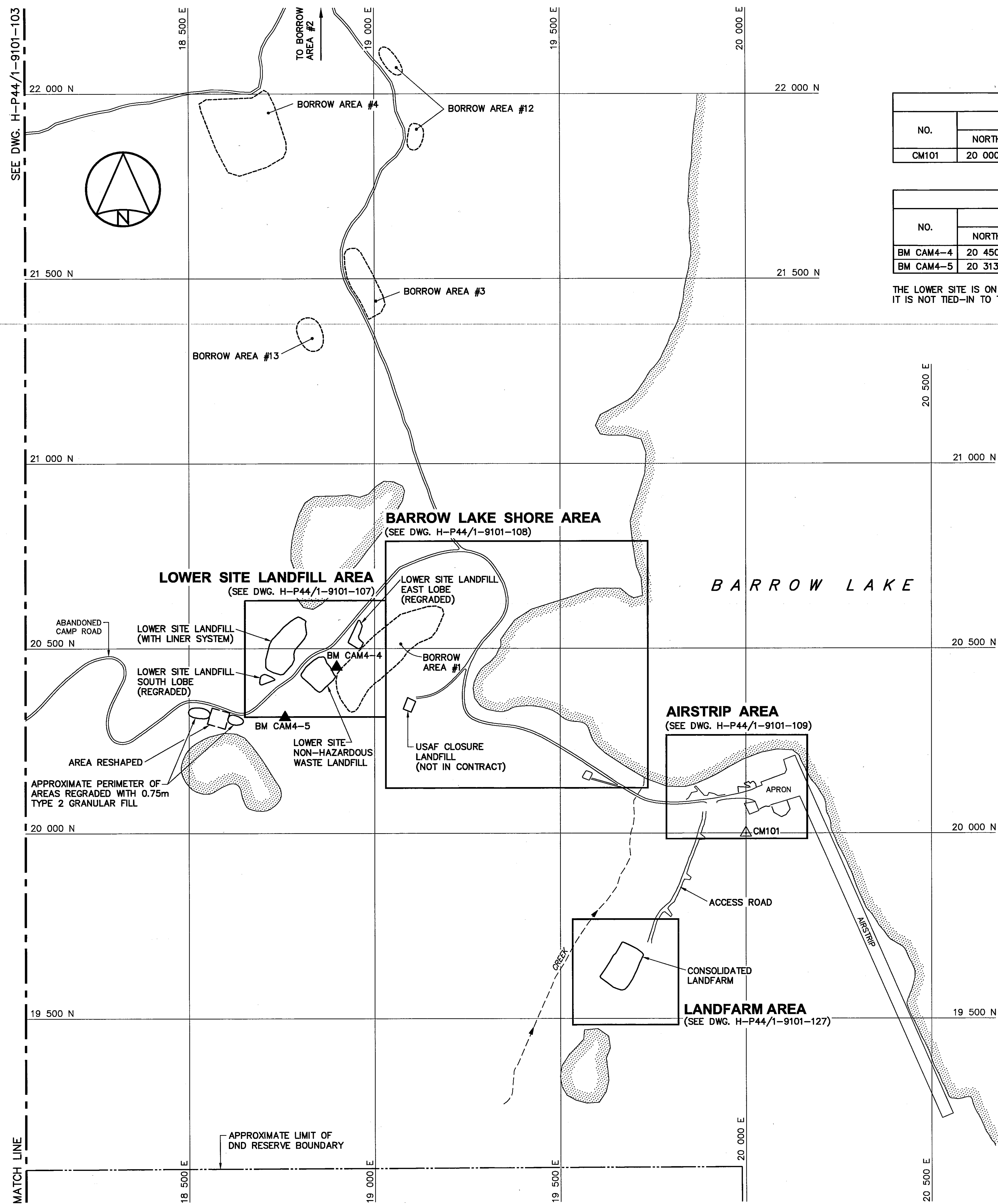
SUBJECT - SUJET

PROJECT LAYOUT SHEET 1

PRODUCTION		CONCURRENCE - ASSENTIMENT	
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DRAWN DESSINE	LJV	SECT HD CHIEF SECT	
CHECKED VÉRIFIÉ	KMS	DES MGR GEST CONCEPT	
COORDINATION	SMS	REVIEWED - REVU	

DWG. NO. - DESSIN NO.
H-P44/1-9101-103

Canada



SURVEY CONTROL MONUMENTS				
NO.	COORDINATES		ELEV.	DESCRIPTION
	NORTHING	EASTING		
CM101	20 000.000	20 000.000	102.031	GNWT MON. 50590-23

PERMANENT BENCHMARKS				
NO.	COORDINATES		ELEV.	DESCRIPTION
	NORTHING	EASTING		
BM CAM4-4	20 450.188	18 897.315	138.392	BRASS PLUG IN ROCK
BM CAM4-5	20 313.889	18 758.030	142.703	BRASS PLUG IN ROCK

THE LOWER SITE IS ON A SEPARATE COORDINATE SYSTEM.
IT IS NOT TIED-IN TO THE SITE SURVEY AT THE STATION AREA.



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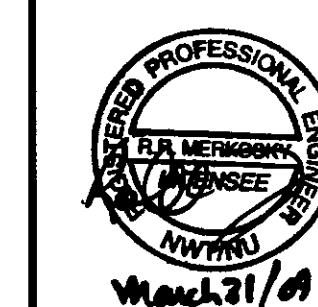
General Notes:

1. LOCAL COORDINATE SYSTEM ESTABLISHED BASED ON ASSUMED 20 000 N, 20 000 E AT SURVEY CONTROL MONUMENT CM101.
2. ALL ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL. (REF. DWG. AAP-2, DEPT. OF THE AIR FORCE, USAF).
3. HORIZONTAL CONTROL REFERENCED TO SURVEY CONTROL MONUMENTS.
4. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
5. FOR PERMANENT SURVEY CONTROL (BENCHMARK) INSTALLATION DETAILS, SEE DWG. H-P44/1-9101-135.

Legend:

- △ CM SURVEY CONTROL MONUMENT
- ▲ BM PERMANENT BENCHMARK LOCATION (2)
- APPROXIMATE EXTENT OF BORROW AREA
- BODY OF WATER

0	09-03-26	AS-BUILT DRAWING	RAM
No.	DATE	REVISION	APPR.



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SCALE - ECHELLE 100 50 0 100 200 300m

PROJECT - PROJET
CAM-4 PELLY BAY

DEW LINE CLEAN UP

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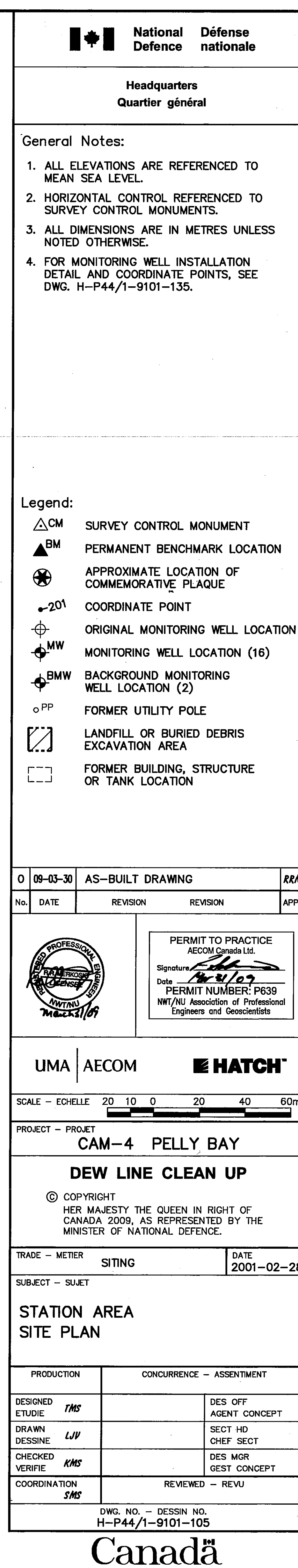
SUBJECT - SUJET

PROJECT LAYOUT
SHEET 2

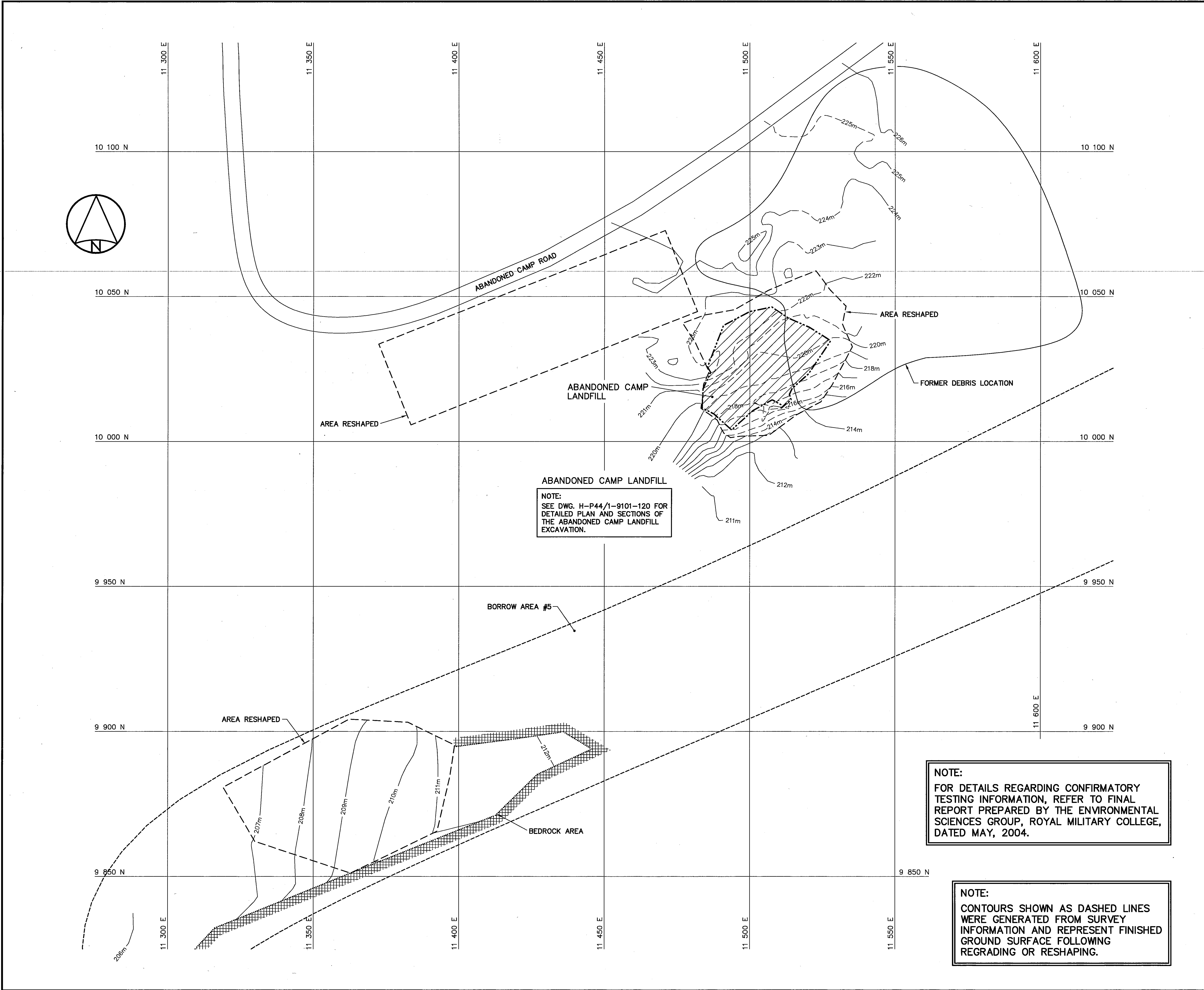
PRODUCTION		CONCURRENCE - ASSENTIMENT	
DESIGNED ETUDIE	TMS	DES OFF AGENT CONCEPT	
DRAWN DESSINE	LJV	SECT HD CHEF SECT	
CHECKED VERIFIE	KMS	DES MGR GEST CONCEPT	
COORDINATION SMS		REVIEWED - REVU	


DWG. NO. - DESSIN NO.
H-P44/1-9101-104

Canada




UPPER SITE LANDFILL—SOUTH LOBE REGRAIDING (AS BUILT)			
NO.	COORDINATES		ELEV.
	NORTHING	EASTING	
901	9 950.2	10 195.4	301.8
902	9 944.7	10 198.6	301.0
903	9 939.2	10 203.5	300.4
904	9 927.3	10 202.0	299.9
905	9 916.6	10 195.8	299.3
906	9 924.9	10 182.4	301.4
907	9 924.9	10 176.1	302.1
908	9 928.4	10 174.1	302.4
909	9 933.4	10 168.8	304.6
910	9 938.4	10 172.3	304.3
911	9 945.2	10 184.3	302.8





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General Notes:

- ALL ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL.
- HORIZONTAL CONTROL REFERENCED TO SURVEY CONTROL MONUMENTS.
- ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.

Legend:

LANDFILL OR BURIED DEBRIS EXCAVATION AREA


0	09-03-30	AS-BUILT DRAWING	RRM
No.	DATE	REVISION	APPR.



March 21/09

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SCALE - ECHELLE: 10 5 0 10 20 30m

PROJECT - PROJET: CAM-4 PELLY BAY

DEW LINE CLEAN UP

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TRADE - METIER	SITING	DATE
		2001-02-28

SUBJECT - SUJET: ABANDONED CAMP AREA SITE PLAN

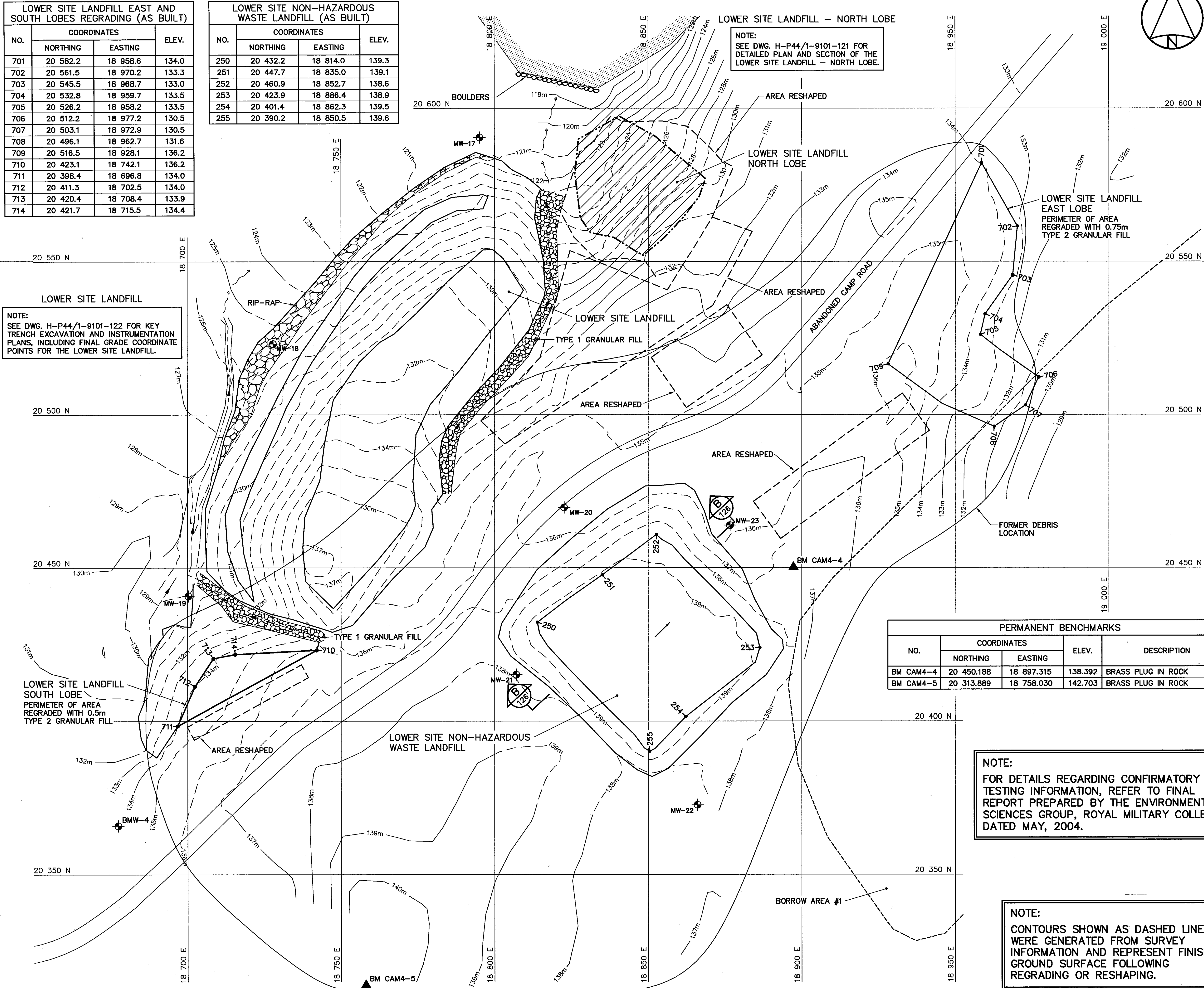
PRODUCTION	CONCURRENCE - ASSENTMENT
DESIGNED ETUDIE TMS	DES OFF AGENT CONCEPT
DRAWN DESSINE LJV	SECT HD CHEF SECT
CHECKED VERIFIE KMS	DES MGR GEST CONCEPT
COORDINATION SMS	REVIEWED - REVU

DWS. NO. - DESSIN NO.
H-P44/1-9101-106

Canada

LOWER SITE LANDFILL EAST AND SOUTH LOBES REGRADING (AS BUILT)			
NO.	COORDINATES		ELEV.
	NORTHING	EASTING	
701	20 582.2	18 958.6	134.0
702	20 561.5	18 970.2	133.3
703	20 545.5	18 968.7	133.0
704	20 532.8	18 959.7	133.5
705	20 526.2	18 958.2	133.5
706	20 512.2	18 977.2	130.5
707	20 503.1	18 972.9	130.5
708	20 496.1	18 962.7	131.6
709	20 516.5	18 928.1	136.2
710	20 423.1	18 742.1	136.2
711	20 398.4	18 696.8	134.0
712	20 411.3	18 702.5	134.0
713	20 420.4	18 708.4	133.9
714	20 421.7	18 715.5	134.4

LOWER SITE NON-HAZARDOUS WASTE LANDFILL (AS BUILT)			
NO.	COORDINATES		ELEV.
	NORTHING	EASTING	
250	20 432.2	18 814.0	139.3
251	20 447.7	18 835.0	139.1
252	20 460.9	18 852.7	138.6
253	20 423.9	18 886.4	138.9
254	20 401.4	18 862.3	139.5
255	20 390.2	18 850.5	139.6



NOTE:
SEE DWG. H-P44/1-9101-121 FOR
DETAILED PLAN AND SECTION OF THE
LOWER SITE LANDFILL - NORTH LOBE.

NOTE:
SEE DWG. H-P44/1-9101-122 FOR KEY
TRENCH EXCAVATION AND INSTRUMENTATION
PLANS, INCLUDING FINAL GRADE COORDINATE
POINTS FOR THE LOWER SITE LANDFILL.

PERMANENT BENCHMARKS				
NO.	COORDINATES		ELEV.	DESCRIPTION
	NORTHING	EASTING		
BM CAM4-4	20 450.188	18 897.315	138.392	BRASS PLUG IN ROCK
BM CAM4-5	20 313.889	18 758.030	142.703	BRASS PLUG IN ROCK

NOTE:
FOR DETAILS REGARDING CONFIRMATORY
TESTING INFORMATION, REFER TO FINAL
REPORT PREPARED BY THE ENVIRONMENTAL
SCIENCES GROUP, ROYAL MILITARY COLLEGE,
DATED MAY, 2004.

NOTE:
CONTOURS SHOWN AS DASHED LINES
WERE GENERATED FROM SURVEY
INFORMATION AND REPRESENT FINISHED
GROUND SURFACE FOLLOWING
REGRADING OR RESHAPING.

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General Notes:

- ALL ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL.
- HORIZONTAL CONTROL REFERENCED TO SURVEY CONTROL MONUMENTS.
- ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- FOR MONITORING WELL INSTALLATION DETAIL AND COORDINATE POINTS, SEE DWG. H-P44/1-9101-135.

Legend:

- BM PERMANENT BENCHMARK LOCATION
- 250 COORDINATE POINT
- MW MONITORING WELL LOCATION (7)
- BMW BACKGROUND MONITORING WELL LOCATION (1)
- LANDFILL OR BURIED DEBRIS EXCAVATION AREA
- BODY OF WATER

0	09-03-30	AS-BUILT DRAWING	RAM
No.	DATE	REVISION	APPR.

PERMIT TO PRACTICE
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Date: *12/1/07*
PERMIT NUMBER: P639
NWT/NW Association of Professional Engineers and Geoscientists

March 31/09

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SCALE - ECHELLE 10 5 0 10 20 30m

PROJECT - PROJET
CAM-4 PELLY BAY

DEW LINE CLEAN UP

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TRADE - METIER SITING DATE 2001-02-28

SUBJECT - SUJET

LOWER SITE LANDFILL AREA
SITE PLAN

PRODUCTION	CONCURRENCE - ASSENTIMENT	
DESIGNED ETUDIE TMS	DES OFF AGENT CONCEPT	
DRAWN DESSINE LJV	SECT HD CHEF SECT	
CHECKED VERIFIE KMS	DES MGR GEST CONCEPT	
COORDINATION SMS	REVIEWED - REVU	

DWG. NO. - DESSIN NO.
H-P44/1-9101-107

Canada

AIRSTRIp REGRADING (AS-BUILT)		
NO.	COORDINATES	
	NORTHING	EASTING
940	20 107.8	19 881.5
941	20 103.2	19 895.1
942	20 111.4	19 899.2
943	20 110.7	19 916.0
944	20 098.8	19 918.9
945	20 091.9	19 888.9
946	20 098.2	19 881.1

SURVEY CONTROL MONUMENTS			
NO.	COORDINATES		DESCRIPTION
	NORTHING	EASTING	
CM101	20 000.000	20 000.000	102.031 GNWT MON. 50590-23

NOTE:
CONTOURS SHOWN AS DASHED LINES
WERE GENERATED FROM SURVEY
INFORMATION AND REPRESENT FINISHED
GROUND SURFACE FOLLOWING
REGRADING OR RESHAPING.

NOTE:
FOR DETAILS REGARDING CONFIRMATORY
TESTING INFORMATION, REFER TO FINAL
REPORT PREPARED BY THE ENVIRONMENTAL
SCIENCES GROUP, ROYAL MILITARY COLLEGE,
DATED MAY, 2004.



Headquarters
Quartier général

General Notes:

1. ALL ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL.
2. HORIZONTAL CONTROL REFERENCED TO SURVEY CONTROL MONUMENTS.
3. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
4. REFER TO DWG. H-P44/1-9101-202 FOR CULVERT DEMOLITION INVENTORY TABLE.

Legend:

- SURVEY CONTROL MONUMENT
- COORDINATE POINT
- ORIGINAL MONITORING WELL LOCATION
- FORMER UTILITY POLE
- FORMER BUILDING, STRUCTURE OR TANK LOCATION
- FORMER CULVERT (SEE NOTE 4)
- BODY OF WATER

0	09-03-30	AS-BUILT DRAWING	RRM
No.	DATE	REVISION	APPR.



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Date: *10/10/09*
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SCALE - ECHELLE 10 5 0 10 20 30m

PROJECT - PROJET
CAM-4 PELLY BAY

DEW LINE CLEAN UP

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TRADE - METIER	SITING	DATE
		2001-02-28

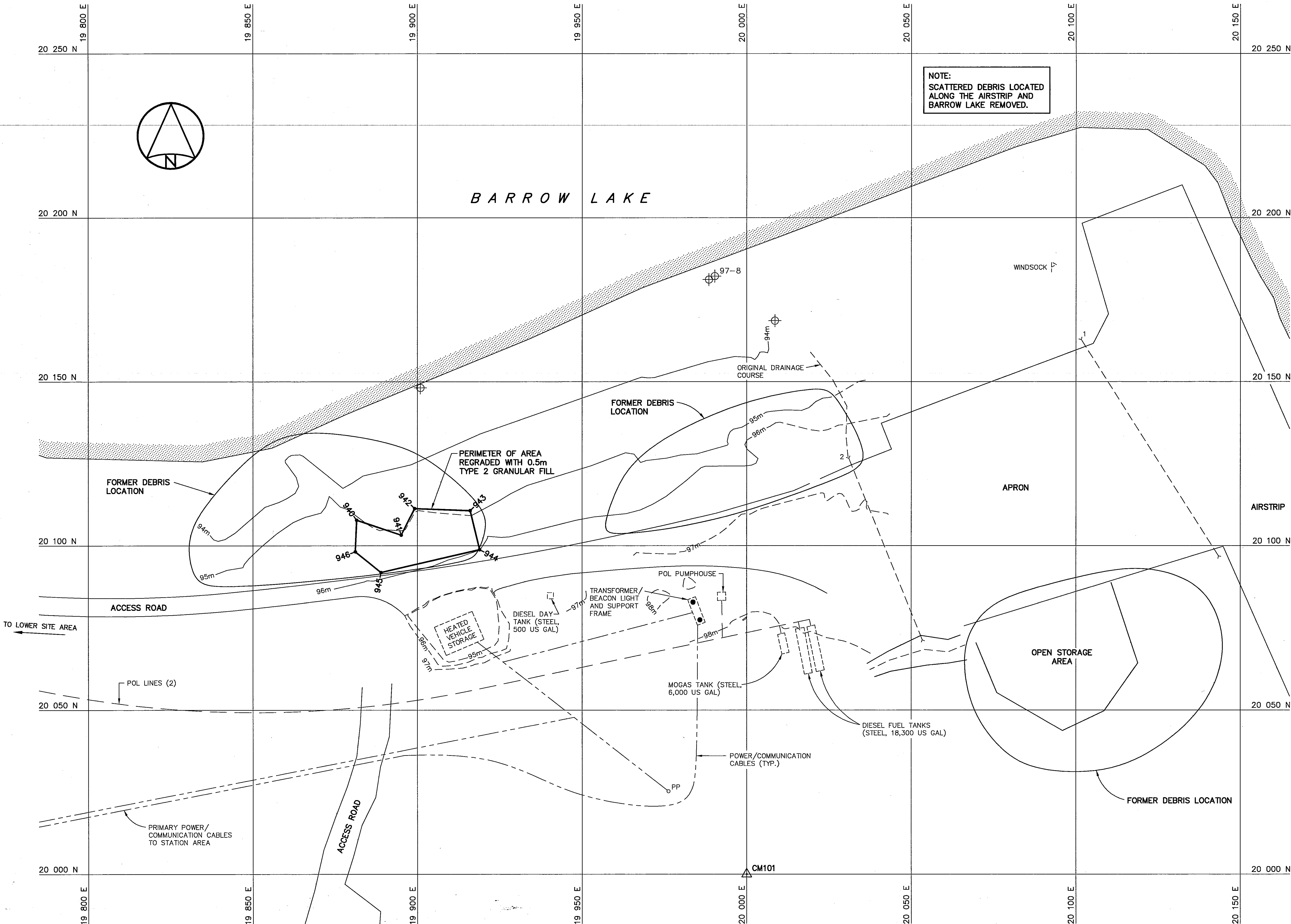
SUBJECT - SUJET

AIRSTRIp AREA
SITE PLAN

PRODUCTION		CONCURRENCE - ASSENTIMENT	
DESIGNED ETUDIE	TMS	DES OFF AGENT CONCEPT	
DRAWN DESSINE	LJV	SECT HD CHEF SECT	
CHECKED VERIFIE	KMS	DES MGR GEST CONCEPT	
COORDINATION	SMS	REVIEWED - REVU	

DWG. NO. - DESSIN NO.
H-P44/1-9101-109

Canada



NOTE:
SCATTERED DEBRIS LOCATED
ALONG THE AIRSTRIp AND
BARROW LAKE REMOVED.

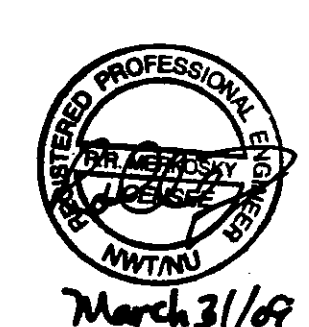
General Notes:

1. ALL ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL.
2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.


Legend:

- GENERATED BASED ON AS-BUILT SURVEY INFORMATION
- CONSTRUCTED AS PER DESIGN, NO AS-BUILT SURVEY INFORMATION

0	09-03-30	AS-BUILT DRAWING	RAM
No.	DATE	REVISION	APPR.



March 31/09

PERMIT TO PRACTICE
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Signature: 
Date: Mar 31/09
PERMIT NUMBER: P639
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SCALE - ECHELLE 2 1 0 2 4 6m

PROJECT - PROJET
CAM-4 PELLY BAY

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TRADE - METIER SITING DATE
2001-02-28

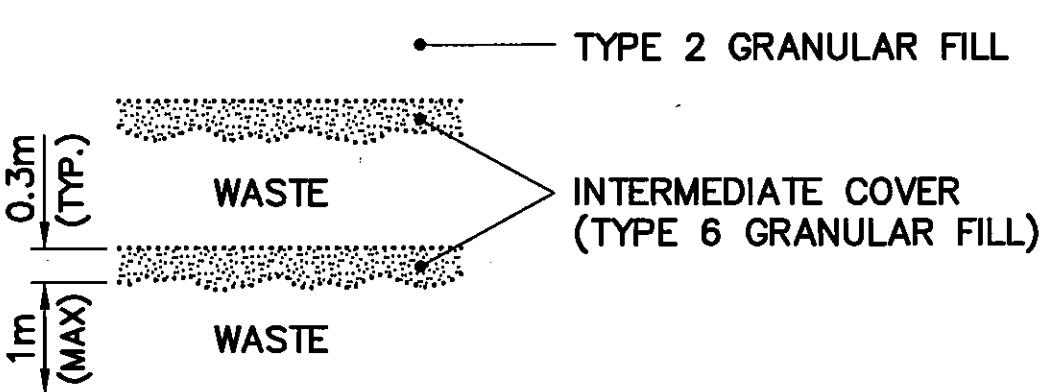
SUBJECT - SUJET
STATION AREA
NON-HAZARDOUS WASTE LANDFILL
CROSS SECTION

PRODUCTION	CONCURRENCE - ASSENTIMENT	
DESIGNED ETUDIE <i>TMS</i>	DES OFF AGENT CONCEPT	
DRAWN DESSINE <i>LJV</i>	SECT HD CHEF SECT	
CHECKED VERIFIE <i>KMS</i>	DES MGR GEST CONCEPT	
COORDINATION <i>SMS</i>	REVIEWED - REVU	

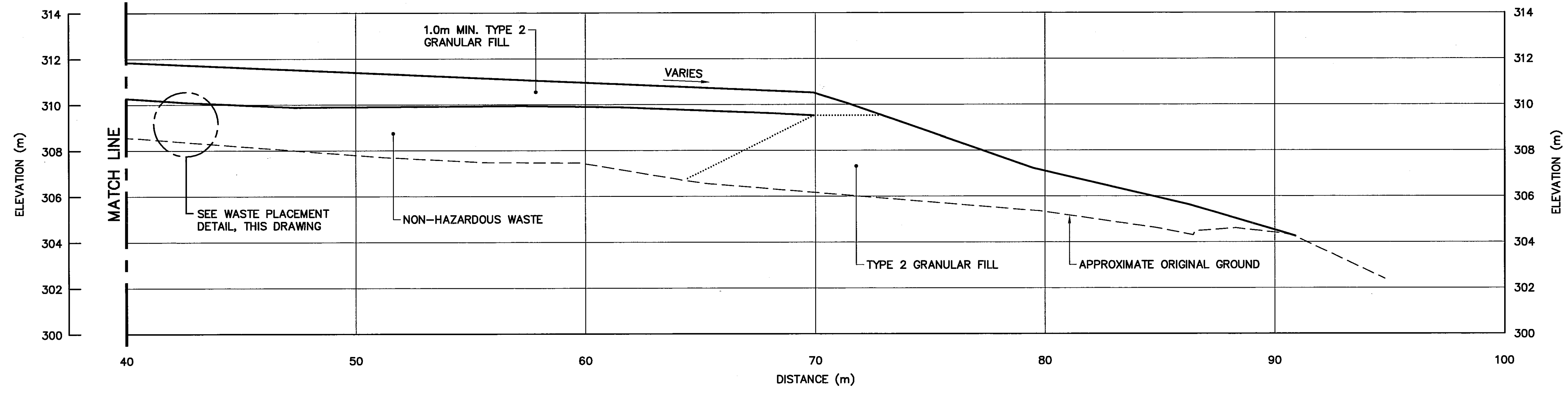
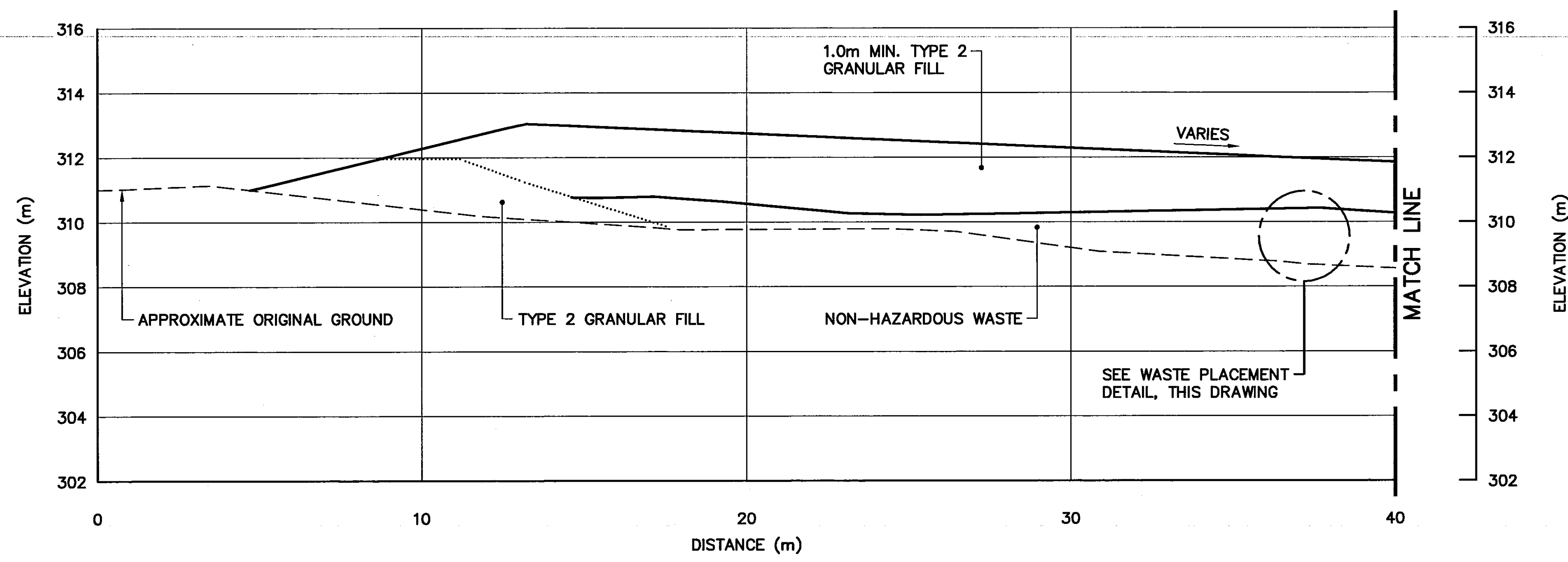
DWG. NO. - DESSIN NO.
H-P44/1-9101-110

Canada

NOTE:
ADDITIONAL WASTE LAYERS, MAY
HAVE BEEN REQUIRED, TO ACHIEVE
THE STATION AREA NON-HAZARDOUS
WASTE LANDFILL DESIGN ELEVATIONS.



WASTE PLACEMENT DETAIL
SCALE: NTS



SECTION A
105

General Notes:

1. ALL ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL.
2. HORIZONTAL CONTROL REFERENCED TO SURVEY CONTROL MONUMENTS.
3. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
4. FOR VERTICAL THERMISTOR INSTALLATION DETAIL, SEE DWG. H-P44/1-9101-135.
5. KEY TRENCH EXTENDS BELOW ORIGINAL GROUND TO SOUND BEDROCK OR SATURATED GROUND (DEPTH VARIES). SEE DWG. H-P44/1-9101-112.

Legend:

- 320 COORDINATE POINT
- VT VERTICAL THERMISTOR INSTALLATION (4)

0	09-03-30	AS-BUILT DRAWING	RRM
No.	DATE	REVISION	APPR.



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Date: *March 31/11*
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SCALE - ECHELLE 10 5 0 10 20 30m

PROJECT - PROJET **CAM-4 PELLY BAY**

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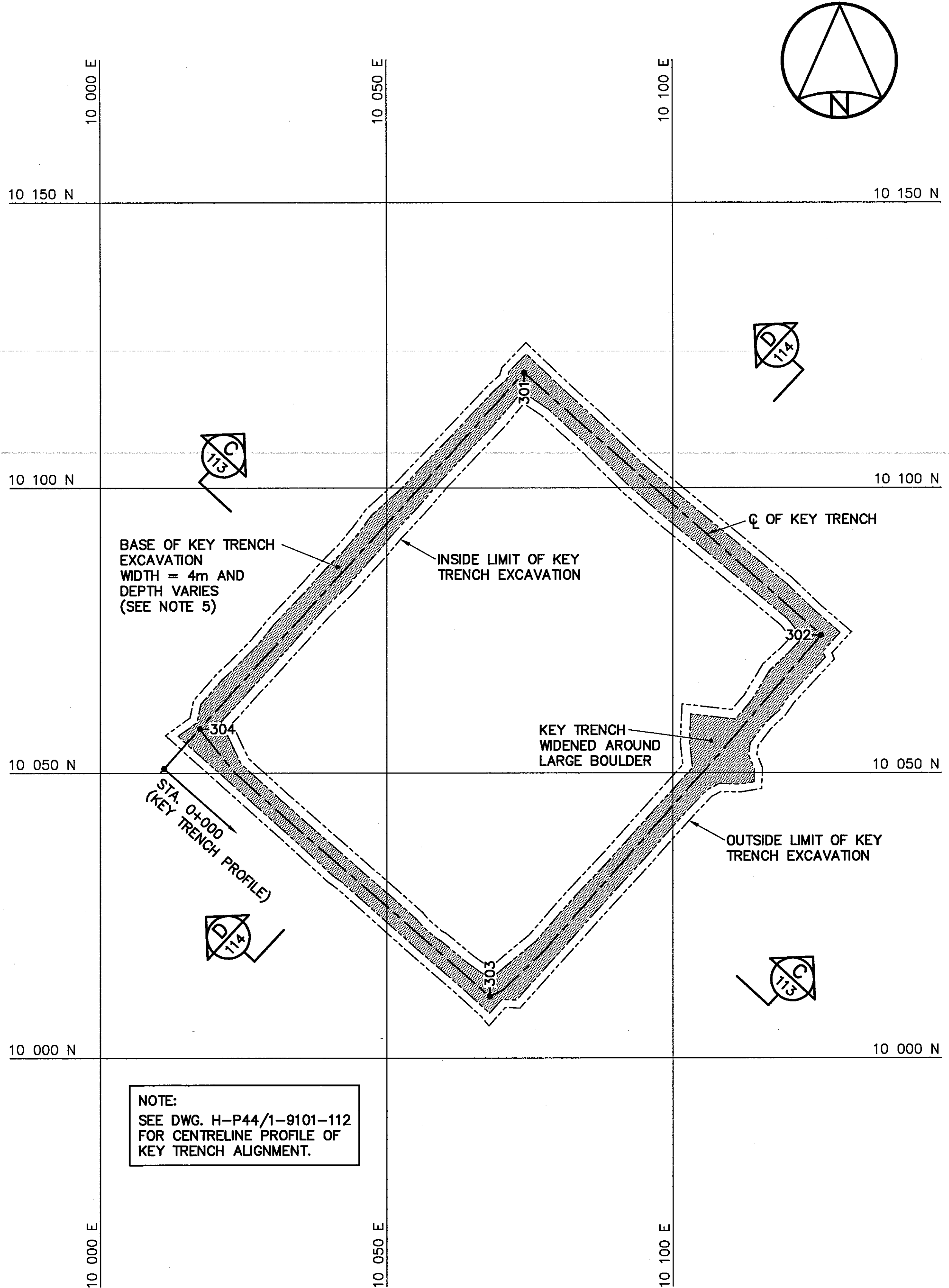
TRADE - METIER **SITING** DATE **2001-02-28**

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

PRODUCTION	CONCURRENCE - ASSENTIMENT
DESIGNED ETUDIE <i>TMS</i>	DES OFF AGENT CONCEPT
DRAWN DESSINE <i>LJV</i>	SECT HD CHEF SECT
CHECKED VERIFIE <i>KMS</i>	DES MGR GEST CONCEPT
COORDINATION <i>SMS</i>	REVIEWED - REVU

DWG. NO. - DESSIN NO.
H-P44/1-9101-111

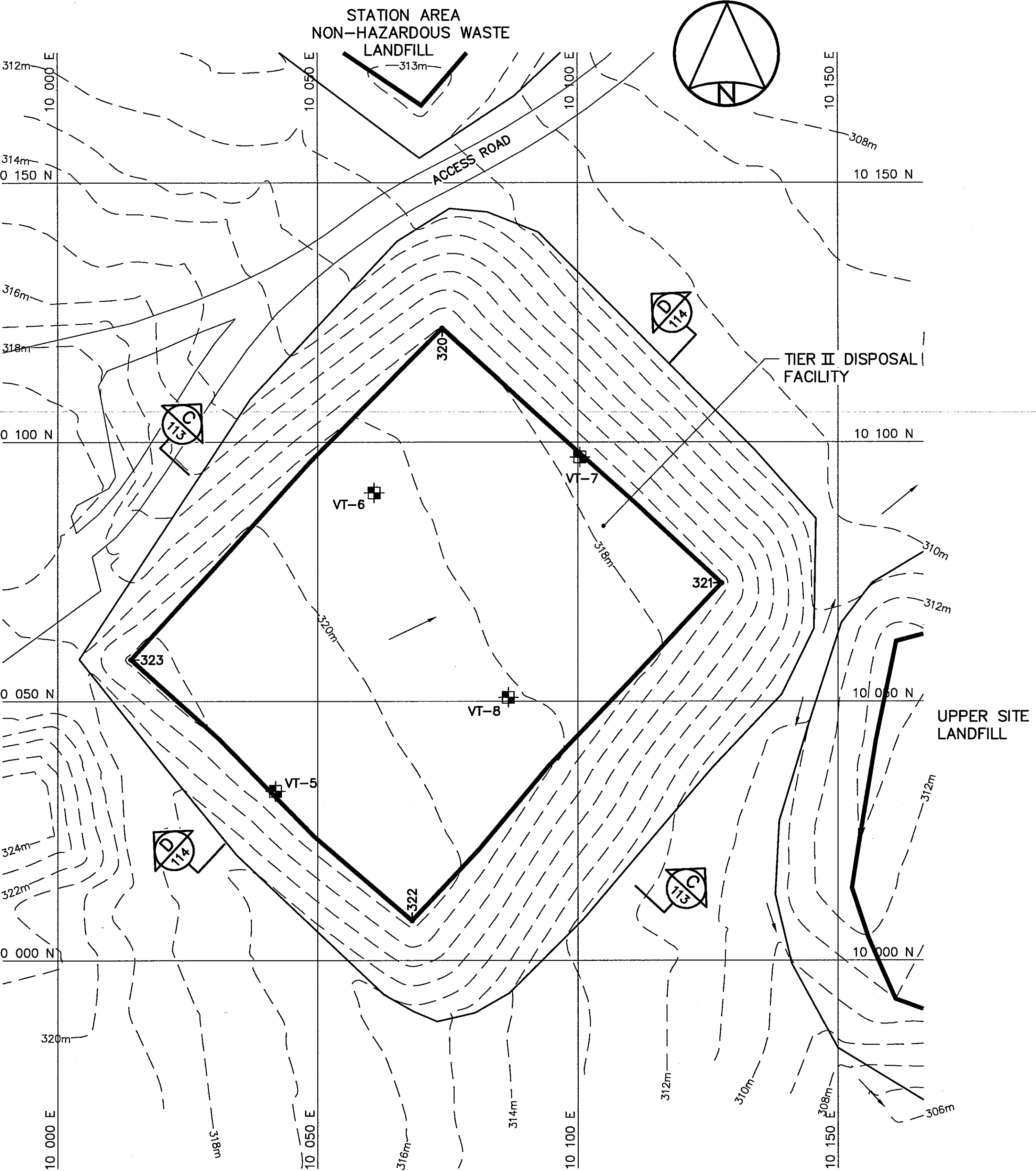
Canada



KEY TRENCH EXCAVATION PLAN

KEY TRENCH EXCAVATION (AS BUILT)		
NO.	COORDINATES	
	NORTHING	EASTING
301	10 120.1	10 074.0
302	10 074.2	10 125.9
303	10 010.8	10 068.0
304	10 057.8	10 017.4

NOTE:
CONTOURS SHOWN AS DASHED LINES
WERE GENERATED FROM SURVEY
INFORMATION AND REPRESENT FINISHED
GROUND SURFACE FOLLOWING
REGRAVING OR RESHAPING.



GRADING/INSTRUMENTATION PLAN

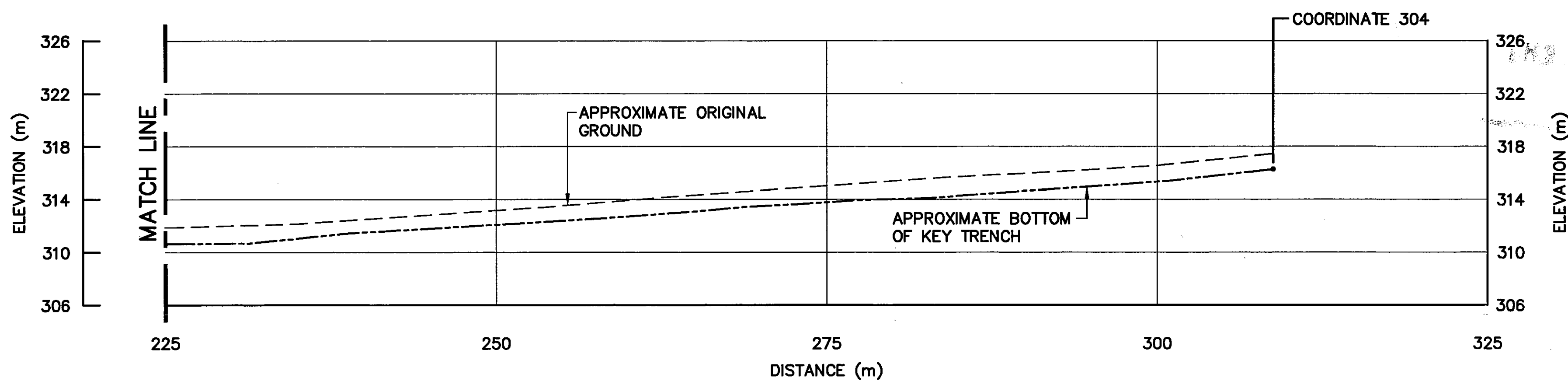
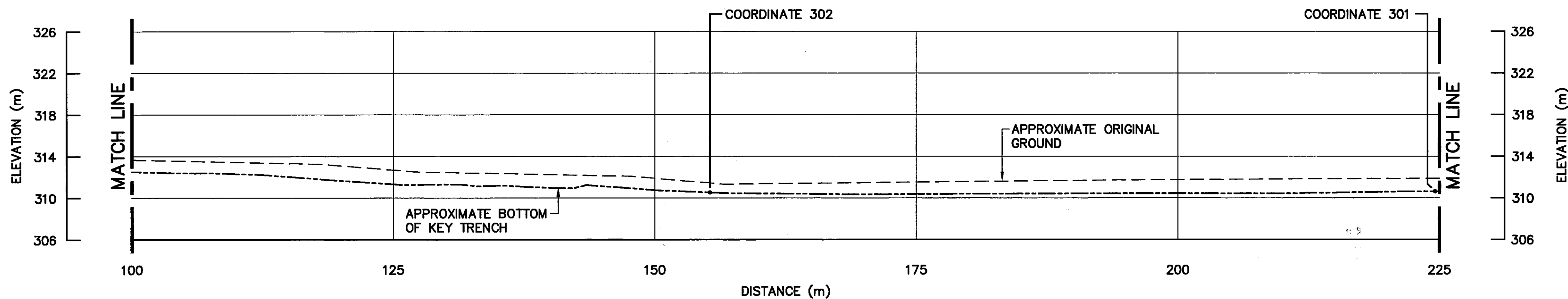
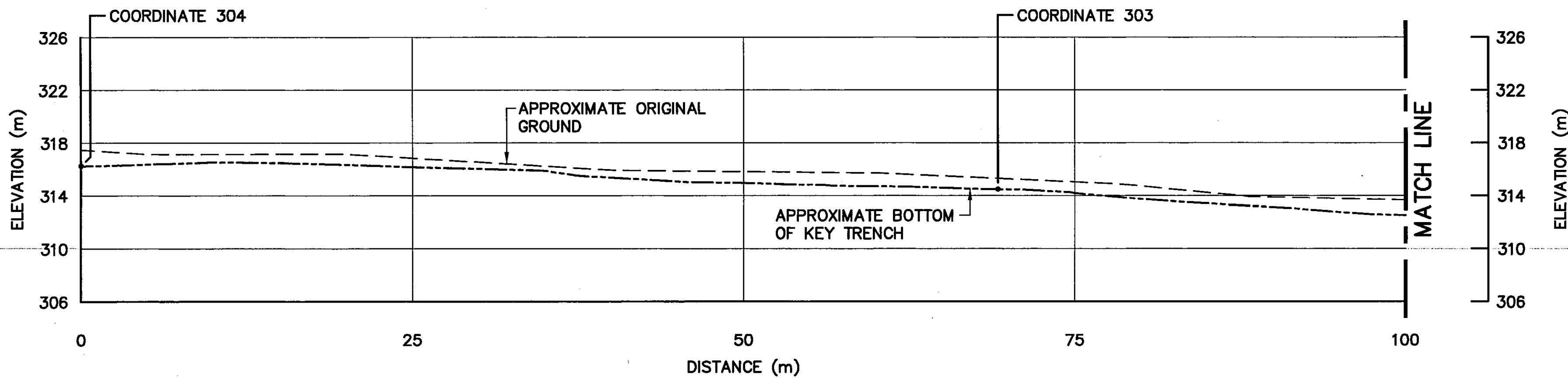
FINAL LANDFILL SURFACE (AS-BUILT)			
NO.	COORDINATES		ELEV.
	NORTHING	EASTING	
320	10 121.9	10 073.9	318.1
321	10 072.8	10 127.6	317.4
322	10 007.7	10 068.1	320.4
323	10 058.0	10 014.1	321.2

VERTICAL THERMISTORS (AS-BUILT)			
NO.	COORDINATES		ELEV.
	NORTHING	EASTING	
VT-5	10 032.7	10 041.9	320.9
VT-6	10 090.2	10 060.8	319.3
VT-7	10 097.1	10 100.4	317.8
VT-8	10 050.8	10 086.6	319.1

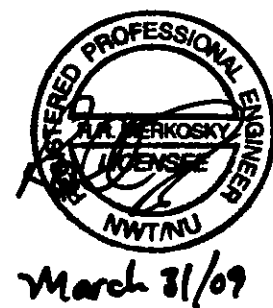
NOTE:
FOR TIER II DISPOSAL FACILITY
MONITORING WELL LOCATIONS,
SEE DWG. H-P44/1-9101-105.

General Notes:

1. ALL ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL.
2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
3. KEY TRENCH EXTENDS BELOW ORIGINAL GROUND TO SOUND BEDROCK OR SATURATED GROUND (DEPTH VARIES).



0	09-03-30	AS-BUILT DRAWING	RRM
No.	DATE	REVISION	APPR.



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SCALE - ECHELLE 5 2.5 0 5 10 15m

PROJECT - PROJET
CAM-4 PELLY BAY

DEW LINE CLEAN UP

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TRADE - METIER SITING DATE
2001-02-28

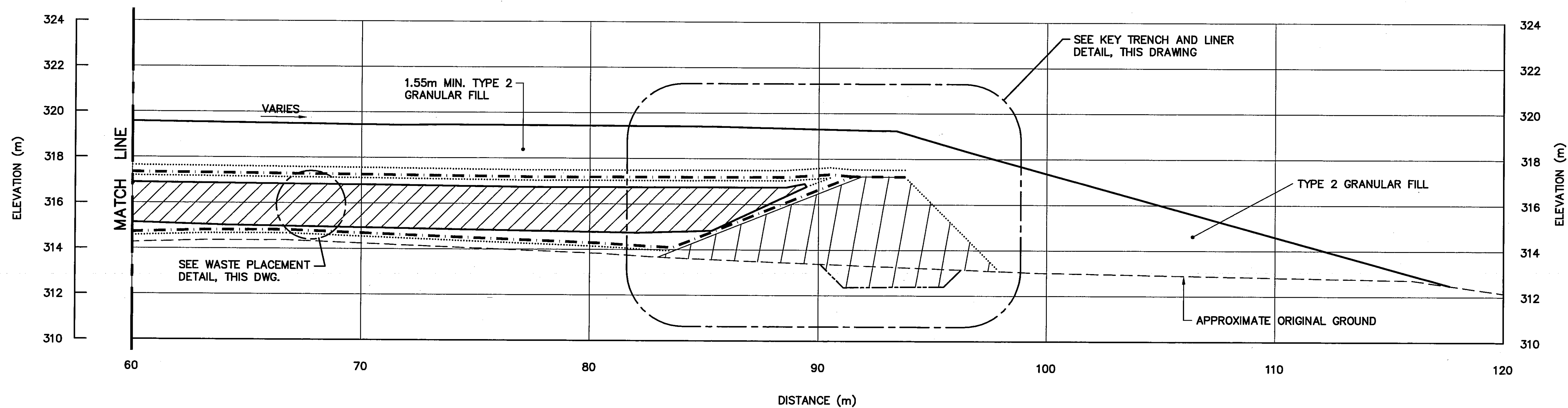
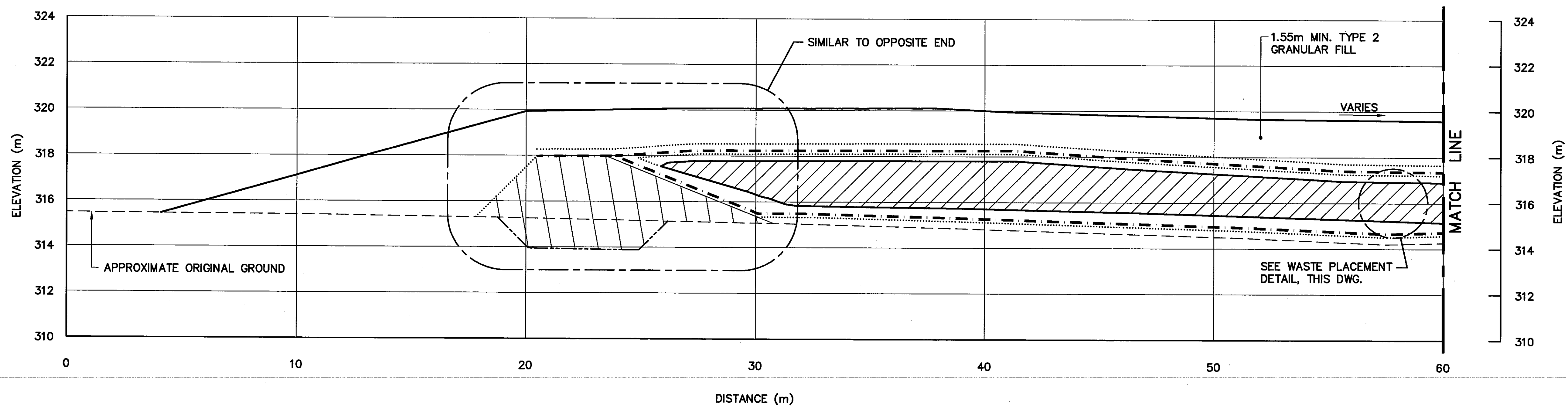
SUBJECT - SUJET

TIER II DISPOSAL FACILITY
KEY TRENCH CENTRELINE PROFILE

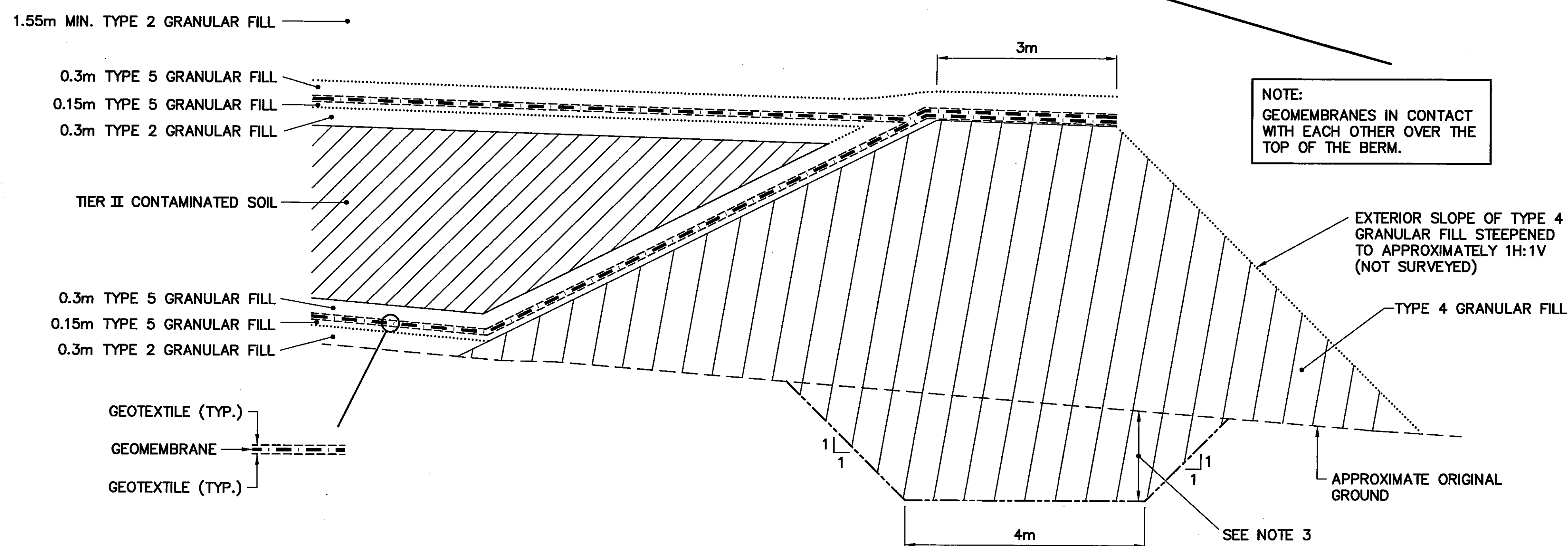
PRODUCTION		CONCURRENCE - ASSENTIMENT	
DESIGNED ETUDIE	TMS	DES OFF AGENT CONCEPT	
DRAWN DESSINE	LJV	SECT HD CHEF SECT	
CHECKED VERIFIE	KMS	DES MGR GEST CONCEPT	
COORDINATION	SMS	REVIEWED - REVU	

DWG. NO. - DESSIN NO.
H-P44/1-9101-112

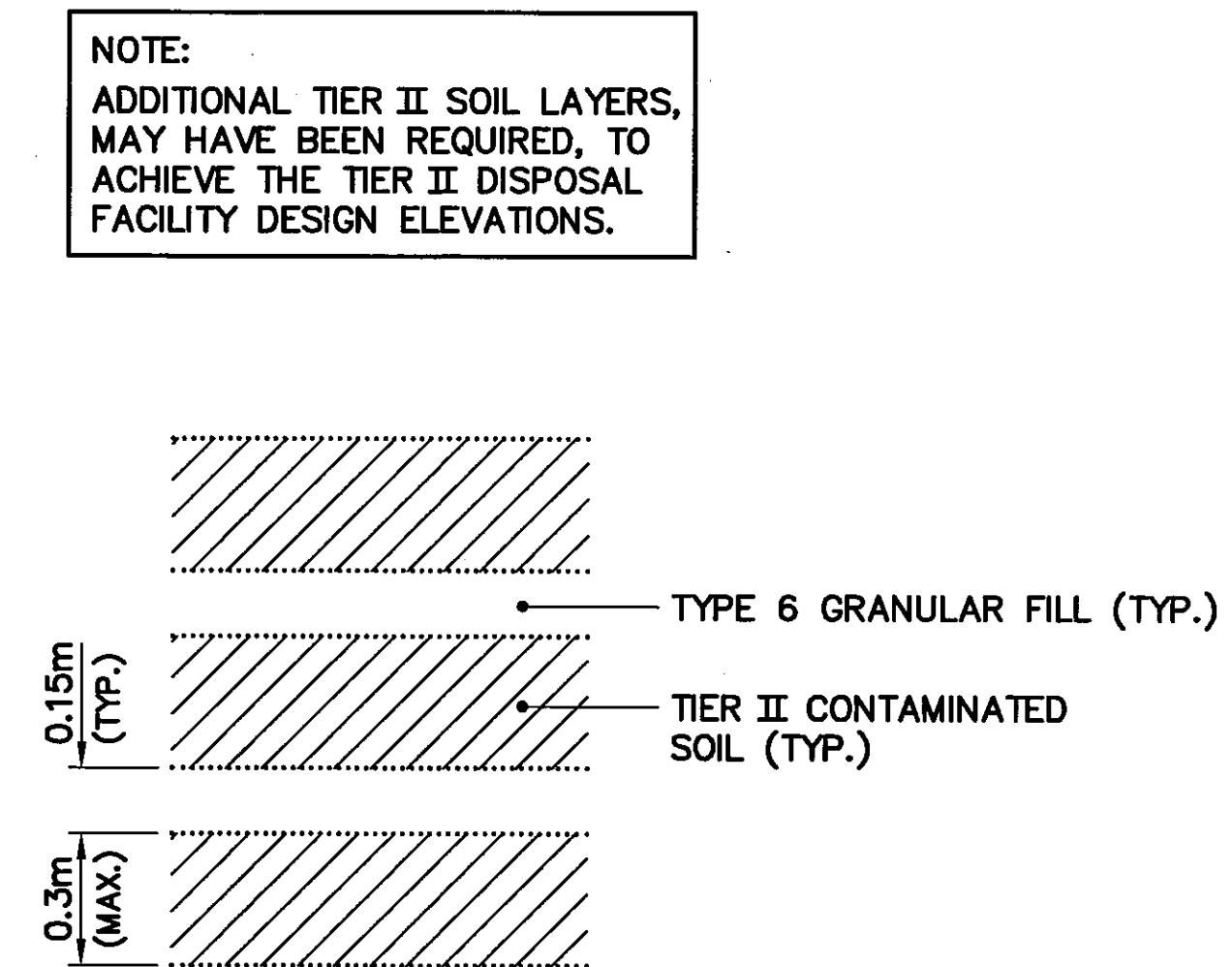
Canada



SECTION C
111



KEY TRENCH AND LINER DETAIL
SCALE: NTS



WASTE PLACEMENT DETAIL
SCALE: NTS

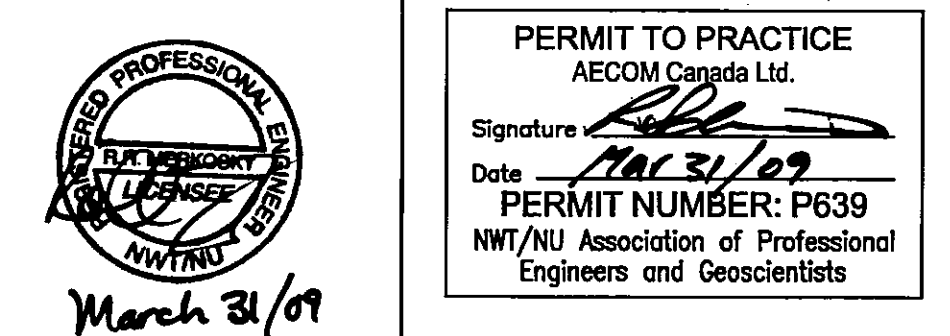
National Défense nationale

Headquarters
Quartier général

- General Notes:
1. ALL ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL.
 2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
 3. KEY TRENCH EXTENDS BELOW ORIGINAL GROUND TO SOUND BEDROCK OR SATURATED GROUND (DEPTH VARIES).

- Legend:
- GENERATED BASED ON AS-BUILT SURVEY INFORMATION
 - CONSTRUCTED AS PER DESIGN, NO AS-BUILT SURVEY INFORMATION

0	09-03-30	AS-BUILT DRAWING	RRM
No.	DATE	REVISION	APPR.



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SCALE - ECHILLE 2 1 0 2 4 6m

PROJECT - PROJET
CAM-4 PELLY BAY

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TRADE - METIER SITING DATE
2001-02-28

SUBJECT - SUJET
TIER II DISPOSAL FACILITY
CROSS SECTIONS
SHEET 1

PRODUCTION	CONCURRENCE - ASSENTIMENT
DESIGNED ETUDIE TMS	DES OFF AGENT CONCEPT
DRAWN DESSINE LJV	SECT HD CHEF SECT
CHECKED VERIFIE KMS	DES MGR GEST CONCEPT
COORDINATION SMS	REVIEWED - REVU

DWG. NO. - DESSIN NO.
H-P44/1-9101-113

Canada

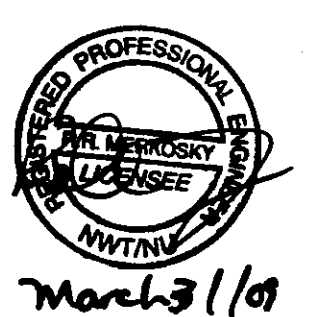
General Notes:

1. ALL ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL.
2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
3. KEY TRENCH EXTENDS BELOW ORIGINAL GROUND TO SOUND BEDROCK OR SATURATED GROUND (DEPTH VARIES).

Legend:

- GENERATED BASED ON AS-BUILT SURVEY INFORMATION
- CONSTRUCTED AS PER DESIGN, NO AS-BUILT SURVEY INFORMATION

0	09-03-30	AS-BUILT DRAWING	RRM
No.	DATE	REVISION	APPR.



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SCALE — ECHELLE 2 1 0 2 4 6m

PROJECT — PROJET
CAM-4 PELLY BAY

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TRADE — MÉTIER SITING DATE 2001-02-28

SUBJECT — SUJET

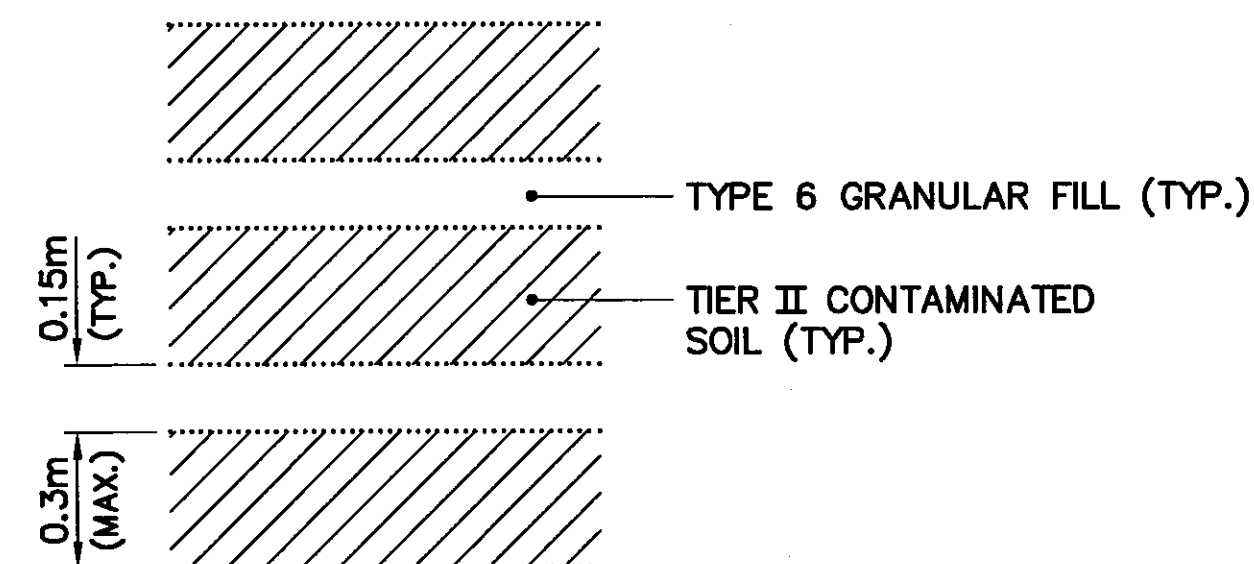
**TIER II DISPOSAL FACILITY
CROSS SECTIONS
SHEET 2**

PRODUCTION	CONCURRENCE — ASSENTIMENT
DESIGNED ETUDIE <i>TMS</i>	DES OFF AGENT CONCEPT
DRAWN DESSINE <i>LJV</i>	SECT HD CHEF SECT
CHECKED VÉRIFIÉ <i>KMS</i>	DES MGR GEST CONCEPT
COORDINATION <i>SMS</i>	REVIEWED — REVU

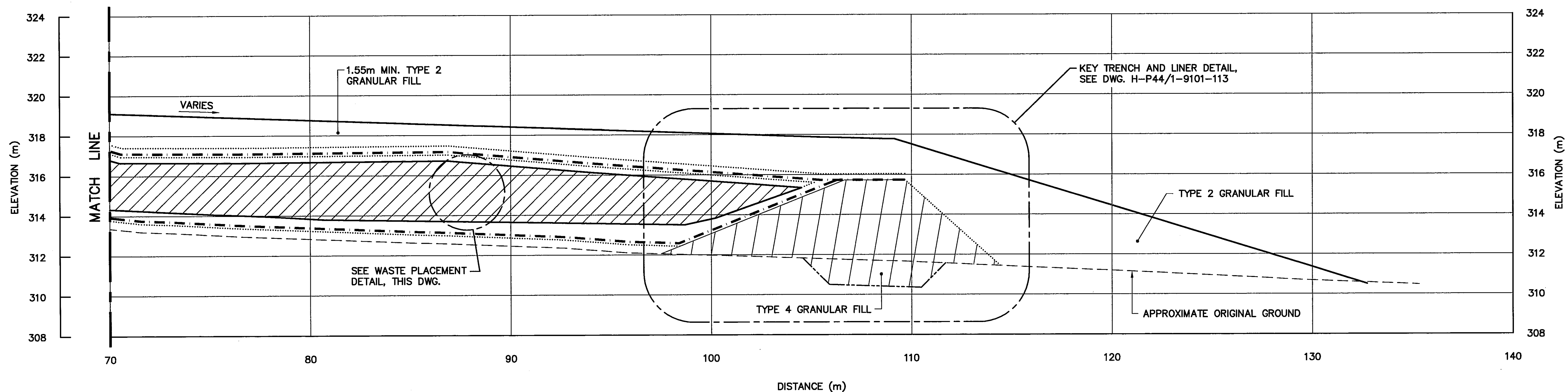
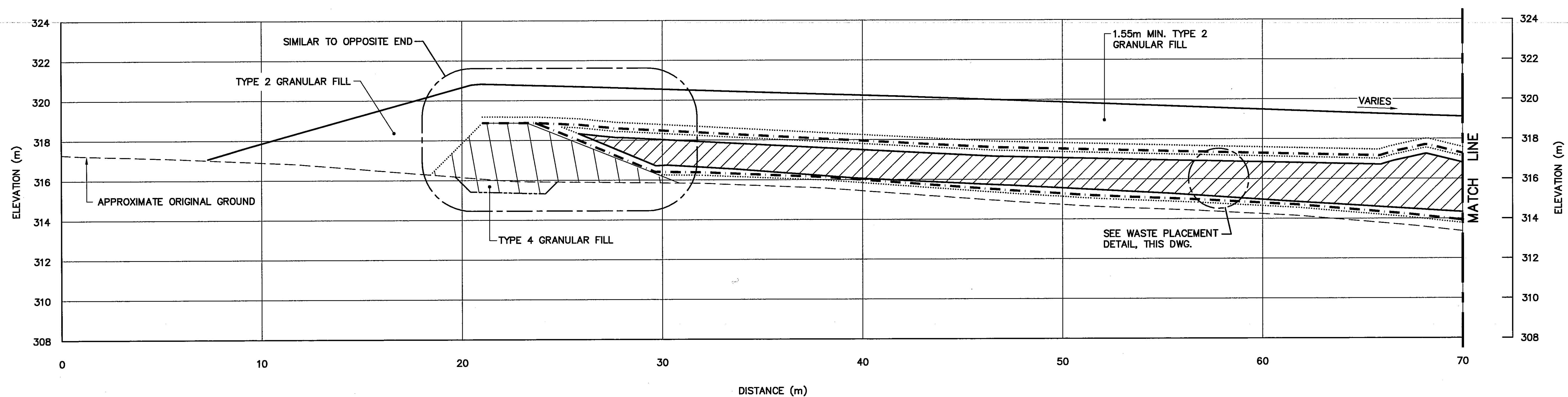
DWG. NO. — DESSIN NO.
H-P44/1-9101-114

Canada

NOTE:
ADDITIONAL TIER II SOIL LAYERS,
MAY HAVE BEEN REQUIRED, TO
ACHIEVE THE TIER II DISPOSAL
FACILITY DESIGN ELEVATIONS.

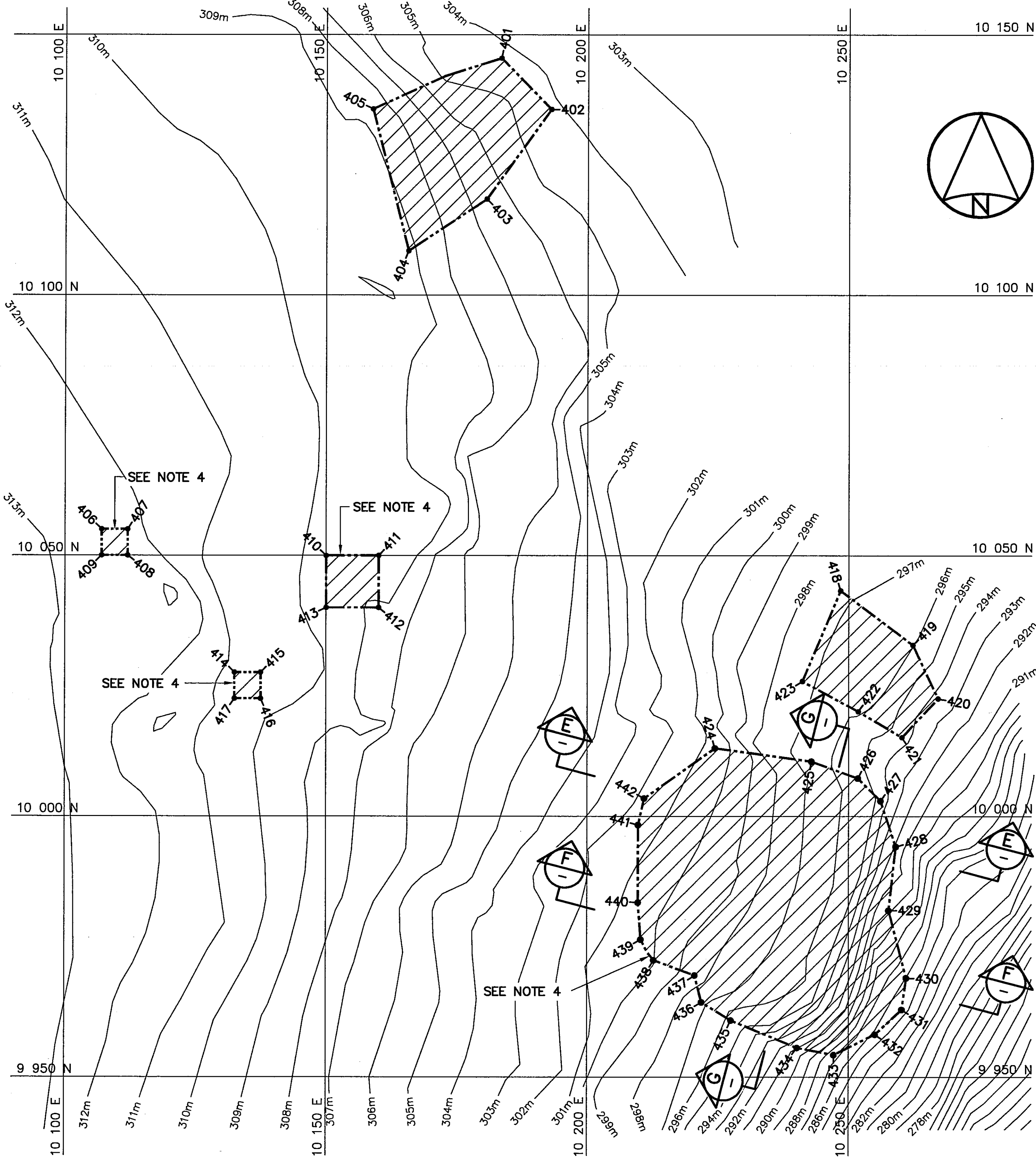


WASTE PLACEMENT DETAIL
SCALE: NTS

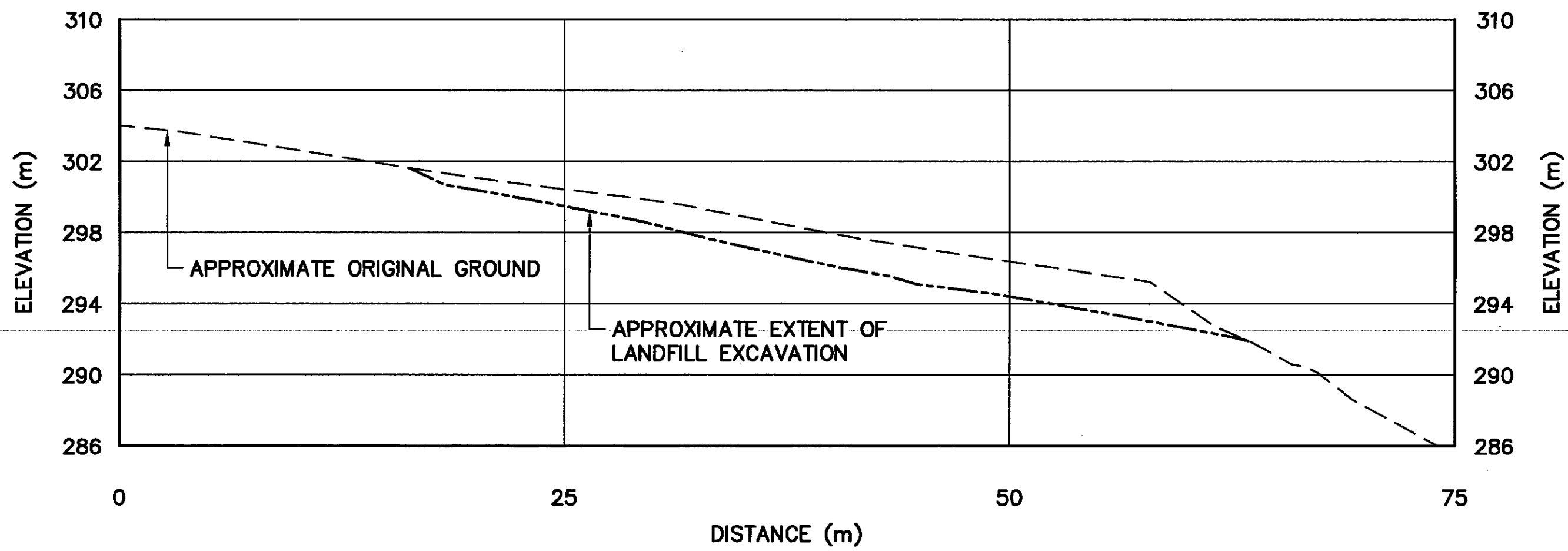
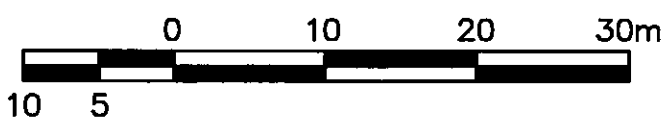


SECTION **D**
111

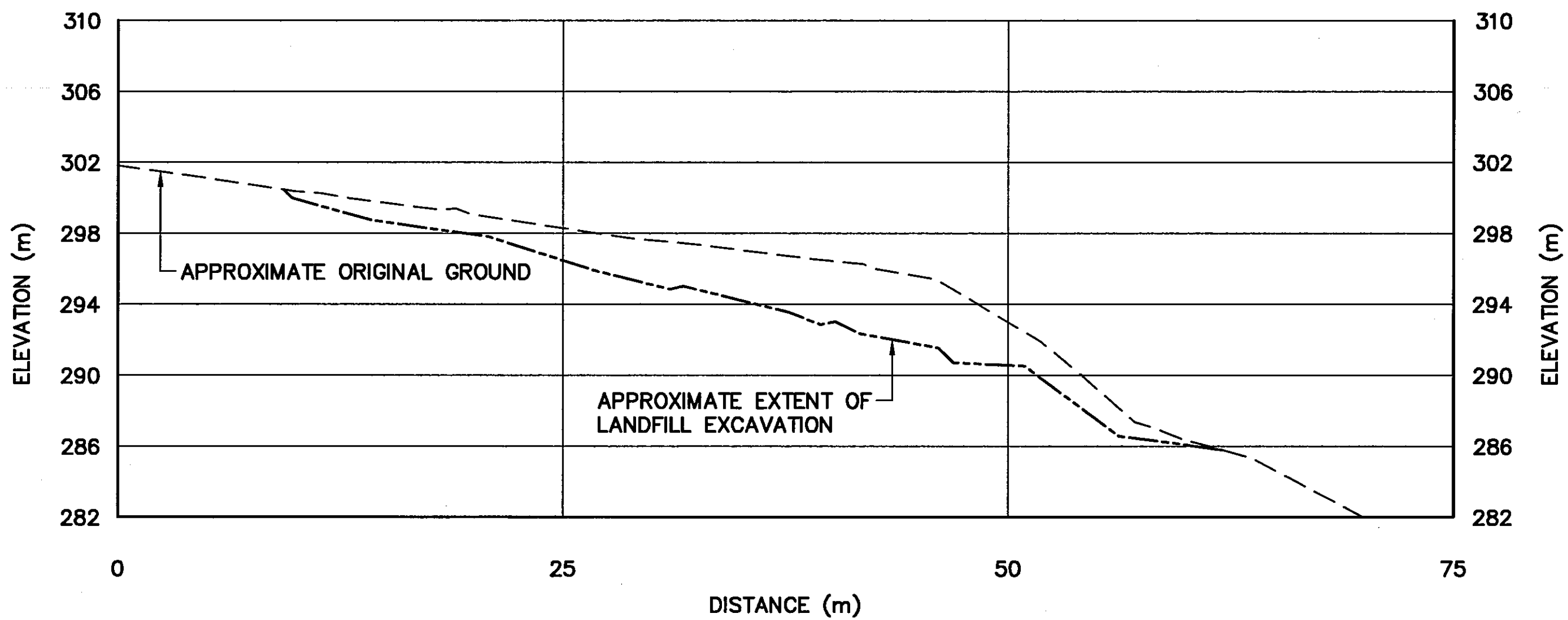
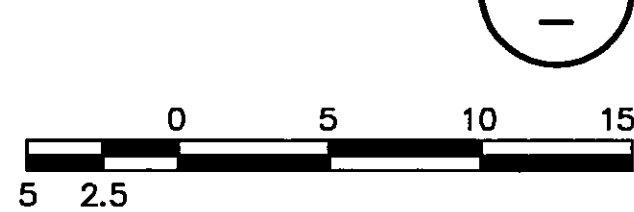
UPPER SITE LANDFILL EXCAVATION (AS-BUILT)					
NO.	COORDINATES		NO.	COORDINATES	
	NORTHING	EASTING		NORTHING	EASTING
401	10 145.5	10 183.4	422	10 020.1	10 251.9
402	10 135.6	10 193.0	423	10 025.9	10 241.2
403	10 118.4	10 180.6	424	10 013.0	10 224.4
404	10 108.5	10 165.6	425	10 010.5	10 242.9
405	10 135.7	10 158.8	426	10 007.3	10 251.8
406	10 055.0	10 107.0	427	10 003.0	10 256.1
407	10 055.0	10 112.0	428	9 994.2	10 259.0
408	10 050.0	10 112.0	429	9 982.0	10 257.6
409	10 050.0	10 107.0	430	9 969.0	10 261.0
410	10 050.0	10 150.0	431	9 962.9	10 260.1
411	10 050.0	10 160.0	432	9 958.2	10 255.0
412	10 040.0	10 160.0	433	9 954.3	10 247.2
413	10 040.0	10 150.0	434	9 955.6	10 240.1
414	10 027.5	10 132.5	435	9 960.9	10 227.5
415	10 027.5	10 137.5	436	9 964.3	10 221.8
416	10 022.5	10 137.5	437	9 969.5	10 220.5
417	10 022.5	10 132.5	438	9 972.4	10 212.7
418	10 043.3	10 248.5	439	9 976.4	10 210.2
419	10 032.8	10 262.3	440	9 983.5	10 209.7
420	10 022.5	10 267.1	441	9 998.3	10 209.7
421	10 015.1	10 260.2	442	10 003.4	10 210.9



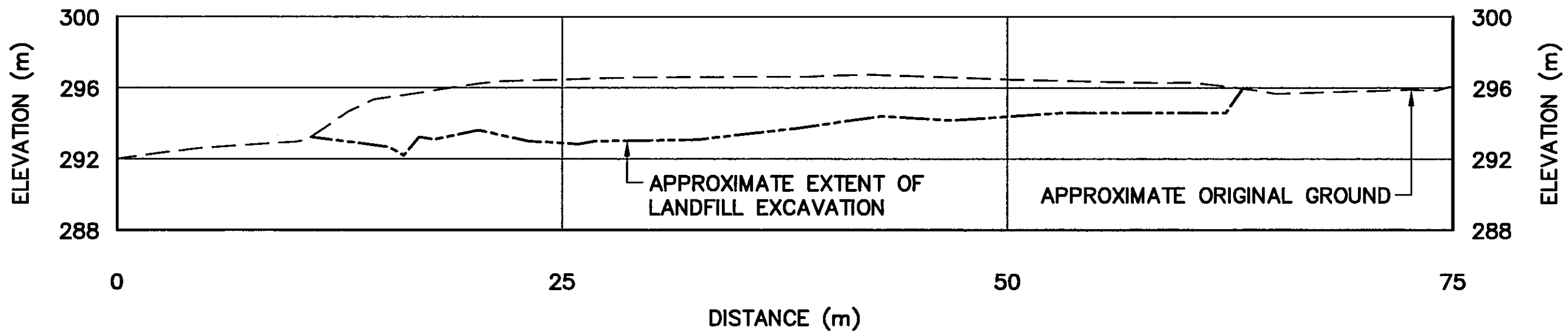
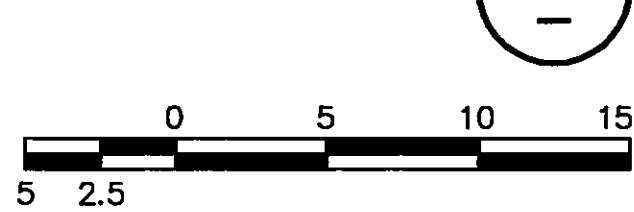
PLAN



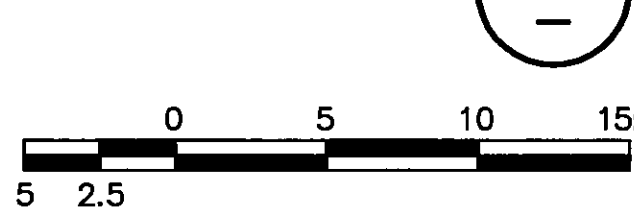
SECTION E



SECTION F





SECTION G



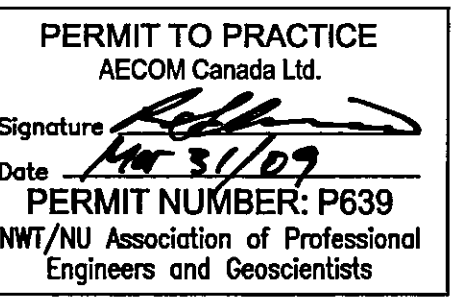
General Notes:

1. ALL ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL.
2. HORIZONTAL CONTROL REFERENCED TO SURVEY CONTROL MONUMENTS.
3. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
4. LIMIT OF SECONDARY EXCAVATION WAS FIELD VERIFIED BY CONFIRMATORY TESTING OF CONTAMINATED SOIL, GEOPHYSICAL SURVEYS AND TEST EXCAVATIONS AT THE LANDFILL PERIMETER AND AT DEPTH.

Legend:

-  COORDINATE POINT
-  LANDFILL OR BURIED DEBRIS EXCAVATION AREA

0	09-03-30	AS-BUILT DRAWING	RAM
No.	DATE	REVISION	REVISION
			APPR.



UMA | AECOM



SCALE - ECHELLE AS SHOWN

PROJECT - PROJET
CAM-4 PELLY BAY

DEW LINE CLEAN UP

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TRADE - METIER	SITING	DATE
SUBJECT - SUJET		2001-02-28

UPPER SITE LANDFILL
EXCAVATION PLAN & CROSS SECTIONS

PRODUCTION		CONCURRENCE - ASSENTMENT	
DESIGNED ETUDIÉ	TMS	DES OFF AGENT CONCEPT	
DRAWN DESSINÉ	LJV	SECT HD CHIEF SECT	
CHECKED VÉRIFIÉ	KMS	DES MGR GEST CONCEPT	
COORDINATION	TMS	REVIEWED - REVU	

DWG. NO. - DESSIN NO.
H-P44/1-9101-115

Canada

General Notes:

1. ALL ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL.
2. HORIZONTAL CONTROL REFERENCED TO SURVEY CONTROL MONUMENTS.
3. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
4. FOR VERTICAL THERMISTOR INSTALLATION DETAILS, SEE DWG. H-P44/1-9101-134.
5. KEY TRENCH EXTENDS BELOW ORIGINAL GROUND TO SOUND BEDROCK OR SATURATED GROUND (DEPTH VARIES). SEE DWG. H-P44/1-9101-117.

Legend:

- 501 COORDINATE POINT
- VT VERTICAL THERMISTOR INSTALLATION (4)
- LANDFILL OR BURIED DEBRIS EXCAVATION AREA

0	09-03-30	AS-BUILT DRAWING	RRM
No.	DATE	REVISION	APPR.

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AECOM Canada Ltd.
Signature: *[Signature]*
Date: *Mar 31/09*
PERMIT NUMBER: P639
NW/NU Association of Professional Engineers and Geoscientists

UMA | AECOM | **HATCH**

SCALE - ECHELLE 10 5 0 10 20 30m

PROJECT - PROJET
CAM-4 PELLY BAY

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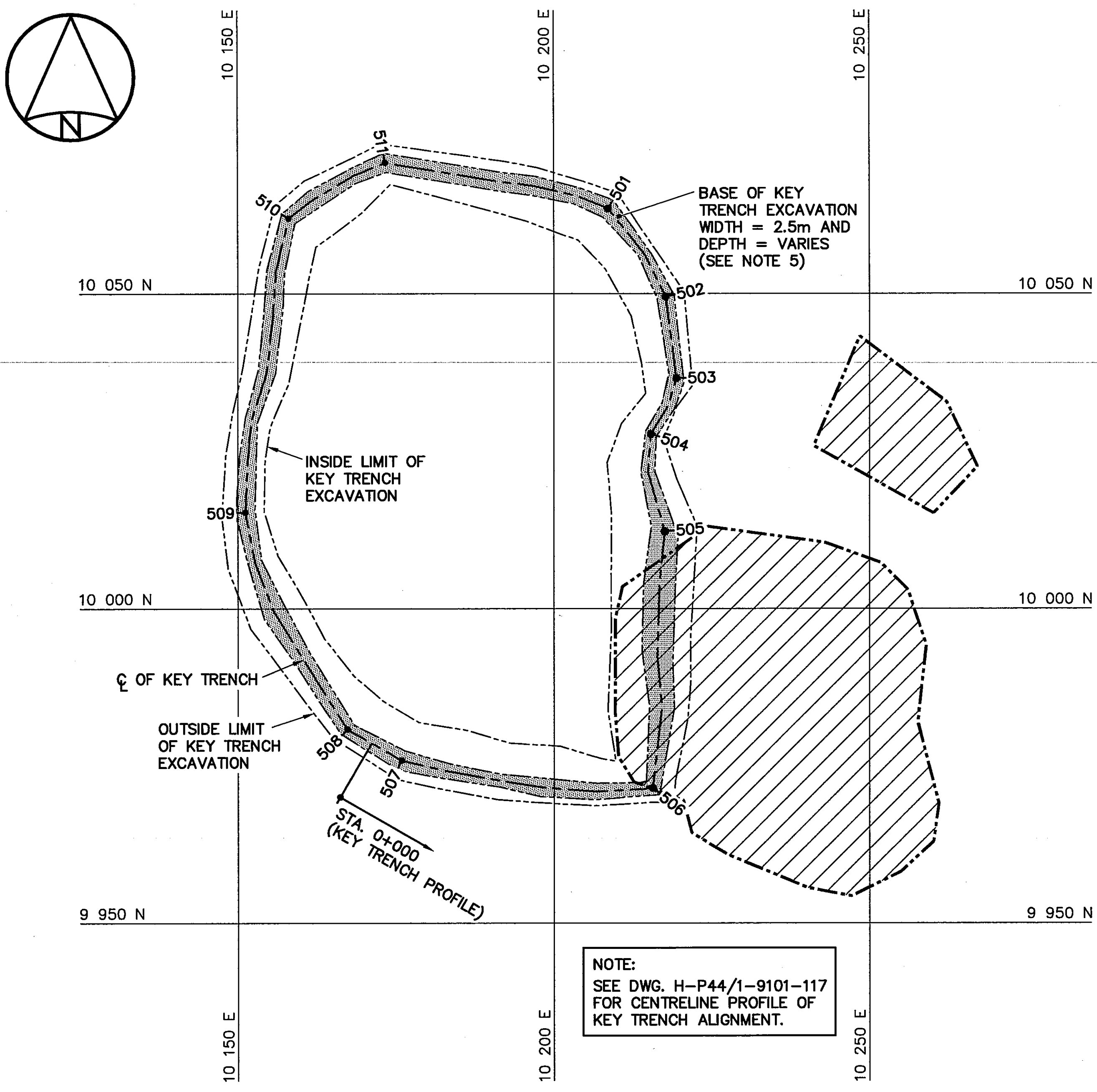
TRADE - METIER SITING DATE
2001-02-28

SUBJECT - SUJET
**UPPER SITE LANDFILL
KEY TRENCH EXCAVATION PLAN &
GRADING/INSTRUMENTATION PLAN**

PRODUCTION	CONCURRENCE - ASSENTIMENT	
DESIGNED ETUDIE <i>TMS</i>	DES OFF AGENT CONCEPT	
DRAWN DESSINE <i>LJV</i>	SECT HD CHEF SECT	
CHECKED VERIFIE <i>KMS</i>	DES MGR GEST CONCEPT	
COORDINATION <i>SMS</i>	REVIEWED - REVU	

DWG. NO. - DESSIN NO.
H-P44/1-9101-116

Canada

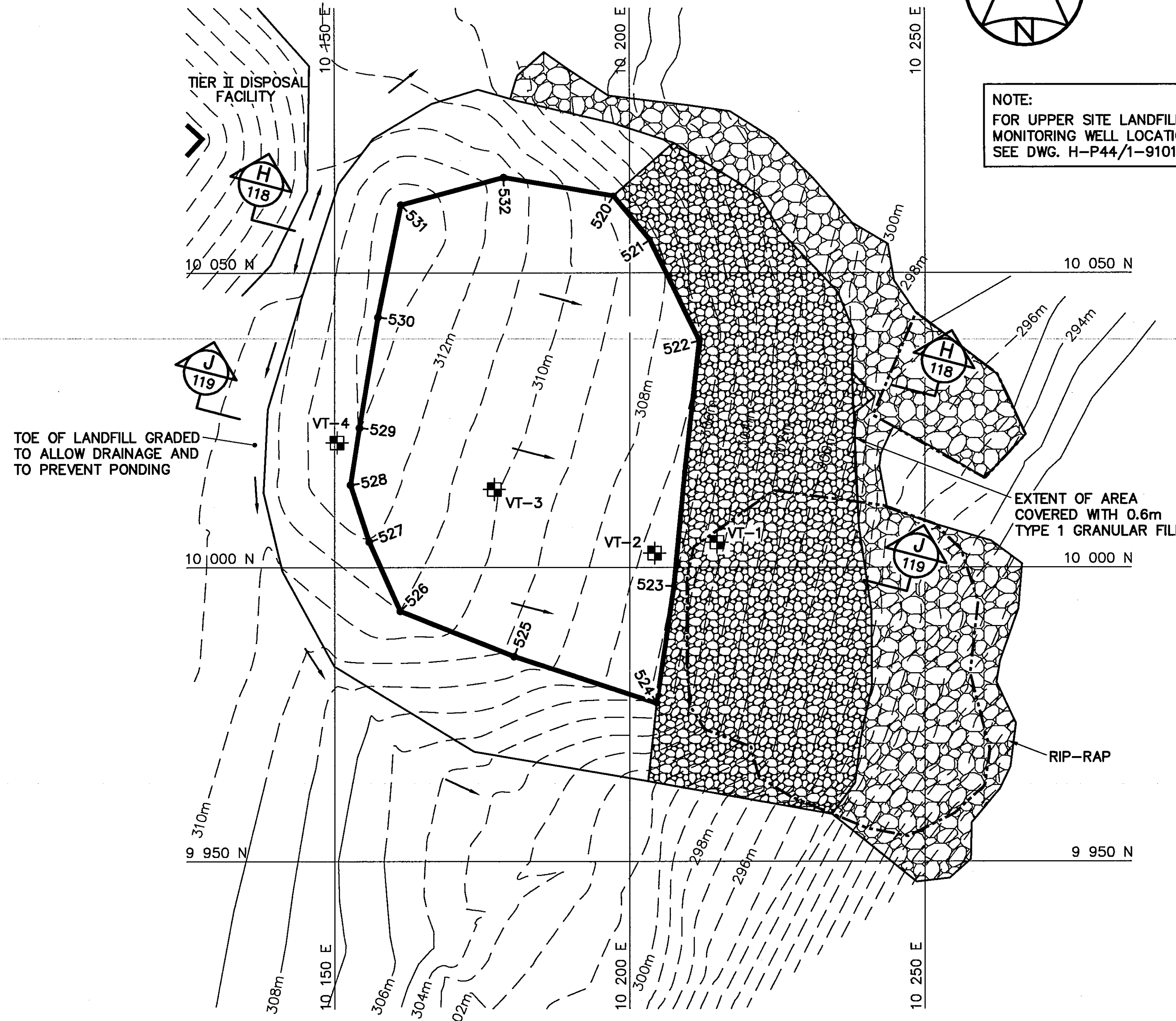


KEY TRENCH EXCAVATION PLAN

KEY TRENCH EXCAVATION (AS BUILT)		
NO.	COORDINATES	
	NORTHING	EASTING
501	10 063.5	10 208.6
502	10 049.5	10 217.7
503	10 036.6	10 219.4
504	10 027.7	10 215.4
505	10 012.3	10 217.6
506	9 971.5	10 215.7
507	9 975.9	10 175.9
508	9 980.8	10 167.4
509	10 015.3	10 151.2
510	10 062.0	10 158.1
511	10 070.8	10 173.4

VERTICAL THERMISTORS (AS-BUILT)			
NO.	COORDINATES		ELEV.
	NORTHING	EASTING	
VT-1	10 004.3	10 214.8	304.4
VT-2	10 002.4	10 204.2	306.7
VT-3	10 013.3	10 177.1	310.1
VT-4	10 021.2	10 150.4	312.8

NOTE:
CONTOURS SHOWN AS DASHED LINES
WERE GENERATED FROM SURVEY
INFORMATION AND REPRESENT FINISHED
GROUND SURFACE FOLLOWING
REGRAVING OR RESHAPING.

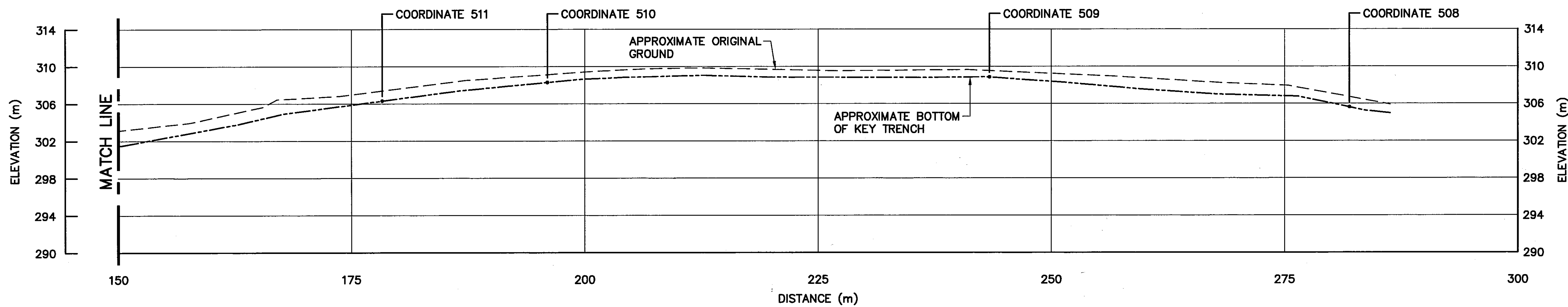
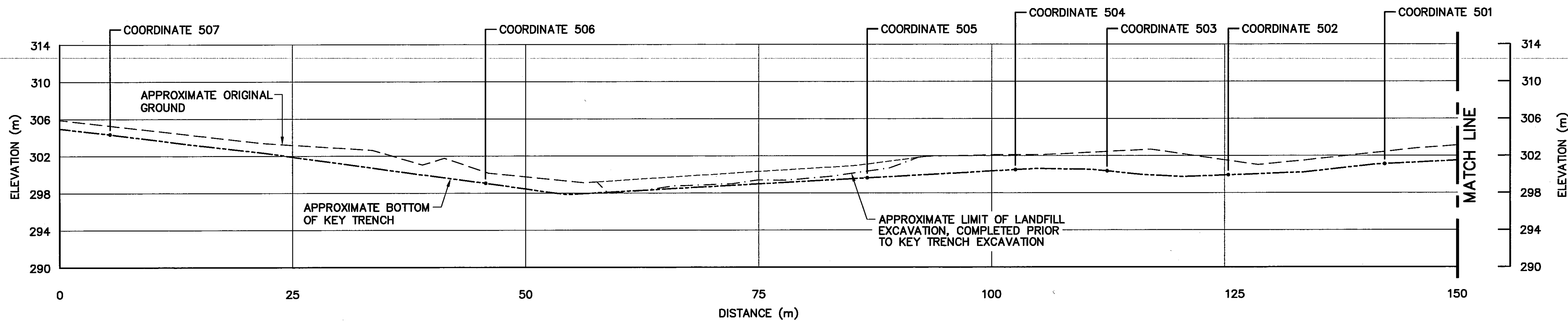


GRADING/INSTRUMENTATION PLAN

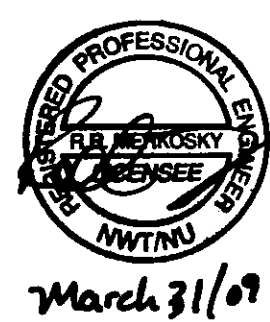
FINAL LANDFILL SURFACE (AS-BUILT)			
NO.	COORDINATES		ELEV.
	NORTHING	EASTING	
520	10 063.1	10 197.2	308.8
521	10 055.6	10 203.4	308.4
522	10 038.5	10 211.8	307.2
523	9 996.8	10 207.5	306.0
524	9 976.9	10 204.6	305.8
525	9 984.9	10 180.4	308.8
526	9 992.5	10 161.1	311.0
527	10 004.3	10 155.9	311.9
528	10 014.0	10 152.7	312.9
529	10 023.7	10 154.2	313.0
530	10 042.5	10 157.3	313.4
531	10 061.5	10 161.2	313.8
532	10 066.2	10 178.7	311.6

General Notes:

1. ALL ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL.
2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
3. KEY TRENCH EXTENDS BELOW ORIGINAL GROUND TO SOUND BEDROCK OR SATURATED GROUND (DEPTH VARIES).



0	09-03-30	AS-BUILT DRAWING	RAM
No.	DATE	REVISION	REVISION
			APPR.



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Date: *March 31/09*
PERMIT NUMBER: P639
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UMA | AECOM | **HATCH**

SCALE - ECHELLE 5 2.5 0 5 10 15m

PROJECT - PROJET
CAM-4 PELLY BAY

DEW LINE CLEAN UP

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TRADE - METIER SITING DATE
2001-02-28

SUBJECT - SUJET

**UPPER SITE LANDFILL
KEY TRENCH CENTRELINE PROFILE**

PRODUCTION		CONCURRENCE - ASSENTIMENT	
DESIGNED ETUDIE	<i>TMS</i>	DES OFF AGENT CONCEPT	
DRAWN DESSINE	<i>LJV</i>	SECT HD CHEF SECT	
CHECKED VERIFIE	<i>KMS</i>	DES MGR GEST CONCEPT	
COORDINATION <i>SMS</i>		REVIEWED - REVU	

DWG. NO. - DESSIN NO.
H-P44/1-9101-117

Canada

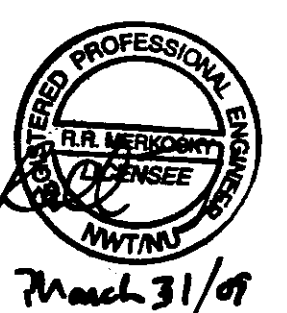
General Notes:

1. ALL ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL.
2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
3. KEY TRENCH EXTENDS BELOW ORIGINAL GROUND TO SOUND BEDROCK OR SATURATED GROUND (DEPTH VARIES).

Legend:

- GENERATED BASED ON AS-BUILT SURVEY INFORMATION
- CONSTRUCTED AS PER DESIGN, NO AS-BUILT SURVEY INFORMATION

0	09-03-30	AS-BUILT DRAWING	RAM
No.	DATE	REVISION	REVISION
			APPR.



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Signature: *[Signature]*
Date: *Mar 31/09*
PERMIT NUMBER: P639
NWT/NU Association of Professional Engineers and Geoscientists

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SCALE - ECHELLE 2 1 0 2 4 6m

PROJECT - PROJET
CAM-4 PELLY BAY

DEW LINE CLEAN UP

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TRADE - METIER SITING DATE 2001-02-28

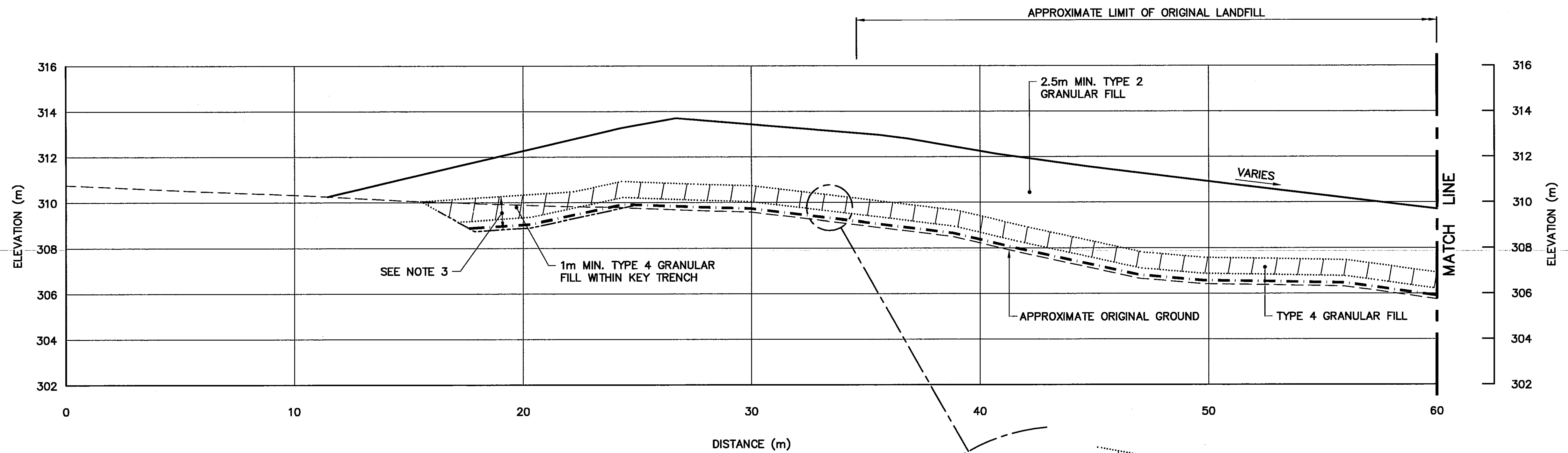
SUBJECT - SUJET

**UPPER SITE LANDFILL
CROSS SECTIONS
SHEET 1**

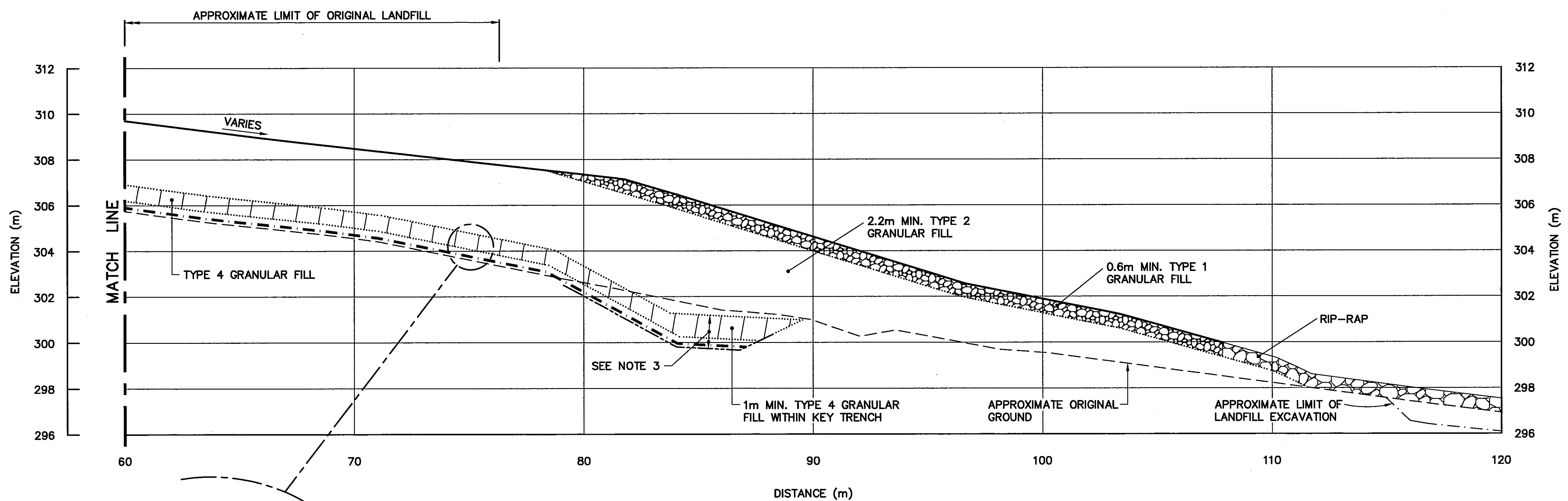
PRODUCTION	CONCURRENCE - ASSENTIMENT
DESIGNED ETUDIE	DES OFF AGENT CONCEPT
DRAWN DESSINE	SECT HD CHEF SECT
CHECKED VERIFIE	DES MGR GEST CONCEPT
COORDINATION	REVIEWED - REVU

DWG. NO. - DESSIN NO.
H-P44/1-9101-118

Canada



0.3m TYPE 5
GRANULAR FILL
GEOMEMBRANE
GEOTEXTILE ABOVE AND
BELOW GEOMEMBRANE
0.7m TYPE 4
GRANULAR FILL
0.15m TYPE 5
GRANULAR FILL



0.3m TYPE 5
GRANULAR FILL
GEOMEMBRANE
GEOTEXTILE ABOVE AND
BELOW GEOMEMBRANE
0.7m TYPE 4
GRANULAR FILL
0.15m TYPE 5
GRANULAR FILL

SECTION **H**
116

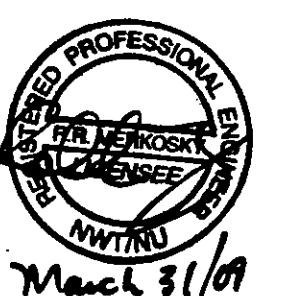
General Notes:

1. ALL ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL.
2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
3. APPROXIMATE LIMIT OF ORIGINAL LANDFILL FOLLOWING LANDFILL EXCAVATION.
4. KEY TRENCH EXTENDS BELOW ORIGINAL GROUND TO SOUND BEDROCK OR SATURATED GROUND (DEPTH VARIES).

Legend:

- GENERATED BASED ON AS-BUILT SURVEY INFORMATION
- CONSTRUCTED AS PER DESIGN, NO AS-BUILT SURVEY INFORMATION

0	09-03-30	AS-BUILT DRAWING	RAM
No.	DATE	REVISION	REVISION
			APPR.



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Date: *March 31/09*
PERMIT NUMBER: P639
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SCALE - ECHELLE: 2 1 0 2 4 6m

PROJECT - PROJET
CAM-4 PELLY BAY

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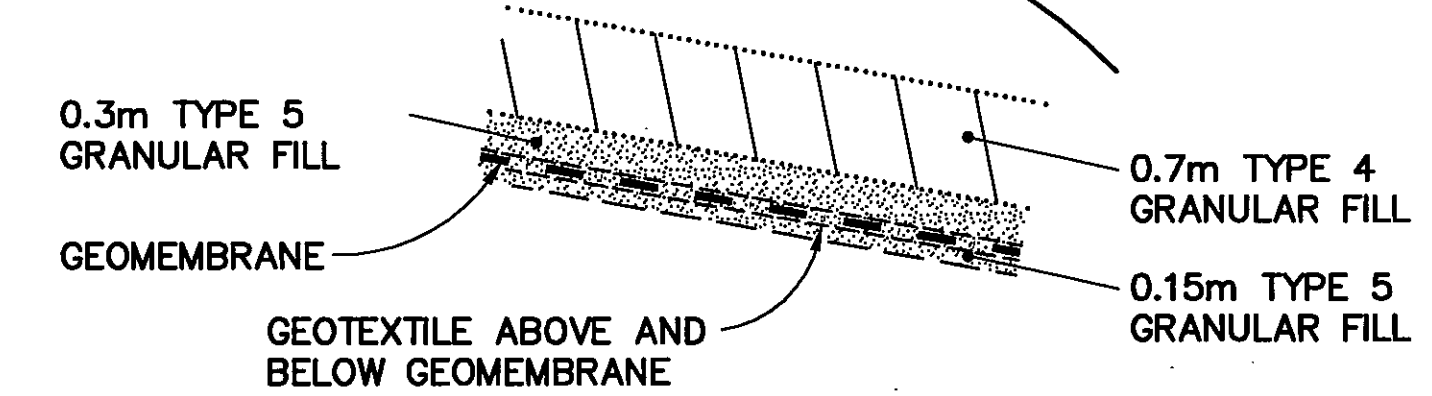
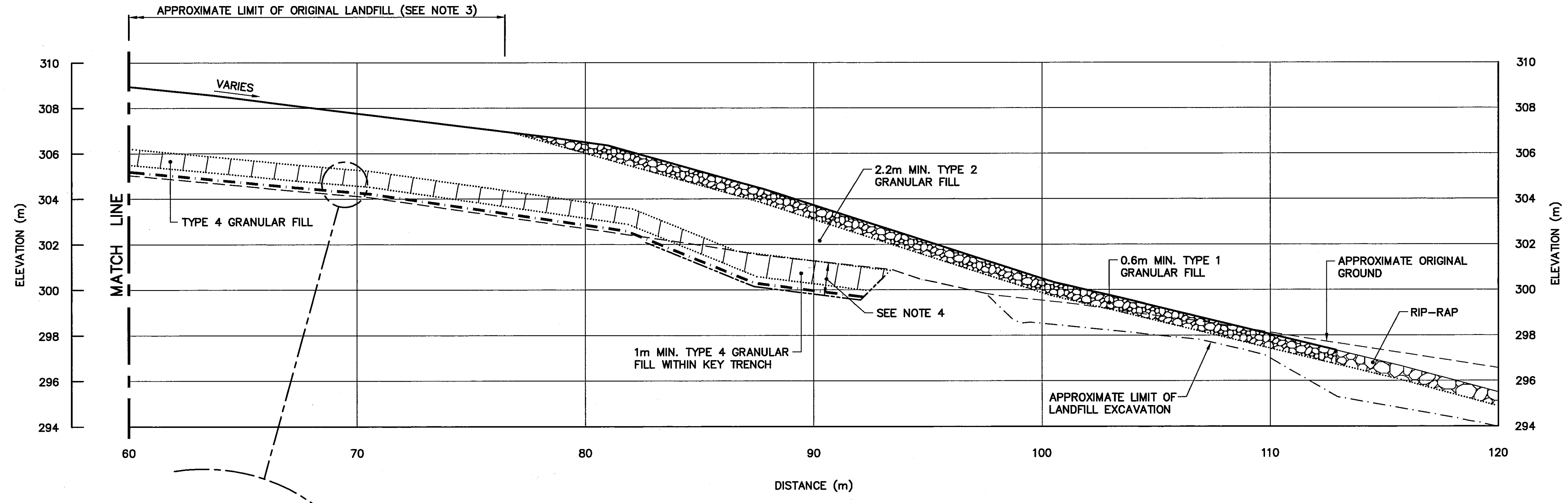
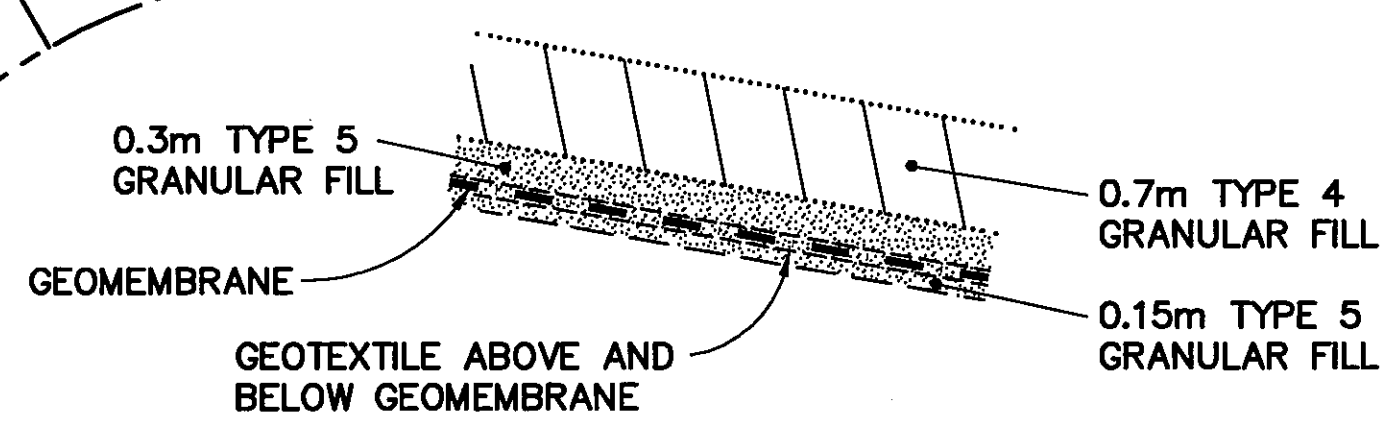
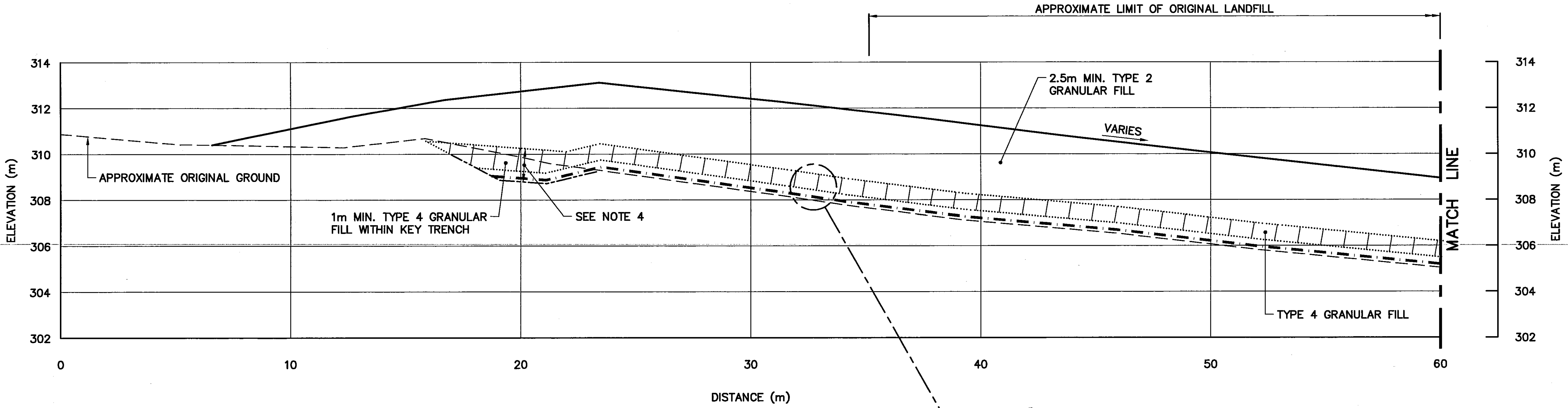
TRADE - METIER: SITING DATE: 2001-02-28

SUBJECT - SUJET
UPPER SITE LANDFILL CROSS SECTIONS SHEET 2

PRODUCTION	CONCURRENCE - ASSENTIMENT
DESIGNED ETUDIE: <i>TMS</i>	DES OFF AGENT CONCEPT
DRAWN DESSINE: <i>LJV</i>	SECT HD CHEF SECT
CHECKED VERIFIE: <i>KMS</i>	DES MGR GEST CONCEPT
COORDINATION <i>SMS</i>	REVIEWED - REVU

DWG. NO. - DESSIN NO.
H-P44/1-9101-119

Canada



SECTION J
116

General Notes:

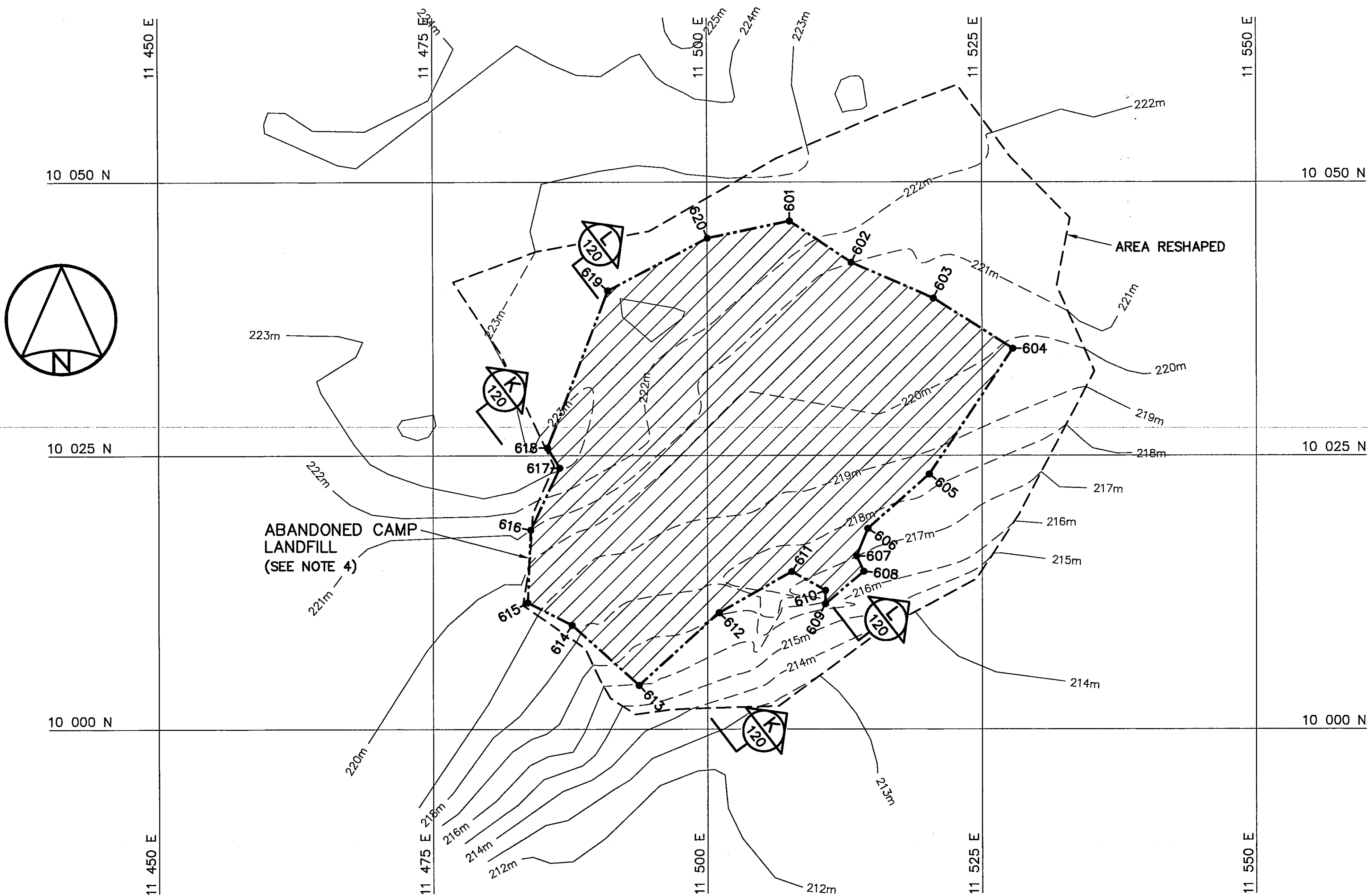
1. ALL ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL.
2. HORIZONTAL CONTROL REFERENCED TO SURVEY CONTROL MONUMENTS.
3. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
4. LIMIT OF SECONDARY EXCAVATION WAS FIELD VERIFIED BY CONFIRMATORY TESTING OF CONTAMINATED SOIL, GEOPHYSICAL SURVEYS AND TEST EXCAVATIONS AT THE LANDFILL PERIMETER AND AT DEPTH.

Legend:

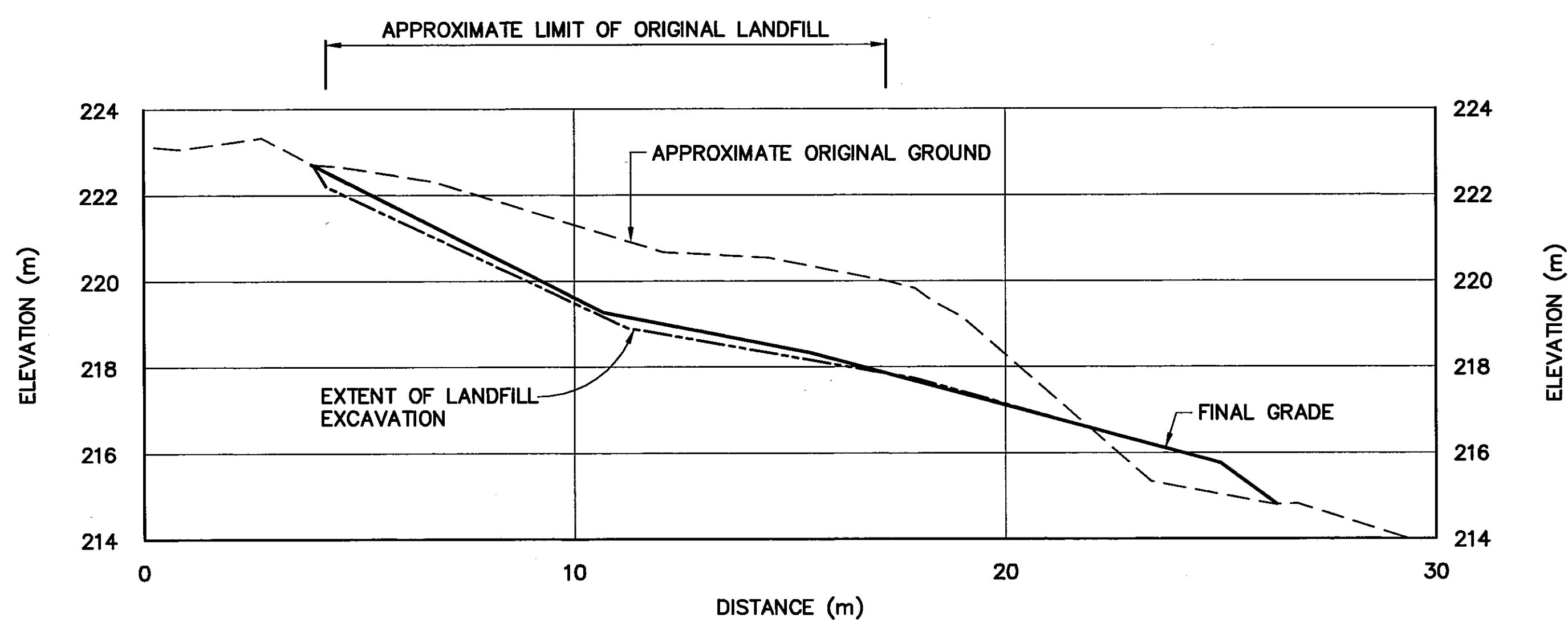
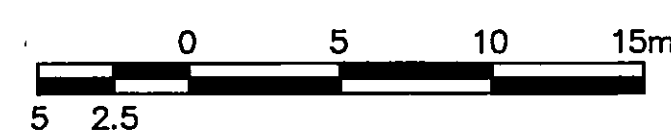
- 601 COORDINATE POINT
- ▨ LANDFILL OR BURIED DEBRIS EXCAVATION AREA

ABANDONED CAMP LANDFILL EXCAVATION (AS-BUILT)		
NO.	COORDINATES	
	NORTHING	EASTING
601	10 046.4	11 507.5
602	10 042.6	11 513.1
603	10 039.4	11 520.6
604	10 034.8	11 527.8
605	10 023.3	11 520.2
606	10 018.3	11 514.6
607	10 015.8	11 513.6
608	10 014.4	11 514.2
609	10 011.5	11 510.7
610	10 012.7	11 510.7
611	10 014.4	11 507.7
612	10 010.6	11 501.1
613	10 004.0	11 493.7
614	10 009.5	11 487.6
615	10 011.6	11 483.6
616	10 018.2	11 483.9
617	10 023.9	11 486.5
618	10 025.7	11 485.4
619	10 040.1	11 490.9
620	10 044.9	11 500.0

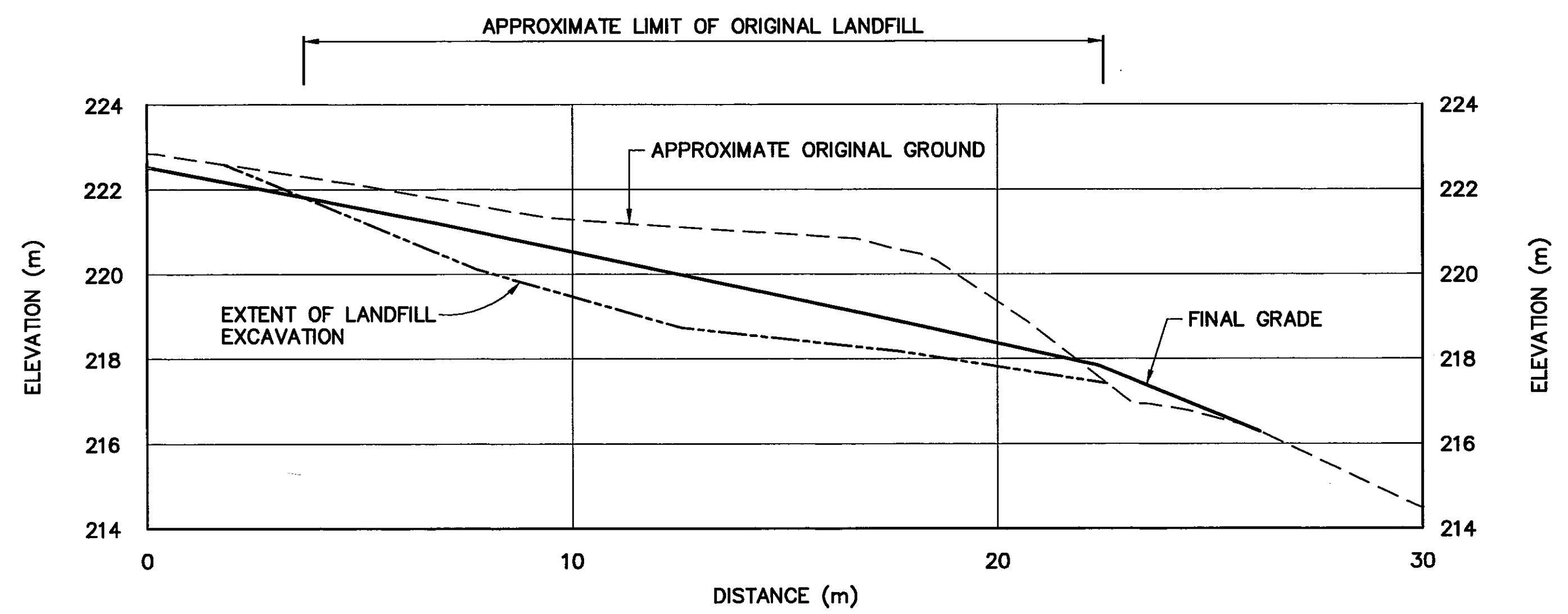
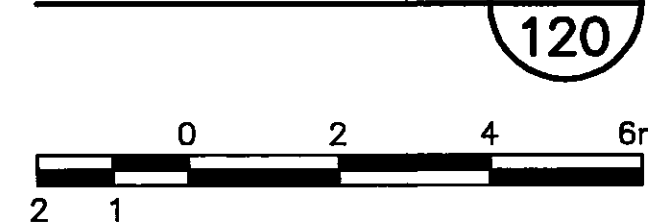
NOTE:
CONTOURS SHOWN AS DASHED LINES WERE GENERATED FROM SURVEY INFORMATION AND REPRESENT FINISHED GROUND SURFACE FOLLOWING REGRADING OR RESHAPING.



PLAN



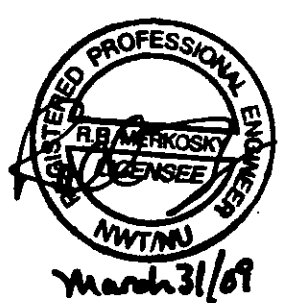
SECTION K



SECTION L



0	09-03-30	AS-BUILT DRAWING	RRM
No.	DATE	REVISION	APPR.



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Date: *Mar 31/09*
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SCALE - ECHELLE AS SHOWN

PROJECT - PROJET
CAM-4 PELLY BAY

DEW LINE CLEAN UP

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TRADE - METIER SITING DATE 2001-02-28

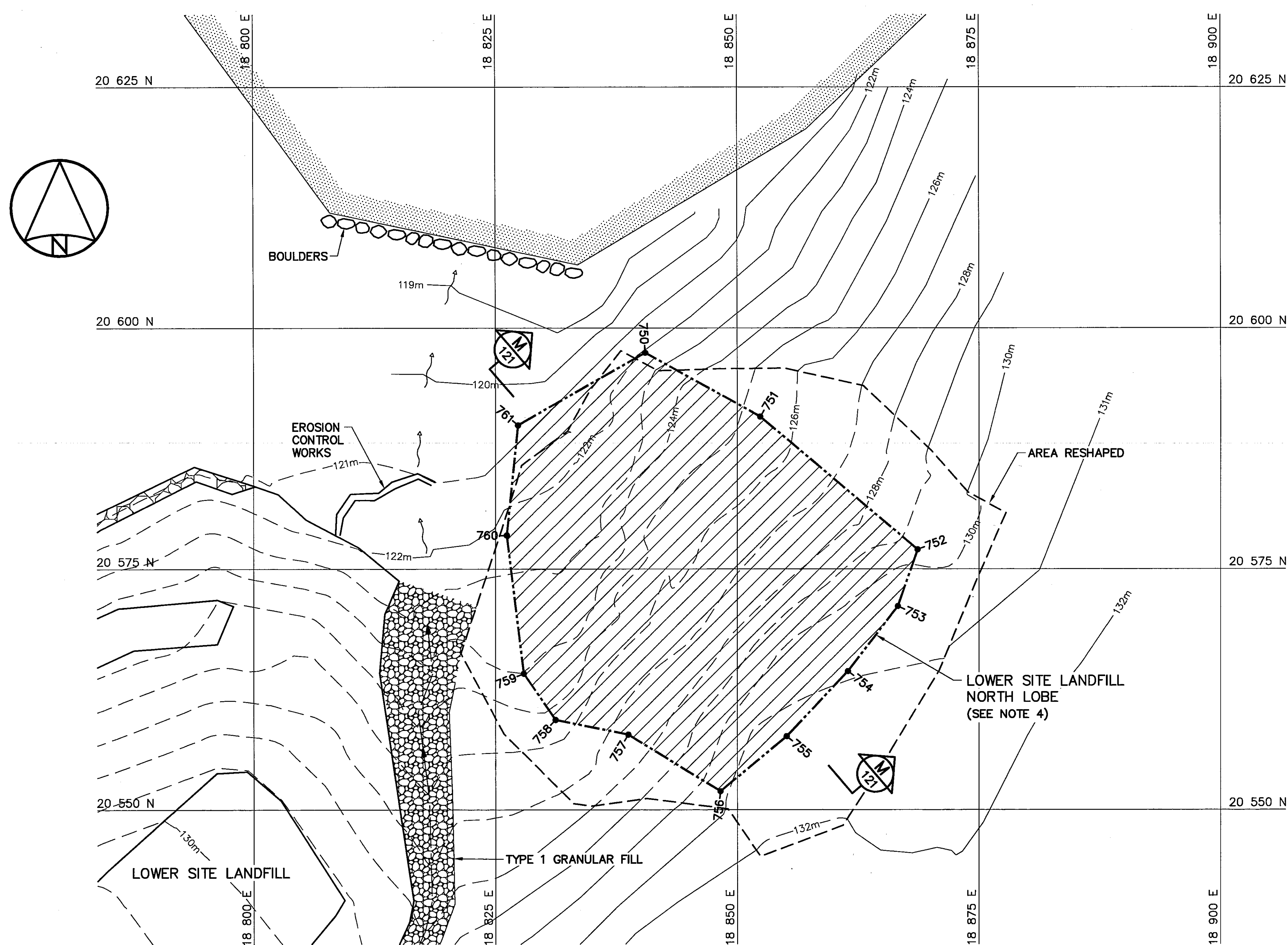
SUBJECT - SUJET

**ABANDONED CAMP LANDFILL
PLAN AND CROSS SECTIONS**

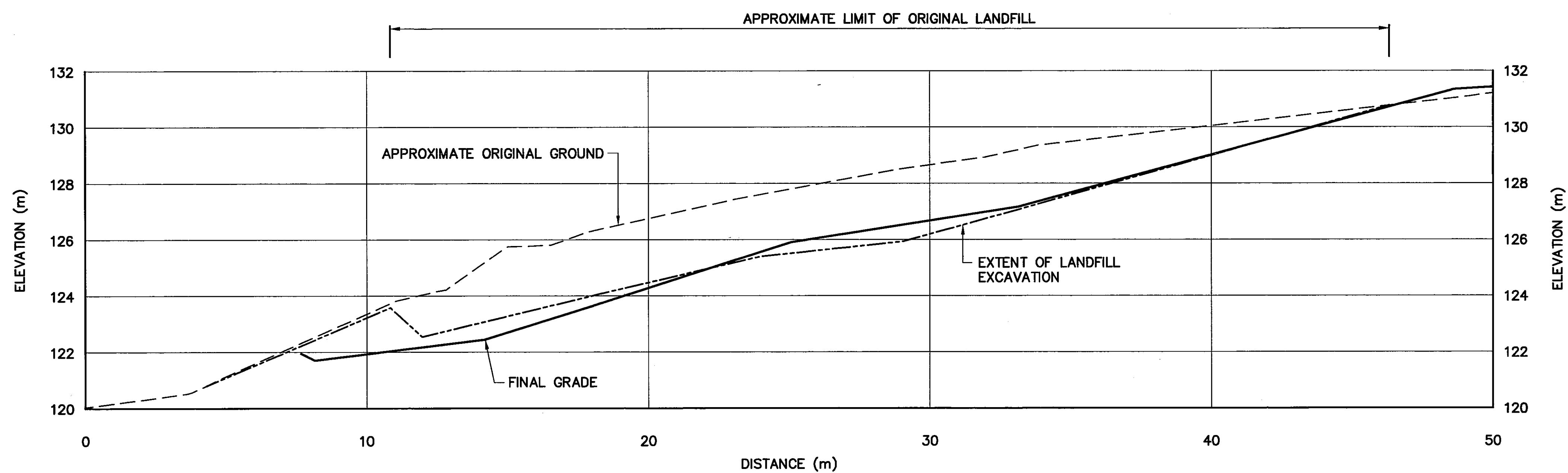
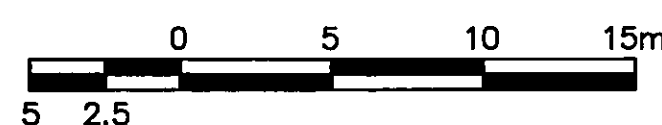
PRODUCTION		CONCURRENCE - ASSENTIMENT	
DESIGNED ETUDIE	TMS	DES OFF AGENT CONCEPT	
DRAWN DESSINE	LJV	SECT HD CHEF SECT	
CHECKED VERIFIE	KMS	DES MGR GEST CONCEPT	
COORDINATION SMS		REVIEWED - REVU	

DWG. NO. - DESSIN NO.
H-P44/1-9101-120

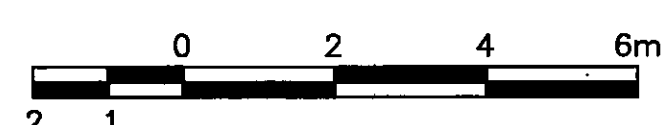
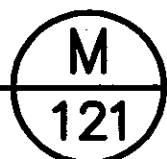
Canada



PLAN



SECTION



LOWER SITE LANDFILL-NORTH LOBE EXCAVATION (AS-BUILT)

NO.	COORDINATES	
	NORTHING	EASTING
750	20 597.4	18 840.5
751	20 590.8	18 852.4
752	20 577.0	18 868.7
753	20 571.1	18 866.6
754	20 564.4	18 861.4
755	20 557.6	18 855.1
756	20 551.9	18 848.3
757	20 557.8	18 838.7
758	20 559.3	18 831.2
759	20 564.1	18 827.9
760	20 578.5	18 826.1
761	20 589.9	18 827.3

NOTE:
CONTOURS SHOWN AS DASHED LINES WERE GENERATED FROM SURVEY INFORMATION AND REPRESENT FINISHED GROUND SURFACE FOLLOWING REGRADING OR RESHAPING.



Headquarters
Quartier général

General Notes:

1. ALL ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL.
2. HORIZONTAL CONTROL REFERENCED TO SURVEY CONTROL MONUMENTS.
3. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
4. LIMIT OF SECONDARY EXCAVATION WAS FIELD VERIFIED BY CONFIRMATORY TESTING OF CONTAMINATED SOIL, GEOPHYSICAL SURVEYS AND TEST EXCAVATIONS AT THE LANDFILL PERIMETER AND AT DEPTH.

Legend:

- 750 COORDINATE POINT
- LANDFILL OR BURIED DEBRIS EXCAVATION AREA
- BODY OF WATER

0	09-03-30	AS-BUILT DRAWING	RAM
No.	DATE	REVISION	APPR.



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Date: *Mar 31/09*
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SCALE - ECHELLE AS SHOWN

PROJECT - PROJET CAM-4 PELLY BAY

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TRADE - METIER SITING DATE 2001-02-28

SUBJECT - SUJET LOWER SITE LANDFILL NORTH LOBE

PLAN AND CROSS SECTION

PRODUCTION	CONCURRENCE - ASSENTIMENT	
DESIGNED ETUDIE <i>TMS</i>	DES OFF AGENT CONCEPT	
DRAWN - DESSINE <i>LJV</i>	SECT HD CHEF SECT	
CHECKED VERIFIE <i>KMS</i>	DES MGR GEST CONCEPT	
COORDINATION <i>SMS</i>	REVIEWED - REVU	

DWG. NO. - DESSIN NO.
H-P44/1-9101-121

Canada

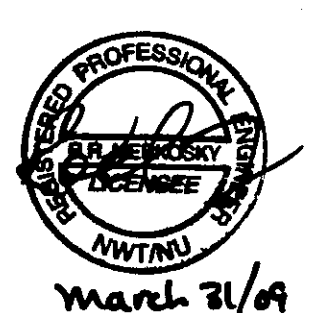
General Notes:

1. ALL ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL.
2. HORIZONTAL CONTROL REFERENCED TO SURVEY CONTROL MONUMENTS.
3. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
4. FOR VERTICAL THERMISTOR INSTALLATION DETAILS, SEE DWG. H-P44/1-9101-134.
5. KEY TRENCH EXTENDS BELOW ORIGINAL GROUND TO SOUND BEDROCK OR SATURATED GROUND (DEPTH VARIES). SEE DWG. H-P44/1-9101-123.

Legend:

- 801 COORDINATE POINT
- VT VERTICAL THERMISTOR/PIEZOMETER INSTALLATION (4)

0	09-03-30	AS-BUILT DRAWING	RRM
No.	DATE	REVISION	APPR.



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Date: *Mar 21/04*
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SCALE - ECHELLE 10 5 0 10 20 30m

PROJECT - PROJET
CAM-4 PELLY BAY

DEW LINE CLEAN UP

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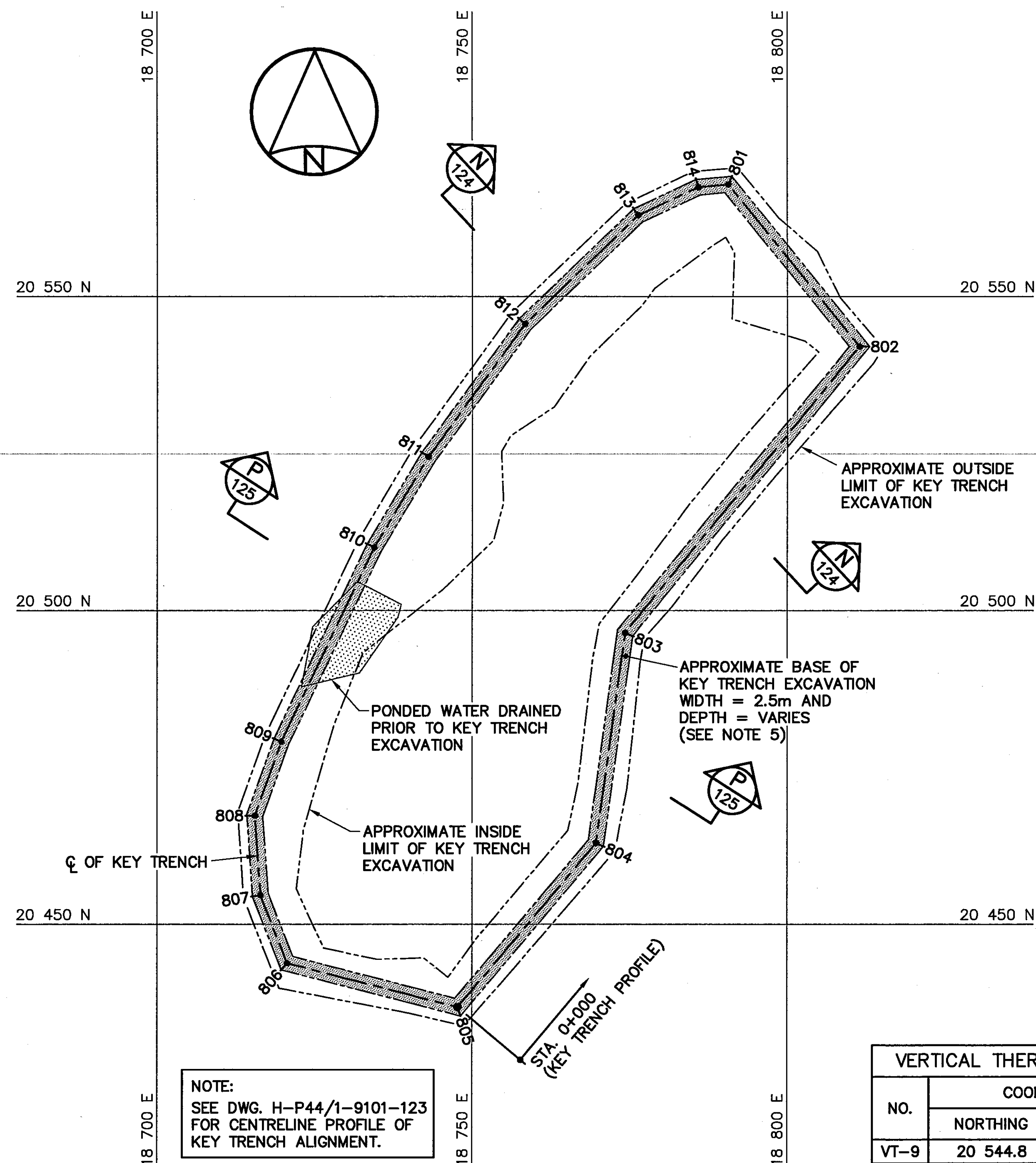
SUBJECT - SUJET

**LOWER SITE LANDFILL
KEY TRENCH EXCAVATION PLAN &
GRADING/INSTRUMENTATION PLAN**

PRODUCTION	CONCURRENCE - ASSENTIMENT
DESIGNED ETUDIE <i>TMS</i>	DES OFF AGENT CONCEPT
DRAWN DESSINE <i>LJV</i>	SECT HD CHEF SECT
CHECKED VERIFIE <i>KMS</i>	DES MCR GEST CONCEPT
COORDINATION <i>SMS</i>	REVIEWED - REVU

DWG. NO. - DESSIN NO.
H-P44/1-9101-122

Canada



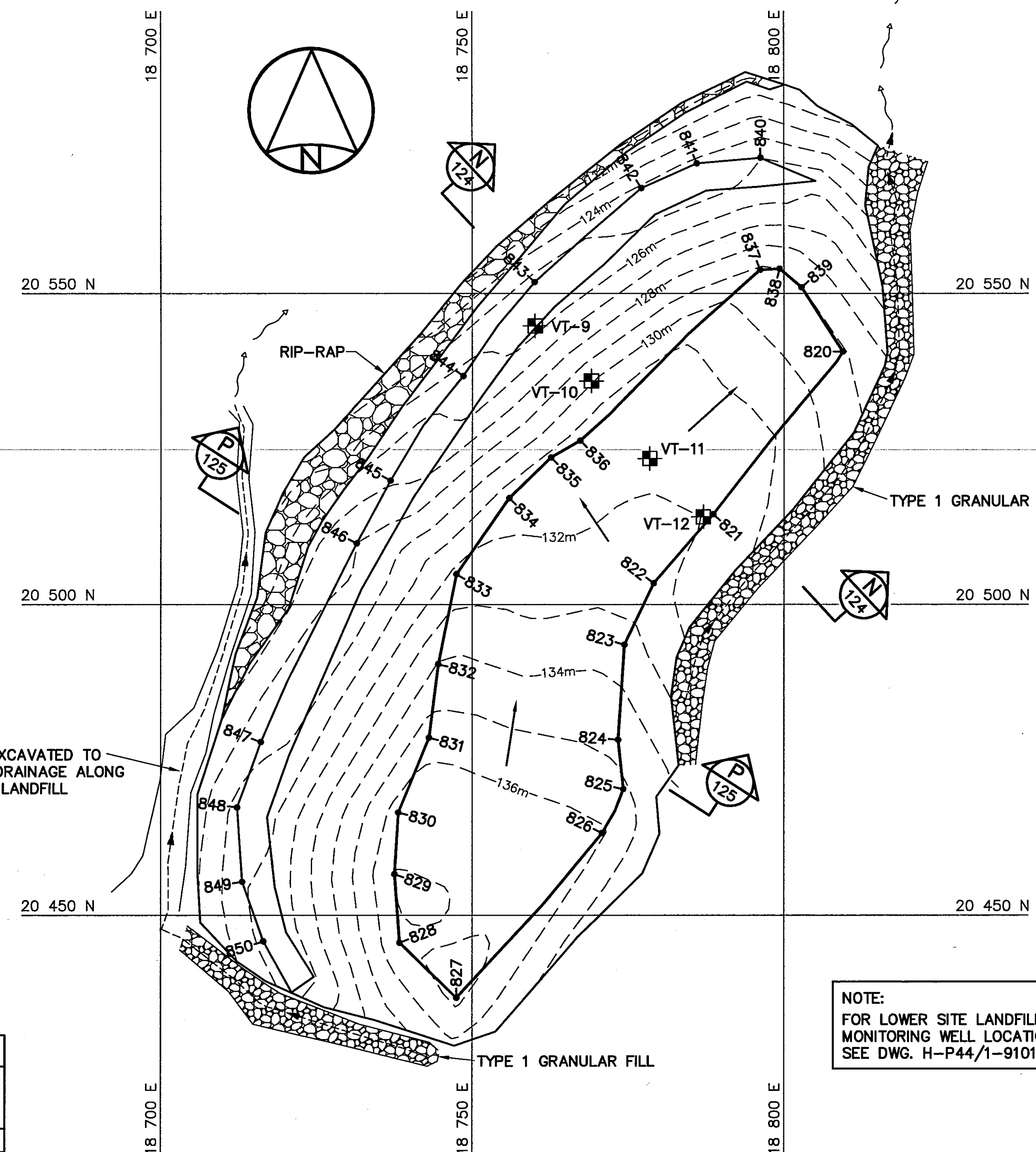
KEY TRENCH EXCAVATION PLAN

KEY TRENCH EXCAVATION (DESIGN)*		
NO.	COORDINATES	
	NORTHING	EASTING
801	20 567.8	18 790.7
802	20 542.0	18 811.4
803	20 496.4	18 774.4
804	20 462.9	18 769.8
805	20 436.8	18 747.7
806	20 443.8	18 720.7
807	20 454.6	18 716.5
808	20 467.3	18 715.6
809	20 479.1	18 719.8
810	20 510.0	18 734.5
811	20 524.5	18 743.1
812	20 545.6	18 758.4
813	20 562.9	18 776.4
814	20 567.4	18 786.0

*NOTE: KEY TRENCH ALIGNMENT CONSTRUCTED AS PER DESIGN, NO AS-BUILT SURVEY INFORMATION.

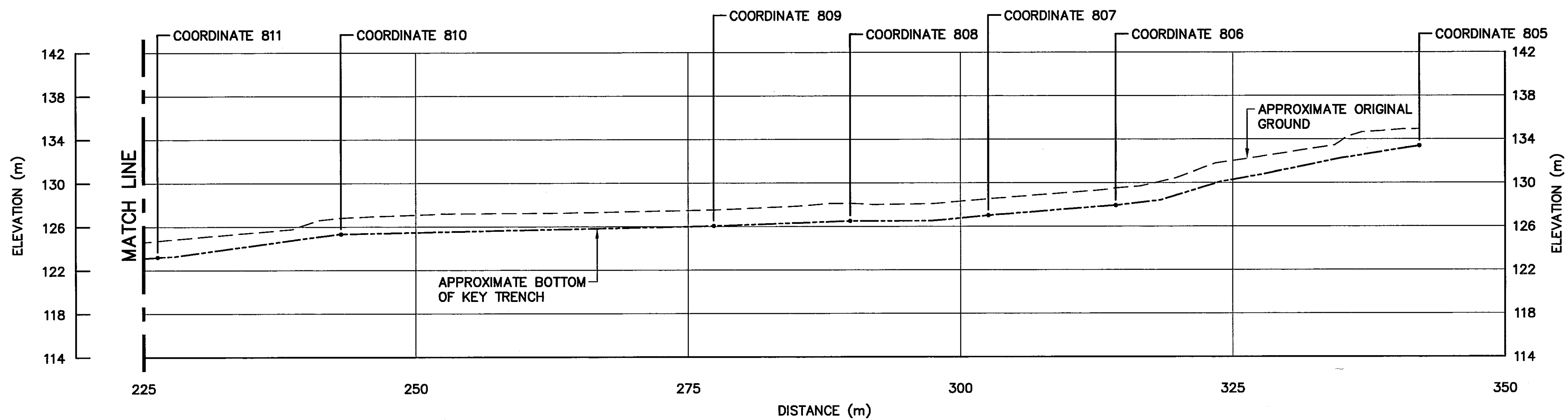
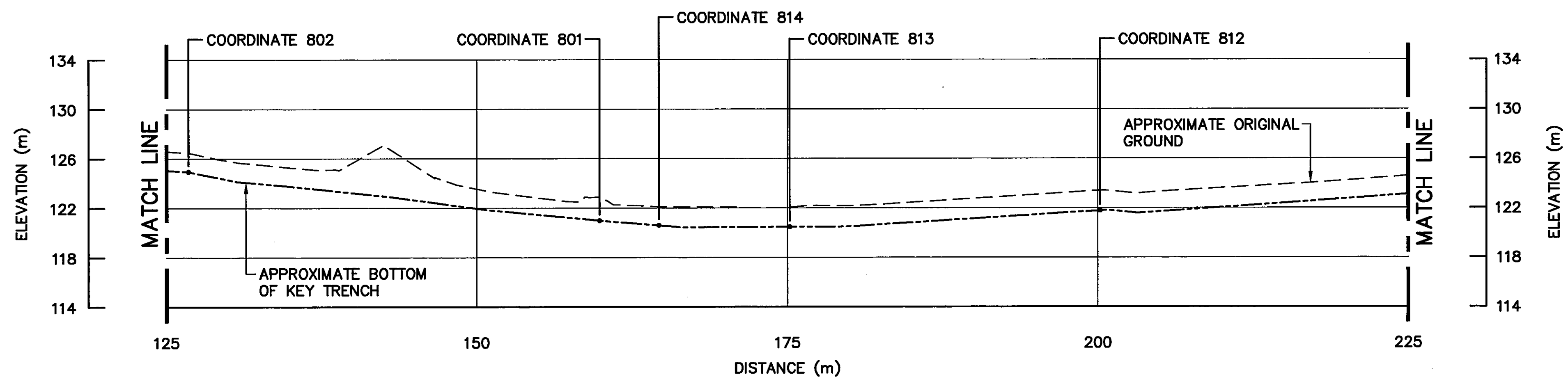
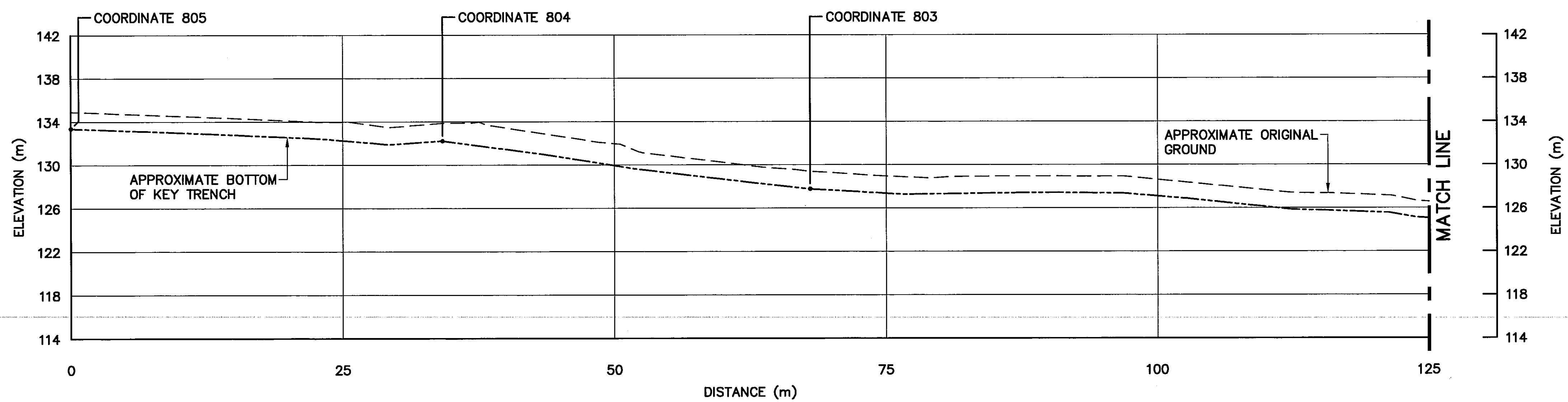
VERTICAL THERMISTORS (AS-BUILT)			
NO.	COORDINATES		ELEV.
	NORTHING	EASTING	
VT-9	20 544.8	18 760.1	125.8
VT-10	20 535.9	18 769.1	129.9
VT-11	20 523.5	18 778.4	131.9
VT-12	20 514.1	18 787.1	132.0

NOTE:
CONTOURS SHOWN AS DASHED LINES
WERE GENERATED FROM SURVEY
INFORMATION AND REPRESENT FINISHED
GROUND SURFACE FOLLOWING
REGRADING OR RESHAPING.



GRADING/INSTRUMENTATION PLAN

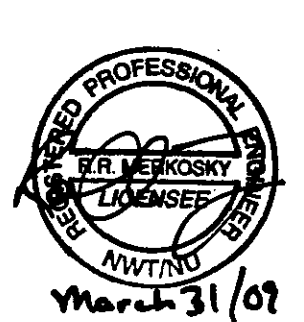
FINAL LANDFILL SURFACE (AS-BUILT)							
NO.	COORDINATES		ELEV.	NO.	COORDINATES		ELEV.
	NORTHING	EASTING			NORTHING	EASTING	
820	20 540.6	18 809.4	129.1	836	20 526.3	18 767.3	131.3
821	20 514.5	18 788.7	131.9	837	20 553.8	18 796.2	129.2
822	20 503.4	18 779.1	132.2	838	20 554.0	18 799.3	128.8
823	20 493.5	18 774.4	133.4	839	20 551.0	18 802.8	129.0
824	20 478.2	18 773.4	134.7	840	20 571.8	18 796.3	125.0
825	20 470.3	18 774.2	135.1	841	20 570.9	18 786.0	124.4
826	20 463.2	18 770.8	136.1	842	20 566.9	18 777.1	124.3
827	20 436.7	18 747.5	137.3	843	20 551.8	18 760.0	125.5
828	20 445.6	18 738.4	137.0	844	20 536.7	18 748.6	126.3
829	20 456.6	18 737.6	137.0	845	20 519.9	18 736.9	127.9
830	20 466.5	18 738.2	136.5	846	20 509.8	18 731.5	129.0
831	20 478.6	18 743.1	135.6	847	20 477.9	18 716.1	129.8
832	20 490.4	18 744.6	134.1	848	20 467.3	18 712.3	130.4
833	20 504.9	18 747.5	132.2	849	20 455.4	18 713.1	130.9
834	20 517.1	18 755.9	131.6	850	20 445.8	18 716.5	131.3
835	20 523.6	18 762.6	131.3				



General Notes:

1. ALL ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL.
2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
3. KEY TRENCH EXTENDS BELOW ORIGINAL GROUND TO SOUND BEDROCK OR SATURATED GROUND (DEPTH VARIES).

0	09-03-30	AS-BUILT DRAWING	RAM
No.	DATE	REVISION	APPR.



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SCALE - ECHELLE 5 2.5 0 5 10 15m

PROJECT - PROJET
CAM-4 PELLY BAY

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TRADE - METIER **SITING** DATE **2001-02-28**

SUBJECT - SUJET

**LOWER SITE LANDFILL
KEY TRENCH CENTRELINE PROFILE**

PRODUCTION		CONCURRENCE - ASSENTIMENT	
DESIGNED ETUDIE	<i>TMS</i>	DES OFF AGENT CONCEPT	
DRAWN DESSINE	<i>LJV</i>	SECT HD CHEF SECT	
CHECKED VERIFIE	<i>KMS</i>	DES MGR GEST CONCEPT	
COORDINATION	<i>SMS</i>	REVIEWED - REVU	

DWG. NO. - DESSIN NO.
H-P44/1-9101-123

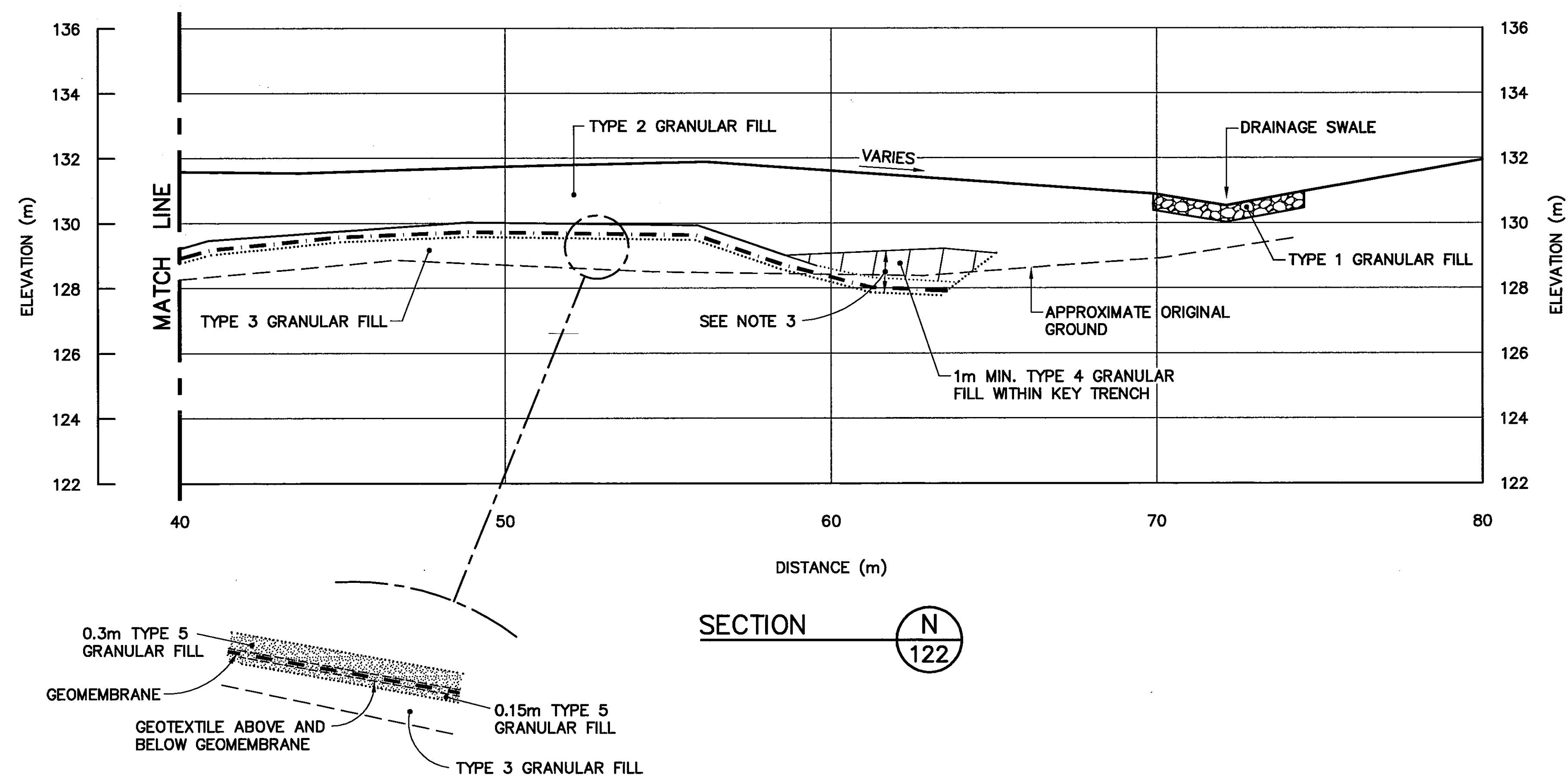
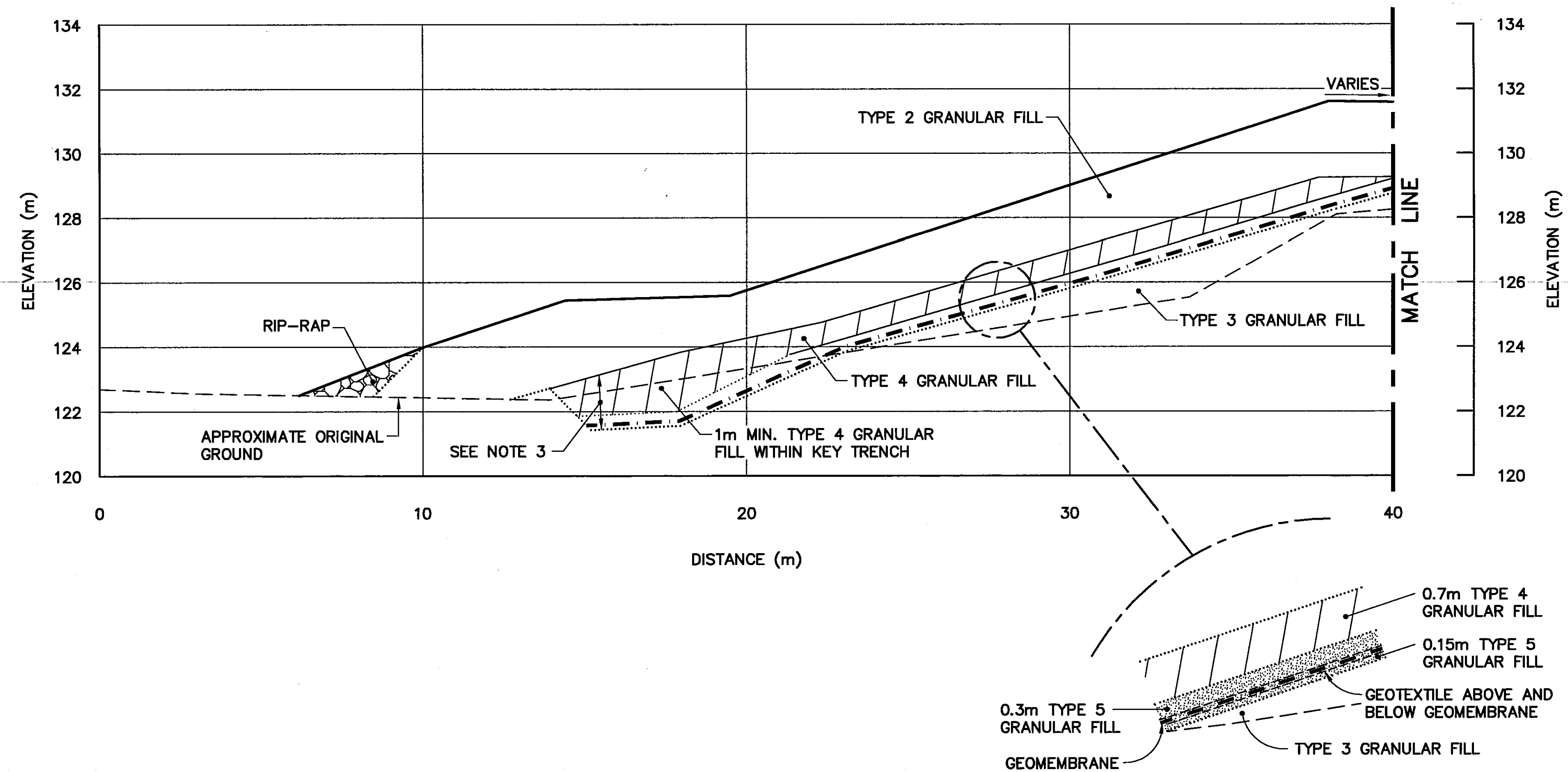
Canada

General Notes:

1. ALL ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL.
2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
3. KEY TRENCH EXTENDS BELOW ORIGINAL GROUND TO SOUND BEDROCK OR SATURATED GROUND (DEPTH VARIES).

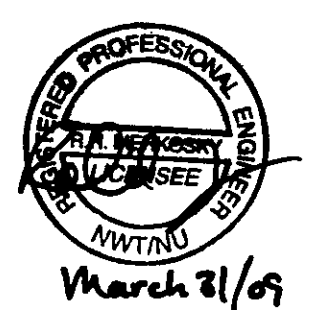
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- CONSTRUCTED AS PER DESIGN, NO AS-BUILT SURVEY INFORMATION



SECTION N
122

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Date: *Mar 31/09*
PERMIT NUMBER: P639
NW/NU Association of Professional Engineers and Geoscientists

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SCALE - ECHELLE 2 1 0 2 4 6m

PROJECT - PROJET
CAM-4 PELLY BAY

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TRADE - METIER SITING DATE
2001-02-28

SUBJECT - SUJET
**LOWER SITE LANDFILL
CROSS SECTIONS
SHEET 1**

PRODUCTION	CONCURRENCE - ASSENTIMENT	
DESIGNED ETUDIE <i>TMS</i>	DES OFF AGENT CONCEPT	
DRAWN DESSINE <i>LJV</i>	SECT HD CHEF SECT	
CHECKED VERIFIE <i>KMS</i>	DES MGR GEST CONCEPT	
COORDINATION <i>SMS</i>	REVIEWED - REVU	

DWG. NO. - DESSIN NO.
H-P44/1-9101-124

Canada

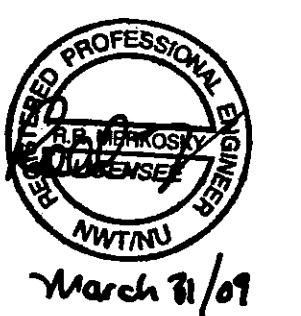
General Notes:

1. ALL ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL.
2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
3. KEY TRENCH EXTENDS BELOW ORIGINAL GROUND TO SOUND BEDROCK OR SATURATED GROUND (DEPTH VARIES).

Legend:

- GENERATED BASED ON AS-BUILT SURVEY INFORMATION
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0	09-03-30	AS-BUILT DRAWING	RAM
No.	DATE	REVISION	REVISION
			APPR.



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Date: *March 8, 2001*
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SCALE - ECHELLE 2 1 0 2 4 6m

PROJECT - PROJET
CAM-4 PELLY BAY

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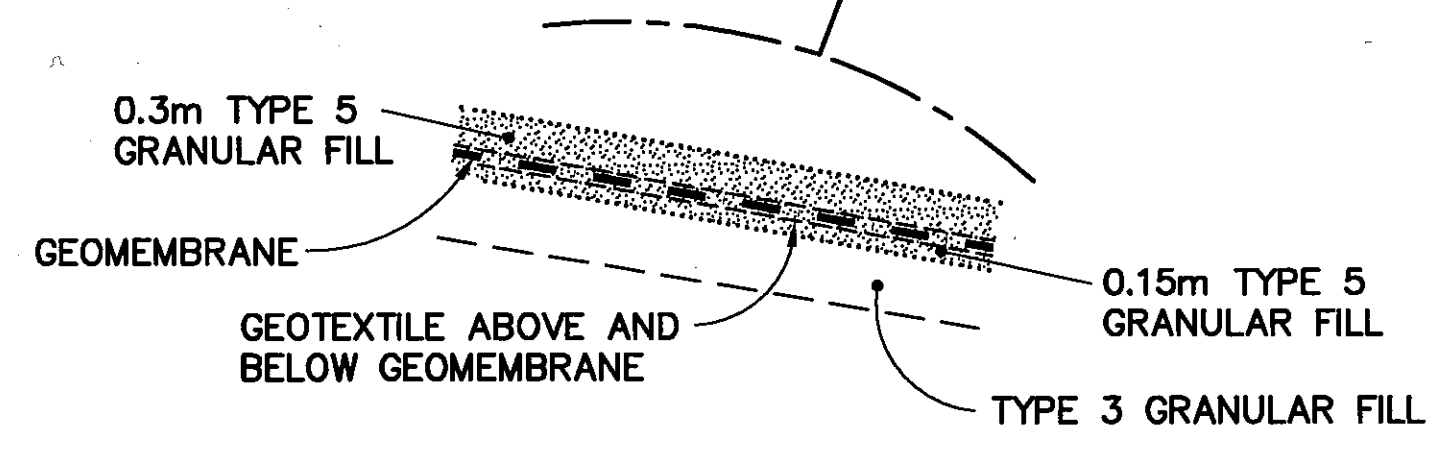
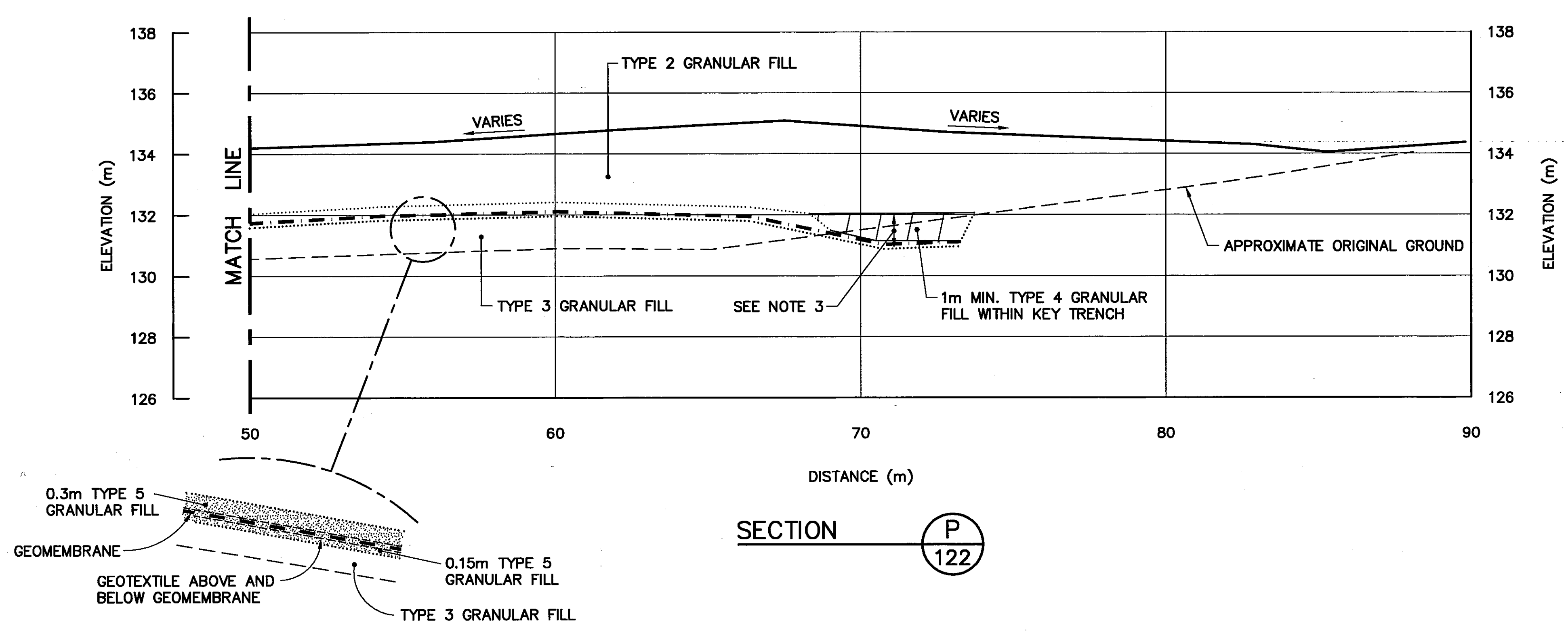
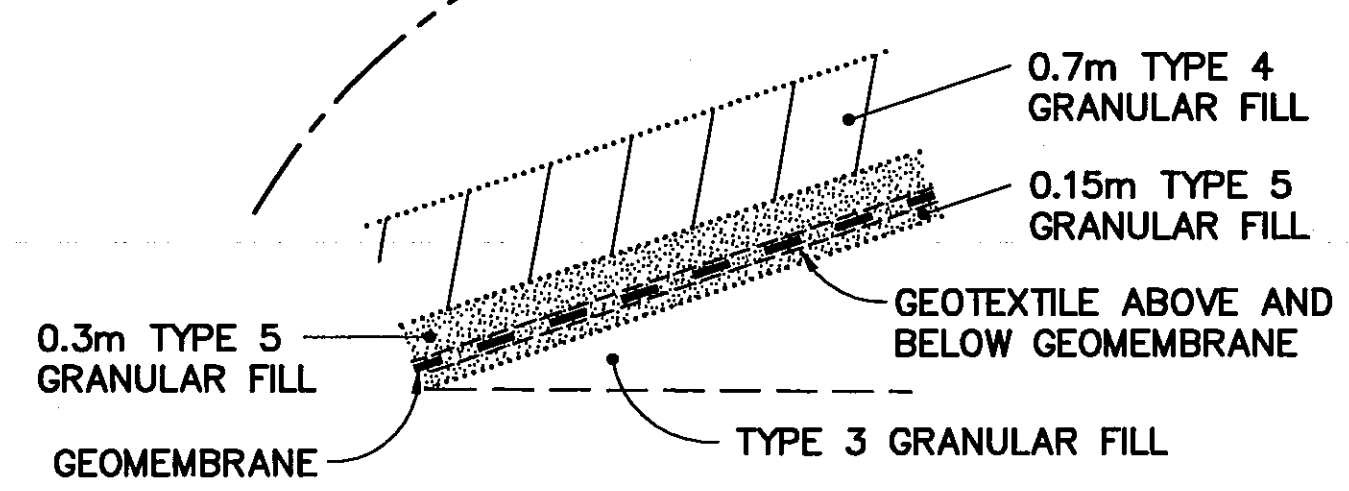
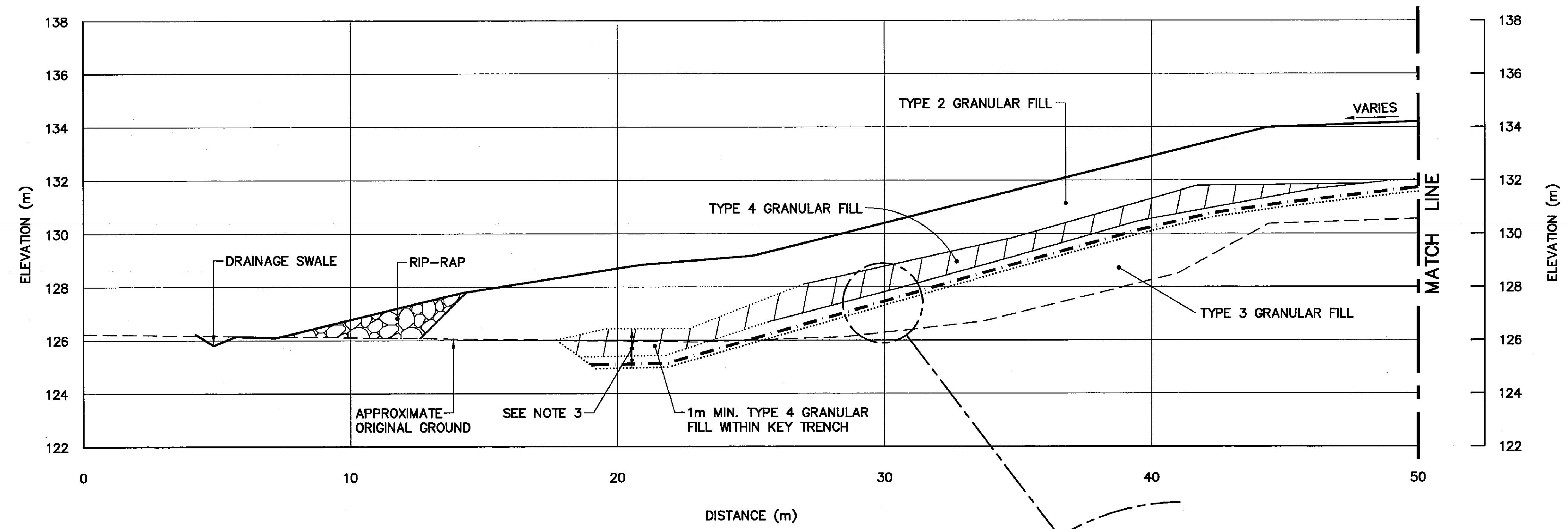
TRADE - METIER SITING DATE
2001-02-28

SUBJECT - SUJET
**LOWER SITE LANDFILL
CROSS SECTIONS
SHEET 2**

PRODUCTION	CONCURRENCE - ASSENTIMENT
DESIGNED ETUDIE <i>TMS</i>	DES OFF AGENT CONCEPT
DRAWN DESSINE <i>LJV</i>	SECT HD CHEF SECT
CHECKED VERIFIE <i>KMS</i>	DES MGR GEST CONCEPT
COORDINATION <i>SMS</i>	REVIEWED - REVU

DWG. NO. - DESSIN NO.
H-P44/1-9101-125

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SECTION **P**
122

Headquarters
Quartier général

General Notes:

1. ALL ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL.
2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.


Legend:

- GENERATED BASED ON AS-BUILT SURVEY INFORMATION
- CONSTRUCTED AS PER DESIGN, NO AS-BUILT SURVEY INFORMATION

0	09-03-30	AS-BUILT DRAWING	RAM
No.	DATE	REVISION	REVISION
			APPR.



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SCALE - ECHELLE 2 1 0 2 4 6m

PROJECT - PROJET
CAM-4 PELLY BAY

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2001-02-28

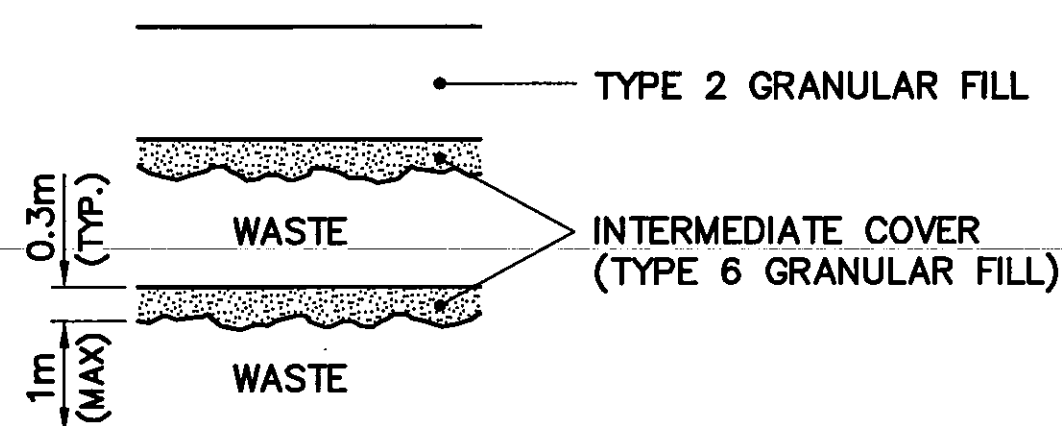
SUBJECT - SUJET
LOWER SITE
NON-HAZARDOUS WASTE LANDFILL
CROSS SECTION

PRODUCTION	CONCURRENCE - ASSENTIMENT	
DESIGNED ETUDIE <i>TMS</i>	DES OFF AGENT CONCEPT	
DRAWN DESSINE <i>LJV</i>	SECT HD CHEF SECT	
CHECKED VERIFIE <i>KMS</i>	DES MGR GEST CONCEPT	
COORDINATION <i>SMS</i>	REVIEWED - REVU	

DWG. NO. - DESSIN NO.
H-P44/1-9101-126

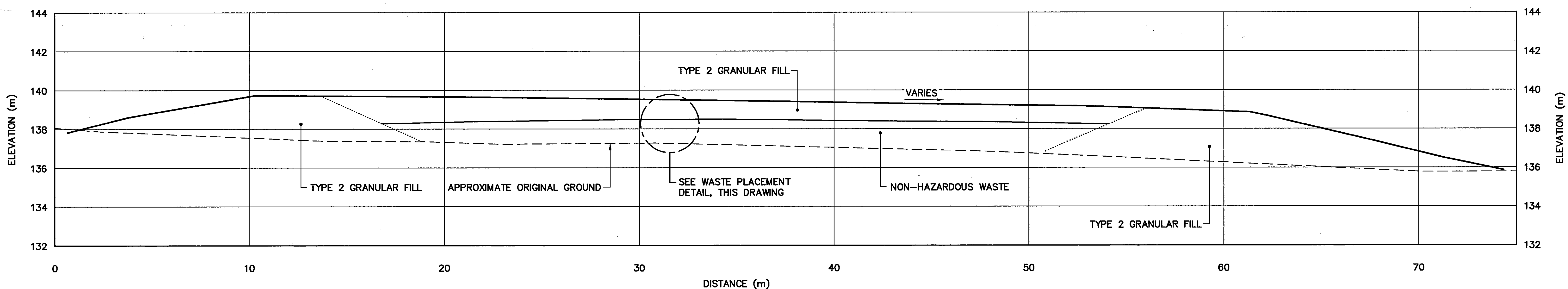
Canada

NOTE:
ADDITIONAL WASTE LAYERS, MAY
HAVE BEEN REQUIRED, TO ACHIEVE
THE LOWER SITE NON-HAZARDOUS
WASTE LANDFILL DESIGN ELEVATIONS.



WASTE PLACEMENT DETAIL

SCALE: NTS



SECTION

B
107

General Notes:

1. ALL ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL.
2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.

Legend:

..... CONSTRUCTED AS PER DESIGN,
NO AS-BUILT SURVEY INFORMATION

0	09-03-30	AS-BUILT DRAWING	RAM
No.	DATE	REVISION	REVISION
			APPR.



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SCALE - ECHELLE 2 1 0 2 4 6m

PROJECT - PROJET
CAM-4 PELLY BAY

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2003-05-02

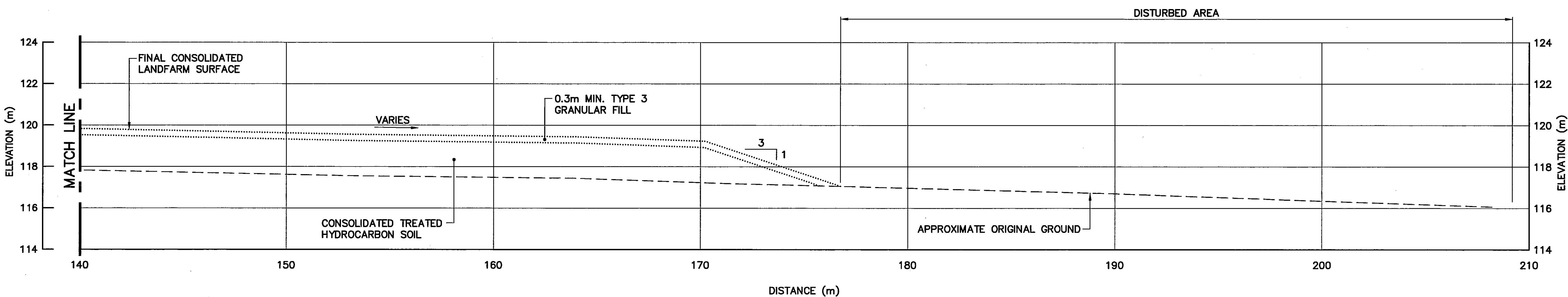
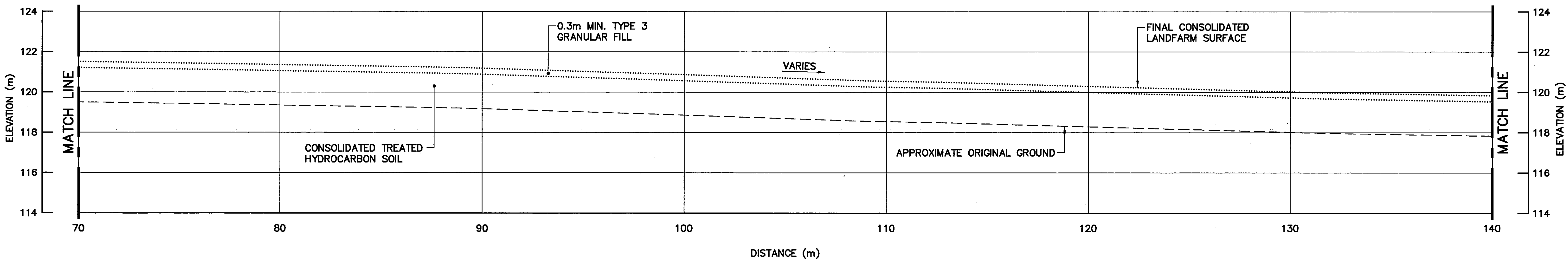
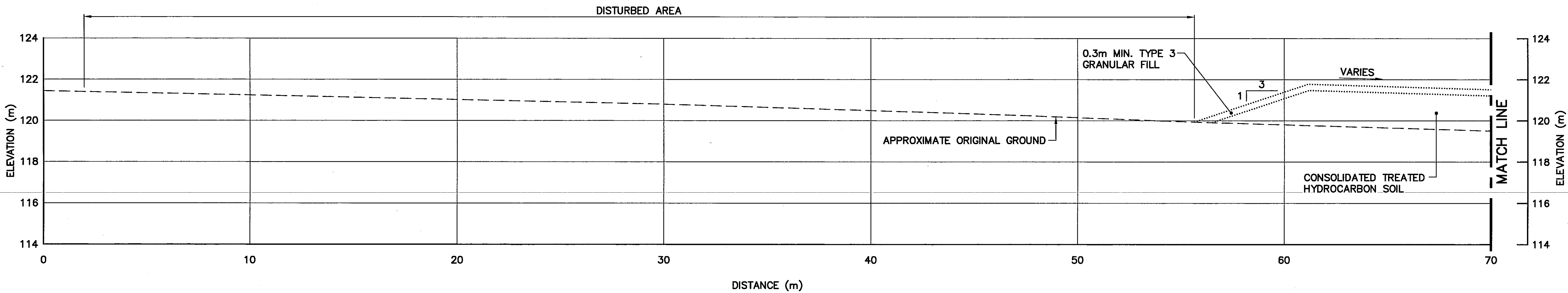
SUBJECT - SUJET

LANDFARM CROSS SECTION

PRODUCTION		CONCURRENCE - ASSENTMENT	
DESIGNED ETUDIE	TMS	DES OFF AGENT CONCEPT	
DRAWN DESSINE	LJV	SECT HD CHEF SECT	
CHECKED VERIFIE	KMS	DES MGR GEST CONCEPT	
COORDINATION	JMS	REVIEWED - REVU	

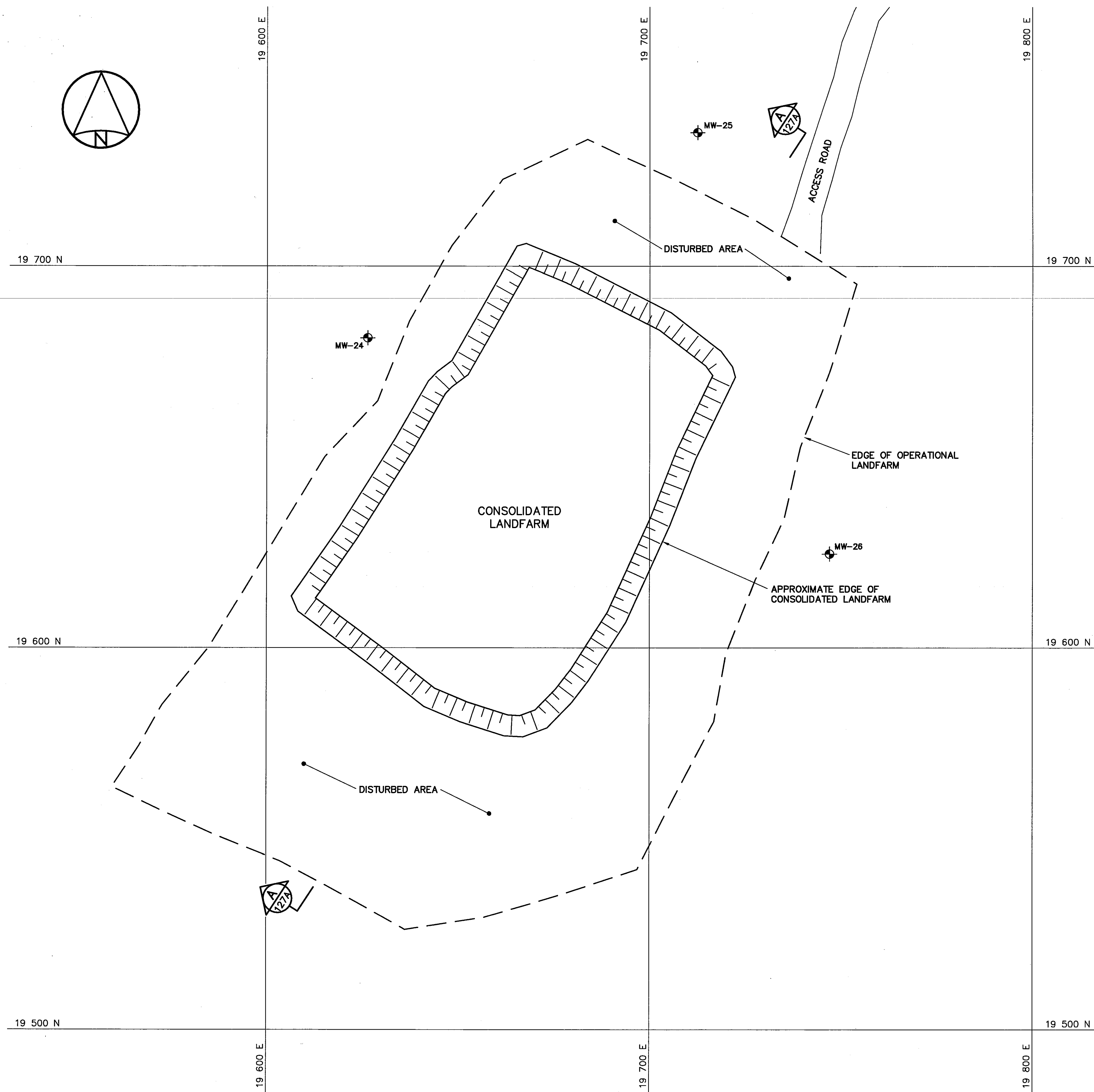
DWG. NO. - DESSIN NO.
H-P44/1-9101-127A

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SECTION

A
127



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Defence** **Défense
nationale**

**Headquarters
Quartier général**

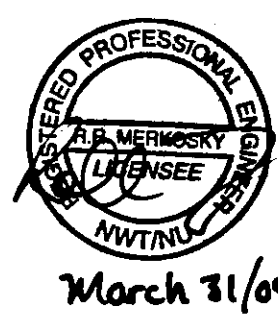
General Notes:


1. ALL ELEVATIONS ARE REFERENCED TO MEAN SEA LEVEL.
2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
3. HORIZONTAL CONTROL REFERENCED TO SURVEY CONTROL MONUMENTS.
4. FOR MONITORING WELL INSTALLATION DETAIL AND COORDINATE POINTS, SEE DWG. H-P44/1-9101-135.

Legend:

 **MONITORING WELL LOCATION (3)**

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SCALE - ECHELLE 10 5 0 10 20 30m

PROJECT - PROJET
CAM-4 PELLY BAY

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TRADE - METIER	SITING	DATE
SUBJECT - SUJET		2001-02-28

LANDFARM PLAN

PRODUCTION	CONCURRENCE - ASSENTIMENT
DESIGNED ETUDIE <i>TMS</i>	DES OFF AGENT CONCEPT
DRAWN DESSINE <i>LJV</i>	SECT HD CHEF SECT
CHECKED VERIFIE <i>KMS</i>	DES MGR GEST CONCEPT
COORDINATION <i>JMS</i>	REVIEWED - REVU

DWG. NO. - DESSIN NO.
H-P44/1-9101-127



TABLE 1 VERTICAL THERMISTOR INSTALLATION		
INSTRUMENT No.	APPROXIMATE DEPTH BELOW FINAL GRADE (m)	COMMENTS
UPPER SITE LANDFILL		
VT-2	4.7	IN KEY TRENCH
VT-3	5.0	IN KEY TRENCH
LOWER SITE LANDFILL		
VT-11	4.0	IN KEY TRENCH

NOTE: ALL THERMISTOR STRINGS INSTALLED TO BASE LINER UNLESS NOTED OTHERWISE.

TABLE 1B VERTICAL THERMISTOR INSTALLATION		
INSTRUMENT No.	FINAL GRADE ELEVATION (m)	BASE LINER ELEVATION (m)
UPPER SITE LANDFILL		
VT-2	306.7	303.1
VT-3	310.1	306.4
LOWER SITE LANDFILL		
VT-11	131.9	129.7

TABLE 2 VERTICAL THERMISTOR INSTALLATION		
INSTRUMENT No.	APPROXIMATE DEPTH BELOW FINAL GRADE (m)	COMMENTS
LOWER SITE LANDFILL		
VT-10	3.8	ON PLATEAU

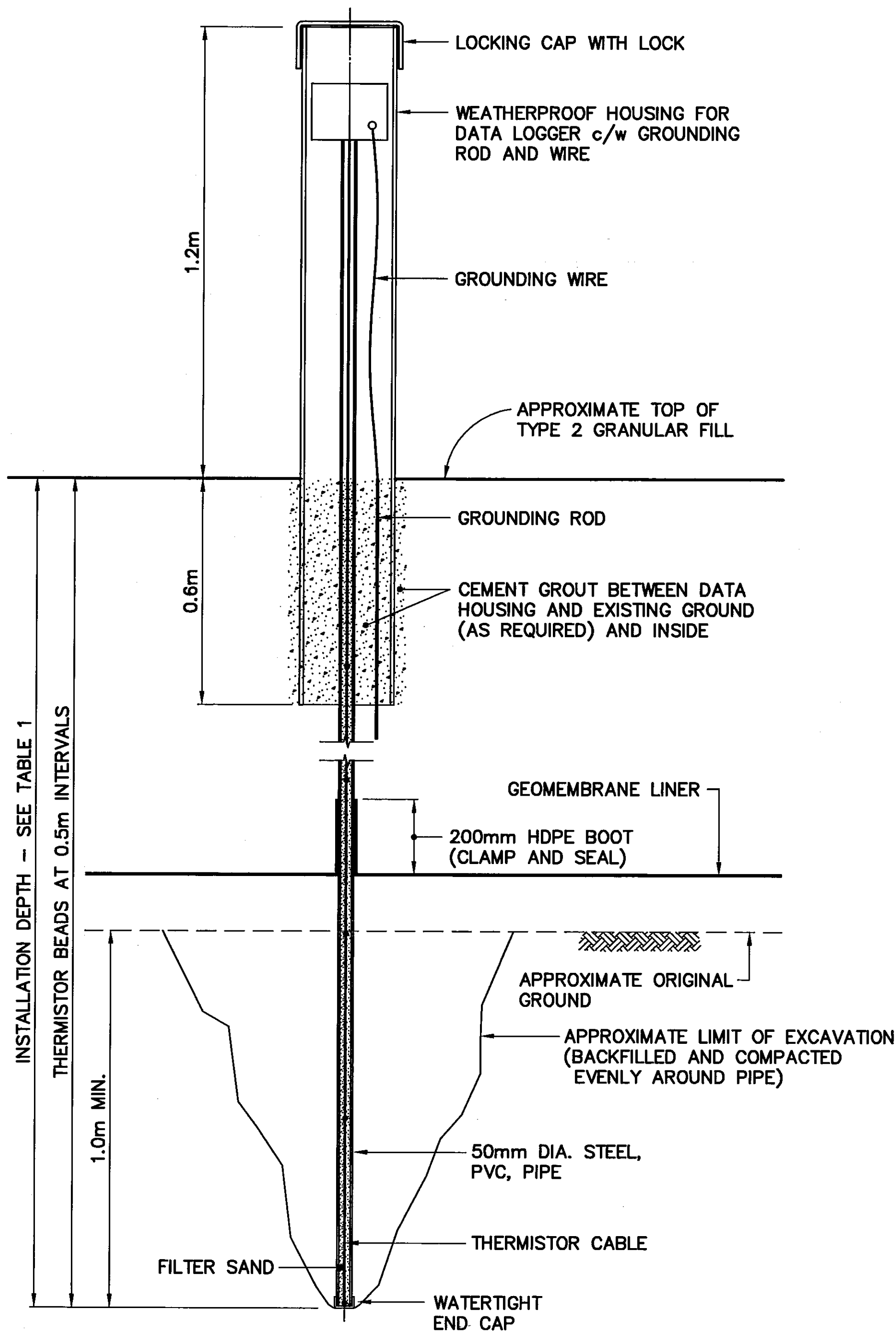
NOTE: ALL THERMISTOR STRINGS INSTALLED TO BASE LINER UNLESS NOTED OTHERWISE.

TABLE 2B VERTICAL THERMISTOR INSTALLATION		
INSTRUMENT No.	FINAL GRADE ELEVATION (m)	BASE LINER ELEVATION (m)
LOWER SITE LANDFILL		
VT-10	129.9	126.8

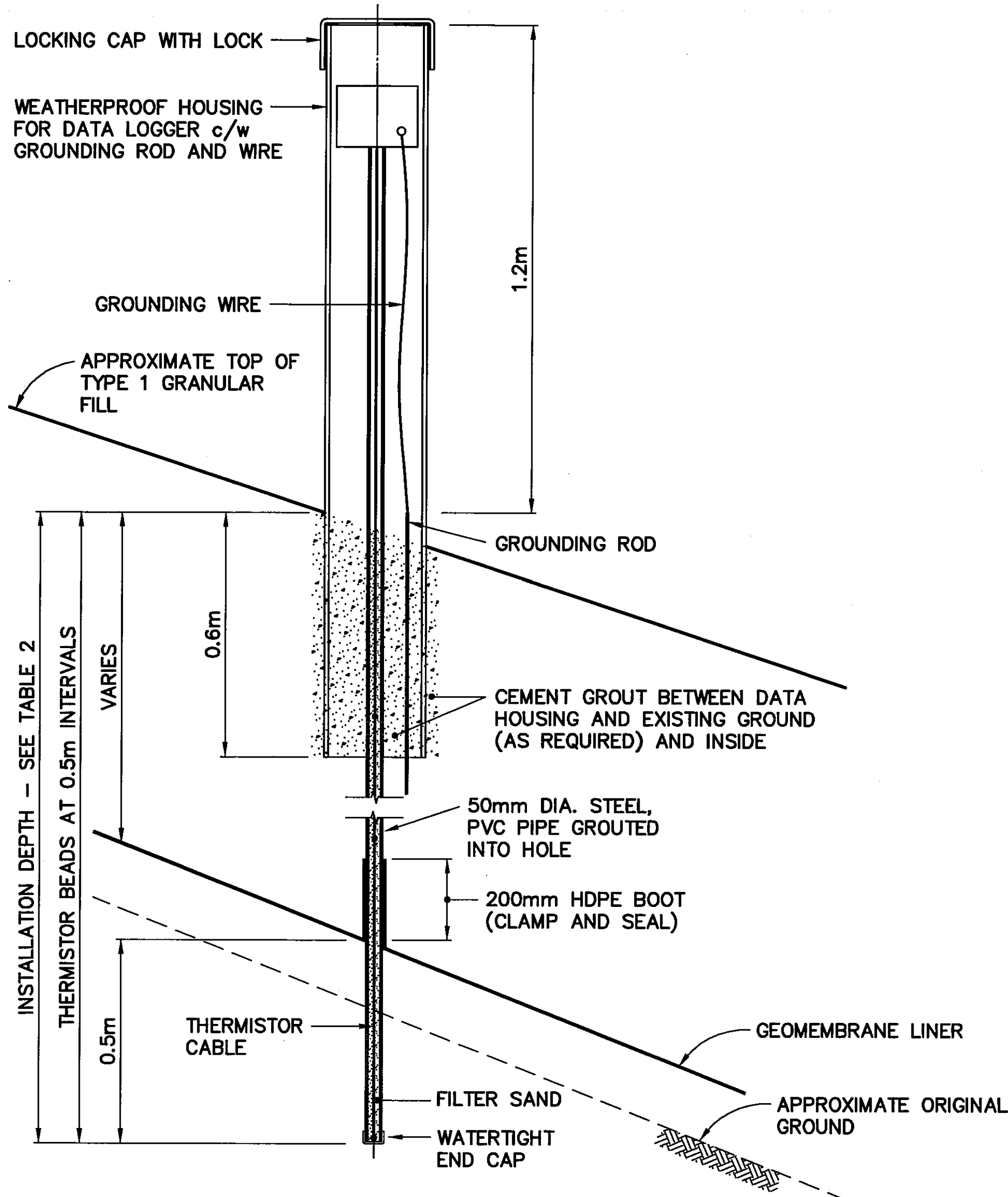
TABLE 3 VERTICAL THERMISTOR INSTALLATION		
INSTRUMENT No.	APPROXIMATE DEPTH BELOW FINAL GRADE (m)	COMMENTS
UPPER SITE LANDFILL		
VT-1	5.5	INSTALLED THROUGH CENTERLINE BERM TO INVERT OF KEY TRENCH
VT-4	4.2	INSTALLED THROUGH CENTERLINE BERM TO INVERT OF KEY TRENCH
LOWER SITE LANDFILL		
VT-9	4.0	INSTALLED THROUGH CENTERLINE BERM TO INVERT OF KEY TRENCH
VT-12	4.4	INSTALLED THROUGH CENTERLINE BERM TO INVERT OF KEY TRENCH

NOTE: ALL THERMISTOR STRINGS INSTALLED TO BASE LINER UNLESS NOTED OTHERWISE.

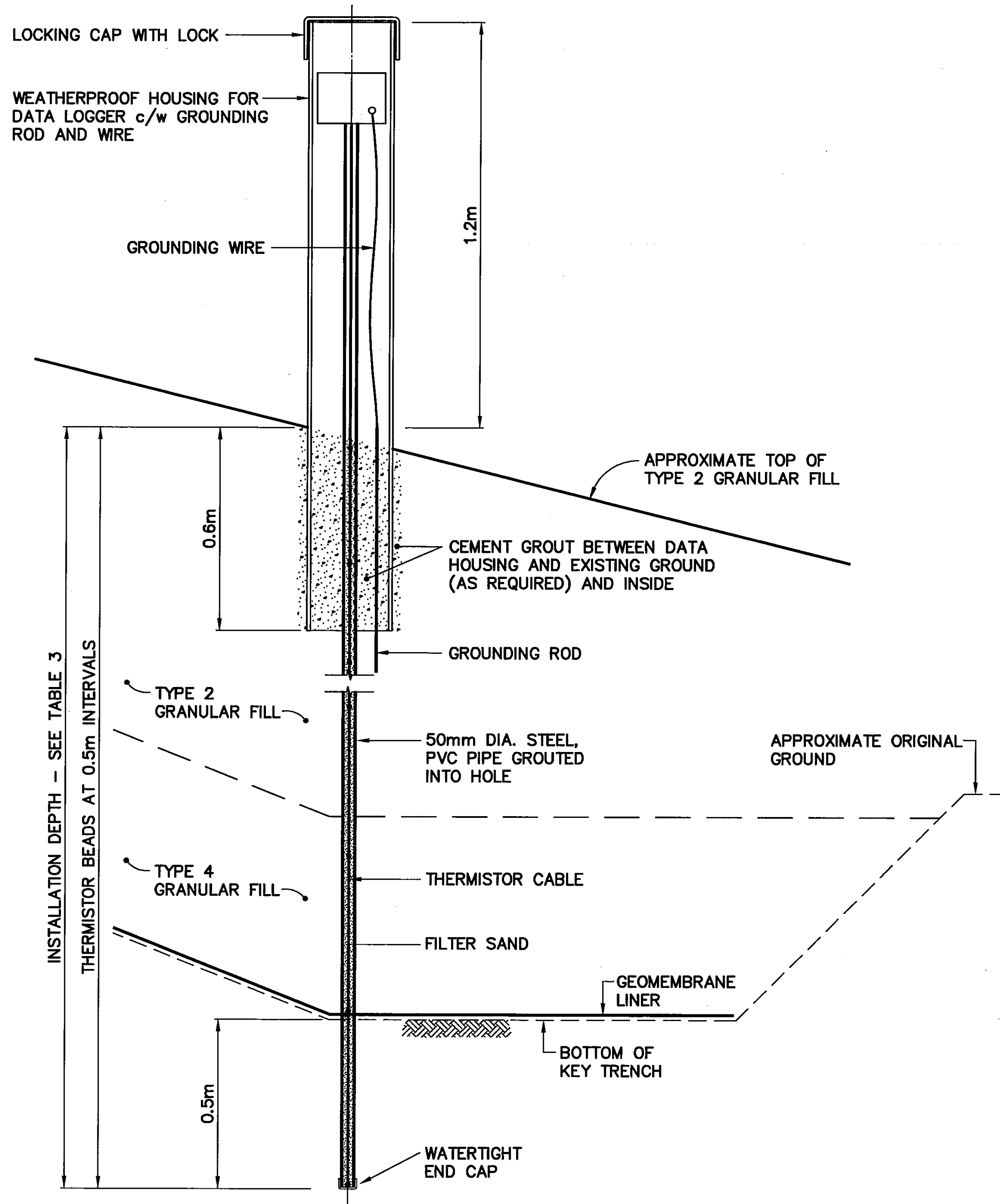
TABLE 3B VERTICAL THERMISTOR INSTALLATION			
INSTRUMENT No.	FINAL GRADE ELEVATION (m)	TRENCH BOTTOM ELEVATION (m)	FINAL BEAD ELEVATION (m)
UPPER SITE LANDFILL			
VT-1	304.4	300.1	299.9
VT-4	312.8	308.7	309.3
LOWER SITE LANDFILL			
VT-9	125.8	121.9	121.8
VT-12	132.0	128.1	127.9



TYPICAL THERMISTOR INSTALLATION
SCALE: NTS
PLATEAU, VT-2, VT-3 AND VT-11



TYPICAL THERMISTOR INSTALLATION
SCALE: NTS
SLOPES, VT-10

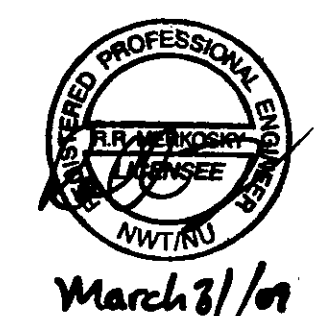


TYPICAL THERMISTOR INSTALLATION
SCALE: NTS
KEY TRENCH, VT-1, VT-4, VT-9 AND VT-12

General Notes:

1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.

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SCALE - ECHELLE AS SHOWN

PROJECT - PROJET CAM-4 PELLY BAY

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TRADE - METIER SITING DATE 2001-02-28

SUBJECT - SUJET

**MISCELLANEOUS DETAILS
SHEET 1**

PRODUCTION		CONCURRENCE - ASSENTIMENT	
DESIGNED ETUDIE	<i>THS</i>	DES OFF AGENT CONCEPT	
DRAWN DESSINE	<i>LJU</i>	SECT HD CHEF SECT	
CHECKED VERIFIE	<i>KHS</i>	DES MGR GEST CONCEPT	
COORDINATION	<i>SMS</i>	REVIEWED - REVU	

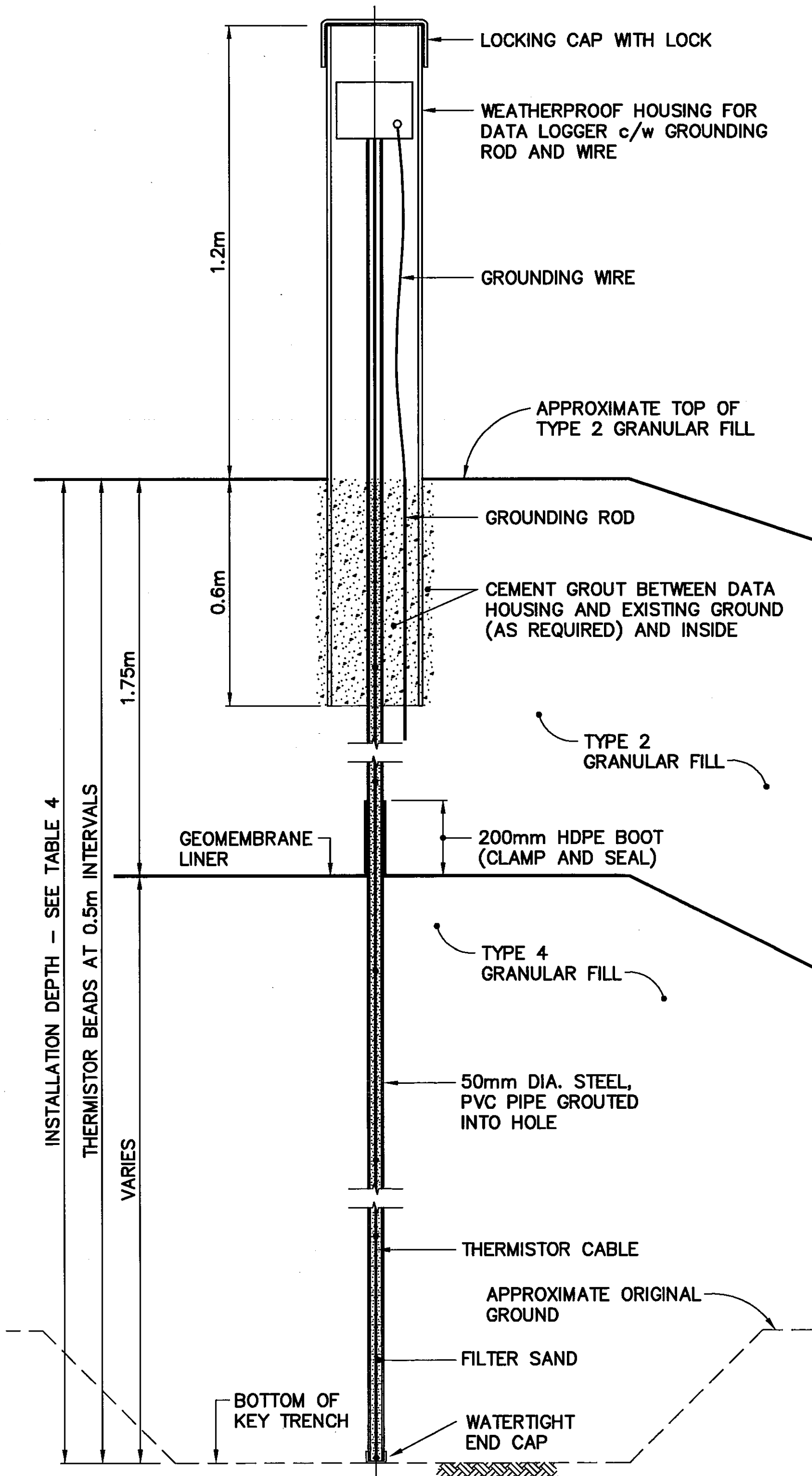
DWG. NO. - DESSIN NO.
H-P44/1-9101-134

Canada

TABLE 4 VERTICAL THERMISTOR INSTALLATION		
INSTRUMENT No.	APPROXIMATE DEPTH BELOW FINAL GRADE (m)	COMMENTS
TIER II DISPOSAL FACILITY		
VT-5	5.5	INSTALLED THROUGH CENTERLINE BERM TO INVERT OF KEY TRENCH
VT-6	4.0	INSTALLED TO 1.0m ABOVE ELEVATION OF BOTTOM LINER
VT-7	8.0	AS PER VT-5
VT-8	4.0	AS PER VT-6

NOTE: ALL THERMISTOR STRINGS INSTALLED TO BASE LINER UNLESS NOTED OTHERWISE.

TABLE 4B VERTICAL THERMISTOR INSTALLATION		
INSTRUMENT No.	FINAL GRADE ELEVATION (m)	BASE LINER ELEVATION (m)
TIER II DISPOSAL FACILITY		
VT-5	320.9	319.2
VT-6	319.3	314.6
VT-7	317.8	316.1
VT-8	319.1	313.9



TYPICAL THERMISTOR INSTALLATION

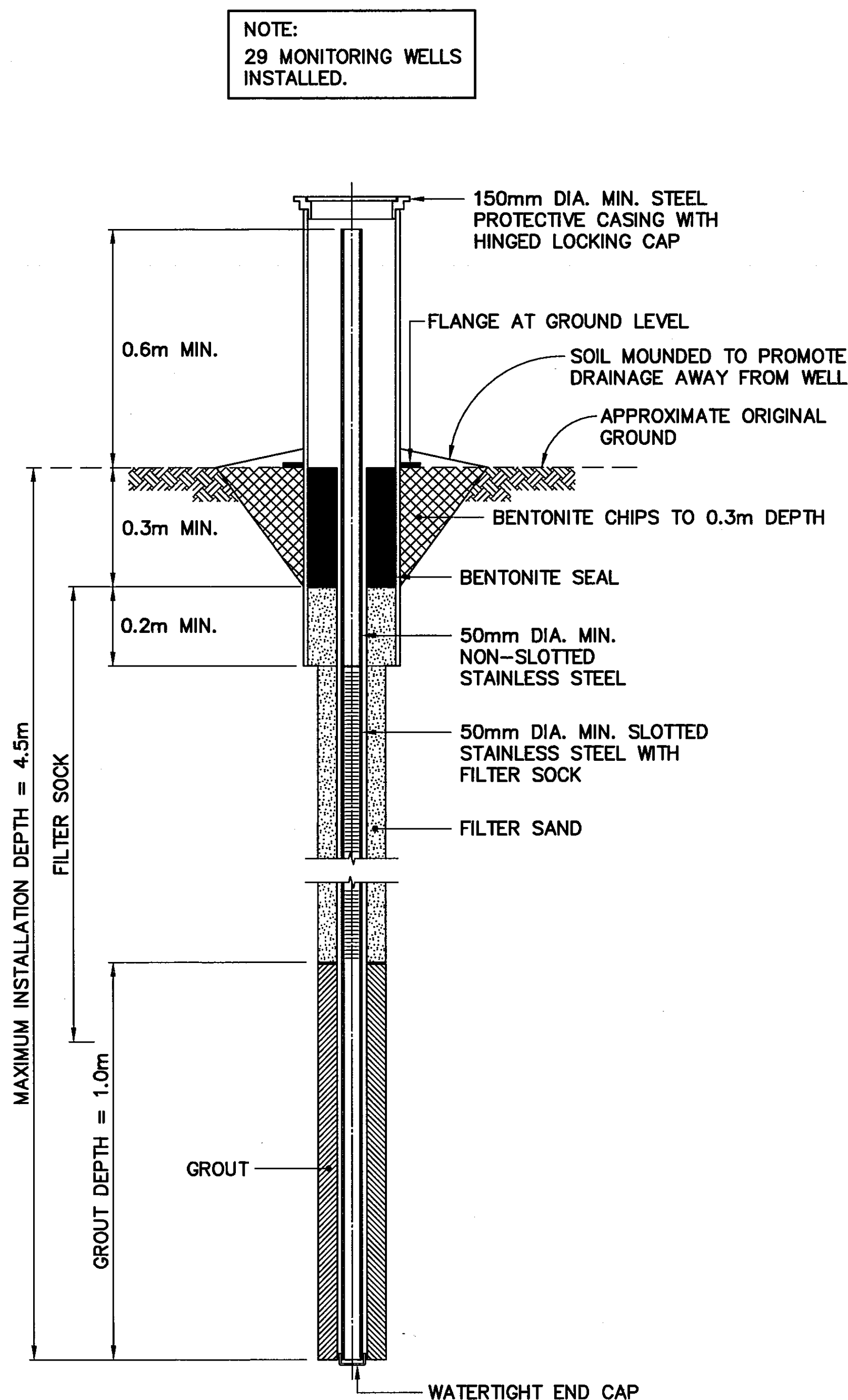
SCALE: NTS
TIER II DISPOSAL FACILITY, VT-5 TO VT-8

STATION AREA NON-HAZARDOUS WASTE LANDFILL MONITORING WELLS (AS-BUILT)			
NO.	COORDINATES		ELEV.
	NORTHING	EASTING	
MW-1	10 271.7	10 025.7	300.1
MW-2	10 256.6	10 086.9	-
MW-3	10 217.0	10 133.3	-
MW-4	10 228.7	10 121.7	303.8
MW-6	10 266.2	10 072.3	301.9
MW-7	10 253.7	10 018.5	302.3
MW-16	10 154.5	10 003.8	313.7

NOTE: FOR MONITORING WELL LOCATIONS, SEE DWG. H-P44/1-9101-105.

TIER II DISPOSAL FACILITY MONITORING WELLS (AS-BUILT)			
NO.	COORDINATES		ELEV.
	NORTHING	EASTING	
MW-5	10 039.3	10 136.9	310.9
MW-8	10 135.4	10 107.9	310.2
MW-9	10 099.2	10 145.6	310.1
MW-11	9 998.8	10 114.0	312.6
MW-14	10 024.4	10 022.3	317.8
MW-15	10 088.3	10 013.9	317.7

NOTE: FOR MONITORING WELL LOCATIONS, SEE DWG. H-P44/1-9101-105.



TYPICAL MONITORING WELL

SCALE: NTS
ALSO, TYPICAL BACKGROUND MONITORING WELL INSTALLATION

UPPER SITE LANDFILL MONITORING WELLS (AS-BUILT)			
NO.	COORDINATES		ELEV.
	NORTHING	EASTING	
MW-10	10 061.4	10 233.7	301.5
MW-12	10 013.3	10 247.3	295.9
MW-13	9 954.9	10 189.6	302.4

NOTE: FOR MONITORING WELL LOCATIONS, SEE DWG. H-P44/1-9101-105.

LOWER SITE LANDFILL MONITORING WELLS (AS-BUILT)			
NO.	COORDINATES		ELEV.
	NORTHING	EASTING	
MW-17	20 590.5	18 795.2	120.4
MW-18	20 523.2	18 727.9	125.3
MW-19	20 440.8	18 700.3	129.0

NOTE: FOR MONITORING WELL LOCATIONS, SEE DWG. H-P44/1-9101-107.

LOWER SITE NON-HAZARDOUS WASTE LANDFILL MONITORING WELLS (AS-BUILT)			
NO.	COORDINATES		ELEV.
	NORTHING	EASTING	
MW-20	20 469.7	18 822.7	135.4
MW-21	20 415.1	18 807.1	138.0
MW-22	20 372.7	18 866.1	137.8
MW-23	20 463.9	18 876.7	135.9

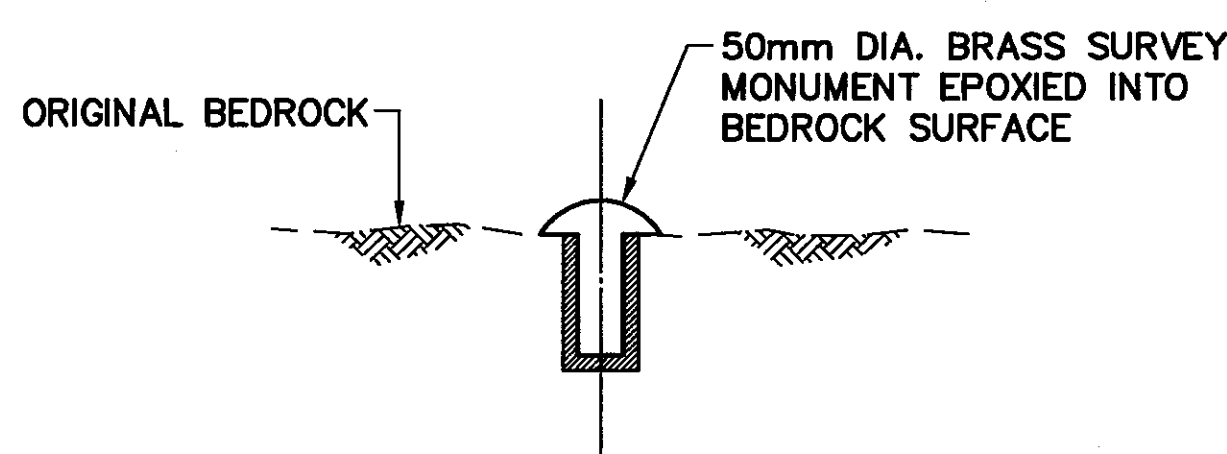
NOTE: FOR MONITORING WELL LOCATIONS, SEE DWG. H-P44/1-9101-107.

LANDFARM MONITORING WELLS (AS-BUILT)			
NO.	COORDINATES		ELEV.
	NORTHING	EASTING	
MW-24	19 681.2	19 626.3	116.0
MW-25	19 735.0	19 712.6	114.6
MW-26	19 624.6	19 747.0	116.8

NOTE: FOR MONITORING WELL LOCATIONS, SEE DWG. H-P44/1-9101-127.

MISCELLANEOUS BACKGROUND MONITORING WELLS (AS-BUILT)			
NO.	COORDINATES		ELEV.
	NORTHING	EASTING	
BMW-1	10 161.0	10 020.8	312.1
BMW-3	9 898.7	9 808.4	319.5
BMW-4	20 365.9	18 677.3	133.9

NOTE: FOR MONITORING WELL LOCATIONS, SEE DWG. H-P44/1-9101-105 AND DWG. H-P44/1-9101-107.



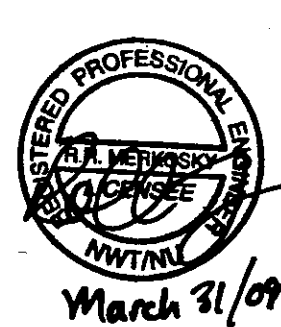
TYPICAL PERMANENT SURVEY CONTROL MONUMENT

SCALE: NTS
ALSO CALLED PERMANENT BENCHMARK

General Notes:

1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.

0	09-03-30	AS-BUILT DRAWING	RAM
No.	DATE	REVISION	REVISION
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PERMIT NUMBER: P639
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SCALE - ECHELLE AS SHOWN

PROJECT - PROJET
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TRADE - MÉTIER	SITING	DATE
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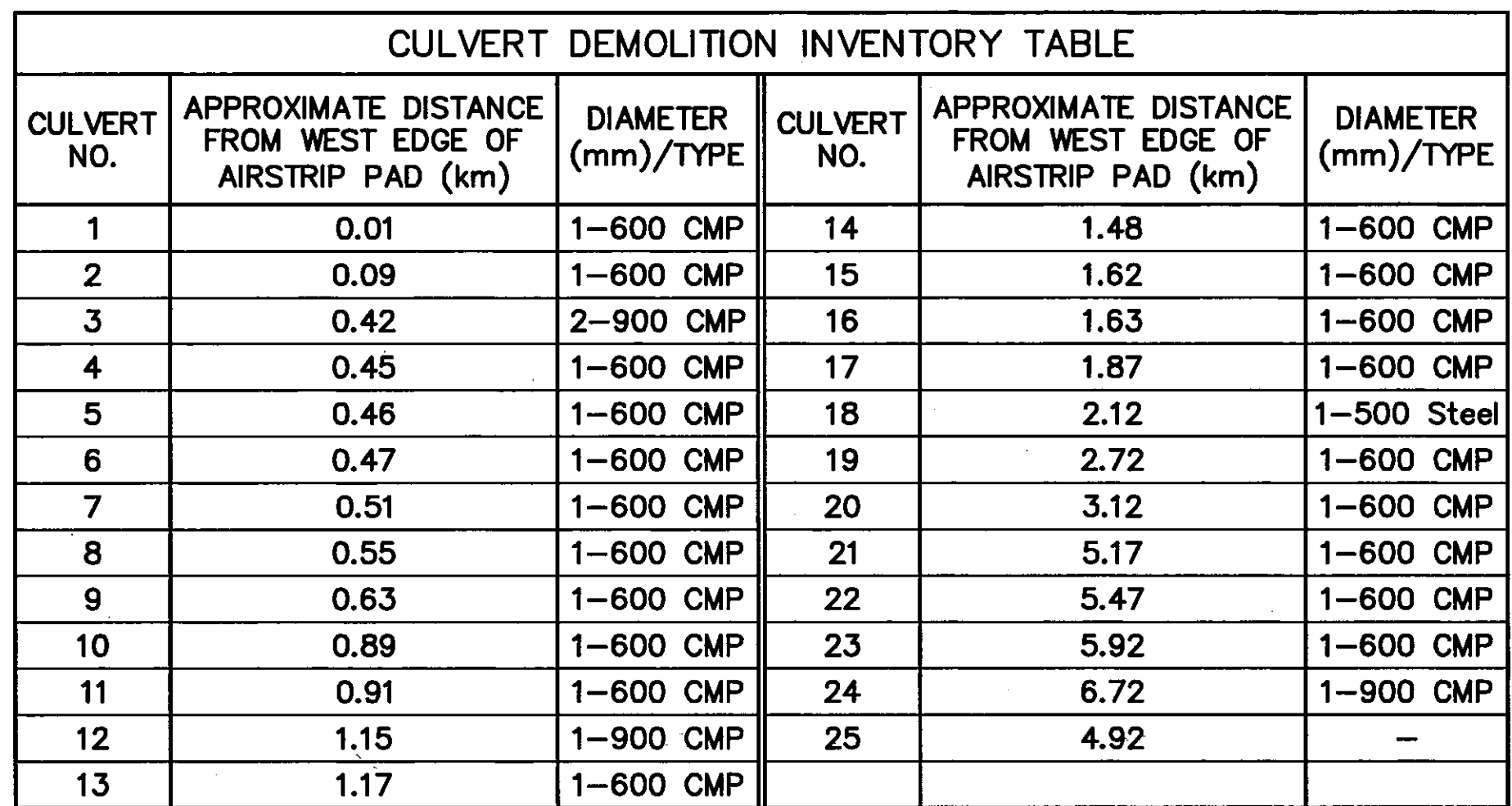
SUBJECT - SUJET

**MISCELLANEOUS DETAILS
SHEET 2**





PRODUCTION		CONCURRENCE - ASSENTIMENT	
DESIGNED ETUDIE	TMS	DES OFF AGENT CONCEPT	
DRAWN DESSINE	LJV	SECT HD CHEF SECT	
CHECKED VERIFIE	KMS	DES MCR GEST CONCEPT	
COORDINATION SMS		REVIEWED - REVU	

DWG. NO. - DESSIN NO.
H-P44/1-9101-135

Canada



CULVERT DEMOLITION INVENTORY TABLE					
CULVERT NO.	APPROXIMATE DISTANCE FROM WEST EDGE OF AIRSTRIP PAD (km)	DIAMETER (mm)/TYPE	CULVERT NO.	APPROXIMATE DISTANCE FROM WEST EDGE OF AIRSTRIP PAD (km)	DIAMETER (mm)/TYPE
1	0.01	1-600 CMP	14	1.48	1-600 CMP
2	0.09	1-600 CMP	15	1.62	1-600 CMP
3	0.42	2-900 CMP	16	1.83	1-600 CMP
4	0.45	1-600 CMP	17	1.87	1-600 CMP
5	0.46	1-600 CMP	18	2.12	1-500 Steel
6	0.47	1-600 CMP	19	2.72	1-600 CMP
7	0.51	1-600 CMP	20	3.12	1-600 CMP
8	0.55	1-600 CMP	21	5.17	1-600 CMP
9	0.63	1-600 CMP	22	5.47	1-600 CMP
10	0.89	1-600 CMP	23	5.92	1-600 CMP
11	0.91	1-600 CMP	24	6.72	1-900 CMP
12	1.15	1-900 CMP	25	4.92	—
13	1.17	1-600 CMP			

- Legend:
- | | |
|---|----------------------|
|  | DEMOLISHED |
|  | UTILITY POLE REMOVED |
|  | CULVERT REMOVED |
|  | BODY OF WATER |

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