

Défense nationale

DEW LINE CLEAN UP PROJECT

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THIS DRAWING PACKAGE HAS BEEN REVISED BASED ON INFORMATION SUPPLIED BY DEFENCE CONSTRUCTION CANADA.

		DRA	WING INDEX		
DRAWING No.	TITLE	DRAWING No.	TITLE	DRAWING No.	TITLE
SITING		SITING		STRUCTURAL	
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H -M27/1-9101-109	UPPER SITE LANDFILL KEY TRENCH EXCAVATION PLAN & GRADING/INSTRUMENTATION PLAN	STRUCTURAL		H -M27/1-9101-213	AIRSTRIP ANCILLARY FACILITIES STANDARD DETAILS
H-M27/1-9101-110	UPPER SITE LANDFILL CROSS SECTION	H-M27/1-9101-201	STATION AREA DEMOLITION SITE PLAN		
H -M27/1-9101-111	LOWER SITE LANDFILL NORTH EXCAVATION PLAN	H-M27/1-9101-202	AIRSTRIP AREA DEMOLITION SITE PLANS	0 227	
H -M27/1-9101-112	LOWER SITE LANDFILL—SOUTH PLAN AND CROSS SECTION	H -M27/1-9101-203	WAREHOUSE PLAN, SECTION AND ELEVATION	COPYRIGHT HER MAJESTY THE QUEEN IN RIGHT OF CANADA 2012, AS REPRESENTED BY THE MINISTER OF NATIONAL DEFENCE.	
H-M27/1-9101-113	LOWER SITE LANDFILL—SOUTH CROSS SECTION	H-M27/1-9101-204	GARAGE PLAN AND SECTION		

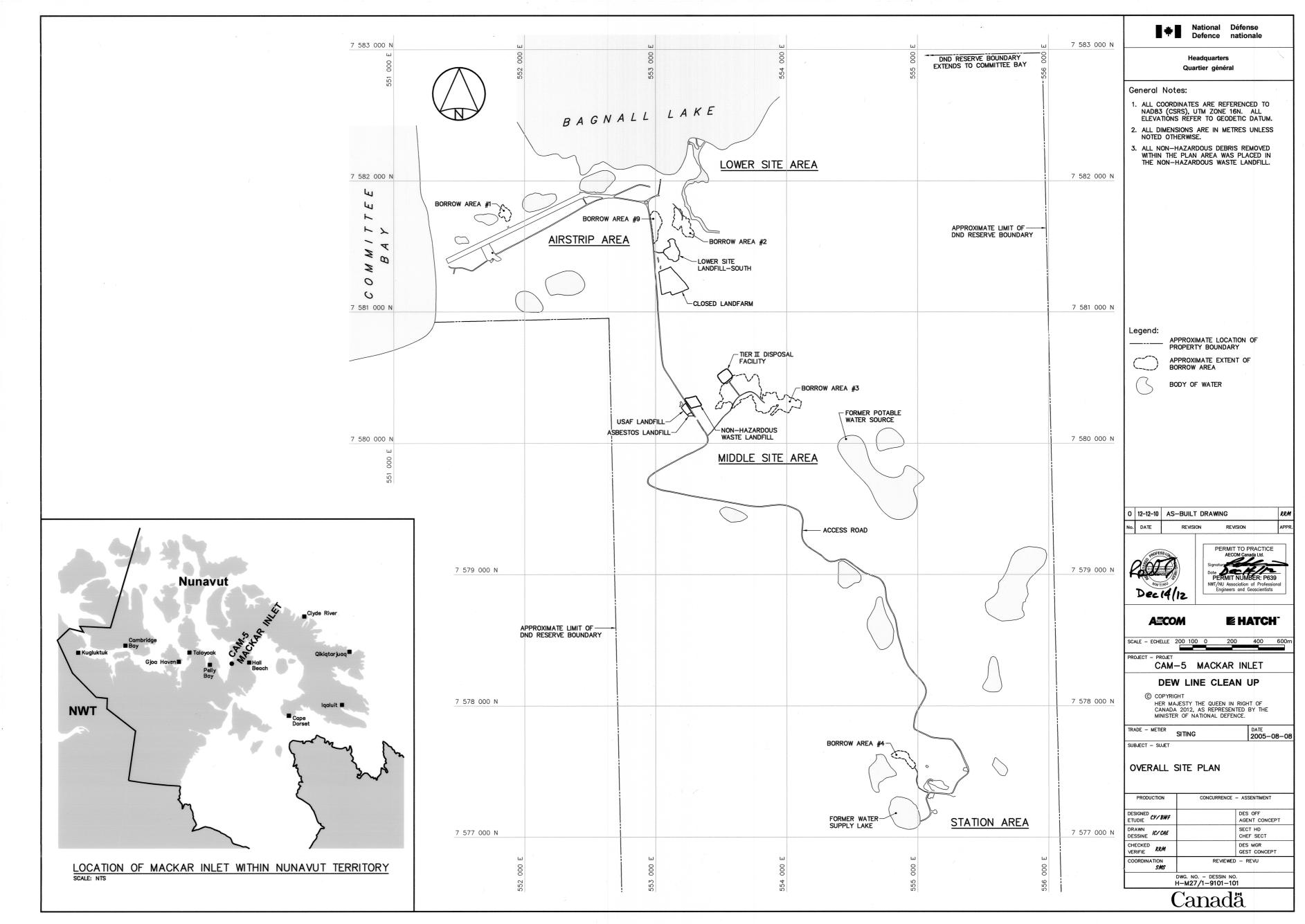


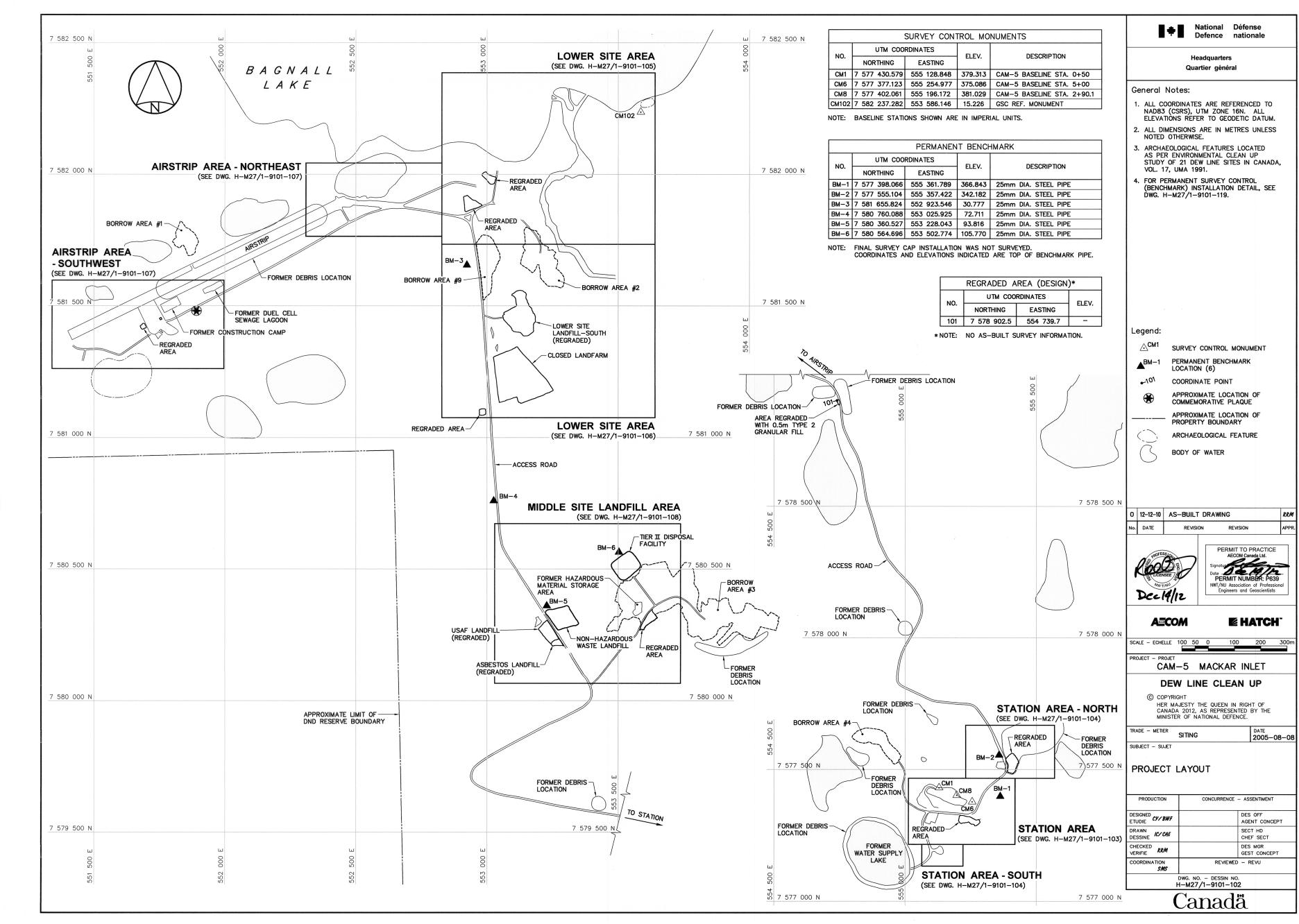
CAM-5 MACKAR INLET AS-BUILT DRAWINGS

A=COM



DECEMBER, 2012





SURVEY CONTROL MONUMENTS					
	UTM COORDINATES		ELEV.	DECODIDETON	
NO.	NORTHING	EASTING	- ELEV. DESCRIPTION	DESCRIPTION	
CM1	7 577 430.579	555 128.848	379.313	CAM-5 BASELINE STA. 0+50	
СМ6	7 577 377.123	555 254.977	375.086	CAM-5 BASELINE STA. 5+00	
СМ8	7 577 402.061	555 196.172	381.029	CAM-5 BASELINE STA. 2+90.1	

NOTE: BASELINE STATIONS SHOWN ARE IN IMPERIAL UNITS.

	PERMANENT BENCHMARK					
NO	UTM COORDINATES		ELEV.	DESCRIPTION		
NO.	NORTHING	EASTING	ELEV.	DESCRIPTION		
BM-1	7 577 398.066	555 361.789	366.843	25mm DIA. STEEL PIPE		

NOTE: FINAL SURVEY CAP INSTALLATION WAS NOT SURVEYED.
COORDINATES AND ELEVATIONS INDICATED ARE TOP OF BENCHMARK PIPE.

MATCH LINE

NO. UTM COORDINATES ELEV.		REGRADED AREA (AS-BUILT)				
NORTHING EASTING 201 7 577 321.6 555 207.6 371.7 202 7 577 323.5 555 220.0 372.7 203 7 577 319.7 555 241.5 372.3 204 7 577 307.6 555 270.0 372.1 205 7 577 307.9 555 281.3 369.5 206 7 577 300.4 555 283.1 368.7 207 7 577 288.4 555 268.7 368.1 208 7 577 293.3 555 252.8 369.0 209 7 577 297.0 555 213.9 371.1	NO	итм соо	RDINATES	ELEV/		
202 7 577 323.5 555 220.0 372.7 203 7 577 319.7 555 241.5 372.3 204 7 577 307.6 555 270.0 372.1 205 7 577 307.9 555 281.3 369.5 206 7 577 300.4 555 283.1 368.7 207 7 577 288.4 555 268.7 368.1 208 7 577 293.3 555 252.8 369.0 209 7 577 297.0 555 242.5 370.0 210 7 577 297.0 555 213.9 371.1	NO.	NORTHING	EASTING	ELEV.		
203 7 577 319.7 555 241.5 372.3 204 7 577 307.6 555 270.0 372.1 205 7 577 307.9 555 281.3 369.5 206 7 577 300.4 555 283.1 368.7 207 7 577 288.4 555 268.7 368.1 208 7 577 293.3 555 252.8 369.0 209 7 577 297.0 555 213.9 371.1	201	7 577 321.6	555 207.6	371.7		
204 7 577 307.6 555 270.0 372.1 205 7 577 307.9 555 281.3 369.5 206 7 577 300.4 555 283.1 368.7 207 7 577 288.4 555 268.7 368.1 208 7 577 293.3 555 252.8 369.0 209 7 577 302.4 555 242.5 370.0 210 7 577 297.0 555 213.9 371.1	202	7 577 323.5	555 220.0	372.7		
205 7 577 307.9 555 281.3 369.5 206 7 577 300.4 555 283.1 368.7 207 7 577 288.4 555 268.7 368.1 208 7 577 293.3 555 252.8 369.0 209 7 577 302.4 555 242.5 370.0 210 7 577 297.0 555 213.9 371.1	203	7 577 319.7	555 241.5	372.3		
206 7 577 300.4 555 283.1 368.7 207 7 577 288.4 555 268.7 368.1 208 7 577 293.3 555 252.8 369.0 209 7 577 302.4 555 242.5 370.0 210 7 577 297.0 555 213.9 371.1	204	7 577 307.6	555 270.0	372.1		
207 7 577 288.4 555 268.7 368.1 208 7 577 293.3 555 252.8 369.0 209 7 577 302.4 555 242.5 370.0 210 7 577 297.0 555 213.9 371.1	205	7 577 307.9	555 281.3	369.5		
208 7 577 293.3 555 252.8 369.0 209 7 577 302.4 555 242.5 370.0 210 7 577 297.0 555 213.9 371.1	206	7 577 300.4	555 283.1	368.7		
209 7 577 203.4 555 242.5 370.0 210 7 577 297.0 555 213.9 371.1	207	7 577 288.4	555 268.7	368.1		
210 7 577 297.0 555 213.9 371.1	208	7 577 293.3	555 252.8	369.0		
210 7 077 20710 000 21010	209	7 577 302.4	555 242.5	370.0		
211 7 577 305.4 555 205.3 371.0	210	7 577 297.0	555 213.9	371.1		
	211	7 577 305.4	555 205.3	371.0		

NOTE:

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

NOTE:

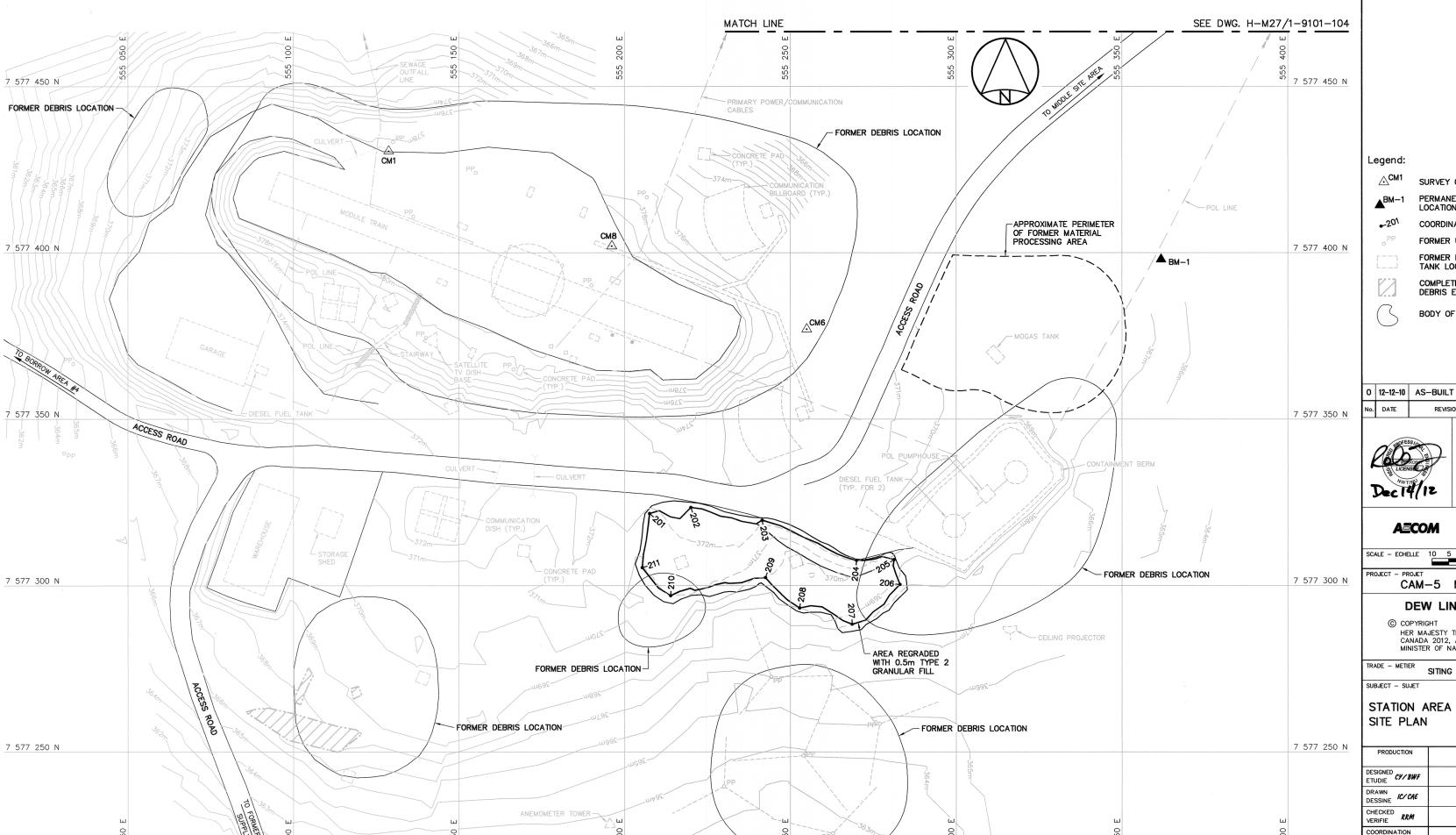
CONTOURS SHOWN AS DASHED LINES WERE GENERATED FROM SURVEY INFORMATION AND REPRESENT FINISHED GROUND SURFACE FOLLOWING REGRADING OR RESHAPING.



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General Notes:

- ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 16N. ALL ELEVATIONS REFER TO GEODETIC DATUM.
- 2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- 3. FOR PERMANENT SURVEY CONTROL (BENCHMARK) INSTALLATION DETAIL, SEE DWG. H-M27/1-9101-119.



SEE DWG. H-M27/1-9101-104

SURVEY CONTROL MONUMENT

PERMANENT BENCHMARK LOCATION (1) COORDINATE POINT

FORMER UTILITY POLE

FORMER BUILDING, STRUCTURE OR TANK LOCATION COMPLETED LANDFILL OR BURIED DEBRIS EXCAVATION

BODY OF WATER

0 12-12-10 AS-BUILT DRAWING





EHATCH

CAM-5 MACKAR INLET

DEW LINE CLEAN UP

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STATION AREA

DESIGNED CY/BWF AGENT CONCEPT SECT HD CHEF SECT DRAWN DESSINE IC/CAE CHECKED VERIFIE RRM DES MGR GEST CONCEPT

DWG. NO. - DESSIN NO. H-M27/1-9101-103



7 577 200 N	AREA SOTA	30,	, SO	7 577 200 N		
	1 1				NO.	NOR
W N N	ROAD				BM-2	7 577
3600	(S)		-361m		NOTE:	FINAL

7 377 200 11		7 377 200 11
AREL AREA	9///	
	4///3	
	1///2	
\$ P	-361m	
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	FORMER DEBRIS LOCATION	
	TORMER BEBRIS LOOK HOW	
JA ER		7 577 450 11
TO COMET WITE		7 577 150 N
100 E 1100 E	150 E	
1 1 1 1 2	52	

STATION AREA-SOUTH

PERMANENT BENCHMARK					
NO.	UTM COORDINATES		ELEV.	DESCRIPTION	
NO.	NORTHING	EASTING	ELEV.	DESCRIP HON	
BM-2	7 577 555.104	555 357.422	342.182	25mm DIA. STEEL PIPE	

AL SURVEY CAP INSTALLATION WAS NOT SURVEYED.

RDINATES AND ELEVATIONS INDICATED ARE TOP OF BENCHMARK PIPE.

OIE:
OR DETAILS REGARDING CONFIRMATORY
ESTING INFORMATION, REFER TO FINAL
EPORT PREPARED BY THE ENVIRONMENTAL
CIENCES GROUP, ROYAL MILITARY COLLEGE.

NO.			ELEV.
NO.	NORTHING	EASTING	ELEV.
301	7 577 558.7	555 405.6	342.0
302	7 577 549.4	555 417.9	342.4
303	7 577 533.0	555 429.4	342.5
304	7 577 521.1	555 424.6	344.3
305	7 577 504.9	555 419.9	347.9
306	7 577 488.6	555 409.5	349.6
307	7 577 493.3	555 393.3	349.3
308	7 577 519.4	555 392.6	346.2
309	7 577 542.0	555 385.8	344.1

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:

- 1. ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 16N. ALL ELEVATIONS REFER TO GEODETIC DATUM.
- 2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- 3. FOR PERMANENT SURVEY CONTROL (BENCHMARK) INSTALLATION DETAIL, SEE DWG. H-M27/1-9101-119.

Legend:

PERMANENT BENCHMARK LOCATION (1)

-301 COORDINATE POINT

FORMER BUILDING, STRUCTURE OR TANK LOCATION

COMPLETED LANDFILL OR BURIED DEBRIS EXCAVATION

BODY OF WATER

0 12-12-10 AS-BUILT DRAWING No. DATE



SCALE - ECHELLE 10



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DEW LINE CLEAN UP

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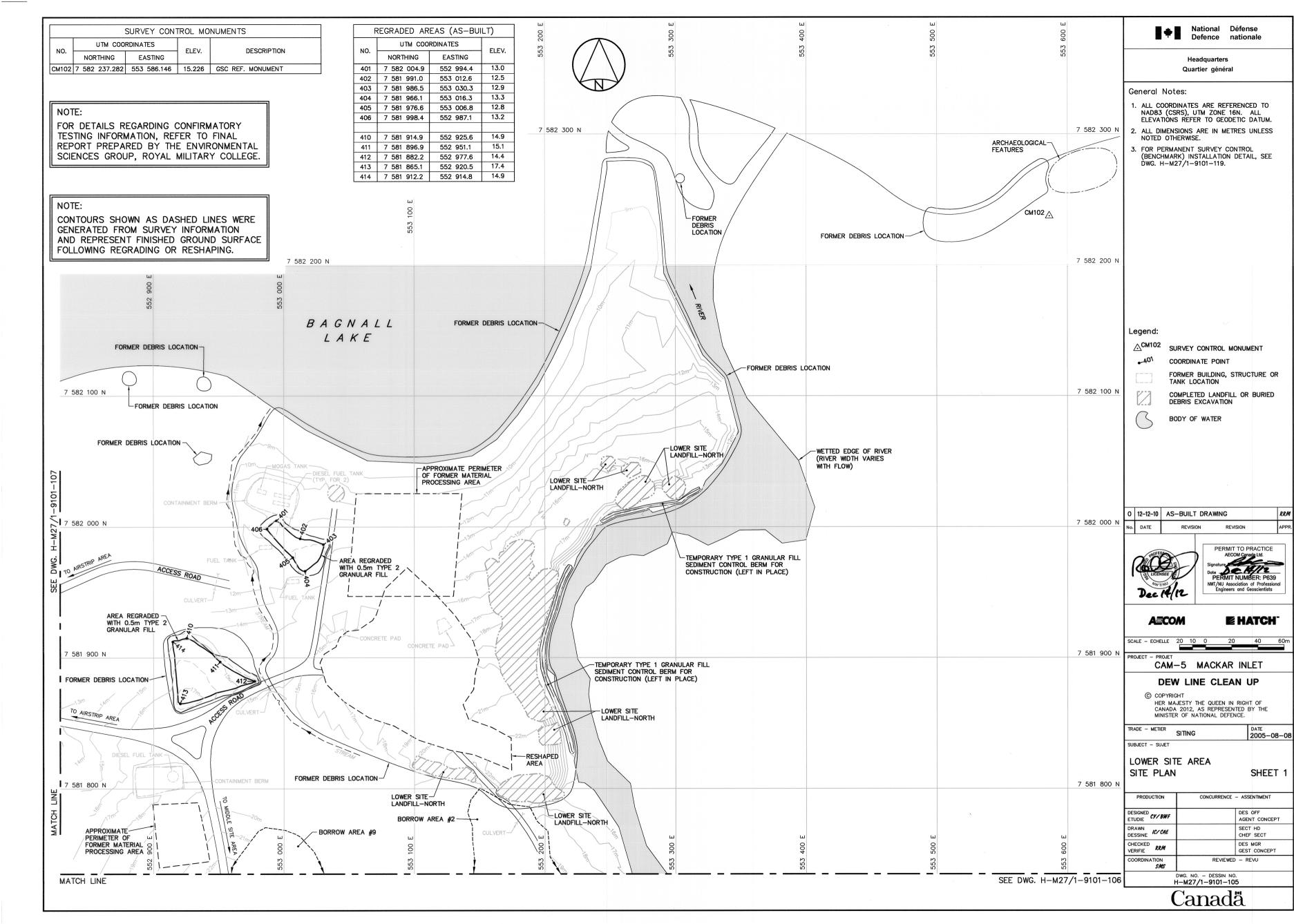
TRADE - METIER SITING 2005-08-08

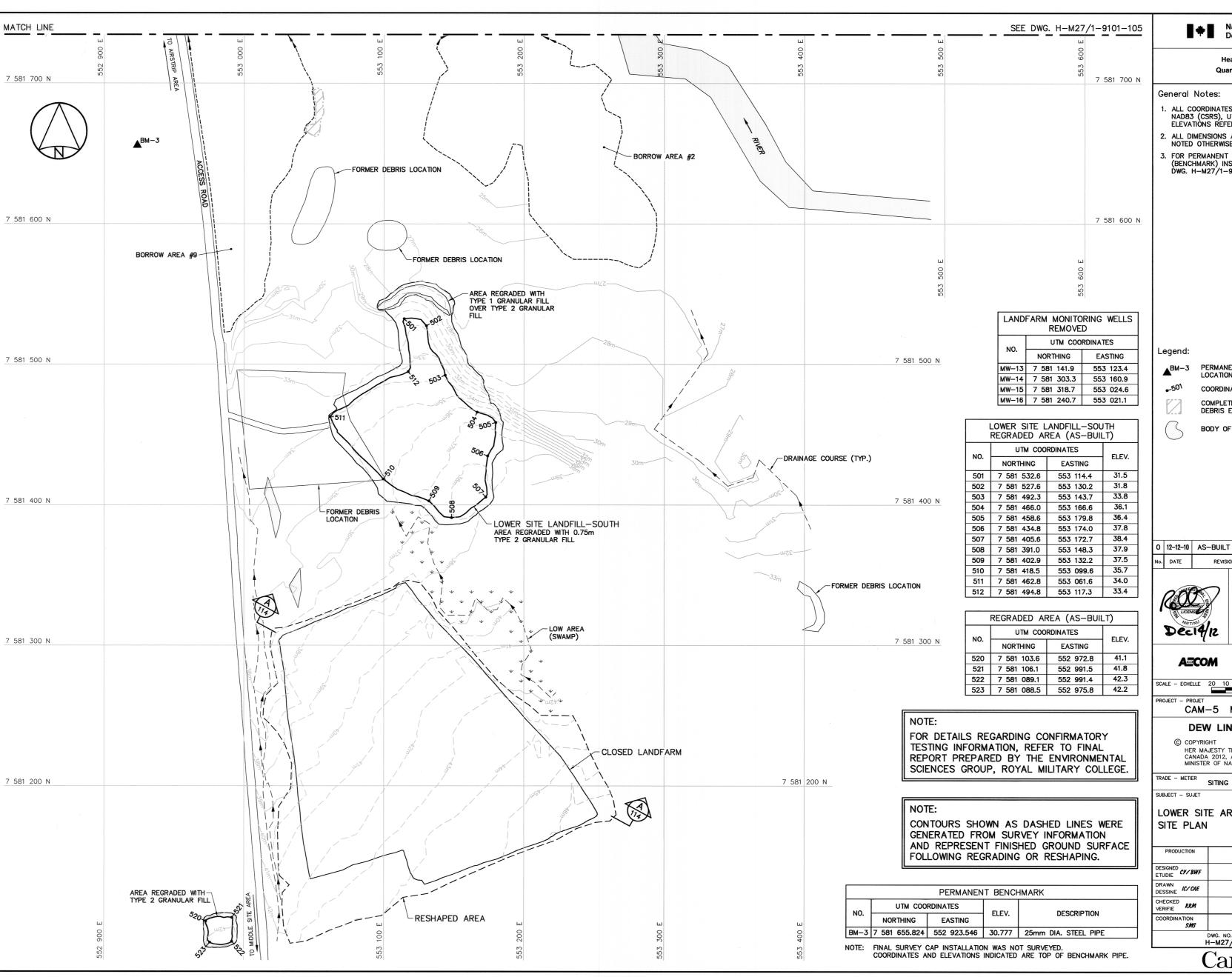
SUBJECT - SUJET

STATION AREA NORTH AND SOUTH SITE PLANS

PRODUCTION	N CONCURRENCE - ASSENTIMENT		
DESIGNED CY/BWF		DES OFF AGENT CONCEPT	_
DRAWN DESSINE IC/CAE		SECT HD CHEF SECT	
CHECKED KRM		DES MGR GEST CONCEPT	
COORDINATION SMS	REVIEWED	- REVU	
	DWG. NO DESSIN NO		

H-M27/1-9101-104 Canadä





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- ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 16N. ALL ELEVATIONS REFER TO GEODETIC DATUM.
- 2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- 3. FOR PERMANENT SURVEY CONTROL (BENCHMARK) INSTALLATION DETAIL, SEE DWG. H-M27/1-9101-119.

PERMANENT BENCHMARK LOCATION (1)

COORDINATE POINT

COMPLETED LANDFILL OR BURIED DEBRIS EXCAVATION

BODY OF WATER

0 12-12-10 AS-BUILT DRAWING PERMIT TO PRACTICE



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2005-08-08

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DEW LINE CLEAN UP

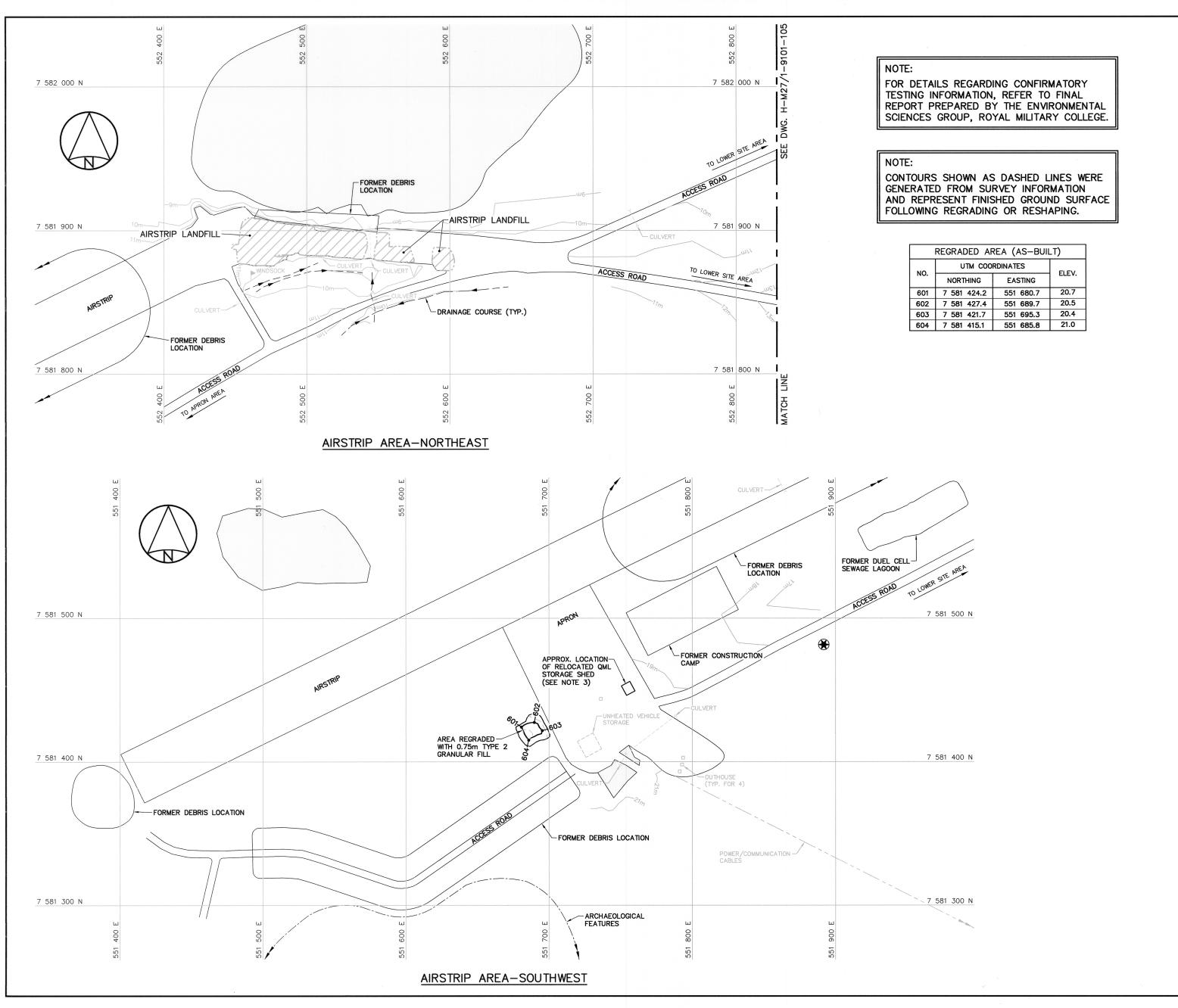
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LOWER SITE AREA

SHEET 2

DES OFF AGENT CONCEPT SECT HD CHEF SECT DES MGR GEST CONCEPT REVIEWED - REVU

DWG. NO. - DESSIN NO. H-M27/1-9101-106



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General Notes:

- 1. ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 16N. ALL ELEVATIONS REFER TO GEODETIC DATUM.
- 2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- 3. FOR PLAN AND SECTION OF RELOCATED QML STORAGE SHED, SEE DWG. H-M27/1-9101-208.

Legend:

COORDINATE POINT

APPROXIMATE LOCATION OF COMMEMORATIVE PLAQUE

FORMER BUILDING, STRUCTURE OR TANK LOCATION

COMPLETED LANDFILL OR BURIED DEBRIS EXCAVATION

BODY OF WATER

0 12-12-10 AS-BUILT DRAWING



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DEW LINE CLEAN UP

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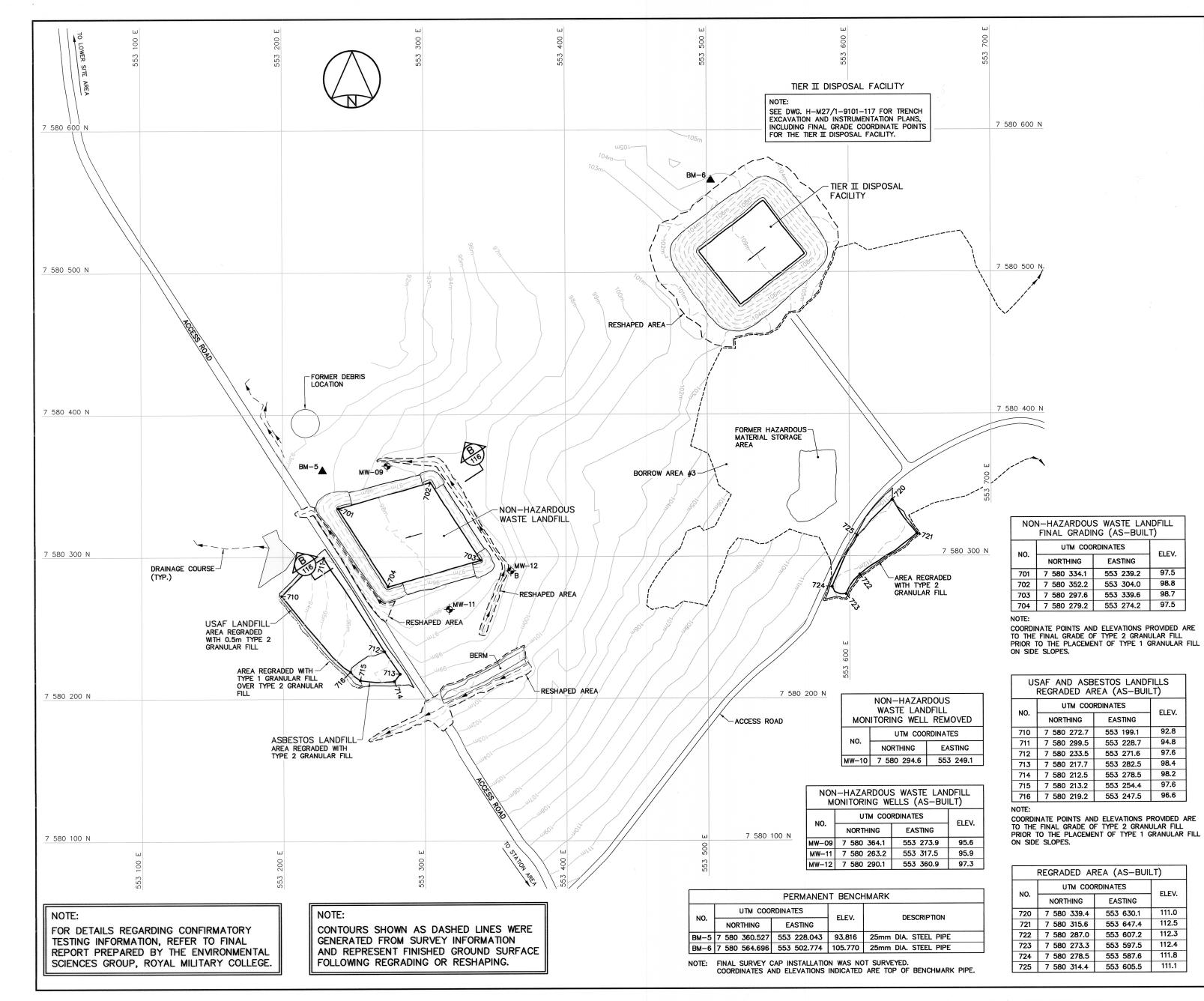
TRADE - METIER SITING SUBJECT - SUJET

DATE 2005-08-08

AIRSTRIP AREA SITE PLANS

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

DWG. NO. - DESSIN NO. H-M27/1-9101-107



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General Notes:

- ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 16N. ALL ELEVATIONS REFER TO GEODETIC DATUM.
- 2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- 3. FOR PERMANENT SURVEY CONTROL (BENCHMARK) INSTALLATION DETAIL, SEE DWG. H-M27/1-9101-119.
- 4. FOR MONITORING WELL INSTALLATION DETAIL, SEE DWG. H-M27/1-9101-119.

Legend:

EASTING

EASTING

553 199.1

553 228.7

553 271.6

553 278.5

553 254.4

553 630.1

553 647.4

553 607.2

553 597.5

553 587.6

553 239.2

553 304.0 98.8

97.5

97.5

ELEV.

94.8

97.6

98.4 98.2

111.0

112.5

112.3

112.4

111.8

111.1

PERMANENT BENCHMARK LOCATION (2)

COORDINATE POINT

MONITORING WELL LOCATION (2)

BACKGROUND MONITORING WELL LOCATION (1)

BODY OF WATER

0 12-12-10 AS-BUILT DRAWING No. DATE





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CAM-5 MACKAR INLET

DEW LINE CLEAN UP

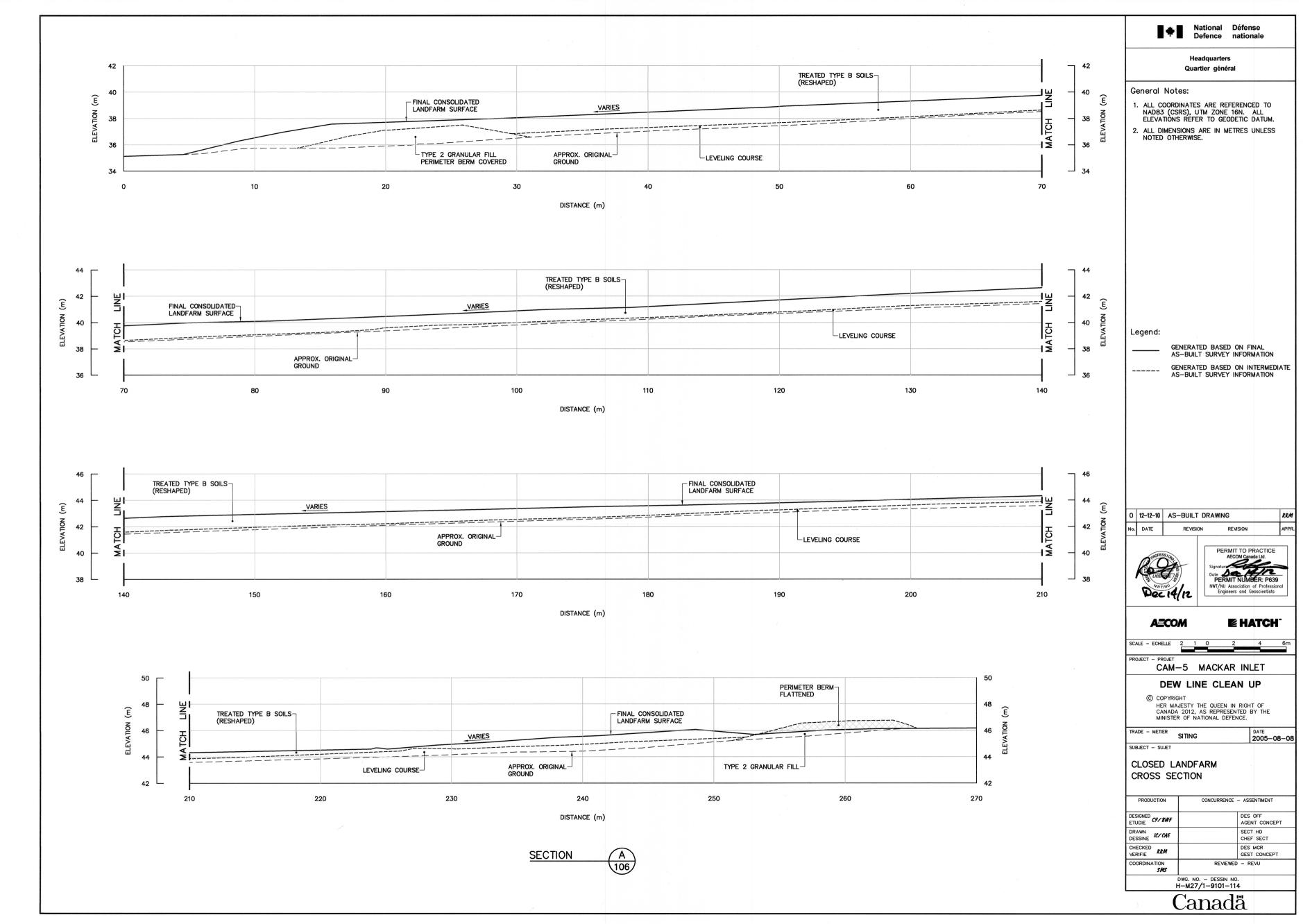
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CALE - ECHELLE

TRADE - METIER SITING 2005-08-08

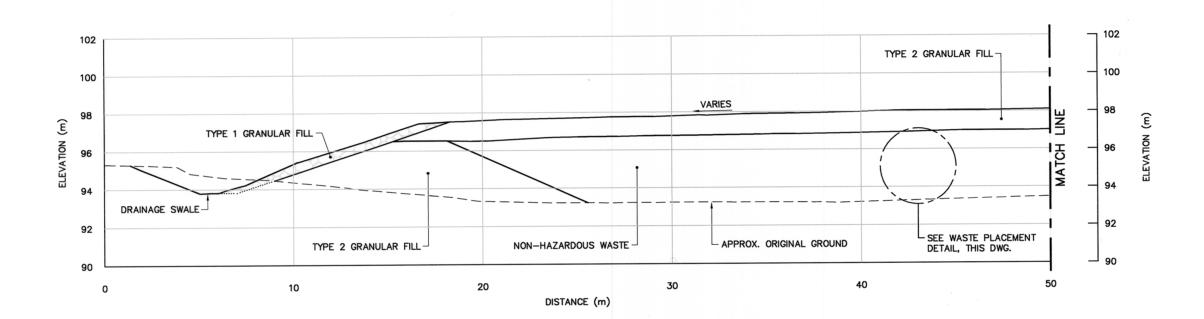
MIDDLE SITE LANDFILL AREA SITE PLAN

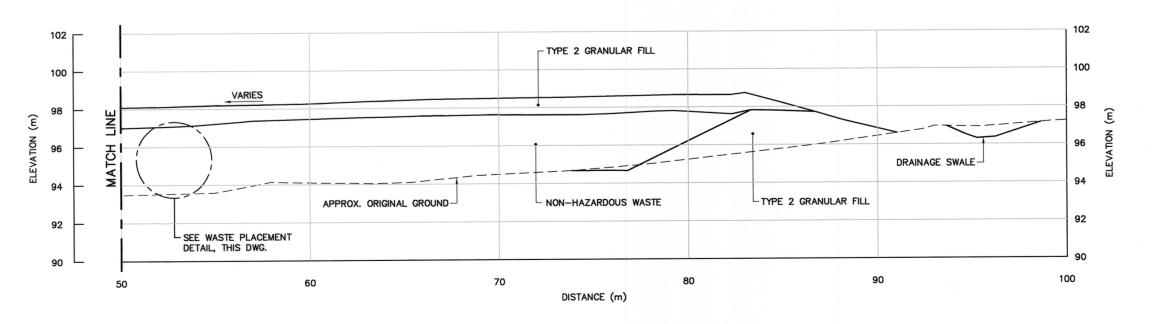
CONCURRENCE - ASSENTIMENT SECT HD CHEF SECT RAWN ESSINE IC/CAE CHECKED RRM DES MGR GEST CONCEPT DWG. NO. - DESSIN NO. H-M27/1-9101-108



TYPE 2 GRANULAR FILL ~~~ INTERMEDIATE COVER (TYPE 6 GRANULAR FILL) WASTE WASTE ~~~**`** INTERMEDIATE COVER (TYPE 6 GRANULAR FILL) WASTE WASTE

WASTE PLACEMENT DETAIL





SECTION



Headquarters Quartier général

General Notes:

- ALL COORDINATES ARE REFERENCED TO NADB3 (CSRS), UTM ZONE 16N. ALL ELEVATIONS REFER TO GEODETIC DATUM.
- 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

RRM 0 12-12-10 AS-BUILT DRAWING





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SUBJECT - SUJET

NON-HAZARDOUS WASTE LANDFILL CROSS SECTION

CONCURRENCE - ASSENTIMENT PRODUCTION DES OFF AGENT CONCEPT DESIGNED CY/BWF DRAWN DESSINE IC/CAE SECT HD CHEF SECT CHECKED VERIFIE RRM DES MGR GEST CONCEPT REVIEWED - REVU DWG. NO. - DESSIN NO. H-M27/1-9101-116



TIER II DISPOSAL FACILITY KEY TRENCH EXCAVATION (AS-BUILT)		
NO. UTM COORDINATES		RDINATES
NO.	NORTHING	EASTING
801	7 580 514.6	553 492.5
802	7 580 550.8	553 539.9
803	7 580 512.7	553 570.8
804	7 580 476.5	553 522.5

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

NOTE:

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

TIER II DISPOSAL FACILITY FINAL GRADING (AS—BUILT)			
NO	UTM COORDINATES		ELEV.
NO.	NORTHING	EASTING	ELEV.
810	7 580 515.0	553 494.4	108.0
811	7 580 550.1	553 539.6	109.7
812	7 580 513.0	553 568.9	109.9
813	7 580 477.4	553 523.6	108.1

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

TIER II DISPOSAL FACILITY MONITORING WELLS (AS-BUILT)			
NO	UTM COORDINATES		ELEV.
NO.	NORTHING	EASTING	ELEV.
MW-05	7 580 574.5	553 539.0	104.3
MW-06	7 580 505.5	553 463.9	101.2
MW-07	7 580 469.7	553 488.5	100.9
MW-08	7 580 445.4	553 516.0	102.5

GROUND TEMPERATURE CABLES (AS-BUILT)			
NO.	UTM COORDINATES		ELEV.
NO.	NORTHING	EASTING	ELEV.
VT-1	7 580 525.5	553 505.3	108.4
VT-2	7 580 525.5	553 546.1	109.6
VT-3	7 580 502.6	553 517.1	108.3
VT-4	7 580 502.6	553 557.8	109.2

PERMANENT BENCHMARK UTM COORDINATES NO. DESCRIPTION ELEV. NORTHING EASTING BM-6 7 580 564.696 553 502.774 105.770 25mm DIA. STEEL PIPE

NOTE: FINAL SURVEY CAP INSTALLATION WAS NOT SURVEYED. COORDINATES AND ELEVATIONS INDICATED ARE TOP OF BENCHMARK PIPE.

National Défense Defence nationale

Quartier général

General Notes:

7 580 600 N

7 580 550 N

7 580 500 N

7 580 450 N

7 580 400 N

- ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 16N. ALL ELEVATIONS REFER TO GEODETIC DATUM.
- 2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- 3. KEY TRENCH WAS TO EXTEND 1.5m MIN. BELOW EXISTING GROUND. EXCAVATION DEPTH WAS FIELD CONFIRMED BY THE SITE ENGINEER, BASED ON THE PRESENCE OF SOUND BEDROCK OR SATURATED GROUND.
- FOR PERMANENT SURVEY CONTROL (BENCHMARK) INSTALLATION DETAIL, SEE DWG. H-M27/1-9101-119.
- 5. FOR MONITORING WELL INSTALLATION DETAILS, SEE DWG. H-M27/1-9101-119.
- 6. FOR GROUND TEMPERATURE CABLE INSTALLATION DETAIL, SEE DWG. H-M27/1-9101-119.



PERMANENT BENCHMARK LOCATION (1)

COORDINATE POINT

MONITORING WELL LOCATION (3)

₱ BACKGROUND MONITORING WELL LOCATION (1) GROUND TEMPERATURE CABLE LOCATION (4)

0 12-12-10 AS-BUILT DRAWING





REVISION

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■ HATCH

SCALE - ECHELLE 10 5

CAM-5 MACKAR INLET

DEW LINE CLEAN UP

HER MAJESTY THE QUEEN IN RIGHT OF CANADA 2012, AS REPRESENTED BY THE MINISTER OF NATIONAL DEFENCE.

DATE 2005-08-08

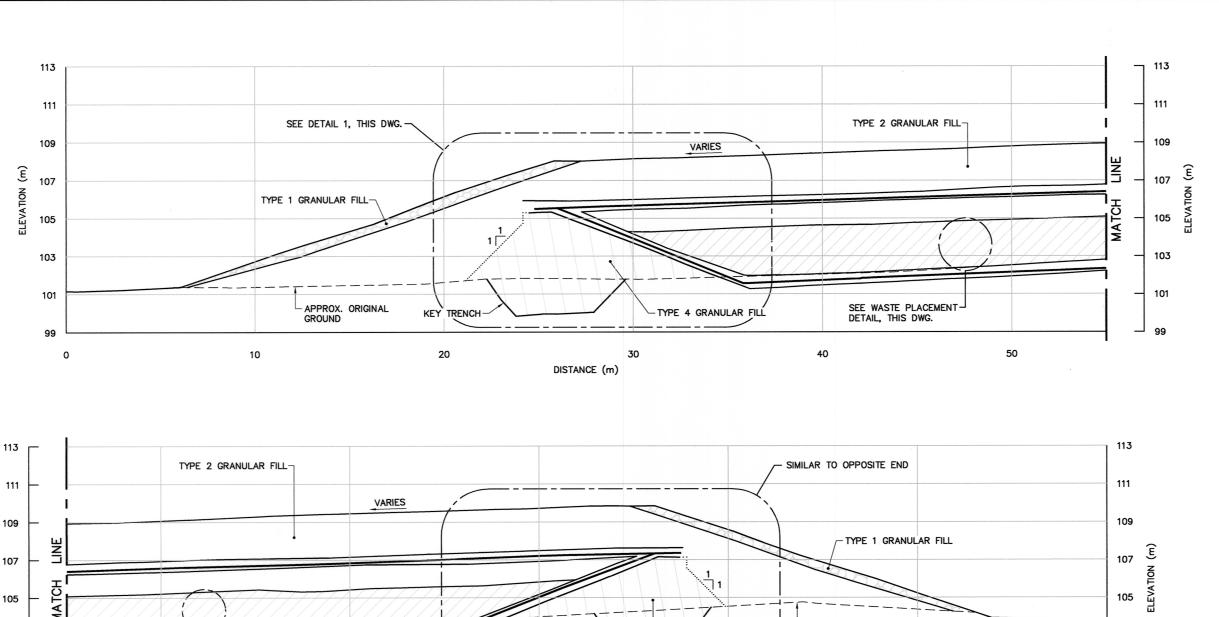
TRADE - METIER SITING

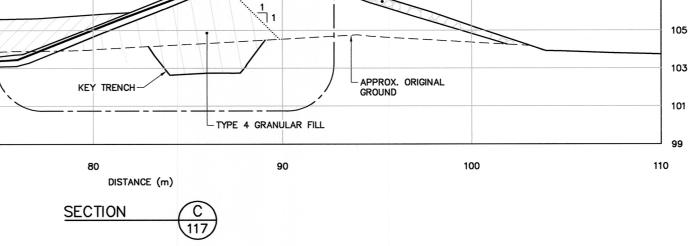
TIER II DISPOSAL FACILITY KEY TRENCH EXCAVATION PLAN & GRADING/INSTRUMENTATION PLAN

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

DWG. NO. - DESSIN NO. H-M27/1-9101-117







LINERS WERE IN CONTACT WITH EACH OTHER OVER TOP OF BERM AND PERIMETER WAS WELDED. --- 2.15m TYPE 2 GRANULAR FILL GEOMEMBRANE LINERS WERE PROTECTED DURING INTERIM CONSTRUCTION. - 0.3m TYPE 5 GRANULAR FILL - 0.15m TYPE 5 GRANULAR FILL • 1.2m TYPE 2 GRANULAR FILL DCC TIER II CONTAMINATED SOIL - 0.3m TYPE 5 GRANULAR FILL - 0.15m TYPE 5 GRANULAR FILL APPROX. ORIGINAL - GROUND GEOTEXTILE TYPE 4 GRANULAR FILL SEE NOTE 3 - GEOTEXTILE DETAIL

(118)

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SEE WASTE PLACEMENT DETAIL, THIS DWG.

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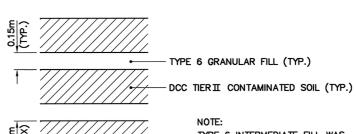
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NOTE:



TYPE 6 INTERMEDIATE FILL WAS ONLY REQUIRED FOR LANDFILLING OF ORGANIC OR WET SOILS, AS DIRECTED BY THE ENGINEER.

WASTE PLACEMENT DETAIL SCALE: NTS



Headquarters Quartier général

General Notes:

- ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 16N. ALL ELEVATIONS REFER TO GEODETIC DATUM.
- 2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- 3. KEY TRENCH WAS TO EXTEND 1.5m MIN. BELOW EXISTING GROUND. EXCAVATION DEPTH WAS FIELD CONFIRMED BY THE SITE ENGINEER, BASED ON THE PRESENCE OF SOUND BEDROCK OR SATURATED GROUND.

Legend:

GENERATED BASED ON AS-BUILT SURVEY INFORMATION

CONSTRUCTED AS PER DESIGN, NO AS-BUILT SURVEY INFORMATION

0 12-12-10 AS-BUILT DRAWING



SCALE - ECHELLE



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CAM-5 MACKAR INLET

DEW LINE CLEAN UP

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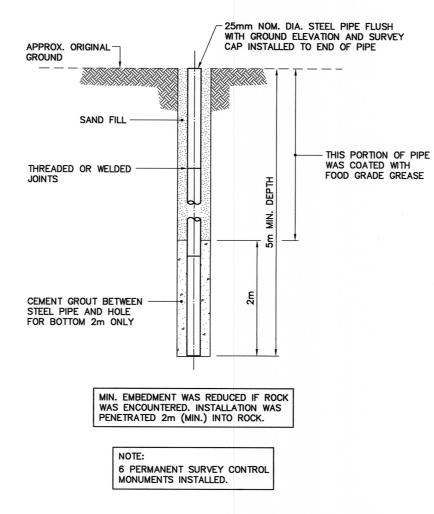
HER MAJESTY THE QUEEN IN RIGHT OF
CANADA 2012, AS REPRESENTED BY THE
MINISTER OF NATIONAL DEFENCE.

TRADE - METIER SITING DATE 2005-08-08

SUBJECT - SUJET

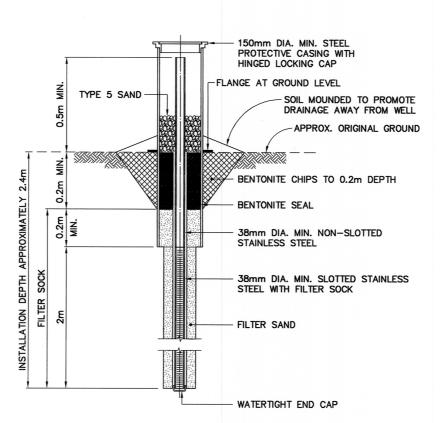
TIER II DISPOSAL FACILITY CROSS SECTION AND DETAIL

PRODUCTION	CONCURRENCE - ASSENTIMENT	
DESIGNED BWF		DES OFF AGENT CONCEPT
DRAWN DESSINE IC/CAE		SECT HD CHEF SECT
CHECKED RRM VERIFIE		DES MGR GEST CONCEPT
COORDINATION SMS	REVIEWED — REVU	
DWG. NO. – DESSIN NO.		



TYPICAL PERMANENT SURVEY CONTROL MONUMENT

ALSO KNOWN AS PERMANENT BENCHMARK

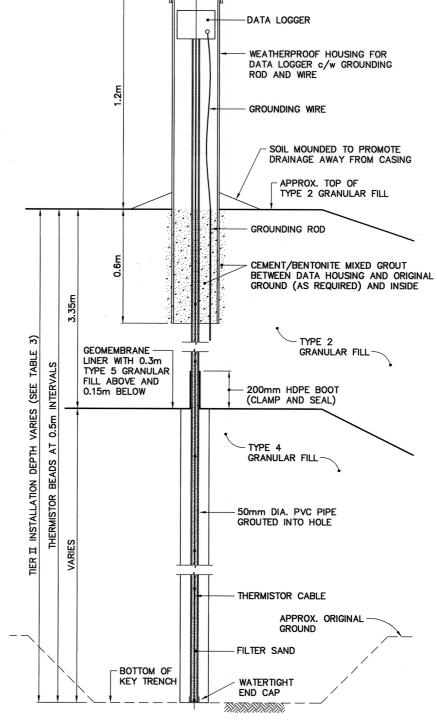


TYPICAL MONITORING WELL

SCALE: NTS FOR BEDROCK DEPTH < 0.7m
INCLUDING TYPICAL BACKGROUND MONITORING WELL INSTALLATION

GROUND TEMPERATURE CABLE INSTALLATION APPROXIMATE DEPTH BELOW INSTRUMENT COMMENTS FINAL GRADE (m) TIER II DISPOSAL FACILITY INSTALLED THROUGH CENTRE LINE OF BERM TO INVERT OF KEY TRENCH. VT-1 7.00 INSTALLED TO 1.0m ABOVE ELEVATION OF BOTTOM LINER. VT-2 5.25 INSTALLED TO 1.0m ABOVE ELEVATION OF BOTTOM LINER. 5.72 VT-3 INSTALLED THROUGH CENTRE LINE OF BERM TO INVERT OF KEY TRENCH. VT-4 6.80

LOCKING CAP WITH LOCK



TYPICAL GROUND TEMPERATURE CABLE SCALE: NTS



Headquarters Quartier général

National Défense

General Notes:

- 1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- 2. LOCATIONS OF INSTRUMENTATION ARE SHOWN ON THE DRAWINGS INCLUDING COORDINATE TABLES.

12-12-10 AS-BUILT DRAWING

REVISION

REVISION

PERMIT TO PRACTICE PERMIT TO PRACTICE AECOM Canada Ltd.

Signatur

Date PERMIT NUMBER: P639

PERMIT NUMBER: P639

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DATE 2005-08-08

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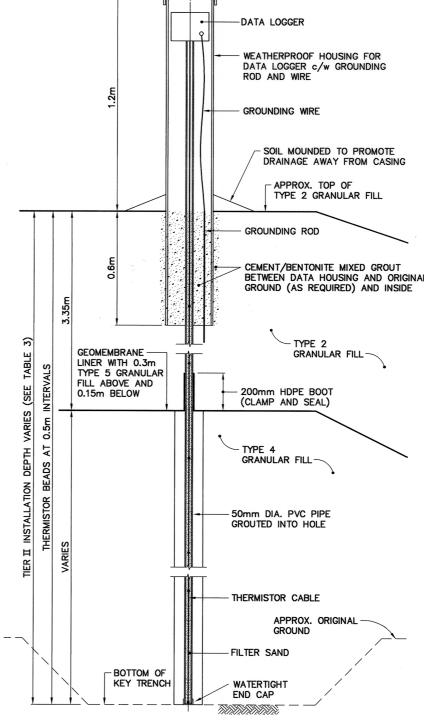
TRADE - METIER SITING

MISCELLANEOUS DETAILS

SCALE - ECHELLE

PROJECT - PROJET

RRM



CONCURRENCE - ASSENTIMENT DESIGNED BWF AGENT CONCEPT DRAWN DESSINE IC/CAE SECT HD CHEF SECT CHECKED KRM DES MGR GEST CONCEPT REVIEWED - REVU

AS SHOWN

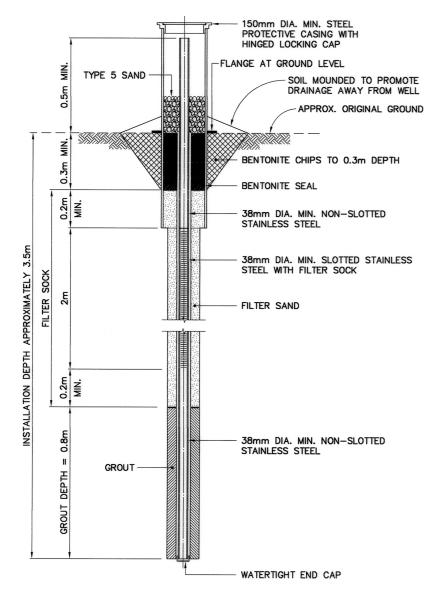
CAM-5 MACKAR INLET

DEW LINE CLEAN UP

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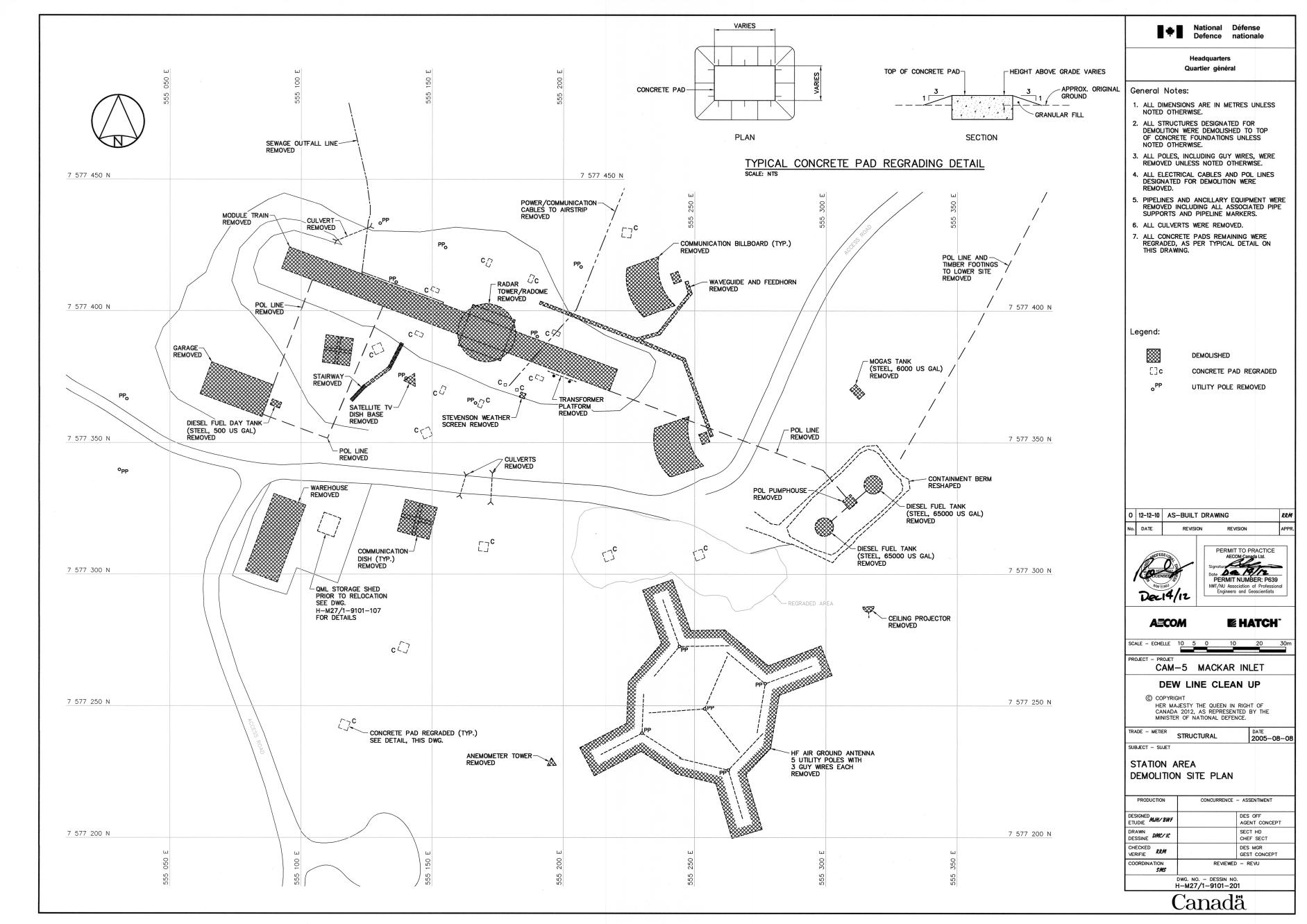
Canadä

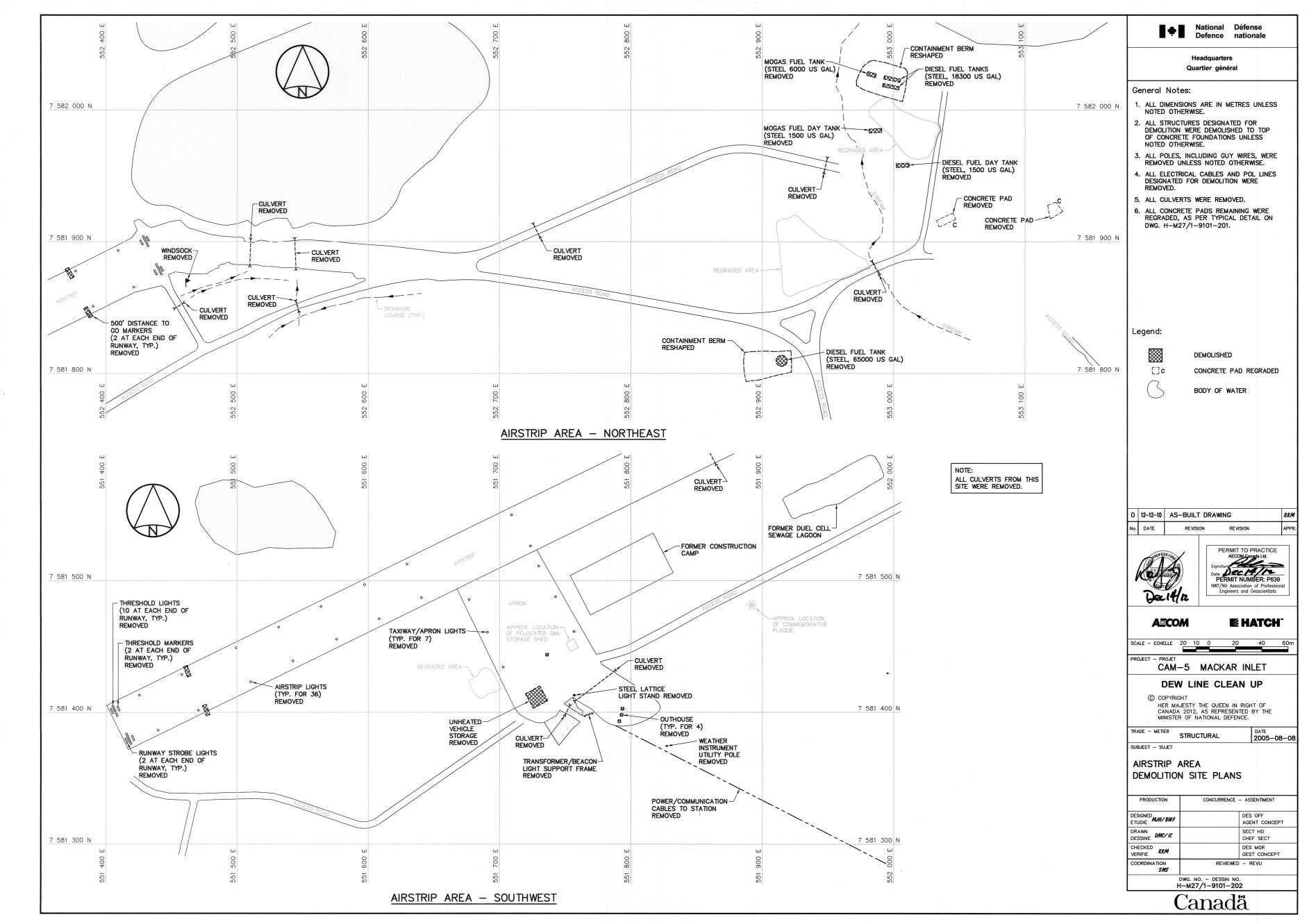
NOTE: 7 MONITORING WELLS REMAINING

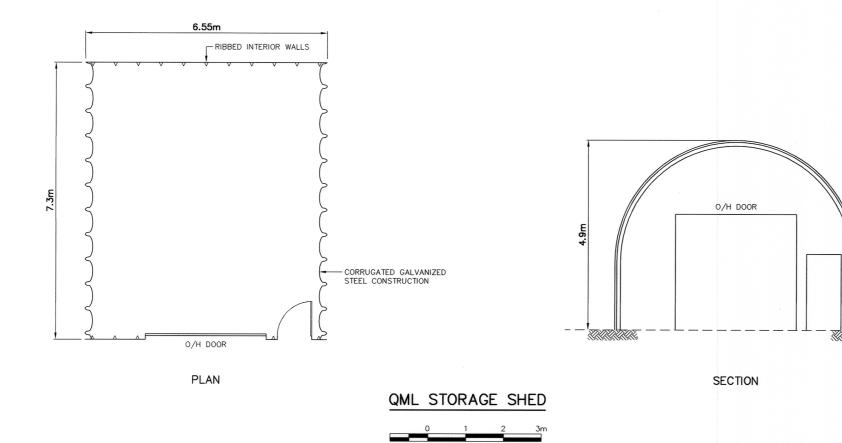


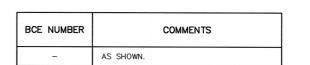
TYPICAL MONITORING WELL

SCALE: NTS FOR BEDROCK DEPTH > 0.7m INCLUDING TYPICAL BACKGROUND MONITORING WELL INSTALLATION









NOTE:

QML STORAGE SHED RELOCATED TO AIRSTRIP APRON.

National Défense Defence nationale

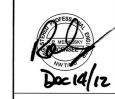
Quartier général

General Notes:

1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.

Legend:

0 12-12-10 AS-BUILT DRAWING RRM No. DATE REVISION





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SCALE - ECHELLE

PROJECT - PROJET CAM-5 MACKAR INLET

DEW LINE CLEAN UP

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MINISTER OF NATIONAL DEFENCE.

AS SHOWN

TRADE - METIER STRUCTURAL SUBJECT - SUJET

DATE 2005-08-08

QML STORAGE SHED PLAN AND SECTION

PRODUCTION CONCURRENCE - ASSENTIMENT DESIGNED MJH/BWF DES OFF AGENT CONCEPT DRAWN DESSINE DMC/IC SECT HD CHEF SECT CHECKED VERIFIE RRM DWG. NO. - DESSIN NO. H-M27/1-9101-208