

Défense nationale.

DEW LINE CLEAN UP PROJECT

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NOTE:

REVISED BASED ON INFORMATION
SUPPLIED BY DEFENCE CONSTRUCTION
CANADA IN 2005 THROUGH 2009 AND



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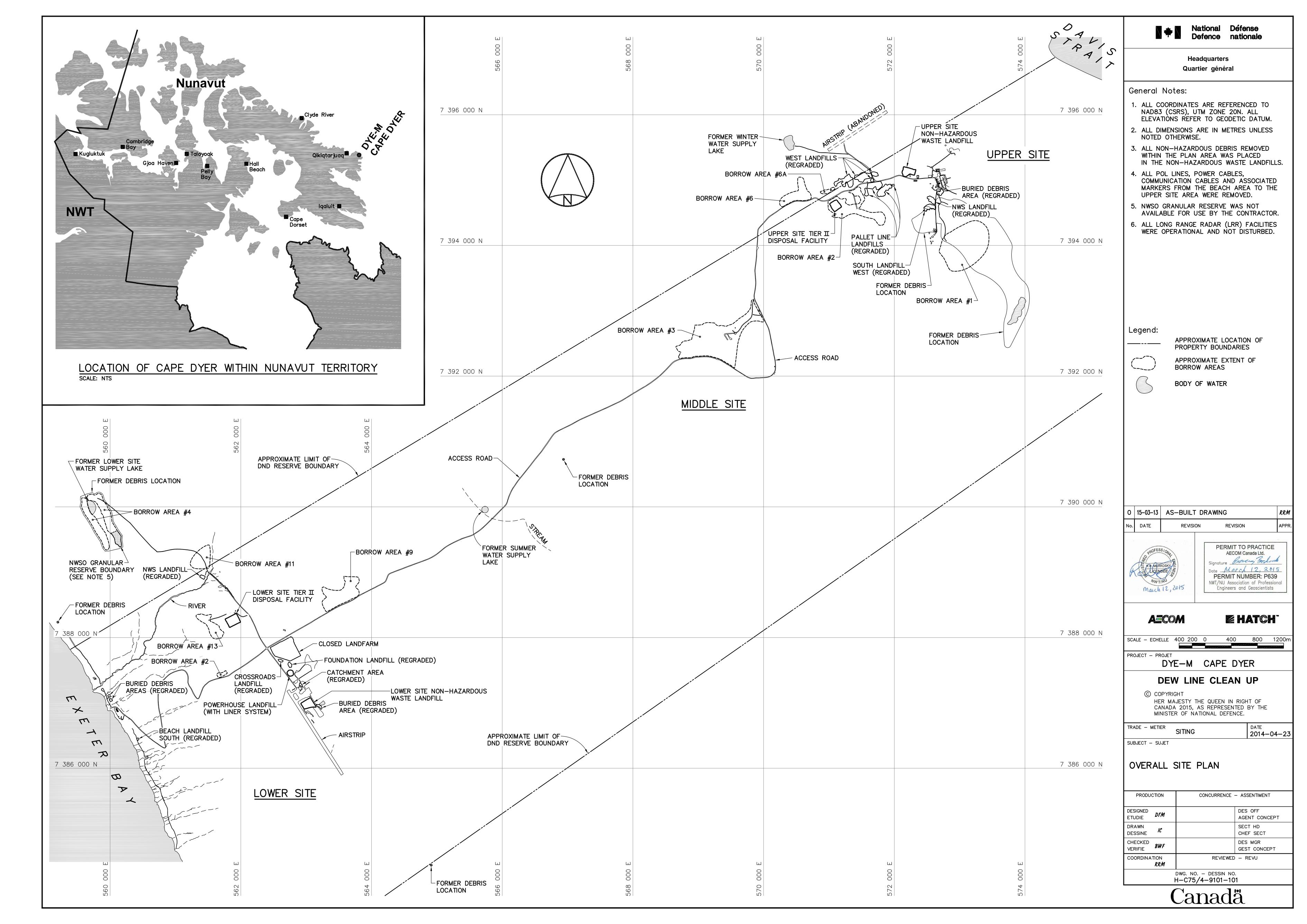
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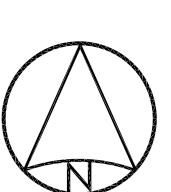
DYE-M CAPE DYER AS-BUILT DRAWINGS

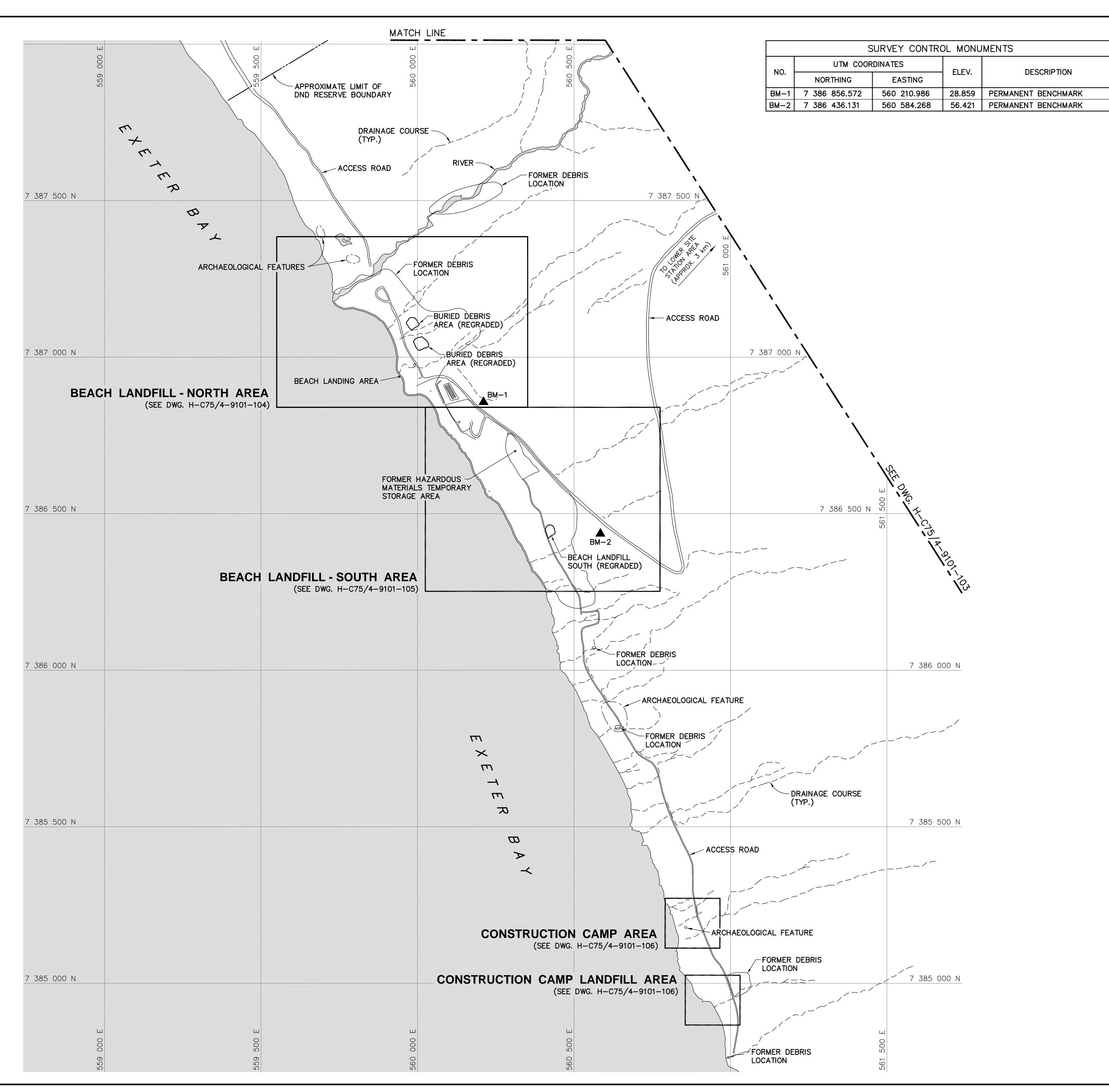




MARCH, 2015









Headquarters

General Notes:

1. ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 20N. ALL ELEVATIONS REFER TO GEODETIC DATUM.

Quartier général

- 2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- 3. ARCHAEOLOGICAL FEATURES LOCATED AS PER ENVIRONMENTAL CLEAN UP STUDY OF 21 DEW LINE SITES IN CANADA, VOL. 23, UMA 1991.
- 4. ALL LONG RANGE RADAR (LRR) FACILITIES WERE OPERATIONAL AND NOT DISTURBED.
- 5. FOR PERMANENT SURVEY CONTROL (BENCHMARK) INSTALLATION DETAIL, SEE DWG. H-C75/4-9101-191.

Legend:

▲BM−1

PERMANENT BENCHMARK LOCATION (2)

ARCHAEOLOGICAL FEATURES

_____ APPROXIMATE LOCATION OF PROPERTY BOUNDARY



BODY OF WATER

O 15-03-13 AS-BUILT DRAWING RATE

No. DATE REVISION REVISION AF



AECOM Canada Ltd.

Signature Boung Below

Date March 12, 2015

PERMIT NUMBER: P639

NWT/NU Association of Professional Engineers and Geoscientists

PERMIT TO PRACTICE

AECOM

SCALE - ECHELLE 100 50 0

Z HATCH"

PROJECT - PROJET

DYE-M CAPE DYER

DEW LINE CLEAN UP

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MINISTER OF NATIONAL DEFENCE.

TRADE - METIER
SITING

DATE
2014-04-23

SUBJECT - SUJET

LOWER SITE

BEACH AREA

PROJECT LAYOUT

PRODUCTION

CONCURRENCE - ASSENTIMENT

DESIGNED DTM
ETUDIE

DRAWN
DESSINE

CONCURRENCE - ASSENTIMENT

DES OFF
AGENT CONCEPT

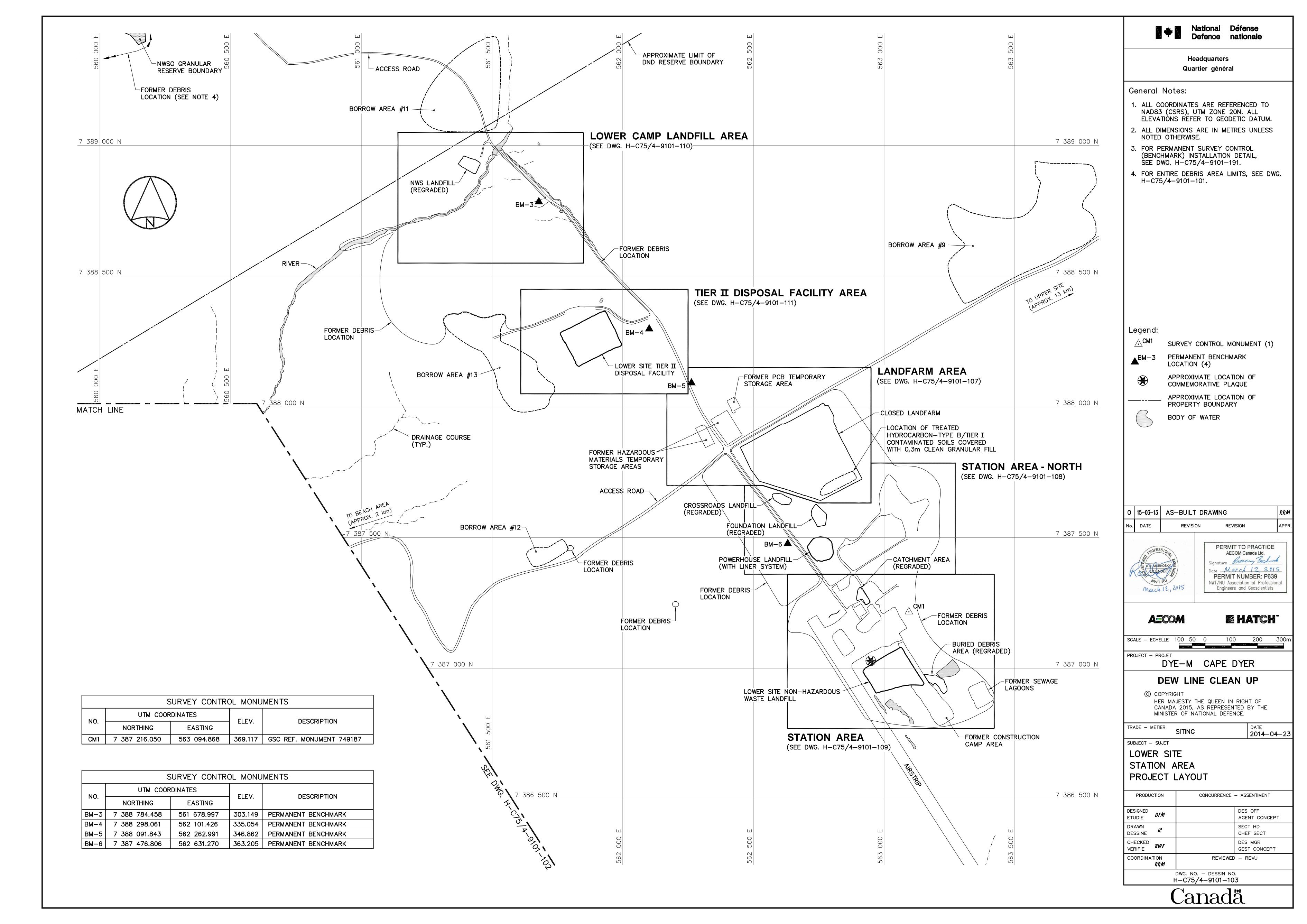
SECT HD
CHEF SECT

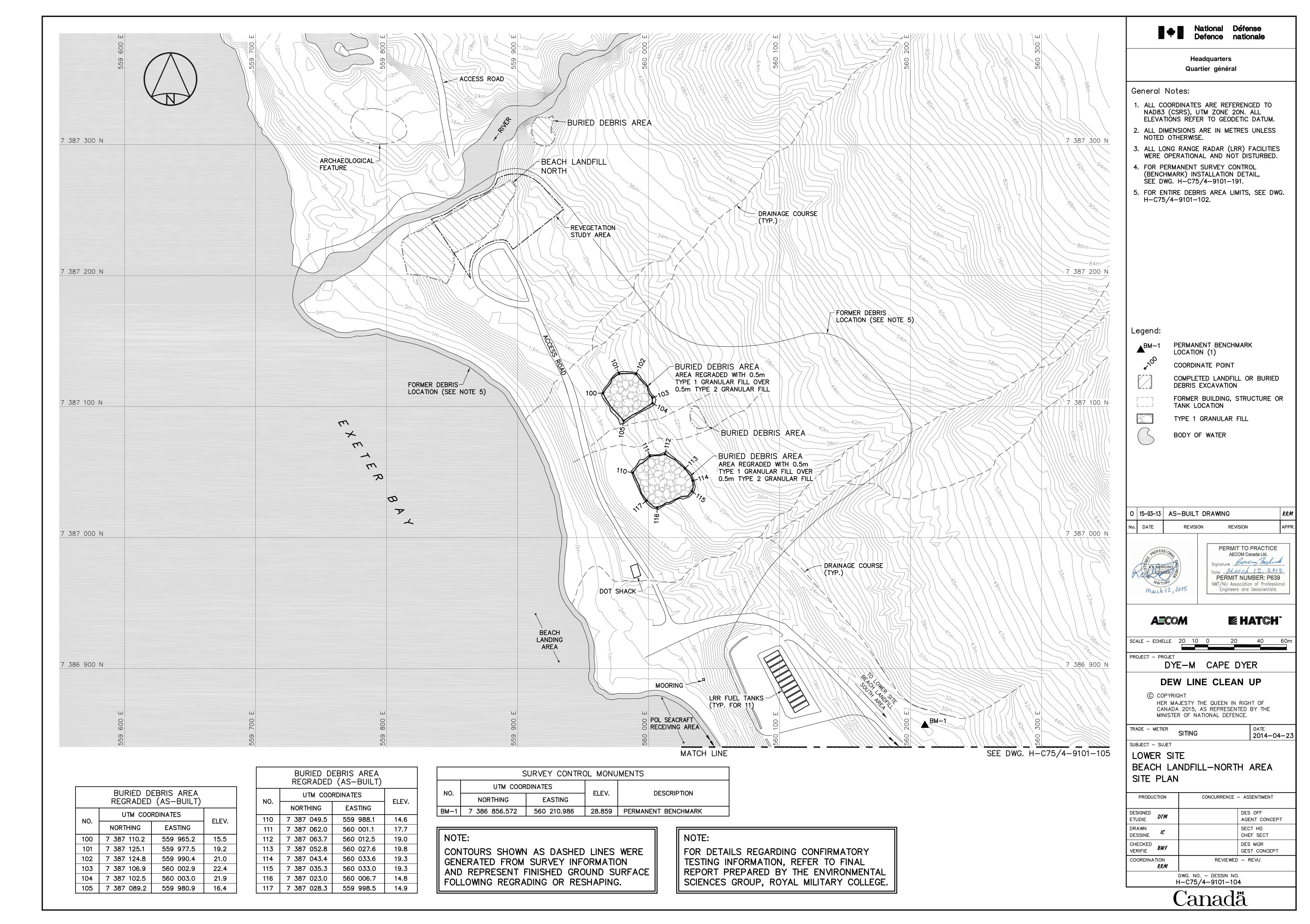
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DESSINE

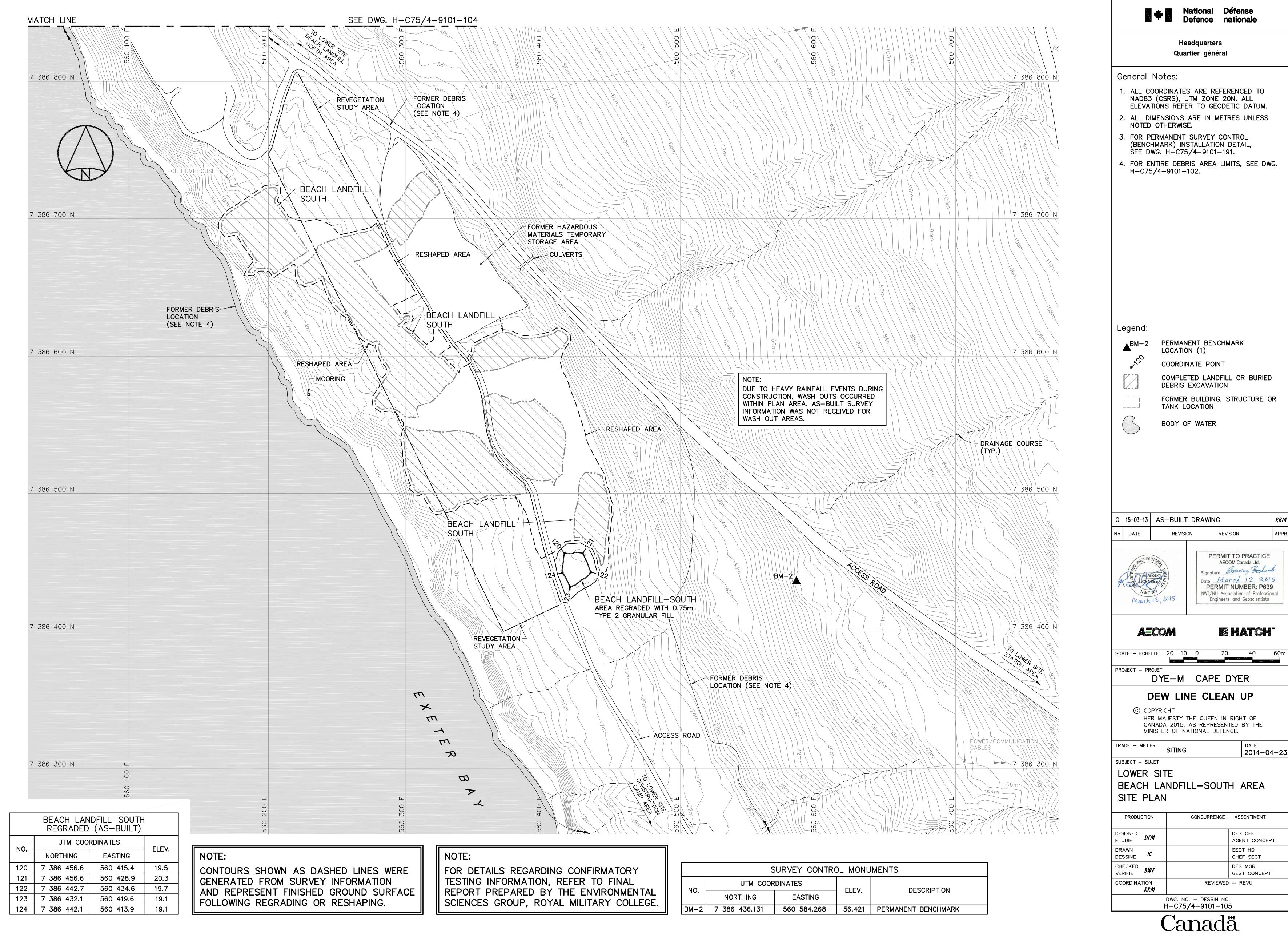
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VERIFIE

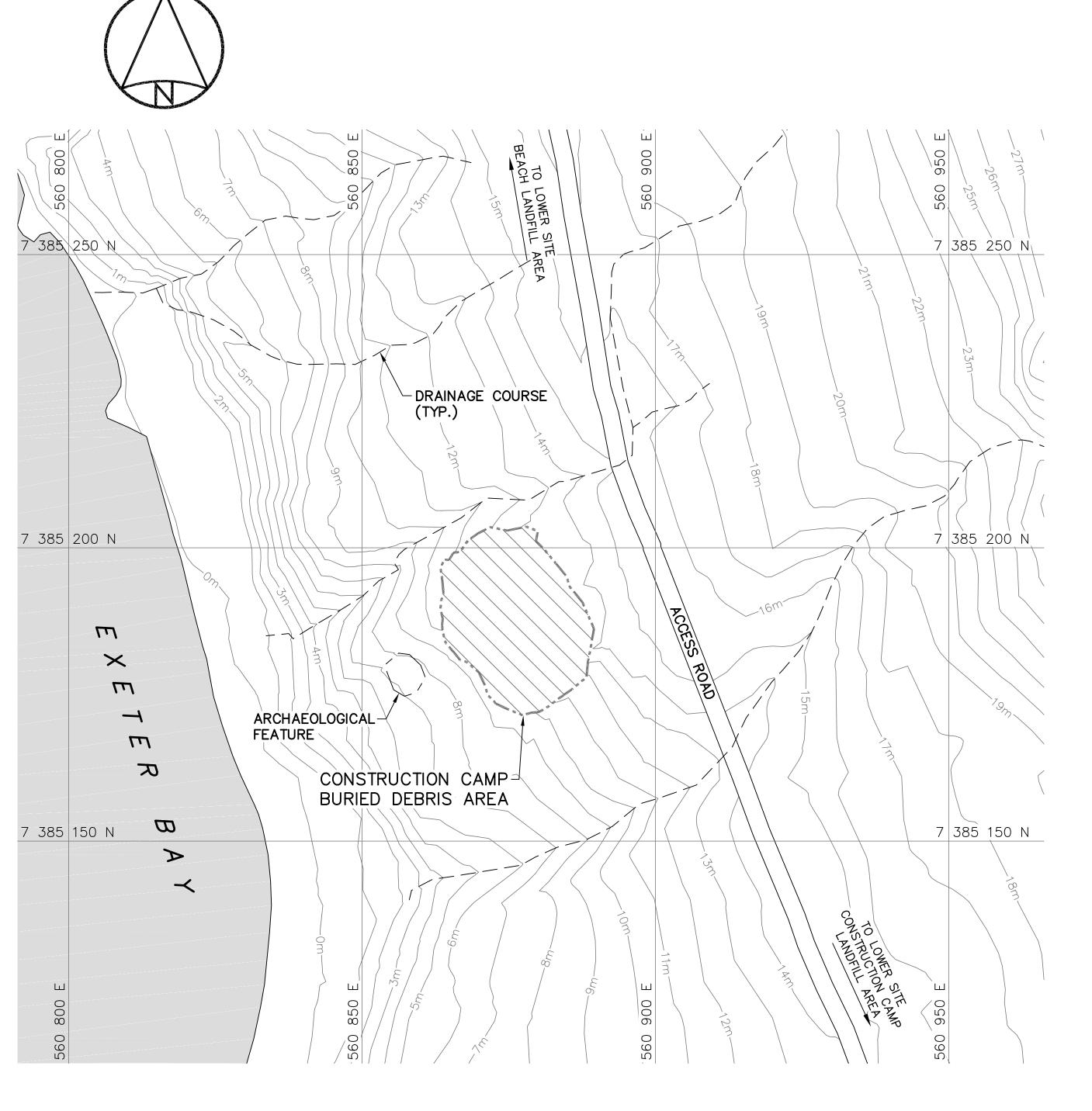
COORDINATION
RRM

DWG. NO. — DESSIN NO.
H—C75/4—9101—102



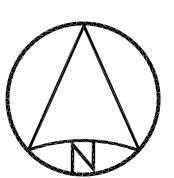








CONTOURS SHOWN AS DASHED LINES WERE GENERATED FROM SURVEY INFORMATION AND REPRESENT FINISHED GROUND SURFACE FOLLOWING REGRADING OR RESHAPING.





CONSTRUCTION CAMP LANDFILL AREA

NOTE:

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



National Défense Defence nationale

Headquarters Quartier général

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- 2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- 3. FOR ENTIRE DEBRIS AREA LIMITS, SEE DWG. H-C75/4-9101-102.

Legend:

COMPLETED LANDFILL OR BURIED DEBRIS EXCAVATION

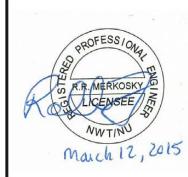
TYPE 1A GRANULAR FILL



BODY OF WATER

O 15-03-13 AS-BUILT DRAWING

No. DATE REVISION REVISION



PERMIT TO PRACTICE
AECOM Canada Ltd.

Signature Boung Bolomb

Date March 12, 2015

PERMIT NUMBER: P639

NWT/NU Association of Professional Engineers and Geoscientists

AECOM

EHATCH

PROJECT - PROJET

DYE-M CAPE DYER

DEW LINE CLEAN UP

DEW LINE CLEAN

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TRADE - METIER SITING

SUBJECT - SUJET

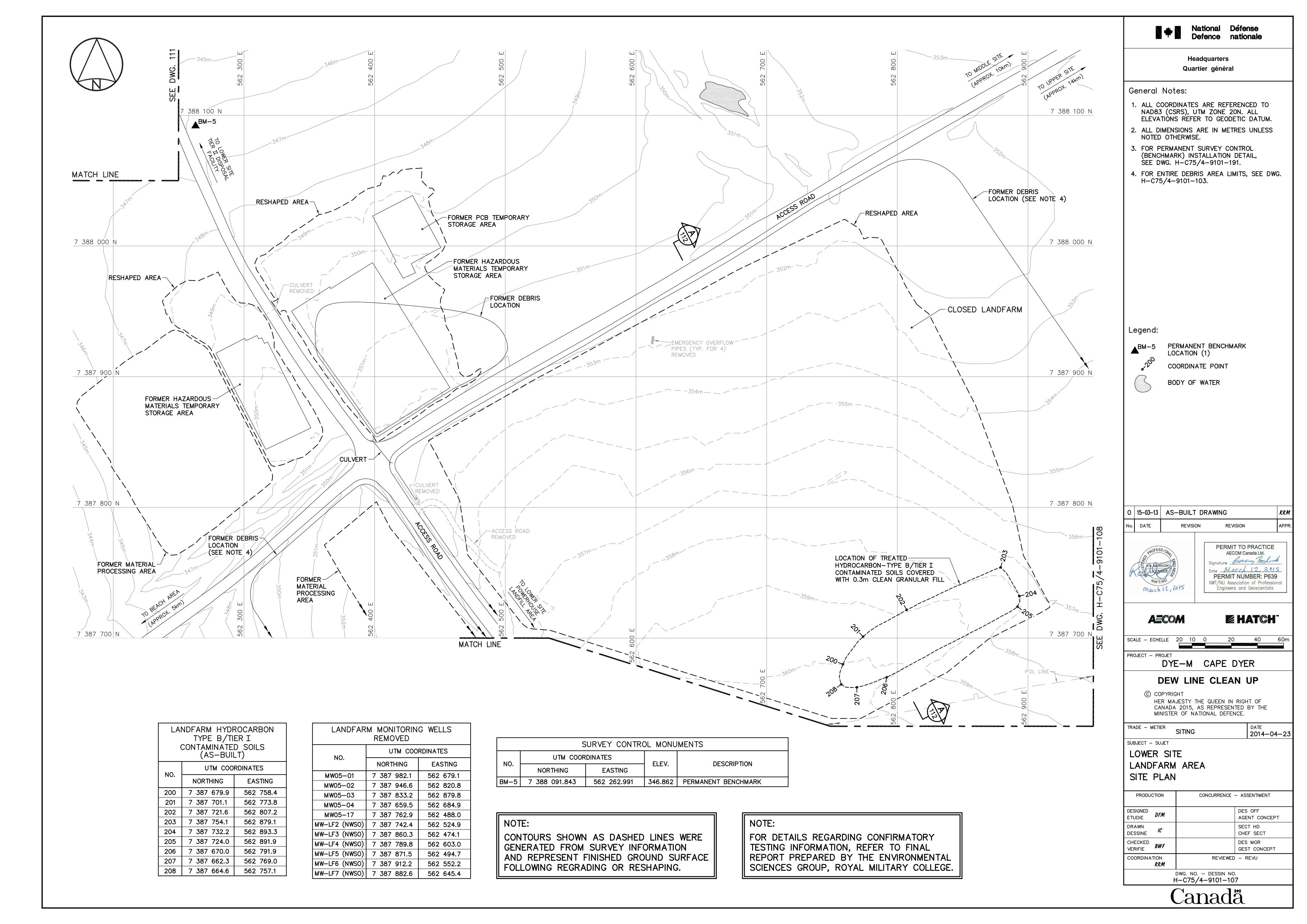
SITING DATE 2014-04-23

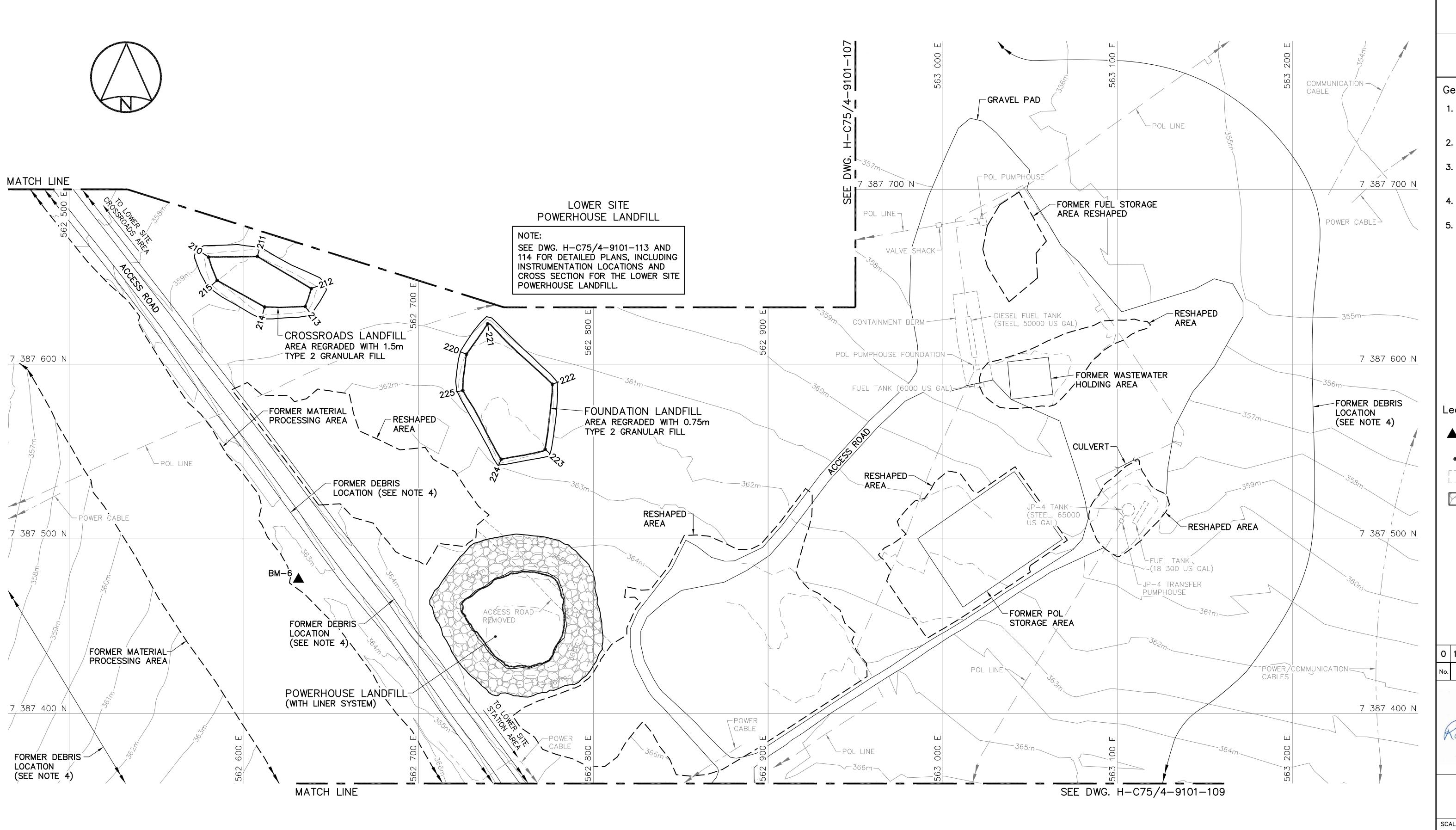
LOWER SITE

CONSTRUCTION CAMP & CONSTRUCTION CAMP LANDFILL AREAS SITE PLAN

DDODUGTION		20110115551105	4.0051171145117
PRODUCTION		CONCURRENCE — ASSENTIMENT	
DESIGNED ETUDIE	DTM		DES OFF AGENT CONCEPT
DRAWN DESSINE	IC		SECT HD CHEF SECT
CHECKED VERIFIE	BWF		DES MGR GEST CONCEPT
COORDINATION RRM		REVIEWED	- REVU

DWG. NO. - DESSIN NO. H-C75/4-9101-106





SURVEY CONTROL MONUMENTS						
NO.	UTM COOR	M COORDINATES		DESCRIPTION		
INO.	NORTHING	EASTING	ELEV.	DESCRIP HON		
BM-6	7 387 476.806	562 631.270	363.205	PERMANENT BENCHMARK		

	CROSSROADS LANDFILL REGRADED (AS—BUILT)						
NO.	UTM COORDINATES						
NO.	NO. NORTHING EASTING						
210	7 387 661.2	562 579.7	360.5				
211	7 387 661.6	562 607.7	361.1				
212	7 387 643.2	562 638.6	361.6				
213	7 387 633.0	562 635.1	361.7				
214	7 387 632.7	562 611.9	361.9				
215	7 387 647.9	562 584.7	361.0				

		ON LANDFILL (AS-BUILT)	
NO.	итм соо	RDINATES	ELEV.
INO.	NORTHING	EASTING	
220	7 387 605.6	562 727.4	362.1
221	7 387 623.0	562 739.5	361.4
222	7 387 588.5	562 776.6	362.0
223	7 387 551.3	562 772.4	363.0
224	7 387 545.5	562 747.3	363.4
225	7 387 584.9	562 725.3	362.6

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.



National Défense Defence nationale

Headquarters Quartier général

General Notes:

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- 2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- 3. FOR PERMANENT SURVEY CONTROL (BENCHMARK) INSTALLATION DETAIL, SEE DWG. H-C75/4-9101-191.
- 4. FOR ENTIRE DEBRIS AREA LIMITS, SEE DWG. H-C75/4-9101-103.
- 5. GRANULAR FERTILIZER WAS APPLIED TO THE FINISHED SURFACE OF THE CROSSROADS AND FOUNDATION LANDFILLS.

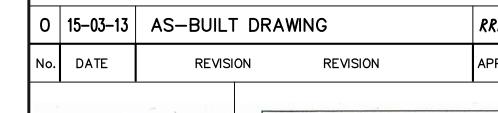


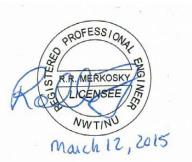
PERMANENT BENCHMARK LOCATION (1)

COORDINATE POINT FORMER BUILDING, STRUCTURE OR

TANK LOCATION

TYPE 1 GRANULAR FILL





AECOM Canada Ltd. Date March 12, 2015 PERMIT NUMBER: P639 NWT/NU Association of Professional Engineers and Geoscientists

PERMIT TO PRACTICE

AECOM

E HATCH

20 40 60m

DATE 2014-04-23

SCALE - ECHELLE 20 10 0 20 PROJECT - PROJET DYE-M CAPE DYER

DEW LINE CLEAN UP

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SUBJECT - SUJET

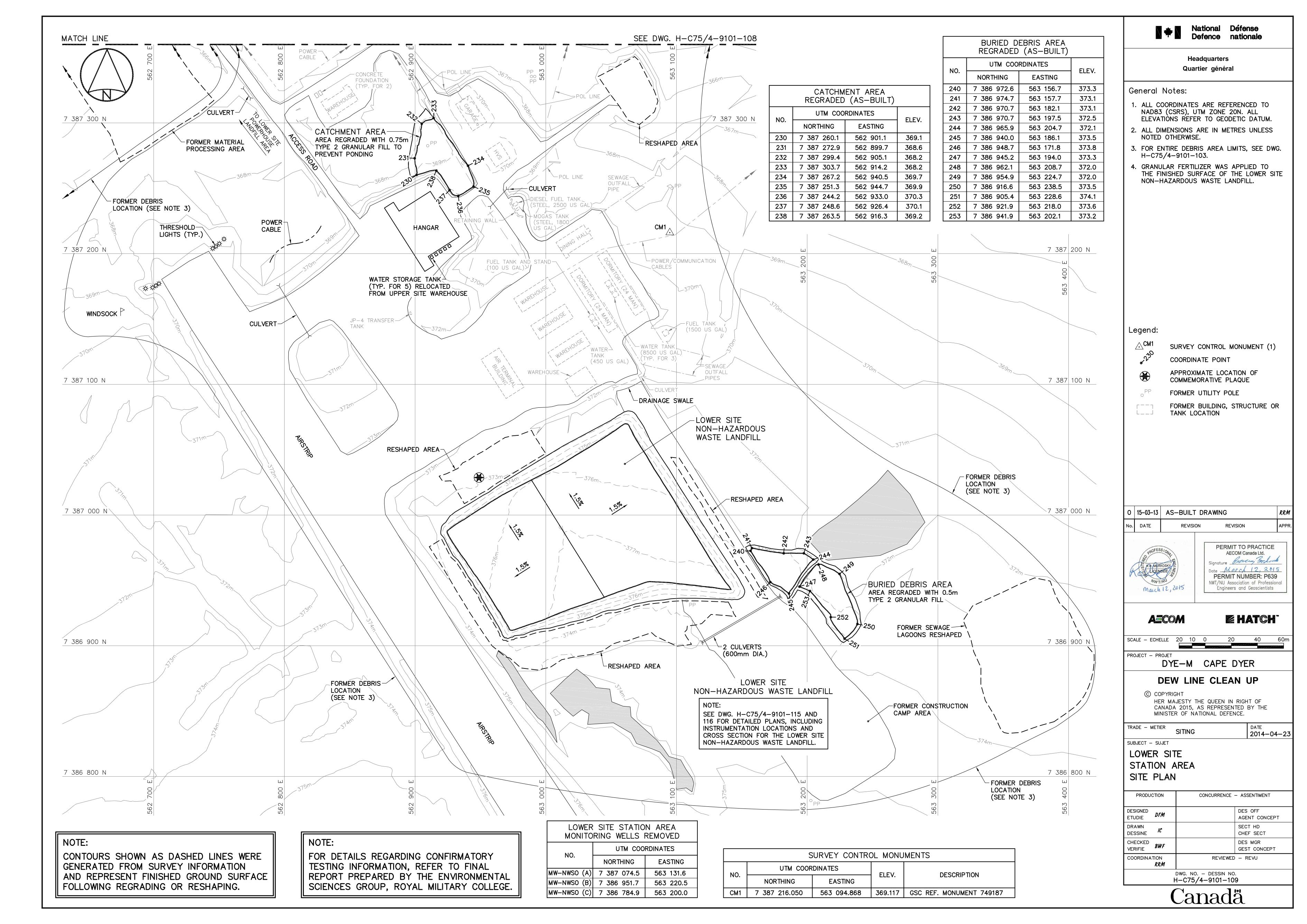
TRADE - METIER

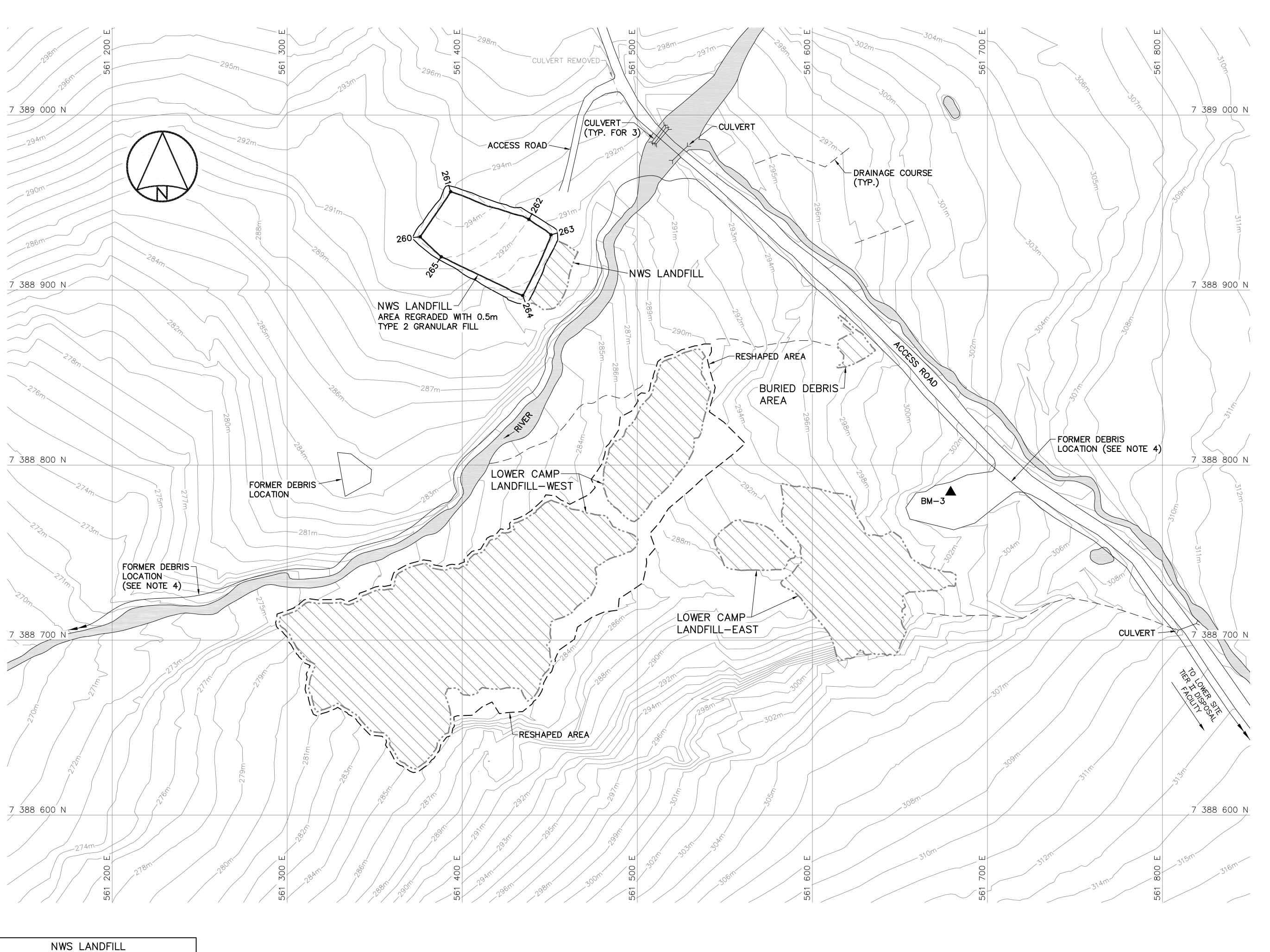
LOWER SITE STATION AREA-NORTH

SITE PLAN CONCURRENCE - ASSENTIMENT PRODUCTION DESIGNED

DES OFF ETUDIE AGENT CONCEPT DRAWN SECT HD DESSINE CHEF SECT CHECKED VERIFIE **BWF** DES MGR GEST CONCEPT COORDINATION REVIEWED — REVU

DWG. NO. – DESSIN NO. H-C75/4-9101-108





NWS LANDFILL REGRADED (AS-BUILT)						
NO	итм соо	RDINATES	ELEV.			
NO.	NO. NORTHING EASTING					
260	7 388 930.4	561 376.0	293.3			
261	7 388 956.2	561 393.3	294.6			
262	7 388 940.4	561 438.1	292.0			
263	7 388 931.6	561 450.7	291.1			
264	7 388 896.9	561 434.5	289.2			
265	7 388 919.0	561 388.0	293.0			

| 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.

SURVEY CONTROL MONUMENTS						
UTM COORDINATES						
NO.	NORTHING	EASTING	ELEV.	DESCRIPTION		
BM-3	M-3 7 388 784.458 561 678.997 303.149 PERMANENT BENCHMARK					



National Défense Defence nationale

Headquarters Quartier général

General Notes:

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- 3. FOR PERMANENT SURVEY CONTROL (BENCHMARK) INSTALLATION DETAIL, SEE DWG. H-C75/4-9101-191.
- 4. FOR ENTIRE DEBRIS AREA LIMITS, SEE DWG. H-C75/4-9101-103.
- 5. GRANULAR FERTILIZER WAS APPLIED TO THE FINISHED SURFACE OF THE NWS LANDFILL AND LOWER CAMP LANDFILLS EAST AND WEST.



▲BM-3

PERMANENT BENCHMARK LOCATION (1)

DEBRIS EXCAVATION

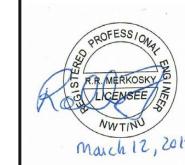
COORDINATE POINT

COMPLETED LANDFILL OR BURIED



BODY OF WATER

0	15-03-13	AS-BUILT DR	AWING	RR
No.	DATE	REVISION	REVISION	AP
	PROFES	SION	PERMIT TO PRAC	



Signature Backy Belows

Date March 12, 2015

PERMIT NUMBER: P639

NWT/NU Association of Professional Engineers and Geoscientists

AECOM

SCALE - ECHELLE 20 10 0

EHATCH

PROJECT - PROJET

DYE-M CAPE DYER

DEW LINE CLEAN UP

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TRADE - METIER SITING
SUBJECT - SUJET

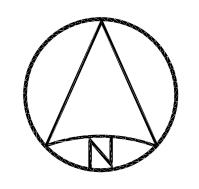
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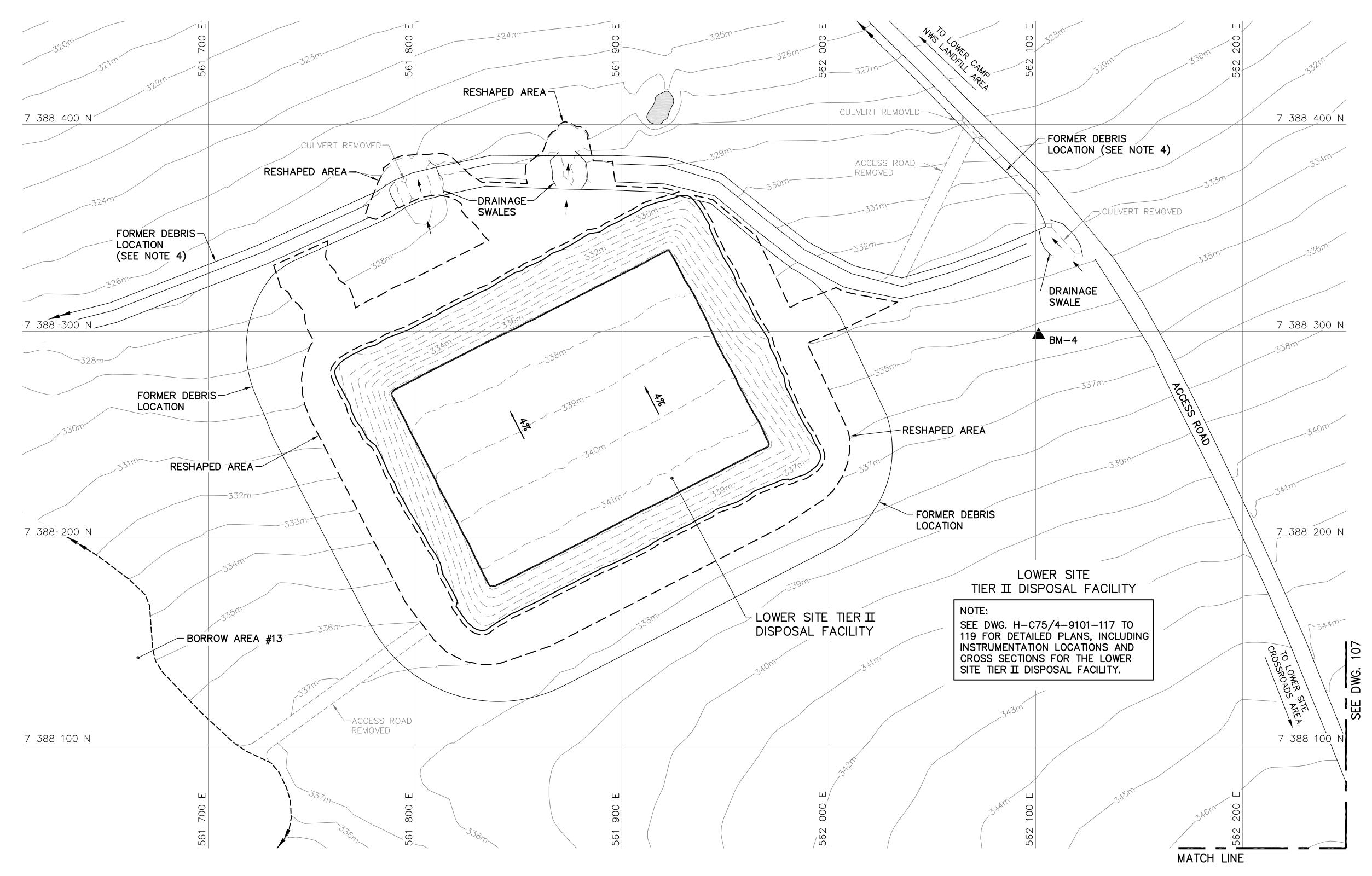
2014-04-23

LOWER SITE
LOWER CAMP LANDFILL AREA
SITE PLAN

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

DWG. NO. - DESSIN NO. H-C75/4-9101-110





SURVEY CONTROL MONUMENTS						
NO	UTM COORDINATES			DESCRIPTION		
NO. -	NORTHING	EASTING	ELEV. DESCRIPTION			
BM-4	7 388 298.061	562 101.426	335.054	PERMANENT BENCHMARK		

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

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



National Défense Defence nationale

Headquarters Quartier général

General Notes:

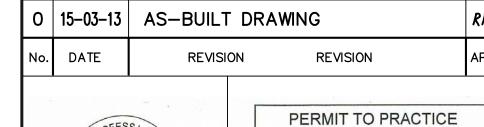
- 1. ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 20N. ALL ELEVATIONS REFER TO GEODETIC DATUM.
- 2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- 3. FOR PERMANENT SURVEY CONTROL (BENCHMARK) INSTALLATION DETAIL, SEE DWG. H-C75/4-9101-191.
- 4. FOR ENTIRE DEBRIS AREA LIMITS, SEE DWG. H-C75/4-9101-103.
- 5. GRANULAR FERTILIZER WAS APPLIED TO THE FINISHED SURFACE OF THE TIER II DISPOSAL FACILITY.

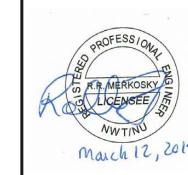
Legend:

PERMANENT BENCHMARK LOCATION (1)



BODY OF WATER





AECOM Canada Ltd. Signature Barry Bedants Date March 12, 2015 PERMIT NUMBER: P639 NWT/NU Association of Professional Engineers and Geoscientists

AECOM

EHATCH

PROJECT - PROJET DYE-M CAPE DYER

SCALE - ECHELLE 20 10 0 20 40 60m

DEW LINE CLEAN UP

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TRADE - METIER 2014-04-23

MINISTER OF NATIONAL DEFENCE.

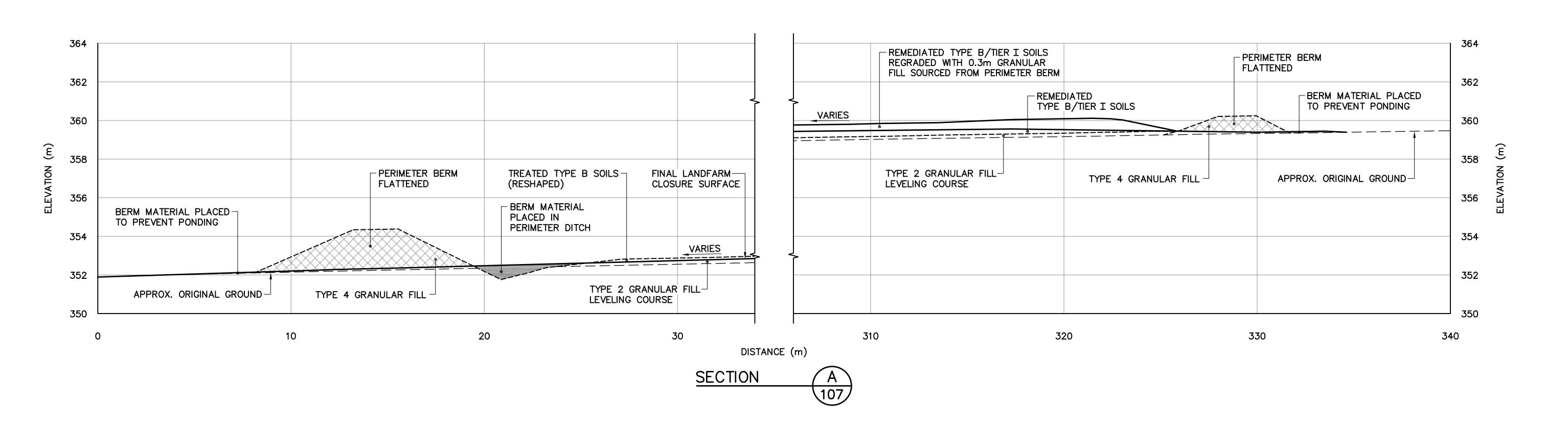
SUBJECT — SUJET

LOWER SITE

TIER II DISPOSAL FACILITY AREA SITE PLAN

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

DWG. NO. - DESSIN NO. H-C75/4-9101-111





Headquarters Quartier général

General Notes:

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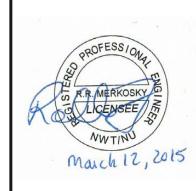
Legend:

GENERATED BASED ON FINAL AS-BUILT SURVEY INFORMATION

GENERATED BASED ON INTERMEDIATE AS-BUILT SURVEY INFORMATION

GENERATED BASED ON ORIGINAL SURVEY INFORMATION

O 15-03-13 AS-BUILT DRAWING REVISION APP



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AECOM Canada Ltd.

Signature Boung Bolomb

Date March 12, 2015

PERMIT NUMBER: P639

NWT/NU Association of Professional Engineers and Geoscientists

A=COM

Z HATCH"

2014-04-23

PROJECT - PROJET

DYE-M CAPE DYER

SCALE - ECHELLE 2 1 0 2 4

DEW LINE CLEAN UP

DEW LINE CLEAN

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TRADE - METIER SITING

LOWER SITE

SUBJECT — SUJET

CLOSED LANDFARM CROSS SECTION

PRODUCTION

CONCURRENCE - ASSENTIMENT

DESIGNED DTM
ETUDIE

DRAWN
DESSINE

CHECKED VERIFIE

COORDINATION
RRM

CONCURRENCE - ASSENTIMENT

DES OFF
AGENT CONCEPT

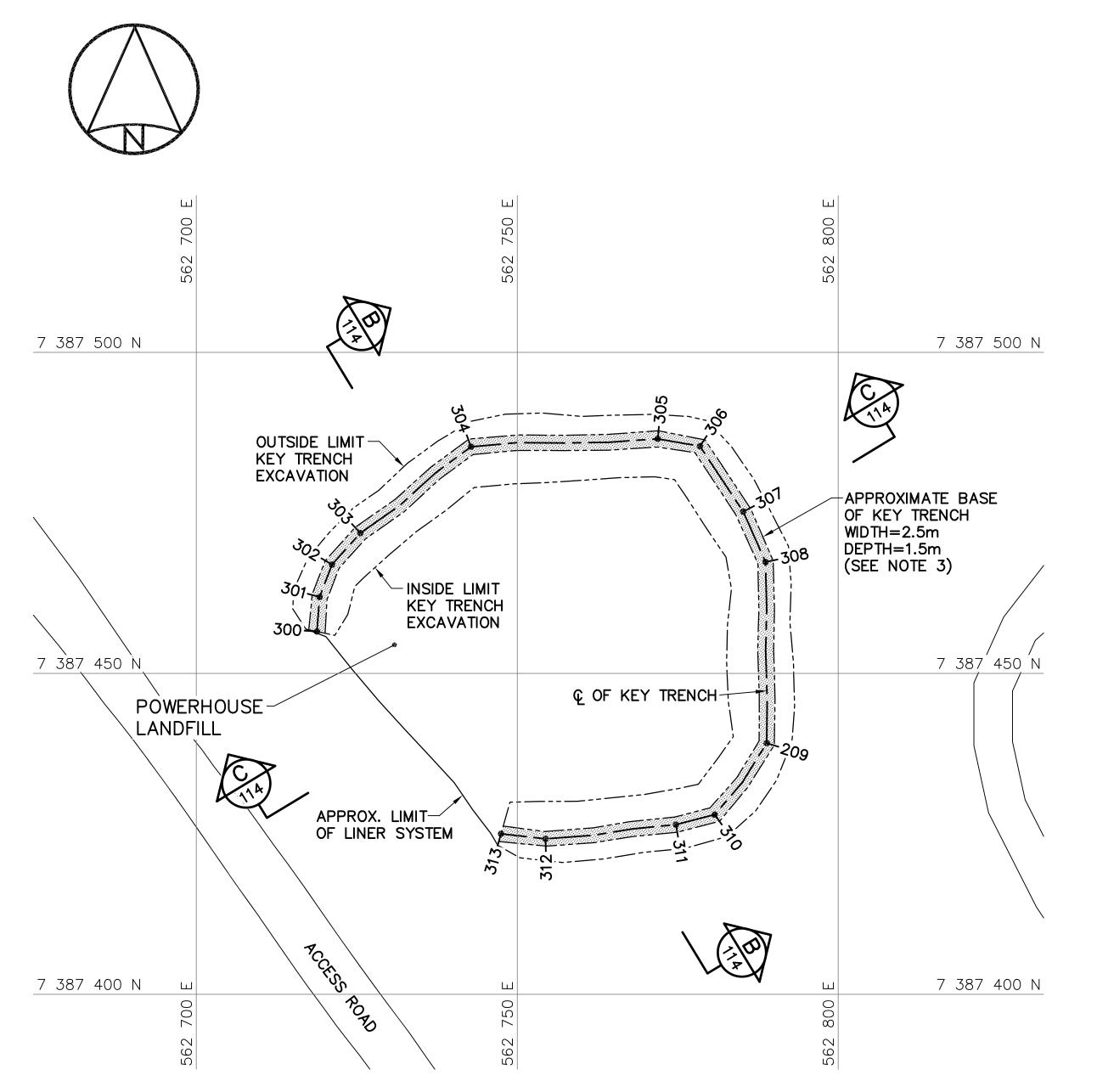
AGENT CONCEPT

SECT HD
CHEF SECT

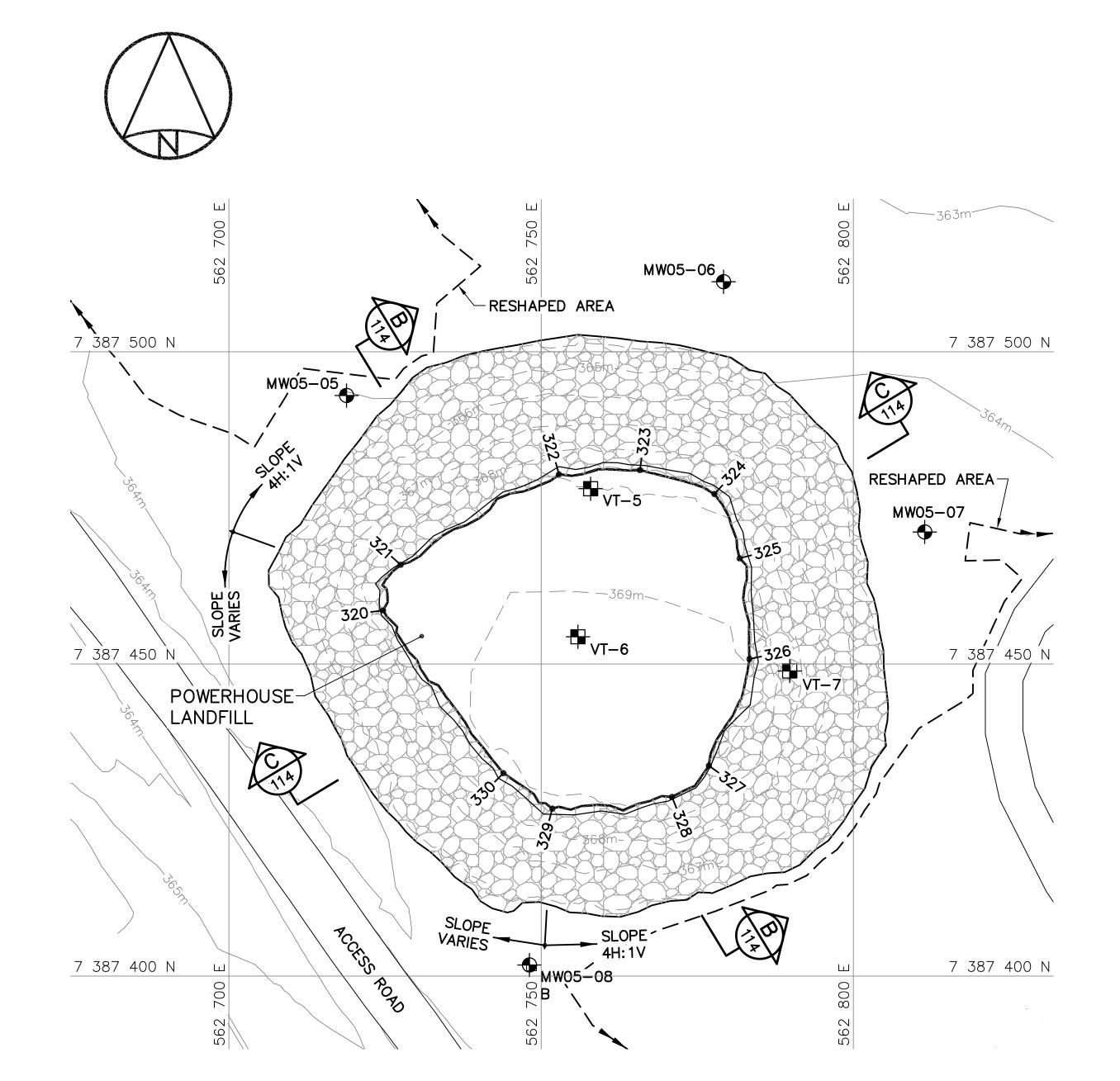
DES MGR
GEST CONCEPT

REVIEWED - REVU

DWG. NO. – DESSIN NO. H-C75/4-9101-112



KEY TRENCH EXCAVATION PLAN



FINAL GRADING/INSTRUMENTATION PLAN

KEY	POWERHOUSE LANDFILL KEY TRENCH EXCAVATION (AS-BUILT)					
NO	UTM COO	RDINATES				
NO.	NORTHING	EASTING	ELEV.			
300	7 387 456.5	562 718.8	364.2			
301	7 387 461.9	562 719.2	363.1			
302	7 387 466.9	562 721.1	363.1			
303	7 387 471.9	562 725.6	363.1			
304	7 387 485.3	562 742.8	362.6			
305	7 387 486.5	562 771.9	362.2			
306	7 387 485.4	562 778.5	362.2			
307	7 387 475.2	562 785.2	362.6			
308	7 387 467.4	562 788.7	363.0			
309	7 387 439.1	562 788.9	363.8			
310	7 387 428.0	562 780.8	364.3			
311	7 387 426.4	562 774.7	364.3			
312	7 387 424.2	562 754.4	364.0			
313	7 387 425.0	562 747.5	364.5			

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.

POWERHOUSE LANDFILL FINAL GRADING (AS—BUILT)			
NO.	UTM COORDINATES		ELEV.
NO.	NORTHING	EASTING	ELEV.
320	7 387 458.6	562 724.7	368.0
321	7 387 465.9	562 727.5	368.1
322	7 387 480.4	562 752.9	368.0
323	7 387 481.1	562 765.8	367.7
324	7 387 477.2	562 777.7	367.8
325	7 387 466.9	562 781.8	368.3
326	7 387 450.8	562 783.4	368.9
327	7 387 433.7	562 776.9	369.7
328	7 387 428.7	562 771.0	369.4
329	7 387 426.8	562 751.8	368.6
330	7 387 432.5	562 744.0	368.7

МС	POWERHOUSE LANDFILL MONITORING WELLS (AS-BUIL		
NO.	UTM COORDINATES		ELEV.
NO.	NORTHING	EASTING	ELEV.
MW05-05	7 387 493.0	562 718.8	364.1
MW05-06	7 387 511.2	562 779.2	363.7
MW05-07	7 387 471.1	562 811.4	364.5
MW05-08	7 387 401.8	562 748.1	365.5

POWERHOUSE LANDFILL GROUND TEMPERATURE CABLES (AS-BUILT)			
NO.	UTM COORDINATES		ELEV.
NO.	NORTHING	EASTING	
VT-5	7 387 478.1	562 757.9	368.0
VT-6	7 387 454.4	562 755.9	369.5
VT-7	7 387 448.9	562 789.8	* 367.6

ELEVATION IS TO FINAL GRADE OF TYPE 2 GRANULAR FILL PRIOR TO PLACEMENT OF TYPE 1 GRANULAR FILL.



National Défense Defence nationale

Headquarters Quartier général

General Notes:

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- 2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- 3. KEY TRENCH EXCAVATED TO SATURATED GROUND, ICE SATURATED PERMAFROST OR SOUND BEDROCK. EXCAVATION DEPTH WAS FIELD CONFIRMED BY THE SITE ENGINEER.
- 4. FOR MONITORING WELL INSTALLATION DETAILS, SEE DWG. H-C75/4-9101-191.
- 5. FOR VERTICAL GROUND TEMPERATURE CABLE INSTALLATION DETAILS, SEE DWG. H-C75/4-9101-190.



MONITORING WELL LOCATION (3)

COORDINATE POINT

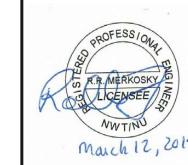
BACKGROUND MONITORING WELL LOCATION (1)

VERTICAL GROUND TEMPERATURE CABLE LOCATION (3)



TYPE 1 GRANULAR FILL

0 15-03-13 AS-BUILT DRAWING



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SCALE - ECHELLE 10 5 0 PROJECT - PROJET

DYE-M CAPE DYER

DEW LINE CLEAN UP

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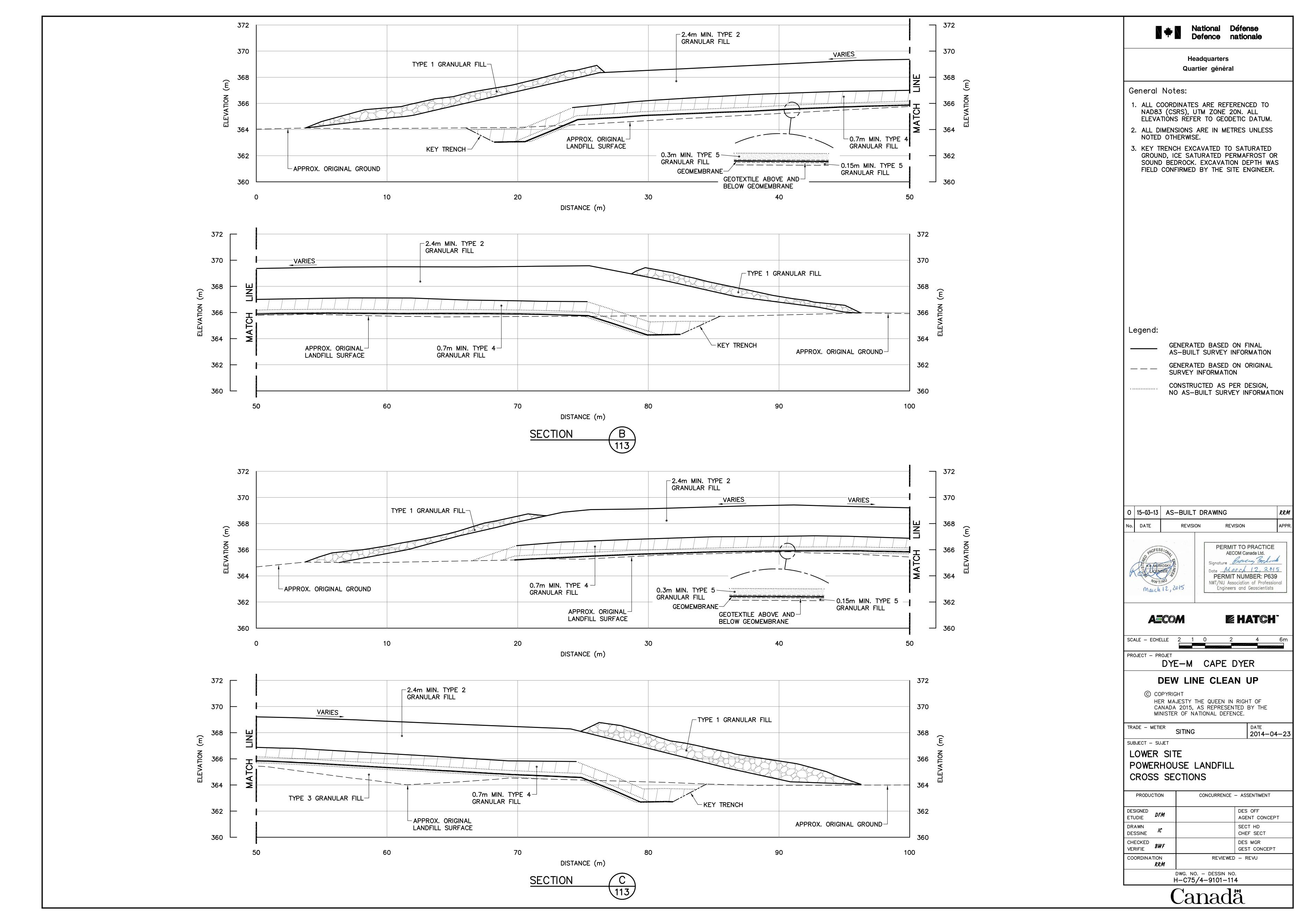
CANADA 2015, AS REPRESENTED BY THE MINISTER OF NATIONAL DEFENCE. TRADE - METIER DATE 2014-04-23

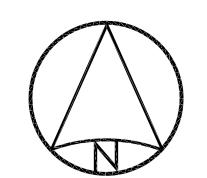
SUBJECT - SUJET

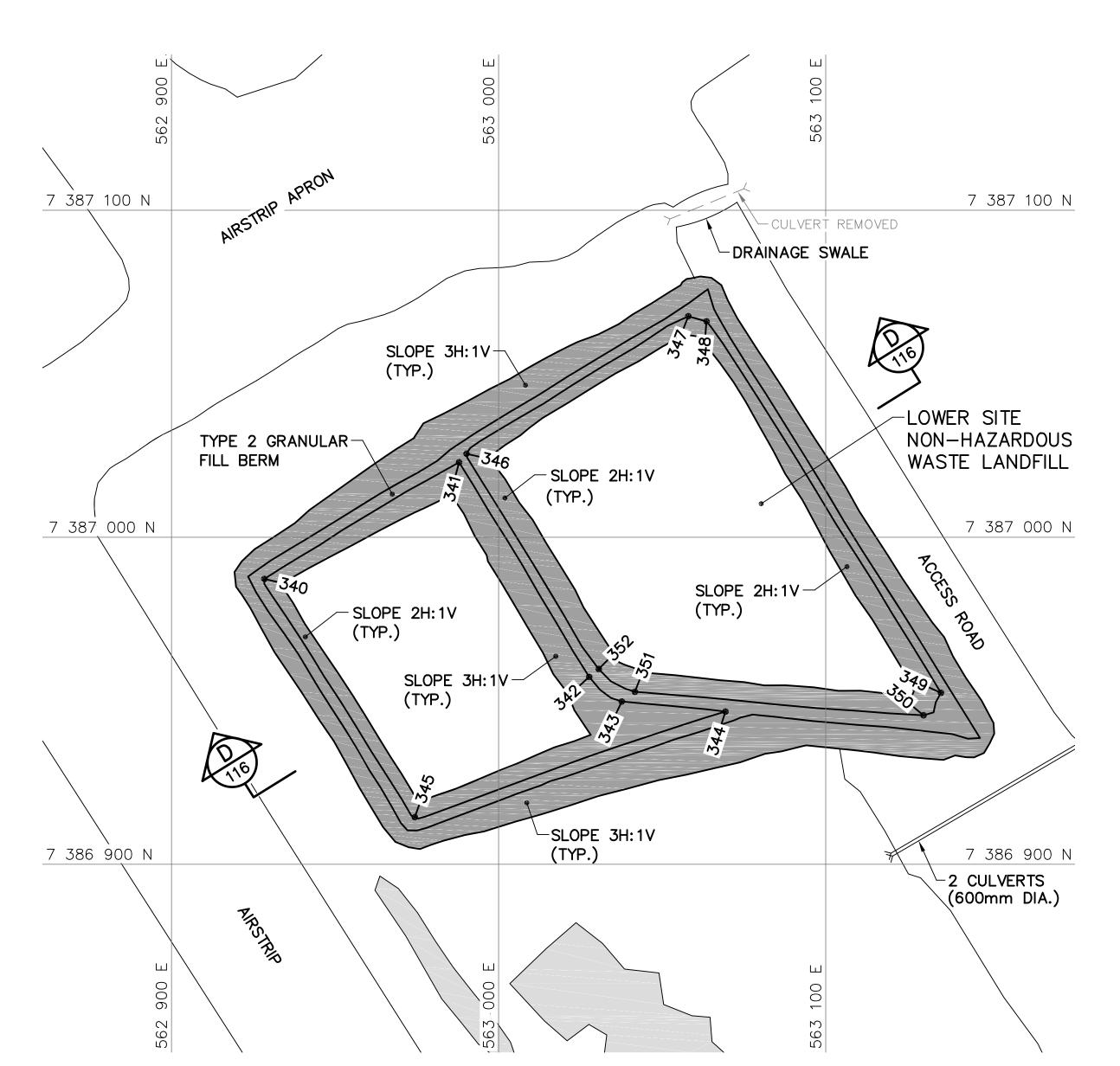
LOWER SITE POWERHOUSE LANDFILL KEY TRENCH EXCAVATION PLAN & GRADING/INSTRUMENTATION PLAN

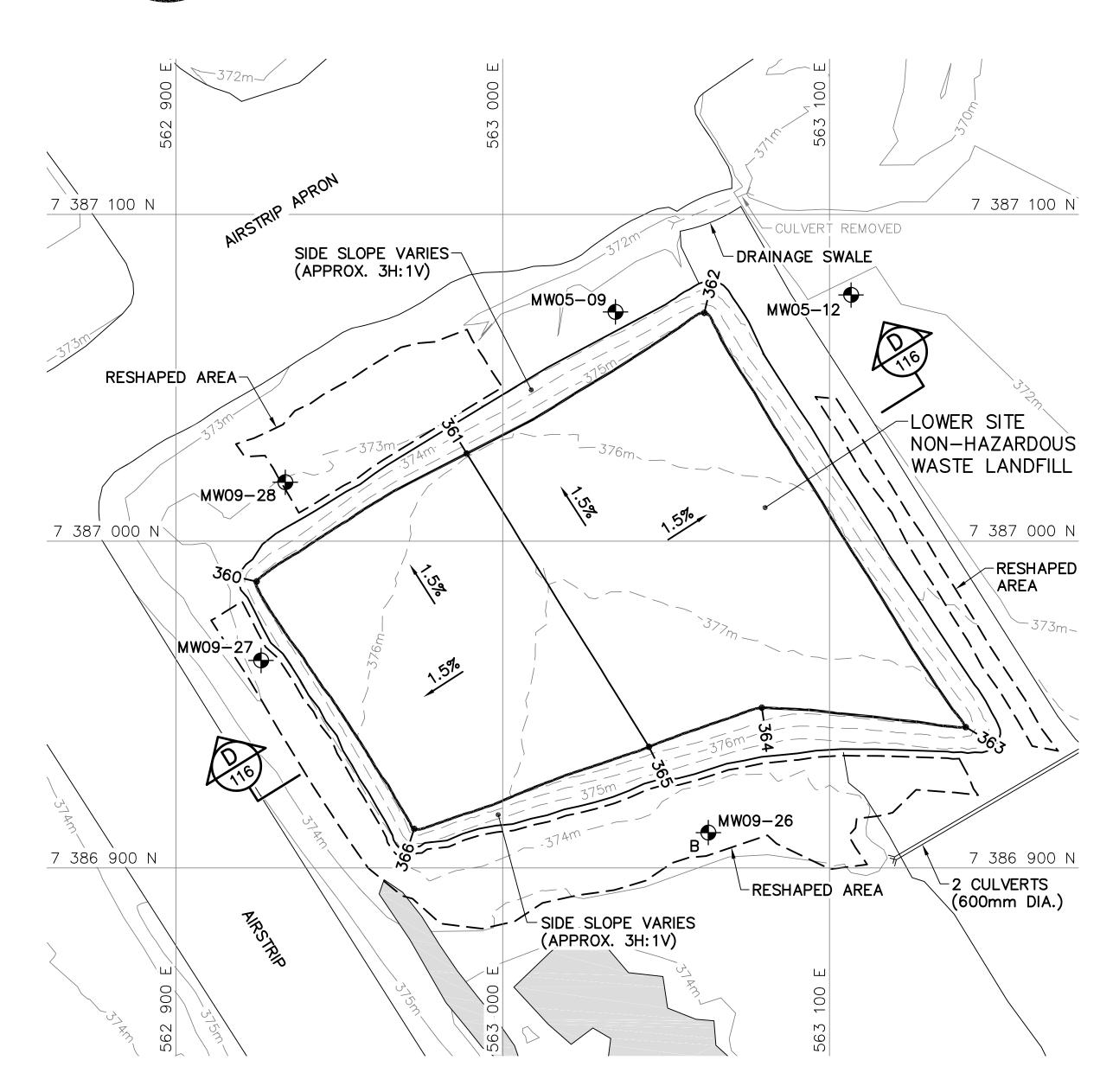
CONCURRENCE - ASSENTIMENT PRODUCTION DESIGNED ETUDIE DES OFF AGENT CONCEPT DRAWN SECT HD DESSINE CHEF SECT CHECKED VERIFIE **BWF** DES MGR GEST CONCEPT COORDINATION *RRM* REVIEWED - REVU

DWG. NO. - DESSIN NO. H-C75/4-9101-113









BERM CONSTRUCTION PLAN

FINAL GRADING/INSTRUMENTATION PLAN

 LOWER SITE ON—HAZARDOUS WASTE L ERM CONSTRUCTION (AS-	
UTM COORDINATES	

BERM CONSTRUCTION (AS-BUILT)			
NO	UTM COORDINATES		
NO.	NORTHING	EASTING	ELEV.
340	7 386 987.3	562 928.4	374.9
341	7 387 022.9	562 987.9	374.9
342	7 386 957.3	563 027.7	376.4
343	7 386 949.8	563 037.7	376.3
344	7 386 946.7	563 069.4	377.5
345	7 386 914.4	562 974.4	375.5
346	7 387 025.5	562 990.2	375.2
347	7 387 067.6	563 058.0	374.0
348	7 387 066.0	563 063.6	373.9
349	7 386 952.4	563 135.2	376.1
350	7 386 945.6	563 129.9	376.0
351	7 386 952.8	563 041.7	376.5
352	7 386 959.7	563 030.6	376.4

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.

LOWER SITE
NON-HAZARDOUS WASTE LANDFILL
FINAL GRADING (AS-BUILT)

NO.	UTM COORDINATES		
	NORTHING	EASTING	ELEV.
360	7 386 987.6	562 924.7	375.2
361	7 387 026.8	562 989.0	375.8
362	7 387 069.9	563 061.7	375.0
363	7 386 943.1	563 141.7	377.0
364	7 386 949.1	563 079.3	377.5
365	7 386 937.1	563 044.8	377.7
366	7 386 912.0	562 972.9	376.5

	LOWER SITE	
1	-HAZARDOUS WASTE LAND NITORING WELLS (AS-BUIL	
	UTM COORDINATES	

NO.			ELEV.
NO.	NORTHING	EASTING	ELEV.
MW05-09	7 387 070.2	563 034.5	372.6
MW05-12	7 387 075.3	563 106.6	371.7
MW09-26	7 386 910.8	563 062.9	373.8
MW09-27	7 386 963.5	562 926.1	373.0
MW09-28	7 387 018.0	562 933.5	373.1

LOWER SITE NON—HAZARDOUS WASTE LANDFILL MONITORING WELL REMOVED			
NO.	итм соо	RDINATES	
NO.	NORTHING	EASTING	
MW05-10	7 386 992.1	562 974.0	

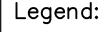


National Défense Defence nationale

Headquarters Quartier général

General Notes:

- ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 20N. ALL ELEVATIONS REFER TO GEODETIC DATUM.
- 2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- 3. FOR MONITORING WELL INSTALLATION DETAILS, SEE DWG. H-C75/4-9101-191.
- 4. GRANULAR FERTILIZER WAS APPLIED TO THE FINISHED SURFACE OF THE LOWER SITE NON-HAZARDOUS WASTE LANDFILL.



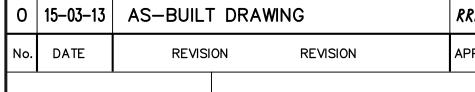
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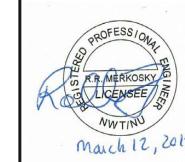
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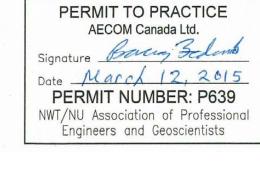


MONITORING WELL LOCATION (4)

BACKGROUND MONITORING WELL LOCATION (1)







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PROJECT - PROJET

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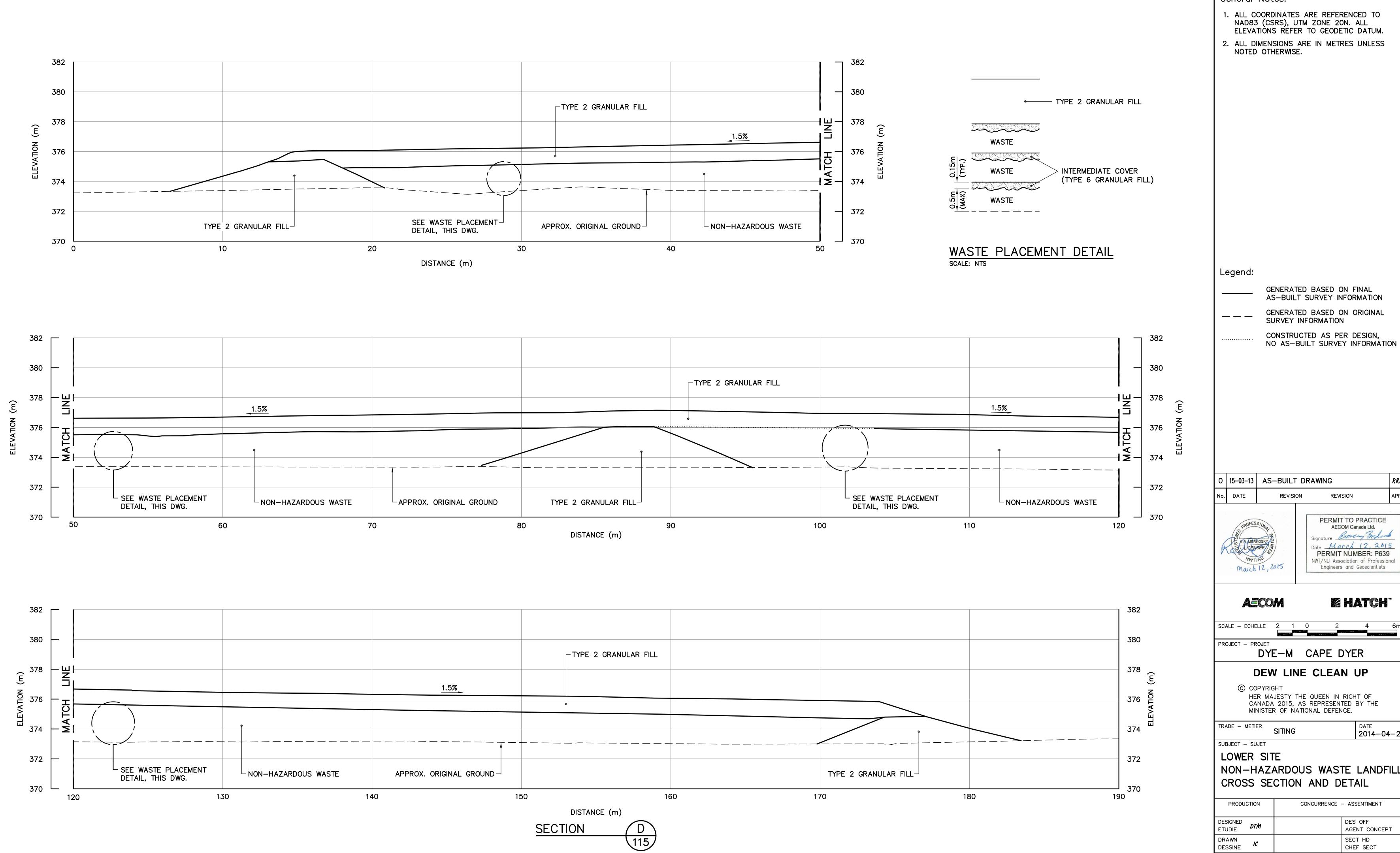
TRADE - METIER SITING

DATE 2014-04-23

SUBJECT - SUJET

LOWER SITE NON-HAZARDOUS WASTE LANDFILL BERM CONSTRUCTION PLAN & GRADING/INSTRUMENTATION PLAN

PRODUCTION	CONCURRENCE - ASSENTIMENT	
DESIGNED DTM ETUDIE		DES OFF AGENT CONCEPT
DRAWN DESSINE /C		SECT HD CHEF SECT
CHECKED VERIFIE BWF		DES MGR GEST CONCEPT
COORDINATION RRM	REVIEWED — REVU	
	DWG. NO. – DESSIN NO. H-C75/4-9101-115	



Headquarters Quartier général

General Notes:

- 1. ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 20N. ALL ELEVATIONS REFER TO GEODETIC DATUM.
- 2. ALL DIMENSIONS ARE IN METRES UNLESS

GENERATED BASED ON FINAL AS-BUILT SURVEY INFORMATION

GENERATED BASED ON ORIGINAL

NO AS-BUILT SURVEY INFORMATION

REVISION

PERMIT NUMBER: P639 NWT/NU Association of Professional Engineers and Geoscientists

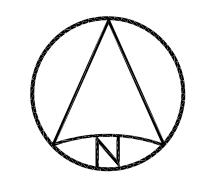
DYE-M CAPE DYER

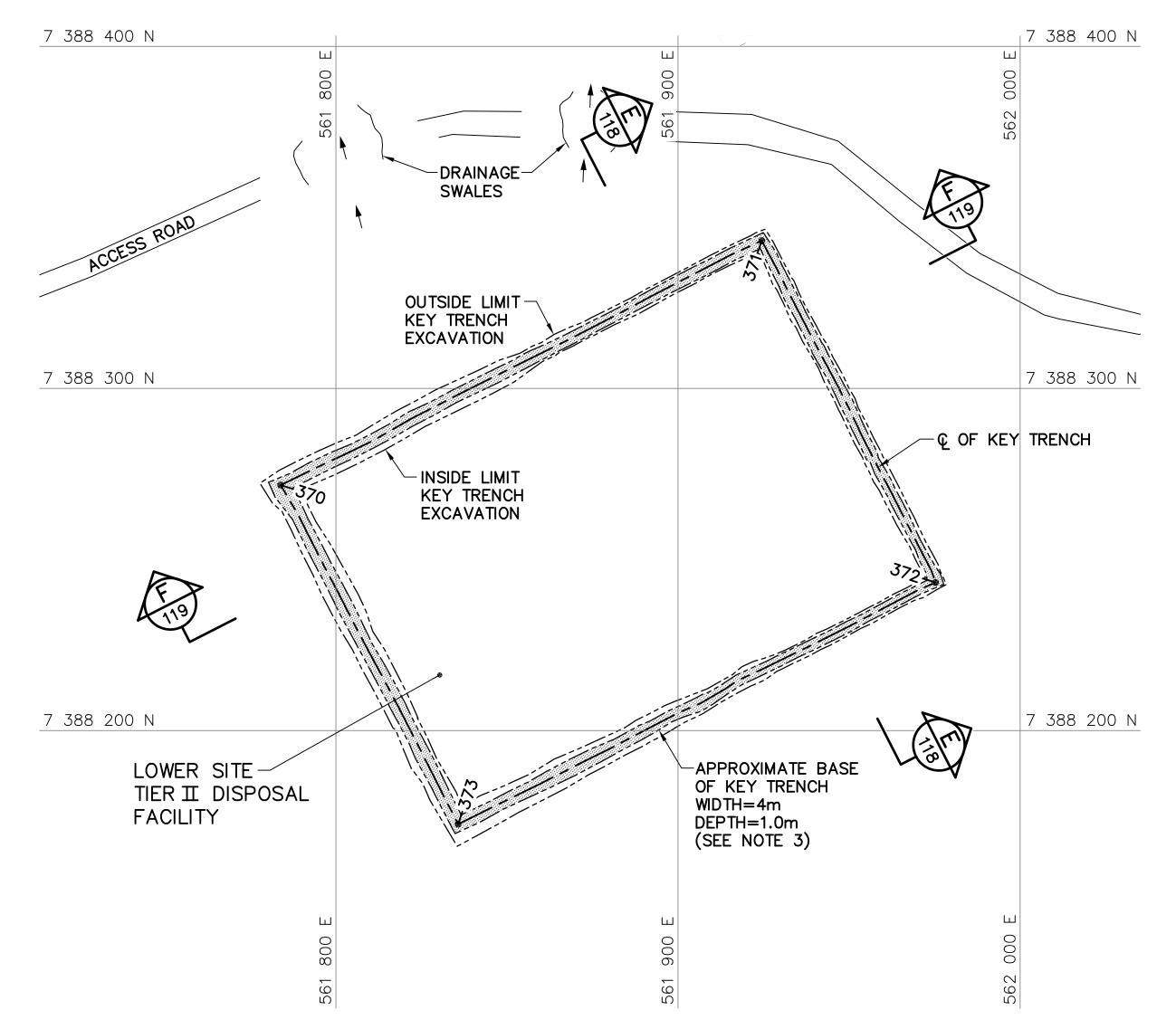
DATE 2014-04-23

NON-HAZARDOUS WASTE LANDFILL CROSS SECTION AND DETAIL

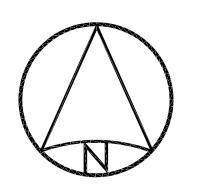
CONCURRENCE - ASSENTIMENT DES OFF AGENT CONCEPT DRAWN SECT HD DESSINE CHEF SECT CHECKED VERIFIE **BWF** DES MGR GEST CONCEPT COORDINATION RRM REVIEWED - REVU

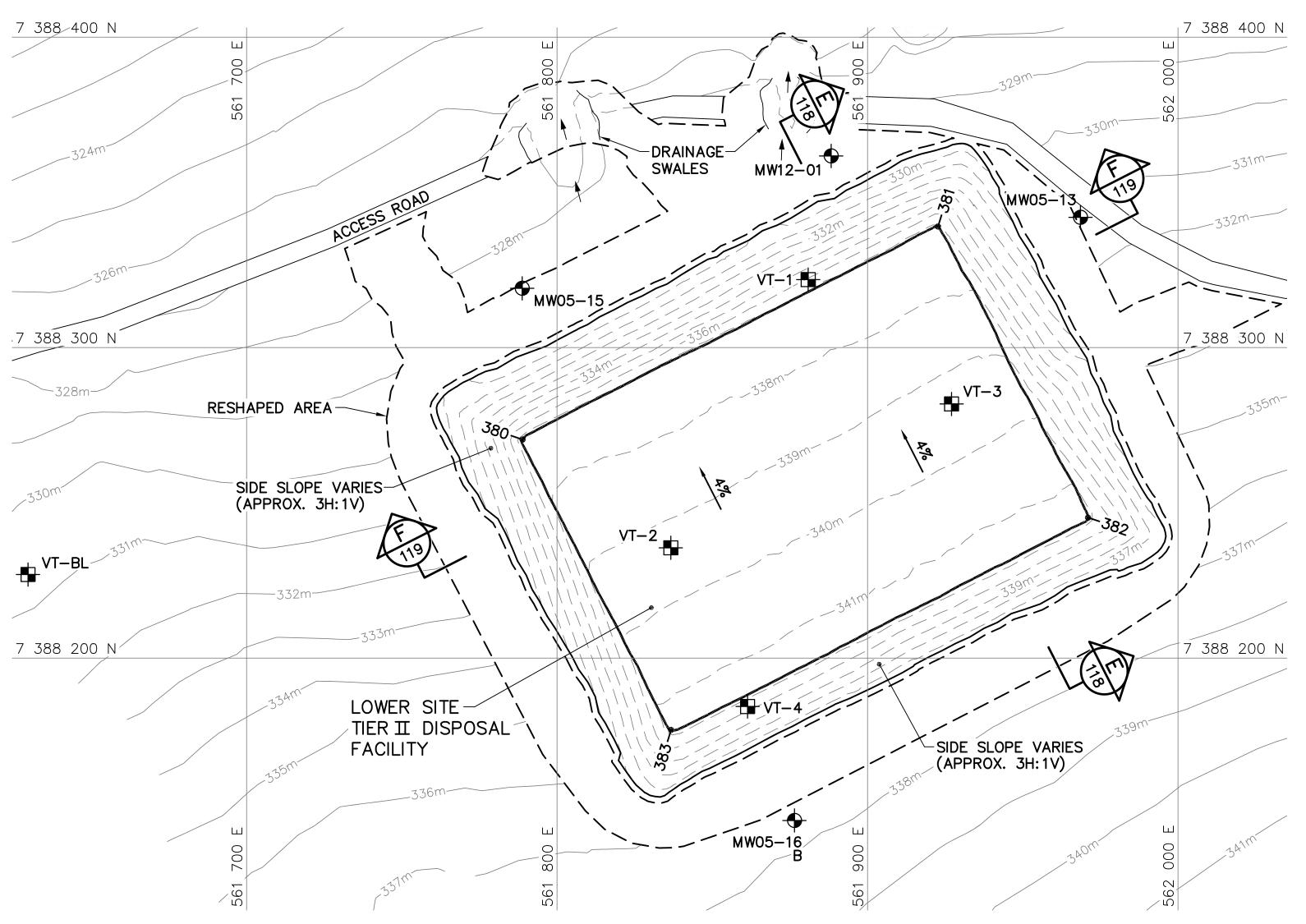
DWG. NO. - DESSIN NO. H-C75/4-9101-116





KEY TRENCH EXCAVATION PLAN





FINAL GRADING/INSTRUMENTATION PLAN

LOWER SITE TIER II DISPOSAL FACILITY KEY TRENCH EXCAVATION (AS-BUILT)			
NO.	UTM COORDINATES		ELEV.
NO.	NORTHING	EASTING	CLE V.
370	7 388 271.8	561 783.9	329.0
371	7 388 343.2	561 924.5	328.3
372	7 388 243.3	561 975.2	334.1
373	7 388 172.6	561 835.7	335.3

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.

	LOWER SITE TIER II DISPOSAL FACILIT FINAL GRADING (AS-BUIL	•
NO.	UTM COORDINATES	FIE
NO.		7 ELE

NO.	UTM COO	ELEV.	
	NORTHING	EASTING	ELEV.
380	7 388 270.4	561 788.9	337.4
381	7 388 339.0	561 922.7	337.2
382	7 388 245.2	561 971.0	341.4
383	7 388 176.9	561 836.7	341.4

LOWER SITE
TIER II DISPOSAL FACILITY
MONITORING WELLS (AS-BUILT)

NO	22	UTM COO	ELEV.	
NO.		NORTHING	EASTING	ELE V.
	MW05-13	7 388 341.9	561 968.6	331.3
	MW05-15	7 388 319.1	561 788.8	328.5
	MW05-16	7 388 147.7	561 876.5	337.5
	MW12-01	7 388 361.7	561 888.3	328.6

TIER II DISPOSAL FACILITY GROUND TEMPERATURE CABLES (AS-BUILT)					
NO.	UTM COO	RDINATES	ELEV.		
NO.	NORTHING	EASTING	ELEV.		
VT-1	7 388 321.9	561 880.9	336.3		
VT-2	7 388 235.5	561 836.6	339.4		
VT-3	7 388 281.8	561 927.1	339.4		
VT-4	7 388 184.4	561 861.4	340.4		
VT-BL	7 388 226.9	561 629.6	330.4		

LOWER SITE



National Défense Defence nationale

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- 3. KEY TRENCH EXCAVATED TO SATURATED GROUND, ICE SATURATED PERMAFROST OR SOUND BEDROCK. EXCAVATION DEPTH WAS FIELD CONFIRMED BY THE SITE ENGINEER.
- 4. FOR MONITORING WELL INSTALLATION DETAILS, SEE DWG. H-C75/4-9101-191.
- 5. FOR VERTICAL GROUND TEMPERATURE CABLE INSTALLATION DETAILS, SEE DWG. H-C75/4-9101-190.
- 6. GRANULAR FERTILIZER WAS APPLIED TO THE FINISHED SURFACE OF THE TIER II DISPOSAL FACILITY.

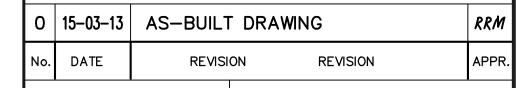


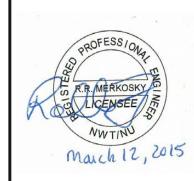
COORDINATE POINT

MONITORING WELL LOCATION (3)

BACKGROUND MONITORING WELL LOCATION (1)

VERTICAL GROUND TEMPERATURE CABLE LOCATION (5)





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Date March 12, 2015

PERMIT NUMBER: P639

NWT/NU Association of Professional Engineers and Geoscientists

EHATCH

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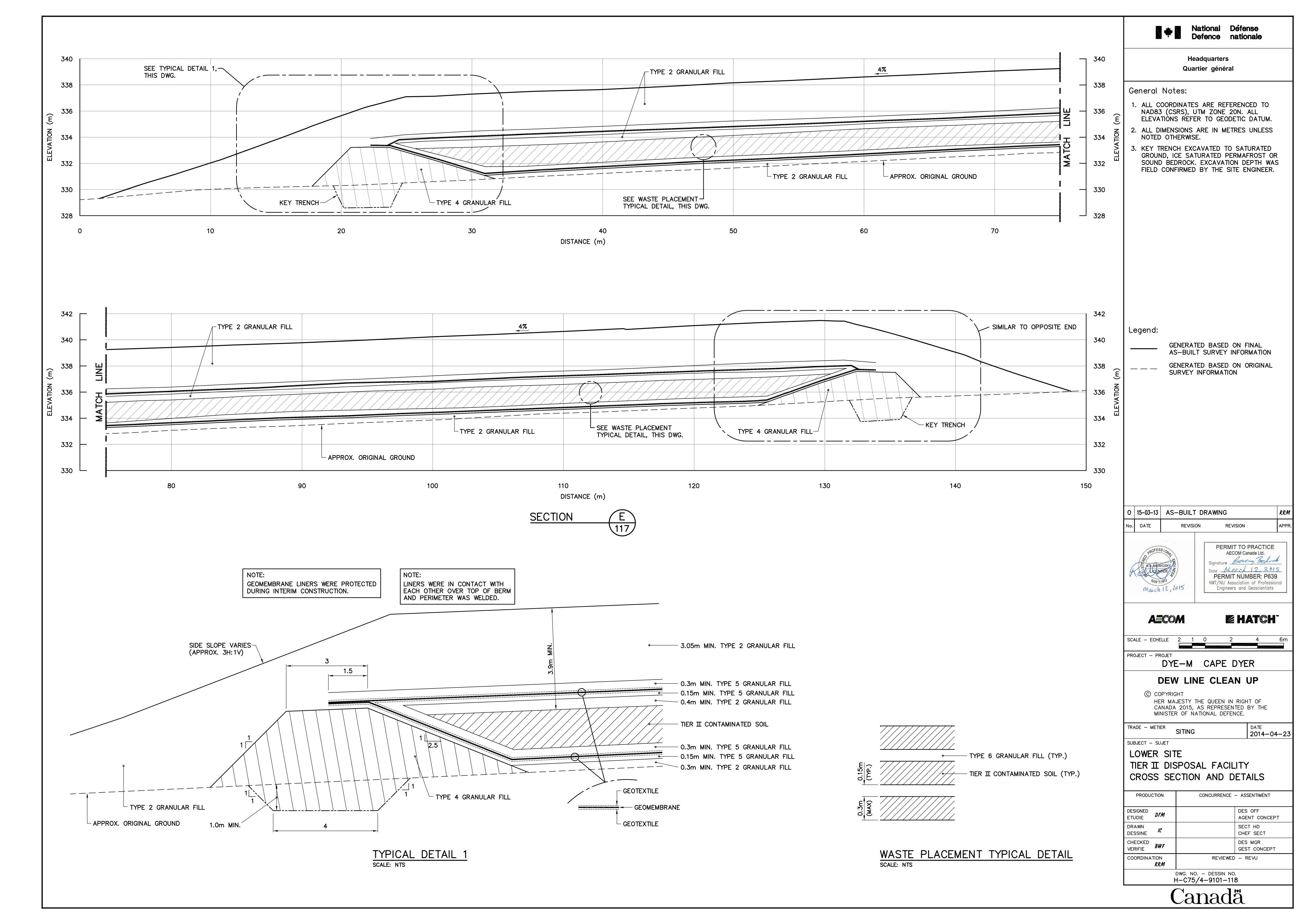
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2014-04-23

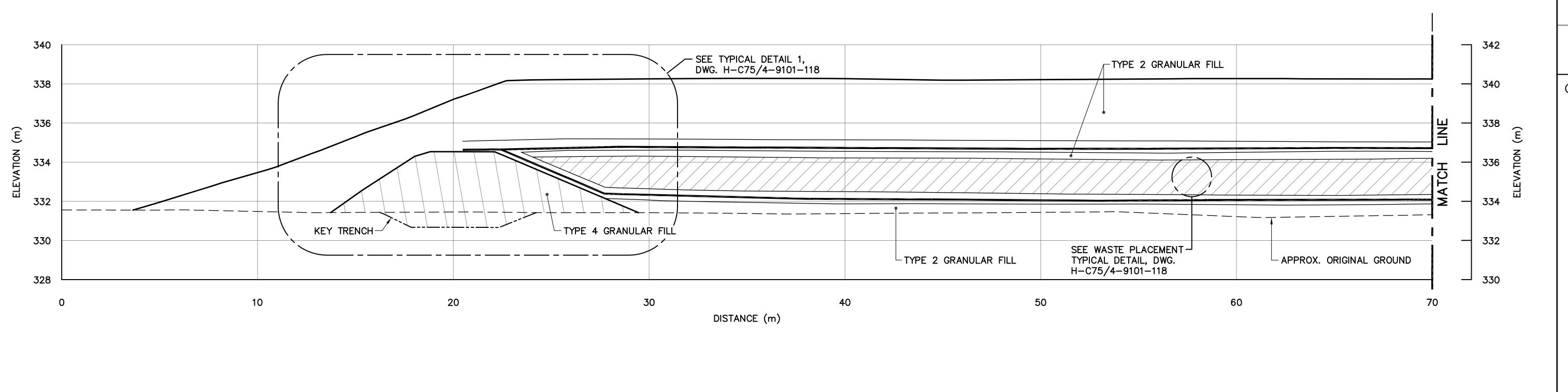
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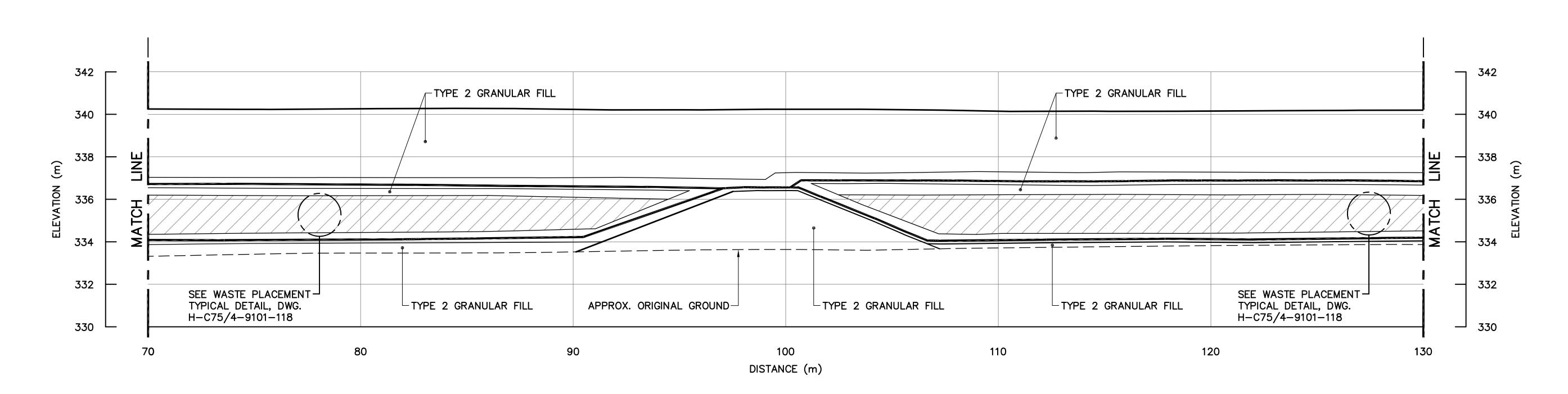
LOWER SITE TIER II DISPOSAL FACILITY KEY TRENCH EXCAVATION PLAN & GRADING/INSTRUMENTATION PLAN

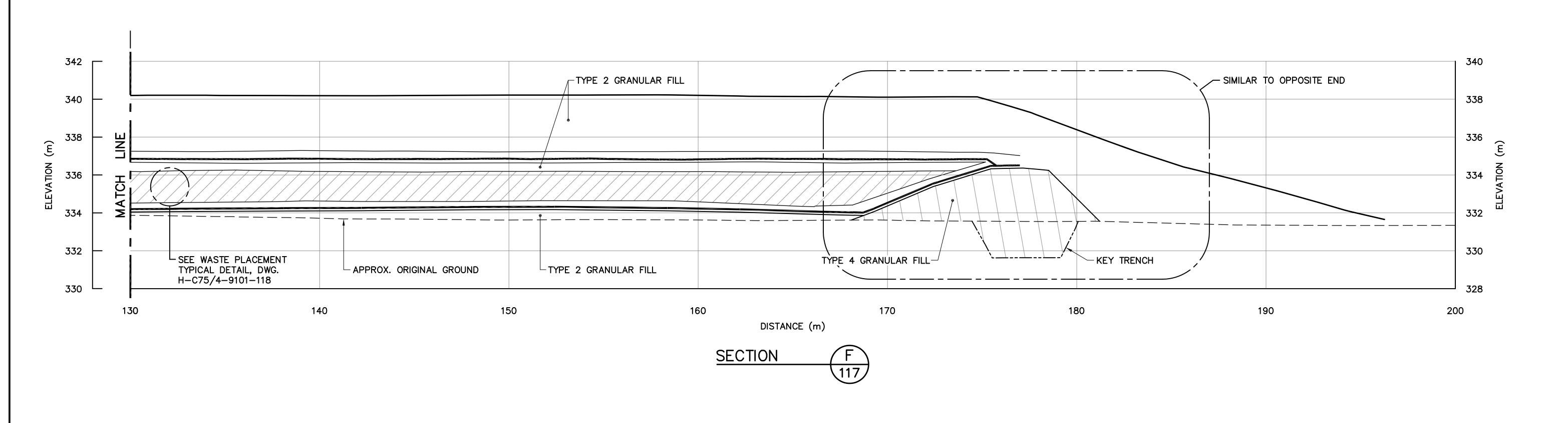
PRODUCTION		CONCURRENCE -	- ASSENTIMENT
DESIGNED ETUDIE	DTM		DES OFF AGENT CONCEPT
DRAWN DESSINE	IC		SECT HD CHEF SECT
CHECKED VERIFIE	BWF		DES MGR GEST CONCEPT
COORDINA	TION <i>RRM</i>	REVIEWED	– REVU
		DWC NO - DESSIN NO	

DWG. NO. - DESSIN NO. H-C75/4-9101-117











Headquarters Quartier général

General Notes:

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Legend:

GENERATED BASED ON FINAL AS-BUILT SURVEY INFORMATION

__ GENERATED BASED ON ORIGINAL SURVEY INFORMATION

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 AS-BUILT DRAWING
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AECOM Canada Ltd.

Signature Bouley School

Date March 12, 2015

PERMIT NUMBER: P639

NWT/NU Association of Professional Engineers and Geoscientists

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TRADE - METIER SITING

SUBJECT - SUJET

PROJECT - PROJET

LOWER SITE
TIER II DISPOSAL FACILITY

CROSS SECTION

PRODUCTION CONCURRENCE - ASSENTIMENT

DESIGNED ETUDIE

DRAWN
DESSINE

CHECKED
VERIFIE

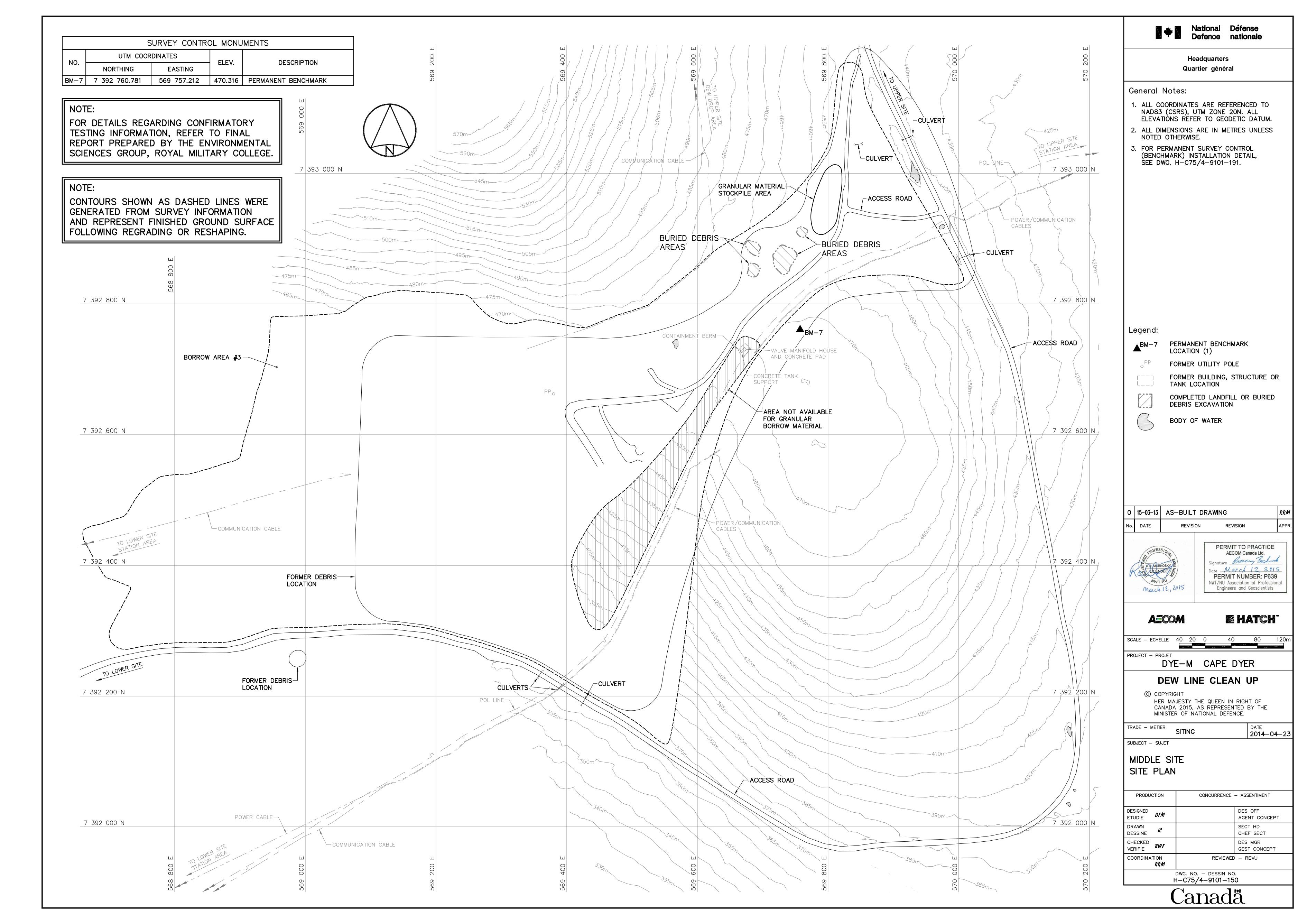
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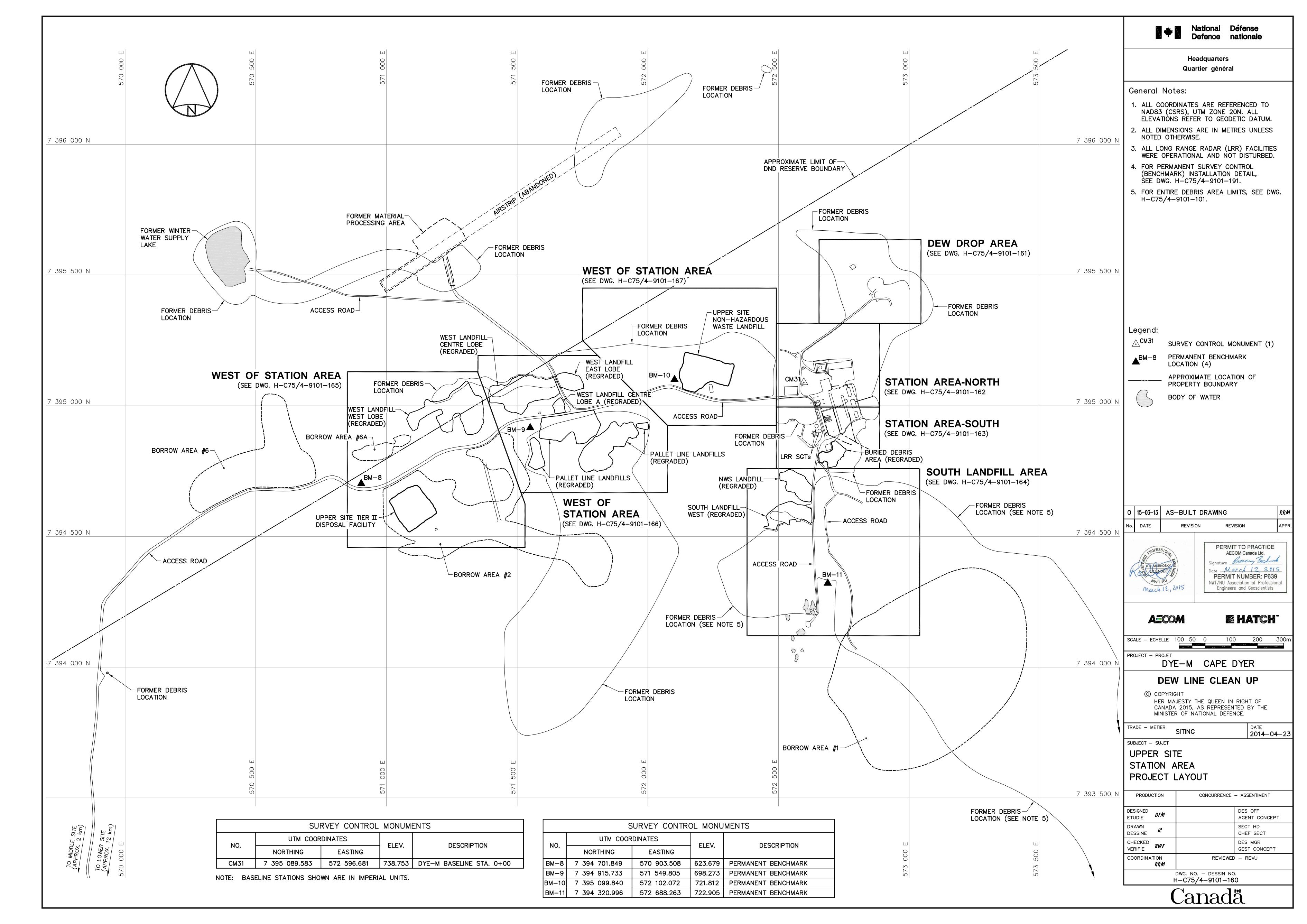
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CHEF SECT

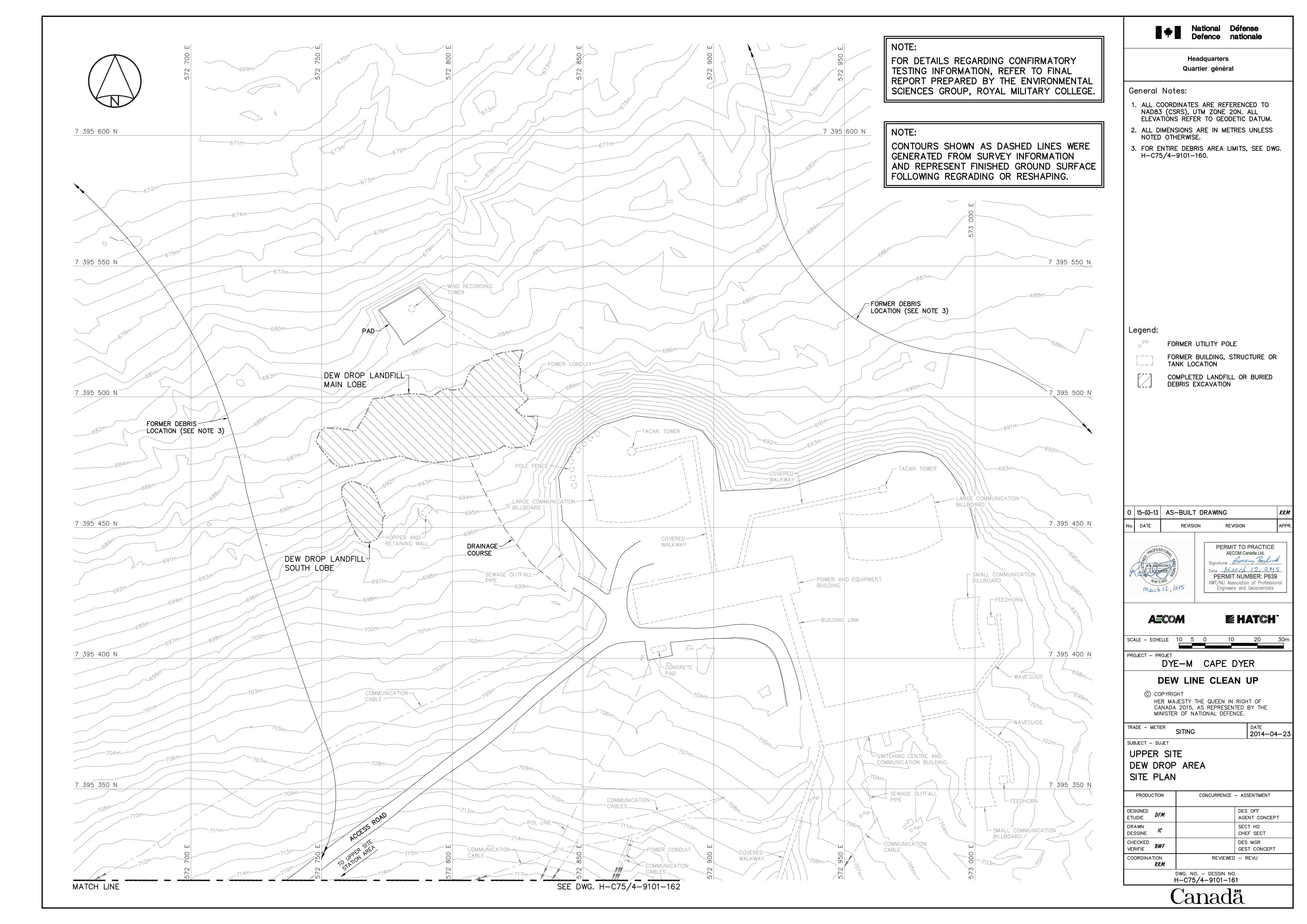
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GEST CONCEPT

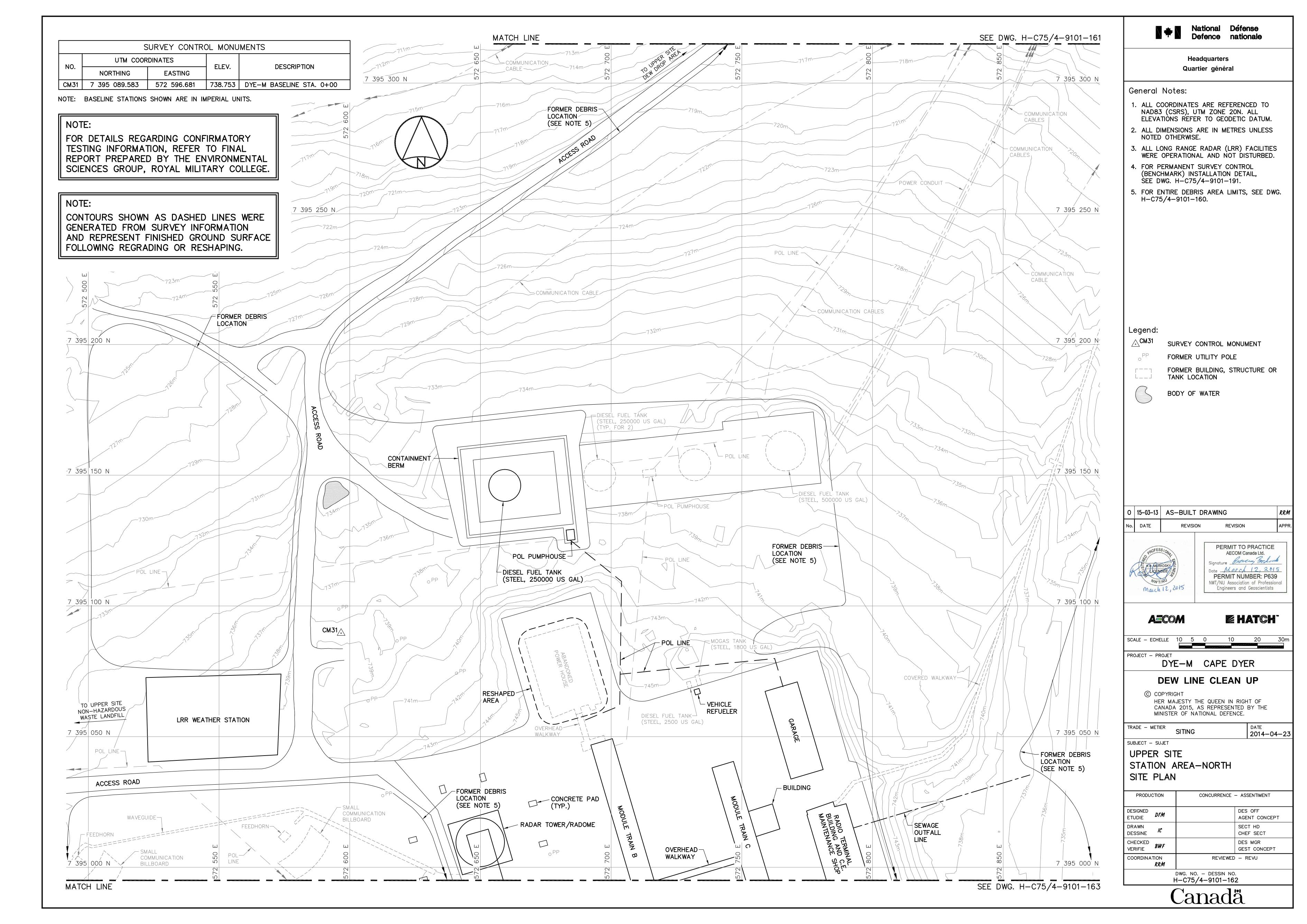
REVIEWED — REVU

DWG. NO. - DESSIN NO. H-C75/4-9101-119









	BURIED DEBRIS AREA REGRADED (AS-BUILT)						
110	UTM COO	RDINATES			UTM COORDINATES		
NO.	NORTHING	EASTING	ELEV.	NO.	NORTHING	EASTING	ELEV.
400	7 394 813.8	572 659.7	742.0	411	7 394 779.6	572 720.0	737.8
401	7 394 820.9	572 671.7	743.4	412	7 394 770.3	572 709.3	737.8
402	7 394 823.1	572 694.4	743.4	413	7 394 768.4	572 692.9	738.3
403	7 394 831.4	572 706.3	743.3	414	7 394 785.7	572 692.2	739.8
404	7 394 836.4	572 707.6	743.4	415	7 394 789.3	572 686.9	740.2
405	7 394 859.5	572 701.7	744.2	416	7 394 794.6	572 689.6	740.9
406	7 394 865.9	572 717.0	743.9	417	7 394 792.9	572 683.8	741.1
407	7 394 842.9	572 743.2	741.7	418	7 394 796.4	572 678.0	741.4
408	7 394 830.2	572 753.4	740.0	419	7 394 795.8	572 672.5	741.2
409	7 394 817.0	572 745.8	739.5	420	7 394 787.7	572 665.2	740.6
410	7 394 797.2	572 725.9	739.4	421	7 394 791.1	572 660.5	740.8

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.

MATCH LINE SEE DWG. H-C75/4-9101-162OVERHEAD — WALKWAY -SMALL COMMUNICATION -CONCRETE PAD BILLBOARD COVERED -WALKWAY ,-----FUEL TANK (TYP. FOR 4) (STEEL, 18300 POWER CABLE \mathcal{C} ÙS GAĹ.) -SMALL COMMUNICATION / - RADIO TERMINAL SMALL COMMUNICATION -BUILDING BILLBOARD BILLBOARD WAVEGUIDE-7 394 950 N 7 394 950 N Ø SATELLITE-T.V. DISH FEEDHORN _____ FORMER DEBRIS L.F. ANTENNA LOCATION (SEE NOTE 4) CONTAINMENT BERM - NAV CAN TOWER AND ANTENNAE (TYP. FOR 2) POL'LINE -/ FORMER DEBRIS LOCATION (SEE NOTE 4) - DRAINAGE CHANNEL SEWAGE LRR SGTs OUTFALL LINE O ANTENNA 7 394 900 N 7 394 900 N - SEWAGE CONCRETE -OUTFALL FOUNDATION LINE - SEWAGE OUTFALL CONCRETE PAD POWERHOUSE -CAMERA POWER CABLE FORMER DEBRIS-REMOVED LOCATION WINDSOCK (SEE NOTE 4) FORMER DEBRIS LOCATION (SEE NOTE 4) 7 394 850 N 7 394 850 N HELIPAD -SEWAGE OUTFALI - POWER/COMMUNICATION CABLES BURIED DEBRIS AREA AREA REGRADED WITH 0.75m TYPE 2 GRANULAR FILL 7 394 800 N 7 394 800 N



National Défense Defence nationale

Headquarters Quartier général

General Notes:

- 1. ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 20N. ALL ELEVATIONS REFER TO GEODETIC DATUM.
- 2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- 3. ALL LONG RANGE RADAR (LRR) FACILITIES WERE OPERATIONAL AND NOT DISTURBED.
- 4. FOR ENTIRE DEBRIS AREA LIMITS, SEE DWG. H-C75/4-9101-160.



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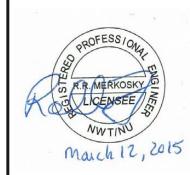
COORDINATE POINT

FORMER UTILITY POLE

FORMER BUILDING, STRUCTURE OR TANK LOCATION

 O
 15-03-13
 AS-BUILT DRAWING
 RR.

 No.
 DATE
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 REVISION
 APPRIOR



PERMIT TO PRACTICE
AECOM Canada Ltd.

Signature Boung Bedand

Date March 12, 2015

PERMIT NUMBER: P639

NWT/NU Association of Professional Engineers and Geoscientists

AECOM

EHATCH

2014-04-23

PROJECT - PROJET

DYE-M CAPE DYER

SCALE - ECHELLE 10 5 0 10 20 30m

DEW LINE CLEAN UP

DEW LINE CLEAN

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CANADA 2015, AS REPRESENTED BY THE

MINISTER OF NATIONAL DEFENCE.

TRADE - METIER SITING

SUBJECT - SUJET

UPPER SITE STATION AREA—SOUTH

SITE PLAN

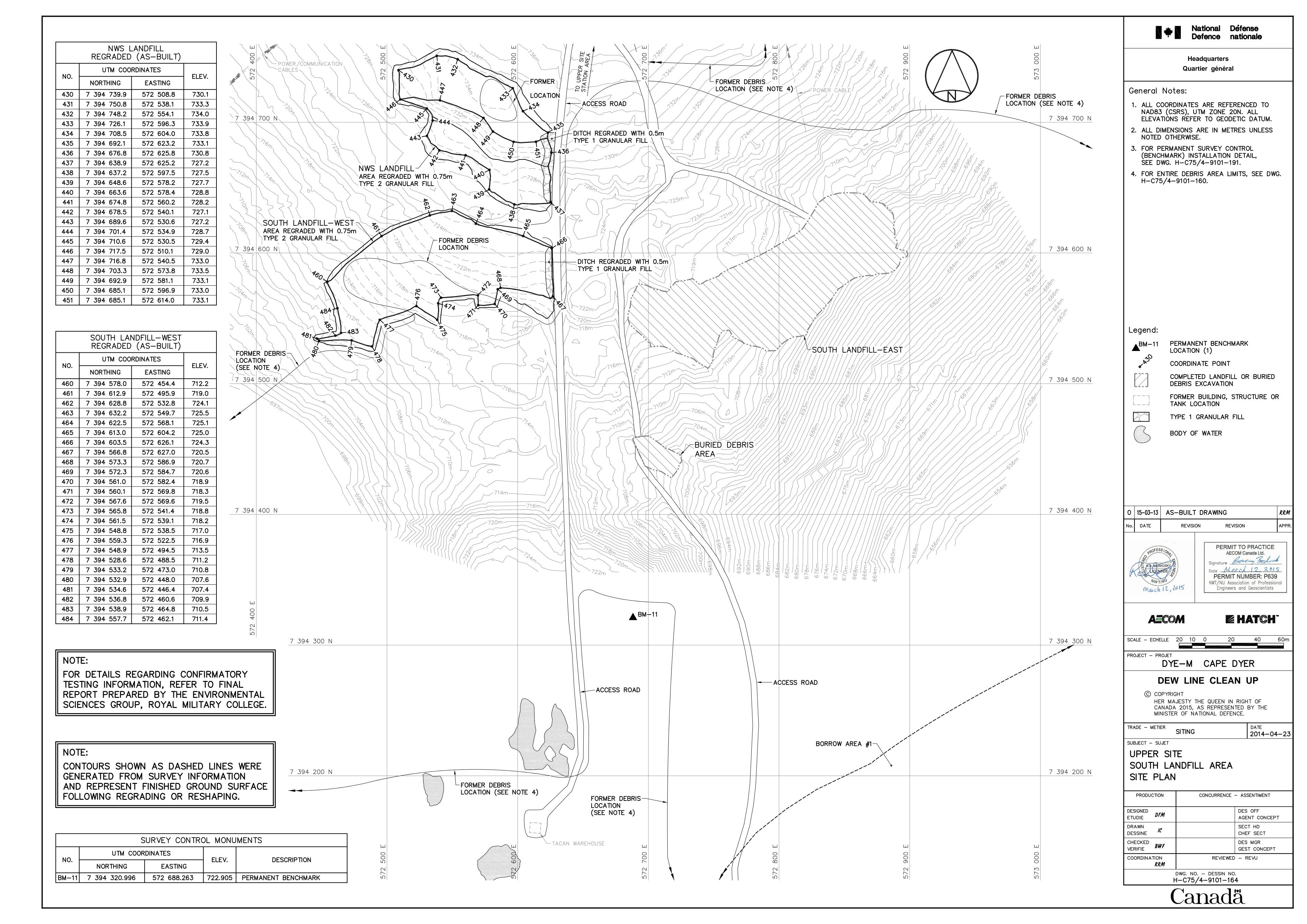
PRODUCTION CONCURRENCE - ASSENTIMENT

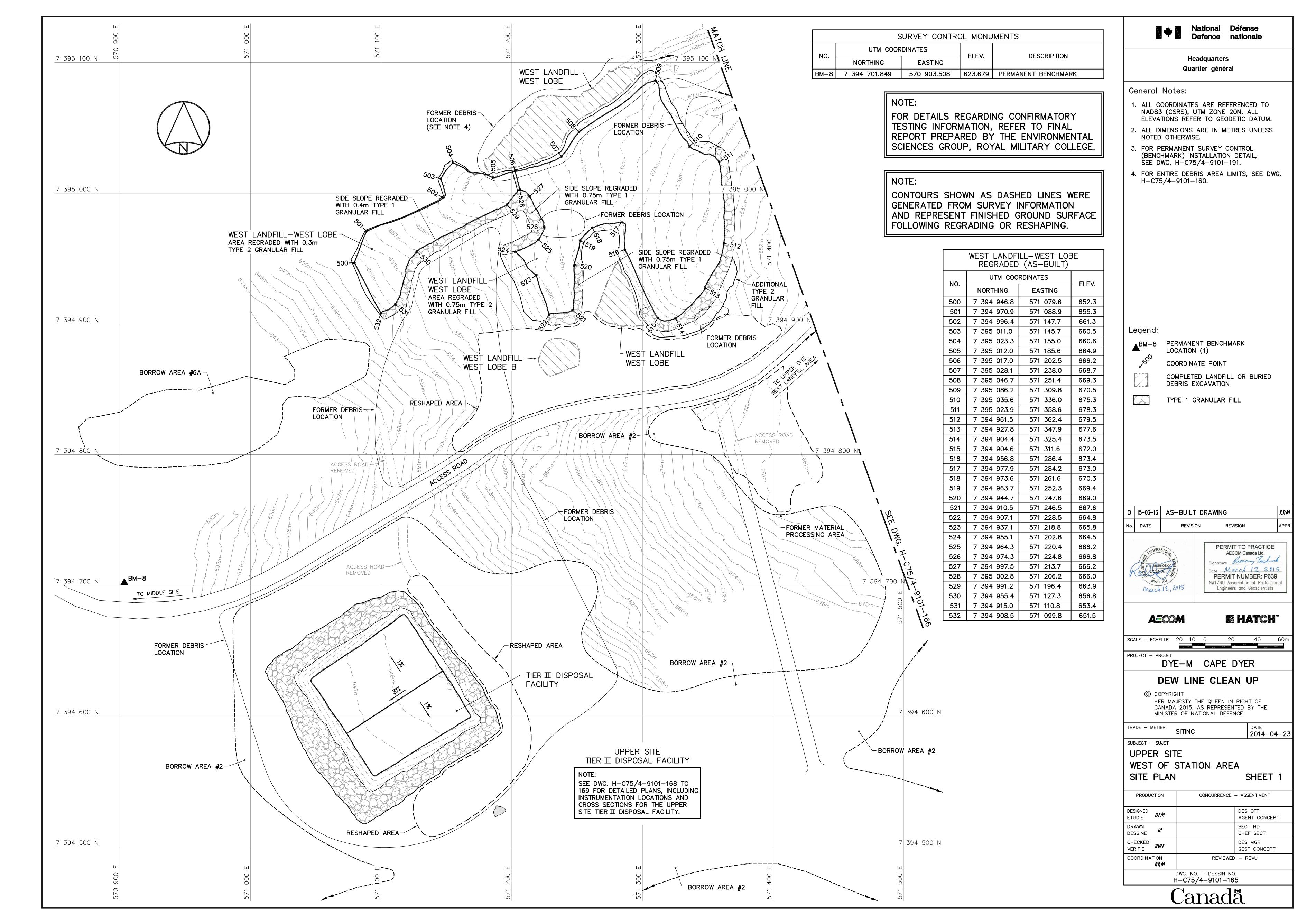
DESIGNED ETUDIE DTM DES OFF AGENT CONCEPT

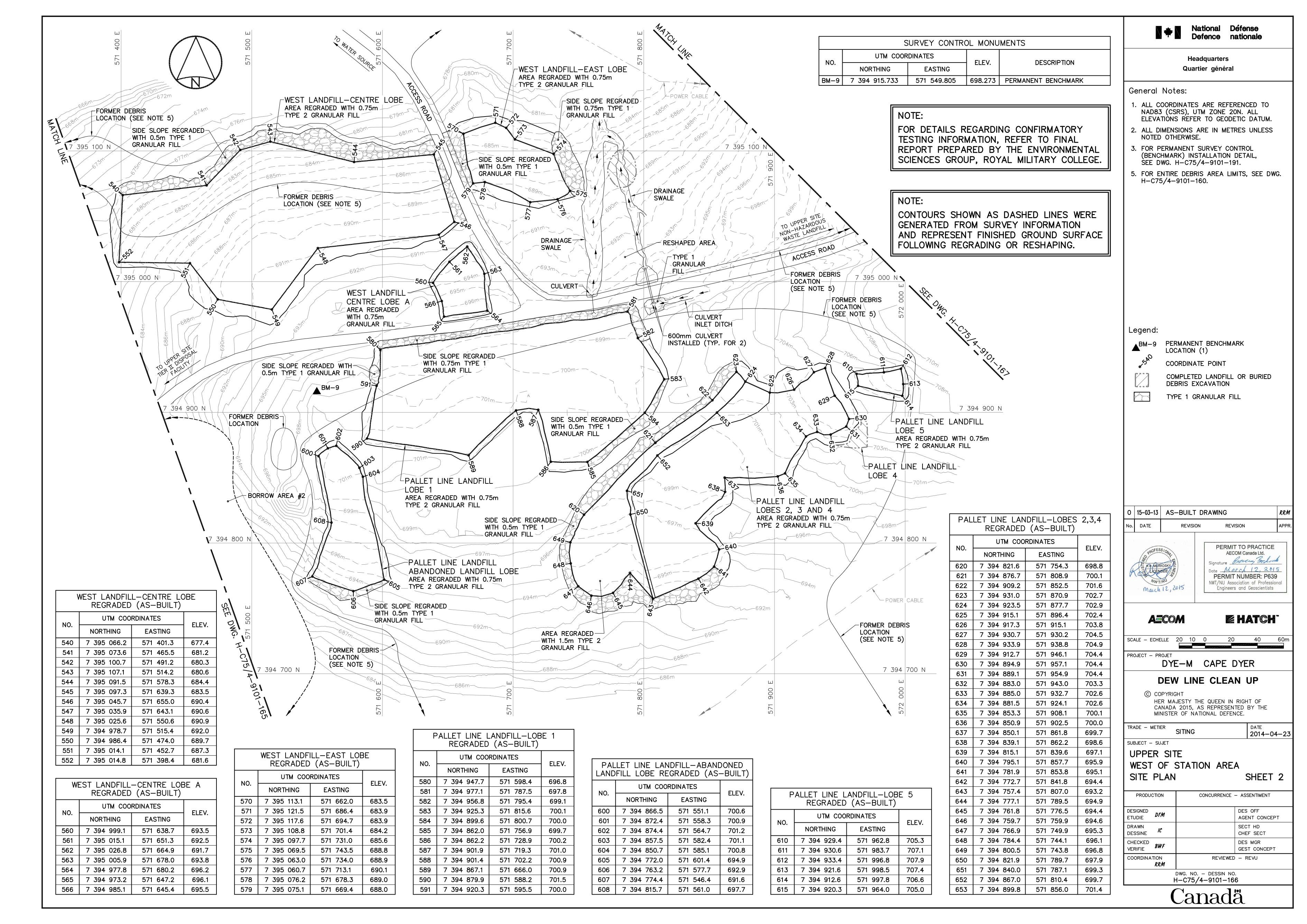
DRAWN DESSINE IC CHECKED VERIFIE BWF

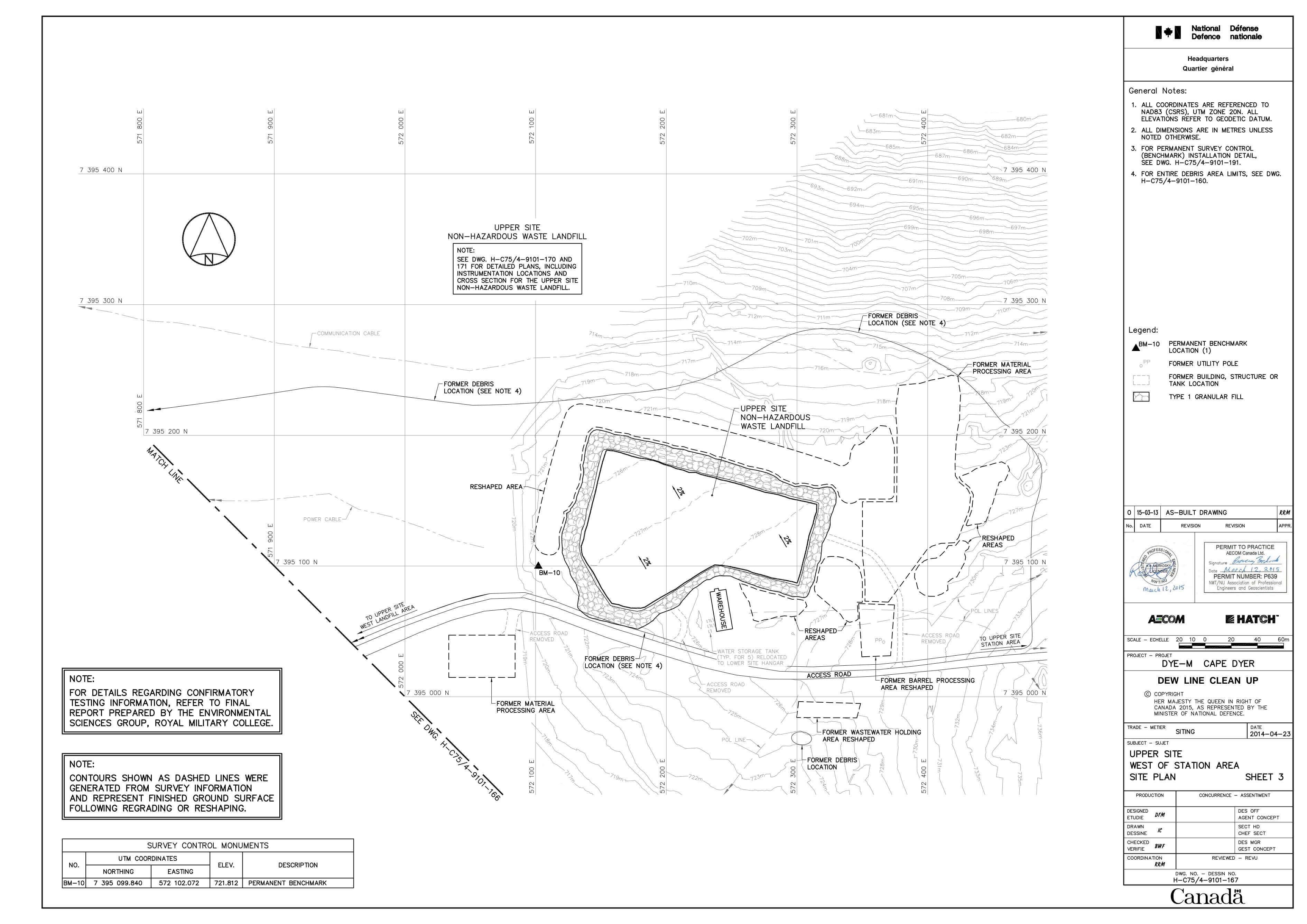
COORDINATION REVIEWED — REVU

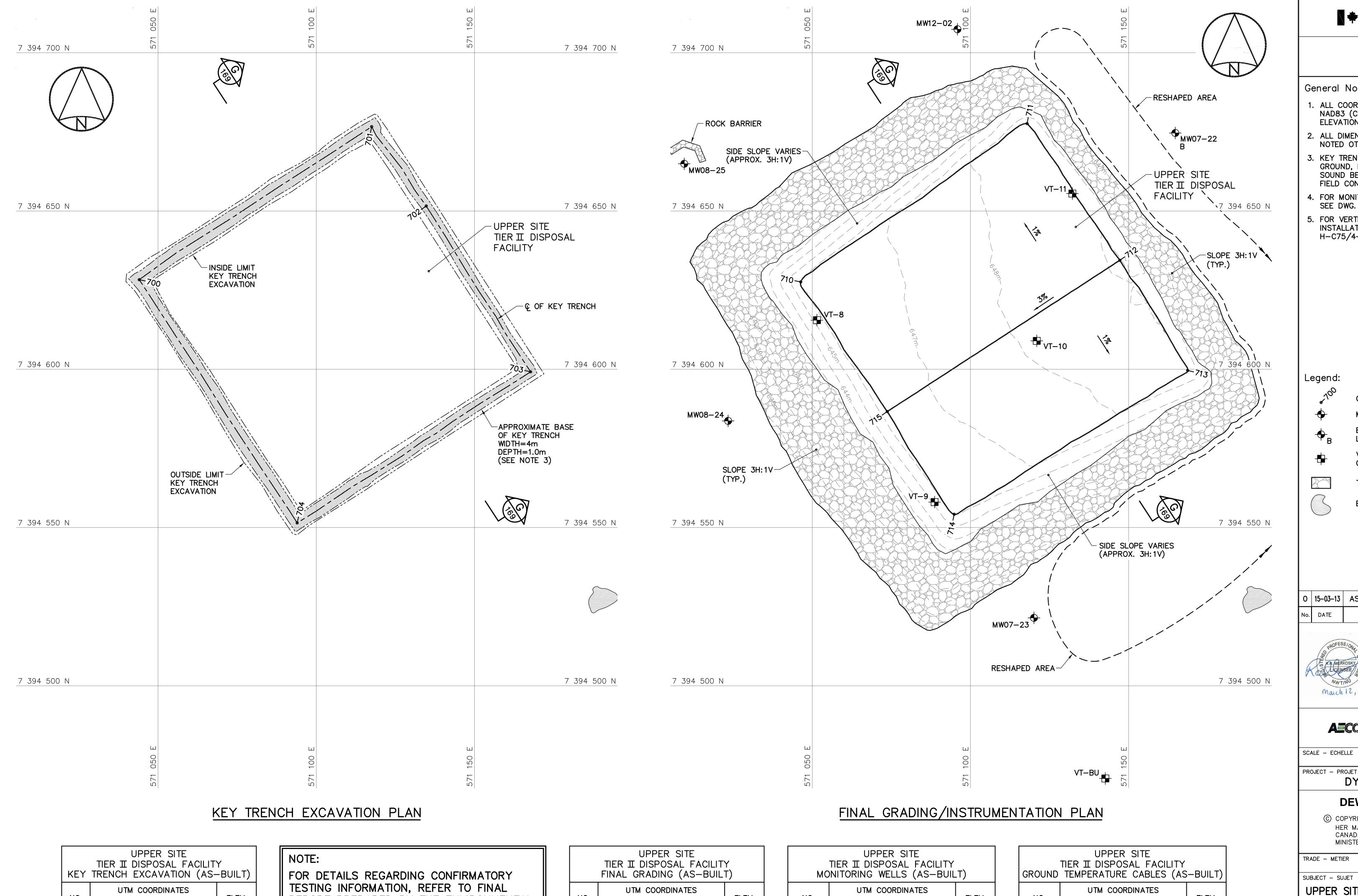
DWG. NO. - DESSIN NO. H-C75/4-9101-163











			•	
NO.	UTM COO	ELEV.		
	NO.	NORTHING	EASTING	ELEV.
	700	7 394 628.3	571 044.1	637.5
	701	7 394 676.7	571 117.5	642.4
	702	7 394 651.6	571 134.8	644.0
	703	7 394 599.2	571 167.7	642.4
	704	7 394 551.5	571 094.0	637.3

REPORT PREPARED BY THE ENVIRONMENTAL SCIENCES GROUP, ROYAL MILITARY COLLEGE.

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

	TIER II DISP	R SITE OSAL FACILIT NG (AS—BUIL	
NO	UTM COO	RDINATES	FLFV
NO.	NORTHING	EASTING	ELEV

NO.	NO	UTM COO	ELEV	
	NORTHING	EASTING] ELEV	
	710	7 394 627.6	571 046.4	646.0
	711	7 394 677.6	571 117.9	648.6
	712	7 394 634.4	571 147.2	649.
	713	7 394 599.6	571 168.6	648.8
	714	7 394 554.2	571 094.9	646.0
	715	7 394 586.6	571 073.7	646.6

NO.	UTM COO	ELEV.	
NO.	NORTHING	EASTING	ELE V.
MW07-22	7 394 674.6	571 164.7	648.5
MW07-23	7 394 521.5	571 120.1	638.2
MW08-24	7 394 583.7	571 023.4	636.1
MW08-25	7 394 664.9	571 009.6	635.1
MW12-02	7 394 707.4	571 095.9	642.3

TEME	UPPER SITE TIER II DISPOSAL FACILITY TEMPORARY MONITORING WELL REMOVED				
	10.	UTM COORDINATES			
NO.		NORTHING	EASTING		
MWO	9-22A	7 394 677.2	571 162.4		

NO.	U IM COO	ELEV.	
NO.	NORTHING	EASTING	
VT-8	7 394 615.5	571 051.5	645.4
VT-9	7 394 558.0	571 088.7	645.5
VT-10	7 394 609.0	571 121.0	648.2
VT-11	7 394 655.5	571 132.2	648.9
VT-BU	7 394 470.7	571 142.6	636.9

National Défense Defence nationale

Headquarters Quartier général

General Notes:

- 1. ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 20N. ALL ELEVATIONS REFER TO GEODETIC DATUM.
- 2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- 3. KEY TRENCH EXCAVATED TO SATURATED GROUND, ICE SATURATED PERMAFROST OR SOUND BEDROCK. EXCAVATION DEPTH WAS FIELD CONFIRMED BY THE SITE ENGINEER.
- 4. FOR MONITORING WELL INSTALLATION DETAILS, SEE DWG. H-C75/4-9101-191.
- 5. FOR VERTICAL GROUND TEMPERATURE CABLE INSTALLATION DETAILS, SEE DWG. H-C75/4-9101-190.



COORDINATE POINT



MONITORING WELL LOCATION (4) BACKGROUND MONITORING WELL LOCATION (1)



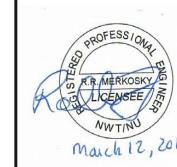
VERTICAL GROUND TEMPERATURE CABLE LOCATION (5)



BODY OF WATER

TYPE 1 GRANULAR FILL

0 | 15-03-13 | AS-BUILT DRAWING



PERMIT TO PRACTICE AECOM Canada Ltd. Engineers and Geoscientists

AECOM

EHATCH

DATE 2014-04-23

SCALE - ECHELLE 10 5 0 10 20 30m

DYE-M CAPE DYER

DEW LINE CLEAN UP

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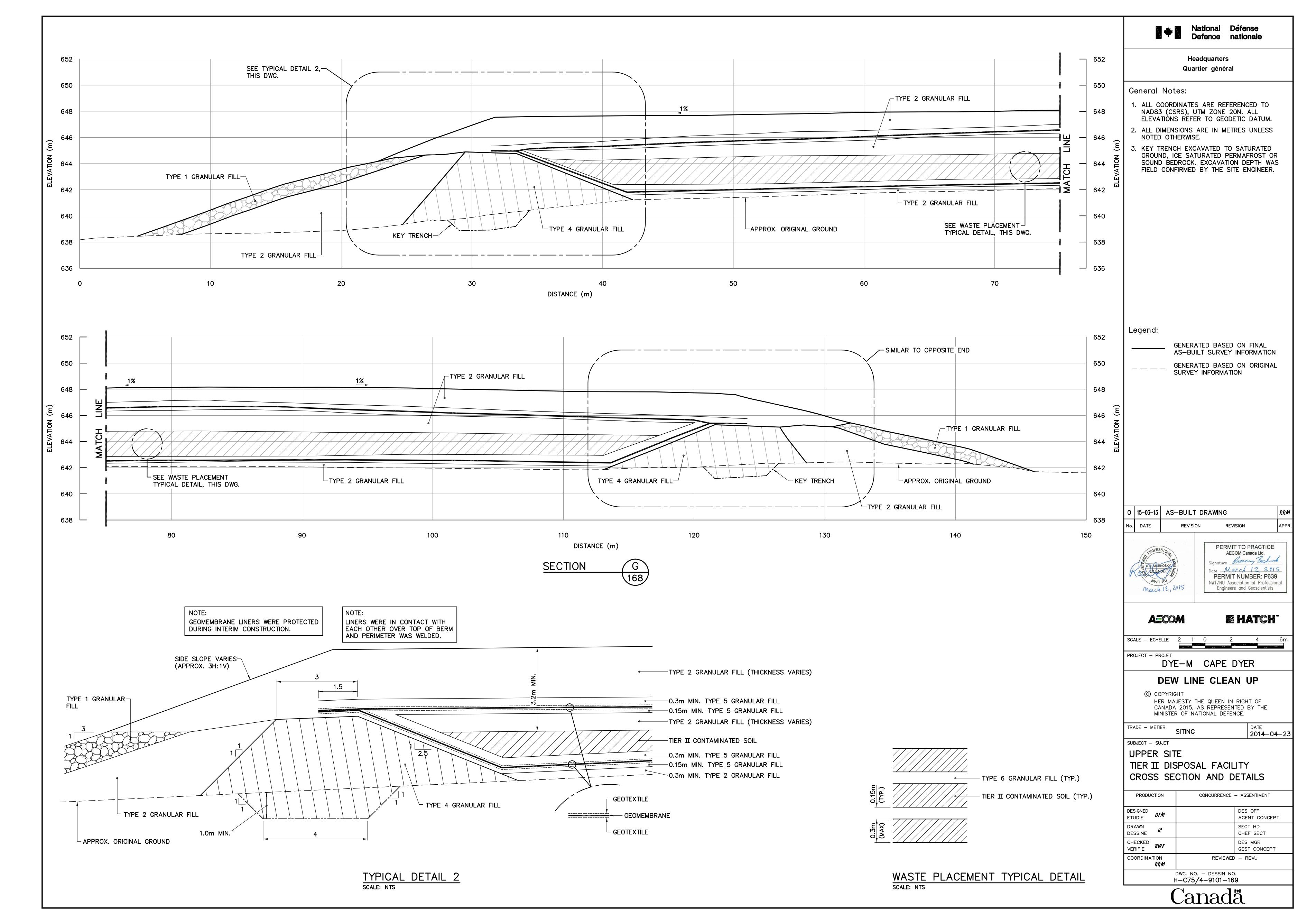
CANADA 2015, AS REPRESENTED BY THE MINISTER OF NATIONAL DEFENCE.

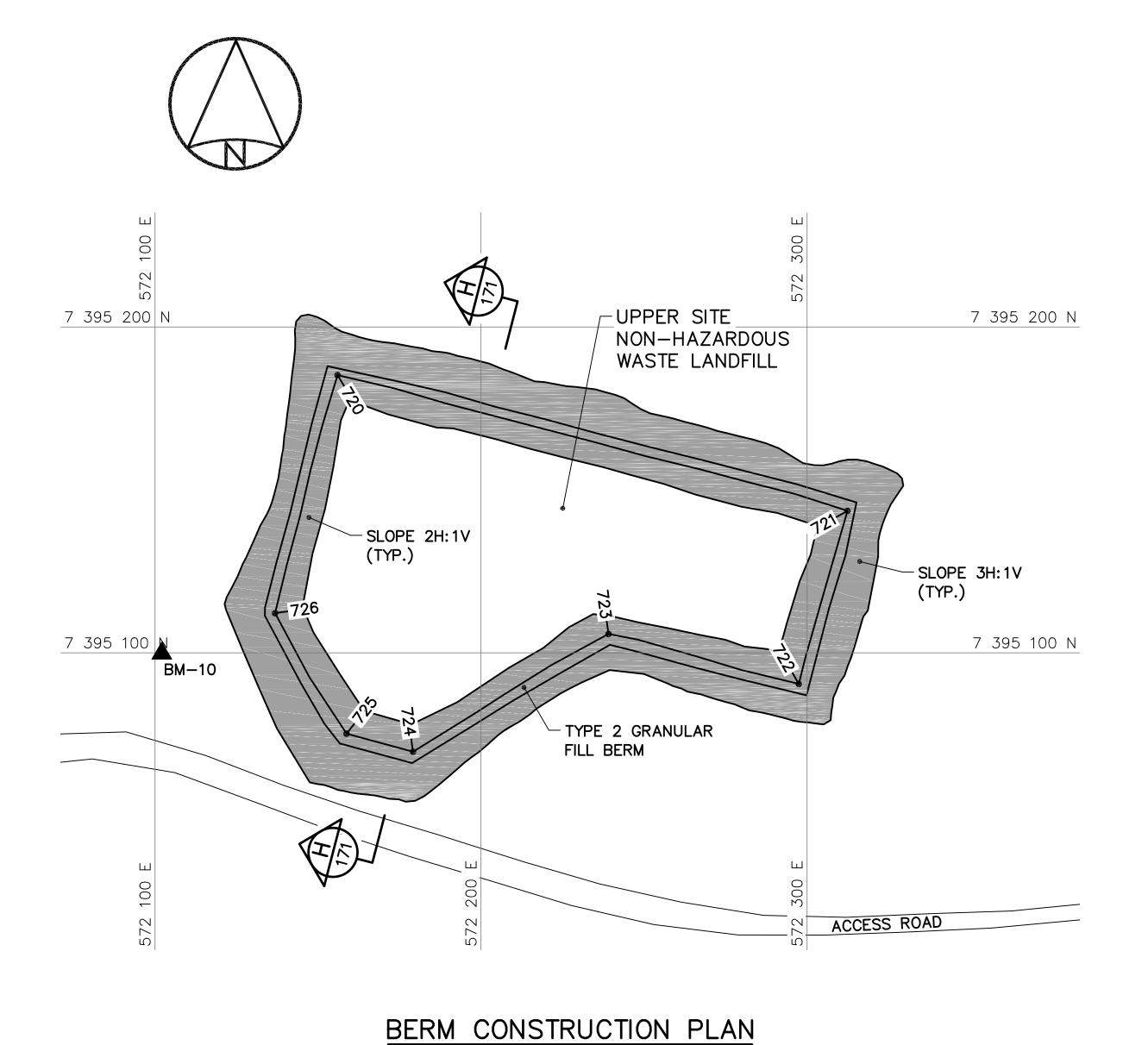
SUBJECT - SUJET

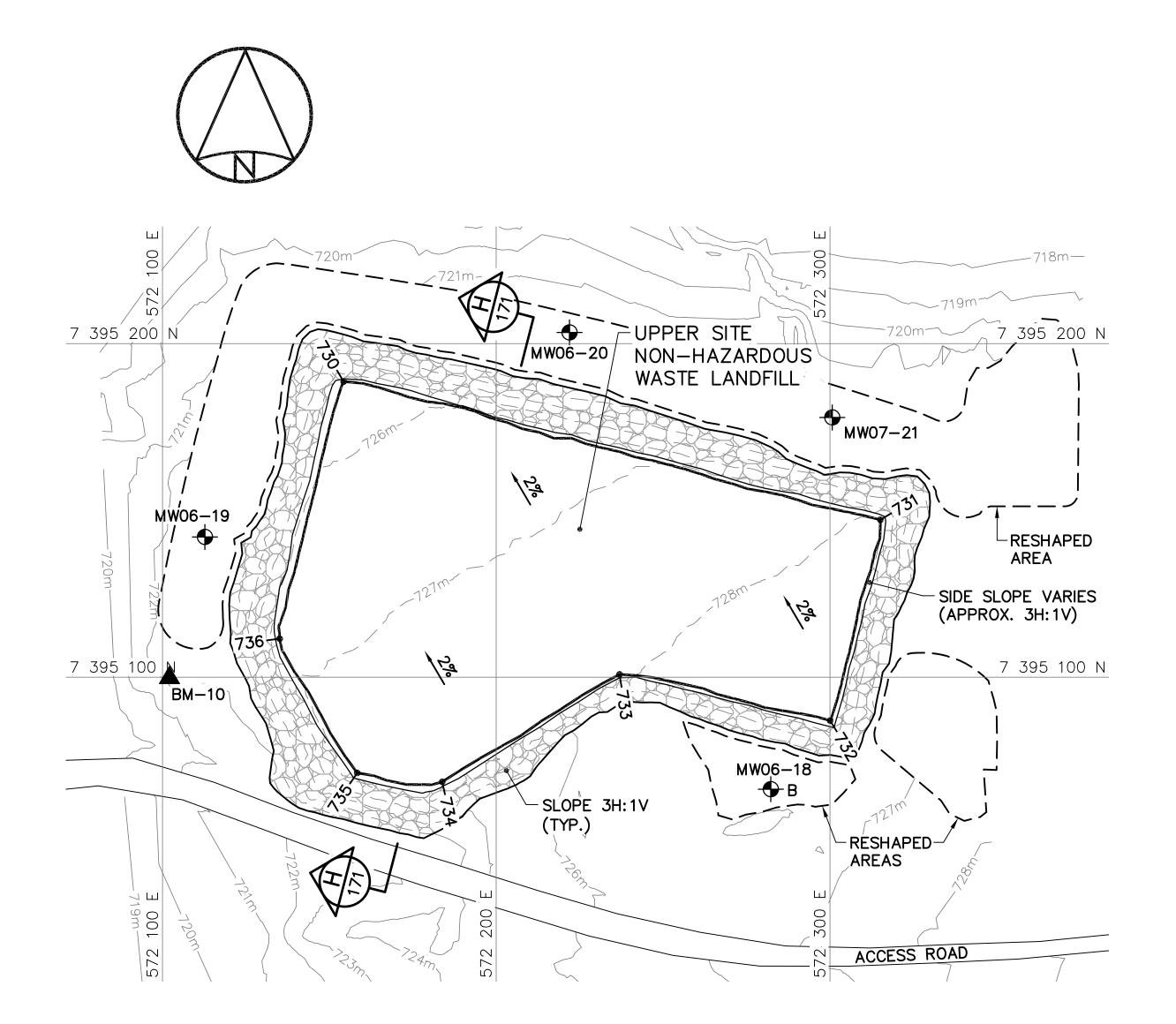
UPPER SITE TIER II DISPOSAL FACILITY KEY TRENCH EXCAVATION PLAN & GRADING/INSTRUMENTATION PLAN

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

DWG. NO. - DESSIN NO. H-C75/4-9101-168 Canadä







FINAL GRADING/INSTRUMENTATION PLAN

		UF	PER	SITI	Ξ	
–					STE LANI	
BI	ΞRΜ	CONST	RUCT	ION	(AS-BL	IILT)

	<u></u>	BERNI CONCINCONON (NO BON				
	NO.	UTM COO	ELEV.			
	10.	NORTHING	EASTING			
	720	7 395 185.2	572 156.0	725.3		
	721	7 395 143.6	572 312.4	727.6		
	722	7 395 090.5	572 297.5	728.3		
	723	7 395 105.8	572 239.1	727.6		
	724	7 395 069.7	572 179.1	727.4		
	725	7 395 075.2	572 158.7	727.2		
	726	7 395 112.2	572 136.8	726.4		

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.

UPPER SITE
NON-HAZARDOUS WASTE LANDFILL
FINAL GRADING (AS-BUILT)

	NO	UTM COO	ELEV.		
NO.		NORTHING	EASTING		
	730	7 395 188.6	572 154.3	725.6	
	731	7 395 147.2	572 315.1	728.0	
	732	7 395 087.0	572 300.1	728.8	
	733	7 395 100.9	572 237.0	727.9	
	734	7 395 068.7	572 183.8	728.0	
	735	7 395 071.3	572 158.4	727.7	
	736	7 395 111.6	572 135.1	726.7	

UPPER SITE NON-HAZARDOUS WASTE LANDFILL MONITORING WELLS (AS-BUILT)				
NO.	UTM COORDINATES			
NO.	NORTHING	EASTING	ELEV.	
MW06-18	7 395 066.5	572 282.3	725.6	
MW06-19	7 395 142.0	572 112.7	722.5	
MW06-20	7 395 203.3	572 222.0	720.6	
MW07-21	7 395 177.9	572 300.7	721.7	

SURVEY CONTROL MONUMENTS					
NO.	UTM COORDINATES			DESCRIPTION	
INO.	NORTHING	EASTING	ELEV.	DESCRIPTION	
BM-10	7 395 099.840	572 102.072	721.812	PERMANENT BENCHMARK	



National Défense Defence nationale

Headquarters Quartier général

General Notes:

- ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 20N. ALL ELEVATIONS REFER TO GEODETIC DATUM.
- 2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- 3. FOR MONITORING WELL INSTALLATION DETAILS, SEE DWG. H-C75/4-9101-191.
- 4. FOR PERMANENT SURVEY CONTROL (BENCHMARK) INSTALLATION DETAIL, SEE DWG. H-C75/4-9101-191.

Legend:

▲BM-10

PERMANENT BENCHMARK LOCATION (1)

COORDINATE POINT

MONITORING WELL LOCATION (3)

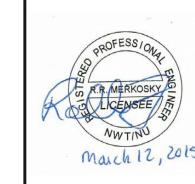
BACKGROUND MONITORING WELL LOCATION (1)

TYPE 1 GRANULAR FILL



 O
 15-03-13
 AS-BUILT DRAWING
 RR/

 No.
 DATE
 REVISION
 REVISION
 APP



PERMIT TO PRACTICE
AECOM Canada Ltd.

Signature Bound 3-Lond
Date March 12, 2015
PERMIT NUMBER: P639
NWT/NU Association of Professional Engineers and Geoscientists

AECOM

Z HATCH"

SCALE - ECHELLE 20 10 0 20 40

PROJECT - PROJET

DYE-M CAPE DYER

DEW LINE CLEAN UP

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SUBJECT — SUJET

TRADE - METIER

SITING

DATE
2014-04-23

SUJET

DATE
2014-04-23

UPPER SITE NON-HAZARDOUS WASTE LANDFILL BERM CONSTRUCTION PLAN & GRADING/INSTRUMENTATION PLAN

PRODU	CTION	CONCURRENCE -	- ASSENTIMENT
DESIGNED ETUDIE	DTM		DES OFF AGENT CONCEPT
DRAWN DESSINE	IC		SECT HD CHEF SECT
CHECKED VERIFIE	BWF		DES MGR GEST CONCEPT
COORDINA	TION <i>RRM</i>	REVIEWED	- REVU
		DWG NO - DESSIN NO	

DWG. NO. — DESSIN NO. H—C75/4—9101—170

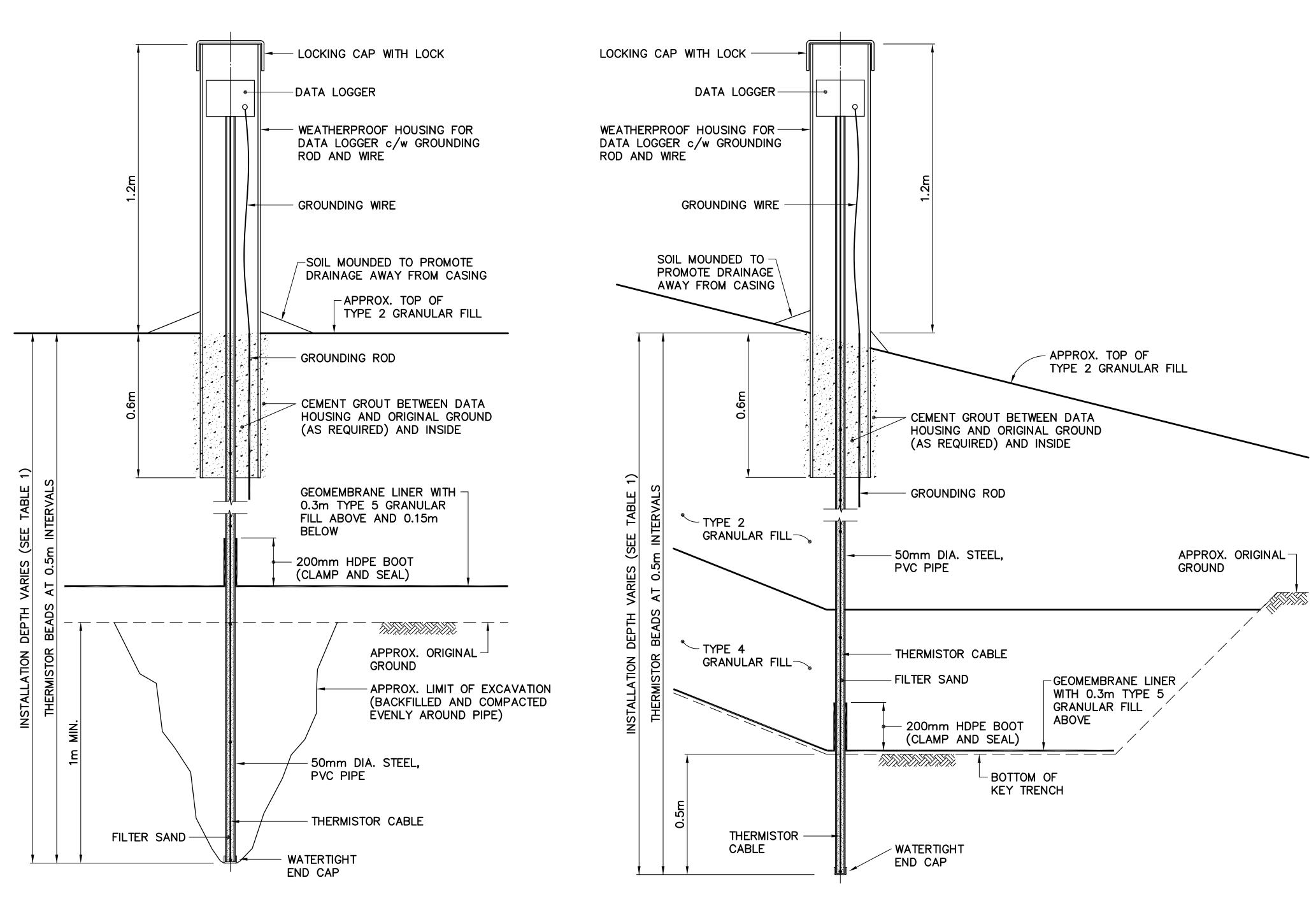
National Défense Defence nationale Headquarters Quartier général General Notes: 1. ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 20N. ALL ELEVATIONS REFER TO GEODETIC DATUM. TYPE 2 GRANULAR FILL 2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE. WASTE INTERMEDIATE COVER (TYPE 6 GRANULAR FILL) WASTE PLACEMENT DETAIL SCALE: NTS Legend: 732 732 GENERATED BASED ON FINAL AS-BUILT SURVEY INFORMATION GENERATED BASED ON ORIGINAL SURVEY INFORMATION 730 730 TYPE 2 GRANULAR FILL 728 VARIES TYPE 1 GRANULAR FILL \lnot APPROX. ORIGINAL GROUND TYPE 2 GRANULAR FILL 722 722 L SEE WASTE PLACEMENT └NON-HAZARDOUS WASTE DETAIL, THIS DWG. 720 20 30 50 60 10 7/0 0 15-03-13 AS-BUILT DRAWING DISTANCE (m) REVISION REVISION DATE PERMIT TO PRACTICE AECOM Canada Ltd. PERMIT NUMBER: P639 NWT/NU Association of Professional 732 732 Engineers and Geoscientists 730 730 AECOM **EHATCH** TYPE 2 GRANULAR FILL 728 728 SCALE - ECHELLE 2 1 0 VARIES PROJECT - PROJET DYE-M CAPE DYER 726 -TYPE 1 GRANULAR FILL **DEW LINE CLEAN UP** 724 724 © COPYRIGHT HER MAJESTY THE QUEEN IN RIGHT OF CANADA 2015, AS REPRESENTED BY THE MINISTER OF NATIONAL DEFENCE. 722 722 L SEE WASTE PLACEMENT TRADE - METIER DATE 2014-04-23 TYPE 2 GRANULAR FILL └ NON-HAZARDOUS WASTE APPROX. ORIGINAL GROUND DETAIL, THIS DWG. SUBJECT - SUJET 720 720 UPPER SITE 80 90 100 120 130 110 140 NON-HAZARDOUS WASTE LANDFILL DISTANCE (m) CROSS SECTION AND DETAIL SECTION CONCURRENCE - ASSENTIMENT PRODUCTION 170 DESIGNED ETUDIE DES OFF AGENT CONCEPT DRAWN SECT HD DESSINE CHEF SECT CHECKED BWF DES MGR GEST CONCEPT COORDINATION RRM REVIEWED - REVU DWG. NO. - DESSIN NO. H-C75/4-9101-171 Canadä

TABLE 1 VERTICAL GROUND TEMPERATURE CABLE INSTALLATION				
INSTRUMENT No.	APPROXIMATE DEPTH BELOW FINAL GRADE (m)	COMMENTS		
LOWER SITE - TIER	RII DISPOSAL FACILI	TY		
VT-1	7.70	INSTALLED THROUGH CENTERLINE BERM TO INVERT OF KEY TRENCH		
VT-2	3.42	INSTALLED TO ELEVATION OF TOP LINER		
VT-3	3.07	INSTALLED TO ELEVATION OF TOP LINER		
VT-4 5.24		INSTALLED THROUGH CENTERLINE BERM TO INVERT OF KEY TRENCH		
LOWER SITE - POV	VERHOUSE LANDFILL			
VT-5	4.10	INSTALLED ON PLATEAU OF LANDFILL		
VT-6	4.35	INSTALLED ON PLATEAU OF LANDFILL		
VT-7	* 4.55	INSTALLED IN TRENCH, 0.5m BELOW LINER		
UPPER SITE - TIEF	RI DISPOSAL FACILI	TY		
VT-8	6.55	INSTALLED THROUGH CENTERLINE BERM TO INVERT OF KEY TRENCH		
VT-9	7.61	INSTALLED THROUGH CENTERLINE BERM TO INVERT OF KEY TRENCH		
VT-10	4.54	INSTALLED TO 1m ABOVE ELEVATION OF BOTTOM LINER		
VT-11	4.53	INSTALLED THROUGH CENTERLINE BERM TO INVERT OF KEY TRENCH		

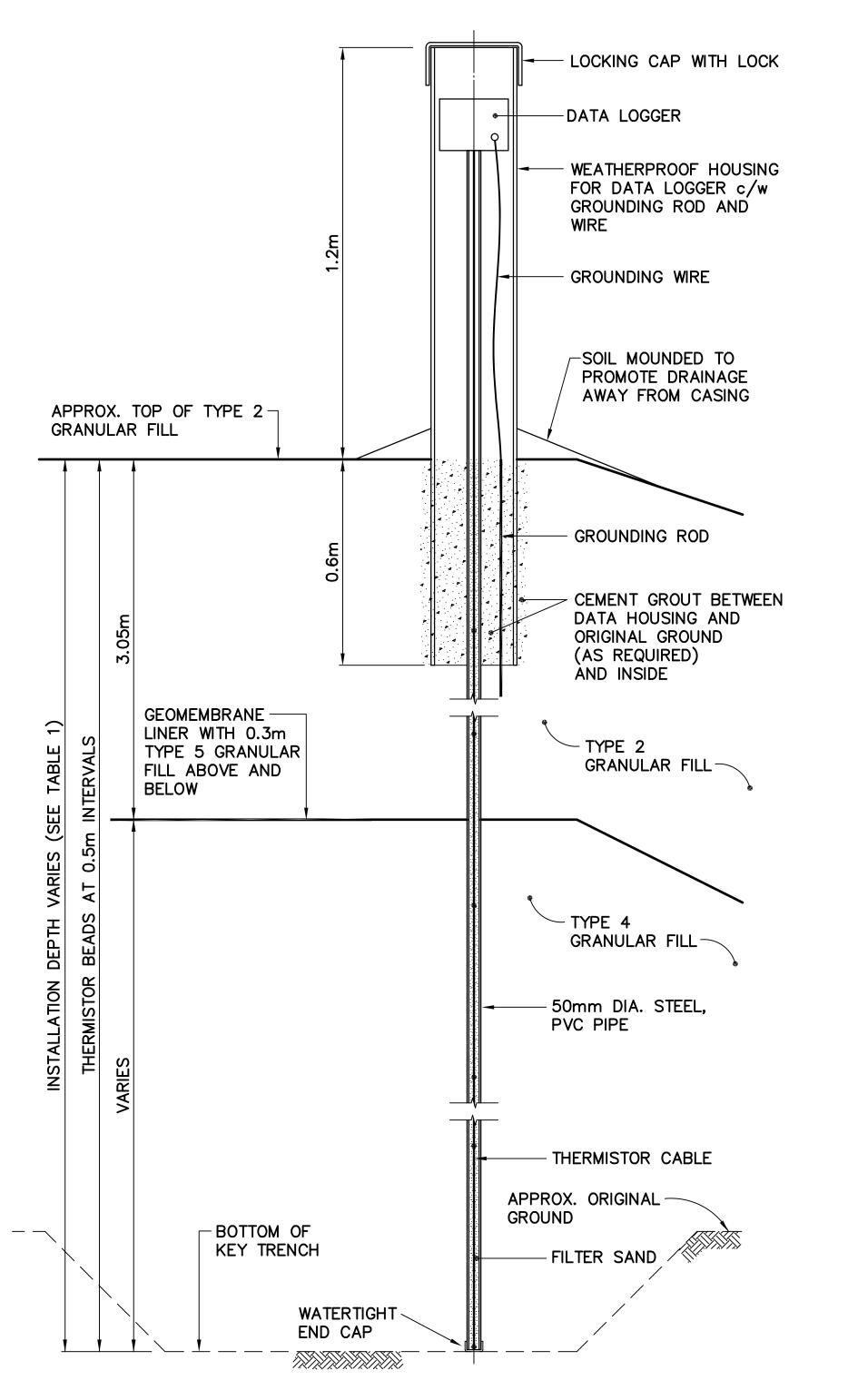
TABLE 2 VERTICAL GROUND TEMPERATURE CABLE INSTALLATION				
INSTRUMENT APPROXIMATE DEPTH BELOW COMMENTS FINAL GRADE (m)				
LOWER SITE - TIEF	RII DISPOSAL FACILI	TY		
VT-BL	8.20	BACKGROUND MONITORING LOCATION UNDISTURBED TUNDRA		
UPPER SITE - TIER II DISPOSAL FACILITY				
VT-BU	8.80	BACKGROUND MONITORING LOCATION UNDISTURBED TUNDRA		

* NOTE:

DEPTH IS BELOW FINAL GRADE OF TYPE 2 GRANULAR FILL PRIOR TO PLACEMENT OF TYPE 1 GRANULAR FILL.



TYPICAL GROUND TEMPERATURE CABLE INSTALLATION - KEY TRENCH SCALE: NTS VT-7



TYPICAL VERTICAL GROUND TEMPERATURE CABLE INSTALLATION - KEY TRENCH SCALE: NTS

VT-1, VT-4, VT-8, VT-9 AND VT-11

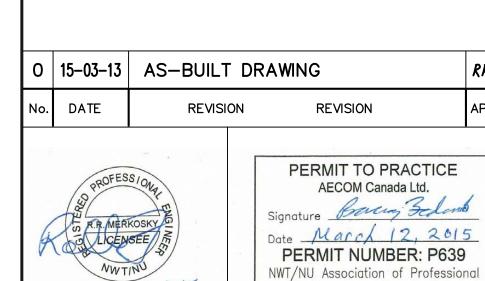
National Défense Defence nationale

Headquarters Quartier général

General Notes:

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

Legend:



Engineers and Geoscientists

EHATCH

AECOM

SCALE - ECHELLE

SUBJECT - SUJET

AS SHOWN PROJECT - PROJET DYE-M CAPE DYER

DEW LINE CLEAN UP

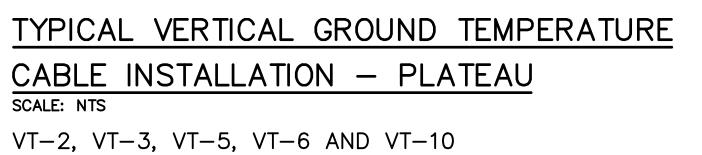
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CANADA 2015, AS REPRESENTED BY THE MINISTER OF NATIONAL DEFENCE. TRADE - METIER 2014-04-23

MISCELLANEOUS DETAILS SHEET 1

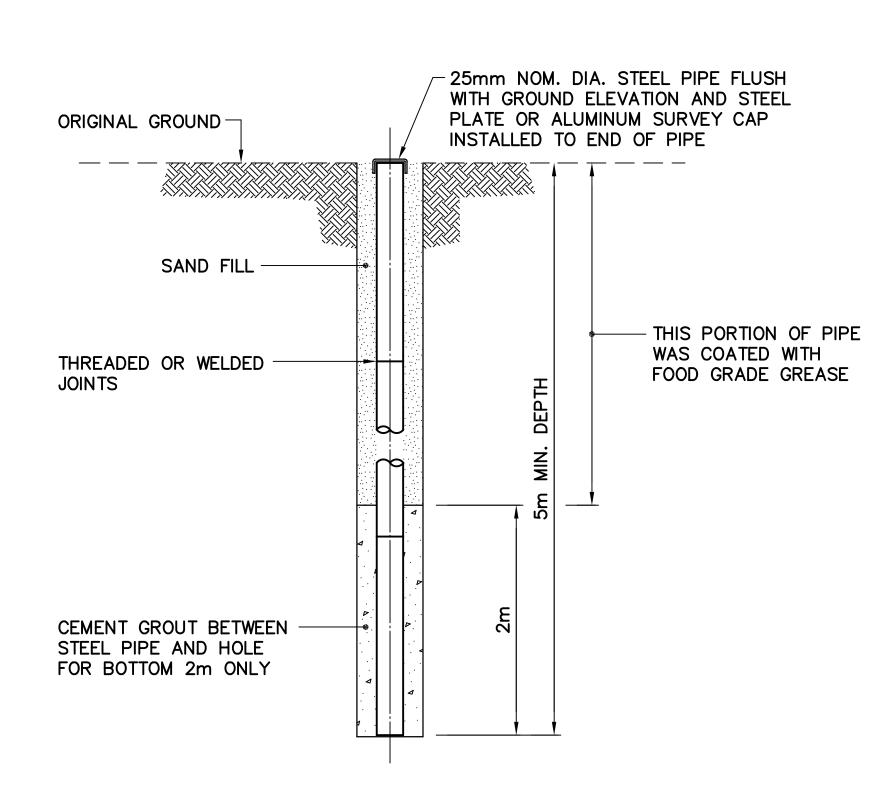
CONCURRENCE - ASSENTIMENT PRODUCTION DES OFF DESIGNED ETUDIE AGENT CONCEPT DRAWN SECT HD DESSINE CHEF SECT CHECKED VERIFIE **BWF** DES MGR GEST CONCEPT COORDINATION REVIEWED - REVU

DWG. NO. - DESSIN NO. H-C75/4-9101-190

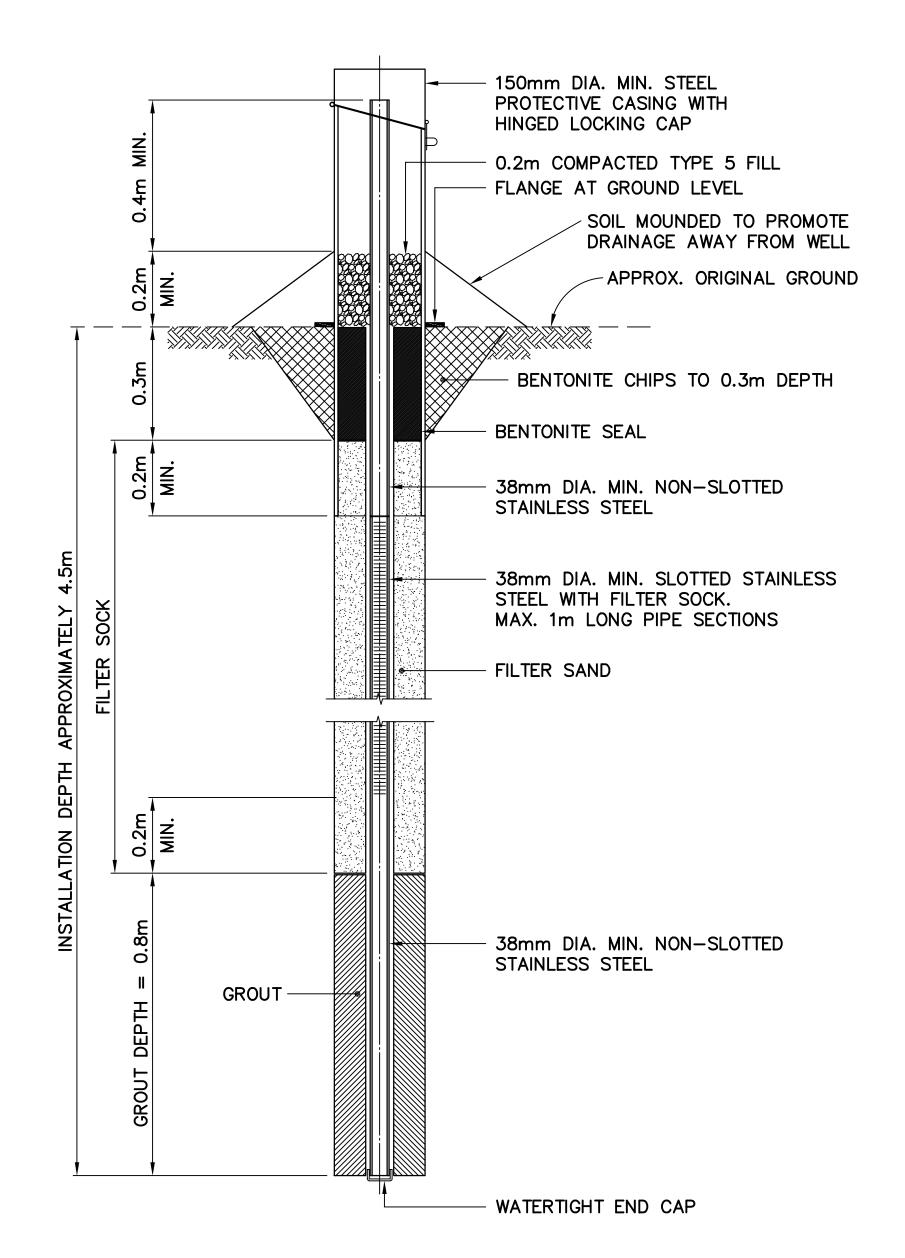


MINIMUM EMBEDMENT WAS REDUCED IF ROCK WAS ENCOUNTERED. INSTALLATION WAS PENETRATED 2m (MIN.) INTO SOUND BEDROCK.

> 11 PERMANENT SURVEY CONTROL MONUMENTS INSTALLED.



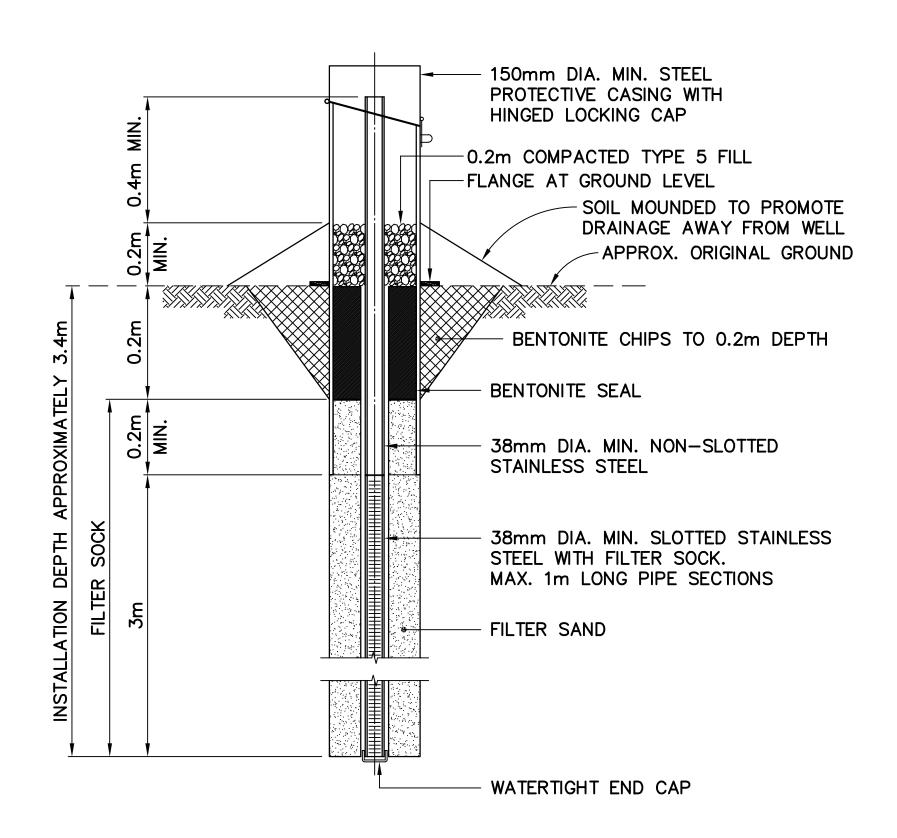
TYPICAL PERMANENT SURVEY CONTROL MONUMENT (BENCHMARK) SCALE: NTS



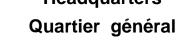
TYPICAL MONITORING WELL/ BACKGROUND MONITORING WELL SCALE: NTS FOR BEDROCK DEPTH > 0.7m

IF SOUND BEDROCK WAS ENCOUNTERED, A 2.5m (MIN.) OF SCREEN AND 0.5m (MIN.) OF EMBEDMENT WAS REQUIRED INTO SOUND BEDROCK.

22 MONITORING WELLS REMAINING. 16 MONITORING WELLS REMOVED.



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



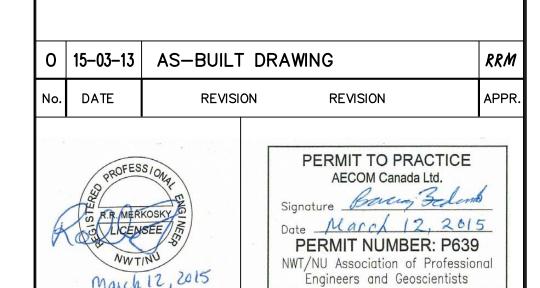
Headquarters

National Défense Defence nationale

General Notes:

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

Legend:



AECOM

EHATCH

DATE 2014-04-23

SCALE - ECHELLE AS SHOWN PROJECT - PROJET

DEW LINE CLEAN UP

DYE-M CAPE DYER

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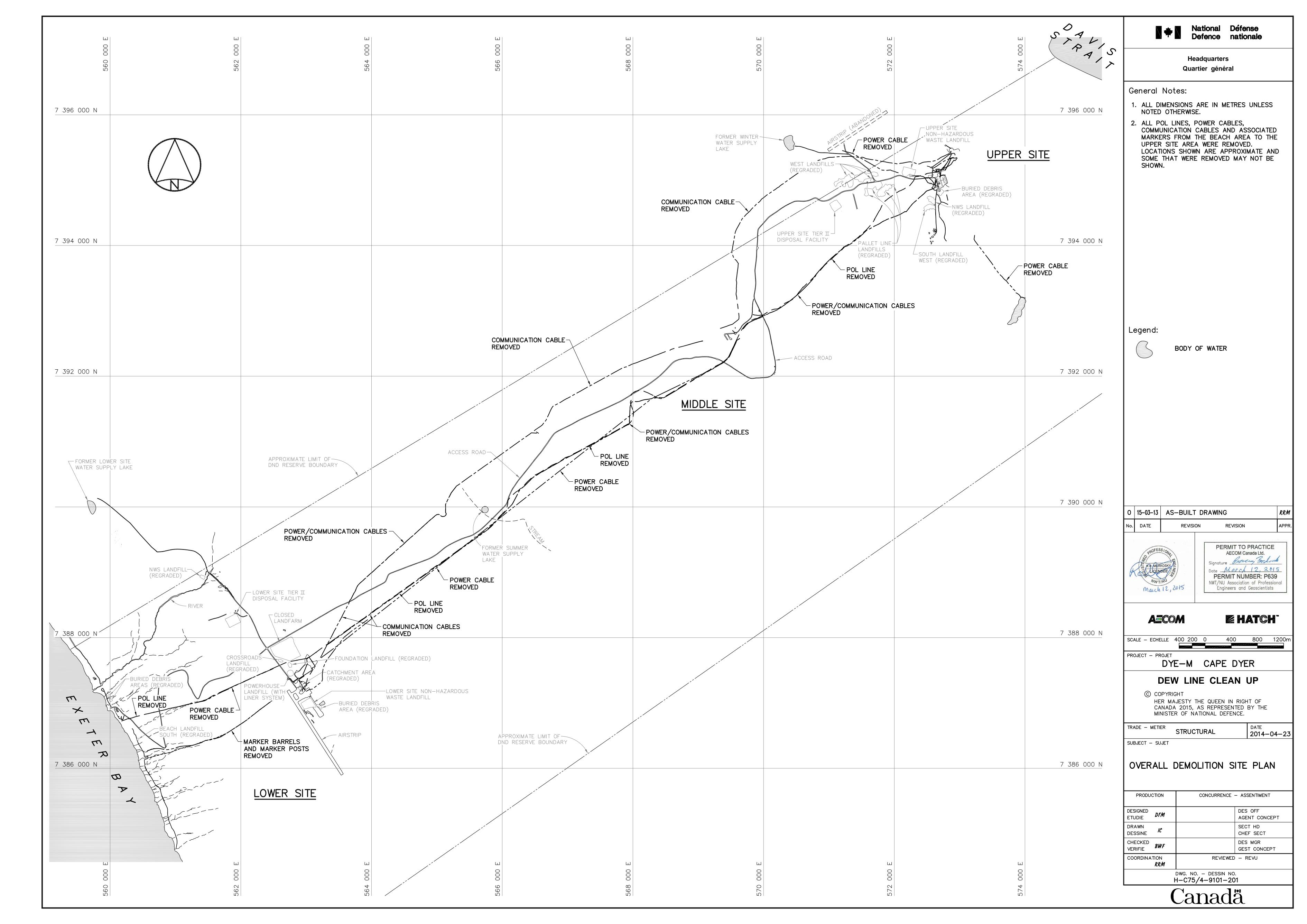
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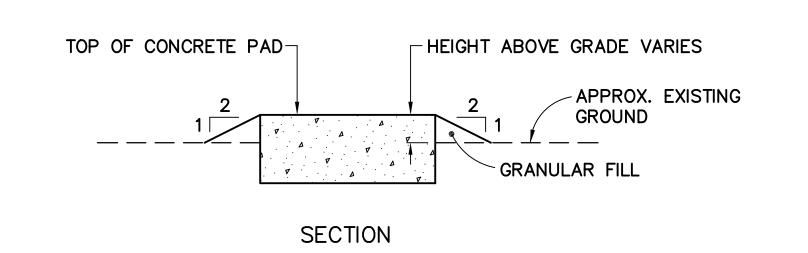
TRADE - METIER SUBJECT - SUJET

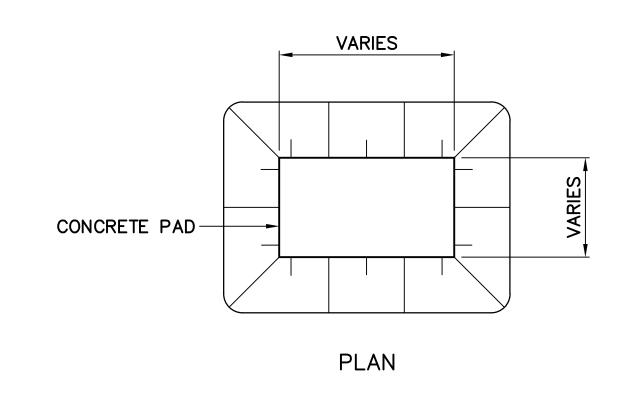
MISCELLANEOUS DETAILS SHEET 2

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

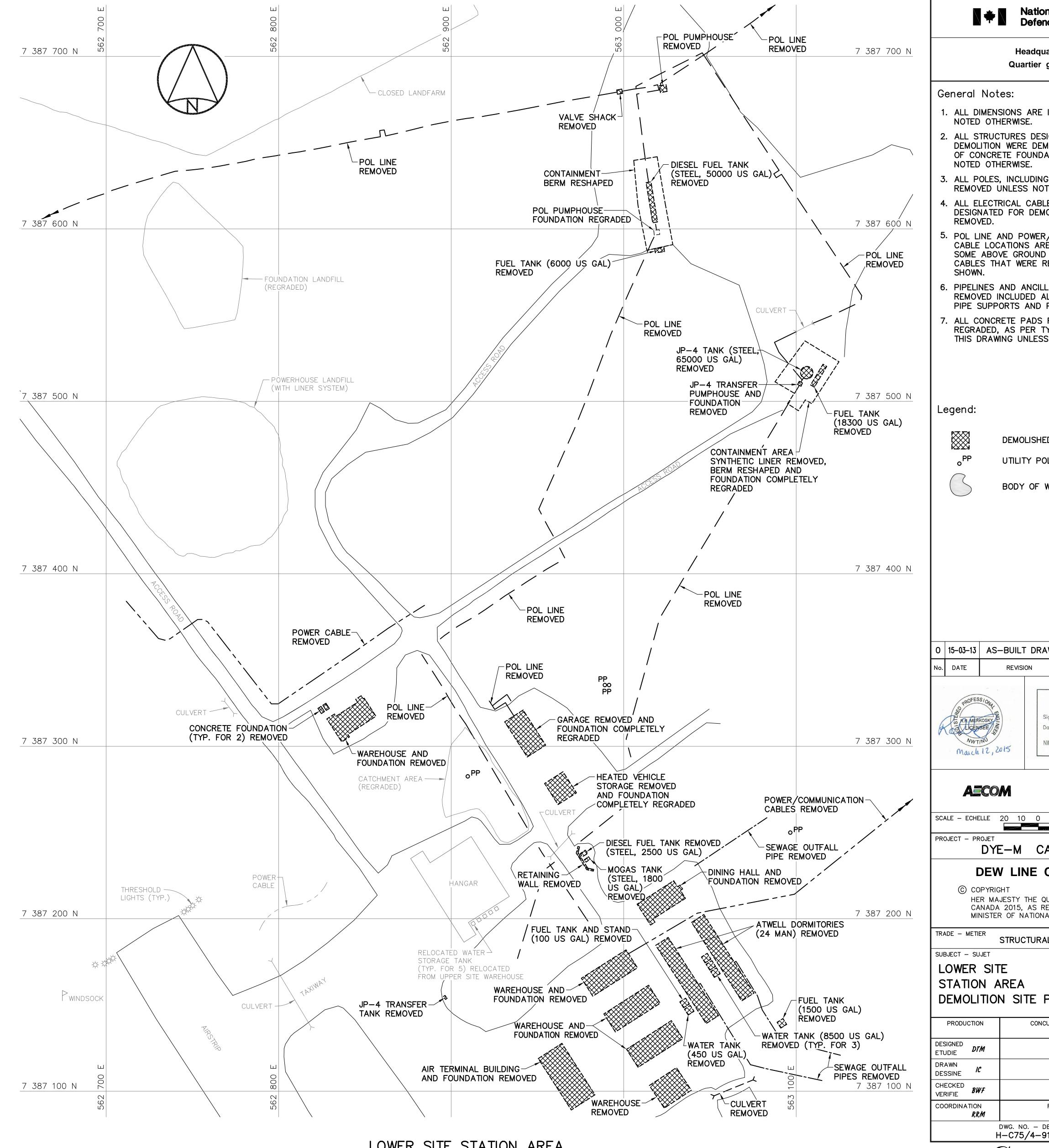
DWG. NO. - DESSIN NO. H-C75/4-9101-191







TYPICAL CONCRETE PAD REGRADING DETAIL SCALE: NTS



Headquarters Quartier général

General Notes:

- 1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- 2. ALL STRUCTURES DESIGNATED FOR DEMOLITION WERE DEMOLISHED TO TOP OF CONCRETE FOUNDATIONS UNLESS NOTED OTHERWISE.
- 3. ALL POLES, INCLUDING GUY WIRES, WERE REMOVED UNLESS NOTED OTHERWISE.
- 4. ALL ELECTRICAL CABLES AND POL LINES DESIGNATED FOR DEMOLITION WERE
- 5. POL LINE AND POWER/COMMUNICATION CABLE LOCATIONS ARE APPROXIMATE ONLY. SOME ABOVE GROUND POL LINES AND CABLES THAT WERE REMOVED MAY NOT BE
- 6. PIPELINES AND ANCILLARY EQUIPMENT REMOVED INCLUDED ALL ASSOCIATED PIPE SUPPORTS AND PIPELINE MARKERS.
- 7. ALL CONCRETE PADS REMAINING WERE REGRADED, AS PER TYPICAL DETAIL, ON THIS DRAWING UNLESS NOTED OTHERWISE.

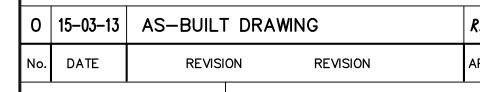
Legend:

DEMOLISHED

UTILITY POLE REMOVED



BODY OF WATER





PERMIT TO PRACTICE AECOM Canada Ltd. Signature Barry Bedom Date March 12, 2015 PERMIT NUMBER: P639 NWT/NU Association of Professional Engineers and Geoscientists

EHATCH

2014-04-23

AECOM

DYE-M CAPE DYER

DEW LINE CLEAN UP

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TRADE - METIER STRUCTURAL

LOWER SITE

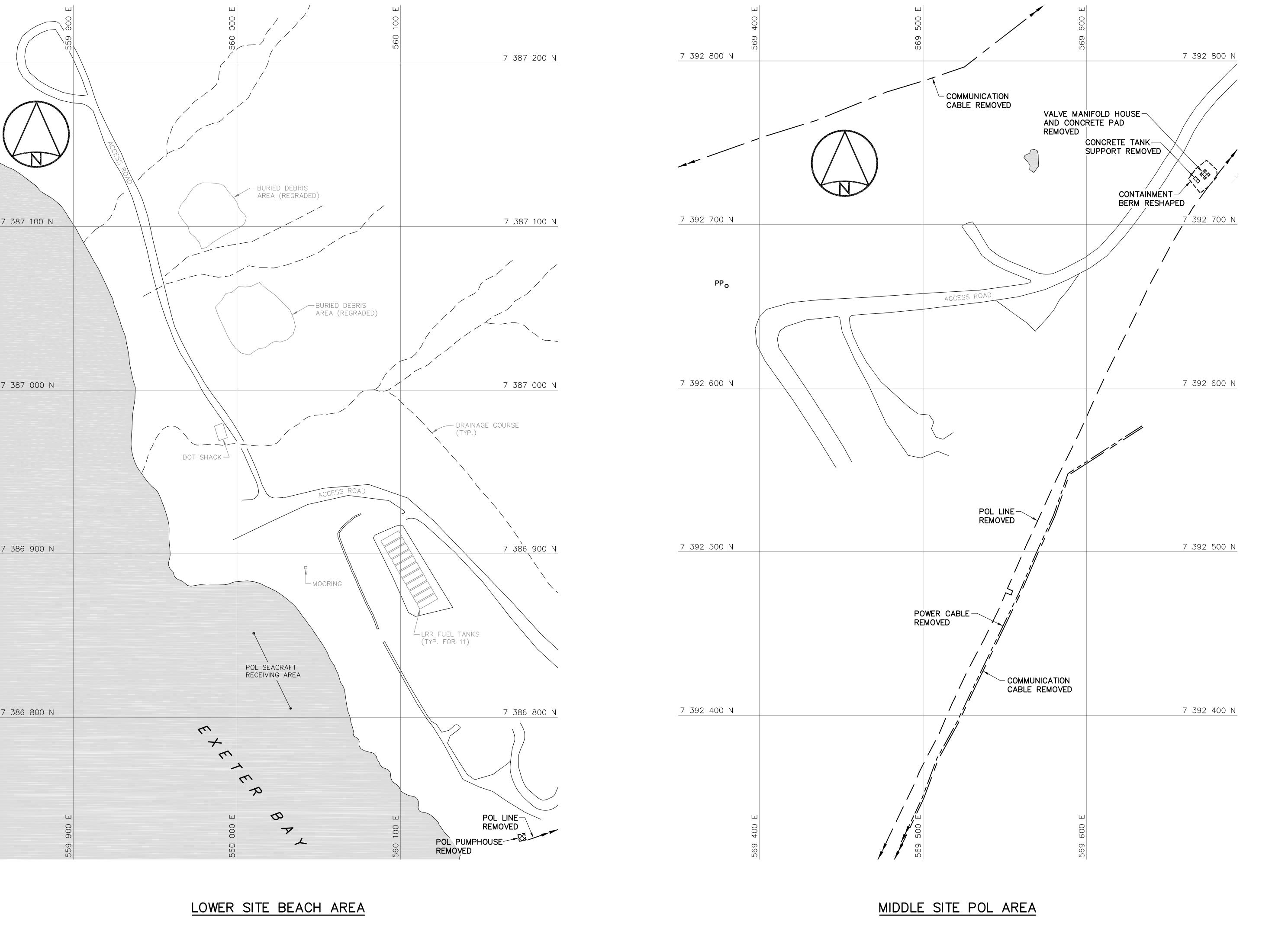
STATION AREA DEMOLITION SITE PLAN

DESIGNED DES OFF ETUDIE AGENT CONCEPT DRAWN SECT HD DESSINE CHEF SECT CHECKED VERIFIE **BWF** DES MGR GEST CONCEPT COORDINATION *RRM* REVIEWED — REVU

CONCURRENCE - ASSENTIMENT

DWG. NO. - DESSIN NO. H-C75/4-9101-202 Canadä

LOWER SITE STATION AREA



Headquarters Quartier général

General Notes:

REMOVED.

- 1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- 2. ALL STRUCTURES DESIGNATED FOR DEMOLITION WERE DEMOLISHED TO TOP OF CONCRETE FOUNDATIONS UNLESS NOTED OTHERWISE.
- 3. ALL POLES, INCLUDING GUY WIRES, WERE REMOVED UNLESS NOTED OTHERWISE.
- 4. ALL ELECTRICAL CABLES AND POL LINES DESIGNATED FOR DEMOLITION WERE
- 5. POL LINE AND POWER/COMMUNICATION CABLE LOCATIONS ARE APPROXIMATE ONLY. SOME ABOVE GROUND POL LINES AND CABLES THAT WERE REMOVED MAY NOT BE
- 6. PIPELINES AND ANCILLARY EQUIPMENT REMOVED INCLUDED ALL ASSOCIATED PIPE SUPPORTS AND PIPELINE MARKERS.
- 7. ALL CONCRETE PADS REMAINING WERE REGRADED, AS PER TYPICAL DETAIL, SEE DWG. H-C75/4-9101-202.
- 8. ALL LONG RANGE RADAR (LRR) FACILITIES WERE OPERATIONAL, THESE INCLUDE ALL BUILDINGS, STRUCTURES, ELECTRICAL POWER CABLES, FUEL STORAGE TANKS AND PIPELINES NOT SCHEDULED FOR DEMOLITION.

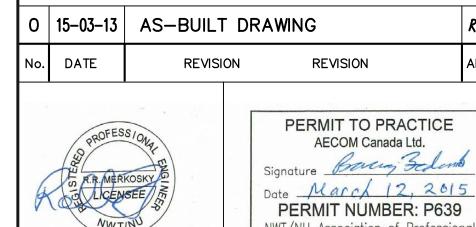
Legend:

DEMOLISHED

UTILITY POLE REMOVED



BODY OF WATER



AECOM

EHATCH

DATE 2014-04-23

Engineers and Geoscientists

SCALE - ECHELLE 20 10 0 PROJECT - PROJET

DYE-M CAPE DYER

DEW LINE CLEAN UP

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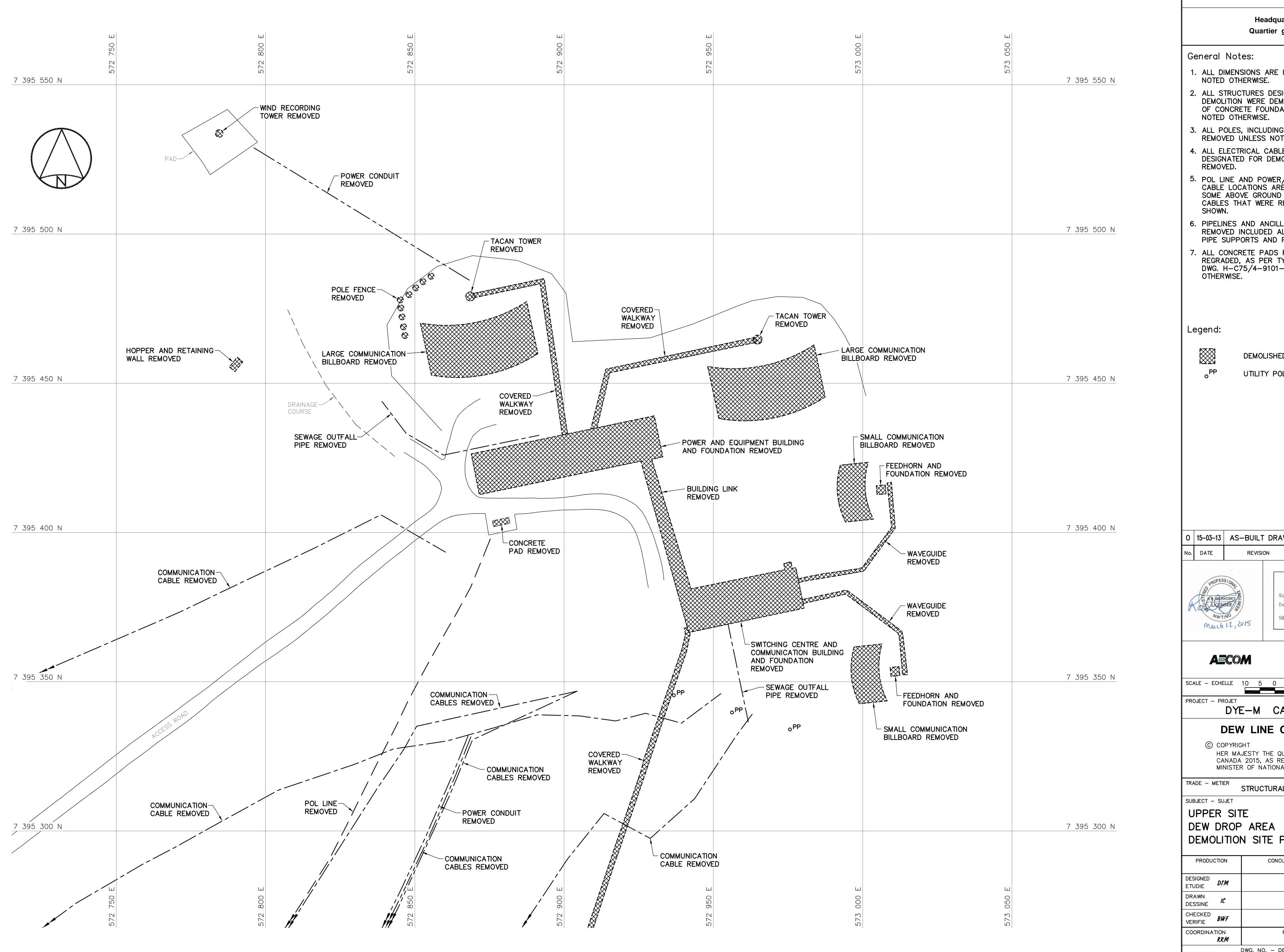
TRADE - METIER STRUCTURAL

SUBJECT - SUJET

LOWER SITE BEACH AND MIDDLE SITE POL AREAS DEMOLITION SITE PLANS

PRODUCTION		CONCURRENCE ·	- ASSENTIMENT
DESIGNED ETUDIE	DTM		DES OFF AGENT CONCEPT
DRAWN DESSINE	IC		SECT HD CHEF SECT
CHECKED VERIFIE	<i>BWF</i>		DES MGR GEST CONCEPT
COORDINA	TION <i>RRM</i>	REVIEWED	- REVU

DWG. NO. - DESSIN NO. H-C75/4-9101-203





Headquarters Quartier général

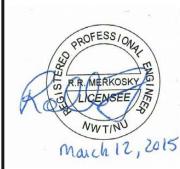
General Notes:

- 1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- 2. ALL STRUCTURES DESIGNATED FOR DEMOLITION WERE DEMOLISHED TO TOP OF CONCRETE FOUNDATIONS UNLESS NOTED OTHERWISE.
- 3. ALL POLES, INCLUDING GUY WIRES, WERE REMOVED UNLESS NOTED OTHERWISE.
- 4. ALL ELECTRICAL CABLES AND POL LINES DESIGNATED FOR DEMOLITION WERE REMOVED.
- 5. POL LINE AND POWER/COMMUNICATION CABLE LOCATIONS ARÉ APPROXIMATE ONLY. SOME ABOVE GROUND POL LINES AND CABLES THAT WERE REMOVED MAY NOT BE
- 6. PIPELINES AND ANCILLARY EQUIPMENT REMOVED INCLUDED ALL ASSOCIATED PIPE SUPPORTS AND PIPELINE MARKERS.
- 7. ALL CONCRETE PADS REMAINING WERE REGRADED, AS PER TYPICAL DETAIL, SEE DWG. H-C75/4-9101-202 UNLESS NOTED OTHERWISE.

DEMOLISHED

UTILITY POLE REMOVED

0 15-03-13 AS-BUILT DRAWING REVISION DATE REVISION



PERMIT TO PRACTICE AECOM Canada Ltd. Signature Barry Bedont Date March 12, 2015 PERMIT NUMBER: P639 NWT/NU Association of Professional Engineers and Geoscientists

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EHATCH

2014-04-23

DYE-M CAPE DYER

DEW LINE CLEAN UP

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STRUCTURAL

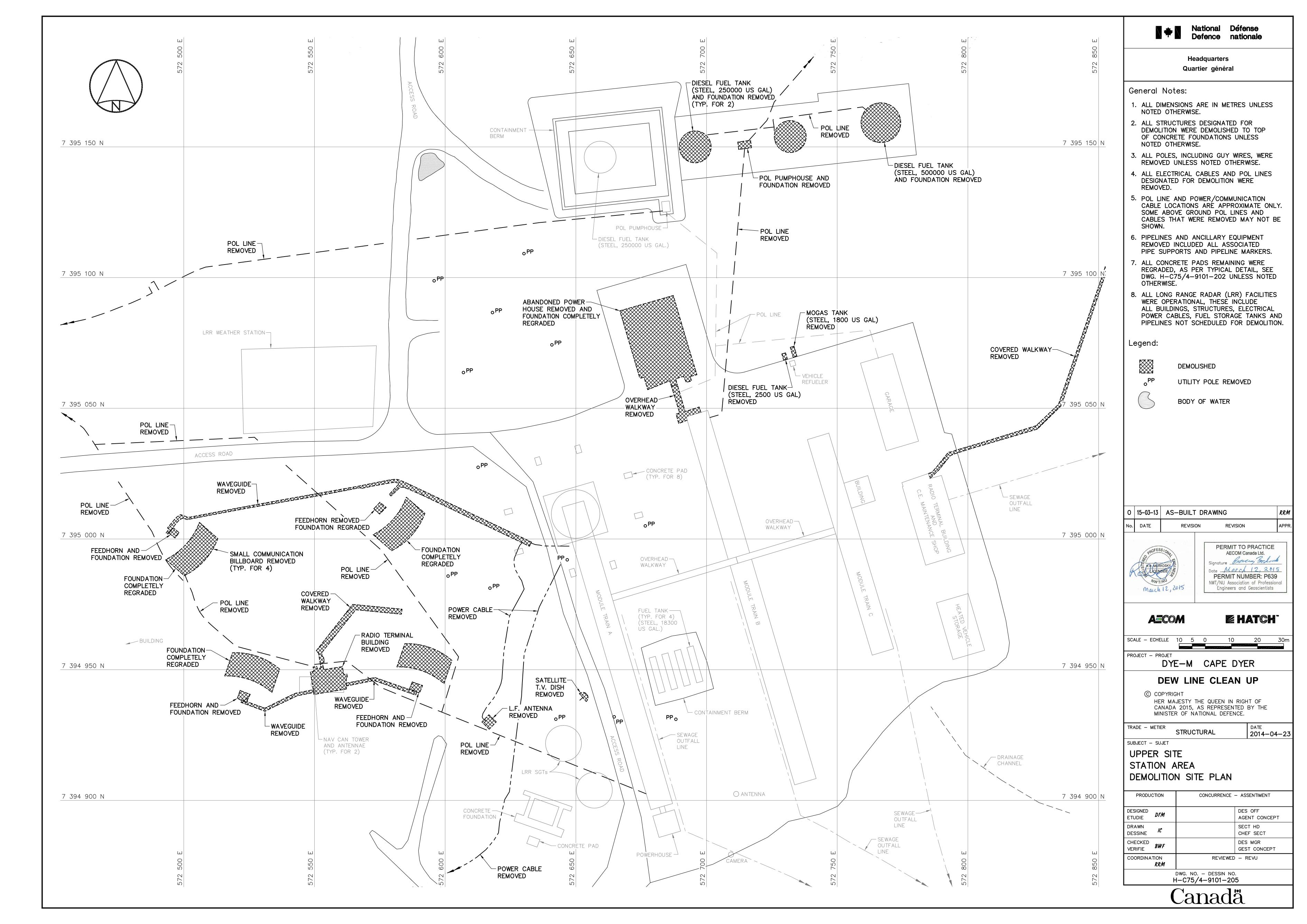
MINISTER OF NATIONAL DEFENCE.

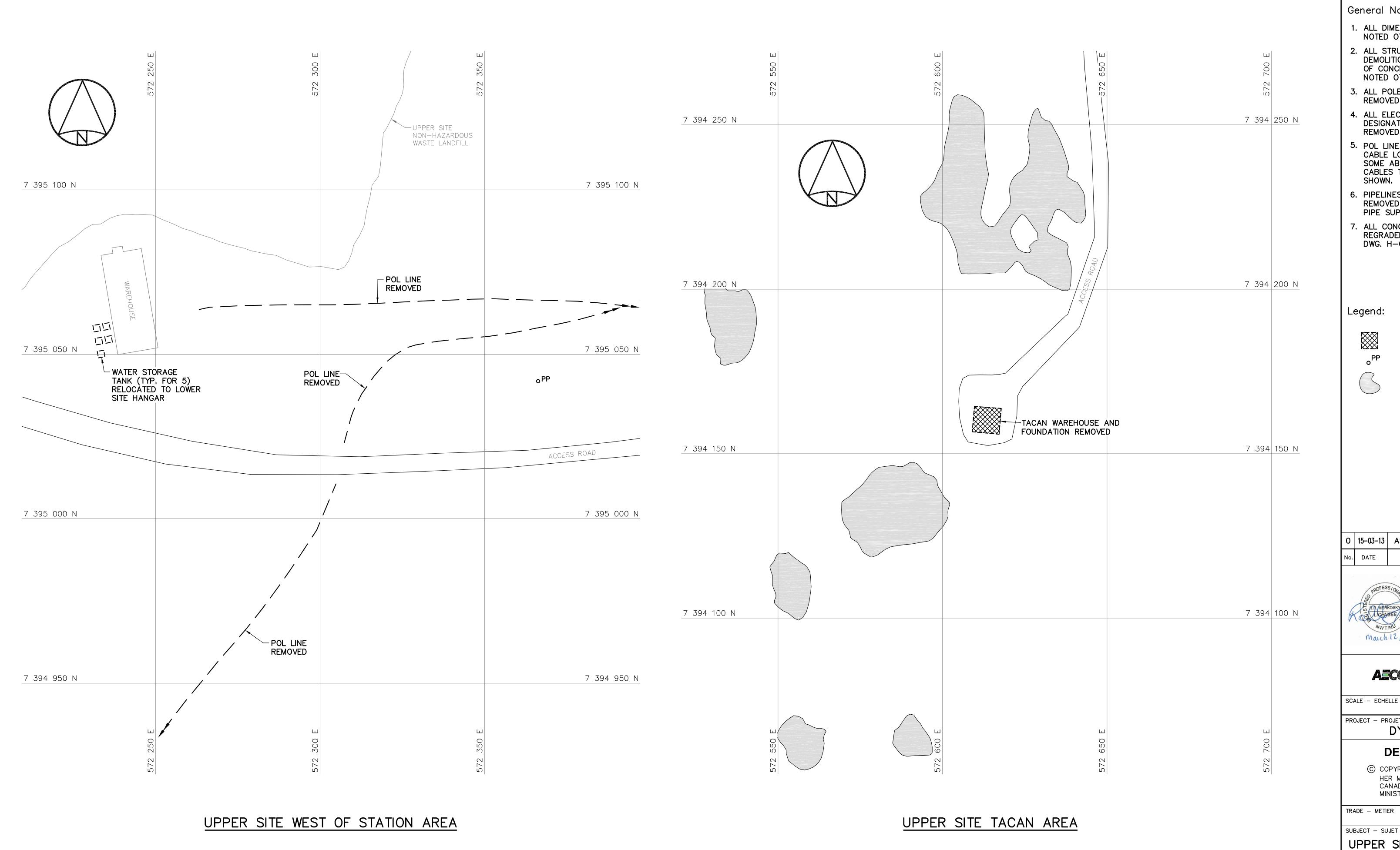
UPPER SITE

DEW DROP AREA DEMOLITION SITE PLAN

CONCURRENCE - ASSENTIMENT PRODUCTION DES OFF AGENT CONCEPT SECT HD CHEF SECT CHECKED BWF DES MGR GEST CONCEPT COORDINATION REVIEWED - REVU

DWG. NO. - DESSIN NO. H-C75/4-9101-204





Headquarters Quartier général

General Notes:

- 1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- 2. ALL STRUCTURES DESIGNATED FOR DEMOLITION WERE DEMOLISHED TO TOP OF CONCRETE FOUNDATIONS UNLESS NOTED OTHERWISE.
- 3. ALL POLES, INCLUDING GUY WIRES, WERE REMOVED UNLESS NOTED OTHERWISE.
- 4. ALL ELECTRICAL CABLES AND POL LINES DESIGNATED FOR DEMOLITION WERE REMOVED.
- 5. POL LINE AND POWER/COMMUNICATION CABLE LOCATIONS ARE APPROXIMATE ONLY. SOME ABOVE GROUND POL LINES AND CABLES THAT WERE REMOVED MAY NOT BE
- 6. PIPELINES AND ANCILLARY EQUIPMENT REMOVED INCLUDED ALL ASSOCIATED PIPE SUPPORTS AND PIPELINE MARKERS.
- 7. ALL CONCRETE PADS REMAINING WERE REGRADED, AS PER TYPICAL DETAIL, SEE DWG. H-C75/4-9101-202.

Legend:

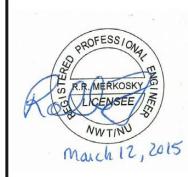
DEMOLISHED

UTILITY POLE REMOVED



BODY OF WATER

0	15-03-13	AS-BUILT DRAWING		
No.	DATE	REVISION	REVISION	API
	PROFES	SIONAL	PERMIT TO PRACTIC AECOM Canada Ltd.	E



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SCALE - ECHELLE 10 5 0

PROJECT - PROJET DYE-M CAPE DYER

DEW LINE CLEAN UP

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SUBJECT — SUJET

DATE 2014-04-23 STRUCTURAL

UPPER SITE WEST OF STATION AND TACAN AREAS

DEMOLITION SITE PLANS

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

DWG. NO. - DESSIN NO. H-C75/4-9101-206