

Défense nationale.

DEW LINE CLEAN UP PROJECT

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|------------------|---|------------------|--|------------------|--|--|--|
| DRAWING No. | TITLE | DRAWING No. | TITLE | DRAWING No. | TITLE | | |
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| H-C75/4-9101-109 | LOWER SITE STATION AREA SITE PLAN | H-C75/4-9101-161 | UPPER SITE DEW DROP AREA SITE PLAN | STRUCTURAL | | | |
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| H-C75/4-9101-113 | LOWER SITE POWERHOUSE LANDFILL KEY TRENCH EXCAVATION PLAN & GRADING/INSTRUMENTATION PLAN | H-C75/4-9101-165 | UPPER SITE WEST OF STATION AREA SITE PLAN SHEET 1 | H-C75/4-9101-204 | UPPER SITE DEW DROP AREA DEMOLITION SITE PLAN | | |
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NOTE:

REVISED BASED ON INFORMATION
SUPPLIED BY DEFENCE CONSTRUCTION
CANADA IN 2005 THROUGH 2009 AND
2010 THROUGH 2013.

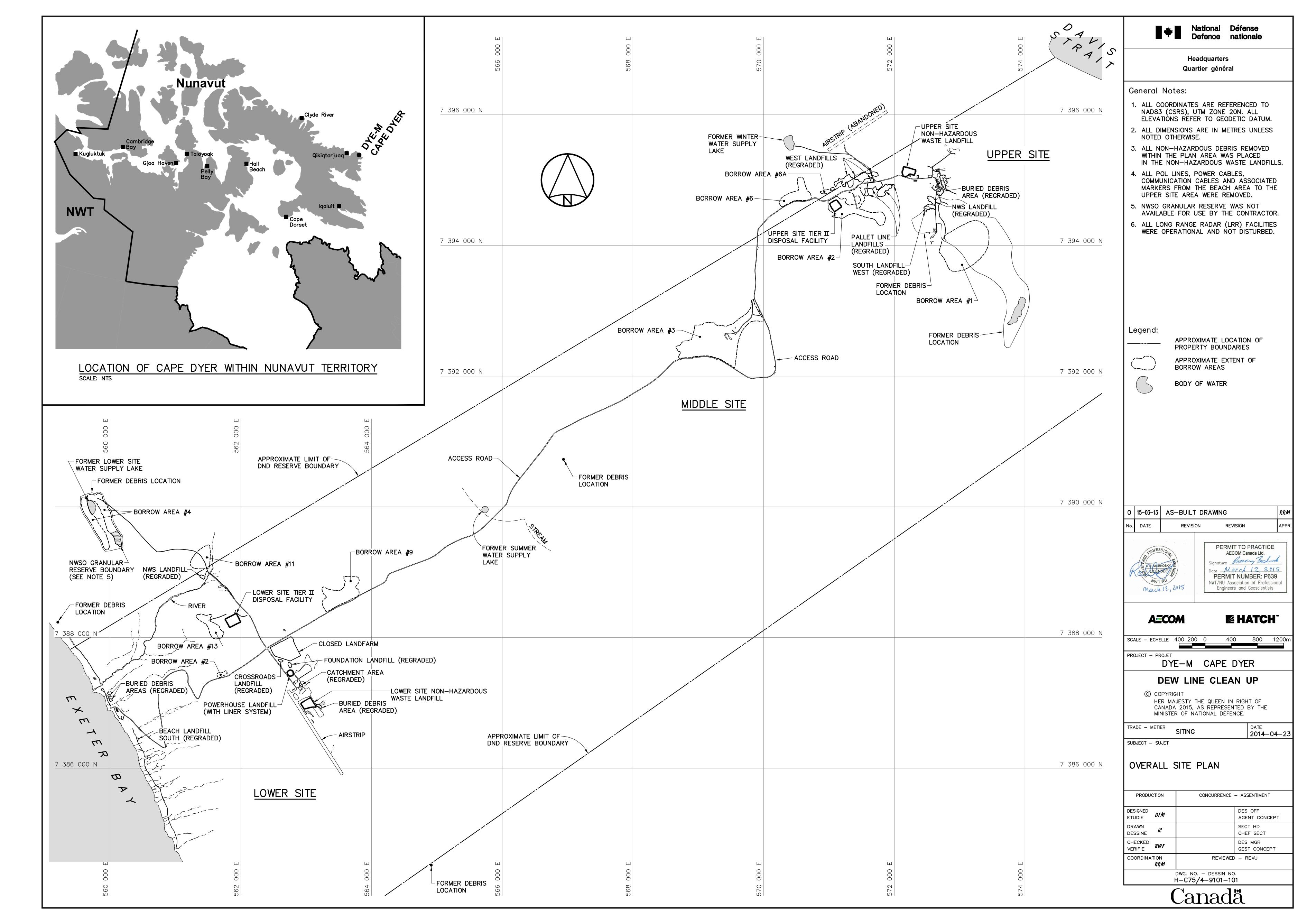


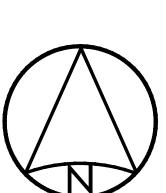
DYE-M CAPE DYER AS-BUILT DRAWINGS

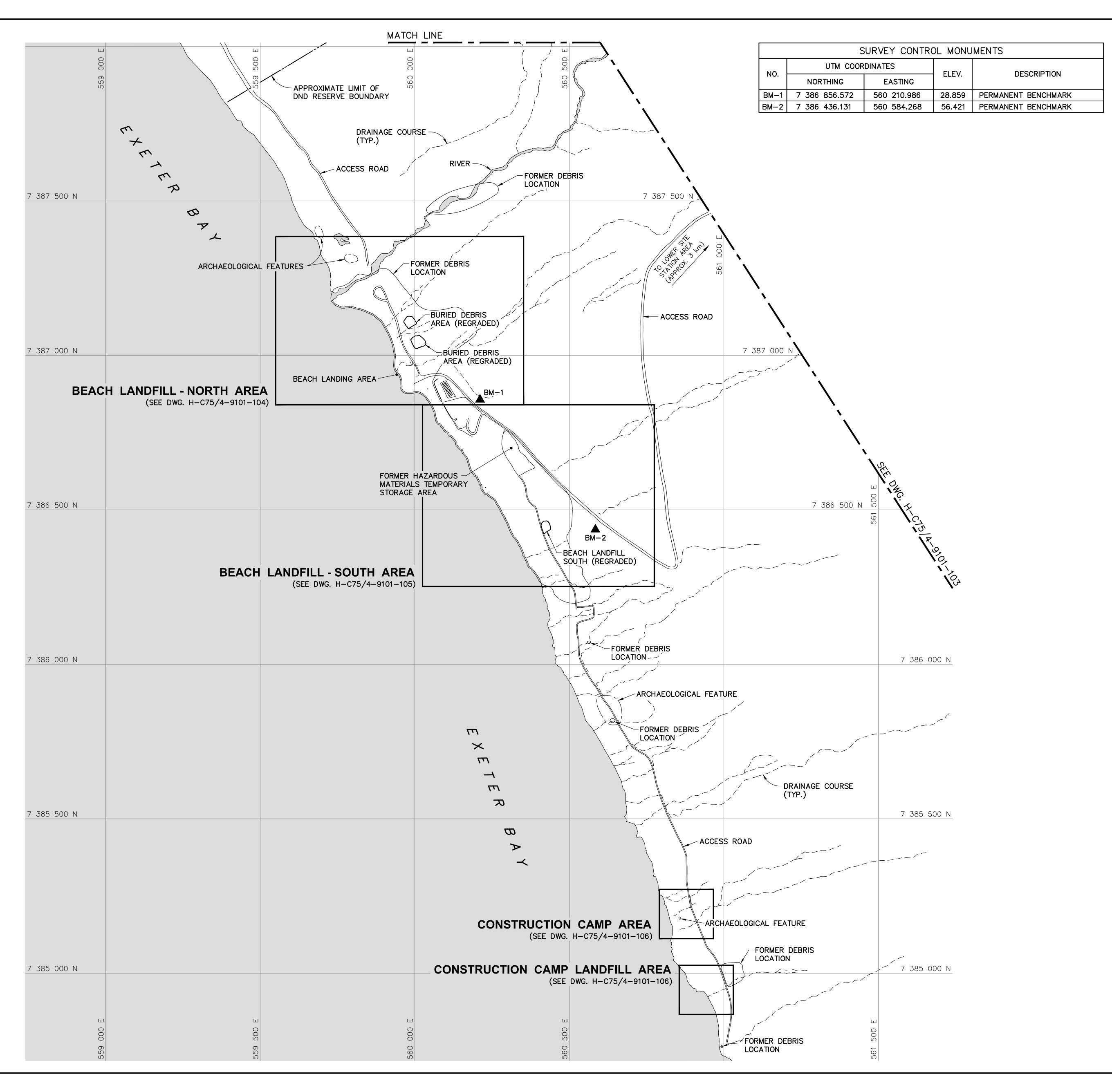
AECOM



MARCH, 2015









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. 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.

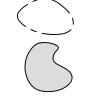
Legend:

▲BM−1

PERMANENT BENCHMARK LOCATION (2)

ARCHAEOLOGICAL FEATURES

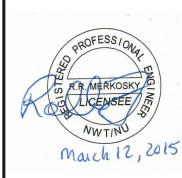
APPROXIMATE LOCATION OF PROPERTY BOUNDARY



BODY OF WATER

O 15-03-13 AS-BUILT DRAWING R

No. DATE REVISION REVISION AF



AECOM Canada Ltd.

Signature Boung Selemble

Date March 12, 2015

PERMIT NUMBER: P639

NWT/NU Association of Profession
Engineers and Geoscientists

PERMIT TO PRACTICE

AECOM

SCALE - ECHELLE 100 50 0

■ 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

BEACH AREA PROJECT LAYOUT

DESIGNED DTM

DESIGNED DTM

ETUDIE

DRAWN
DESSINE

CHECKED BWF

COORDINATION

RRM

CONCURRENCE — ASSENTIMENT

DES OFF
AGENT CONCEPT

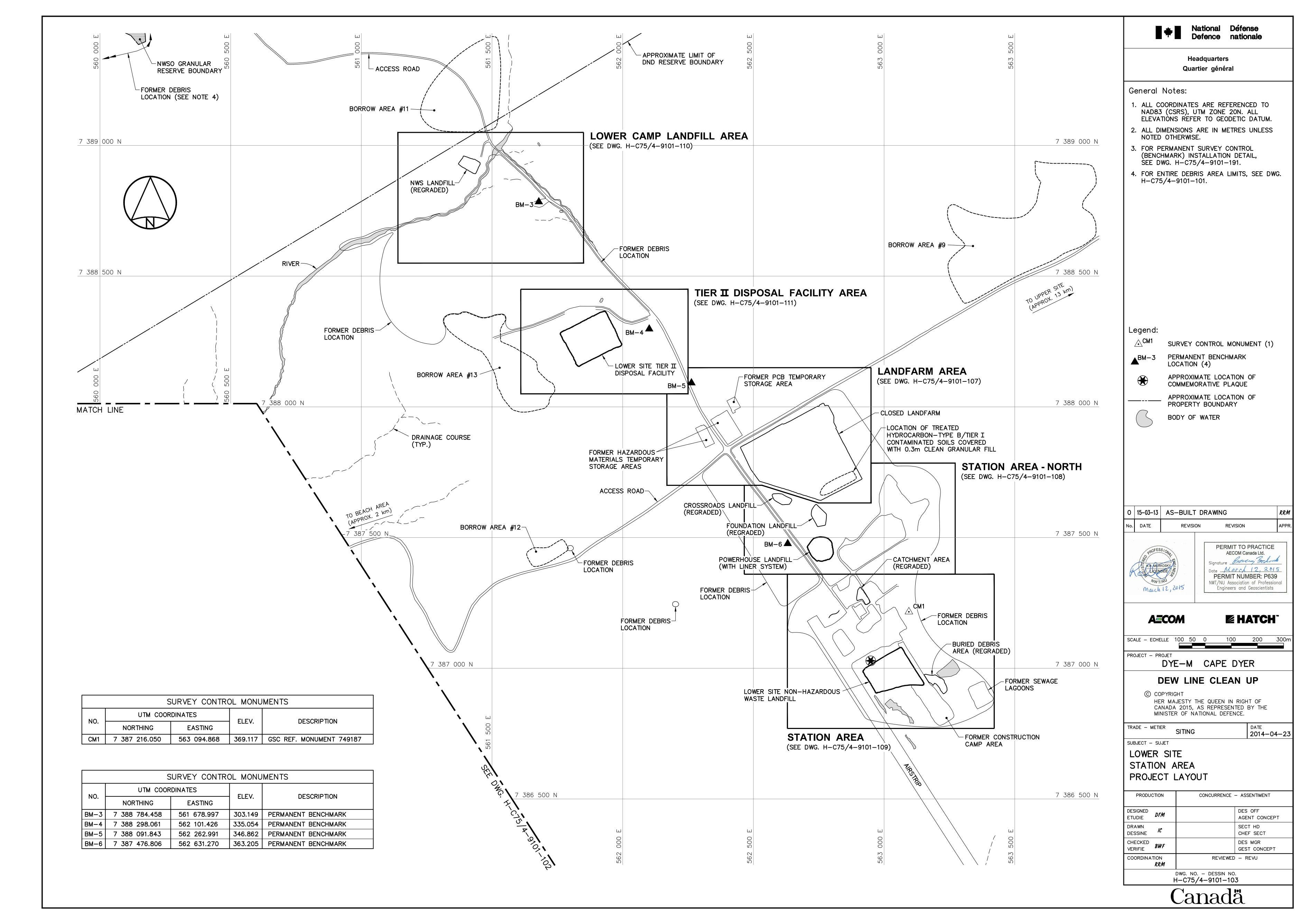
SECT HD
CHEF SECT

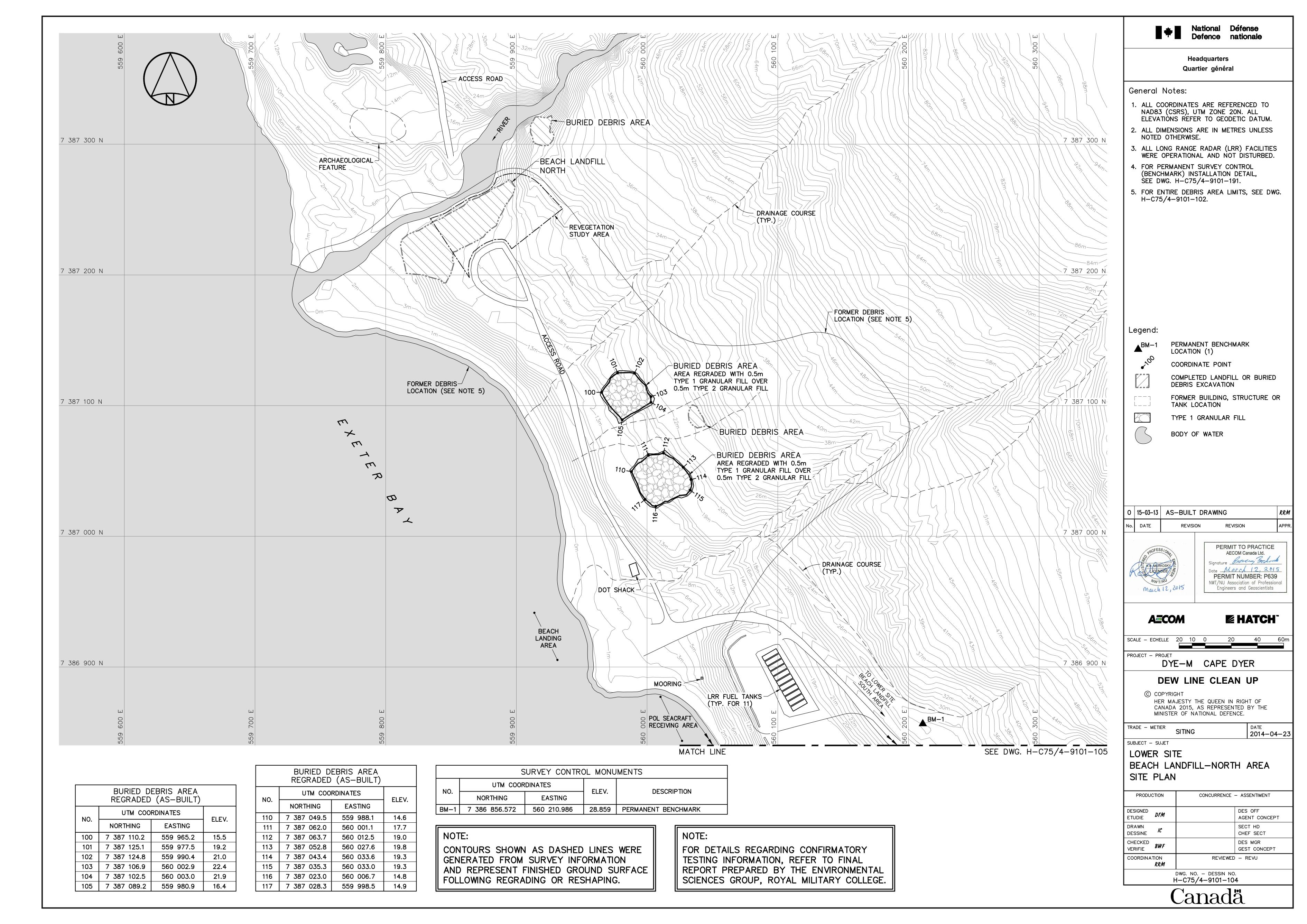
DES MGR
GEST CONCEPT

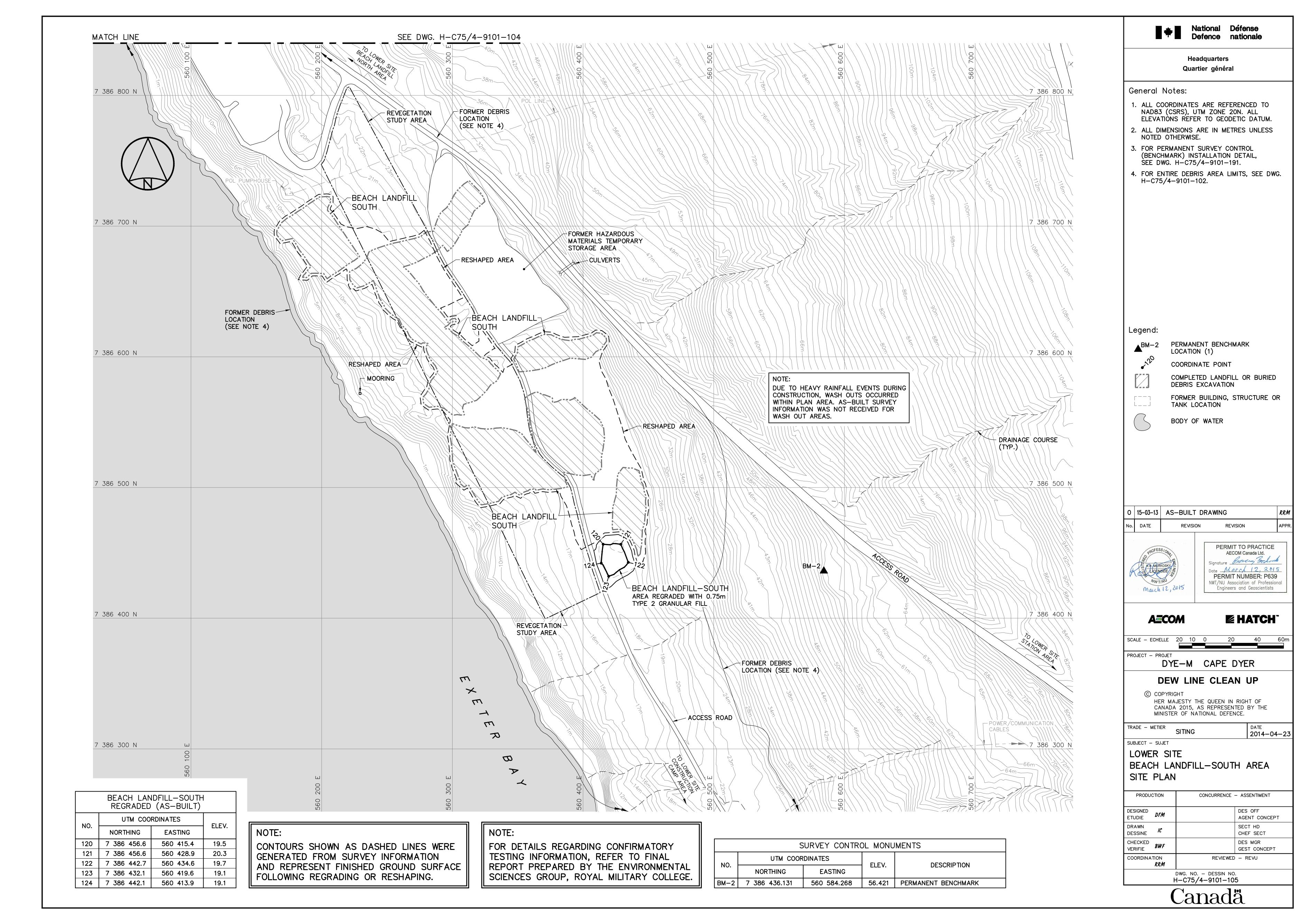
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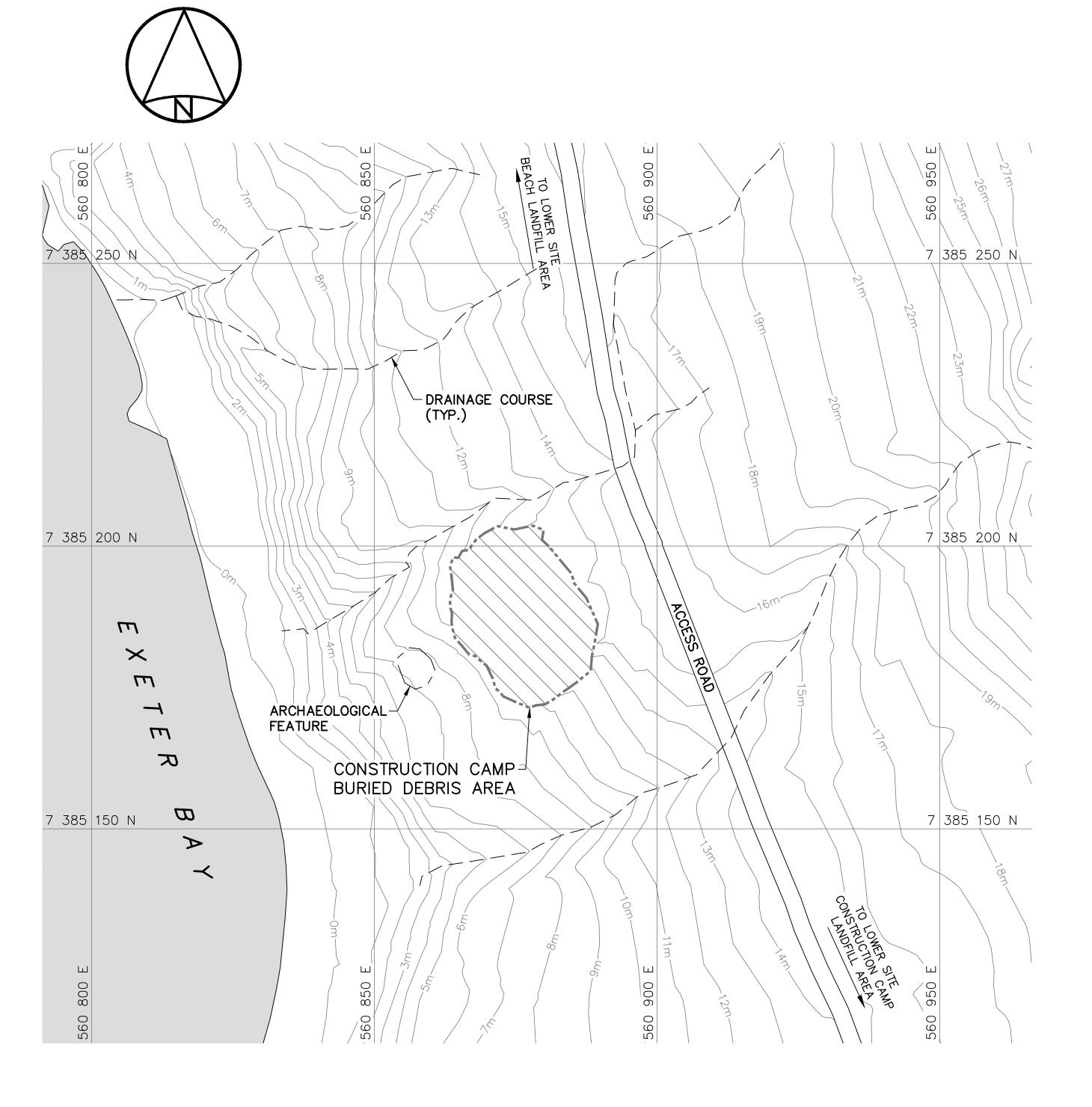
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DWG. NO. - DESSIN NO. H-C75/4-9101-102



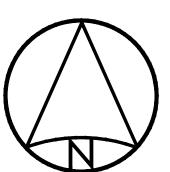


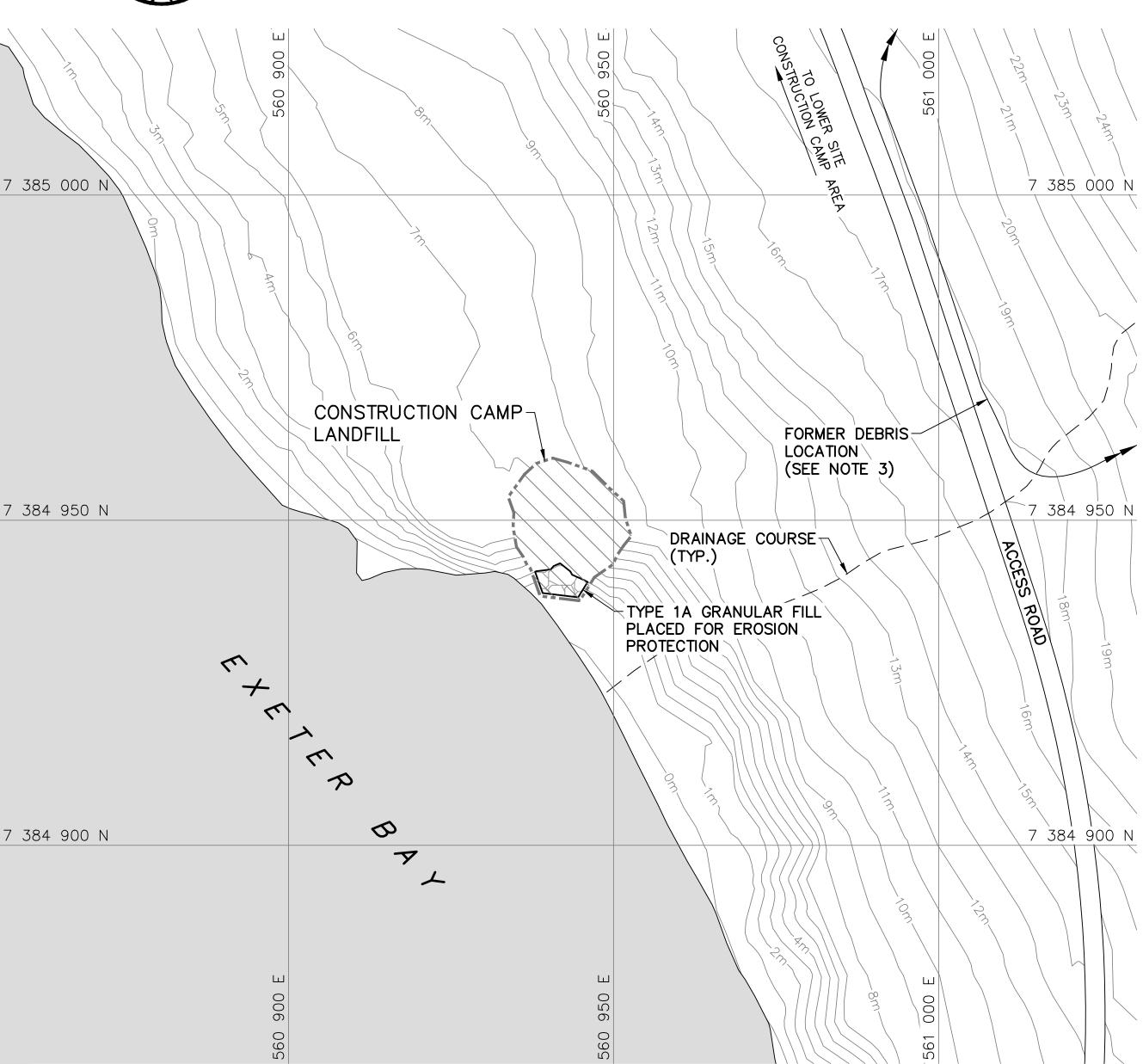






CONTOURS SHOWN AS DASHED LINES WERE GENERATED FROM SURVEY INFORMATION AND REPRESENT FINISHED GROUND SURFACE FOLLOWING REGRADING OR RESHAPING.





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.



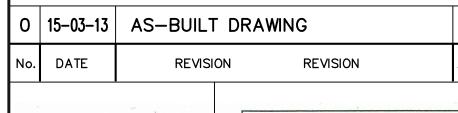
[7]

COMPLETED LANDFILL OR BURIED DEBRIS EXCAVATION



BODY OF WATER

TYPE 1A GRANULAR FILL





PERMIT TO PRACTICE
AECOM Canada Ltd.

Signature Back, Beland

Date March 12, 2015

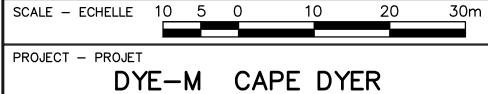
PERMIT NUMBER: P639

NWT/NU Association of Professional Engineers and Geoscientists

AECOM

EHATCH

DATE 2014-04-23



DEW LINE CLEAN UP

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TRADE - METIER SITING

SUBJECT - SUJET

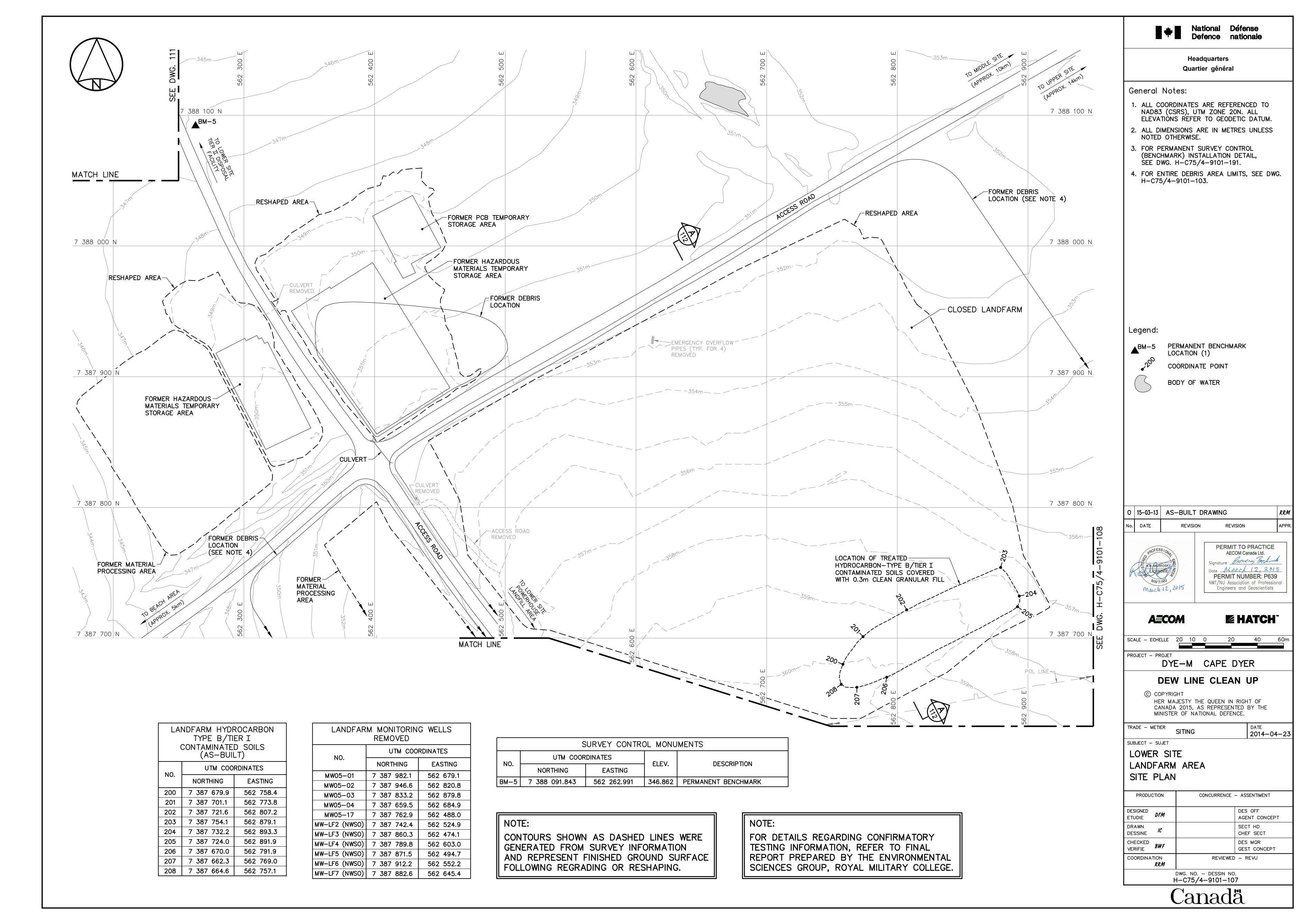
LOWER SITE

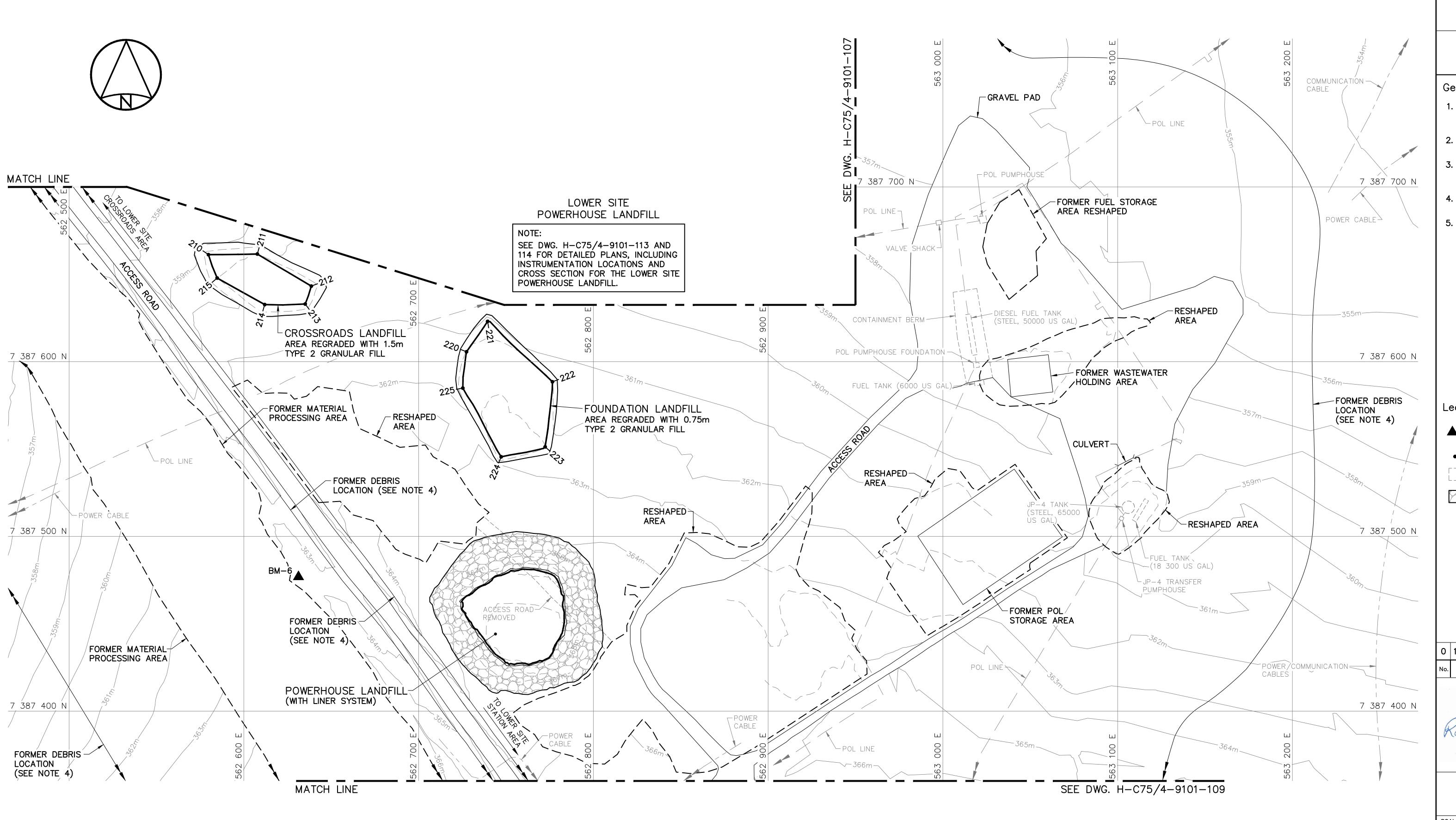
CONSTRUCTION CAMP & CONSTRUCTION

CAMP LANDFILL AREAS SITE PLAN

| PRODU | CTION | 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-C75/4-9101-106





| | SURVEY CONTROL MONUMENTS | | | | | | |
|------|--------------------------|-------------|---------|---------------------|--|--|--|
| NO. | UTM COORDINATES | | | DECODIDATION | | | |
| INO. | NORTHING | EASTING | ELEV. | DESCRIPTION | | | |
| BM-6 | 7 387 476.806 | 562 631.270 | 363.205 | PERMANENT BENCHMARK | | | |

| CROSSROADS LANDFILL REGRADED (AS-BUILT) | | | | | | |
|---|-------------|-----------|-------|--|--|--|
| NO. UTM COORDINATES | | | | | | |
| NO. | NORTHING | EASTING | ELEV. | | | |
| 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 | | | |

| FOUNDATION LANDFILL REGRADED (AS-BUILT) | | | | | |
|---|-------------|-----------|-------|--|--|
| NO. | итм соо | RDINATES | ELEV | | |
| NO. | NORTHING | EASTING | ELEV | | |
| 220 | 7 387 605.6 | 562 727.4 | 362. | | |
| 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.

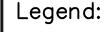


National Défense Defence nationale

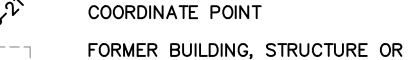
Headquarters Quartier général

General Notes:

- 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 CROSSROADS AND FOUNDATION LANDFILLS.



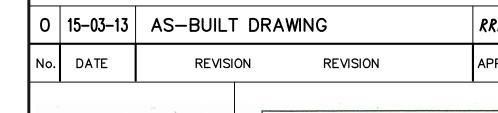
PERMANENT BENCHMARK LOCATION (1)





TYPE 1 GRANULAR FILL

TANK LOCATION





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

PERMIT TO PRACTICE

AECOM

■ 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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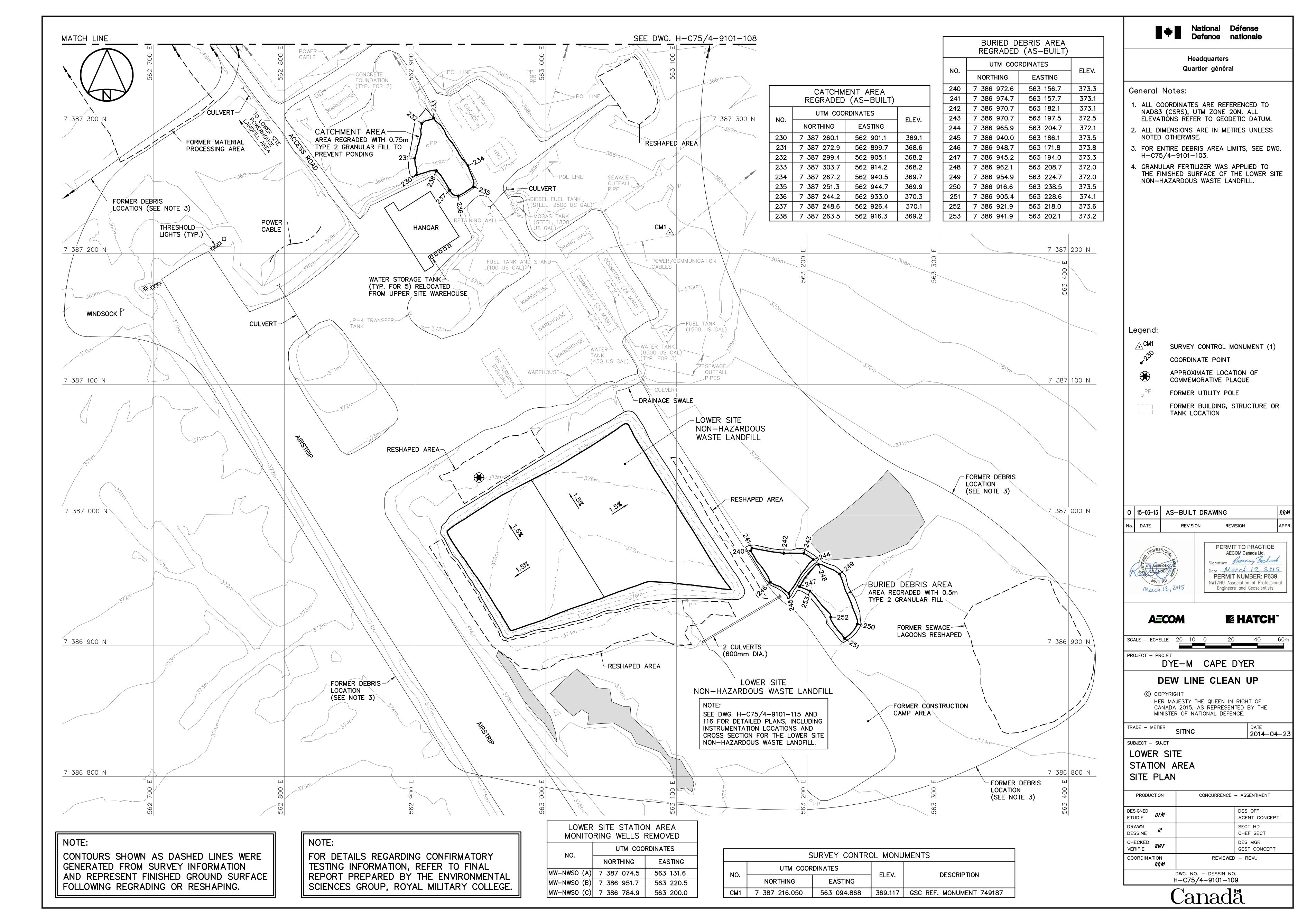
SUBJECT - SUJET

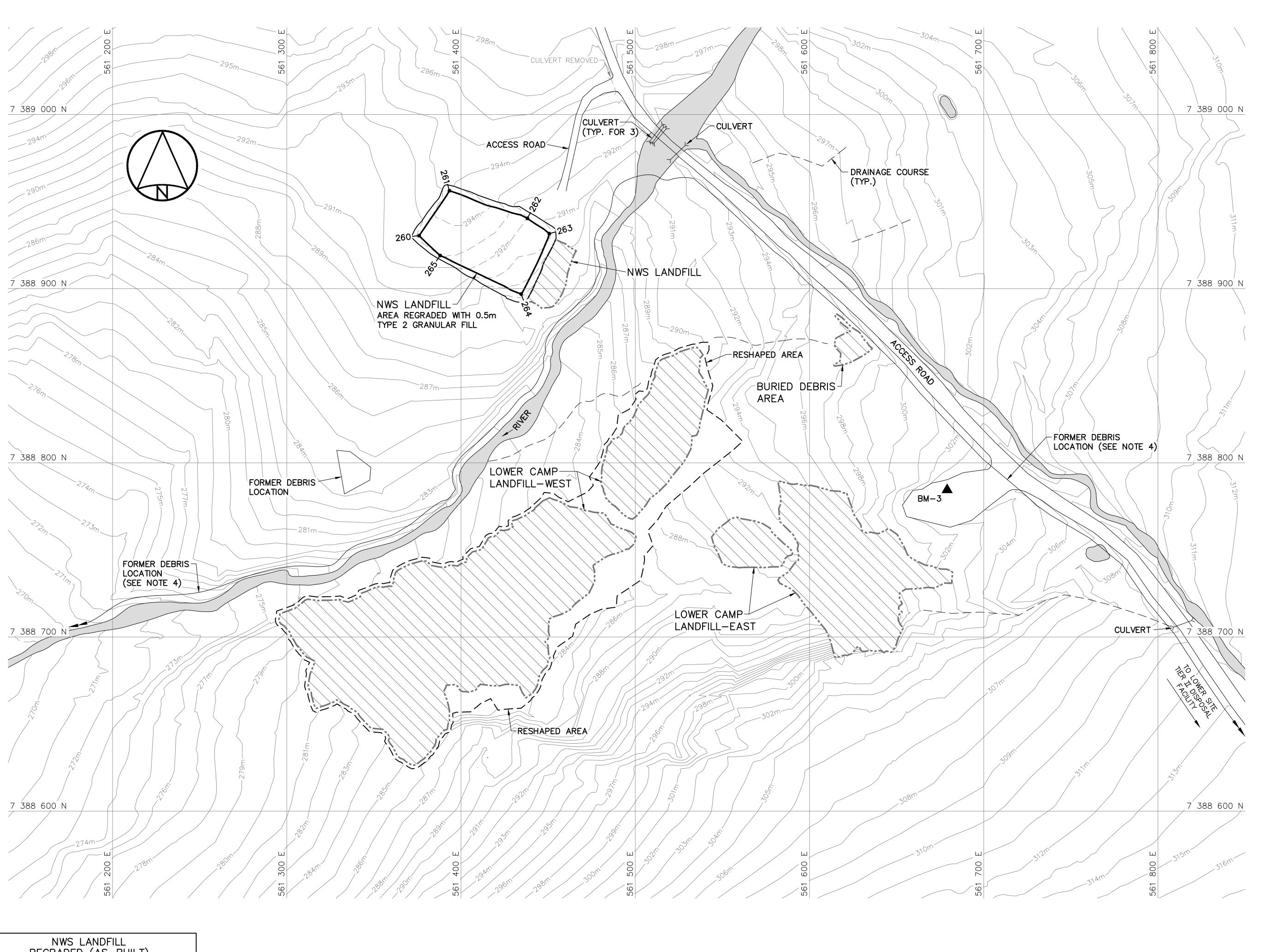
TRADE - METIER

LOWER SITE STATION AREA-NORTH SITE PLAN

| 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 | REVIEWED | – REVU |

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





| NWS LANDFILL REGRADED (AS-BUILT) | | | | | | |
|-------------------------------------|-------------|-----------|-------|--|--|--|
| NO. | UTM COO | RDINATES | ELEV. | | | |
| NO. | NORTHING | ELEV. | | | | |
| 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 | | | |

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 | | | | | |
|--------------------------|---------------------------|---------|---------|---------------------|--|
| NO. | UTM COOR | DINATES | | DESCRIPTION | |
| | NORTHING | EASTING | ELEV. | | |
| BM-3 | 7 388 784.458 561 678.997 | | 303.149 | PERMANENT BENCHMARK | |



National Défense Defence nationale

Headquarters Quartier général

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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)

COORDINATE POINT

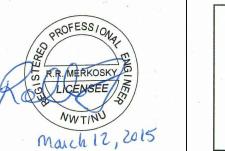


COMPLETED LANDFILL OR BURIED DEBRIS EXCAVATION



BODY OF WATER

| 0 | 15-03-13 | AS-BUIL | Γ DR | AWING | R | 2/ |
|-----|----------|---------|------|-------------------|----|----|
| No. | DATE | REVISI | ON | REVISION | А | ۰F |
| | PROFES | 8100 | Γ | PERMIT TO PRACTIO | CE | |



Signature Boung Below

Date March 12, 2015

PERMIT NUMBER: P639

NWT/NU Association of Professional Engineers and Geoscientists

2014-04-23

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|-------------------|----|----|---|----|----|
| | | | | | |
| PO IECT _ DPO IET | | | | | |

DYE-M CAPE DYER

DEW LINE CLEAN UP

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

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TRADE - METIER SITING

SUBJECT - SUJET

LOWER SITE
LOWER CAMP LANDFILL AREA
SITE PLAN

PRODUCTION

CONCURRENCE - ASSENTIMENT

DESIGNED DTM
ETUDIE DTM

DRAWN
DESSINE IC

CHECKED VERIFIE BWF

COORDINATION

CONCURRENCE - ASSENTIMENT

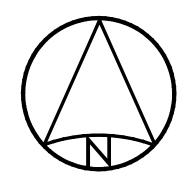
DES OFF
AGENT CONCEPT

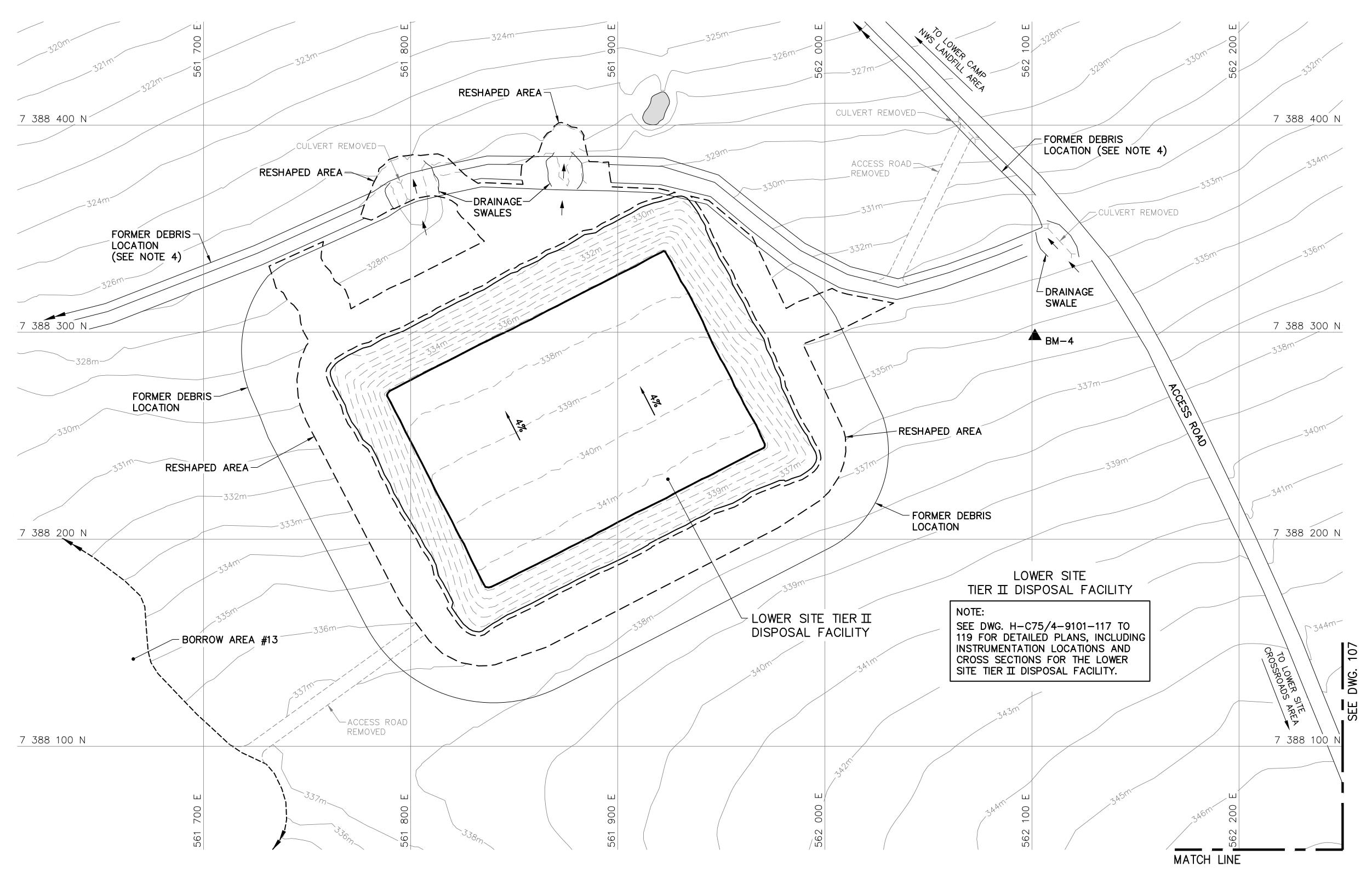
SECT HD
CHEF SECT

DES MGR
GEST CONCEPT

REVIEWED - REVU

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





| SURVEY CONTROL MONUMENTS | | | | | |
|--------------------------|-----------------|-------------|---------|---------------------|--|
| 22 | UTM COORDINATES | | EL E./ | DECODIDATION | |
| 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.

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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 TIER II DISPOSAL FACILITY.

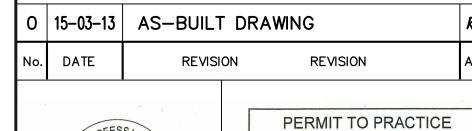
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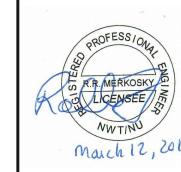
▲^{BM-}

4 PERMANENT BENCHMARK LOCATION (1)



BODY OF WATER





AECOM Canada Ltd.

Signature Back 3eclaris

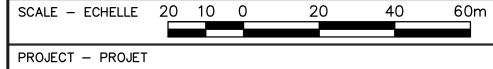
Date March 12, 2015

PERMIT NUMBER: P639

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HATCH



DYE-M CAPE DYER

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TRADE - METIER SITING

DATE
2014-04-23

SUBJECT - SUJET

SITE PLAN

LOWER SITE
TIER II DISPOSAL FACILITY AREA

PRODUCTION

CONCURRENCE - ASSENTIMENT

DESIGNED DTM
ETUDIE

DRAWN
DESSINE

CHECKED VERIFIE

COORDINATION
RRM

CONCURRENCE - ASSENTIMENT

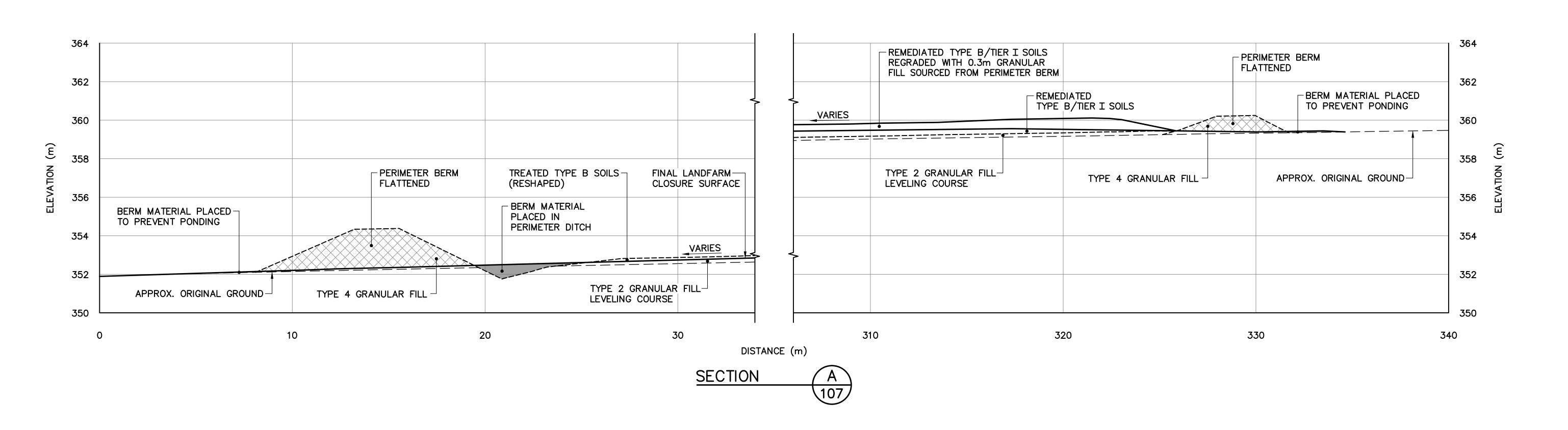
DES OFF
AGENT CONCEPT

SECT HD
CHEF SECT

DES MGR
GEST CONCEPT

REVIEWED - REVU

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





Headquarters Quartier général

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- 2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.

Legend:

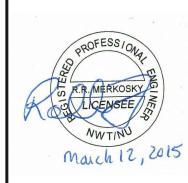
__ GENERATED BASED ON FINAL AS-BUILT SURVEY INFORMATION

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_ GENERATED BASED ON ORIGINAL SURVEY INFORMATION

O 15-03-13 AS-BUILT DRAWING

No. DATE REVISION REVISION APP



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AECOM Canada Ltd.

Date March 12, 2015

PERMIT NUMBER: P639

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TRADE - METIER

SITING

SUBJECT - SUJET

LOWER SITE

CLOSED LANDFARM CROSS SECTION

PRODUCTION

CONCURRENCE - ASSENTIMENT

DESIGNED DTM
ETUDIE

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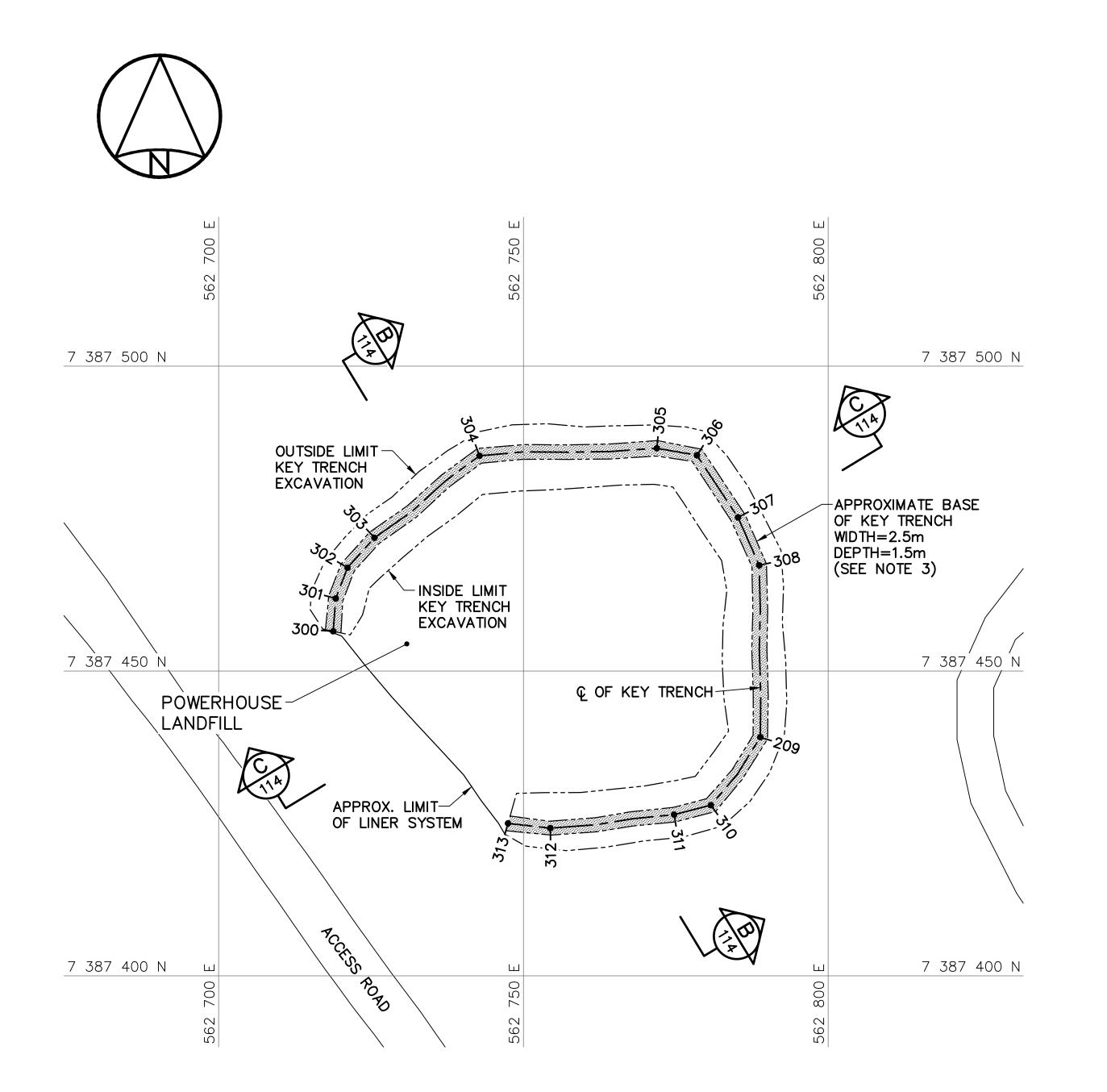
DES OFF
AGENT CONCEPT

SECT HD
CHEF SECT

DES MGR
GEST CONCEPT

REVIEWED - REVU

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



7 387 500 N

MW05-06

RESHAPED AREA

7 387 500 N

RESHAPED AREA

7 387 500 N

RESHAPED AREA

7 387 400 N

KEY TRENCH EXCAVATION PLAN

FINAL GRADING/INSTRUMENTATION PLAN

| POWERHOUSE LANDFILL KEY TRENCH EXCAVATION (AS-BUILT) | | | | | |
|--|-------------|-----------|-------|--|--|
| NO. | UTM COO | RDINATES | ELEV. | | |
| NO. | NORTHING | EASTING | | | |
| 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 | | |

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.

| POWERHOUSE LANDFILL FINAL GRADING (AS—BUILT) | | | |
|---|-----------------|-----------|-------|
| NO. | UTM COORDINATES | | |
| 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 |
| | | | |

| POWERHOUSE LANDFILL MONITORING WELLS (AS-BUILT) | | | | |
|---|-----------------|-----------|-------|--|
| 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 COO | UTM COORDINATES | |
| NO. | NORTHING | EASTING | ELEV. |
| 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 |

* NOTE: ELEVATION

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

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- 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 (3)
BACKGROUND MONITORING WELL

LOCATION (1)

VERTICAL GROUND TEMPERATURE

CABLE LOCATION (3)

TYPE 1 GRANULAR FILL



O 15-03-13 AS-BUILT DRAWING RA



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Signature Barry Beland

Date March 12, 2015

PERMIT NUMBER: P639

NWT/NU Association of Professional Engineers and Geoscientists

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TRADE - METIER SITING

DATE
2014-04-23

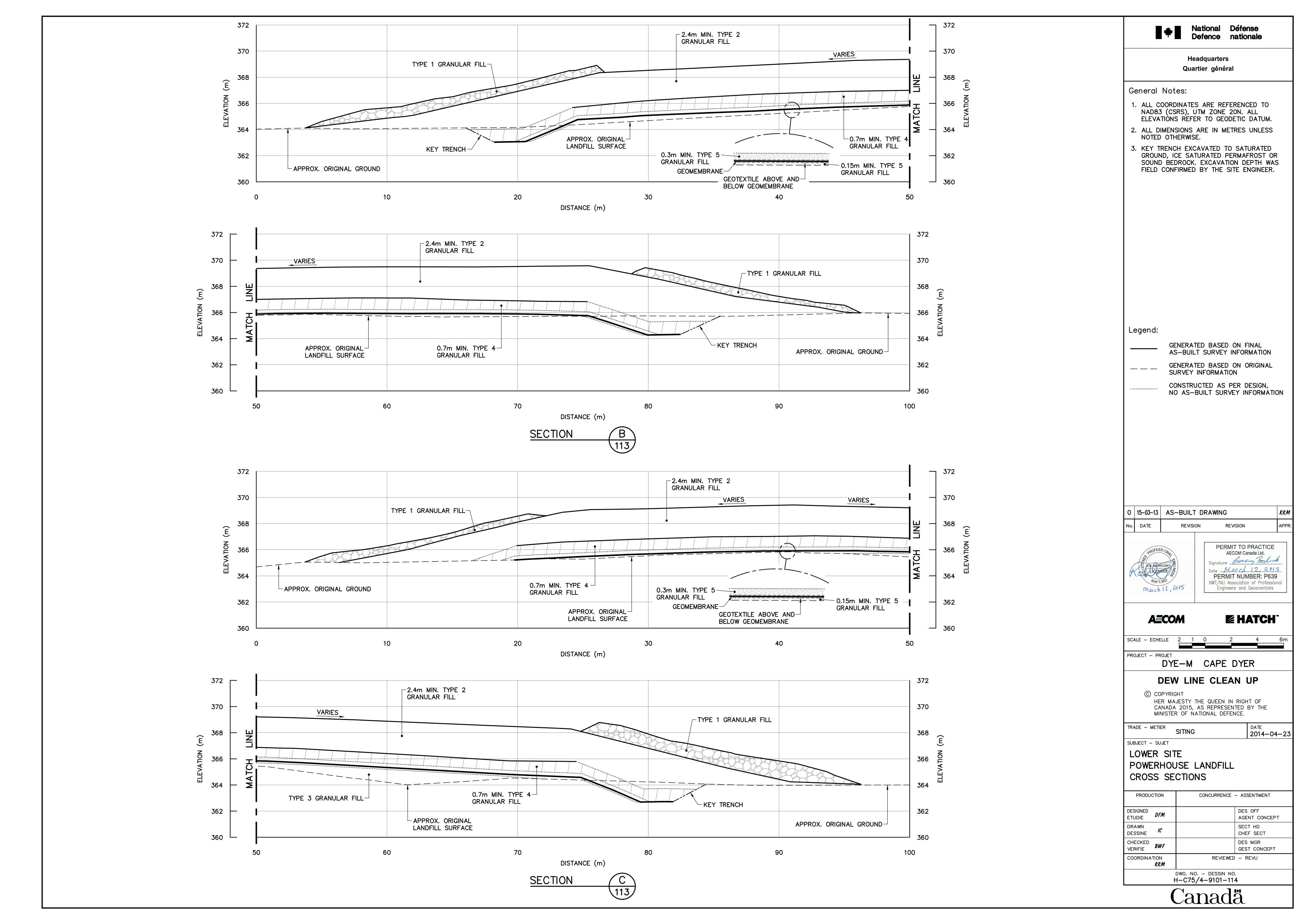
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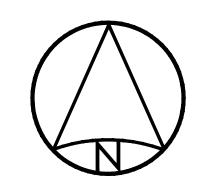
LOWER SITE POWERHOUSE LANDFILL KEY TRENCH EXCAVATION PLAN & GRADING/INSTRUMENTATION PLAN

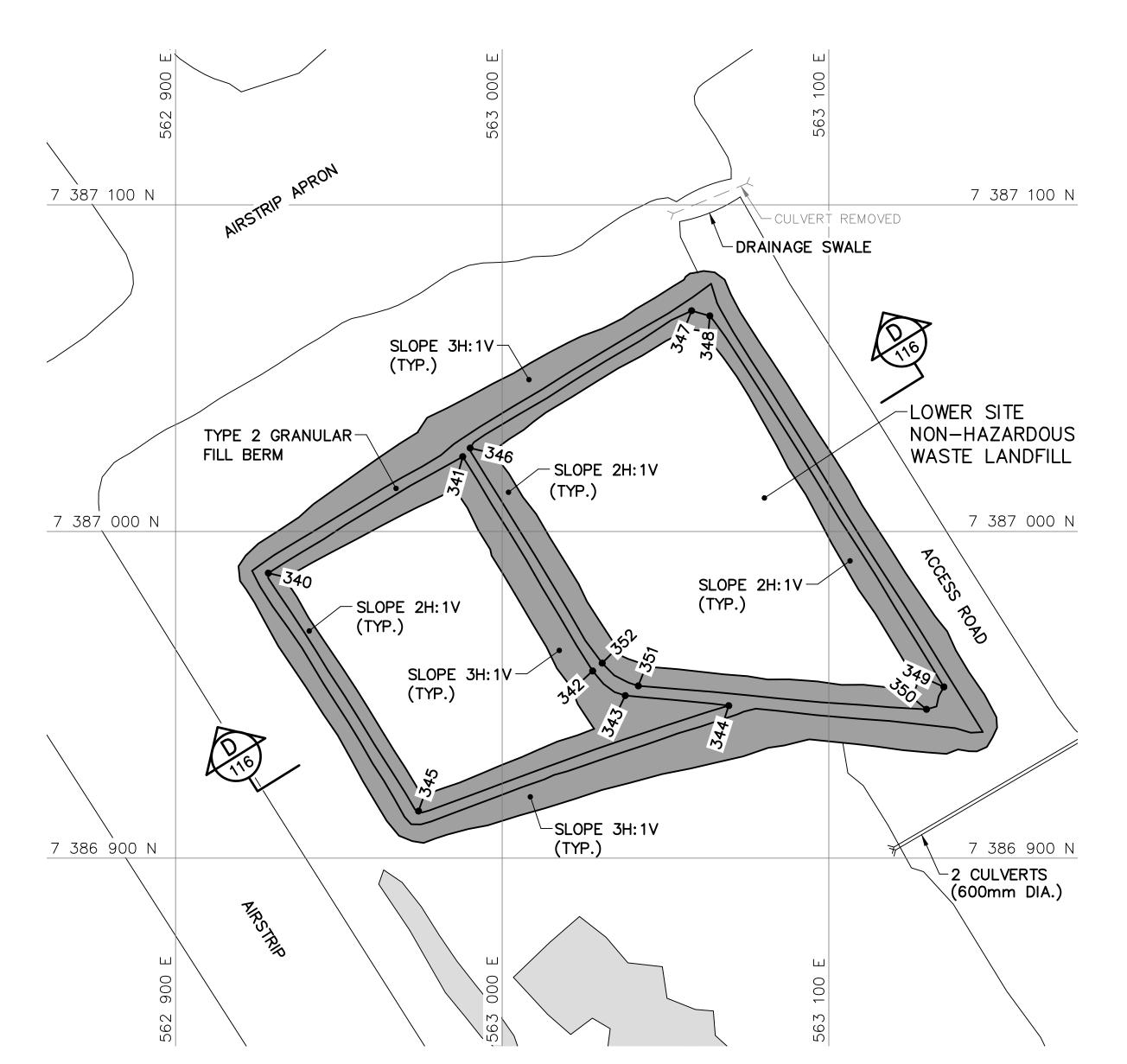
| PRODUCTION | | CONCURRENCE | - ASSENTIMENT |
|--------------------|------------|-------------|--------------------------|
| DESIGNED ETUDIE | DTM | | DES OFF AGENT CONCEPT |
| DRAWN DESSINE | IC | | SECT HD CHEF SECT |
| CHECKED VERIFIE | <i>BWF</i> | | DES MGR GEST CONCEPT |
| COORDINATION RRM | |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

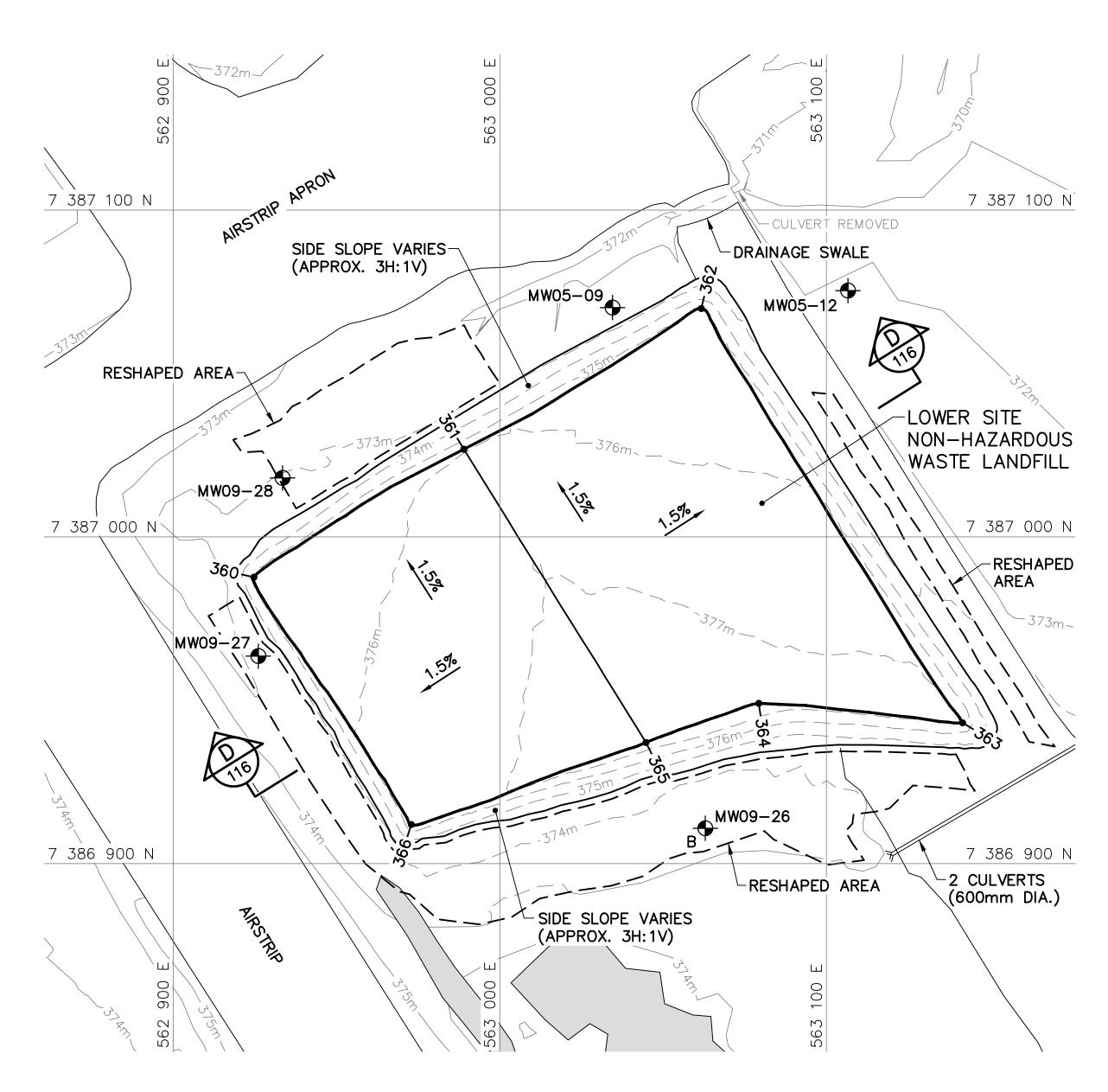
DWG. NO. - DESSIN NO. H-C75/4-9101-113











BERM CONSTRUCTION PLAN

FINAL GRADING/INSTRUMENTATION PLAN

| LOWER SITE |
|------------------------------|
| NON-HAZARDOUS WASTE LANDFILL |
| BERM CONSTRUCTION (AS-BUILT) |
| |

| BERM CONSTRUCTION (AS-BUILT) | | | |
|------------------------------|-------------|-----------|-------|
| NO. | UTM COO | | |
| 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.

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 | | |
|---|-----|-----------------|-----------|-------|
| | NO. | NORTHING | EASTING | ELEV. |
| ĺ | 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 NON-HAZARDOUS WASTE LANDFILL MONITORING WELLS (AS-BUILT) | | | |
|---|----------|----------|-------|
| NO | UTM COO | RDINATES | FLFV. |
| NO. | NORTHING | EASTING | ELEV. |

| 140. | NORTHING | EASTING | |
|---------|-------------|-----------|-------|
| 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. | UTM COORDINATES | |
| NO. | NORTHING | EASTING |
| MW05-10 7 386 992.1 562 974.0 | | 562 974.0 |



National Défense Defence nationale

Headquarters Quartier général

General Notes:

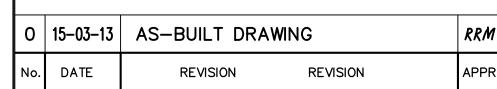
- 1. ALL COORDINATES ARE REFERENCED TO NAD83 (CSRS), UTM ZONE 20N. ALL ELEVATIONS REFER TO GEODETIC DATUM.
- 2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- 3. FOR MONITORING WELL INSTALLATION DETAILS, SEE DWG. H-C75/4-9101-191.
- 4. GRANULAR FERTILIZER WAS APPLIED TO THE FINISHED SURFACE OF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

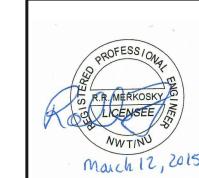
Legend:

COORDINATE POINT



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





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DATE 2014-04-23

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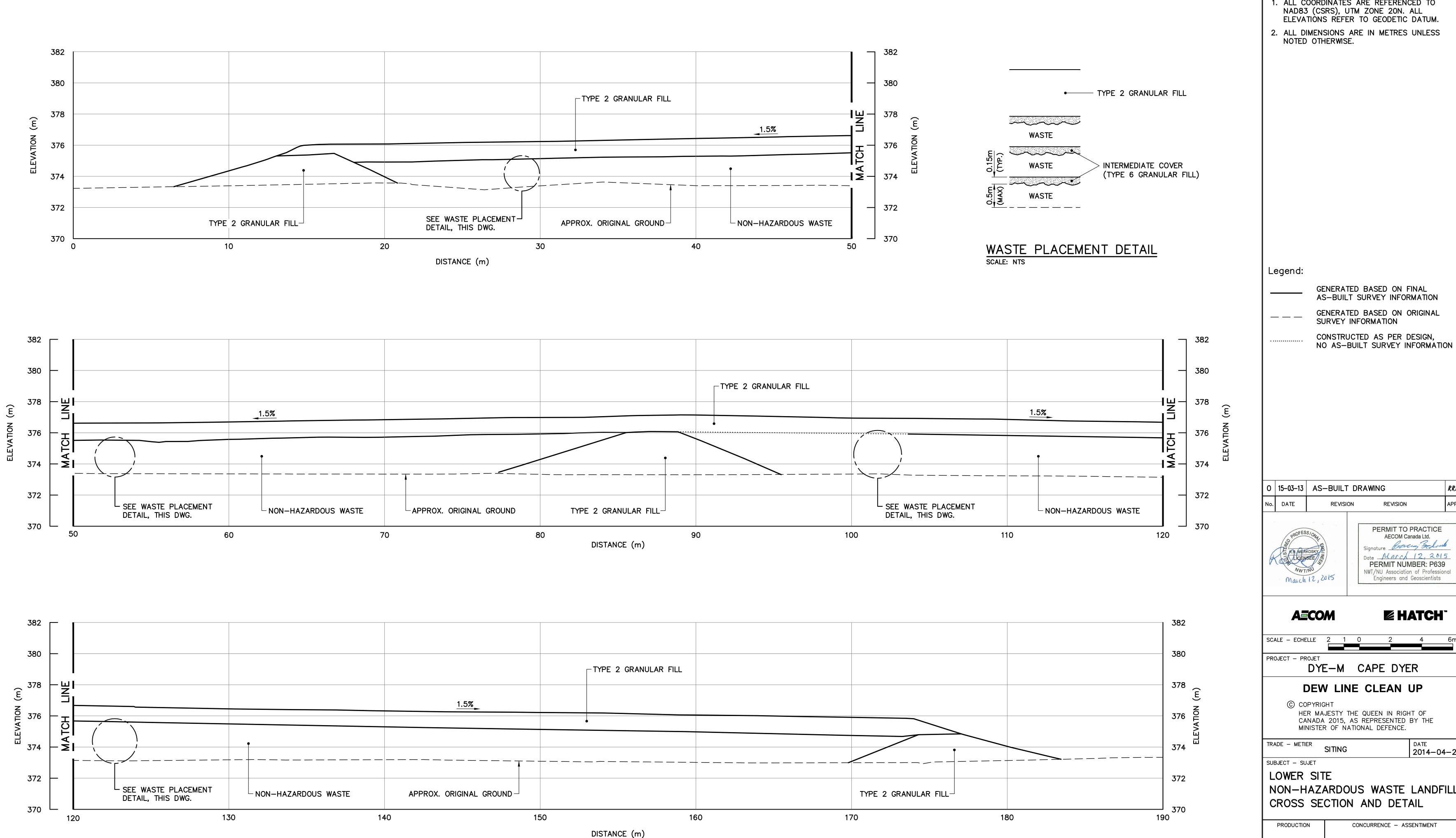
TRADE - METIER

SUBJECT - SUJET

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

| 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 |
| COORDINATION <i>RRM</i> | | REVIEWED | - REVU |
| | | DWG. NO DESSIN NO | |

H-C75/4-9101-115 Canadä



SECTION

115

National Défense Defence nationale

Headquarters Quartier général

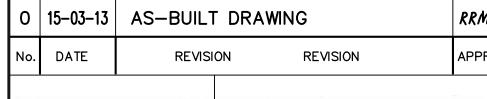
General Notes:

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- 2. ALL DIMENSIONS ARE IN METRES UNLESS

GENERATED BASED ON FINAL AS-BUILT SURVEY INFORMATION

GENERATED BASED ON ORIGINAL SURVEY INFORMATION

NO AS-BUILT SURVEY INFORMATION



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

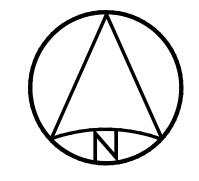
DYE-M CAPE DYER

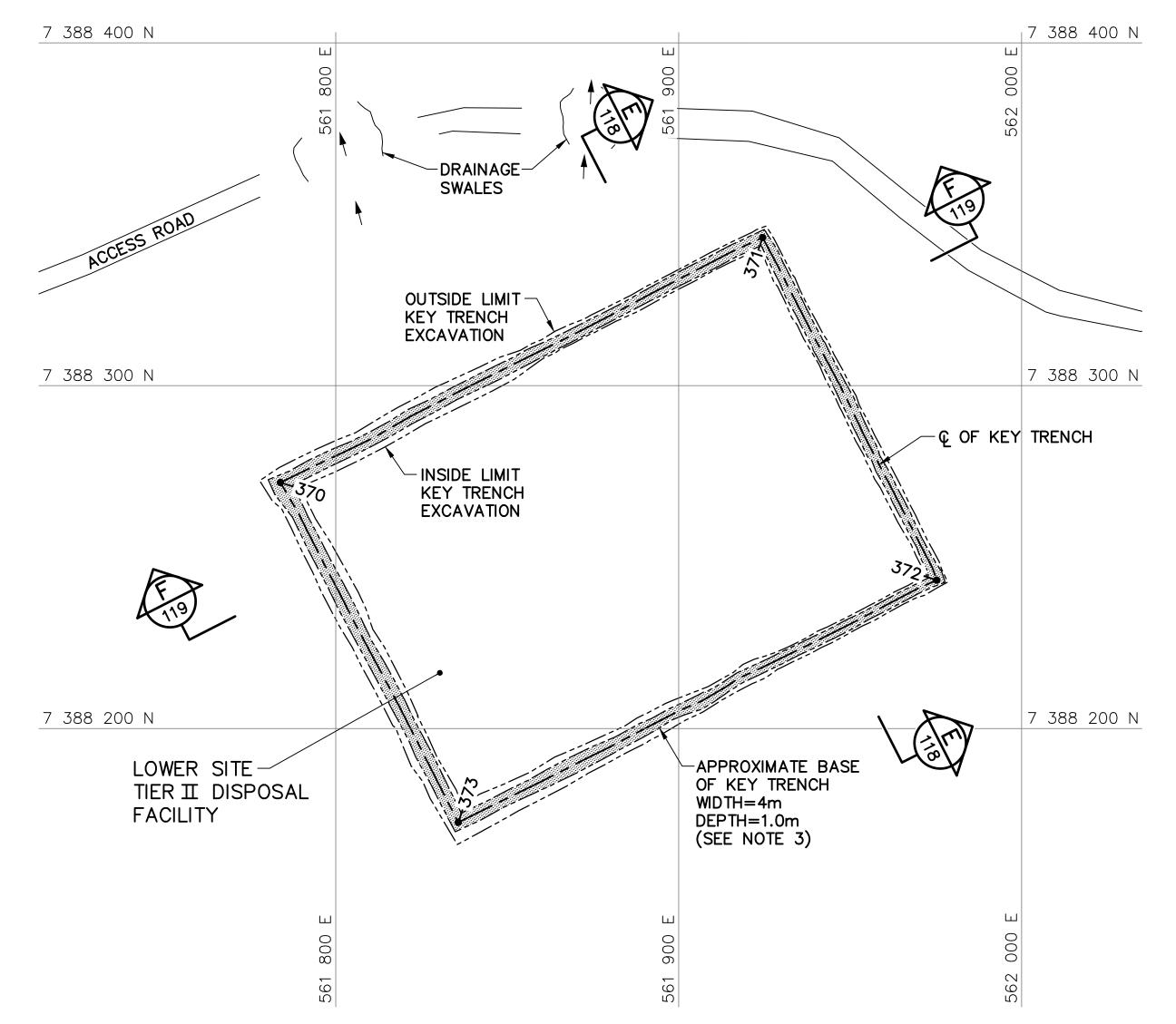
DATE 2014-04-23

NON-HAZARDOUS WASTE LANDFILL CROSS SECTION AND DETAIL

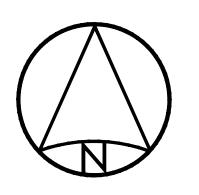
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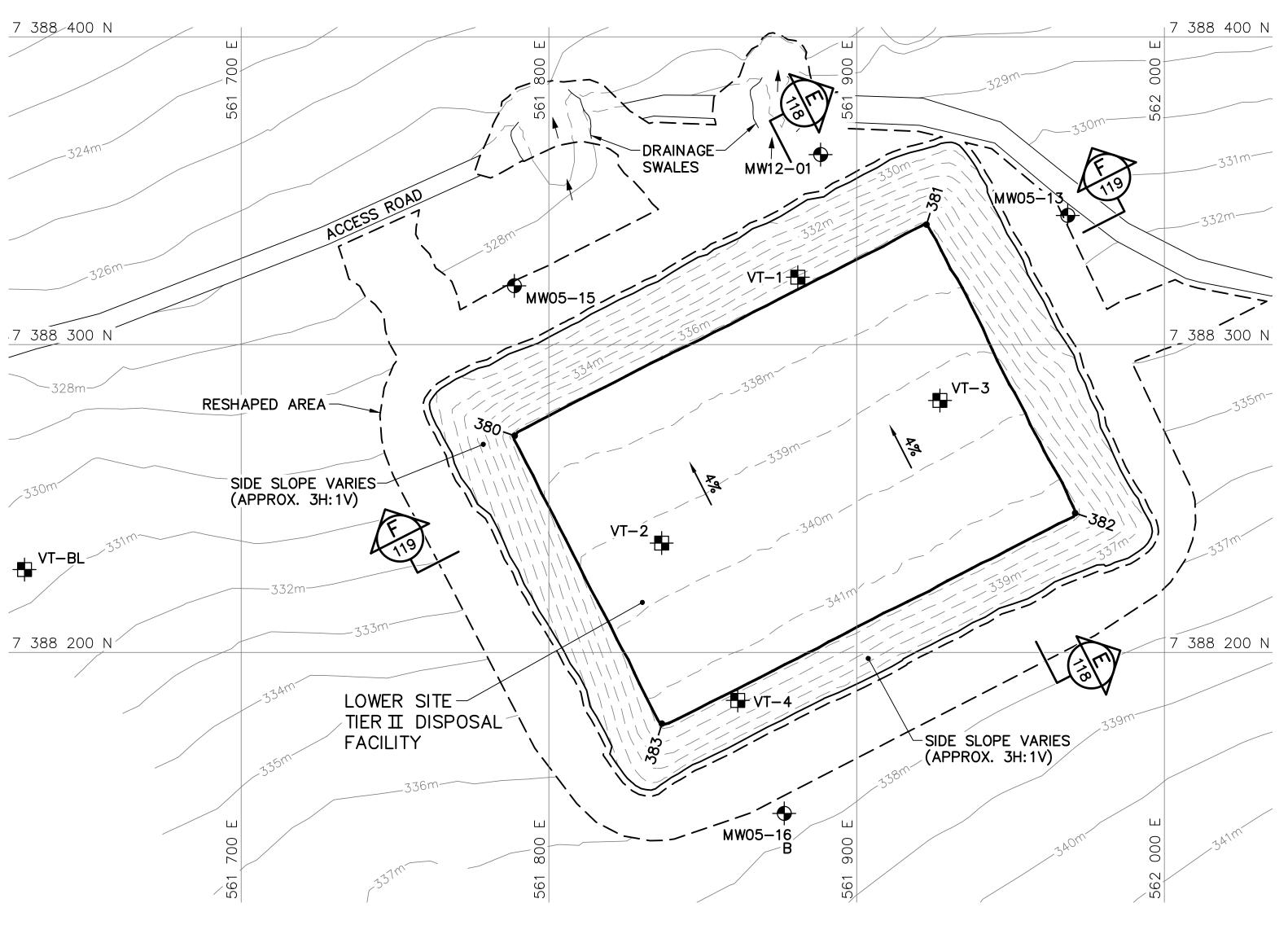
DWG. NO. - DESSIN NO. H-C75/4-9101-116





KEY TRENCH EXCAVATION PLAN





FINAL GRADING/INSTRUMENTATION PLAN

| LOWER SITE TIER II DISPOSAL FACILITY KEY TRENCH EXCAVATION (AS-BUILT) | | | |
|---|-------------|-----------|-------|
| NO. | UTM COO | RDINATES | ELEV. |
| NO. | NORTHING | EASTING | |
| 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 FACILITY FINAL GRADING (AS-BUILT | • |
|------|--|-----|
| NO. | UTM COORDINATES | FIF |
| 140. | | |

| NO. | UTM COO | RDINATES | ELEV. |
|-----|-------------|-----------|--------|
| NO. | NORTHING | EASTING | ELE V. |
| 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. | UTM COO | RDINATES | ELEV. |
|---------|-------------|-----------|-------|
| NO. | NORTHING | EASTING | ELEV. |
| 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 |

| LOWER SITE TIER II DISPOSAL FACILITY GROUND TEMPERATURE CABLES (AS-BUILT) | | | | |
|---|-------------|-----------|-------|--|
| GIVOUND | | • | | |
| NO. | UTM COO | RDINATES | ELEV. | |
| | NORTHING | EASTING | | |
| 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 | |
| | | | | |

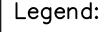


National Défense Defence nationale

Headquarters
Quartier général

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- 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.

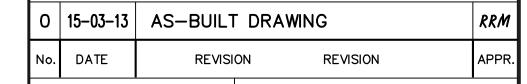


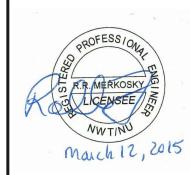
COORDINATE POINT

MONITORING WELL LOCATION (3)

BACKGROUND MONITORING WELL LOCATION (1)

VERTICAL GROUND TEMPERATURE CABLE LOCATION (5)





AECOM Canada Ltd.

Signature Boung School

Date March 12, 2015

PERMIT NUMBER: P639

NWT/NU Association of Professional
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TRADE - METIER

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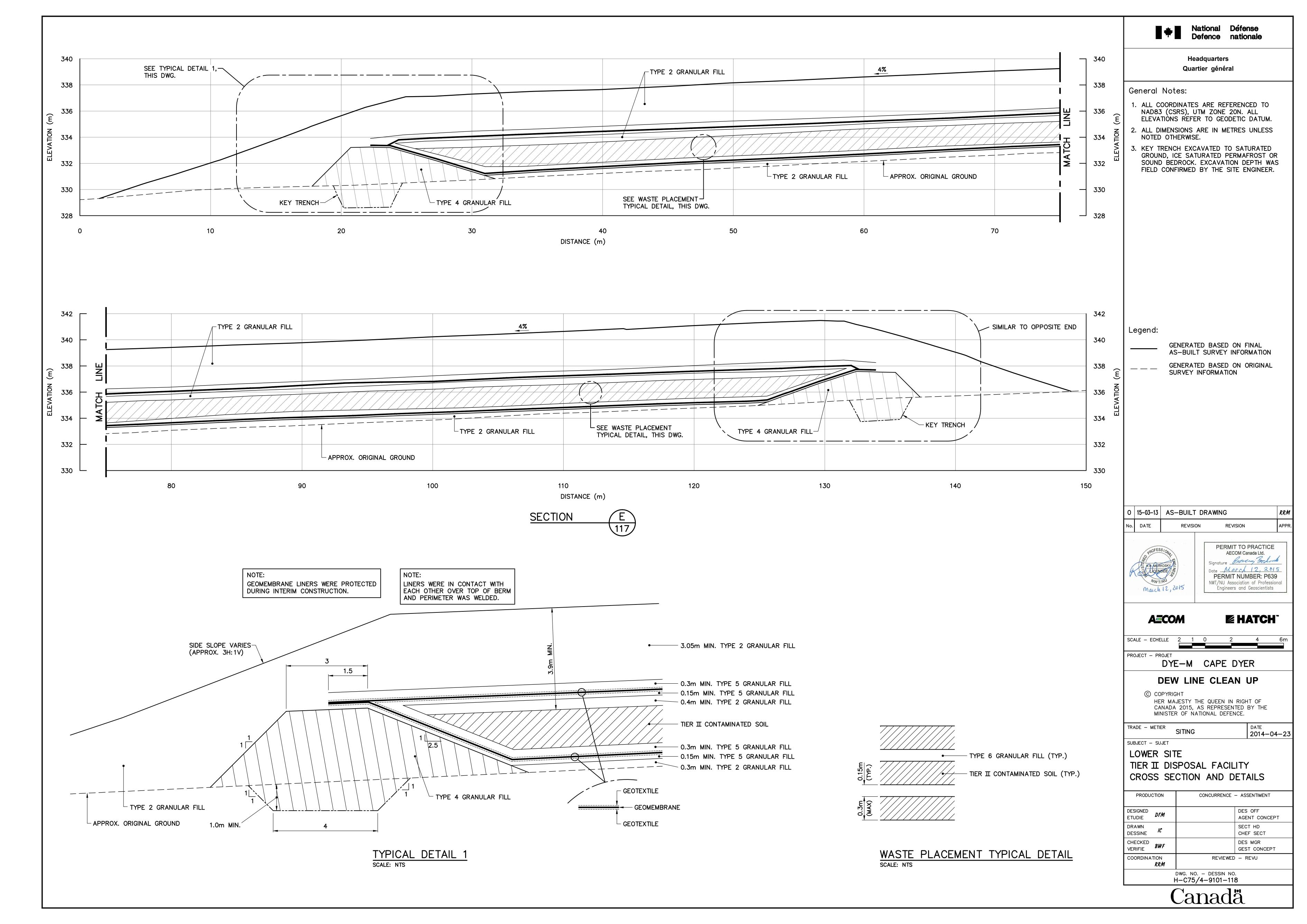
DATE
2014-04-23

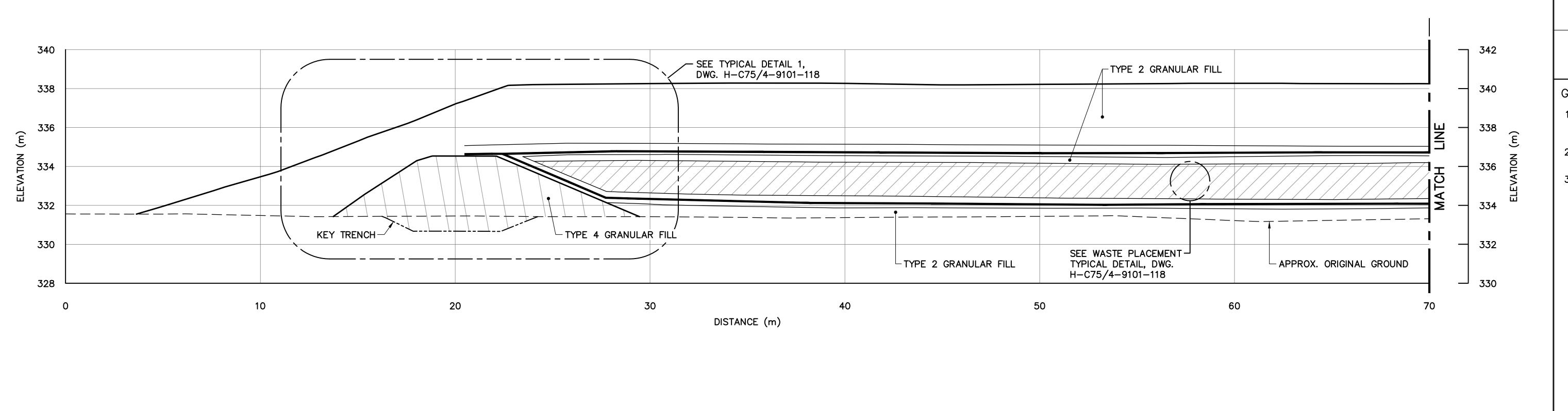
SUBJECT - SUJET

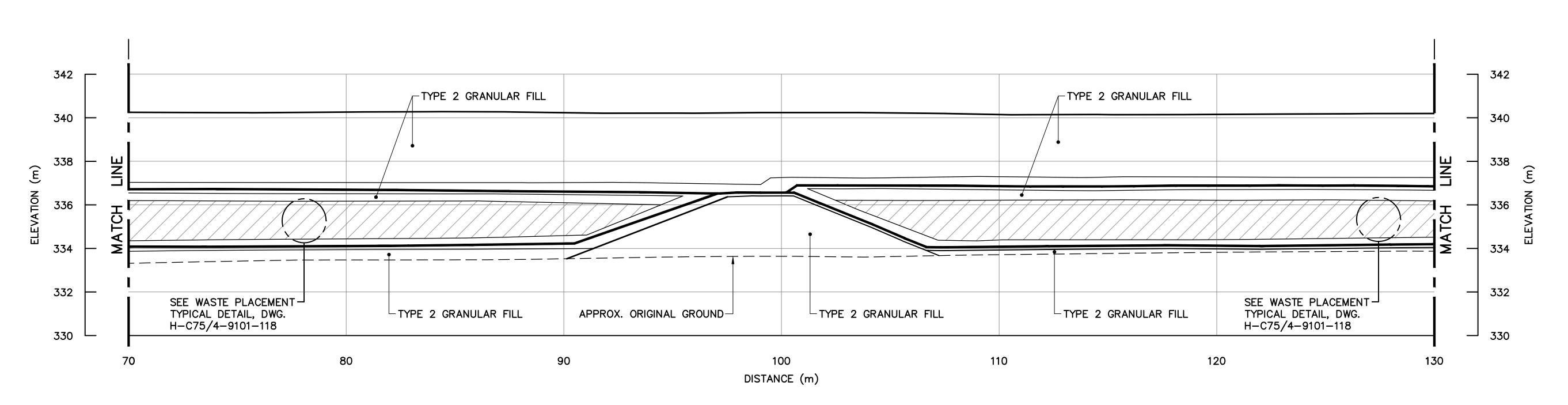
LOWER SITE TIER II DISPOSAL FACILITY KEY TRENCH EXCAVATION PLAN & GRADING/INSTRUMENTATION PLAN

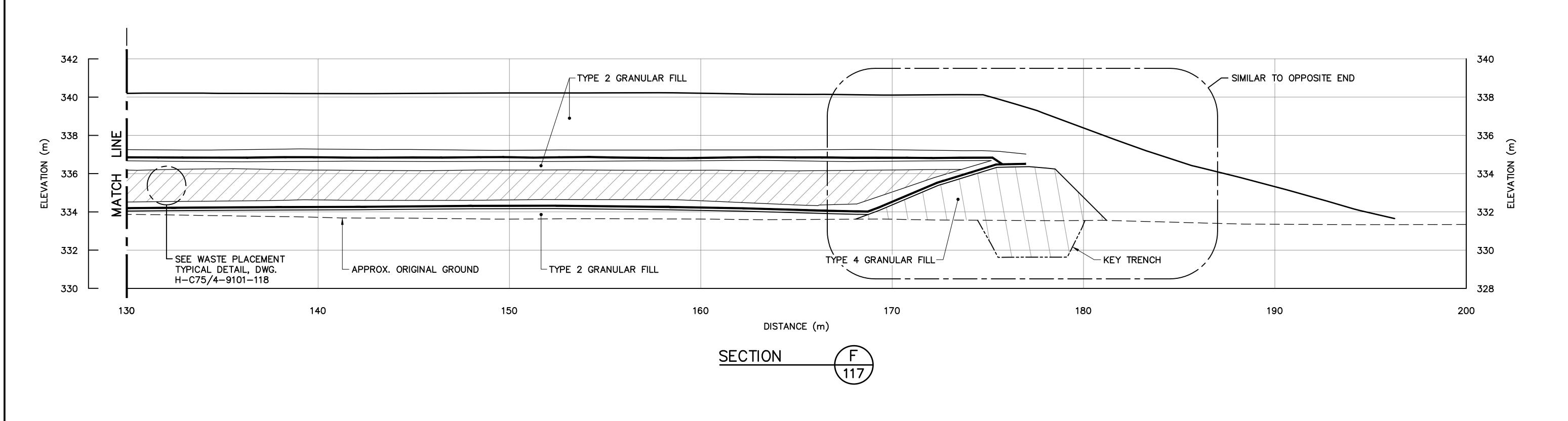
| PRODUCTION | | CONCURRENCE — ASSENTIMENT | |
|--------------------|--------------------|---------------------------|--------------------------|
| DESIGNED ETUDIE | DTM | | DES OFF AGENT CONCEPT |
| DRAWN DESSINE | IC | | SECT HD CHEF SECT |
| CHECKED VERIFIE | BWF | | DES MGR GEST CONCEPT |
| COORDINA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

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











Headquarters Quartier général

General Notes:

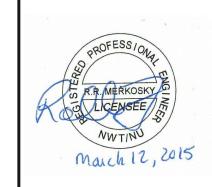
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- 2. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
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Legend:

GENERATED BASED ON FINAL AS-BUILT SURVEY INFORMATION

GENERATED BASED ON ORIGINAL SURVEY INFORMATION

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



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

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SUBJECT - SUJET

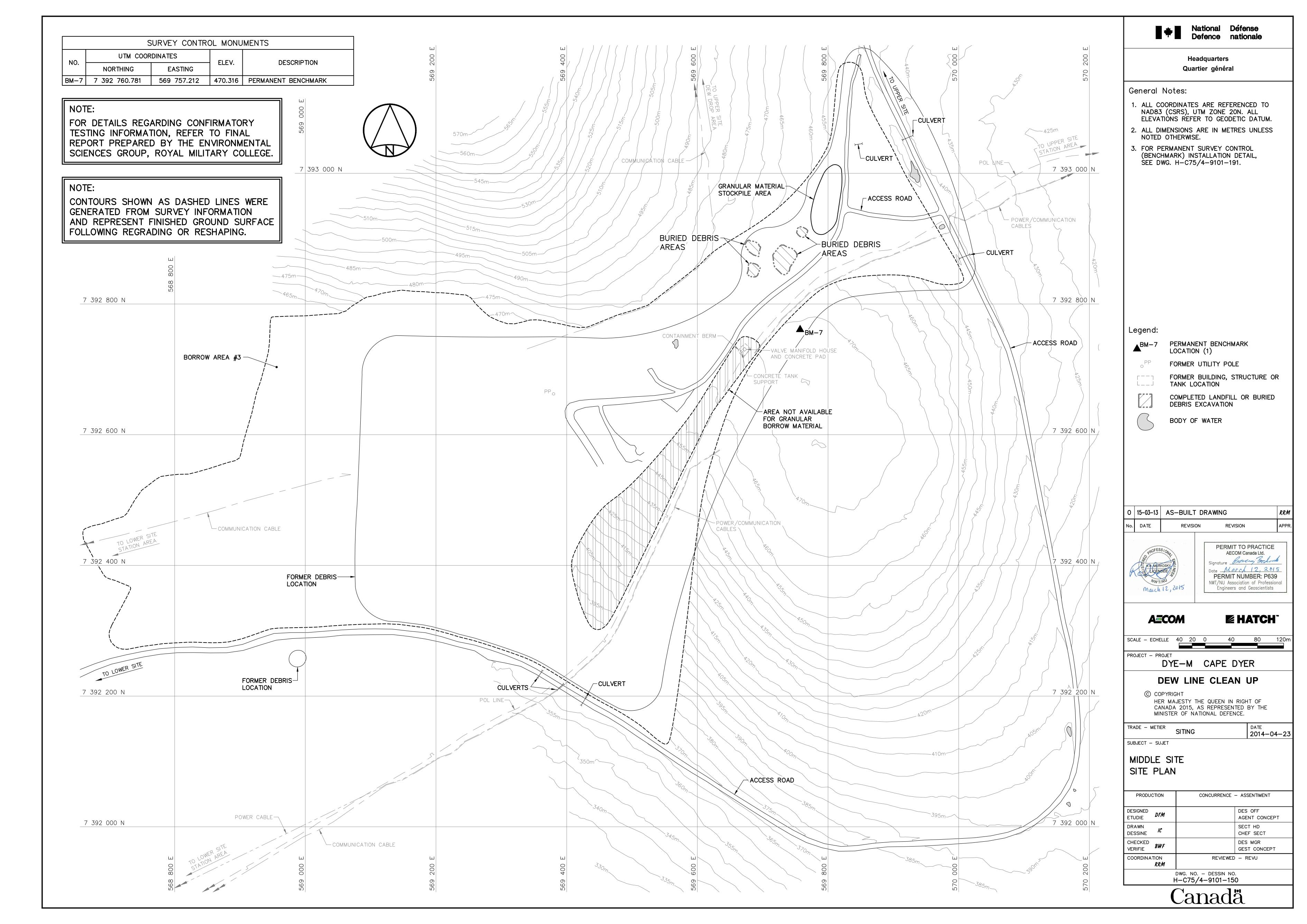
PROJECT - PROJET

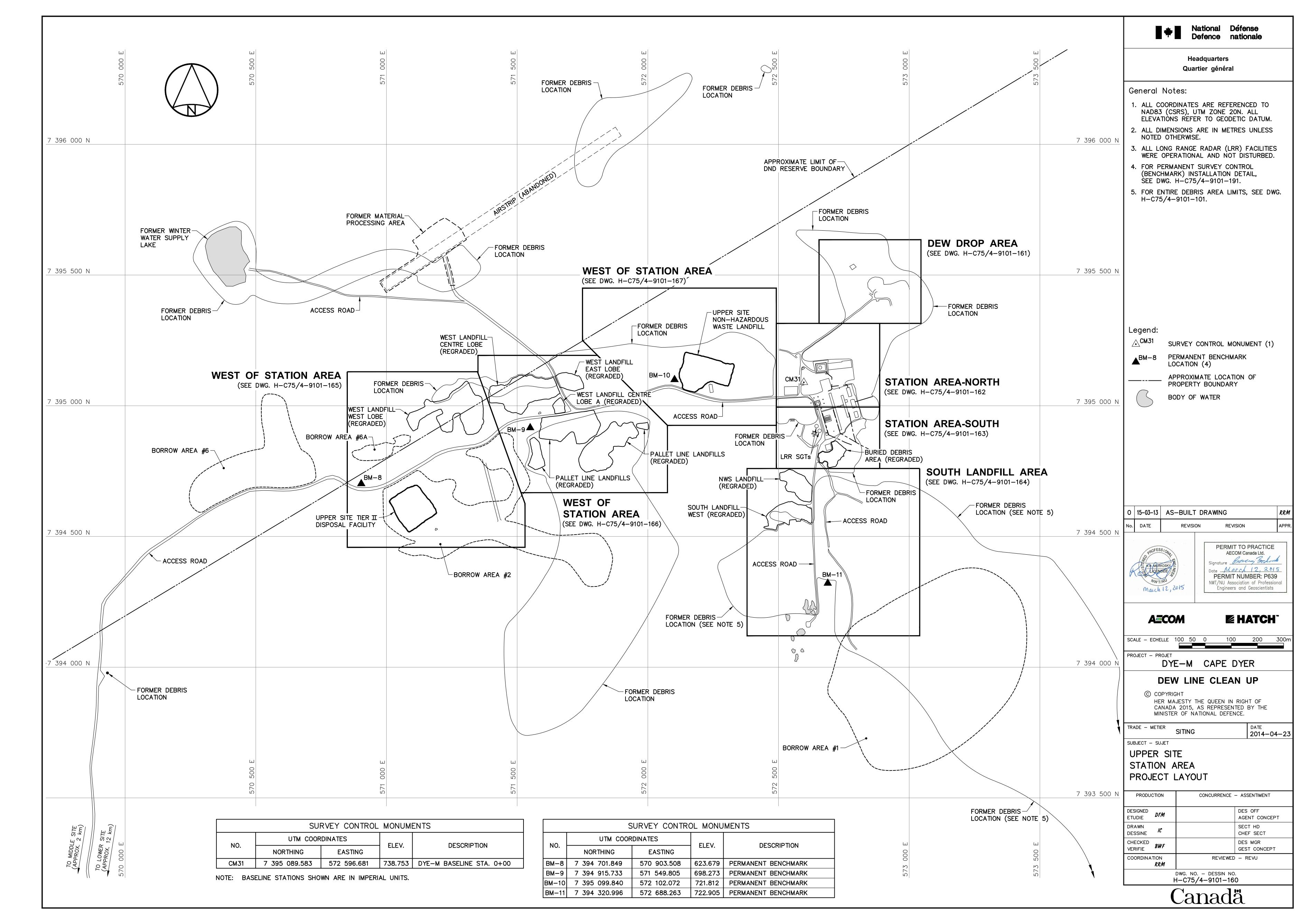
LOWER SITE TIER II DISPOSAL FACILITY

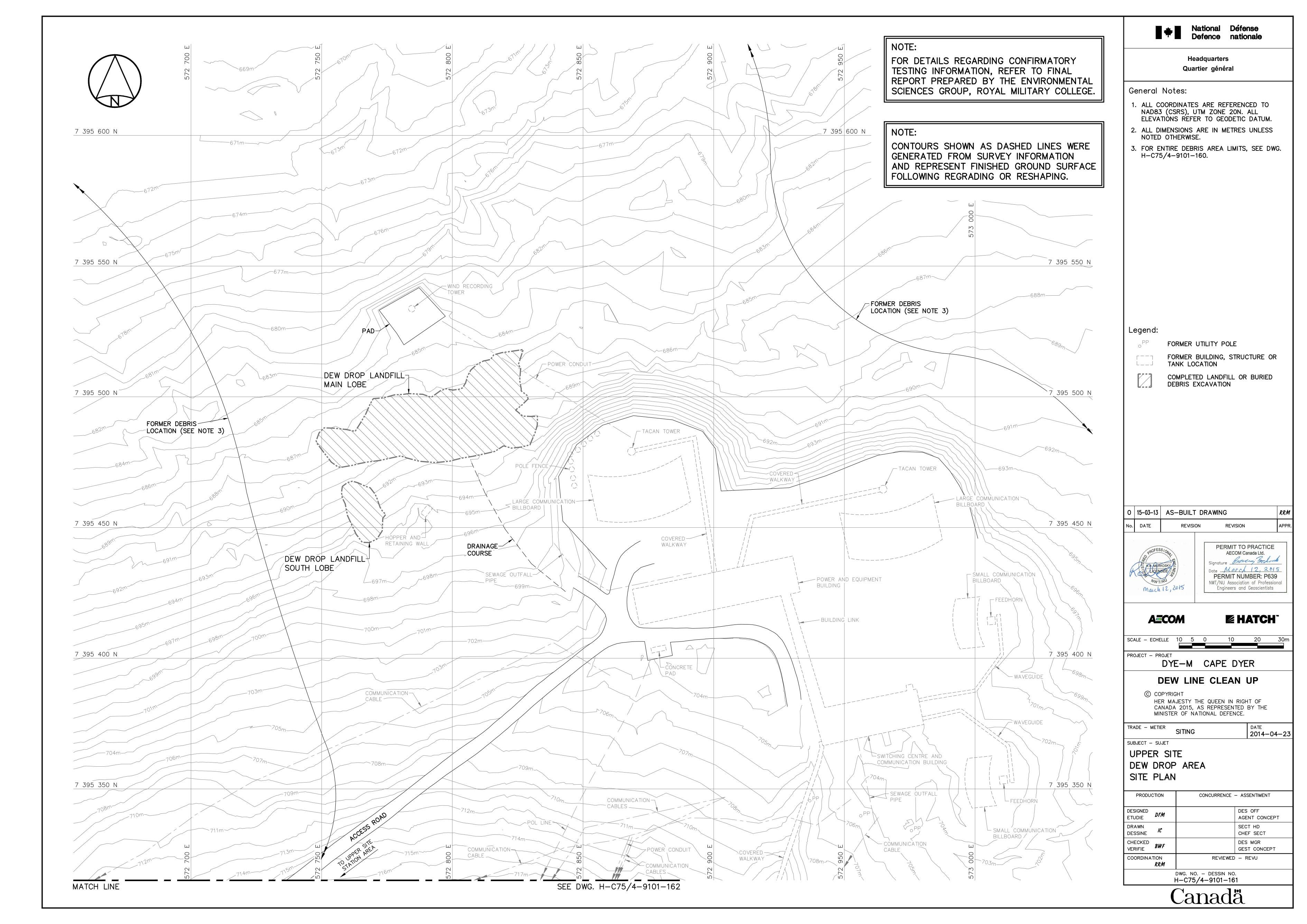
CROSS SECTION PRODUCTION CONCURRENCE - ASSENTIMENT

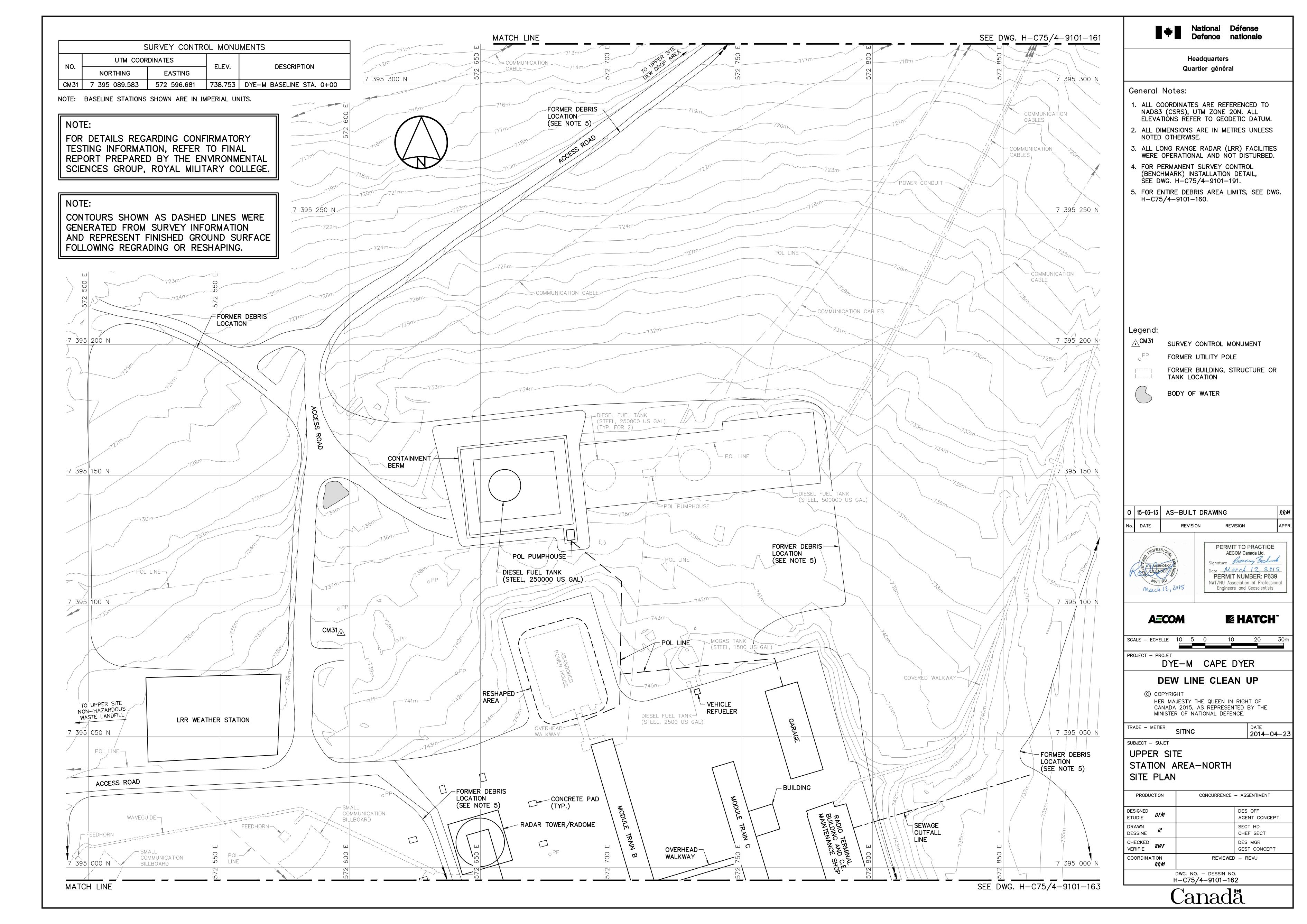
DESIGNED DES OFF ETUDIE AGENT CONCEPT DRAWN SECT HD DESSINE CHEF SECT CHECKED VERIFIE **BWF** DES MGR GEST CONCEPT COORDINATION RRM REVIEWED - REVU

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









| | BURIED DEBRIS AREA REGRADED (AS-BUILT) | | | | | | |
|-----|---|-----------|-------|-----|-------------|-----------|-------|
| | UTM COO | RDINATES | | NO. | UTM COO | | |
| 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.

SEE DWG. H-C75/4-9101-162 MATCH LINE OVERHEAD — 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 ĆONCRETE -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 — SEWAGÉ 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.

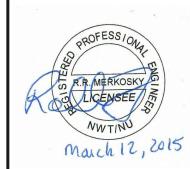


COORDINATE POINT

FORMER UTILITY POLE

FORMER BUILDING, STRUCTURE OR TANK LOCATION

0 | 15-03-13 | AS-BUILT DRAWING No. DATE REVISION REVISION



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

HATCH

2014-04-23

PERMIT TO PRACTICE

AECOM

PROJECT - PROJET DYE-M CAPE DYER

SCALE - ECHELLE 10 5 0 10 20 30m

DEW LINE CLEAN UP

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SUBJECT - SUJET

TRADE - METIER

UPPER SITE

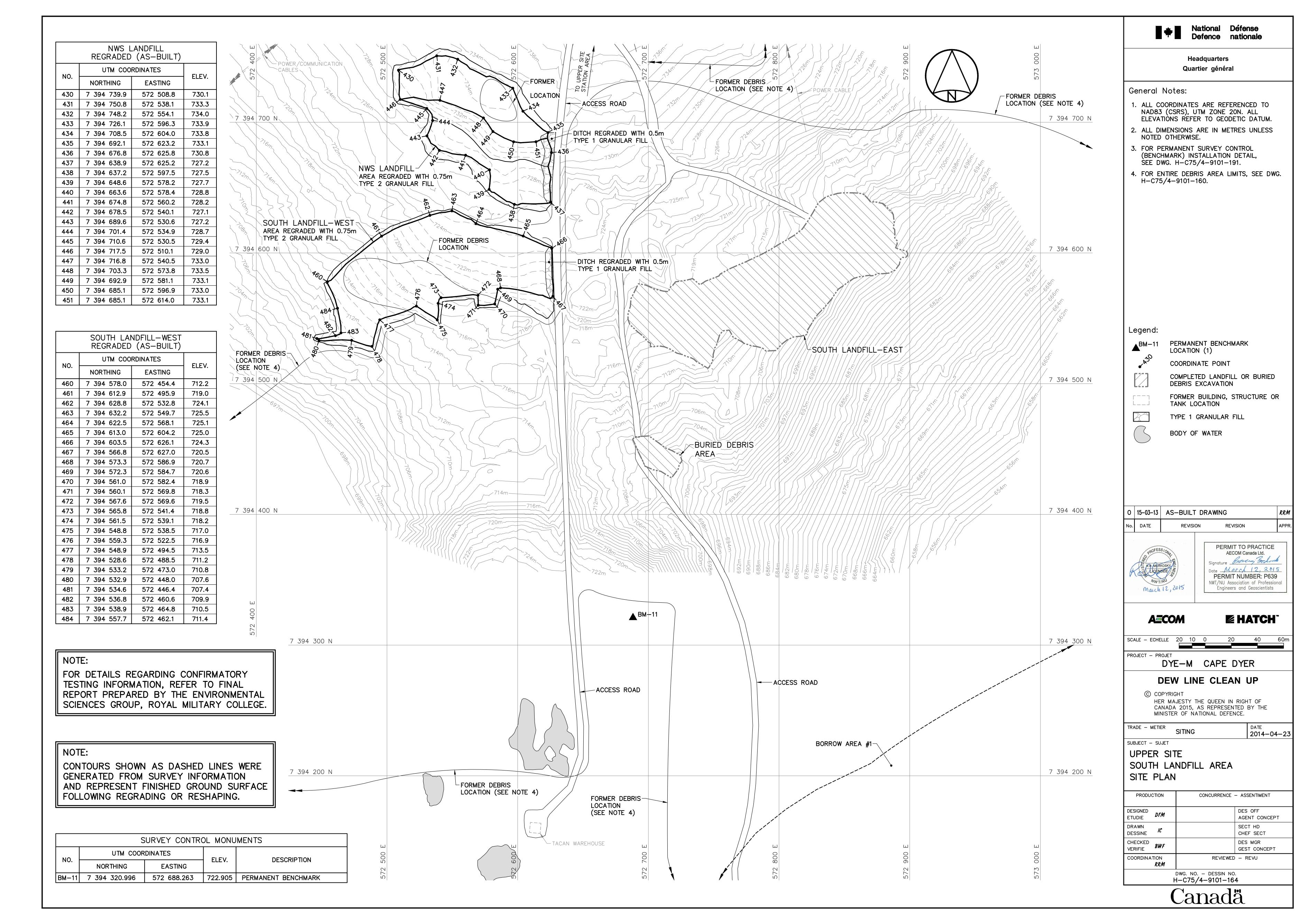
STATION AREA-SOUTH SITE PLAN

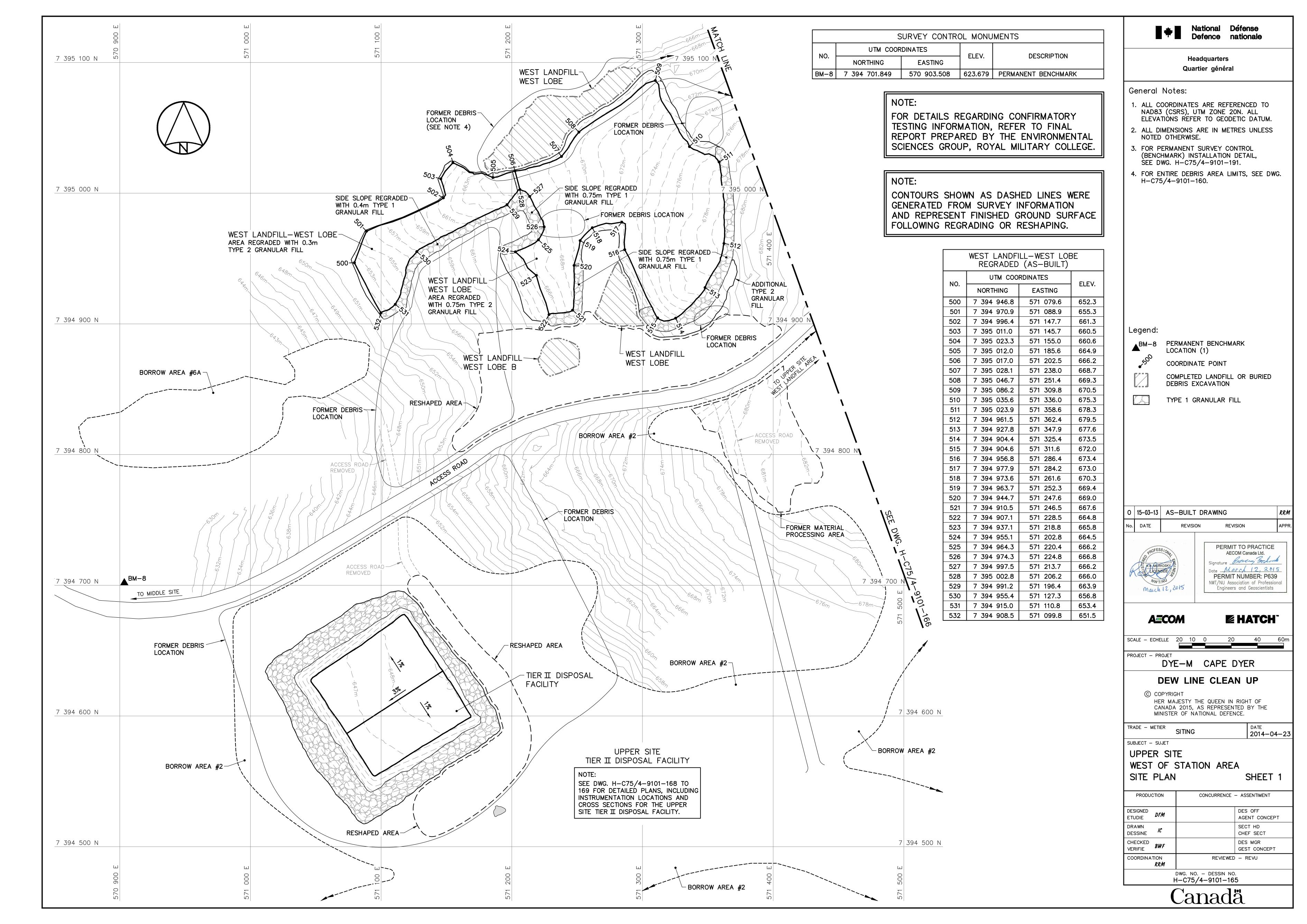
RRM

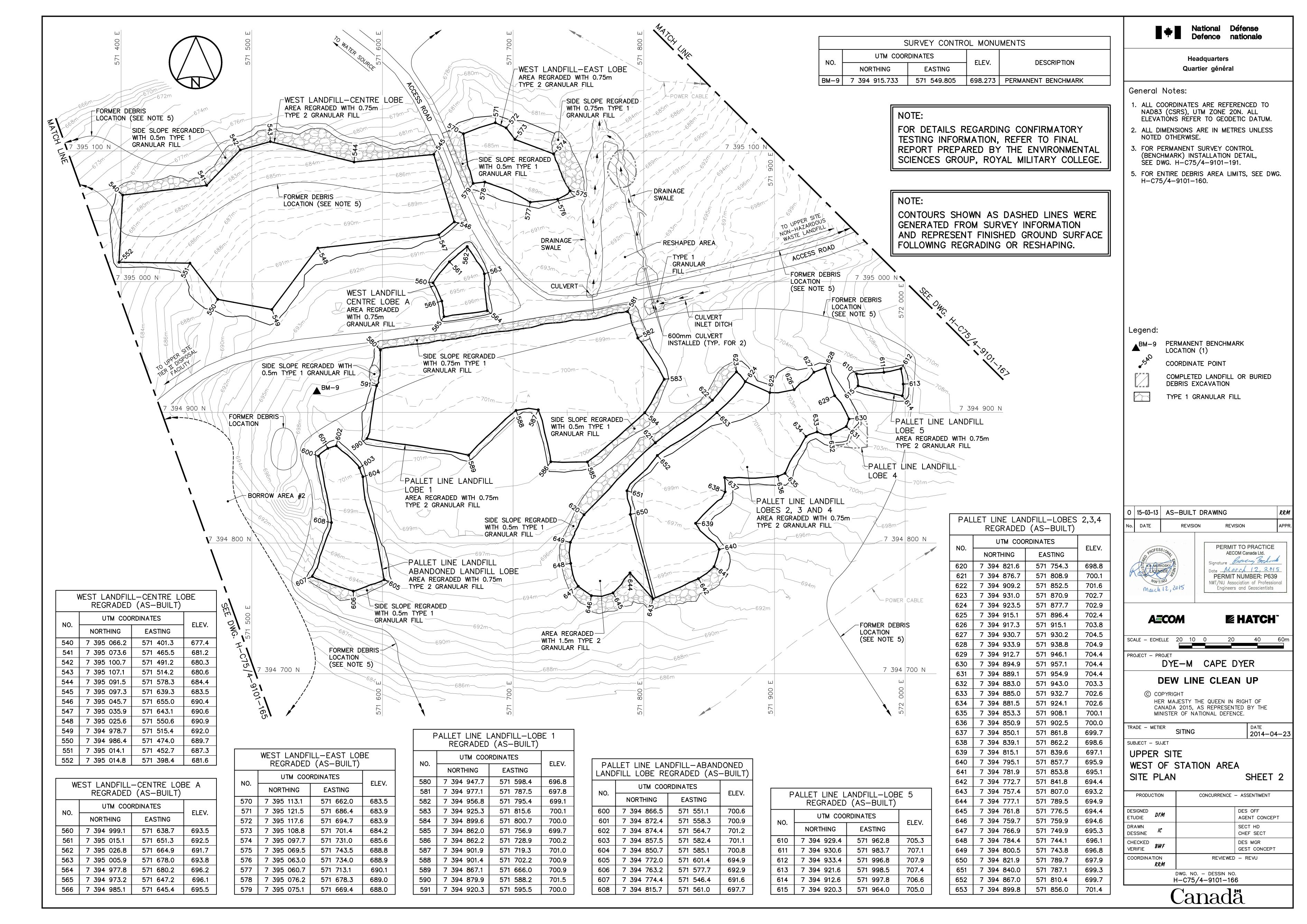
CONCURRENCE - ASSENTIMENT PRODUCTION DESIGNED DES OFF ETUDIE AGENT CONCEPT DRAWN SECT HD DESSINE CHEF SECT CHECKED VERIFIE **BWF** DES MGR GEST CONCEPT COORDINATION REVIEWED — REVU

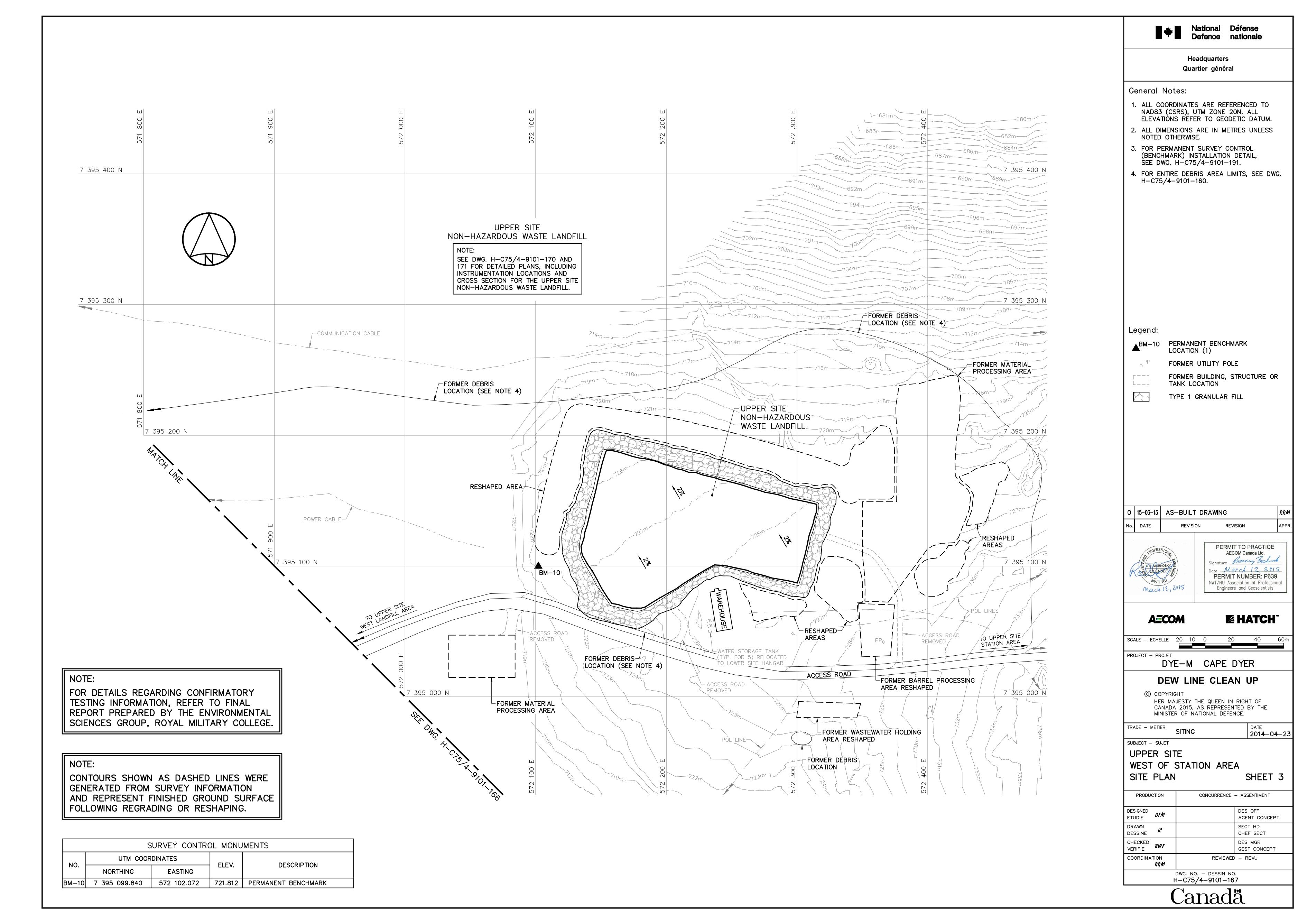
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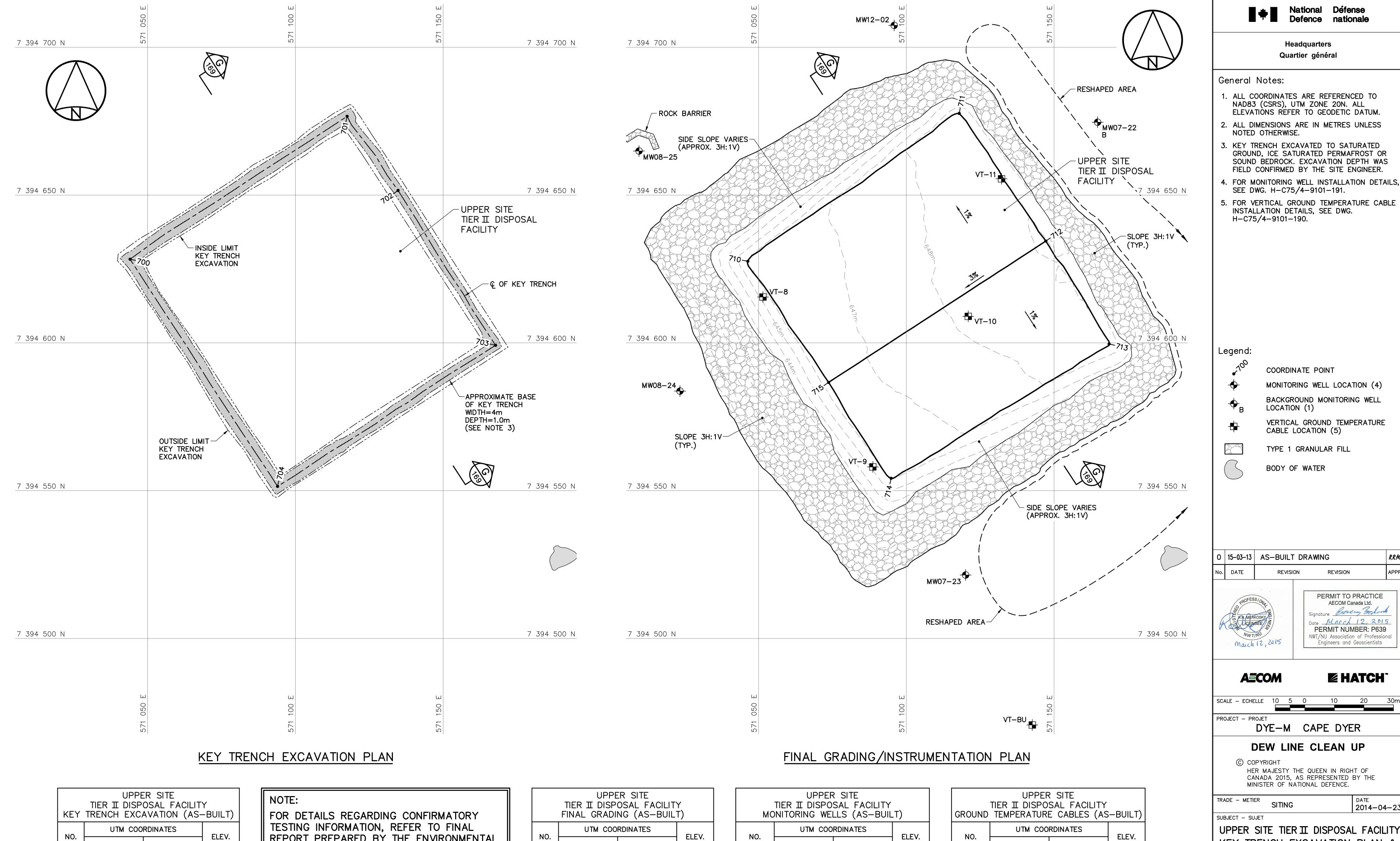












NORTHING

7 394 634.4

7 394 554.2

710 7 394 627.6

711 7 394 677.6

713 7 394 599.6

715 7 394 586.6

712

EASTING

571 046.4

571 117.9

571 147.2

571 168.6

571 094.9

571 073.7

646.0

648.6

649.1

648.8

646.0

646.6

REPORT PREPARED BY THE ENVIRONMENTAL

SCIENCES GROUP, ROYAL MILITARY COLLEGE.

CONTOURS SHOWN AS DASHED LINES WERE

AND REPRESENT FINISHED GROUND SURFACE

GENERATED FROM SURVEY INFORMATION

FOLLOWING REGRADING OR RESHAPING.

NORTHING

7 394 628.3

7 394 676.7

7 394 651.6

7 394 599.2

7 394 551.5

700

701

EASTING

571 044.1

571 117.5

571 134.8

571 167.7

571 094.0

637.5

642.4

644.0

642.4

637.3

NOTE:

UTM COORDINATES NO. ELEV. NO. NORTHING **EASTING** MW07-22 7 394 674.6 571 164.7 648.5 7 394 521.5 638.2 MW07-23 571 120.1 VT-9 MW08-24 7 394 583.7 571 023.4 636.1 VT-10 571 009.6 635.1 7 394 664.9 MW12-02 7 394 707.4 642.3 571 095.9 VT-BU

| UPPER SITE | | | |
|-----------------------------------|-----------------|---------|--|
| TIER II DISPOSAL FACILITY | | | |
| TEMPORARY MONITORING WELL REMOVED | | | |
| NO. | UTM COORDINATES | | |
| INO. | NORTHING | EASTING | |

MW09-22A 7 394 677.2 571 162.4

UTM COORDINATES ELEV. NORTHING **EASTING** 7 394 615.5 571 051.5 645.4 7 394 558.0 571 088.7 645.5 648.2 7 394 609.0 571 121.0 7 394 655.5 648.9 571 132.2 7 394 470.7 636.9 571 142.6

> CHECKED VERIFIE **BWF** DES MGR GEST CONCEPT REVIEWED - REVU

DYE-M CAPE DYER

KEY TRENCH EXCAVATION PLAN &

GRADING/INSTRUMENTATION PLAN

PRODUCTION

ETUDIE

DRAWN

DESSINE

CONCURRENCE - ASSENTIMENT

DES OFF

SECT HD

CHEF SECT

AGENT CONCEPT

National Défense Defence nationale

Headquarters

Quartier général

COORDINATE POINT

CABLE LOCATION (5)

BODY OF WATER

TYPE 1 GRANULAR FILL

LOCATION (1)

MONITORING WELL LOCATION (4)

BACKGROUND MONITORING WELL

VERTICAL GROUND TEMPERATURE

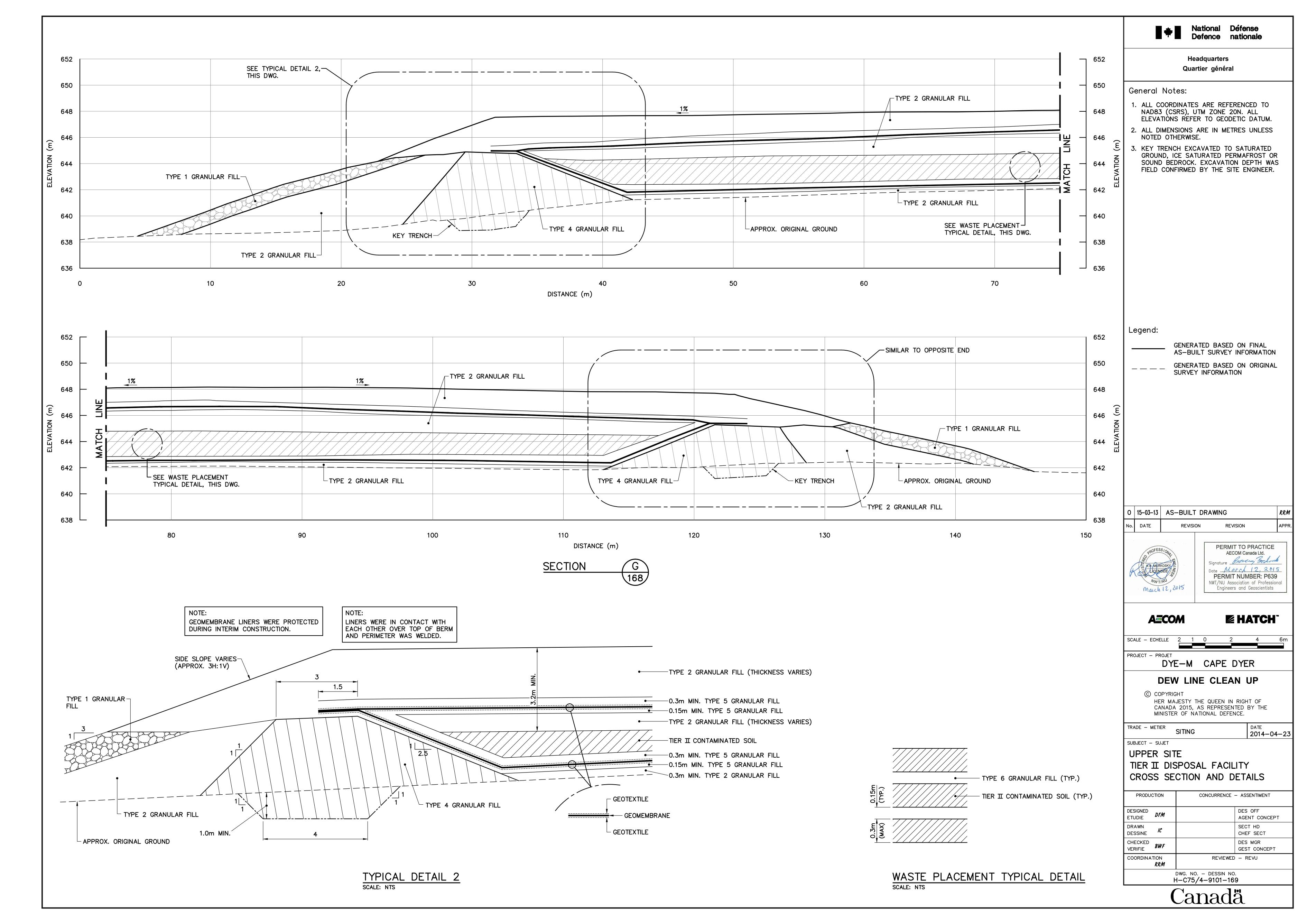
PERMIT TO PRACTICE AECOM Canada Ltd.

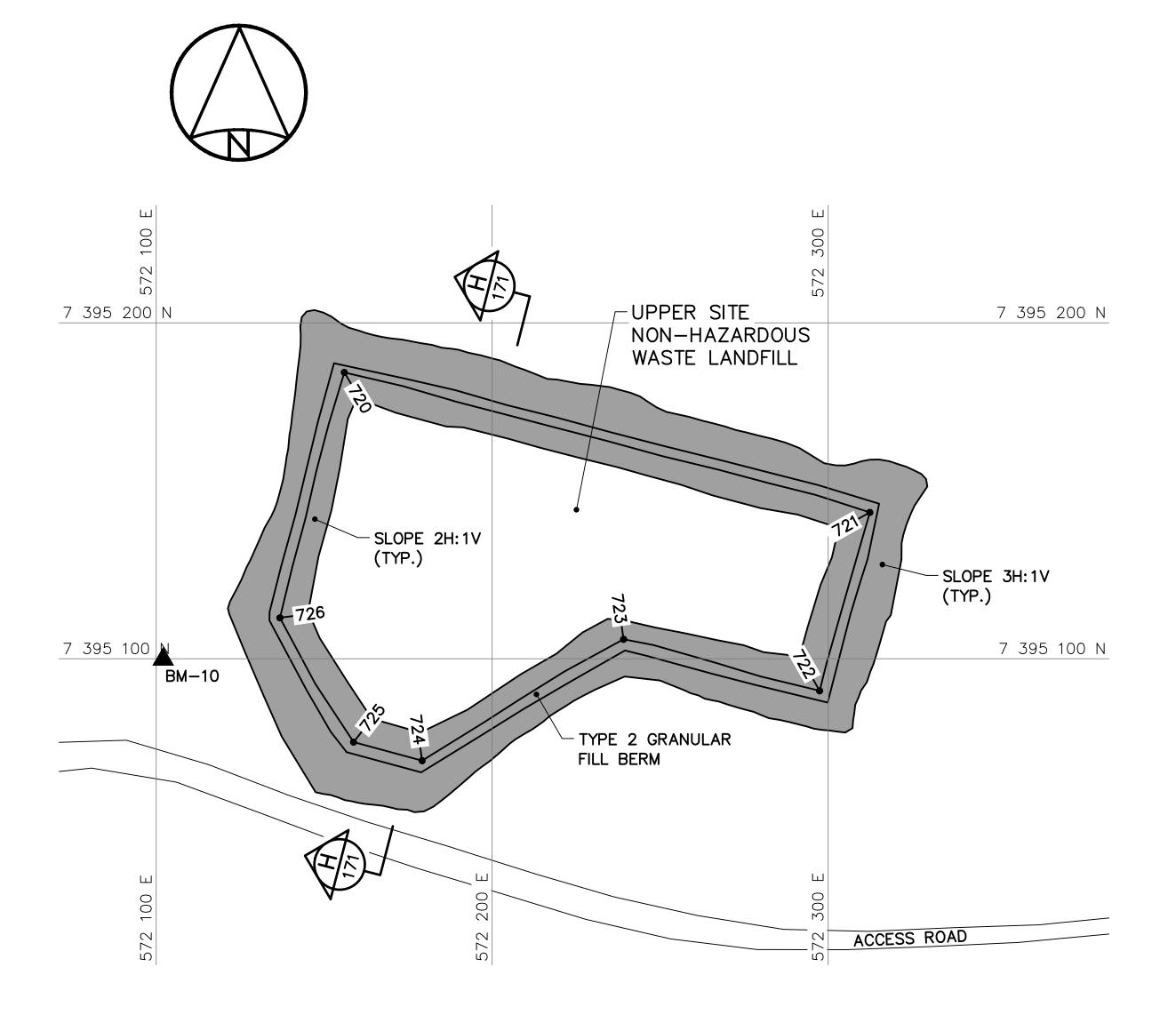
Engineers and Geoscientists

HATCH

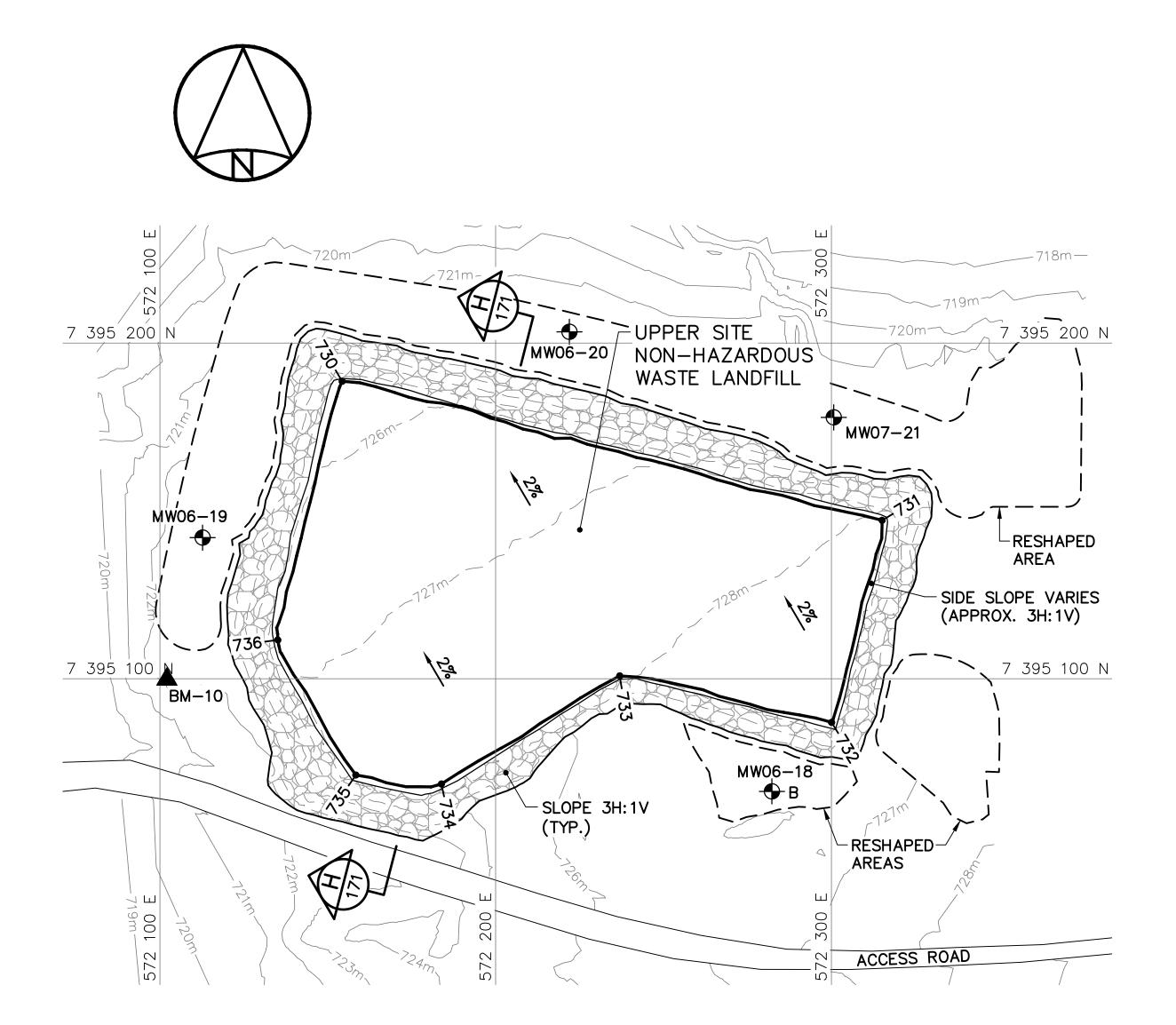
2014-04-23

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





BERM CONSTRUCTION PLAN



FINAL GRADING/INSTRUMENTATION PLAN

| UPPER SITE | |
|------------------------------|---|
| NON-HAZARDOUS WASTE LANDFILI | l |
| BERM CONSTRUCTION (AS-BUILT) | |
| LITAL COORDINATES | |

| BERM CONSTRUCTION (AS-BUILT) | | | |
|------------------------------|-------------|-----------|--------|
| NO. | UTM COO | RDINATES | ELEV. |
| NO. | NORTHING | EASTING | ELE V. |
| 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 |

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.

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

| NO. | UTM COO | | |
|-----|-------------|-----------|-------|
| | NORTHING | EASTING | ELEV. |
| 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 |
| | | | |

| NON- MO | | | |
|------------|-------------|-----------|-------|
| NO | UTM COO | RDINATES | ELEV. |
| NO. | NORTHING | EASTING | |
| 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 COOR | DINATES | ELEV. | DESCRIPTION | | |
| NO. | NORTHING EASTING | | LLL V. | DESCRIPTION | | |
| 3M-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.

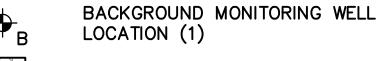
Legend:

▲BM-10

PERMANENT BENCHMARK LOCATION (1)

COORDINATE POINT

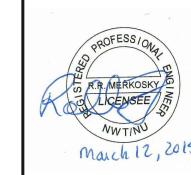
MONITORING WELL LOCATION (3)



TYPE 1 GRANULAR FILL

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

 No.
 DATE
 REVISION
 REVISION
 AP



PERMIT TO PRACTICE
AECOM Canada Ltd.

Signature Barry Belians

Date March 12, 2015

PERMIT NUMBER: P639

NWT/NU Association of Professional Engineers and Geoscientists

AECOM

EHATCH

SCALE - ECHELLE 20 10 0 20 40

PROJECT - PROJET

DYE-M CAPE DYER

DEW LINE CLEAN UP

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TRADE - METIER

SUBJECT - SUJET

UPPER SITE NON-HAZARDOUS WASTE

DATE 2014-04-23

LANDFILL BERM CONSTRUCTION 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 RRM | | 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 70 20 30 50 60 10 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 MATCH** 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 VERIFIE 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 - TIEF | RI 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 | RII 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 | | | | |

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

| TABLE 2 VERTICAL GROUND TEMPERATURE CABLE INSTALLATION | | | | | |
|--|---|---|--|--|--|
| INSTRUMENT No. | APPROXIMATE DEPTH BELOW FINAL GRADE (m) | COMMENTS | | | |
| LOWER SITE - TIER II DISPOSAL FACILITY | | | | | |
| VT-BL | 8.20 | BACKGROUND MONITORING LOCATION UNDISTURBED TUNDRA | | | |
| UPPER SITE - TIER II DISPOSAL FACILITY | | | | | |
| VT-BU | 8.80 | BACKGROUND MONITORING LOCATION UNDISTURBED TUNDRA | | | |

Legend:

PROJECT - PROJET

TRADE - METIER

SUBJECT - SUJET

SHEET 1

PRODUCTION

DESIGNED

ETUDIE

DRAWN

DESSINE

CHECKED VERIFIE **BWF**

COORDINATION

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NOTED OTHERWISE.

COORDINATE TABLES.

General Notes:

National Défense Defence nationale

Headquarters

Quartier général

1. ALL DIMENSIONS ARE IN METRES UNLESS

2. LOCATIONS OF INSTRUMENTATION ARE SHOWN ON THE DRAWINGS, INCLUDING

- LOCKING CAP WITH LOCK -DATA LOGGER WEATHERPROOF HOUSING FOR DATA LOGGER c/w GROUNDING ROD AND WIRE - GROUNDING WIRE -SOIL MOUNDED TO PROMOTE DRAINAGE AWAY FROM CASING -APPROX. TOP OF TYPE 2 GRANULAR FILL - GROUNDING ROD CEMENT GROUT BETWEEN DATA HOUSING AND ORIGINAL GROUND (AS REQUIRED) AND INSIDE GEOMEMBRANE LINER WITH -0.3m TYPE 5 GRANULAR FILL ABOVE AND 0.15m **BELOW** - 200mm HDPE BOOT (CLAMP AND SEAL) APPROX. ORIGINAL → GROUND APPROX. LIMIT OF EXCAVATION (BACKFILLED AND COMPACTED **ÈVENLY AROUND PIPE)** - 50mm DIA. STEEL, PVC PIPE THERMISTOR CABLE FILTER SAND -**WATERTIGHT**

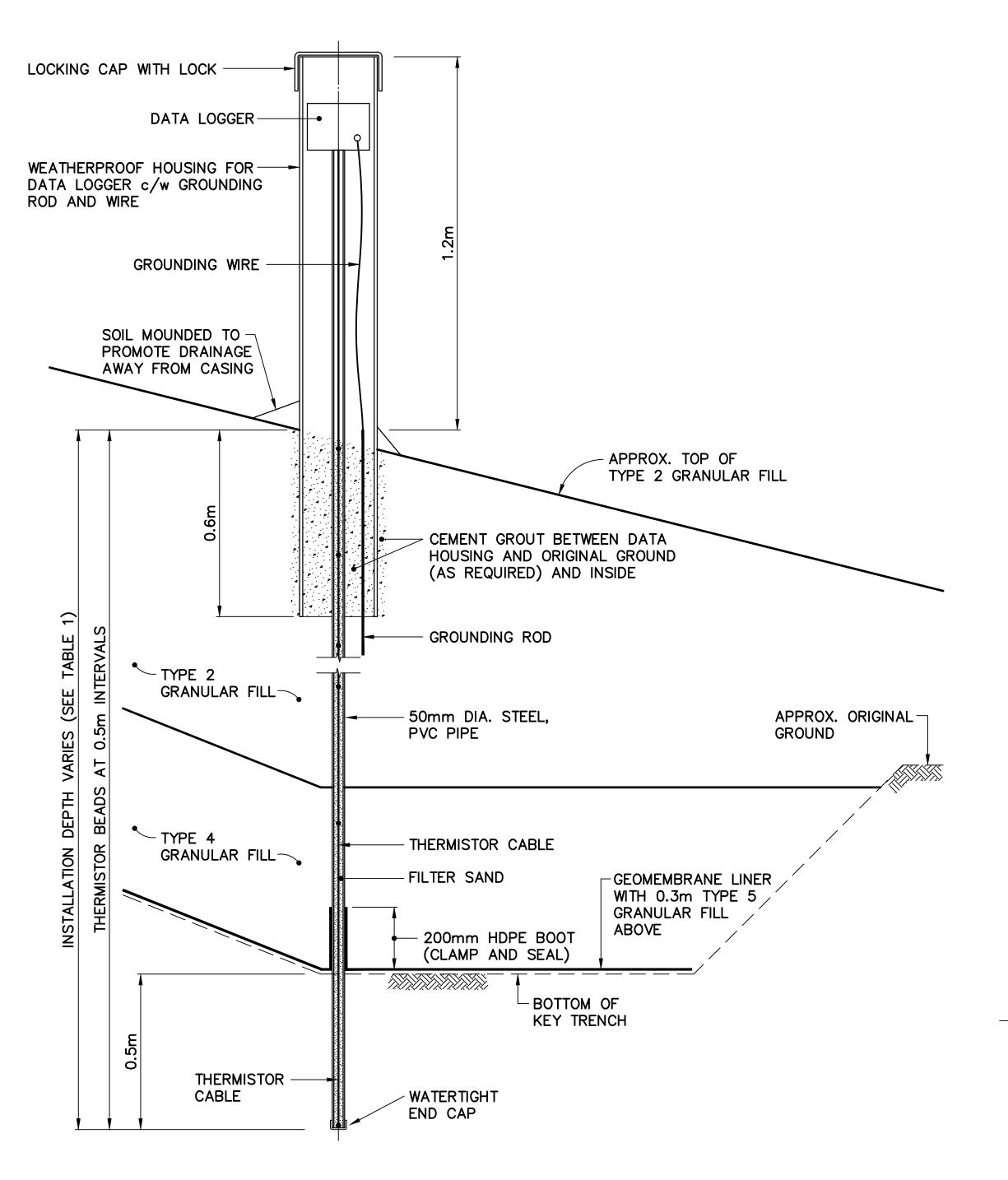
* NOTE:

OF TYPE 1 GRANULAR FILL.

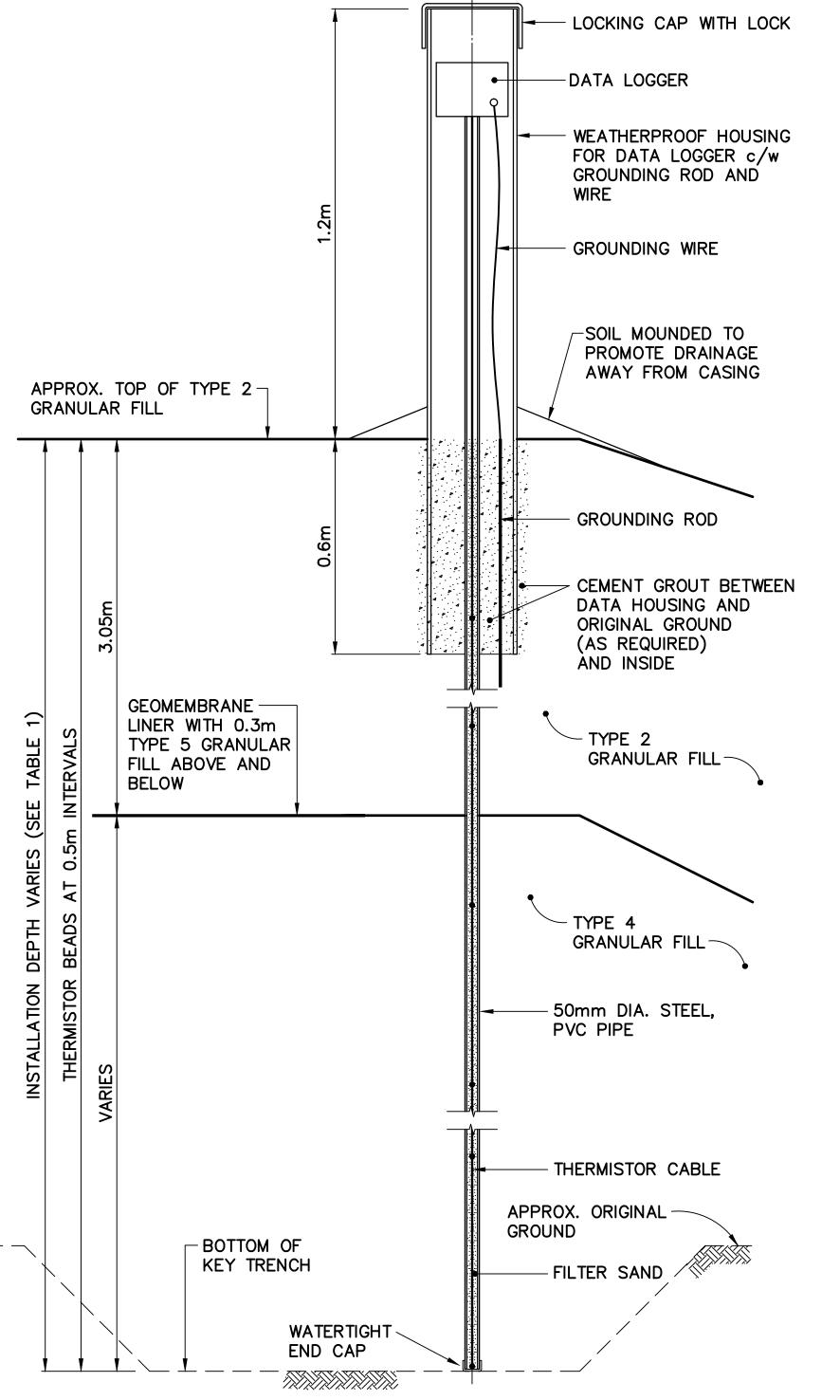
TYPICAL VERTICAL GROUND TEMPERATURE CABLE INSTALLATION - PLATEAU

END CAP

VT-2, VT-3, VT-5, VT-6 AND VT-10



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

0 | 15-03-13 | AS-BUILT DRAWING No. DATE REVISION REVISION PERMIT TO PRACTICE AECOM Canada Ltd. Signature Braning Bedent Date March 12, 2015 PERMIT NUMBER: P639 NWT/NU Association of Professional Engineers and Geoscientists **AECOM HATCH** SCALE - ECHELLE AS SHOWN

DYE-M CAPE DYER

DEW LINE CLEAN UP

HER MAJESTY THE QUEEN IN RIGHT OF CANADA 2015, AS REPRESENTED BY THE

CONCURRENCE - ASSENTIMENT

REVIEWED - REVU

DES OFF

SECT HD

CHEF SECT

DES MGR

GEST CONCEPT

AGENT CONCEPT

2014-04-23

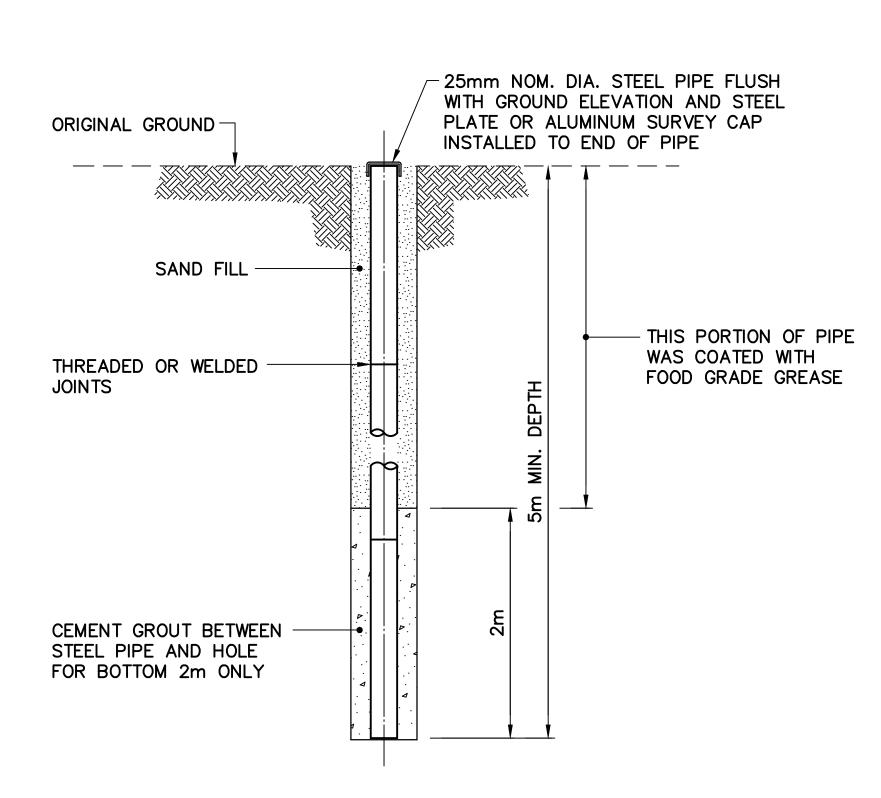
MINISTER OF NATIONAL DEFENCE.

MISCELLANEOUS DETAILS

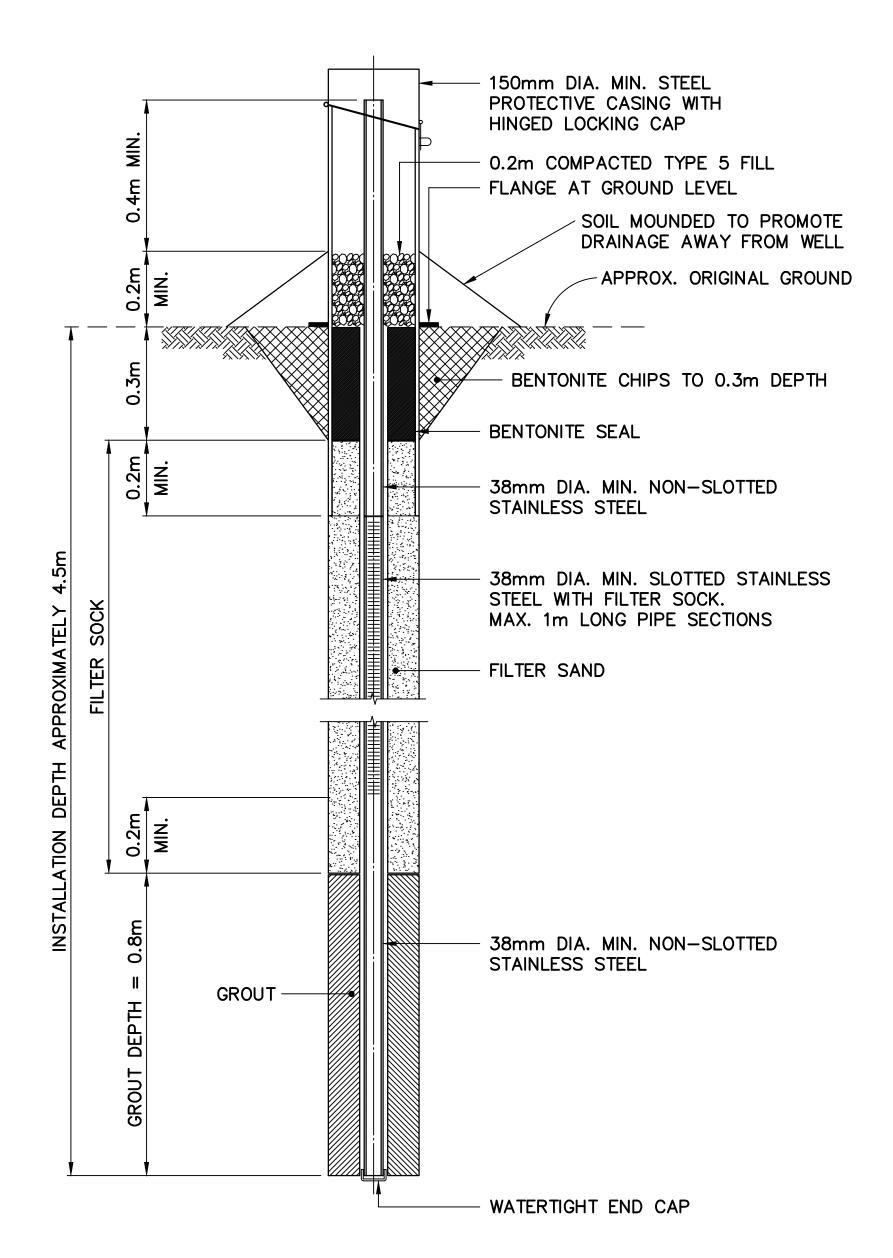
DWG. NO. - DESSIN NO. H-C75/4-9101-190 Canadä

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

> 11 PERMANENT SURVEY CONTROL MONUMENTS INSTALLED.



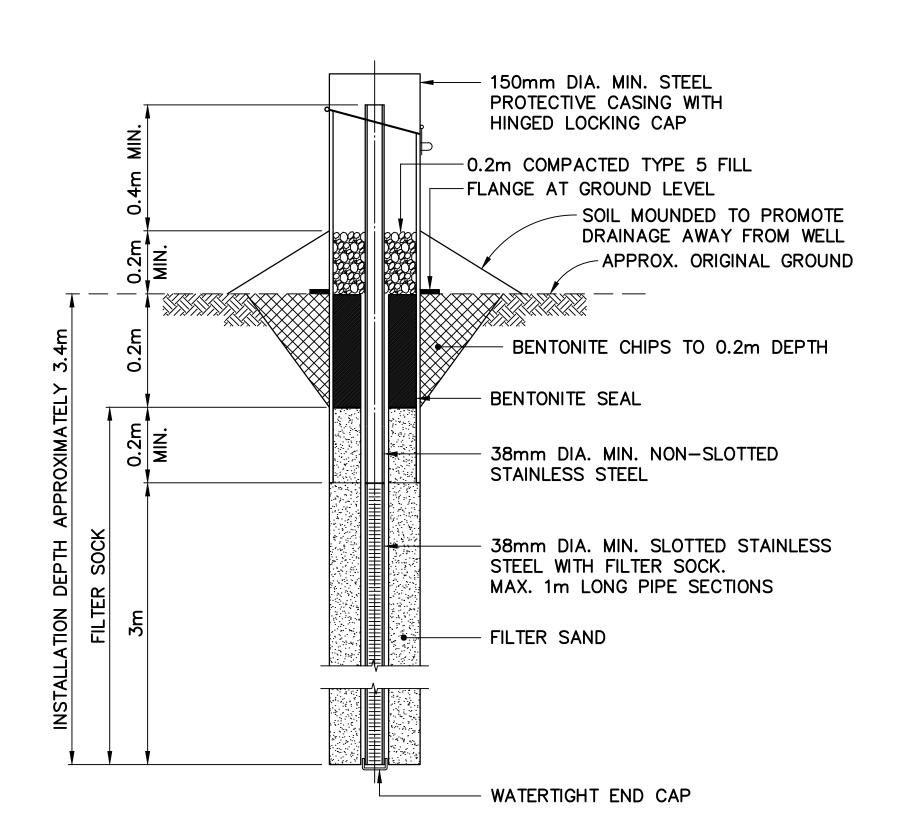
TYPICAL PERMANENT SURVEY CONTROL MONUMENT (BENCHMARK) SCALE: NTS



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

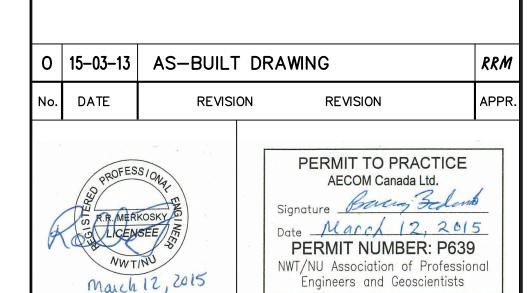
National Défense Defence nationale

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:



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HATCH

SCALE - ECHELLE AS SHOWN PROJECT - PROJET

DEW LINE CLEAN UP

DYE-M CAPE DYER

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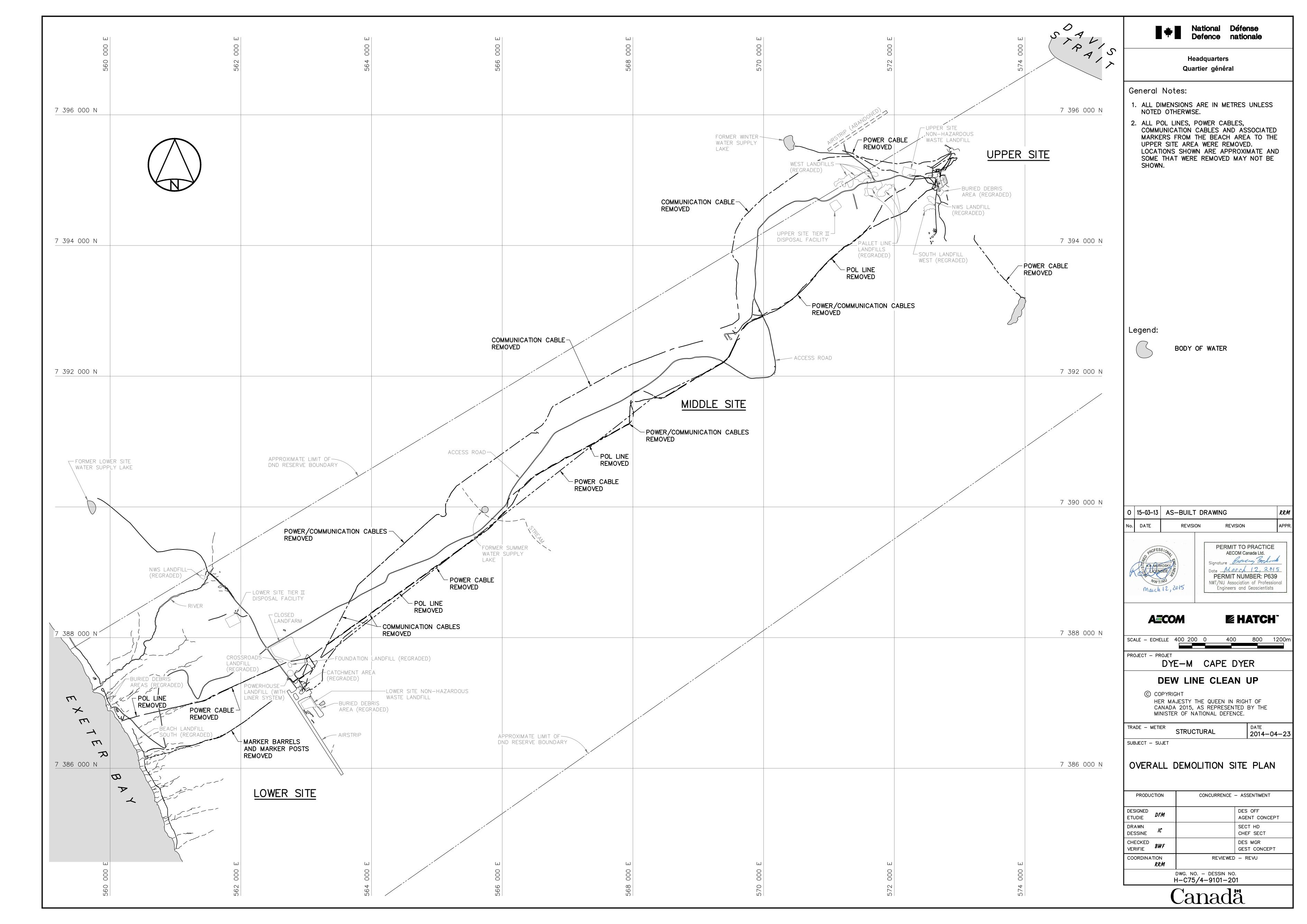
CANADA 2015, AS REPRESENTED BY THE MINISTER OF NATIONAL DEFENCE. TRADE - METIER DATE 2014-04-23

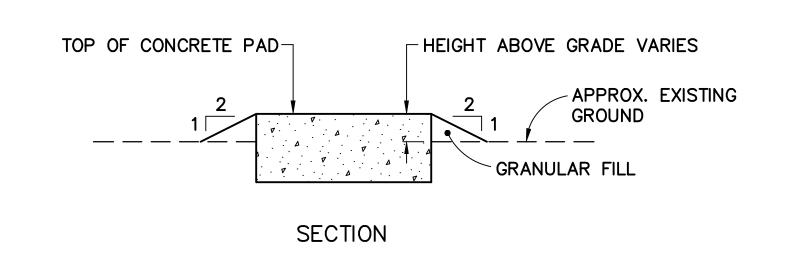
SUBJECT - SUJET

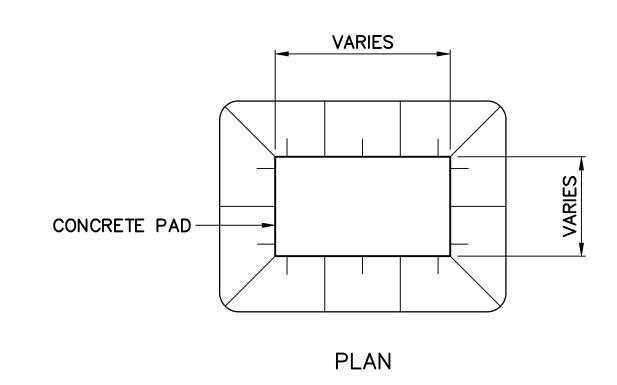
MISCELLANEOUS DETAILS SHEET 2

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

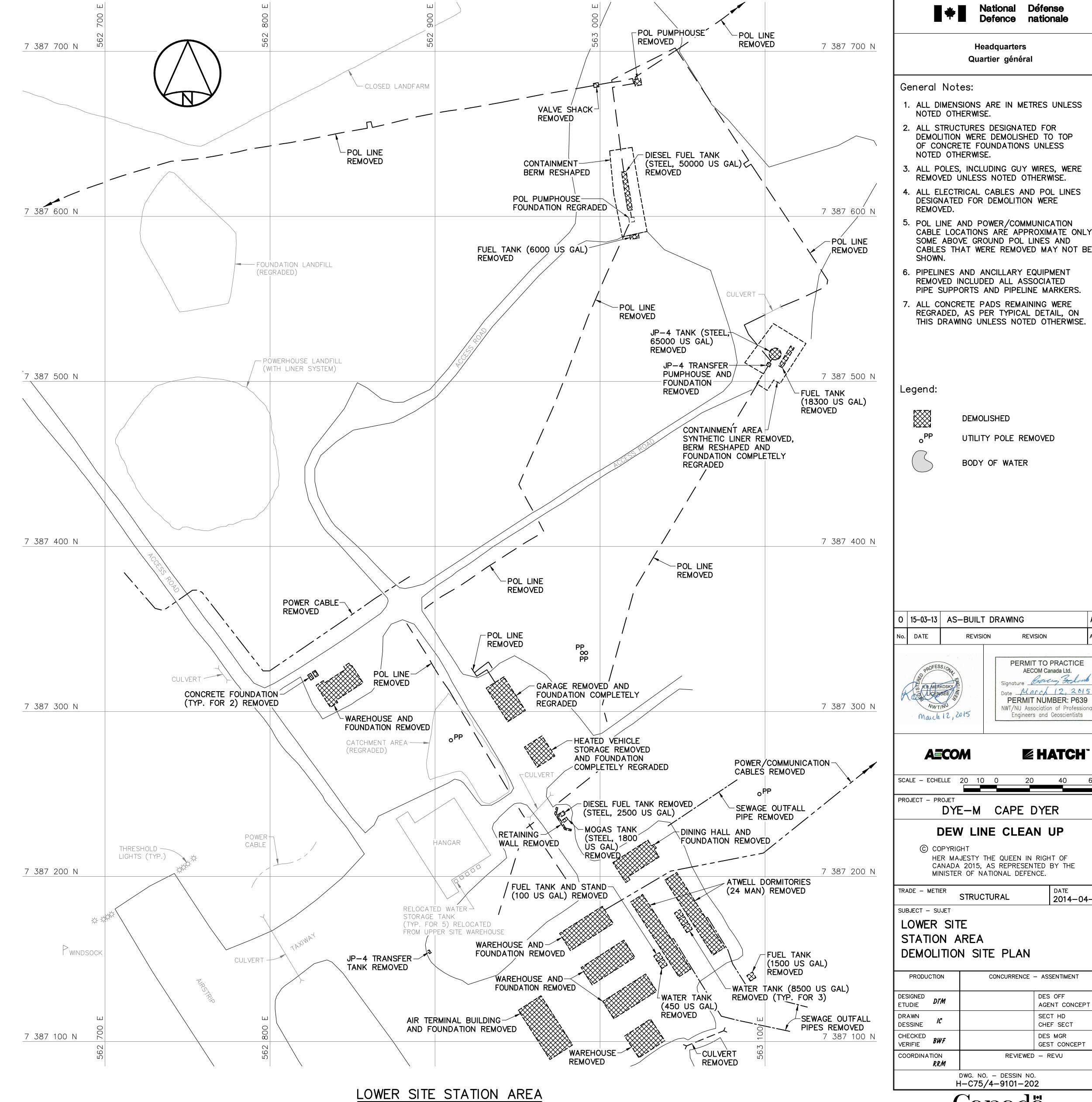
DWG. NO. - DESSIN NO. H-C75/4-9101-191







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
- REMOVED. 5. POL LINE AND POWER/COMMUNICATION CABLE LOCATIONS ARE APPROXIMATE ONLY. SOME ABOVE GROUND POL LINES AND
- 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.

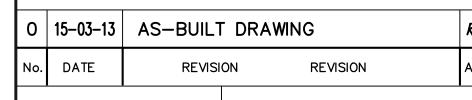
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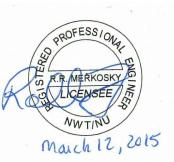
DEMOLISHED

UTILITY POLE REMOVED



BODY OF WATER





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

HATCH

2014-04-23

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SCALE - ECHELLE 20 10 0

DYE-M CAPE DYER

DEW LINE CLEAN UP

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

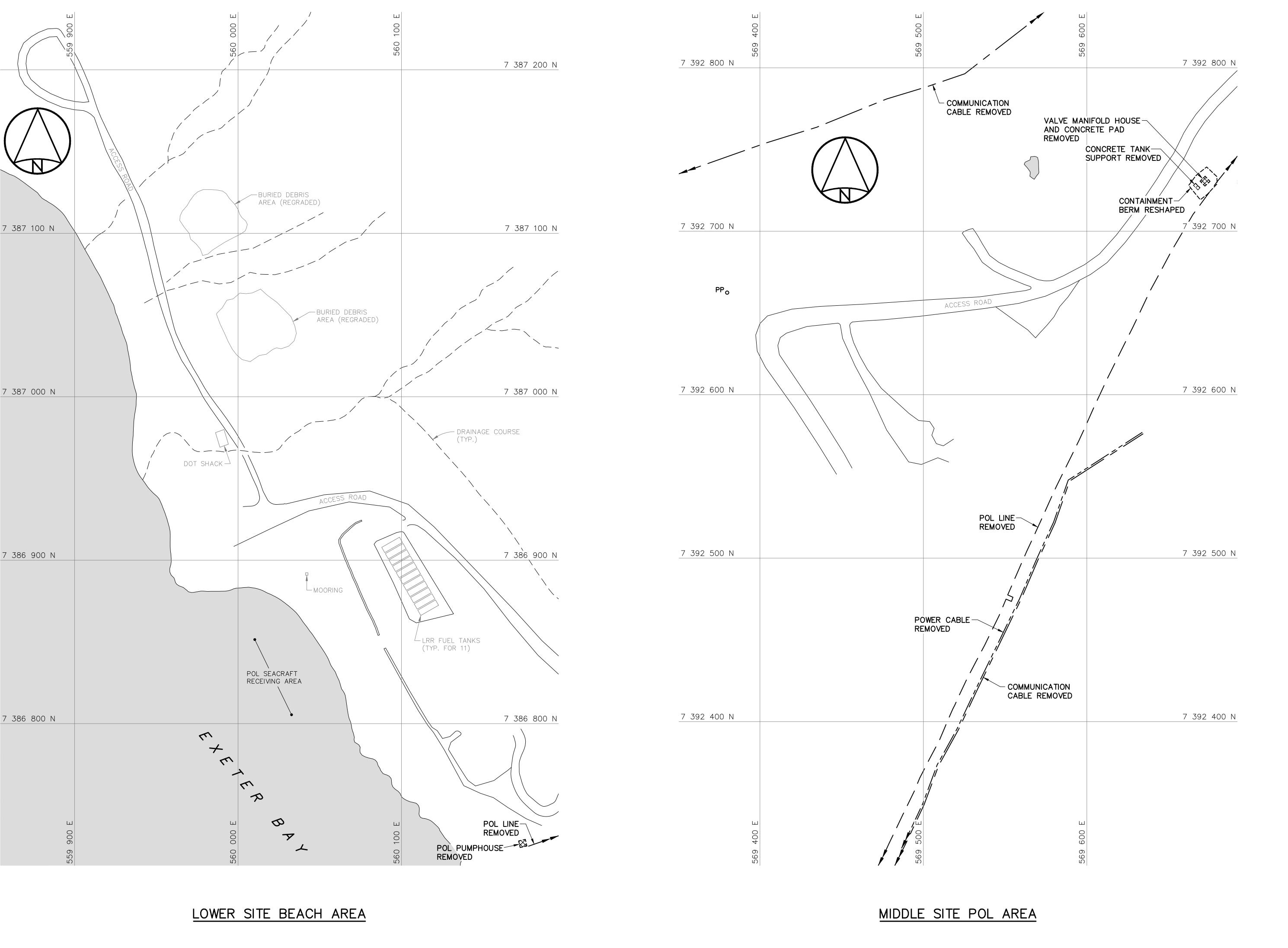
SUBJECT - SUJET

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





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



BODY OF WATER

UTILITY POLE REMOVED

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Engineers and Geoscientists

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DATE 2014-04-23

PROJECT - PROJET DYE-M CAPE DYER

DEW LINE CLEAN UP

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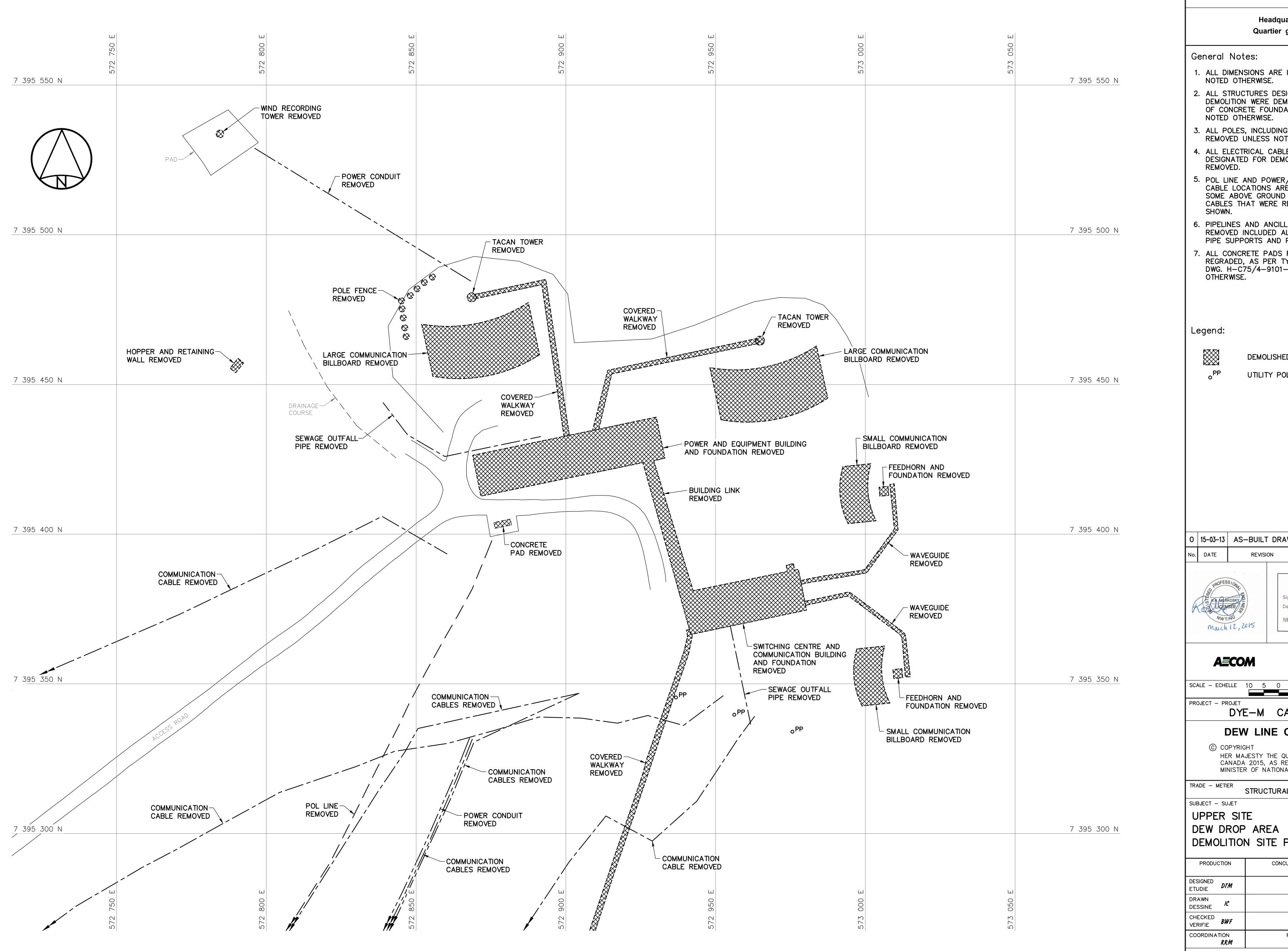
TRADE - METIER STRUCTURAL

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 | BWF | | DES MGR GEST CONCEPT |
| | COORDINATION RRM | | REVIEWED | – REVU |

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





Headquarters Quartier général

General Notes:

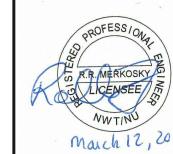
- 1. ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
- 2. ALL STRUCTURES DESIGNATED FOR DEMOLITION WERE DEMOLISHED TO TOP OF CONCRETE FOUNDATIONS UNLESS NOTED OTHERWISE.
- 3. ALL POLES, INCLUDING GUY WIRES, WERE REMOVED UNLESS NOTED OTHERWISE.
- 4. ALL ELECTRICAL CABLES AND POL LINES DESIGNATED FOR DEMOLITION WERE REMOVED.
- 5. POL LINE AND POWER/COMMUNICATION CABLE LOCATIONS 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 UNLESS NOTED OTHERWISE.

Legend:

DEMOLISHED

UTILITY POLE REMOVED

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PROJECT - PROJET DYE-M CAPE DYER

DEW LINE CLEAN UP

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TRADE - METIER STRUCTURAL

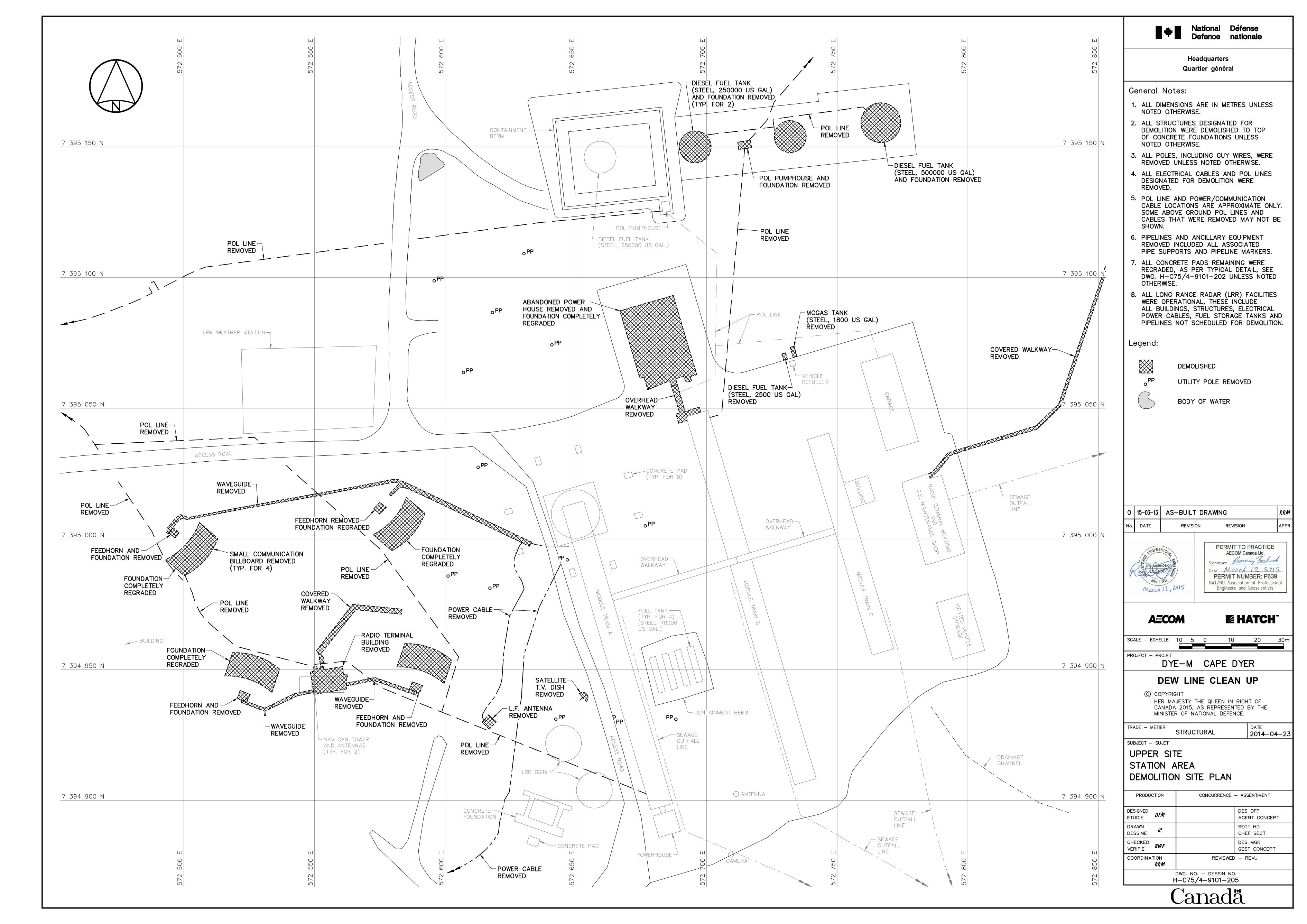
SUBJECT — SUJET

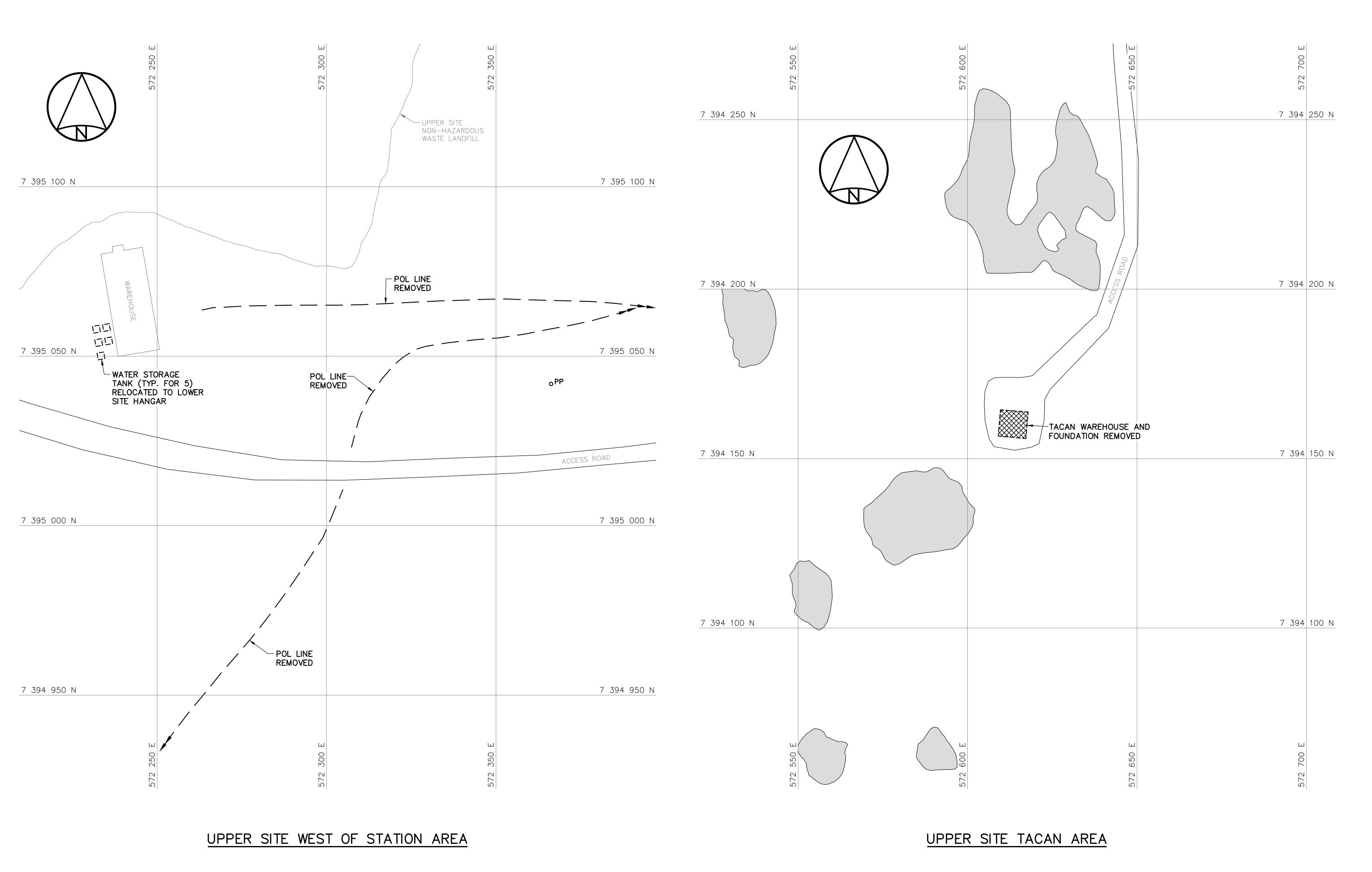
UPPER SITE DEW DROP AREA DEMOLITION SITE PLAN

CONCURRENCE - ASSENTIMENT PRODUCTION DES OFF DESIGNED ETUDIE AGENT CONCEPT DRAWN SECT HD DESSINE CHEF SECT CHECKED BWF DES MGR

VERIFIE COORDINATION

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





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National Défense Defence nationale

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:

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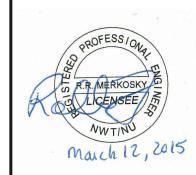
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UTILITY POLE REMOVED



BODY OF WATER

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Date March 12, 2015

PERMIT NUMBER: P639

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DATE 2014-04-23

PROJECT - PROJET

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TRADE - METIER STRUCTURAL

SUBJECT - SUJET

UPPER SITE WEST OF STATION AND TACAN AREAS DEMOLITION SITE PLANS

PRODUCTION

CONCURRENCE - ASSENTIMENT

DESIGNED DTM
ETUDIE DTM

DES OFF
AGENT CONCEPT

SECT HD
CHEF SECT

CHECKED DES MGR
VERIFIE DES MGR
GEST CONCEPT

COORDINATION

REVIEWED - REVU

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