

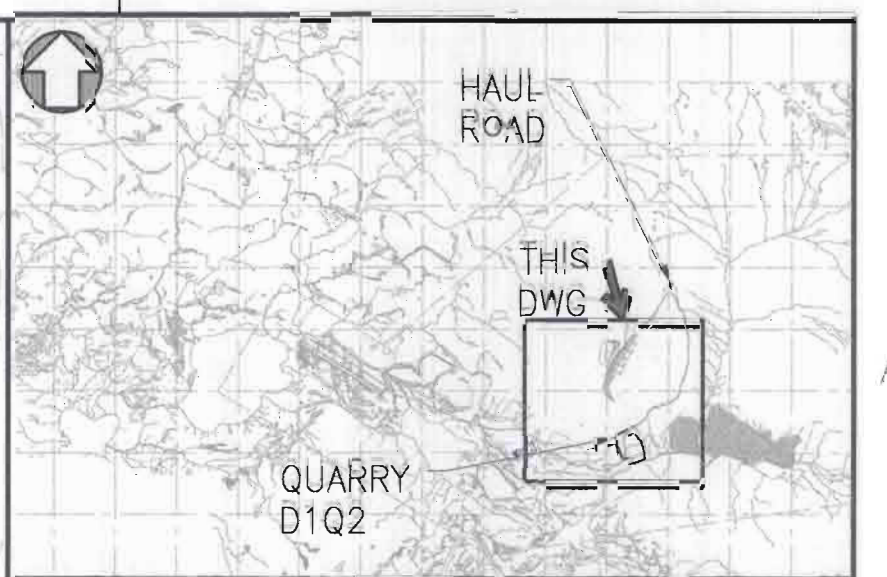
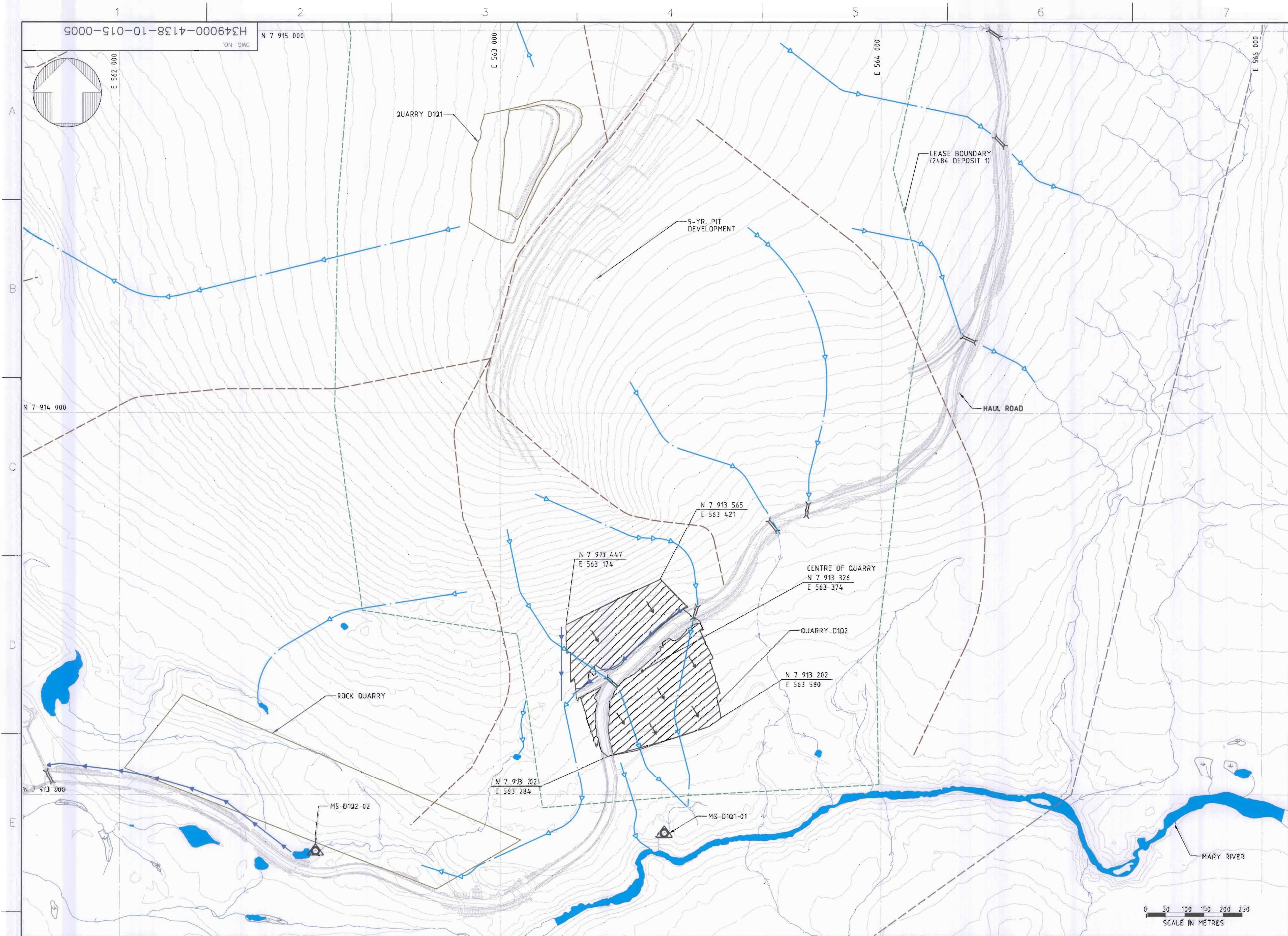
- LEGEND:**
- EXISTING WATERBODY
 - PROPOSED FOOTPRINT OF QUARRY AREA
 - EIS BOUNDARY
 - LEASE BOUNDARY (2484 DEPOSIT 1)
 - EXISTING BOUNDARIES FOR QUARRY AREAS AND ROCK QUARRY LOCATIONS
 - EXISTING STREAM
 - OVERLAND FLOW PATH
 - EXISTING DRAINAGE TO BE DIVERTED/ABANDONED
 - SURFACE DRAINAGE DIVERSION
 - INTERNAL SURFACE DRAINAGE
 - RIDGE LINE (HIGH POINT)
 - PROPOSED CULVERT
 - EXISTING CULVERT (LOCATION APPROXIMATE)
 - PROPOSED WATER QUALITY MONITORING LOCATION (MS-D1Q1-01)

- NOTES:**
- TOPOGRAPHY PROVIDED BY TERRAPOINT CANADA INC.
 - COORDINATE GRID IS SHOWN IN UTM (NAD83) ZONE 17 AND IS IN METRES.
 - CONTOURS ARE IN METRES. CONTOUR INTERVAL IS 10 METRES.
 - AS-CONSTRUCTED INFORMATION PROVIDED BY GENIVAR IN 2008.



FOR PERMITTING

PERMIT TO PRACTICE HATCH LTD. Signature: <i>[Signature]</i> Date: 17 Oct 13 PERMIT NUMBER: P 512 (The Association of Professional Engineers, Geologists and Geophysicists of NWT)		REGISTERED PROFESSIONAL ENGINEER M. M. S. HASSAN LICENSEE P. E. N. T. N. U.		HATCH DESIGNED BY: <i>[Signature]</i> DRAWN BY: <i>[Signature]</i> DATE 2013-10-10 DATE 2013-10-10 CHECKED BY: <i>[Signature]</i> DISCIP. ENGR. K. FALLAHIAN S. HASSAN DATE 2013-10-17 DATE 2013-10-17 PROJ. DES. COORD. PROJ. ENGR. T. THERTELL J. CLELAND DATE 2013-10-17 DATE 2013-10-17 PROJ. MGR. S. PERR DATE 2013-10-17		Baffinland MARY RIVER PROJECT MINE SITE QUARRY D1Q1 DRAINAGE PLAN DWG. NO. H349000-4138-10-015-0004 ORIGINAL SHEET SIZE: 159 A1 (841 x 594)	
REFERENCE DRAWINGS H349000-4138-10-015-0003 MINE SITE-ROCK QUARRY/BORROW AREA NO.2- DRINKAGE PLAN H349000-4000-10-012-0146 TOTE ROAD-STA. 167+150 TO 167+850-PLAN AND PROFILE H349000-4000-00-014-0001 MINE SITE-OVERALL SITE LAYOUT-GENERAL ARRANGEMENT H349000-4021-10-014-0001 MINE HAUL ROAD - OVERALL LAYOUT		REVISIONS NO. DESCRIPTION BY (S/N) DATE		ISSUE AUTHORIZATION FOR PERMITTING ISSUE FOR: <i>[Signature]</i> AUTH. BY: <i>[Signature]</i> DATE: 2013-10-17			



- KEY PLAN**
- LEGEND:**
- EXISTING WATERBODY
 - PROPOSED FOOTPRINT OF QUARRY AREA
 - EIS BOUNDARY
 - LEASE BOUNDARY (2484 DEPOSIT 1)
 - EXISTING BOUNDARIES FOR QUARRY AREAS AND ROCK QUARRY LOCATIONS
 - EXISTING STREAM
 - OVERLAND FLOW PATH
 - EXISTING DRAINAGE TO BE DIVERTED/ABANDONED
 - SURFACE DRAINAGE DIVERSION
 - INTERNAL SURFACE DRAINAGE
 - RIDGE LINE (HIGH POINT)
 - PROPOSED CULVERT
 - EXISTING CULVERT (LOCATION APPROXIMATE)
 - PROPOSED WATER QUALITY MONITORING LOCATION (MS-D1Q2-01)

- NOTES:**
- TOPOGRAPHY PROVIDED BY TERRAPoint CANADA INC.
 - COORDINATE GRID IS SHOWN IN UTM NAD83 ZONE 17 AND IS IN METRES.
 - CONTOURS ARE IN METRES. CONTOUR INTERVAL IS 10 METRES.
 - AS-CONSTRUCTED INFORMATION PROVIDED BY GENIVAR IN 2008.

0 50 100 150 200 250
SCALE IN METRES

FOR PERMITTING

DRAWING NO.	DRAWING TITLE
H349000-4138-10-015-0003	MINE SITE -- ROCK QUARRY/BORROW AREA NO.2--DRAINAGE PLAN
H349000-4000-10-014-0001	MINE SITE OVERALL LAYOUT -- GENERAL ARRANGEMENT
H349000-4221-10-014-0001	MINE HAUL ROAD -- OVERALL LAYOUT

PERMIT TO PRACTICE
HATCH LTD.
Signature: [Signature]
Date: 17/01/13
PERMIT NUMBER: P 512
The Association of Professional Engineers,
Geologists and Geophysicists of NW TNU

NO.	DESCRIPTION	BY	CHK'D	APP'D	DATE

HATCH

DESIGNED BY: [Signature] CHECKED BY: [Signature] DATE 2013-10-10
G. JUBINVILLE G. JUBINVILLE
DATE 2013-10-10 DATE 2013-10-10
K. FALLAH S. HASSAN
DATE 2013-10-17 DATE 2013-10-17
T. THERIAULT J. CLELAND
DATE 2013-10-17 DATE 2013-10-17
S. PERRY
DATE 2013-10-17

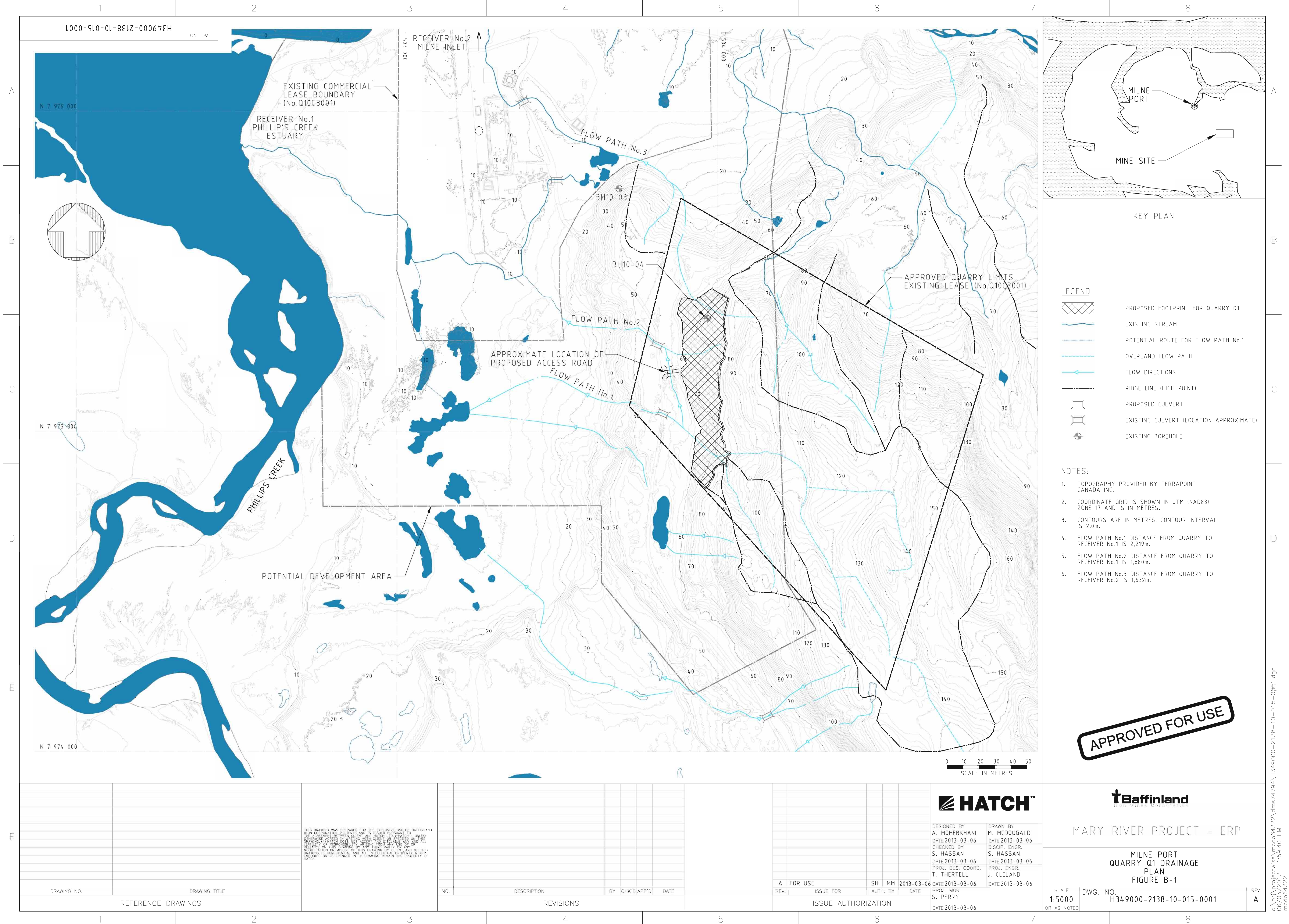
Baffinland

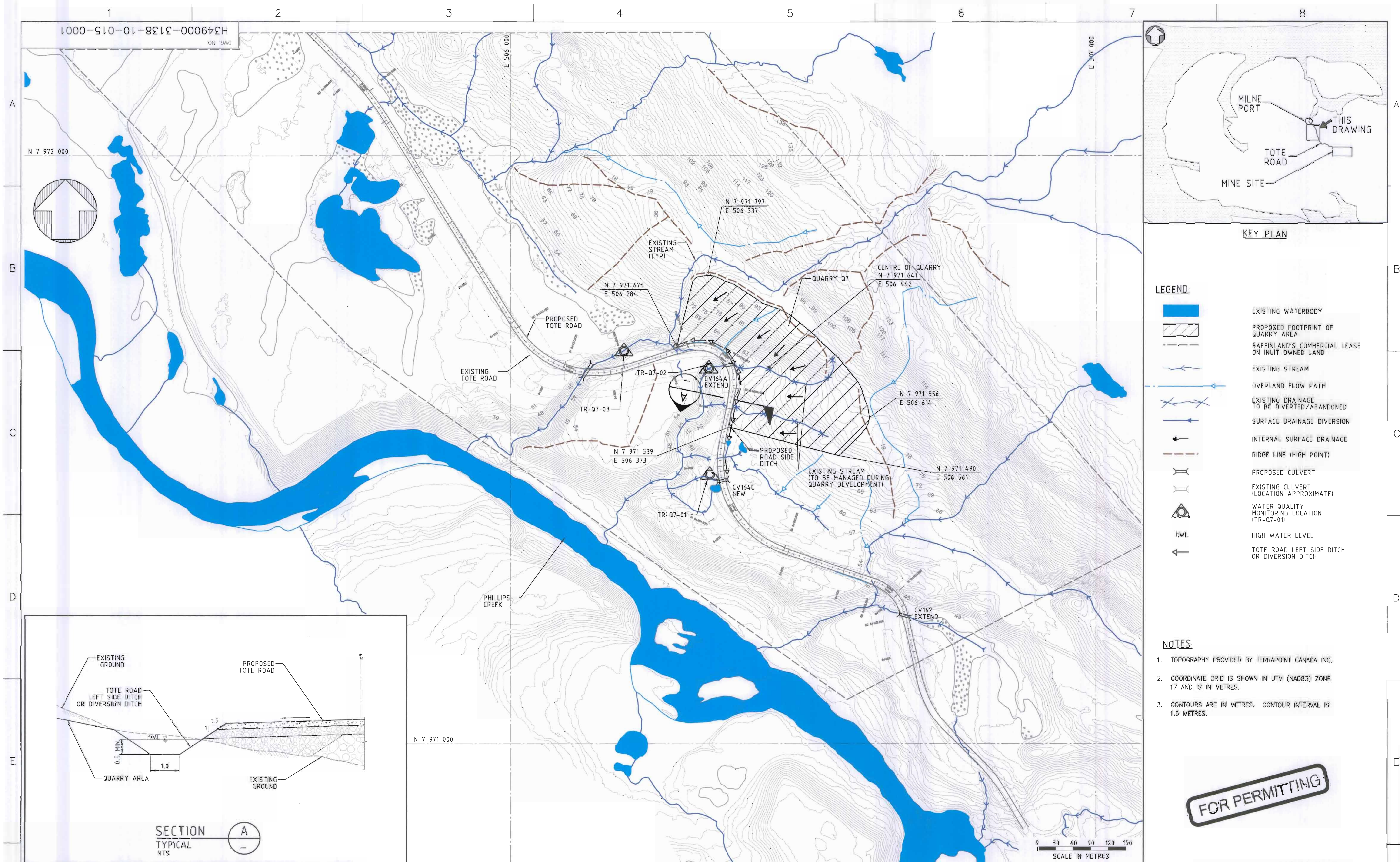
MARY RIVER PROJECT

MINE SITE
QUARRY D1Q2
DRAINAGE PLAN

DWG. NO.
H349000-4138-10-015-0005

ORIGINAL SHEET SIZE: ISO A1 (841 x 594)





FOR PERMITTING

NOTES:

1. TOPOGRAPHY PROVIDED BY TERRAPOINT CANADA INC.
2. COORDINATE GRID IS SHOWN IN UTM (NAD83) ZONE 17 AND IS IN METRES.
3. CONTOURS ARE IN METRES. CONTOUR INTERVAL IS 1.5 METRES.

MARY RIVER PROJECT

TOTE ROAD
QUARRY Q7
DRAINAGE PLAN

SCALE 1:3000	DWG. NO. H349000-3138-10-015-0001
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ORIGINAL SHEET SIZE: ISO A1 (841 x 594)

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H349000-3000-10-D12-0009	TOTE ROAD STA. 5+600 TO 6+500 - PLAN AND PROFILE
H549000-5000-10-D12-0008	TOTE ROAD STA. 4+900 TO 5+600 - PLAN AND PROFILE
H549000-5000-10-D12-0007	TOTE ROAD STA. 4+200 TO 4+900 - PLAN AND PROFILE
DRAWING NO.	DRAWING TITLE
REFERENCE DRAWINGS	

PERMIT TO PRACTICE
MATCH LTD.
Signature: *[Signature]*
Date: *17 Oct 13*
PERMIT NUMBER: IP 512
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Geologists and Geophysicists of NWT/NU

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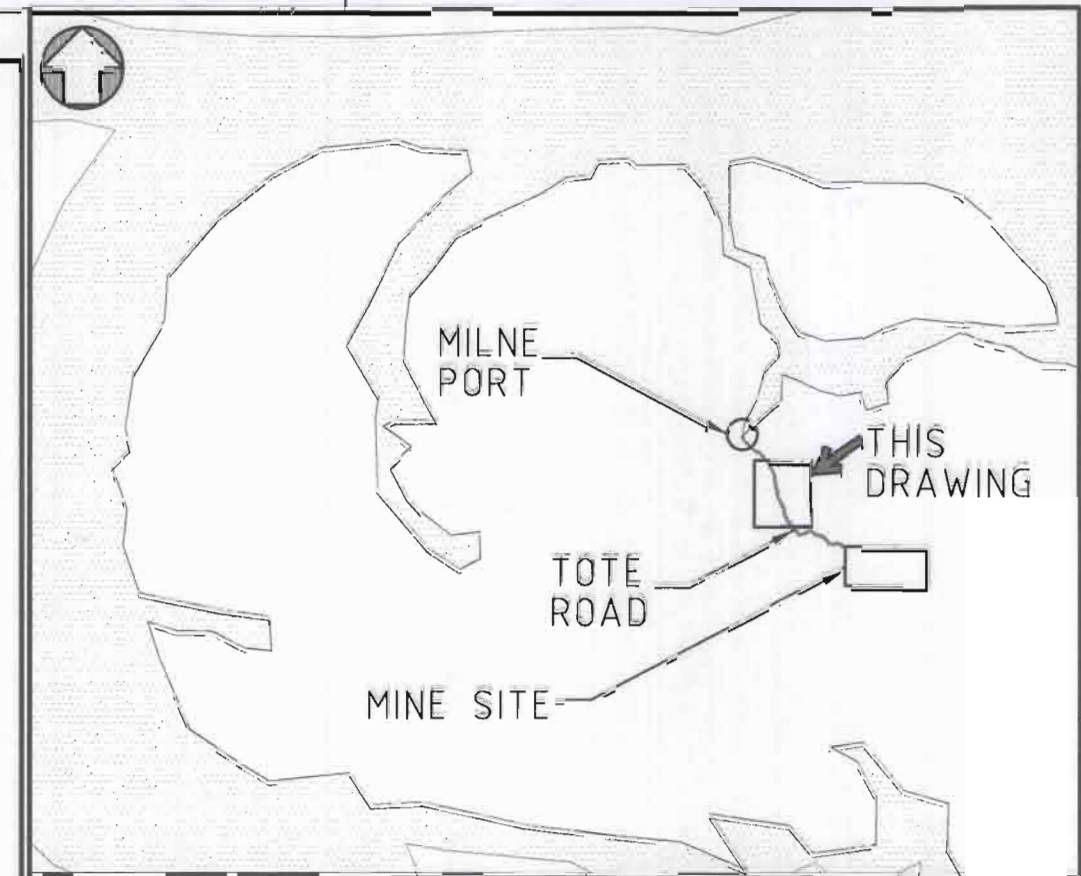
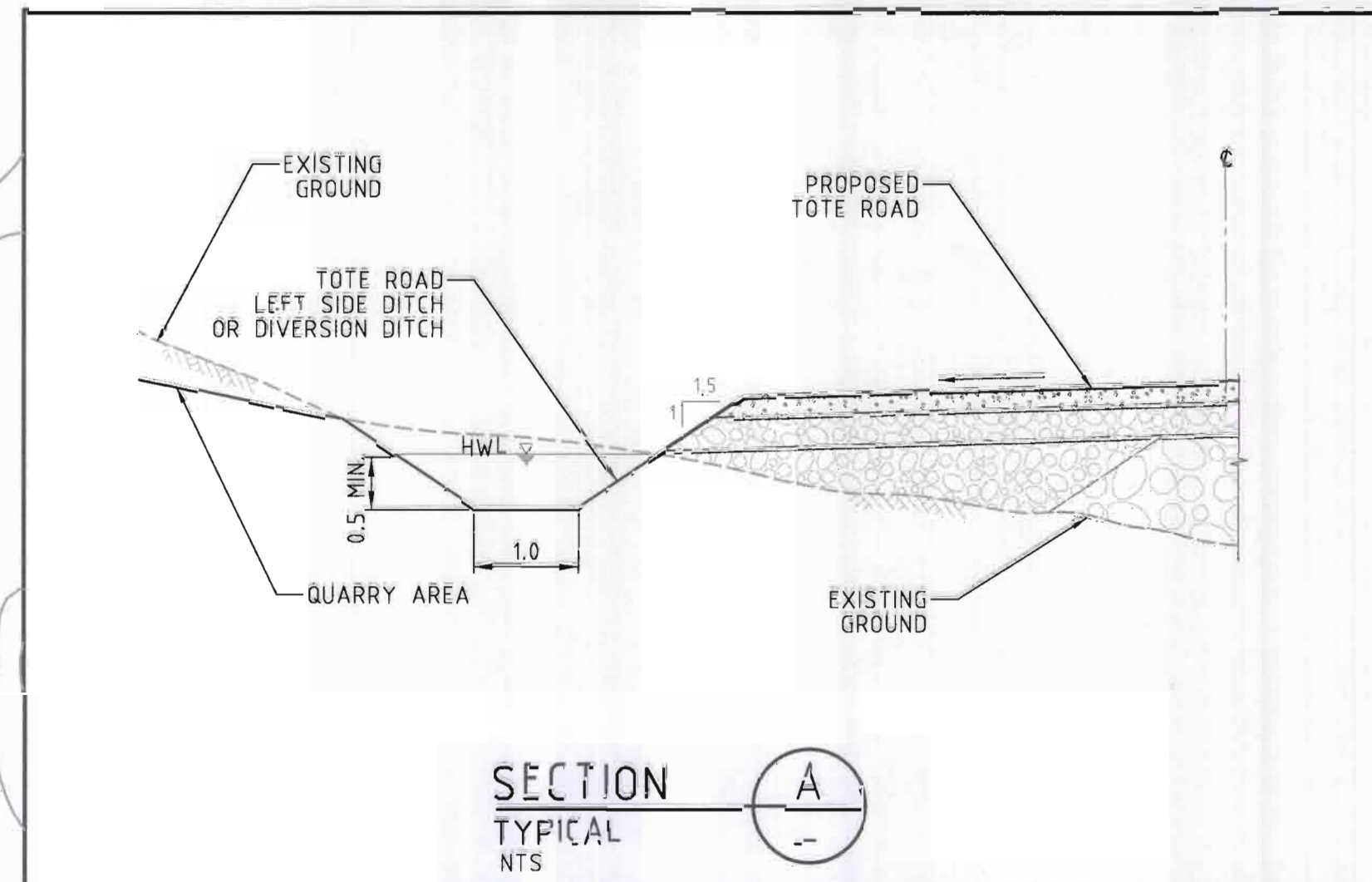
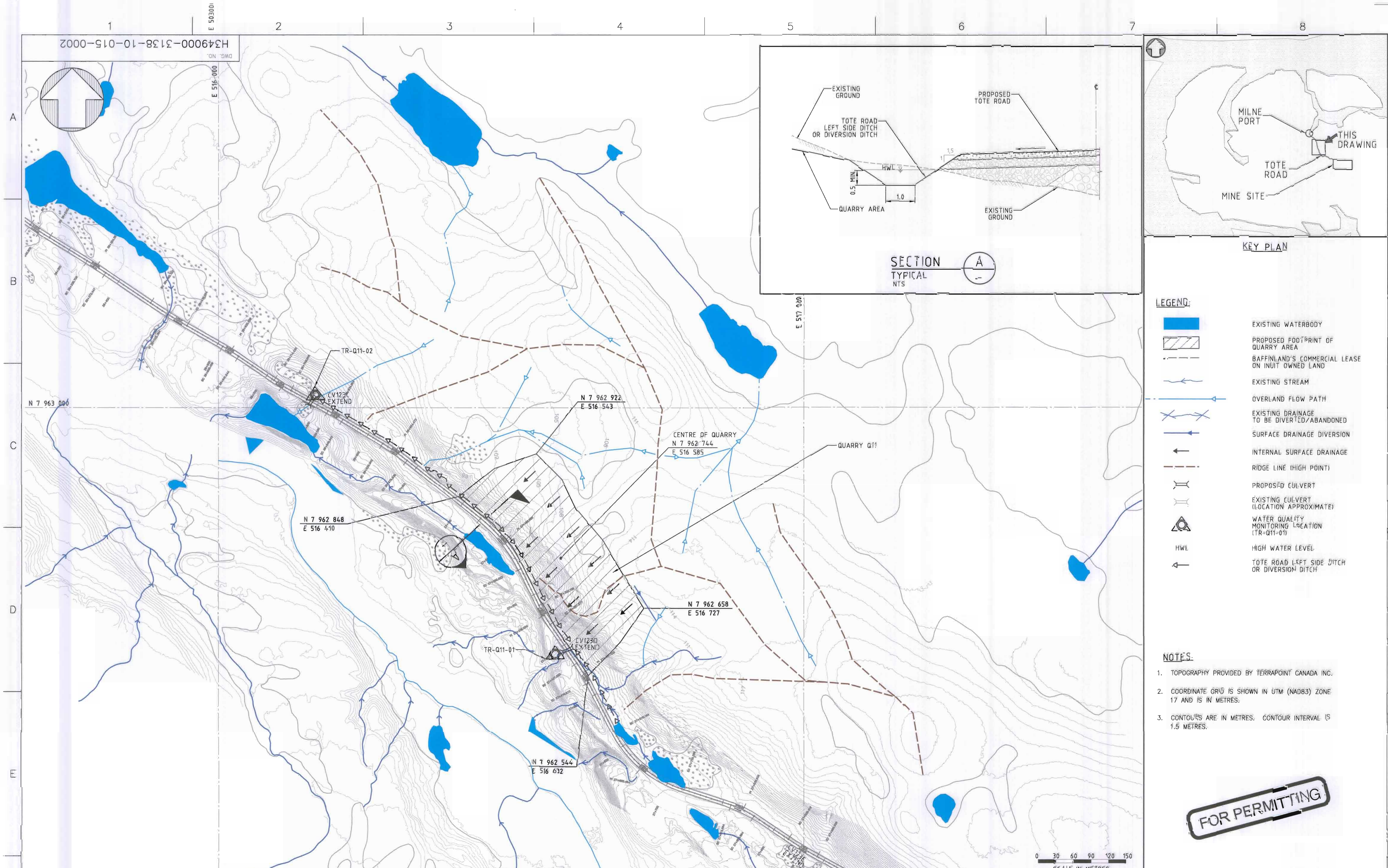
HATCH™

DESIGNED BY J. KITYNSKA	DRAWN BY J. KITYNSKA
DATE 2013-10-10	DATE 2013-10-10
CHECKED BY K. FALLAHI	DISCIP. ENGR. S. HASSAN
DATE 2013-10-17	DATE 2013-10-17
PRGJ. DES. COORD. T. THERTELL	PRGJ. EXGR. J. CLELAND
DATE 2013-10-17	DATE 2013-10-17
PRGJ. MGR. S. PERRY	
DATE 2013-10-17	

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REV.	ISSUE FOR	AUTH.	BY
ISSUE AUTHORIZATION			

SCALE	1:3000
OR AS NOTED	

REV.
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- LEGEND:**
- EXISTING WATERBODY
 - PROPOSED FOOTPRINT OF QUARRY AREA
 - BAFFINLAND'S COMMERCIAL LEASE ON INUIT OWNED LAND
 - EXISTING STREAM
 - OVERLAND FLOW PATH
 - EXISTING DRAINAGE TO BE DIVERTED/ABANDONED
 - SURFACE DRAINAGE DIVERSION
 - INTERNAL SURFACE DRAINAGE
 - RIDGE LINE (HIGH POINT)
 - PROPOSED CULVERT
 - EXISTING CULVERT (LOCATION APPROXIMATE)
 - WATER QUALITY MONITORING LOCATION (TR-Q11-01)
 - HWL
 - TOTE ROAD LEFT SIDE DITCH OR DIVERSION DITCH

- NOTES:**
- TOPOGRAPHY PROVIDED BY TERRAPOINT CANADA INC.
 - COORDINATE GRID IS SHOWN IN UTM (NAD83) ZONE 17 AND IS IN METRES.
 - CONTOURS ARE IN METRES. CONTOUR INTERVAL IS 1.5 METRES.

FOR PERMITTING



MARY RIVER PROJECT

TOTE ROAD
QUARRY Q11
DRAINAGE PLAN

DRAWING NO.	DRAWING TITLE
H349000-3000-10-012-0030	TOTE ROAD - STA. 27+450 TO 28+150 - PLAN AND PROFILE
H349000-3000-10-012-0029	TOTE ROAD - STA. 26+750 TO 27+450 - PLAN AND PROFILE
H349000-3000-10-012-0028	TOTE ROAD - STA. 26+050 TO 26+750 - PLAN AND PROFILE

PERMIT TO PRACTICE
HATCH LTD.
Signature: *[Signature]*
Date: 17/06/13
PERMIT NUMBER: P 512
The Association of Professional Engineers, Geologists and Geophysicists of NWT (NWTAGG)

NO.	DESCRIPTION	BY	CHK'D	APP'D	DATE



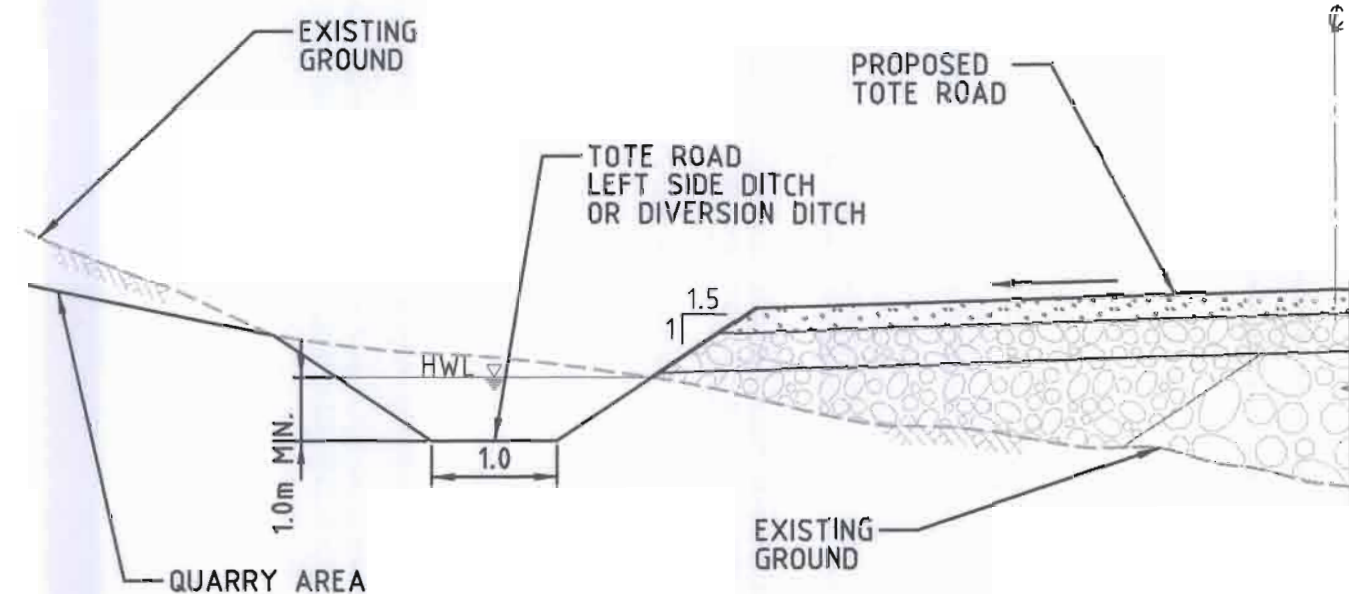
REV.	DESCRIPTION	DATE

DESIGNED BY: *[Signature]* DRAWN BY: *[Signature]*
I. KITYNISKA I. KITYNISKA
DATE 2013-10-11 DATE 2013-10-11
CHECKED BY: *[Signature]* DISCIP. ENGR.
K. FALLAH S. HASSAN
DATE 2013-10-17 DATE 2013-10-17
PROJ. MGR. PROJ. ENGR.
T. THERTELL J. OLEARY
DATE 2013-10-17 DATE 2013-10-17
PROJ. MGR.
S. PERRY
DATE 2013-10-17

SCALE: 1:3000
OR AS NOTED
DWG. NO. H349000-3138-10-015-0002
ORIGINAL SHEET SIZE: ISO A1 (841 x 594)

H349000-3138-10-015-0004

ON DWG



SECTION
TYPICAL
NTS

A
—

CENTRE OF QUARRY
N 7 915 063
E 554 574

QUARRY
Q 19

N 7 915 123
E 554 621

N 7 915 070
E 554 456

N 7 914 984
E 554 467

N 7 915 084
E 554 721

N 7 915 046
E 554 671

BG03A
REPLACE

KEY PLAN

LEGEND

- EXISTING WATERBODY
- PROPOSED FOOTPRINT OF QUARRY AREA
- BAFFINLAND'S COMMERCIAL LEASE ON INUIT OWNED LAND
- EXISTING STREAM
- OVERLAND FLOW PATH
- EXISTING DRAINAGE TO BE DIVERTED/ABANDONED
- SURFACE DRAINAGE DIVERSION
- INTERNAL SURFACE DRAINAGE
- RIDGE LINE (HIGH POINT)
- PROPOSED CULVERT
- EXISTING CULVERT (LOCATION APPROXIMATE)
- WATER QUALITY MONITORING LOCATION (TR-Q19-01)
- TOTE ROAD LEFT DITCH OR DIVERSION DITCH

NOTES:

- TOPOGRAPHY PROVIDED BY TERRAPOINT CANADA INC.
- COORDINATE GRID IS SHOWN IN UTM (NAD83) ZONE 17 AND IS IN METRES.
- CONTOURS ARE IN METRES. CONTOUR INTERVAL IS 1.5 METRES.

FOR PERMITTING

0 15 30 45 60 75
SCALE IN METRES

HATCH

Baffinland

MARY RIVER PROJECT

TOTE ROAD
QUARRY Q19
DRAINAGE PLAN

DWG. NO.
H349000-3138-10-015-0004

SCALE
1:1500
OR AS NOTED
ORIGINAL SHEET SIZE: ISO A1 (841 x 594)

PERMIT TO PRACTICE
HATCH LTD.

Signature: [Signature]

Date: 17/04/13

PERMIT NUMBER: P 512

The Association of Professional Engineers
Geologists and Geophysicists of NWT/NTNU



DESIGNED BY: D. SINGH
DATE: 2013-10-11
CHECKED BY: K. FALLAH
DATE: 2013-10-17
PROJECT: DES. COORD. T. THERIAULT
DATE: 2013-10-17
PROJECT: ENGR. S. HASSAN
DATE: 2013-10-17
PROJECT: ENGR. J. CLEGG
DATE: 2013-10-17
PROJECT: MGR. S. PERRY
DATE: 2013-10-17

FOR PERMITTING
ISSUE FOR: SH DS
AUTH. BY: [Signature]
DATE: 2013-10-17
ISSUE AUTHORIZATION

H349000-3000-10-012-0135
H349000-3000-10-012-0134
DRAWING NO.
DRAWING TITLE

REFERENCE DRAWINGS

NO. DESCRIPTION BY (SH/D/APP) DATE

REVISIONS

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