

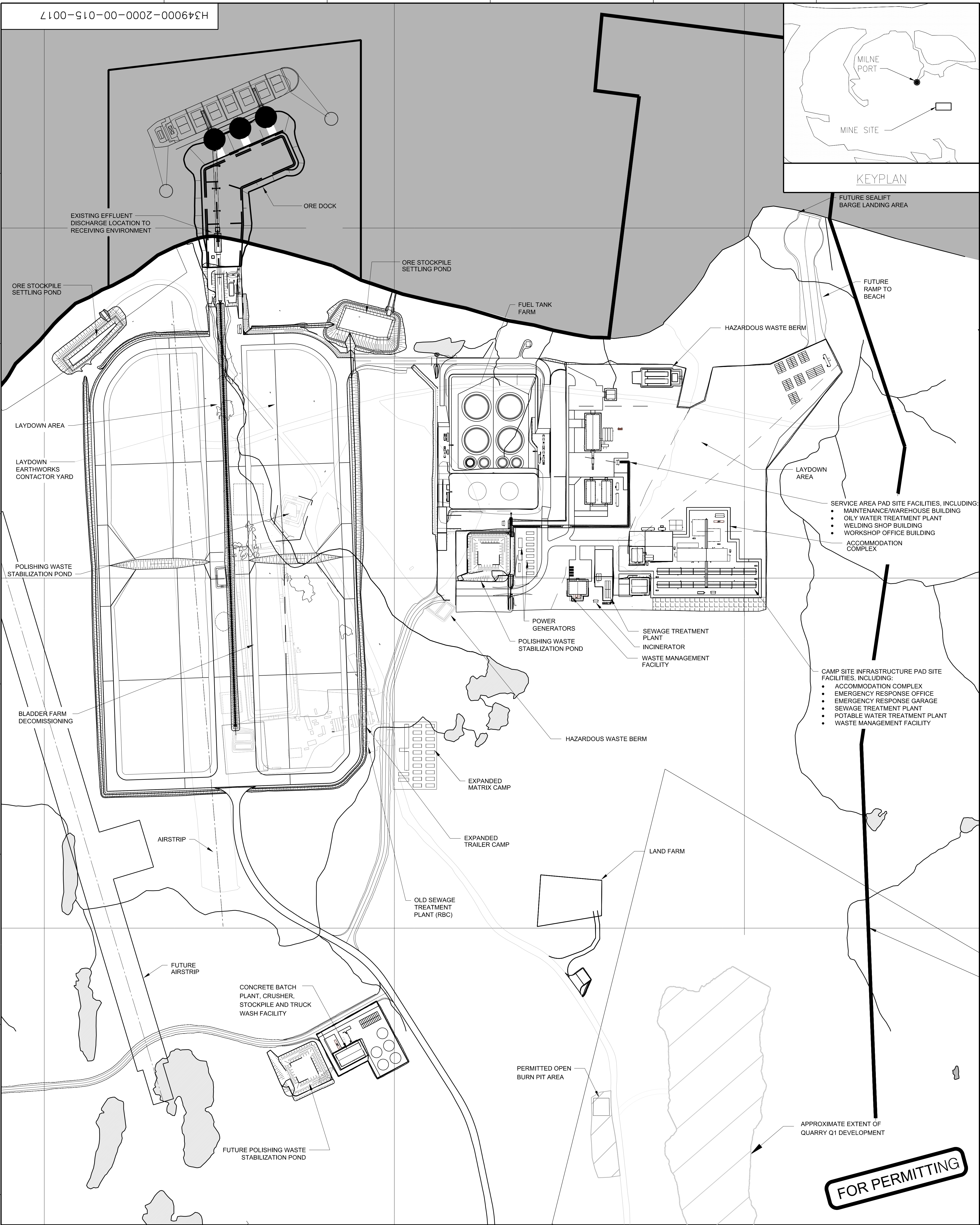
Appendix 5

Drawings showing the ERP Layout and details of the Polishing Waste Stabilization Pond

H349000-2000-00-015-0017 Milne Port – Early Revenue Phase – Site Layout

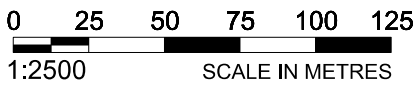
H349000-2735-10-035-0001 Milne Port – Off-Spec Effluent Pond (PWSP) Plan

H349000-2735-10-035-0002 Milne Port – Off-Spec Effluent Pond (PWSP) Section & Details

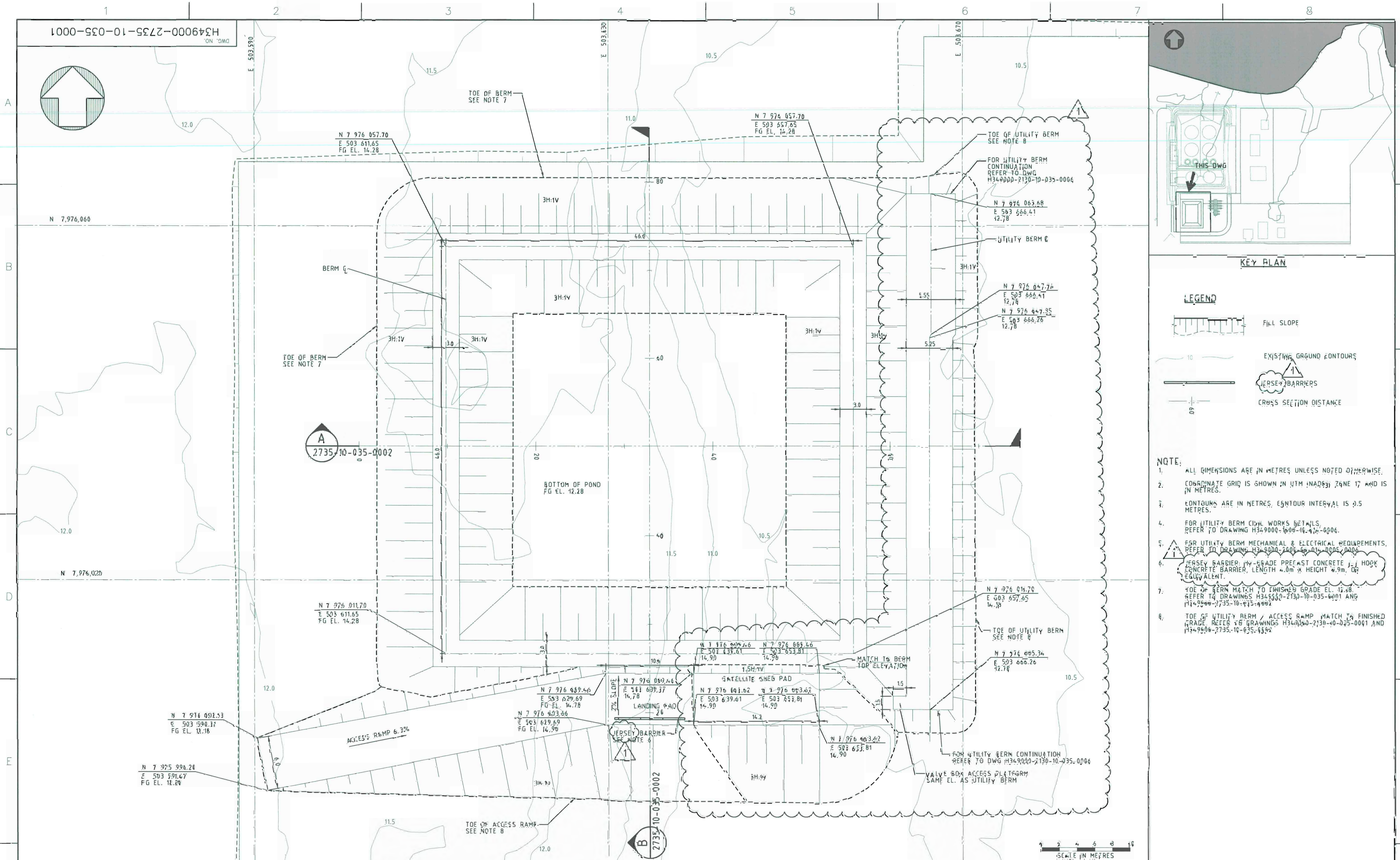


LEGEND:

	WATER		EXISTING ROCK QUARRY (IOL COMMERCIAL LEASE)
	PROPOSED QUARRY		BAFFINLAND'S COMMERCIAL LEASE ON INUIT OWNED LAND
	RIVER/STREAM/DRAINAGE		ROAD
	PROJECT DEVELOPMENT AREA		



MARY RIVER PROJECT		
MILNE PORT EARLY REVENUE PHASE SITE LAYOUT		
SCALE 1:2500 OR AS NOTED	DWG. NO. H349000-2000-00-015-0017	REV. A



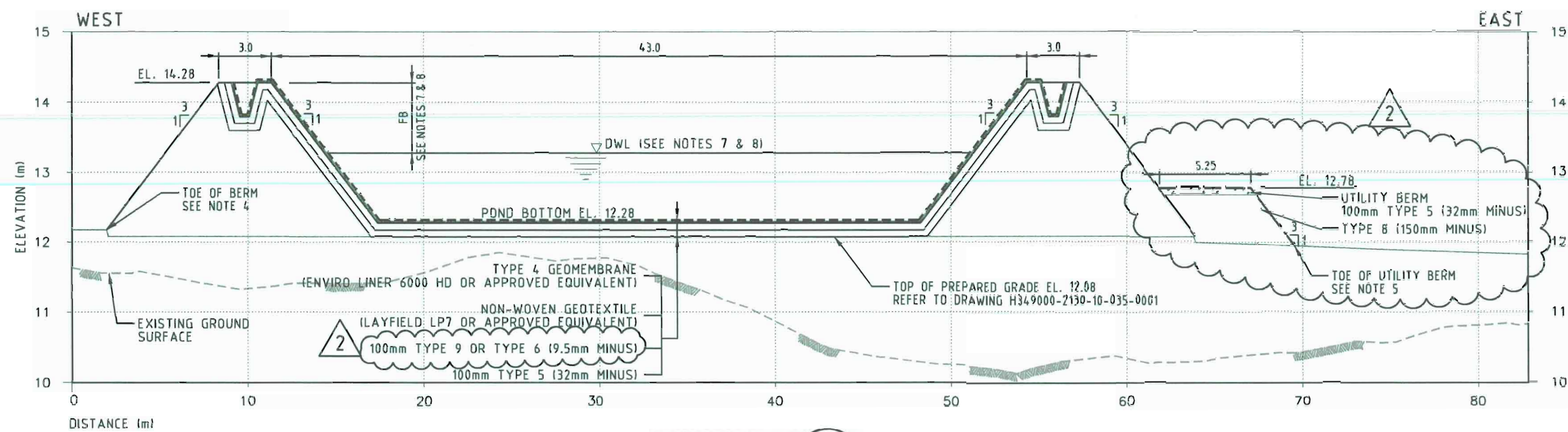
KEY PLAN

LEGEND

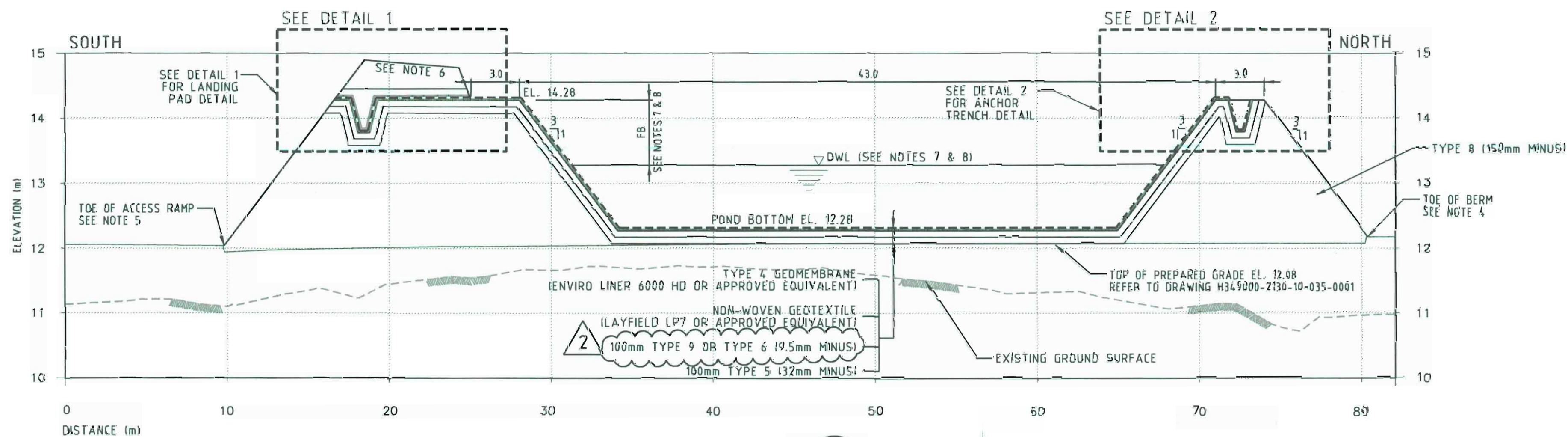
- FILL SLOPE
- EXISTING GROUND CONTOURS
- JERSEY BARRIERS
- CROSS SECTION DISTANCE

- NOTE:**
- ALL DIMENSIONS ARE IN METRES UNLESS NOTED OTHERWISE.
 - COORDINATE GRID IS SHOWN IN UTM (NAD83) ZONE 17 AND IS IN METRES.
 - CONTOURS ARE IN METRES. CONTOUR INTERVAL IS 0.5 METRES.
 - FOR UTILITY BERM CIVIL WORKS DETAILS, REFER TO DRAWING H349000-2130-10-035-0006.
 - FOR UTILITY BERM MECHANICAL & ELECTRICAL REQUIREMENTS, REFER TO DRAWING H349000-2130-10-035-0007.
 - JERSEY BARRIER: HY-GRADE PRECAST CONCRETE J-1 HOOD CONCRETE BARRIER, LENGTH 4.0m X HEIGHT 0.9m OR EQUIVALENT.
 - TOE OF BERM MATCH TO FINISHED GRADE EL. 12.28. REFER TO DRAWINGS H349000-2130-10-035-0001 AND H349000-2130-10-035-0002.
 - TOE OF UTILITY BERM / ACCESS RAMP MATCH TO FINISHED GRADE EL. 12.28. REFER TO DRAWINGS H349000-2130-10-035-0001 AND H349000-2130-10-035-0002.

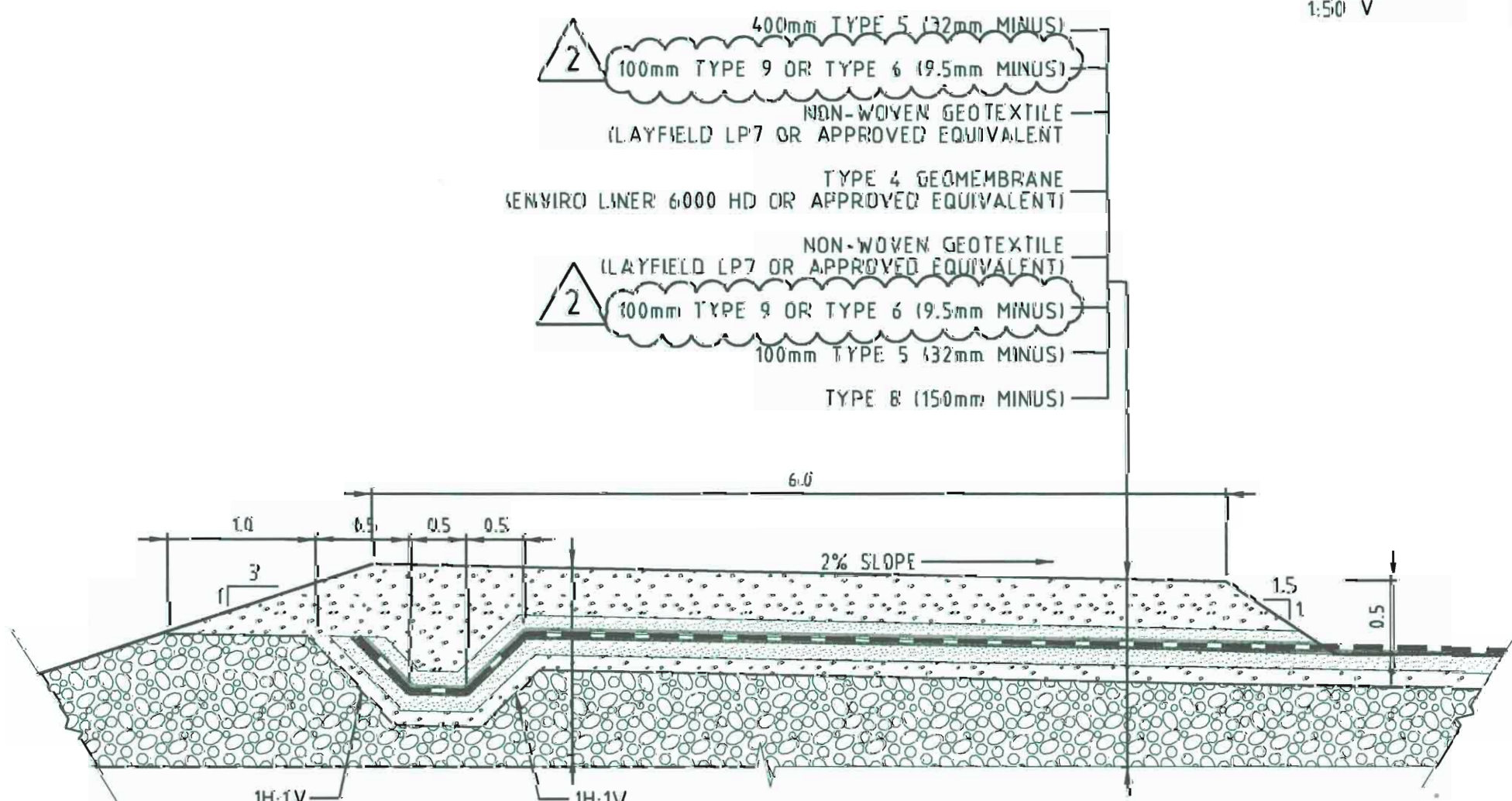
PERMIT TO PRACTICE HATCH LTD. Signature: [Signature] Date: 13 Sep 13 PERMIT NUMBER: P-512 This is a permit to practice only and does not constitute a guarantee or warranty of any kind.		DESIGNED BY A. SAHILI DATE 2013-03-08 CHECKED BY K. FALLAH DATE 2013-05-22 PROJ. DES. COORD. T. THERIELL DATE 2013-05-22 PROJ. MGR. S. PERRY DATE 2013-05-22		DRAWN BY A. VALENCIA DATE 2013-03-08 DISCIP. ENGR. S. HASSAN DATE 2013-05-22 PROJ. ENGR. J. CLELAND DATE 2013-05-22		HATCH		Baffinland	
REFERENCE DRAWINGS		REVISIONS		ISSUE AUTHORIZATION		MARY RIVER PROJECT		MILNE PORT OFF-SPEC EFFLUENT POND (PWSF) PLAN	
H349000-2130-10-035-0001 H349000-2735-10-035-0002		1. UTILITY BERM AND SATELLITE SHED PAD ADDED NO. DESCRIPTION BY CHK'D APP'D DATE 1. N.K.F. S.H. 2013-09-13		1. CONSTRUCTION 2. CONSTRUCTION 3. CONSTRUCTION		SCALE: 1:200 DWG. NO. H349000-2735-10-035-0001 ORIGINAL SHEET SIZE: ISO A1 (841 x 594)		1	



SECTION A
1:200 H
1:50 V
2735-10-035-0001

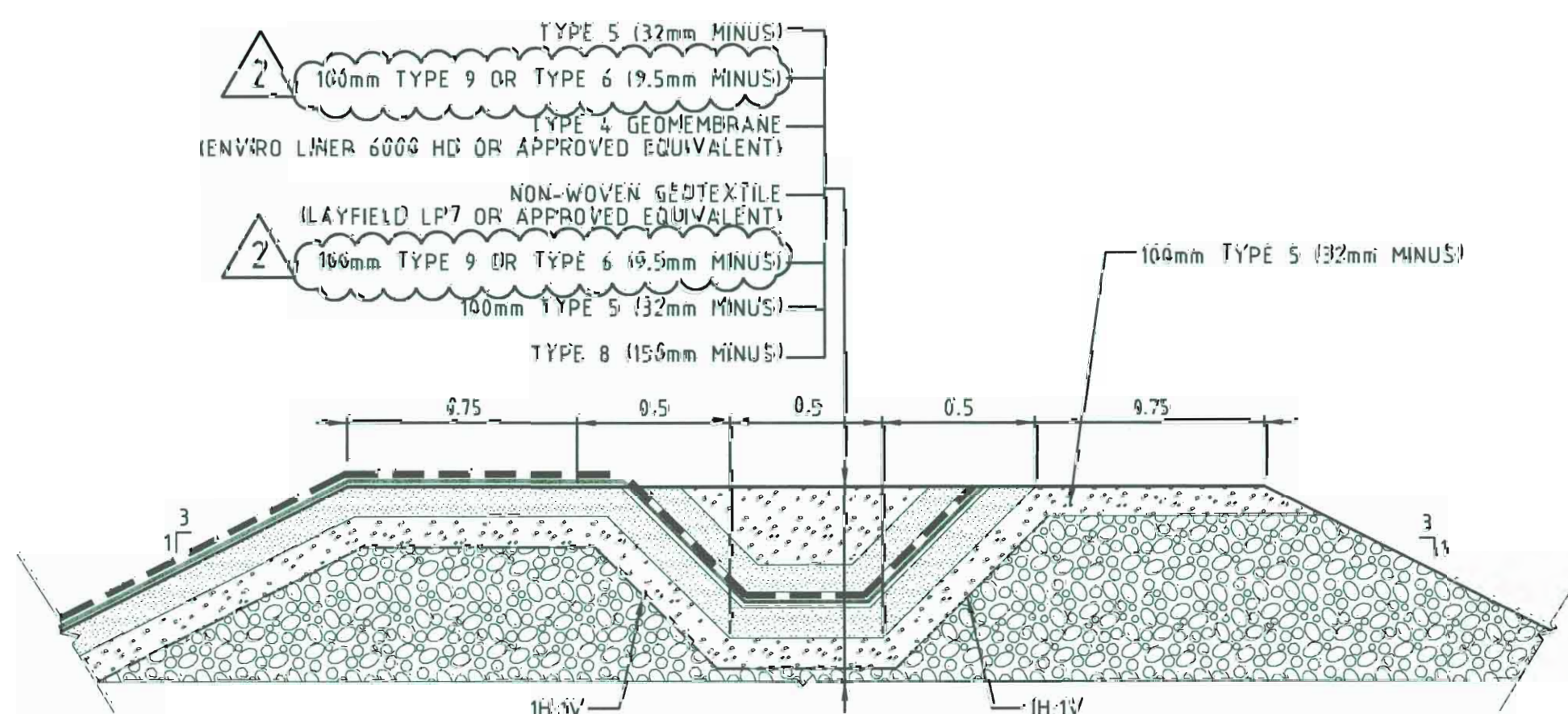


SECTION B
1:200 H
1:50 V
2735-10-035-0001



DETAIL 1 - BERM AT LANDING PAD

N.T.S.



DETAIL 2 - NORMAL BERM

N.T.S.

LEGEND

DWL DESIGN WATER LEVEL
FB FREEBOARD

NOTES:

1. TOPOGRAPHY PROVIDED BY TERRAPOINT CANADA INC.
2. ALL DIMENSIONS AND ELEVATIONS SHOWN ARE IN METRES, UNLESS NOTED OTHERWISE.
3. FOR UTILITY BERM MECHANICAL & ELECTRICAL REQUIREMENTS, REFER TO DRAWING H349000-2000-00-004-0000/0000.
4. TOE OF BERM MATCH TO FINISHED GRADE EL. 12.18. REFER TO DRAWING H349000-2130-10-035-0001 AND H349000-2735-10-035-0001.
5. TOE OF UTILITY BERM / ACCESS RAMP MATCH TO FINISHED GRADE. REFER TO DRAWING H349000-2130-10-035-0001 AND H349000-2735-10-035-0001.
6. JERSEY BARRIER: HY-GRADE PRECAST CONCRETE J-J HOOK CONCRETE BARRIER, LENGTH 4.0m X HEIGHT 0.9m, OR EQUIVALENT.
7. POND DESIGN CAPACITY IS 1000m³ WITH 1.0m OF FREEBOARD AND DWL EL. 13.28m.
8. POND MAXIMUM DESIGN CAPACITY (SUMMER USE) IS 2250m³ WITH 9.3m FREEBOARD AND DWL EL. 13.98m.

FOR CONSTRUCTION

HATCH

Baffinland

MARY RIVER PROJECT

MILNE PORT
OFF-SPEC EFFLUENT POND (PWSP)
SECTIONS & DETAILS

SCALE: 1:200
DWG. NO. H349000-2735-10-035-0002
ORIGINAL SHEET SIZE: 150 A4 (841 x 594)

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

REGISTERED PROFESSIONAL ENGINEER
M.M.S. HASSAN
LICENSEE
13 Sep 13
NTNU

DESIGNED BY: A. SAHELI
DATE: 2013-05-07
CHECKED BY: K. FALLAH
DATE: 2013-05-22
PROJECT: MGR.
S. PERRY
DATE: 2013-05-22

REV. 2

13/09/2013 9:59:06 AM
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