



October 2, 2014

Project No: 091-15053-00

Tracey Braun, M.Sc.

Director, Environmental Approvals

MANITOBA CONSERVATION AND WATER STEWARDSHIP

160-123 Main Street

Winnipeg, MB R3C 1A5

Dear Ms. Braun:

**RE: R.M. OF LAC DU BONNET
WASTEWATER STABILIZATION POND EXPANSION
NOTICE OF ALTERATION No. 2 – LICENCE No: 1773 R**

On behalf of our client, we would like to apply for an alteration to Environment Act Licence No. 1773 R, revised on November 23, 2011 for the R.M. of Lac du Bonnet wastewater stabilization pond, "lagoon". We anticipate that the proposed changes will not affect any of the existing clauses of the Licence.

We propose two changes to the lagoon. The first change involves two instances where bedrock was uncovered during the excavation of the new secondary cell liner. In both cases the top of the bedrock was at or slightly above the design elevation of the cell floor and, for each occurrence, approximately 20 to 30 square metres of bedrock was visible at the surface. We propose that for each bedrock location, that it be covered by, at minimum, 1 metre of high plastic clay with 4H:1V side slopes from the top of the clay cap to the floor of the lagoon. To protect the clay cap from erosion, it is to be covered with geotextile and riprap at a thickness of 0.3 metre. Please see the attached drawing for further clarification.

The second change to the lagoon is in regard to the borrow area. To complete the lagoon, it was necessary to utilize a borrow area to obtain clay material. The borrow area is located at the northeast corner of the new lagoon. The borrow area is approximately 5,600 m² and is excavated to a depth of 4 metres at its deepest point. The borrow area will remain open after construction and it will have, at minimum, 4H:1V side slopes around the perimeter. The borrow area will also have an outlet which will allow drainage to the west along the north dyke of lagoon.

If you have any questions regarding this alteration notification, please contact the undersigned. We look forward to your response on this matter and respectfully request a reply by October 10, 2014.

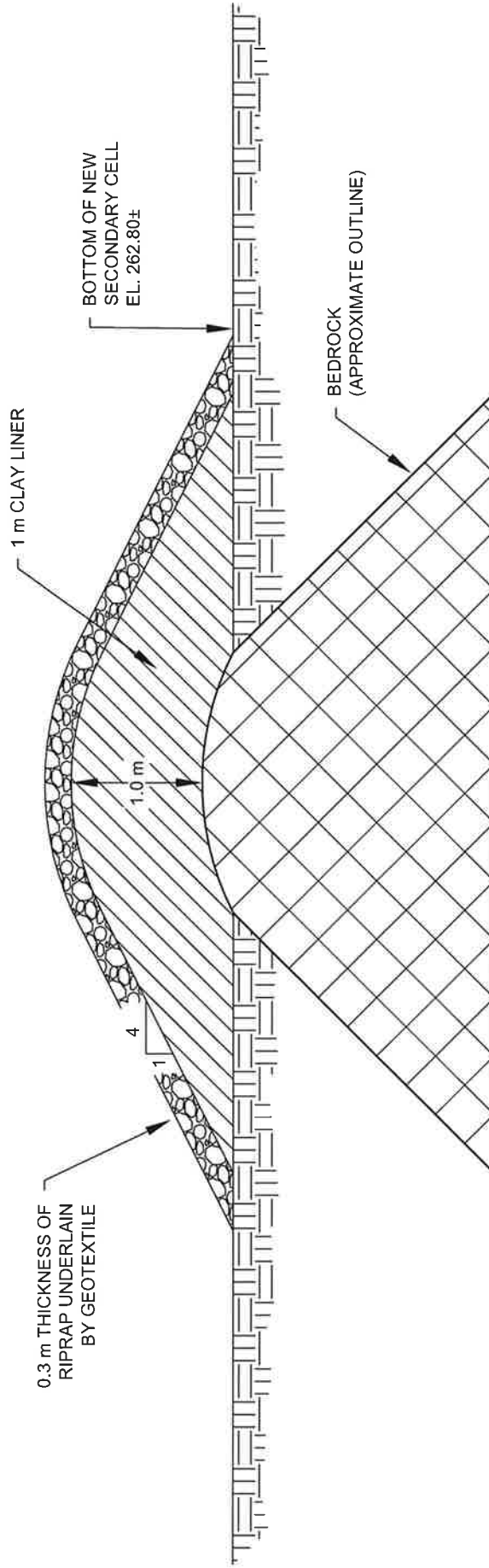
Regards,

WSP Canada Inc.



Dana Bredin, E.I.T.
Geotechnical / Civil Engineer

cc: Ms. Tannis Lodge, CAO – R.M. of Lac du Bonnet
Mr. Greg Mandzuk, Public Works Manager – R.M. of Lac du Bonnet
Mr. Robert Boswick, P.Eng. – Manitoba Conservation and Water
Stewardship



PROJECT: R.M. OF LAC DU BONNET WWSP EXPANSION	ADD.# <input type="checkbox"/> DIR.# <input type="checkbox"/> CHG.# <input type="checkbox"/>
	SUPPLEMENTAL: ADDENDUM: DIRECTIVE: CHANGE ORDER: REVISION: 0
TITLE: DETAIL OF CLAY LINER ABOVE BEDROCK	DATE: 2014/10/02 SUPPLEMENTAL NO.: 1.0
DRAWN BY: D. BREDIN	SCALE: N.T.S.
CHECKED BY: R. WEBSTER	PROJECT NO.: 091-15053-00



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