

Dey, Asit (SD)

From: Bredin, Dana <Dana.Bredin@wsp.com>
Sent: April-01-19 4:16 PM
To: Dey, Asit (SD)
Cc: mdumaine@ritchot.com; Suresh, Nada (SD); Boswick, Robert (SD); Burland Ross, Siobhan (SD); Bunn, Jason; Webster, Ross; Goss, Charles
Subject: RE: 2019-03-29__Additional Information Request_St. Adolphe WWTL_RM of Ritchot_File 2633.10
Attachments: St Adolphe Lagoon - Truck Dump - CL103.pdf

Good afternoon Asit,

I've attached a revised drawing CL103, which details the addition of a reflective fibreglass rod on a stainless steel spring affixed to the concrete curb on both sides. This is the preferred option by the RM of Ritchot as opposed to a fixed bollard.

Regarding the amount of trucks the primary cell can accommodate per day is calculated as follows:

- Only holding tank wastewater is to be diverted from the Ste. Agathe Lagoon to the St. Adolphe Lagoon (as discussed in the previously submitted NoA)
- Strength of the holding tank wastewater is assumed to be 500 mg-BOD₅/L
- Avg holding tank size is assumed to be 1,500 lgal (6,820 L)
- *One full tank is equal to one truck load*
- Primary Cell organic capacity is 444.1 kg-BOD₅/day (7.93 ha * 56 kg-BOD₅/day/ha)
- Organic capacity currently being utilized is 208.0 kg-BOD₅/day (est.)
- Remaining available capacity is 236.1 kg-BOD₅/day
- Wastewater strength of one tank is 3.41 kg-BOD₅/day (6820 L * 500 mg-BOD₅/L)
- # of holding tanks per day that can be emptied is 69 tanks (or trucks) (236.1 kg-BOD₅/day / 3.41 kg-BOD₅/day/tank)

Please let me know if you require more information or if you have any questions or comments.

Regards,

Dana Bredin, P.Eng.

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From: Dey, Asit (SD) <Asit.Dey@gov.mb.ca>
Sent: March-29-19 2:38 PM
To: Goss, Charles <Charles.Goss@wsp.com>; Bredin, Dana <Dana.Bredin@wsp.com>
Cc: mdumaine@ritchot.com; Suresh, Nada (SD) <Nada.Suresh@gov.mb.ca>; Boswick, Robert (SD) <Robert.Boswick@gov.mb.ca>; Burland Ross, Siobhan (SD) <Siobhan.BurlandRoss@gov.mb.ca>
Subject: 2019-03-29__Additional Information Request_St. Adolphe WWTL_RM of Ritchot_File 2633.10

Hello Dana,

Good afternoon. Upon receipt of the requested information, we will continue review of your Notice of Alteration request. Have a good weekend.

Thanks,

Regards,

Asit Dey
Environmental Approvals Branch
Municipal and Industrial Section
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Email: asit.dey@gov.mb.ca

From: Dey, Asit (SD)
Sent: February-07-19 1:41 PM
To: 'charles.goss@wsp.com' <charles.goss@wsp.com>; 'Bredin, Dana' <Dana.Bredin@wsp.com>
Cc: 'mdumaine@ritchot.com' <mdumaine@ritchot.com>; Beshada, Eshetu (SD) <Eshetu.Beshada@gov.mb.ca>; Suresh, Nada (CWS) (Nada.Suresh@gov.mb.ca) <Nada.Suresh@gov.mb.ca>; Assefa, Bereket (CON) (Bereket.Assefa@gov.mb.ca) <Bereket.Assefa@gov.mb.ca>; Boswick, Robert (SD) <Robert.Boswick@gov.mb.ca>
Subject: 2019-02-07_Additional Information Request_St. Adolphe WWTL_RM of Ritchot_File 2633.10

Dana,

Good afternoon. This email is in follow up to my previous email dated October 1, 2018. Receipt of your submissions dated February 1, 2019 is hereby acknowledged. Could you please advise us if you are considering including bollards in the design of the truck dumping station. It is our understanding that incorporation of bollards in the design of truck dumping station is a common practice for effective and safe disposal of truck hauled wastewater.

In addition, please comment on how many trucks per day that the lagoon can accommodate such that the lagoon's daily organic loading capacity will not be compromised.

Thanks,

Regards,

Asit Dey
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From: Dey, Asit (SD)
Sent: October-01-18 3:01 PM
To: 'charles.goss@wsp.com' <charles.goss@wsp.com>
Cc: 'mdumaine@ritchot.com' <mdumaine@ritchot.com>; Beshada, Eshetu (SD) <Eshetu.Beshada@gov.mb.ca>; Suresh, Nada (CWS) (Nada.Suresh@gov.mb.ca) <Nada.Suresh@gov.mb.ca>
Subject: 2018-10-01_Additional Information Request_St. Adolphe WWTL_RM of Ritchot_File 2633.10

Hello Charles,

This email is in follow up to my telephone conversation with you this morning. Receipt of your Notice of Alteration request dated June 22, 2018 is hereby acknowledged. We require the following additional information in order to continue our review:

- Access road construction method along with access road profile with elevation;
- Truck dump station construction method along with engineering drawing(s) on truck dump station details;
- Please comment on whether the vehicular traffic is going to compromise the structural integrity of the existing south dyke of the secondary cell; and
- Please also indicate how many trucks that the lagoon can accommodate such that the lagoon's daily organic loading capacity will not be compromised.

We will continue our review of your submission upon receipt of the required information.

Thanks,

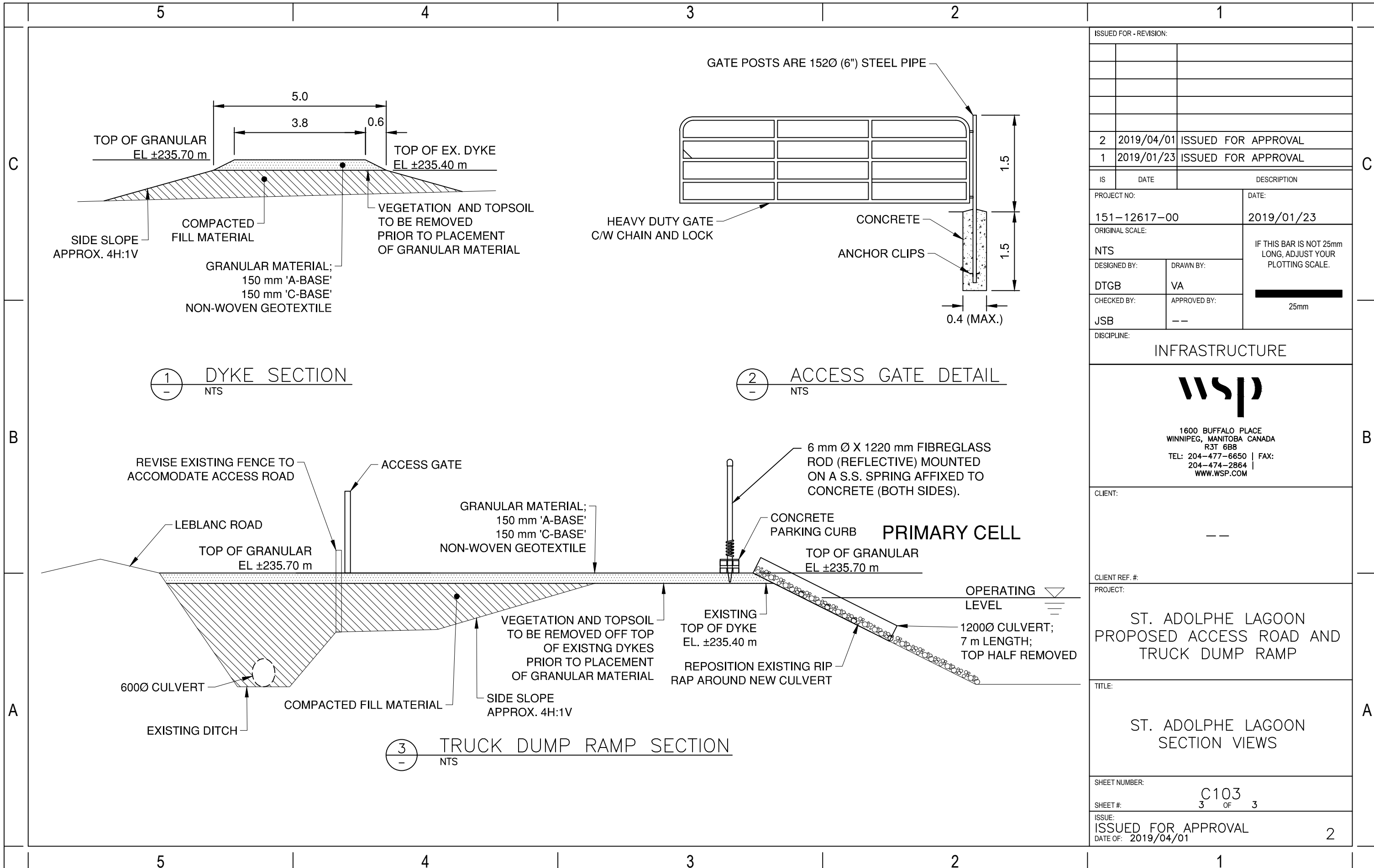
Regards,

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ISSUED FOR - REVISION:		
NO.	DATE	DESCRIPTION
2	2019/04/01	ISSUED FOR APPROVAL
1	2019/01/23	ISSUED FOR APPROVAL

IS	DATE	DESCRIPTION
PROJECT NO:		DATE:
151-12617-00		2019/01/23
ORIGINAL SCALE:		IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE. 
DESIGNED BY:	DRAWN BY:	
DTGB	VA	
CHECKED BY:	APPROVED BY:	
JSB	--	

DISCIPLINE: INFRASTRUCTURE

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CLIENT: ---

CLIENT REF. #:

PROJECT: ST. ADOLPHE LAGOON PROPOSED ACCESS ROAD AND TRUCK DUMP RAMP

TITLE: ST. ADOLPHE LAGOON SECTION VIEWS

SHEET NUMBER: C103
SHEET #: 3 OF 3
ISSUE: ISSUED FOR APPROVAL
DATE OF: 2019/04/01

L:\Projects\2015\151-12617-00 Ritchot Lagoon Studies\St. Adolphe\St. Adolphe Lagoon - Truck Dump - Options.dwg Apr 01, 2019-11:31am BY: (dana.bredin)