



Infrastructure and Transportation
Highway Planning and Design Branch
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December 23, 2015

Tracey Braun, M.Sc.
Director, Environmental Approvals Branch
Manitoba Conservation and Water Stewardship
123 Main Street, Suite 160
Winnipeg, MB R3C 1A5

Dear Ms. Braun:

**SUBJECT: Notice of Alteration - Environment Act Licence No. 3131R
St. Adolphe Ring Dike Expansion**

In accordance with the *Environment Act*, Section 14(1)(b), Manitoba Infrastructure and Transportation (MIT) is hereby providing Notice of Alteration to the St. Adolphe Ring Dike Expansion Project, which was licenced with Manitoba Conservation and Water Stewardship (MCWS) under Environment Act Licence No. 3131R.

Background

The project involves the construction and operation of a flood protection dike expansion on the east side of the community of St. Adolphe in the Rural Municipality of Ritchot. MIT is proposing to make minor alterations to the proposed dike alignment and develop an additional borrow area north of PR 210.

Alteration to Dike Alignment

The dike alignment has been modified to encompass additional flood protected land north of PR 210. The dike alignment will be extended approximately 300 metres north and will connect with the existing flood protection dike at the north end of the St. Adolphe community (refer to Attachment 1).

Alteration to Location of Borrow Area

Originally, the borrow areas for the dike construction was to be located between the dike and the St. Adolphe Coulee in the SE corner (Areas A-3 and B-1 in Attachment 2). The borrow areas in the SE corner of the project area will now be used for completing the dike construction south of

PR 210 only. The flood control structure will still be located in the SE corner to drain the urban stormwater from the flood protected area to the existing borrow areas. The stormwater management function will continue to be provided within the flood protected area and is not affected by the proposed alterations.

The proposed new borrow area will be located approximately 400 metres north of PR 210 on private property (refer to the purple rectangle on Attachment 1). This borrow area will only be used to construct the portion of the dike situated north of PR 210. The borrow area will be approximately 600 metres long by 75 metres wide (4.5 ha).

Alteration to Environmental Effects

The borrow area used to construct the dike north of PR 210 will be located outside of the flood protected area, between the proposed dike and the St. Adolph Coulee. The borrow area will be located 25 metres east of the flood protection dike and within 30 m of the Coulee. The borrow area will not encroach on the riparian area of the coulee.

The borrow area will be excavated to a depth of 4 to 5 metres with 7H:1V side slopes. It is anticipated that the borrow area will function as a wet retention area due to the stratigraphic and groundwater conditions in the area. It is anticipated that groundwater will flow into the borrow area. Very little surface runoff and some precipitation is anticipated to enter the resulting borrow pit. There are no physical structures proposed to connect the borrow area to the St. Adolphe Coulee.

Potential impact may occur during flood events, when water from the St. Adolphe Coulee or the Red River flows into the borrow areas potentially resulting in fish stranding when the flood waters recede. The frequency of such an event is unknown and the resulting impact to the fish population will likely be insignificant. It is our opinion that this alteration will not result in any other potential significant changes to the environmental effects assessed and addressed by Environment Act Licence No. 3131R.

Fee for NoA

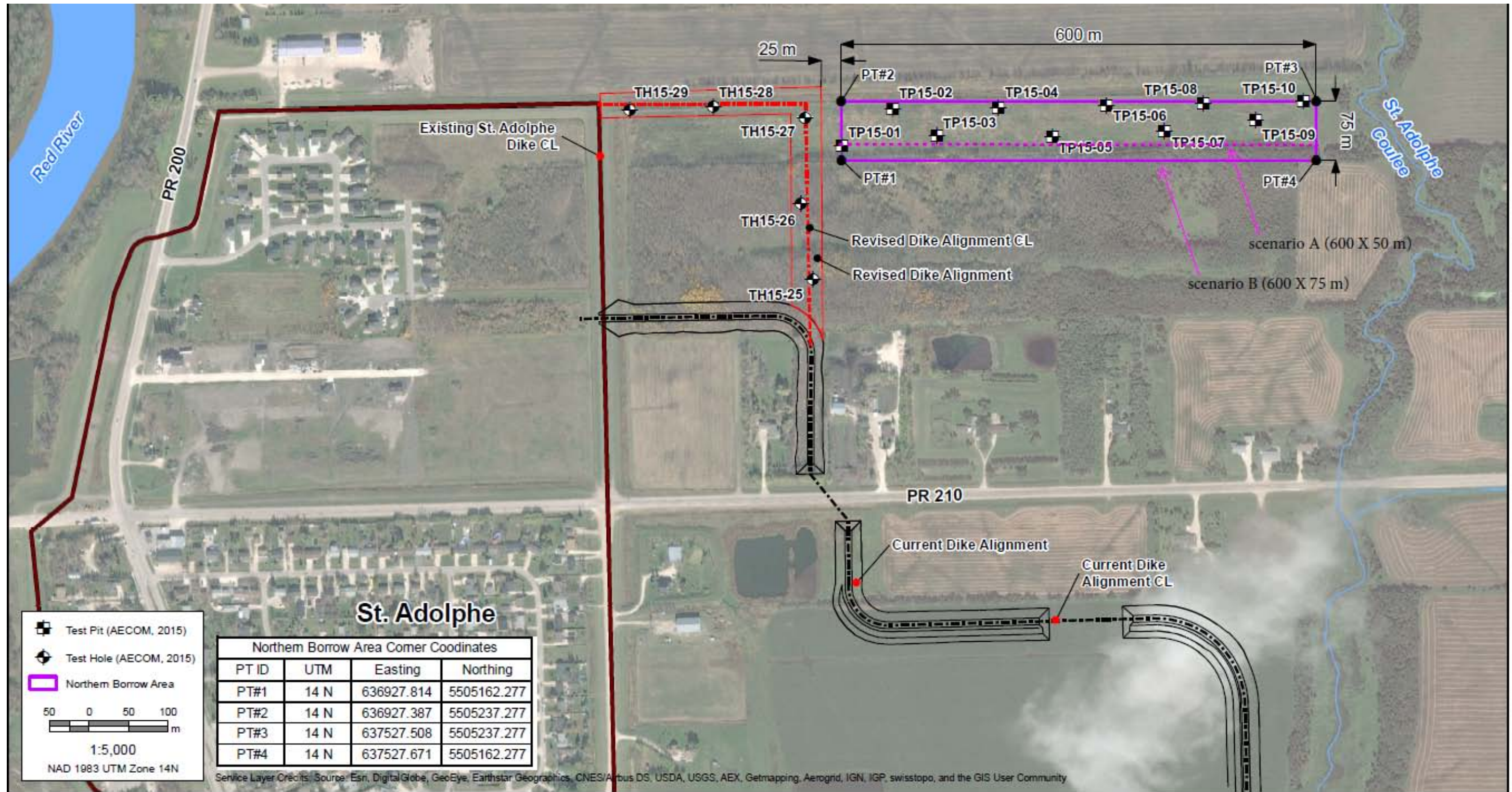
We understand that a \$500 application fee will apply to this alteration, payable to the Minister of Finance. Payment of this fee will be handled through interbusiness journal transfer.

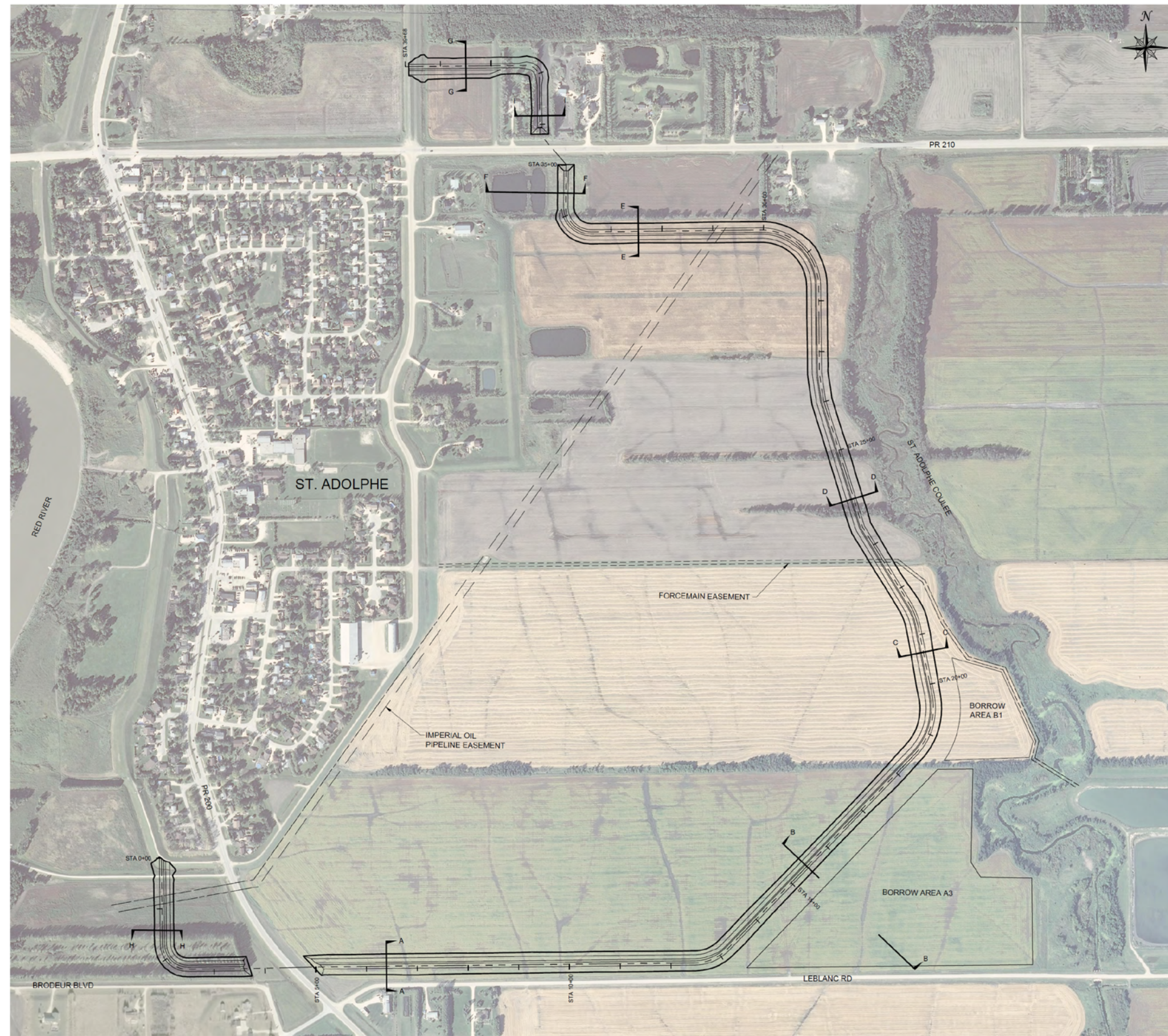
Sincerely,


Ryan Coulter, M.Sc., P. Eng.
Manager of Environmental Services

cc. Angela McLean (MIT)
Alena James (MIT)

Attachment 1: Plan View Drawing of North Dike Alignment Change and Location of Borrow Area





LEGEND	
PROPOSED DIKE TOES	———
PROPOSED DIKE ELEMENTS	———
PROPOSED DIKE Q	- - - - -

75% FOR REVIEW

NOTICE:
THE EXISTENCE, LOCATION AND ELEVATION OF UTILITIES AND/OR CONCEALED STRUCTURES AT THE PROJECT SITE ARE NOT GUARANTEED BY AECOM.

ALL DIMENSIONS ARE IN MILLIMETRES (mm) AND ALL ELEVATIONS AND STATIONS ARE IN METRES (m) UNLESS SHOWN OTHERWISE.

PLAN
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STANDARD No. :		APPROVED BY SIGNATURE : TITLE : DATE :							
REVISIONS <table border="1"> <thead> <tr> <th>DATE</th> <th>BY</th> <th>DESCRIPTION</th> </tr> </thead> <tbody> <tr> <td>15/03/31</td> <td>CM</td> <td>75% ISSUED FOR REVIEW</td> </tr> </tbody> </table>				DATE	BY	DESCRIPTION	15/03/31	CM	75% ISSUED FOR REVIEW
DATE	BY	DESCRIPTION							
15/03/31	CM	75% ISSUED FOR REVIEW							
SURVEYED BY/DATE: M. SEEVERS / MARCH, 2015		R.M. OF RITCHOT DETAILED CROSS SECTIONS LOCATION PLAN OF PLANS OF ST. ADOLPHE RING DIKE EXPANSION (PART OF R.L. 233 TO 240 PARISH OF ST. NORBERT TWP. 08, RGE. 03E)							
DRAFTED BY/DATE: C. MAHE / MARCH, 2015									
DESIGN SEAL	RECORD SEAL	RELEASED FOR CONSTRUCTION BY:							
DESIGN BY: A. KALUZNIAK CHECKED: F. KHALIL									
DETAILS BY: A. KALUZNIAK CHECKED: F. KHALIL		DIRECTOR: _____ DATE: _____ WATER MANAGEMENT ENGINEERING & CONSTRUCTION SCALE: AS NOTED SHEET No. 11 of 21 SITE No: _____							