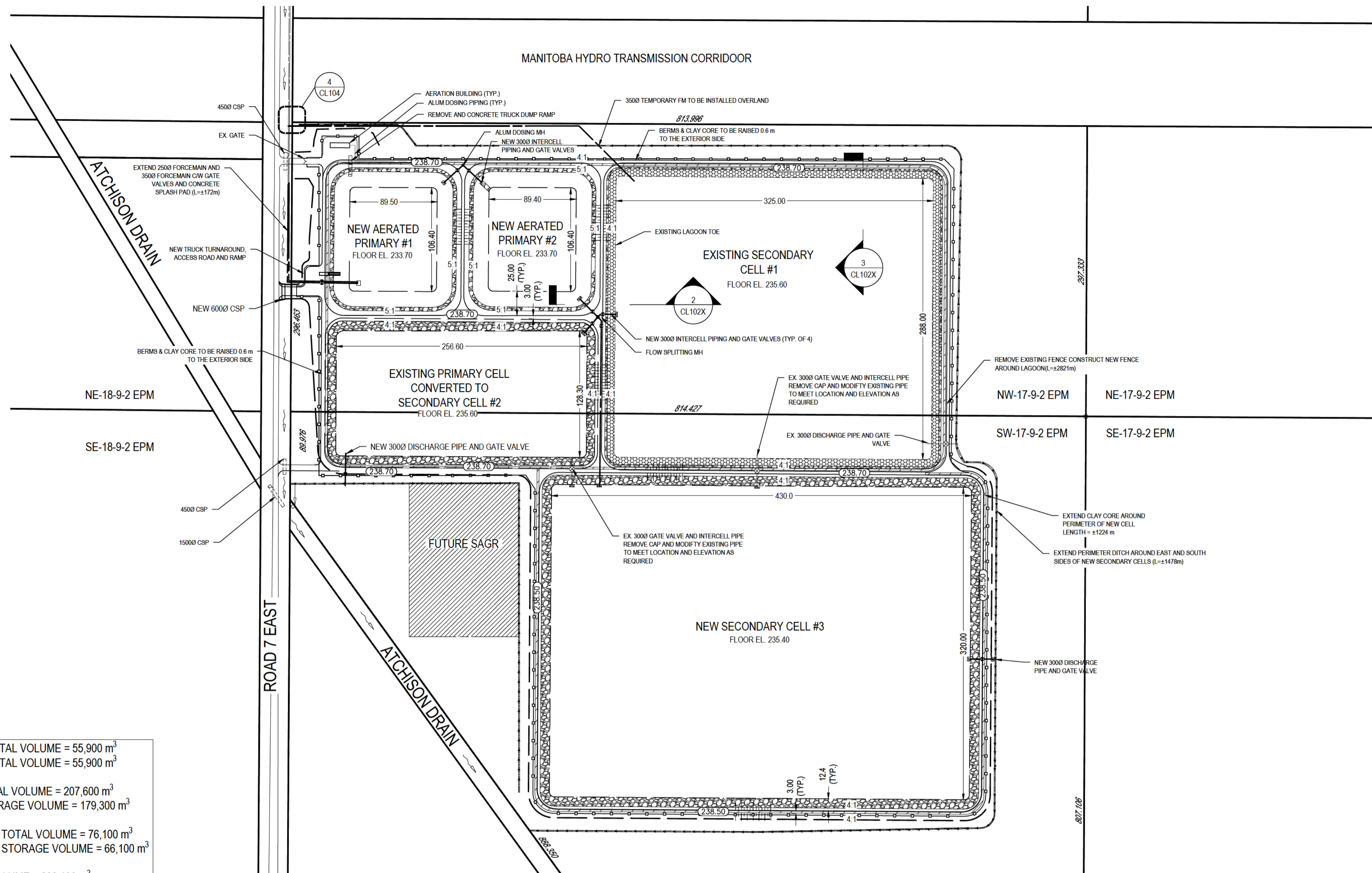


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**APPENDIX D**

# Proposed Development Plans





NEW AERATED PRIMARY CELL #1 TOTAL VOLUME = 55,900 m<sup>3</sup>  
 NEW AERATED PRIMARY CELL #2 TOTAL VOLUME = 55,900 m<sup>3</sup>

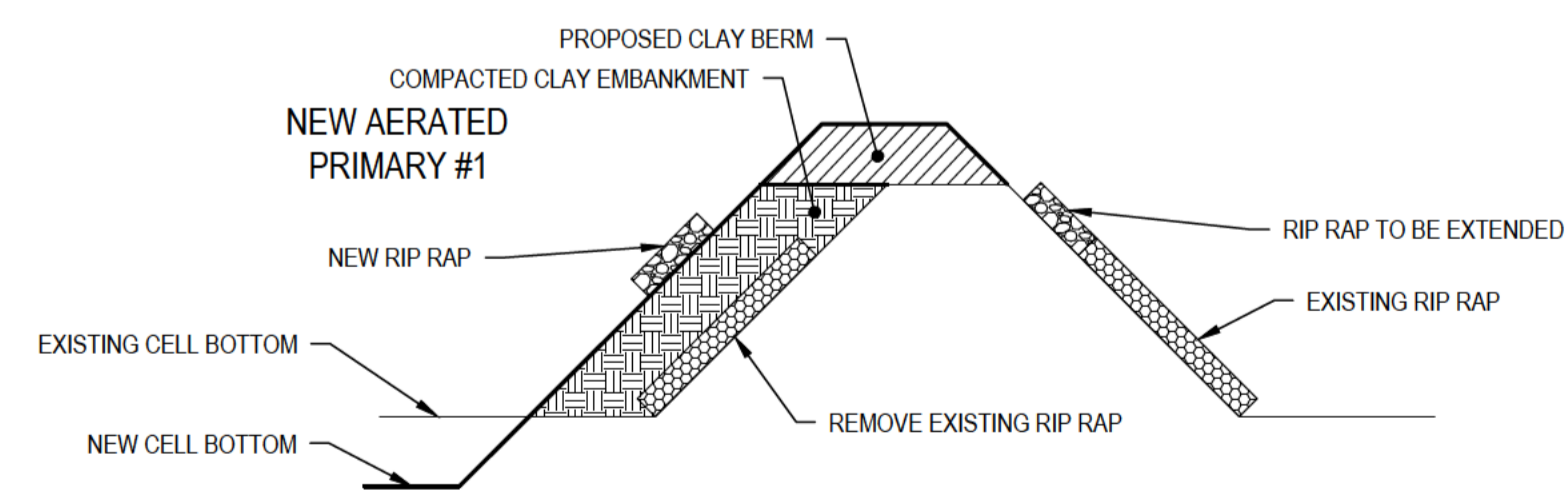
EXISTING SECONDARY CELL #1 TOTAL VOLUME = 207,600 m<sup>3</sup>  
 EXISTING SECONDARY CELL #1 STORAGE VOLUME = 179,300 m<sup>3</sup>

CONVERTED SECONDARY CELL #2 = TOTAL VOLUME = 76,100 m<sup>3</sup>  
 CONVERTED SECONDARY CELL #2 = STORAGE VOLUME = 66,100 m<sup>3</sup>

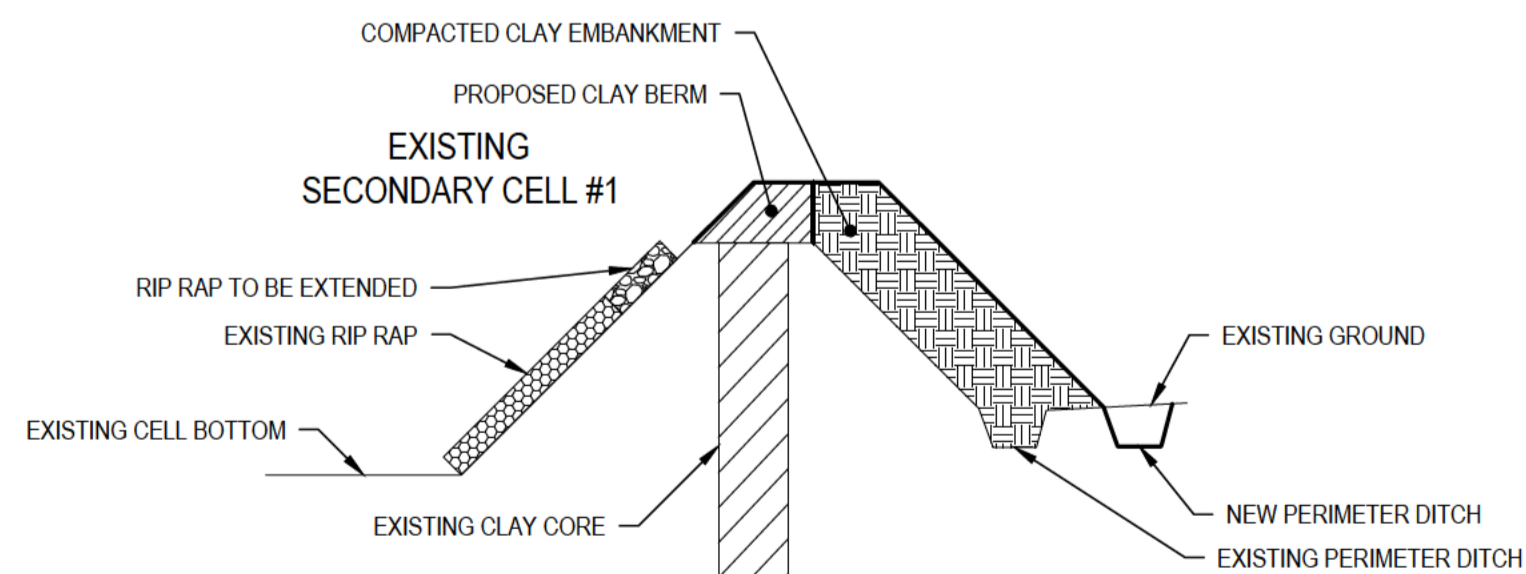
NEW SECONDARY CELL #3 TOTAL VOLUME = 302,400 m<sup>3</sup>  
 NEW SECONDARY CELL #3 STORAGE VOLUME = 260,900 m<sup>3</sup>

TOTAL STORAGE VOLUME = 506,200 m<sup>3</sup>

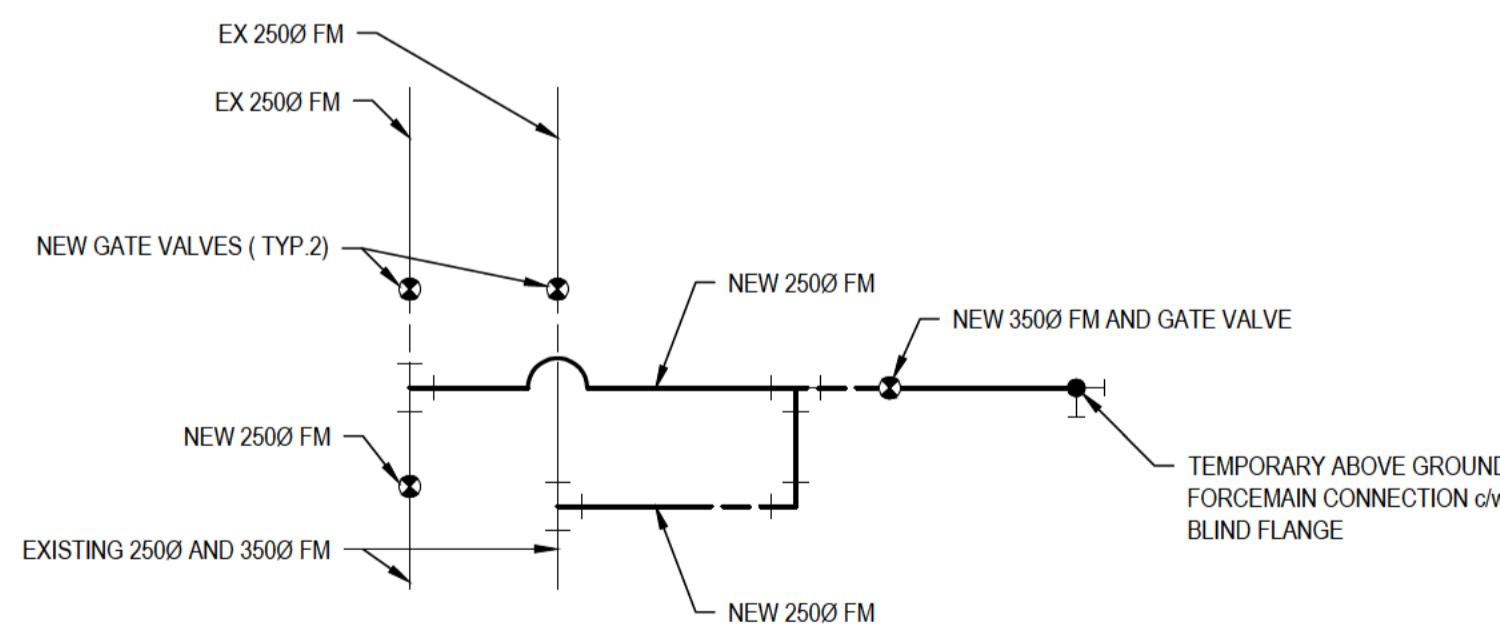
1 OVERALL SITE PLAN  
 SCALE: 1:2500



2 INTERCELL BERM SECTION  
 SCALE: NTS



3 PERIMETER BERM CELL SECTION  
 SCALE: NTS



4 TEMPORARY 4000 FM TIE IN  
 SCALE: NTS

- KEY NOTES:
1. LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE. NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.
  2. DESCRIPTION OF PROPERTY LIMITS, AND EXISTING AND/OR PROPOSED FEATURES RELATIVE TO THESE LIMITS AS SHOWN ON THIS DRAWING DO NOT REPRESENT A LEGAL SURVEY. WSP MAKES NO REPRESENTATION OR GUARANTEE THAT THE PROPERTY LIMIT INFORMATION IS ACCURATE. WSP ACCEPTS NO RESPONSIBILITY FOR DAMAGES, IF ANY, SUFFERED BY ANY THIRD PARTY AS A RESULT OF DECISIONS OR ACTIONS BASED ON THIS DRAWING.
  3. DRAWING IS IN METRIC. WHOLE NUMBERS INDICATE MILLIMETRES, AND DECIMALIZED NUMBERS INDICATE METRES.

	CLAY CORE HYDRAULIC CONDUCTIVITY <math>1 \times 10^{-7}</math> cm/s
	EXISTING CLAY CORE
	IN SITU MATERIAL
	COMPACTED CLAY EMBANKMENT
	CLAY BENTONITE
	RIP RAP
	EXISTING RIP RAP
	GRANULAR BASE
	CONCRETE

EXISTING	LEGEND-PLAN	PROPOSED
150 WM	WATER MAIN	150 WM
300 LDS	LAND DRAINAGE SEWER	300 LDS
250 WWS	WASTE WATER SEWER	250 WWS
250 FM	FORCEMAIN	250 FM
---	EDGE OF ROAD / DYKE	---
---	DYKE TOE	---
---	APPROX. PROPERTY LINE	---
---	FENCE	---
---	TREE OR SHRUB LINE	---
---	EXISTING MAJOR CONTOURS	---
---	EXISTING MINOR CONTOURS	---
---	FLOW DIRECTION	---
---	DITCH/SWALE	---
---	CULVERT	---
59.367	GROUND ELEVATION	(00.00)
(00.00)	ROAD ELEVATION	(00.00)
(00.00)	DYKE ELEVATION	(00.00)
(00.00)	DITCH ELEVATION	(00.00)
+	SIGN / SURVEY BAR	+
+	TEST HOLE/TEST PIT	+
+	GUY WIRE / HYDRO POLE	+
+	CURB STOP / PLUG	+
+	VALVE / HYDRANT	+
+	MANHOLE / CLEANOUT	+
	CLAY CORE HYDRAULIC CONDUCTIVITY <math>1 \times 10^{-7}</math> cm/s	
	RIP RAP	
	CONCRETE	

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 FILE: c:\users\ad\OneDrive\Desktop\2022-11-08-3:46 PM  
 C:\Users\ad\OneDrive\Desktop\2022-11-08-3:46 PM

REV	DATE	DESCRIPTION	BY	REV	DATE	DESCRIPTION	BY
A	22/11/08	ISSUED FOR PRELIMINARY DESIGN REPORT	DTGB				

SEAL:

ORIGINAL SCALE: AS SHOWN  
 DATE: 2022/11/08

DESIGNED BY: D.T.G.B.  
 ASSISTED BY: J.S.B.  
 DRAWN BY: V.A.A./B.E.L.  
 MODIFIED BY: V.A.A./B.E.L.  
 APPROVED BY: D.T.G.B.

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IF THIS BAR IS NOT 25mm LONG, ADJUST YOUR PLOTTING SCALE.

25mm

DISCIPLINE: INFRASTRUCTURE

WSP Canada Inc.  
 1600 Buffalo Place, Winnipeg, Manitoba R3T 6B8  
 T 204-477-6650 | www.wsp.com

PROJECT NUMBER: 221-01415-00

CLIENT:

CLIENT REF. #: MWSSB 21-12

TITLE: PROPOSED SITE PLAN  
 AERATED LAGOON  
 OPTION 2

PROJECT: OAK BLUFF LAGOON  
 PRELIMINARY DESIGN

DRAWING NUMBER: OPTION 2  
 REV: A