



- NOTES:**
- REFER TO DRAWING 1-0102-SGAD-A001 FOR GENERAL STRUCTURAL NOTES.
 - PROVIDE 200mm THICK VOID FORMS BETWEEN SOIL AND CONCRETE SLAB.
 - FIELD VERIFY ELEVATION AND LOCATION OF EXISTING PILES AND PILE CAPS. NOTIFY CONTRACT ADMINISTRATOR OF DISCREPANCIES.
 - DESIGN LIVE LOAD FOR GALLERY 8A IS 15kPa.
 - DESIGN LIVE LOAD FOR STAIR 2 IS 4.8kPa.
 - A MINIMUM LEVEL OF COMPACTED BACKFILL AT WEST AND EAST ENDS OF BIOREACTOR TANKS IS REQUIRED FOR OPERATION. TANKS MUST BE EMPTIED PRIOR TO EXCAVATING BELOW THIS ELEVATION, SEE DRAWING 4 FOR PILE EMBEDMENT DETAIL.
 - SEE DETAIL 5

LOWER LEVEL PLAN
1:100



APEGM
Certificate of Authorization
CH2M HILL Canada Ltd.
No. 1441

NO.	REVISIONS	DATE	DESIGN	CHECK
00	ISSUED FOR TENDER - B.O. 899-2015	01/2016	C.R.	J.C.

CH2MHILL
SNC-LAVALIN
DESIGNED BY: J. THANNICKAL
CHECKED BY: E. LUI
DRAWN BY: C. RYNARD
APPROVED BY: H.T. FREIHAMMER
SCALE: 1:100
DATE: 2016/01/29
ISSUED FOR CONSTRUCTION
BY: T. TURZAK
DATE: 2016/01/29
CONSULTANT NO.: 474248

ENGINEER'S SEAL
31/01/2016
PROVINCE OF MANITOBA
S.I.E. LUI
Member
37003
REGISTERED PROFESSIONAL ENGINEER

THE CITY OF WINNIPEG
Winnipeg
WATER AND WASTE DEPARTMENT
SOUTH END WATER POLLUTION CONTROL CENTRE
SEWPPC UPGRADING/EXPANSION PROJECT
STRUCTURAL
BIOREACTOR 3
LOWER LEVEL PLAN
CITY DRAWING NUMBER: 1-0102-SGAD-R004
SHEET: 001
REV: 00
SIZE: A1