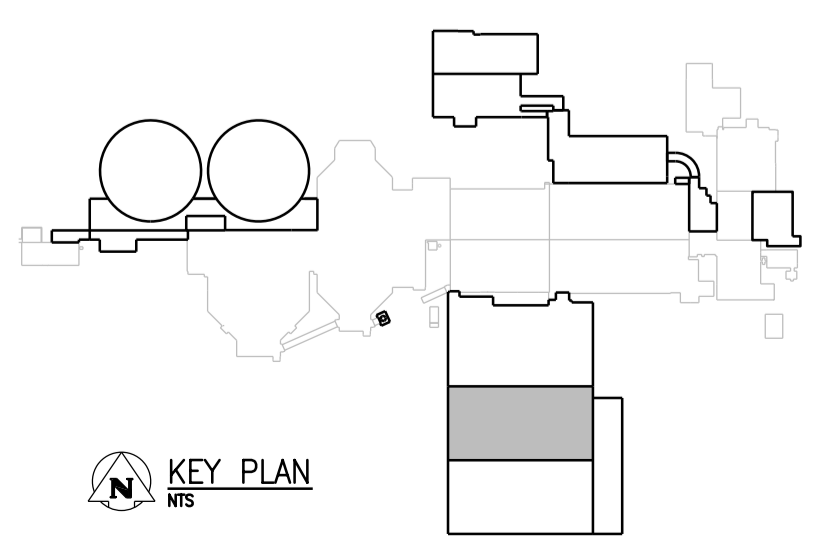


BIOREACTOR 2
OPEN TO BELOW

ROOF PLAN
1:100



- NOTES:**
- REFER TO DRAWING 1-0102-SGAD-A001 FOR GENERAL STRUCTURAL NOTES.
 - DESIGN LIVE LOAD FOR TANK AND CHANNEL ROOF IS 4.8kPa.
 - DESIGN LIVE LOAD FOR WALKWAYS IS 4.8kPa.
 - DESIGN DEAD LOAD ALLOWANCE FOR TANK AND CHANNEL ROOFS IS 1.0kPa.
 - DESIGN SNOW LOAD IS 2.15kPa, UNLESS NOTED OTHERWISE. SEE DRAWING FOR SNOW LOAD ACCUMULATION WHERE APPLICABLE.
 - ALUMINUM LADDER, SEE (0552-830).
 - * DENOTES LOCATION OF TYPE 1 DAVIT CRANE BASE INSERT.
 ○ DENOTES LOCATION OF TYPE 2 DAVIT CRANE BASE INSERT.

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

NO.	REVISIONS	DATE	DESIGN	CHECK
01	ISSUED FOR ADD. 2 - B.O. 899-2015	02/2016	C.R.	J.C.
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
ISSUED FOR CONSTRUCTION BY: T. TURZAK
DATE: 2016/01/29
DATE: 2016/01/29

CONSULTANT NO.: 474248

ENGINEER'S SEAL
24/02/2016
PROVINCE OF MANITOBA
S.L.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 2
ROOF PLAN

CITY DRAWING NUMBER: 1-0102-SGAD-R011
SHEET: 001
REV: 01
SIZE: A1