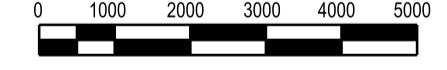
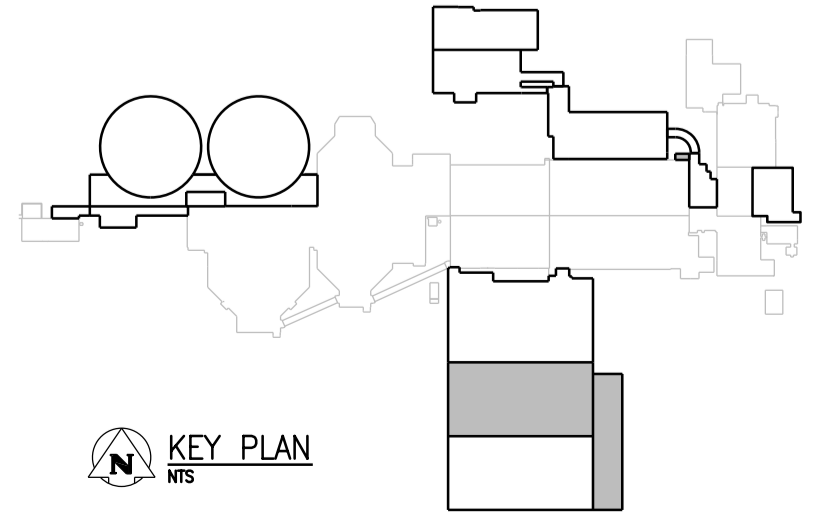


### LOWER LEVEL PLAN - PART B

1:100



- NOTES:**
1. COARSE BUBBLE AERATION REMOVABLE MANIFOLD ASSEMBLIES TYPICAL (REFER TO VENDOR DRAWINGS FOR PLACEMENT LOCATION AND DETAILS).
  2. AEROBIC IFAS ZONE AERATION SYSTEM(REFER TO VENDOR DRAWINGS FOR PLACEMENT LOCATION AND DETAILS).
  3. POST AEROBIC ZONE AERATION ASSEMBLIES SYSTEM(REFER TO VENDOR DRAWINGS FOR PLACEMENT LOCATION AND DETAILS).
  4. SAMPLING AT ELEVATION 229M FIELD ROUTE 25-PVC PIPING TO SAMPLING SINK. AVOID HIGH POINTS IN ROUTING TO PREVENT AIR LOCKS.



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

NO.	REVISIONS	DATE	DESIGN	CHECK
02	ISSUED FOR ADD. 4 - B.O. 899-2015	03/2016	B.C.	J.C.
01	ISSUED FOR ADD. 2 - B.O. 899-2015	02/2016	B.C.	J.C.
00	ISSUED FOR TENDER - B.O. 899-2015	01/2016	B.C.	J.C.

**CH2MHILL**  
 SNC-LAVALIN  
 DESIGNED BY: F. ABSI  
 CHECKED BY: B. EDGAR  
 DRAWN BY: B. COOPER  
 APPROVED BY: H.T. FREIHAMMER  
 SCALE: 1:100  
 DATE: 2016/01/29  
 CONSULTANT NO.: 474248

ENGINEER'S SEAL  
 March 30, 2016  
 PROVINCE OF MANITOBA  
**F. J. ABSI**  
 Member  
 38875  
 REGISTERED PROFESSIONAL ENGINEER

**THE CITY OF WINNIPEG**  
 WATER AND WASTE DEPARTMENT  
 SOUTH END WATER POLLUTION CONTROL CENTRE  
 SEWPPCC UPGRADING/EXPANSION PROJECT  
 PROCESS  
 BIOREACTOR 2  
 LOWER LEVEL PLAN - PART B  
 CITY DRAWING NUMBER: 1-0102-PGAD-R003  
 SHEET: 001  
 REV: 02  
 SIZE: A1