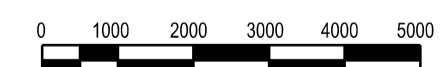
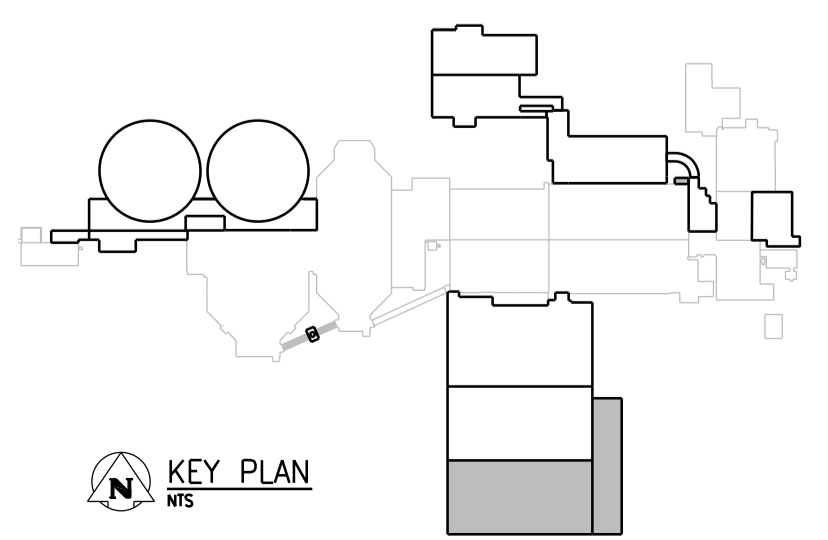


**LOWER LEVEL PLAN - PART C**  
1:100



**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
06	ISSUED FOR ADDENDUM 3 - 976-2016	2017/06/21	B.C.	J.C.
05	ISSUED FOR ADDENDUM 2 - 976-2016	2017/06/09	B.C.	J.C.
04	ISSUED FOR CONSTRUCTION - 976-2016	2017/04/05	B.C.	J.C.
03	ISSUED FOR CONSTR - B.O. 899-2015	04/2016	B.C.	J.C.
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: 2017/04/05  
ISSUED FOR CONSTRUCTION  
BY: J. SHUMKA  
DATE: 2017/04/05  
CONSULTANT NO.: 474248

ENGINEER'S SEAL  
21 JUNE 2017  
PROVINCE OF MANITOBA  
REGISTERED PROFESSIONAL ENGINEER  
F. J. ABSI  
Member  
38875

**THE CITY OF WINNIPEG**  
Winnipeg WATER AND WASTE DEPARTMENT  
SOUTH END WATER POLLUTION CONTROL CENTRE  
SEWPPC UPGRADING/EXPANSION PROJECT  
PROCESS  
BIOREACTOR 3  
LOWER LEVEL PLAN - PART C  
CITY DRAWING NUMBER: 1-0102-PGAD-R004  
SHEET: 001  
REV: 06  
SIZE: A1