A1 SIZE – 594mm x 841mm

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N

Q PGAD–R024 | P PGAD–R023 | N PGAD–R022 | M PGAD–R021 | L PGAD–R020 | K PGAD–R019 | J PGAD–R018

1r 2r 3r 4r 5r 6r 7r 8r 9r

Fr Gr Hr Jr Kr Lr

MATCH LINE, SEE DWG PGAD–R010

25–FC–PV03
25–FC–PV03
100–FSW–SS01
INV EL 236.750

AIT R1101

LT R1145 1

1 PGAD–R018

2 PGAD–R018

75–IAS–SS03
INV EL 238.300

LIT R1803

FV–R1121

W–R112

DAVIT TYPICAL

SL–R112A

200–ALP–SS03
CL EL 234.700

AE R1122

⊗ EL 234.400

SEE NOTE 1

BIOREACTOR 2

HV–R114D
HV–R114E
HV–R114F
HV–R114G
IN VERTICAL TYPICAL

XV–R1149

FLUSHING CONNECTION

150–ALP–SS03
TYP OF 4

FV–R131

DAVIT TYPICAL

SL–R113A

75–FSW–SS01
CL EL 237.400

500–ALP–SS03
INV EL 238.300

W–R113

⊗ EL 234.400

350–OF–SS01

H1 PGAD–R017

SG–R113A

HV–R140C
VALVE BOX

D PGAD–R015

D PGAD–R015

SG–R113B

150–ALP–SS03
150–ALP–SS03
100–ALP–SS03
500–ALP–SS03
150–ALP–SS03
INV EL 238.300

AE R1132

FV–R1047
FV–R1056
FV–R1057

150–ALP–SS03
500–ALP–SS03
100–ALP–SS03
150–ALP–SS03
150–ALP–SS03
75–IAS–SS03
INV EL 238.300

HV–115E
VALVE BOX

HV–R115B
HV–R115D

150–ALP–SS03
INV EL 238.300

HV–R114L

100–ALP–SS03
INV EL 238.300

LT R1145 2

2 PGAD–R018

AIT R1102

1 PGAD–R018

150–ALP–SS03
INV EL 238.300

75–IAS–SS01
SEE NOTE 2

HV–R114B
IN VERTICAL TYPICAL

150–ALP–SS03
INV EL 238.300

METAL BELLOWS EXPANSION JOINT, TYP

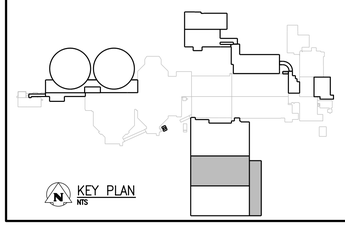
150–ALP–SS03
500–ALP–SS03
100–ALP–SS03
150–ALP–SS03
150–ALP–SS03
200–ALP–SS03
200–ALP–SS03
INV EL 238.300

MATCH LINE, SEE DWG PGAD–R012

75–IAS–SS03
INV EL 238.300

ROOF PLAN – PART B

1:100 0 1000 2000 3000 4000 5000



KEY PLAN NTS

NOTE:

1. COARSE BUBBLE AERATION REMOVABLE MANIFOLD ASSEMBLIES TYPICAL (REFER TO VENDOR DRAWINGS FOR PLACEMENT LOCATION AND DETAILS).
2. FIELD ROUTE IAS PIPING CONTINUATION TO INSTRUMENT AIR PANELS THROUGHOUT THE BIOREACTORS FACILITY. TYPICAL FOR ALL PANELS.

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	B.C.	J.C.

CH2MHILL
SNC·LAVALIN KGS GROUP

DESIGNED BY: F. ABSI	CHECKED BY: B. EDGAR
DRAWN BY: B. COOPER	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
27/01/2016
PROVINCE OF MANITOBA
F. J. ABSI
Member 36875
REGISTERED PROFESSIONAL ENGINEER

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

SOUTH END WATER POLLUTION CONTROL CENTRE
SEWPCC UPGRADING/EXPANSION PROJECT
PROCESS
BIOREACTOR 2
ROOF PLAN – PART B

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1–0102–PGAD–R011	001	00	A1

PLOT DATE: 1/27/2016

FILE NAME: 1–0102–PGAD–R011.dgn