A1 SIZE - 594mm x 841mm

FROM PRIMARY SLUDGE PIPING
1-0101D-A0215 — PS — 150ø

PRIMARY FEED A

FROM PRIMARY SLUDGE PIPING
1-0101D-A0215 — PS — 150ø

FROM HOT WATER SUPPLY PIPING
1-0101D-A0248 — HWS — 50ø — D111-HV1

D111-HV2

TO HOT WATER RETURN PIPING
1-0101D-A0248 — HWR — 50ø — D111-HV5

FROM SEAL WATER PIPING
1-0101D-A0244 — SW — 12ø

TO / FROM DIGESTER 9 SLUDGE RECIRCULATION
1-0101D-A0215 — DS — 150ø

AI DC D111 ZT
AO DB D111 TC
D111 ZY
D111 UY
IAS 2
PI
D111 TV
D111-HV4
D111-HV3
D111-HV1
D811-HV1
D811-HV2
D111 PI
D111 TI
D111 YV
D111 FG
S

AI DC D121 TT
D121 TT
D121 TE
LOS D177 HS A
R D177 MM 1
R D177 MM 2
MCC-2D
100ø
150ø

D177-DP14
7.46 kW
575V, 3ø
34.8 L/s

AI DC D111 TT
DI DC D111 MM
DI DC D111 YS
DO DC D111 MN
DO DC D111 MO
D111 TI
R D111 MM 1
R D111 MM 2
MCC-2D
D111 TT
D111 TE
COH D111 HS A
D111 KYO
LOS D111 HS B
D111 KYN
DV105B
DV70A
DV68C
DV68B
DV69C

D111-DP8
18.7 kW
575V, 3ø
50 L/s

150ø — DS — FROM DIGESTER 11
1-0101D-A0211

FROM HOT FLUSHING WATER SYSTEM
50ø — FW — 1-0101D-A0245-002

TO DIGESTER 11
150ø — DS — 1-0101D-A0211

CONSTRUCTION NOTES:

06

1. REPLACE SPIRAL HEAT EXCHANGER.
2. REPLACE EXISTING SLUDGE ISOLATION VALVES WITH BALL VALVES.
3. REPLACE HOT WATER MIXING VALVE, ACTUATOR, AND ASSOCIATED CONTROLS.
4. REPLACE EXISTING HOT WATER ISOLATION VALVES WITH BALL VALVES.

1-0101A-A0001	PROCESS AND INSTRUMENT DIAGRAMS LEGEND AND DETAILS
DRAWING NUMBER	REFERENCE DRAWINGS

ENGINEERS GEOSCIENTISTS MANITOBA
Certificate of Authorization
AtkinsRéalis Canada Inc.
No. 4489

B.M. ELEV. | FIELD BOOK #:

POSTED TO LBIS

NO.	REVISIONS	DATE	BY
06	ISSUE FOR CONSTRUCTION, PROJECT S-1287	2024/03/04	NL
05	REVISE TO AS BUILT	2024/03/01	NL
04	ISSUED FOR CONSTRUCTION	2008/11/20	CJR
03	ISSUED FOR REVIEW	2008/07/08	CJR
02	RENUMBERED FACILITY CODE	2005/10/06	CJR
01	ISSUED FOR C.O.W. USE	2005/09/15	CJR
00	RELEASED FOR CUSTOMER REVIEW	2005/08/22	CJR

AtkinsRéalis
148 Nature Park Way, Winnipeg, Manitoba
Canada R3P 0X7 204-786-8080

DESIGNED BY	EXISTING	CHECKED BY	CJR
DRAWN BY	CJR	APPROVED BY	EMR
HOR. SCALE	NTS	RELEASED FOR CONSTRUCTION	
VERTICAL			
DATE	2005/05/12	DATE	2008/11/20

FILENAME: 1-0101D-A0217-001-06.dwg

ENGINEER'S SEAL
2024-03-05
PROVINCE OF MANITOBA
N.C. LEE
Member 23965
REGISTERED PROFESSIONAL ENGINEER

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

NORTH END WATER POLLUTION CONTROL CENTRE
DIGESTERS
PROCESS & INSTRUMENTATION DIAGRAM
SLUDGE RECIRCULATION SYSTEM
DIGESTER TANK 11

CITY DRAWING NUMBER	SHEET	REV.	SIZE
1-0101D-A0217	001	06	D

LAST SAVE: 2024/03/05 - 12:33pm
PATH: W:\697344\ENG\5MEC\0D - General DWG\1-0101D-A0217-001-06.dwg