

FROM HOT WATER SUPPLY PIPING

1-0101D-A0248 HWS 75ø

D815-HV1

D815-HV2

TO HOT WATER RETURN PIPING

1-0101D-A0248 HWR 75ø

D815-HV6

FROM FLUSHING WATER PIPING

1-0101D-A0245-001 FW 38ø

TO / FROM D116-1DP13 DISCHARGE

1-0101D-A0220 DS 200ø

D817-HV2

FROM FLUSHING WATER PIPING

1-0101D-A0245-001 FW 12ø

TO / FROM DIGESTER 14 SLUDGE RECIRCULATION

1-0101D-A0220 DS 200ø

D818-HV1

FROM PRIMARY SLUDGE PIPING

1-0101D-A0207 PS 200ø

PRIMARY FEED A

TO / FROM DIGESTER 14 HEAT EXCHANGER DISCHARGE

150ø DS 1-0101D-A0220

TO DIGESTER 13

200ø DS 1-0101D-A0213

FROM DIGESTER 13

200ø DS 1-0101D-A0213

CONSTRUCTION NOTES:

- ① REPLACE SPIRAL HEAT EXCHANGER.
- ② REPLACE SLUDGE ISOLATION VALVES AT HIGH LEVEL WITH BALL VALVES C/W CHAIN WHEEL.
- ③ REPLACE HOT WATER MIXING VALVE, ACTUATOR, AND ASSOCIATED CONTROLS.
- ④ REPLACE EXISTING HOT WATER ISOLATION VALVES WITH BALL VALVES.

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

NO.	REVISIONS	DATE	BY
06	ISSUED 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	2005/04/20
		DATE	2008/11/20

FILENAME: 1-0101D-A0219-001-06.dwg

THE CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT

NORTH END WATER POLLUTION CONTROL CENTRE
 DIGESTERS
 PROCESS & INSTRUMENTATION DIAGRAM
 SLUDGE RECIRCULATION SYSTEM
 DIGESTER 13

CITY DRAWING NUMBER: 1-0101D-A0219
 SHEET: 001
 REV.: 05
 SIZE: D

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