AI Y114 FE

Y114 FIT

Y114 FE

100ø — FW

FLUSHING WATER (METER LOCATION IN DEWATERING BLDING)

HAULED WASTEWATER RECEIVING MANHOLE MH-1

AI Y113 FT

0-100 L/s Y113 FIT

Y113 FE

RS 300ø 250ø

100ø FE Y781 XV (TYP.)

FROM FLUSHING WATER LINE 2

Y782 XV (TYP.) 50ø FE

250ø RS

RS 50ø Y911 HV

RS 50ø Y912 HV

MANUAL SAMPLE PORT

AI Y111 LT

DI Y111 LH

DI Y111 LL

AI Y114 AT

0-100% LEL Y114 AIT

Y114 AE HYDROCARBON 3

0-1940 mm Y111 LIT

Y111 LE

1700 mm Y111 LSH

150 mm Y111 LSL

HAULED WASTEWATER HOLDING TANK #1

DI Y211 ZB

DI Y211 ZD

DO Y211 VB

DO Y211 VD

CLS Y211 ZSB

OPN Y211 ZSD

L/R Y211 HS 1

O/C Y211 HS 2

M Y211 XV

Y211 HV

RS 300ø

32ø FE Y783 XV (TYP.)

FROM FLUSHING WATER LINE 2

RS 100ø

RS 300ø

RS 300ø

HAULED WASTEWATER MANHOLE MH-3

300ø RS MAIN INTERCEPTOR

PACKAGED SAMPLER Y910-S

DI Y910 YS 2

DI Y910 YS 1

DO Y910 AN

R Y910 YL AUTO

HOA Y910 HS 1

INT/COM Y910 HS 2

EJECT Y910 HS 3

R Y910 AM CYCLING

I

Y910 HS 4

DI Y910 AF

DI Y910 AM

DI Y910 HS 4

RS 50ø

SAMPLER CARROUSEL

DO Y910 MN

Y910 ZS 1

DI Y910 ZS 1

Y910 ZS 2

DI Y910 ZS 2

REFRIGERATOR

1-0101Y-A0007-001 PD 50ø

FROM SUMP PUMP Y560-SMP

AI Y123 FT

0-100 L/s Y123 FIT

HAULED WASTEWATER RECEIVING MANHOLE MH-2

Y123 FE

RS 300ø 250ø

100ø FE Y791 XV (TYP.)

FROM FLUSHING WATER LINE 2

Y792 XV (TYP.) 50ø FE

250ø RS

RS 50ø Y921 HV

RS 50ø Y922 HV

MANUAL SAMPLE PORT

AI Y121 LT

DI Y121 LH

DI Y121 LL

AI Y124 AT

0-100% LEL Y124 AIT

Y124 AE HYDROCARBON 3

0-1940 mm Y121 LIT

Y121 LE

1700 mm Y121 LSH

150 mm Y121 LSL

HAULED WASTEWATER HOLDING TANK #2

DI Y221 ZB

DI Y221 ZD

DO Y221 VB

DO Y221 VD

CLS Y221 ZSB

OPN Y221 ZSD

L/R Y221 HS 1

O/C Y221 HS 2

M Y221 XV

Y221 HV

RS 300ø

32ø FE Y793 XV (TYP.)

FROM FLUSHING WATER LINE 2

RS 100ø

2 PACKAGED SAMPLER S-Y920

DI Y920 YS 2

DI Y920 YS 1

DO Y920 AN

R Y920 YL AUTO

HOA Y920 HS 1

INT/COM Y920 HS 2

EJECT Y920 HS 3

R Y920 AM CYCLING

I

Y920 HS 4

DI Y920 AF

DI Y920 AM

DI Y920 HS 4

RS 50ø

SAMPLER CARROUSEL

DO Y920 MN

Y920 ZS 1

DI Y920 ZS 1

Y920 ZS 2

DI Y920 ZS 2

REFRIGERATOR

CONSTRUCTION NOTES:

1 TYPICAL SIGNALS FOR ON/OFF VALVE.

DI Yxxx ZB — DI Yxxx ZD — DO Yxxx VB — DO Yxxx VD

CLS Yxxx ZSB — OPN Yxxx ZSD — L/R Yxxx HS 1 — O/C Yxxx HS 2

(TYP.) M Yxxx XV

2 REPLACE SAMPLER/REWIRE AND REPIPE.

3 CONFIRM TAGGING OF HYDROCARBON DETECTION IN EACH HOLDING TANK. TERMINATE WIRING IN EXISTING PLC CABINET, AS AVAILABLE.

HAULED WASTEWATER BUILDING NO. 1
(FORMERLY HAULED WASTEWATER BUILDING)

HAULED WASTEWATER BUILDING NO. 2
(FORMERLY LEACHATE RECEIVING BUILDING)

WARNING

IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:

1) NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.

2) TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.

SEE PROVINCIAL REGULATION 140/92 FOR DETAILS

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

APEGM
Certificate of Authorization
Stantec Consulting Ltd.
No. 1301

LOCATION APPROVED
UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES COMMITTEE — DATE

NOTE:
LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

B.M. ELEV.

NO.	REVISIONS	DATE	BY
14	ISSUED FOR TENDER	16.03.09	D.R.
13	REVISED AS PER PHASE 2 UPGRADES	16.03.07	D.R.
12	ISSUED FOR TENDER REVIEW	16.03.02	D.R.
11	ISSUED FOR 95% REVIEW	16.01.29	D.R.

Stantec
500-311 Portage Ave, Winnipeg MB Canada
www.stantec.com

DESIGNED BY	S.L.	CHECKED BY	D.R.
DRAWN BY	E.G.D.	APPROVED BY	S.K.B.
HOR. SCALE: VERTICAL:	AS NOTED	RELEASED FOR CONSTRUCTION:	
DATE	2016.01.12	DATE	

PLOT DATE: 2016 03 08

ENGINEER'S SEAL
PROVINCE OF MANITOBA D. L. ROBINSON 22543 REGISTERED PROFESSIONAL ENGINEER
2016-03-09

Winnipeg

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

NORTH END SEWAGE TREATMENT PLANT (NEWPCC)
HAULED LIQUID WASTE FACILITY PHASE II UPGRADE
HAULED WASTEWATER BUILDING I
PROCESS & INSTRUMENTATION DIAGRAM
RECEIVING MANHOLES & HOLDING TANKS

TENDER NO.	CITY DRAWING NUMBER	SHEET	OF
952-2015	I-0101Y-A0001-001	6	20

BID OPPORTUNITY: 952-2015

FILE PATH: V:\1112\active\111216000\0300_drawing\0302_sheet_files\10_instrumentation\
FILE NAME: 1-0101Y-A0001-001.dwg

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