EXACT LOCATION OF 100 FLUSHING WATER CONNECTION TO BE DETERMINED IN THE FIELD

SLUDGE DEWATERING BUILDING

LANE NO. 1 HAULED WASTEWATER

300 WWS

200 VENT PIPE

MH 1

ABAND. 300 WWS

300 LDS

CAUTION: WWS

CAUTION: GAS

GAS

ABAND. 50 PE RAW WATER

BREAK INTO EX. PIPE AND INSTALL 300 WYE FW CONNECTION (TYP.) REFER TO DWG. P0004

INSTALL 100 GATE VALVE

INSTALL 100 TEE

100 ø PVC FLUSHING WATER LINE FROM DEWATERING BLDG. TO LEACHAGE SAMPLING BLDG. (MIN. 2.4m COVER)

100 ø FLUSHING WATER LINE

HAULED WASTEWATER BLDG. 1 (FORMERLY HAULED WASTEWATER BLDG.)

MH 3

200 LEACHATE FM

200 SLUDGE FM

MTS

375 WWS

50 WATER SERVICE

LANE 2 HAULED WASTEWATER

250 DUCT BANK

100 PVC WM

MH 2

25 GAS

150 CONDUIT

150 VENT PIPE

ABAND. 35 SPRINKLER SYSTEM

375 LDS

LANE 3 HAULED WASTEWATER

MH 9

CAUTION: WWS (2)

MH 4

CONNECT INSULATED TUBING AT BLDG. NO.2

MH 5

ABAND. 375 LDS

INSTALL 100 GATE VALVES

INSTALL INSULATED TUBING

100 ø FLUSHING WATER LINE

INSTALL 100 TEE

INSTALL 19 ø COPPER POTABLE WATER SERVICE FROM BLDG. NO. 2 TO LEACHATE SAMPLING BLDG. (MIN. 2.4m COVER)

CONNECT 19 WATER SERVICE TO EX. 50 WATER SERVICE INV.=227.62

HAULED WASTEWATER BLDG. 2 (FORMERLY LEACHATE RECEIVING BLDG.)

INSTALL CONNECTION VAULT

EX. 150 CONDUIT TO REMAIN

MH 6

MH 13

MH 13A

PVC

EX. HEATED DUMP PAD TO BE REMOVED FOR MH 7 MODIFICATIONS AND REPLACED AS SHOWN

100 ø FLUSHING WATER LINE

MH 7

CAUTION: WWS

CAUTION: WM

52.0–300 PVC WWS @ 2.19%

LANE 4 LEACHATE / H.L.W.

INSTALL HYDRONIC PIPING FOR MH 7 PAD

CONNECT 100 DRAIN TO EX. 300 WWS INV.=229.05 4.0–100 INSULATED DRAIN PIPE @ 2.00%

MH 8

CONNECT 300 WWS TO EX. 300 WWS WITH 300 WYE MATCH EX. INV.

INSTALL CAMLOCK CONNECTION C/W SWING GATE ASSEMBLY (SEE DETAIL 1 ON DWG. 1–0101X–P0002–001)

INV. 100 DRAIN PIPE @ BLDG.=229.13

ABAND. 35 SPRINKLER SYSTEM

300 LEACHATE WWS

CONNECT 300 WWS TO LEACHATE SAMPLING BUILDING INV. 300=228.50

231.125

300–22.5° BEND

INV. @ 100–90° BEND =228.40

FUTURE 300 WWS

CONNECT TO BLDG. THROUGH SLAB FLOOR INV. 100=228.40

1.2m WIDE CONCRETE SIDEWALK (SD–0228 A)

HYDRONIC CONNECTION VAULT (TYP.)

150 WM

375 LDS

MH 11

WALL PENETRATION FOR FUTURE LEACHATE LINE FOR FUTURE LANE

REMOVE EX. TREE

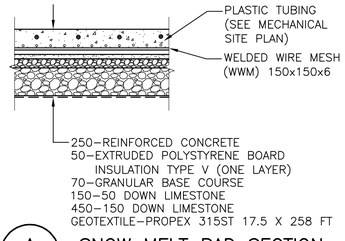
REMOVE EX. CONNECTION VAULT

PROPOSED LEACHATE SAMPLING BUILDING FLOOR ELEV.=230.75

W. side Main St. on the grounds of the North End Treatment Plant. U.T.M. coordinates are N:5534816.615, E:635804.484

LEACHATE BLDG. CORNERS (INSIDE)			
BLDG. CORN	NORTHING	EASTING	OUTSIDE GRADE
NW CORN	5534835.357	635789.047	231.100
NE CORN	5534833.464	635793.030	231.100
SW CORN	5534830.462	635786.720	231.100
SE CORN	5534828.569	635790.703	231.100

NOTES:
1. LOCATIONS OF UNDERGROUND UTILITIES SHOULD BE ASSUMED TO BE APPROXIMATE. CONTRACTOR TO VERIFY EXACT LOCATIONS AND ELEVATIONS IN THE FIELD PRIOR TO CONSTRUCTION.
2. ALL PROPOSED UNDERGROUND PIPING TO BE INSTALLED BY TRENCHLESS METHODS.
3. TRENCHES AND EXCAVATIONS WITHIN 1 METRE OF A PAVED AREA INCLUDING SIDEWALKS SHALL BE CLASS 3 BACKFILL.
4. ALL CONSTRUCTION METHODS AND MATERIALS SHALL CONFORM TO THE LATEST VERSION OF THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATION.
5. SEE PROCESS DRAWINGS FOR DETAILS OF NEW CONNECTIONS TO BUILDINGS.
6. CONCRETE PAD FOR MH 7 TO BE AS PER CW 3235.



A – SNOW MELT PAD SECTION
N.T.S.

APEGM
Certificate of Authorization
Stantec Consulting Ltd.
No. 1301

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

EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED
150 WM	WATERMAIN	150 WM		M.T.S.	
⊹	HYDRANT	✦		CONCRETE	
⊗	VALVE	⊗		ASPHALT	
300 LDS	LAND DRAINAGE SEWER	300 LDS		SIDEWALK	
250 WWS	WASTE WATER SEWER	250 WWS		PROPERTY LINE	
	VENT PIPING		⊕	SURVEY BAR	✦
○	MANHOLE	●	▷	DITCH	→
□	CATCH BASIN	■	31.334	ELEVATION	(32.231)
	GAS		▯	MECHANICAL PIPE COUPLING	▯
	HYDRO		⊣	PIPE PLUG	⊣
▷	REDUCER	▷	⊙	BOLLARD	⊙

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. BENCHMARK #2
ELEV. 230.670

NO.	REVISIONS	DATE	BY
4	ISSUED FOR ADDENDUM 4	16.04.01	J.K.H.
3	ISSUED FOR TENDER	16.03.09	R.M.S.
2	ISSUED FOR TENDER REVIEW	16.03.07	R.M.S.
1	ISSUED FOR 95% REVIEW	16.01.29	S.K.B.

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

DESIGNED BY	J.K.H.	CHECKED BY	S.K.B.
DRAWN BY	J.K.H.	APPROVED BY	R.M.S.
HOR. SCALE: 1:150 VERTICAL:		RELEASED FOR CONSTRUCTION:	
DATE	2016.01.12	DATE	

ENGINEER'S SEAL

ORIGINAL SEALED BY R.M. SHERLOCK P. ENG. 16/03/09

Winnipeg
THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

NORTH END SEWAGE TREATMENT PLANT (NEWPCC)
HAULED LIQUID WASTE FACILITY PHASE II UPGRADE

PROPOSED LEACHATE SAMPLING BUILDING SERVICES AND HYDRONIC PIPING PLAN FOR MH 7 PAD

TENDER NO. 952–2015

CITY DRAWING NUMBER 1–0101X–C0001–001

SHEET 3 OF 4

01/000

PLOT DATE: 2016 03 31

BID OPPORTUNITY:

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FILE NAME: 1–0101X–C0001–001.dwg