



- 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. EX. VENT PIPING TO REMAIN IN OPERATION DURING CONSTRUCTION AS PER THE CONSTRUCTION PLAN.
 6. SEE PROCESS DRAWINGS FOR DETAILS OF NEW CONNECTIONS TO BUILDINGS.
 7. SEE DRAWING S0012 FOR TYPICAL VENT PIPE SUPPORT BRACKET DETAIL AT HAULED WASTEWATER BUILDINGS.

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

150 WM	WATERMAIN	150 WM	M.T.S.	CONCRETE
⊕	HYDRANT	⊕	CONCRETE	CONCRETE
⊕	VALVE	⊕	ASPHALT	ASPHALT
⊕	LAND DRAINAGE SEWER	⊕	SIDEWALK	SIDEWALK
⊕	WASTE WATER SEWER	⊕	PROPERTY LINE	PROPERTY LINE
⊕	VENT PIPING	⊕	SURVEY BAR	SURVEY BAR
⊕	MANHOLE	⊕	DITCH	DITCH
⊕	CATCH BASIN	⊕	ELEVATION	(32.25)
⊕	GAS	⊕	MECHANICAL PIPE COUPLING	MECHANICAL PIPE COUPLING
⊕	HYDRO	⊕	PIPE PLUG	PIPE PLUG
⊕	REDUCER	⊕	BOLLARD	BOLLARD
⊕	EXISTING	⊕	LEGEND-PLAN	LEGEND-PLAN
⊕	PROPOSED	⊕	PROPOSED	PROPOSED

LOCATION APPROVED UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES	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
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.

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DESIGNED BY	CHECKED BY
J.K.H.	S.K.B.
DRAWN BY	APPROVED BY
J.K.H.	R.M.S.

HOR. SCALE: 1:150
VERTICAL:

RELEASED FOR CONSTRUCTION:

DATE: 2016.01.12

ENGINEER'S SEAL
PROVINCE OF MANITOBA
REGISTERED PROFESSIONAL ENGINEER
MEMBER 24045

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

Winnipeg

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

PROPOSED HAULED WASTEWATER VENT PIPING PLAN

TENDER NO. 952-2015
CITY DRAWING NUMBER I-OI0Y-C0002-001
SHEET 4 OF 4