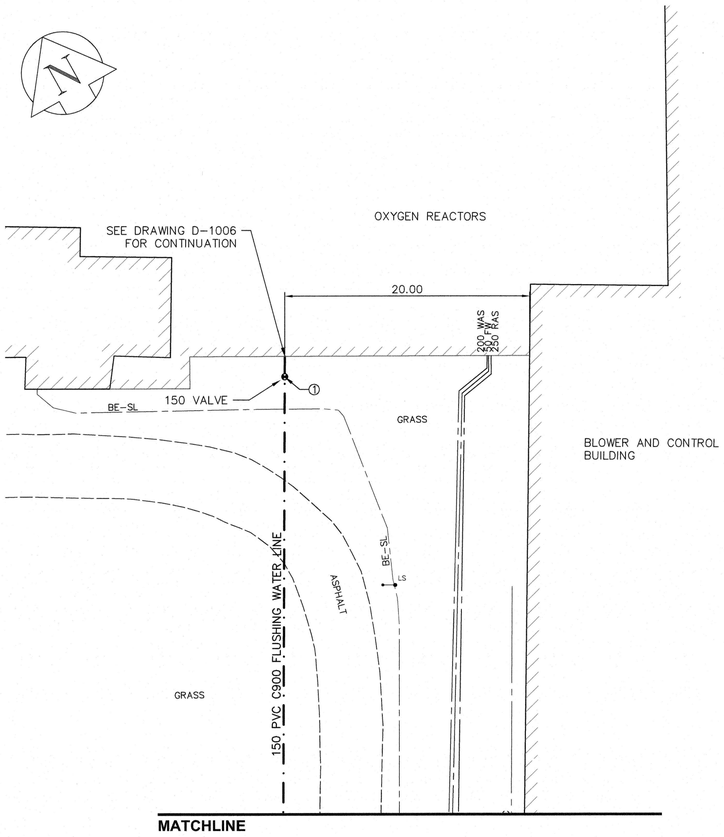
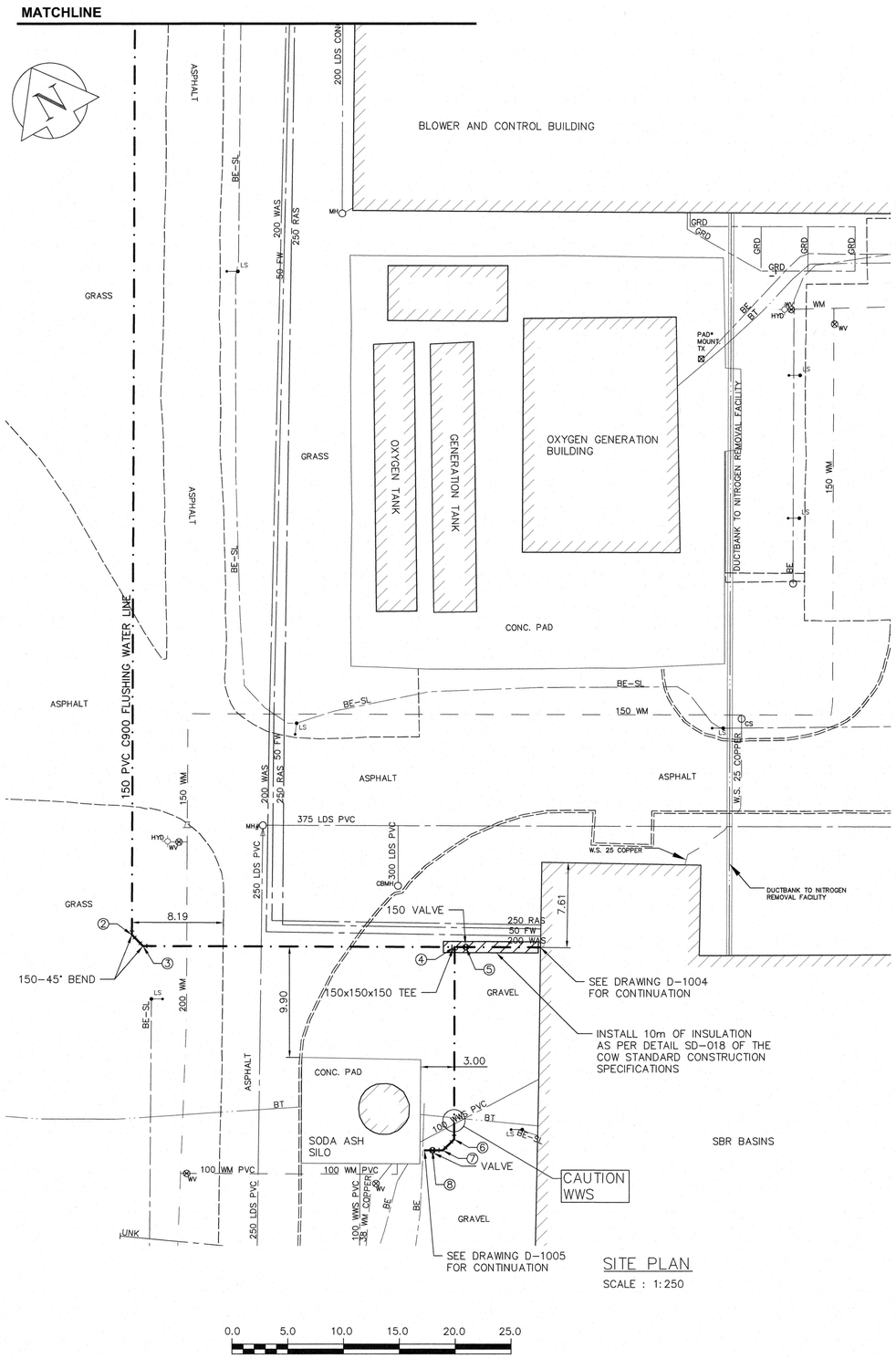




U/G UTILITY LEGEND	
GAS	GAS
G.S.	GAS SERVICE
WM	WATERMAIN
W.S.	WATER SERVICE
WWS	WASTE WATER SEWER
WWS LAT.	WASTE WATER SEWER LATERAL
LDS	LAND DRAINAGE SEWER
LDS LAT.	LAND DRAINAGE SEWER LATERAL
WAS	WASTE ACTIVATED SLUDGE
RAS	RETURN ACTIVATED SLUDGE
FW	FLUSHING WATER
BE	BURIED ELECTRIC
BE-SL	BURIED ELECTRIC STREET LIGHT
GRD	GROUND WIRE
UNK	UNKNOWN
FOC	FIBRE OPTIC CABLE
TV	CABLE TV
BT	BURIED TELECOMMUNICATIONS
" "	OVERHEAD WIRE

CONSTRUCTION NOTES

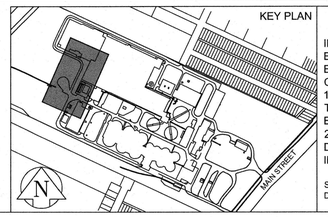
1. LOCATION OF ALL EXISTING UTILITIES TO BE CONFIRMED IN THE FIELD.
2. INSTALL FLUSHING WATER LINE BY TRENCHLESS METHODS.
3. TRENCHES AND EXCAVATIONS WITHIN 1 METRE OF PAVED OR GRAVELED ROADWAY AND PARKING AREAS INCLUDING SIDEWALKS SHALL BE CLASS 3 BACKFILL.
4. ALL MATERIALS SHALL CONFORM TO THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.
5. MINIMUM COVER TO TOP OF FLUSHING WATER LINE 2.6m.
6. NOTIFIED CITY 24 HOURS IN ADVANCE OF ANY WATER SHUTDOWNS OR DISRUPTION OF SERVICE.
7. REPAIR GRAVEL AREAS WITH A-BASE TO A THICKNESS TO MATCH EXISTING OR MIN. 150mm.

EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PROFILE	NEW
150 WM	WATERMAIN	150 WM		LAMP STANDARD		150 WM	WATERMAIN	150 WM
	HYDRANT			CURB STOP		300 LDS	LAND DRAINAGE SEWER	300 LDS
⊗	VALVE			REDUCER		250 WWS	WASTE WATER SEWER	250 WWS
300 LDS	LAND DRAINAGE SEWER	300 LDS		COUPLING			PAVEMENT CROWN	
250 WWS	WASTE WATER SEWER	250 WWS		HYDRO			GROUNDLINE	
○	MANHOLE	●		MTS				
□	CATCH BASIN	■		GAS				
△	CURB INLET	▲		FLOW ARROW				
	SUBDRAIN			CONCRETE				
⊠	PARKING LOT OUTLET			EDGE ROAD				
	SURVEY BAR			CURB				

Point Table			
Point #	Northing	Easting	Description
1	5535186.93	635435.41	150 VALVE
2	5535081.15	635385.19	45° BEND
3	5535079.82	635385.66	45° BEND
4	5535067.85	635410.87	150x150x150 TEE
5	5535067.42	635411.78	150 VALVE
6	5535052.34	635403.51	45° BEND
7	5535051.86	635402.17	45° BEND
8	5535052.26	635401.33	150 VALVE

APEGM Certificate of Authorization
AECOM Canada Ltd.
No. 4671 Date: April 5/16

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES



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 210/72 FOR DETAILS

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 (YY/MM/DD)	BY
00	ISSUED FOR TENDER: BID OP 145-2016	16/04/06	GDL

AECOM

DESIGNED BY	GDL	CHECKED BY	KWF
DRAWN BY	GDL	APPROVED BY	KJS
SCALE: HORIZONTAL	AS NOTED	RELEASED FOR CONSTRUCTION	
SCALE: VERTICAL			
DATE	2016 04 05	DATE	
PLOT DATE:	2016 04 05		

PROVINCE OF MANITOBA K.W. FITCHETT April 5/16 REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NUMBER C-1001

BID OPPORTUNITY: 145-2016

Winnipeg

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT
ENGINEERING DIVISION

2016 NEWPCC
SBR UPGRADES
CIVIL
FLUSHING WATER
PLAN

CITY DRAWING NUMBER 1-0101C-C0017-001-00

SHEET 1 OF 18

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