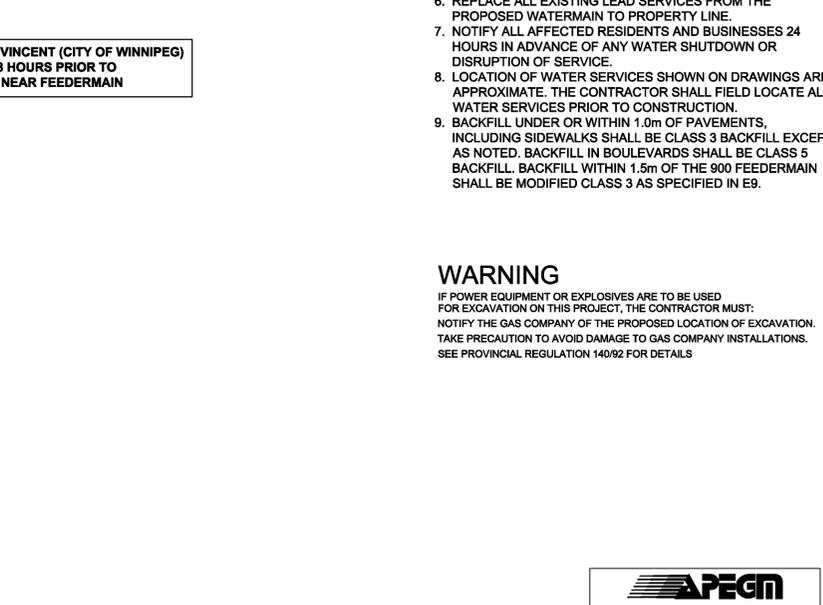
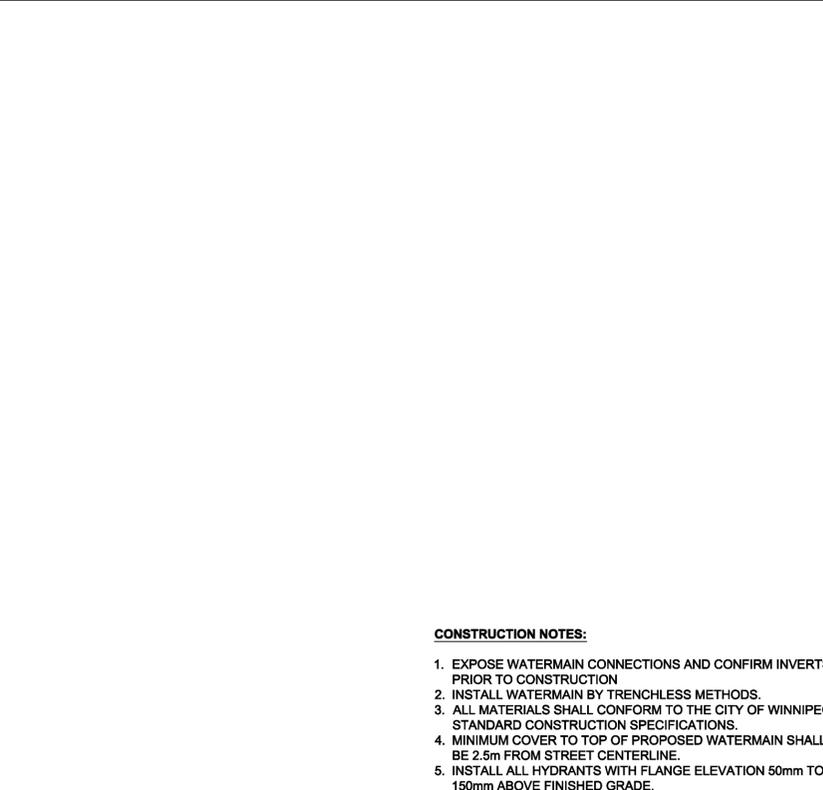


ADDRESS	NATURE OF SERVICE	SIZE	MATERIAL	DISTANCE SC TO PROPERTY	POSITION OF SC (curb stop)	POSITION OF CC (corp)	COMMENTS:
255	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (33.2 m) N of SL WESTMINSTER HOUSE	Long: (1.1 m) N of SL HOUSE	
259	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.3 m)	Long: (54.8 m) N of NL WESTMINSTER #263	Long: (0.6 m) N of SL HOUSE	
263	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.6 m)	Long: (54.9 m) N of NL WESTMINSTER #263	Long: (0.9 m) N of SL HOUSE	
265 & 271	AUBREY ST	RESIDENTIAL	5/8 in (16 mm) LEAD	(0.5 m)	Long: (70.4 m) N of NL WESTMINSTER #271	Long: (0.6 m) N of SL HOUSE	RENEW TO PROPERTY
270	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (33.2 m) N of NL WESTMINSTER	Long: (3.0 m) S of NL #273	MAIN TAPPED OPPOSITE SIDE
272	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (44.5 m) N of NL WESTMINSTER	Long: (1.4 m) S of SL HOUSE	MAIN TAPPED OPPOSITE SIDE
273 & 275	AUBREY ST	RESIDENTIAL	5/8 in (16 mm) LEAD	(0.3 m)	Long: (84.1 m) N of NL WESTMINSTER	Long: (0.6 m) S of NL NO #273	RENEW TO PROPERTY
274	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (62.8 m) N of NL WESTMINSTER	Long: (84.4 m) N of NL WESTMINSTER	MAIN TAPPED OPPOSITE SIDE
276	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (2.3 m) N of NL HOUSE	Long: (1.5 m) S of SL HOUSE	RENEW TO PROPERTY
277	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (63.1 m) N of SL WESTMINSTER	Long: (1.5 m) S of SL HOUSE	MAIN TAPPED OPPOSITE SIDE
278	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.6 m)	Long: (8.2 m) S of NL HOUSE	Long: (1.2 m) S of SL HOUSE	RENEW TO PROPERTY
279	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.6 m)	Long: (100.6 m) N of NL WESTMINSTER	Long: (100.6 m) N of NL WESTMINSTER	
280	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (81.8 m) N of SL WESTMINSTER	Long: (1.8 m) N of SL HOUSE	MAIN TAPPED OPPOSITE SIDE
282	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.6 m)	Long: (100.9 m) N of NL WESTMINSTER	Long: (1.8 m) N of SL HOUSE	
284	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (1.8 m) S of SL HOUSE	Long: (0.6 m) N of SL HOUSE	MAIN TAPPED OPPOSITE SIDE
286	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (83.7 m) N of SL HOUSE	Long: (1.2 m) S of SL HOUSE	MAIN TAPPED OPPOSITE SIDE
288	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.6 m)	Long: (9.0 m) N of SL HOUSE	Long: (2.7 m) N of NL HOUSE	MAIN TAPPED OPPOSITE SIDE
295	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.3 m)	Long: (4.4 m) N of SL HOUSE	Long: (0.8 m) S of NL HOUSE	MAIN TAPPED OPPOSITE SIDE
297	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.3 m)	Long: (117.7 m) N of NL WESTMINSTER	Long: (1.5 m) S of SL HOUSE	
299	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (2.7 m) S of NL HOUSE	Long: (0.6 m) S of NL HOUSE	
301	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (120.1 m) N of NL WESTMINSTER	Long: (117.7 m) N of NL WESTMINSTER	
303	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (0.6 m) N of SL HOUSE	Long: (0.6 m) N of SL HOUSE	
305	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (157.6 m) S of SL PORTAGE	Long: (157.6 m) S of SL PORTAGE	

ADDRESS	NATURE OF SERVICE	SIZE	MATERIAL	DISTANCE SC TO PROPERTY	POSITION OF SC (curb stop)	POSITION OF CC (corp)	COMMENTS:
278	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (81.8 m) N of SL WESTMINSTER	Long: (1.8 m) N of SL HOUSE	MAIN TAPPED OPPOSITE SIDE
279	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.6 m)	Long: (100.9 m) N of NL WESTMINSTER	Long: (1.8 m) N of SL HOUSE	
280	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (1.8 m) S of SL HOUSE	Long: (0.6 m) N of SL HOUSE	MAIN TAPPED OPPOSITE SIDE
282	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (83.7 m) N of SL HOUSE	Long: (1.2 m) S of SL HOUSE	MAIN TAPPED OPPOSITE SIDE
284	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (9.0 m) N of SL HOUSE	Long: (2.7 m) N of NL HOUSE	MAIN TAPPED OPPOSITE SIDE
286	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (4.4 m) N of SL HOUSE	Long: (0.8 m) S of NL HOUSE	MAIN TAPPED OPPOSITE SIDE
288	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.6 m)	Long: (117.7 m) N of NL WESTMINSTER	Long: (1.5 m) S of SL HOUSE	
295	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.3 m)	Long: (2.7 m) S of NL HOUSE	Long: (0.6 m) S of NL HOUSE	
297	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.3 m)	Long: (120.1 m) N of NL WESTMINSTER	Long: (117.7 m) N of NL WESTMINSTER	
299 & 301	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (0.6 m) N of SL HOUSE	Long: (0.6 m) N of SL HOUSE	

EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PLAN	NEW	EXISTING	LEGEND - PROFILE	NEW
150 WM	WATERMAIN	150 WM	CURB STOP	REDUCER	150 WM	WATERMAIN	HYDRANT	150 WM
300 LDS	LAND DRAINAGE SEWER	300 LDS	ANODE	COUPLING	300 LDS	LAND DRAINAGE SEWER	VALVE	300 LDS
250 WWS	WASTE WATER SEWER	250 WWS	HYDRO	MANHOLE	250 WWS	WASTE WATER SEWER	PAVEMENT CROWN	250 WWS
MANHOLE	MANHOLE	MANHOLE	MTS	CATCH BASIN	MANHOLE	PAVEMENT CROWN	N/W PROPERTY LINE	MANHOLE
CATCH BASIN	CATCH BASIN	CATCH BASIN	GAS	CURB INLET	CATCH BASIN	N/W PROPERTY LINE	S/E PROPERTY LINE	CATCH BASIN
CURB INLET	CURB INLET	CURB INLET	TESTHOLE	CULVERT	CURB INLET	S/E PROPERTY LINE	N/W GUTTER	CULVERT
CULVERT	CULVERT	CULVERT	LAMP STANDARD	PIPE ABANDONMENTS	CULVERT	N/W GUTTER	S/E GUTTER	PIPE ABANDONMENTS
PIPE ABANDONMENTS	PIPE ABANDONMENTS	PIPE ABANDONMENTS	TREE	SURVEY BAR	PIPE ABANDONMENTS	S/E GUTTER		SURVEY BAR



ADDRESS	NATURE OF SERVICE	SIZE	MATERIAL	DISTANCE SC TO PROPERTY	POSITION OF SC (curb stop)	POSITION OF CC (corp)	COMMENTS:
278	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (81.8 m) N of SL WESTMINSTER	Long: (1.8 m) N of SL HOUSE	MAIN TAPPED OPPOSITE SIDE
279	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.6 m)	Long: (100.9 m) N of NL WESTMINSTER	Long: (1.8 m) N of SL HOUSE	
280	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (1.8 m) S of SL HOUSE	Long: (0.6 m) N of SL HOUSE	MAIN TAPPED OPPOSITE SIDE
282	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (83.7 m) N of SL HOUSE	Long: (1.2 m) S of SL HOUSE	MAIN TAPPED OPPOSITE SIDE
284	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (9.0 m) N of SL HOUSE	Long: (2.7 m) N of NL HOUSE	MAIN TAPPED OPPOSITE SIDE
286	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (4.4 m) N of SL HOUSE	Long: (0.8 m) S of NL HOUSE	MAIN TAPPED OPPOSITE SIDE
288	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.6 m)	Long: (117.7 m) N of NL WESTMINSTER	Long: (1.5 m) S of SL HOUSE	
295	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.3 m)	Long: (2.7 m) S of NL HOUSE	Long: (0.6 m) S of NL HOUSE	
297	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.3 m)	Long: (120.1 m) N of NL WESTMINSTER	Long: (117.7 m) N of NL WESTMINSTER	
299 & 301	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (0.6 m) N of SL HOUSE	Long: (0.6 m) N of SL HOUSE	

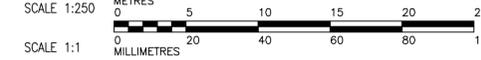
ADDRESS	NATURE OF SERVICE	SIZE	MATERIAL	DISTANCE SC TO PROPERTY	POSITION OF SC (curb stop)	POSITION OF CC (corp)	COMMENTS:
278	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (81.8 m) N of SL WESTMINSTER	Long: (1.8 m) N of SL HOUSE	MAIN TAPPED OPPOSITE SIDE
279	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.6 m)	Long: (100.9 m) N of NL WESTMINSTER	Long: (1.8 m) N of SL HOUSE	
280	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (1.8 m) S of SL HOUSE	Long: (0.6 m) N of SL HOUSE	MAIN TAPPED OPPOSITE SIDE
282	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (83.7 m) N of SL HOUSE	Long: (1.2 m) S of SL HOUSE	MAIN TAPPED OPPOSITE SIDE
284	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (9.0 m) N of SL HOUSE	Long: (2.7 m) N of NL HOUSE	MAIN TAPPED OPPOSITE SIDE
286	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (4.4 m) N of SL HOUSE	Long: (0.8 m) S of NL HOUSE	MAIN TAPPED OPPOSITE SIDE
288	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.6 m)	Long: (117.7 m) N of NL WESTMINSTER	Long: (1.5 m) S of SL HOUSE	
295	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.3 m)	Long: (2.7 m) S of NL HOUSE	Long: (0.6 m) S of NL HOUSE	
297	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.3 m)	Long: (120.1 m) N of NL WESTMINSTER	Long: (117.7 m) N of NL WESTMINSTER	
299 & 301	AUBREY ST	RESIDENTIAL	3/4 in (19 mm) COPPER	(0.5 m)	Long: (0.6 m) N of SL HOUSE	Long: (0.6 m) N of SL HOUSE	

- CONSTRUCTION NOTES:**
- EXPOSE WATERMAIN CONNECTIONS AND CONFIRM INVERTS PRIOR TO CONSTRUCTION
 - INSTALL WATERMAIN BY TRENCHLESS METHODS.
 - ALL MATERIALS SHALL CONFORM TO THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.
 - MINIMUM COVER TO TOP OF PROPOSED WATERMAIN SHALL BE 2.5m FROM STREET CENTERLINE.
 - INSTALL ALL HYDRANTS WITH FLANGE ELEVATION 50mm TO 150mm ABOVE FINISHED GRADE.
 - REPLACE ALL EXISTING LEAD SERVICES FROM THE PROPOSED WATERMAIN TO PROPERTY LINE.
 - NOTIFY ALL AFFECTED RESIDENTS AND BUSINESSES 24 HOURS IN ADVANCE OF ANY WATER SHUTDOWN OR DISRUPTION OF SERVICE.
 - LOCATION OF WATER SERVICES SHOWN ON DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD LOCATE ALL WATER SERVICES PRIOR TO CONSTRUCTION.
 - BACKFILL UNDER OR WITHIN 1.0m OF PAVEMENTS, INCLUDING SIDEWALKS SHALL BE CLASS 3 BACKFILL EXCEPT AS NOTED. BACKFILL IN BOULEVARDS SHALL BE CLASS 5 BACKFILL. BACKFILL WITHIN 1.5m OF THE 900 FEEDERMAIN SHALL BE MODIFIED CLASS 3 AS SPECIFIED IN E9.

WARNING
 IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT, THE CONTRACTOR MUST NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION. TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS. SEE PROVINCIAL REGULATION 140/92 FOR DETAILS

AECOM
 Certificate of Authorization
 AECOM Canada Ltd.
 No. 4671 Date: MAY 26, 2011

METRIC
 WHOLE NUMBERS INDICATE MILLIMETRES
 DECIMALIZED NUMBERS INDICATE METRES



BID OPPORTUNITY NO. 451-2011

THE CITY OF WINNIPEG
 WATER AND WASTE DEPARTMENT
 2011 WATERMAIN RENEWALS
 CONTRACT 4
 AUBREY STREET
 STATION 0+610 TO 153m SOUTH OF PORTAGE AVENUE

SHEET 5 OF 7
 CITY DRAWING NUMBER
 D-12435

PROFESSIONAL'S SEAL
 ORIGINAL SIGNED BY
 K.W. FITCHETT
 MAY 26, 2011
 CONSULTANT DRAWING NO.
 60188096-01-C-105-R0X.dwg

DESIGNED BY GSK
 CHECKED BY FMI
 DRAWN BY JP
 APPROVED BY CCM
 RELEASED FOR CONSTRUCTION
 KAS ZUREK
 DATE 2011/05/26

HOR. SCALE 1:250
 VERT. SCALE 1:50