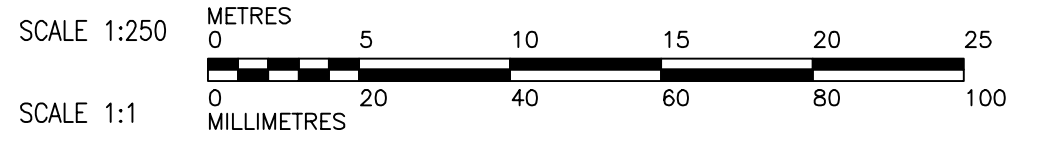


ADDRESS	NATURE OF SERVICE	SIZE	MATERIAL	DISTANCE SC TO PROPERTY	POSITION OF SC (curb stop)			POSITION OF CC (corp)			COMMENTS:
					Long	Short	BLDG	Long	Short	BLDG	
3216 PORTAGE AV	COMMERCIAL	1 1/2 in (38 mm)	COPPER		Long: (12.5 m) N	Short: of	BLDG	Long: (32.9 m) N	Short: of	HYDRANT AT 532 KIRKFIELD	
3210 PORTAGE AV	COMMERCIAL	1 1/2 in (38 mm)	COPPER		Long: (5.5 m) N	Short: of	BLDG	Long: (13.1 m) N	Short: of	1ST HYDRANT S PORTAGE	
536 KIRKFIELD ST	RESIDENTIAL	3/4 in (19 mm)	COPPER		Long: (0.9 m) N	Short: of	NL	Long: (0.9 m) N	Short: of		
532 KIRKFIELD ST	RESIDENTIAL	3/4 in (19 mm)	COPPER		Long: (5.6 m) N	Short: of	SL	Long: (5.6 m) N	Short: of		
528 KIRKFIELD ST	RESIDENTIAL	3/4 in (19 mm)	COPPER		Long: (6.2 m) N	Short: of	SL	Long: (79.8 m) S	Short: of	VALVE AT PORTAGE	
527 KIRKFIELD ST	RESIDENTIAL	3/4 in (19 mm)	COPPER		Long: (5.1 m) N	Short: of	SL	Long: (5.1 m) N	Short: of		
524 KIRKFIELD ST	RESIDENTIAL	3/4 in (19 mm)	COPPER		Long: (4.4 m) N	Short: of	SL	Long: (4.4 m) N	Short: of		
523 KIRKFIELD ST	RESIDENTIAL	3/4 in (19 mm)	COPPER		Long: (6.5 m) S	Short: of	NL	Long: (6.5 m) S	Short: of		
520 KIRKFIELD ST	RESIDENTIAL	3/4 in (19 mm)	COPPER		Long: (1.1 m) N	Short: of	SL	Long: (1.1 m) N	Short: of		
519 KIRKFIELD ST	RESIDENTIAL	3/4 in (19 mm)	COPPER		Long: (7.9 m) S	Short: of	NL	Long: (56.3 m) N	Short: of	1ST VALVE SOUTH OF PORTAGE	
516 KIRKFIELD ST	RESIDENTIAL	3/4 in (19 mm)	COPPER		Long: (5.8 m) N	Short: of	SL	Long: (5.8 m) N	Short: of		
515 KIRKFIELD ST	RESIDENTIAL	3/4 in (19 mm)	COPPER		Long: (2.4 m) S	Short: of	NL	Long: (2.4 m) S	Short: of		
512 KIRKFIELD ST	RESIDENTIAL	3/4 in (19 mm)	COPPER		Long: (3.7 m) S	Short: of	NL	Long: (3.7 m) S	Short: of		
511 KIRKFIELD ST	RESIDENTIAL	3/4 in (19 mm)	COPPER		Long: (5.5 m) S	Short: of	NL	Long: (5.5 m) S	Short: of	RENEW TO PROPERTY	
508 KIRKFIELD ST	RESIDENTIAL	3/4 in (19 mm)	COPPER		Long: (7.8 m) N	Short: of	SL	Long: (7.8 m) N	Short: of		
507 KIRKFIELD ST	RESIDENTIAL	3/4 in (19 mm)	COPPER		Long: (3.7 m) S	Short: of	NL	Long: (3.7 m) S	Short: of	RENEW TO PROPERTY	
504 KIRKFIELD ST	RESIDENTIAL	3/4 in (19 mm)	COPPER		Long: (3.1 m) N	Short: of	SL	Long: (3.1 m) N	Short: of		
501 KIRKFIELD ST	RESIDENTIAL	3/4 in (19 mm)	COPPER		Long: (4.6 m) S	Short: of	NL	Long: (4.6 m) S	Short: of		

- 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.

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



METRIC
 WHOLE NUMBERS INDICATE MILLIMETRES
 DECIMALIZED NUMBERS INDICATE METRES

LEGEND - PLAN	LEGEND - PROFILE
150 WM WATERMAIN HYDRANT VALVE	150 WM WATERMAIN HYDRANT VALVE
300 LDS LAND DRAINAGE SEWER	300 LDS LAND DRAINAGE SEWER
250 WWS WASTE WATER SEWER	250 WWS WASTE WATER SEWER
MANHOLE	MANHOLE
CATCH BASIN	CATCH BASIN
CURB INLET	CURB INLET
CULVERT	CULVERT
PIPE ABANDONMENTS	PIPE ABANDONMENTS
SURVEY BAR	SURVEY BAR
EXISTING	EXISTING
NEW	NEW

LOCATION APPROVED UNDERGROUND STRUCTURES

40-037 (63R574) E. side of Cavalier Dr., N. of Voyageur Ave., Tablet on top of 0.00m x 2.4m iron pipe, 4.4m W. of E.L. of Cavalier Dr. and 47.8m N. of N.L. of Voyageur Ave. and 1.5m S. of C.L. of Lumsden Ave. produced from the W.

DESIGNED BY GSK
 CHECKED BY GSK
 DRAWN BY JP
 APPROVED BY KWF
 HOR. SCALE 1:250
 VERT. SCALE 1:50
 DATE 10/05/18

PROFESSIONAL'S SEAL
 ORIGINAL SIGNED BY K.W. FITCHETT 2010/05/18
 CONSULTANT DRAWING NO. 060150699_01-C-1007_R0.dwg

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

2010 WATERMAIN RENEWALS CONTRACT 5

KIRKFIELD STREET
 177m SOUTH OF PORTAGE AVENUE TO PORTAGE AVENUE

SHEET 7 OF 9
 CITY DRAWING NUMBER D-12052
 REV 0

BID OPPORTUNITY NO. 408-2010