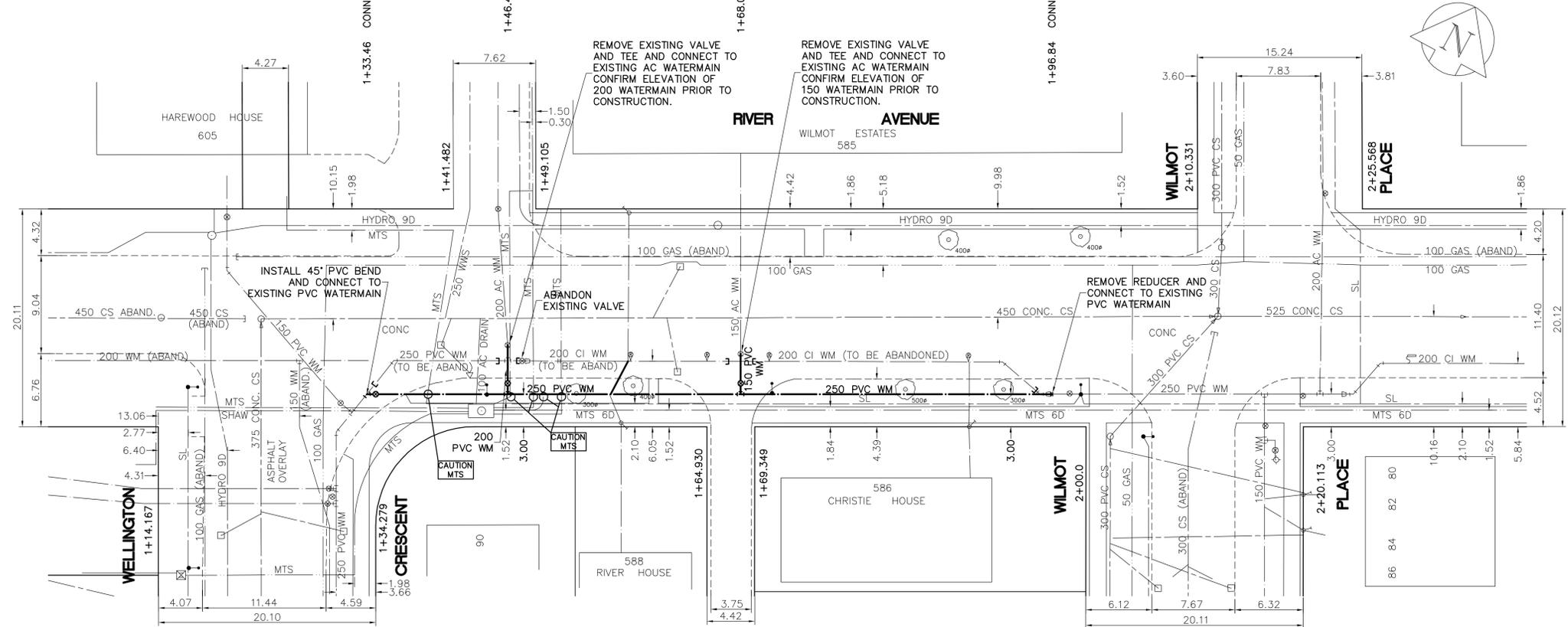


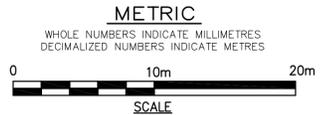
**CONSTRUCTION NOTES**

1. EXPOSE WATERMAIN CONNECTIONS AND CONFIRM INVERTS PRIOR TO CONSTRUCTION.
2. INSTALL WATERMAIN BY TRENCHLESS METHODS.
3. ALL MATERIALS SHALL CONFORM TO THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.
4. MINIMUM COVER TO TOP OF PROPOSED WATERMAIN SHALL 2.5m FROM STREET CENTERLINE.
5. INSTALL ALL HYDRANTS WITH FLANGE ELEVATION 50mm-150mm ABOVE FINISHED GRADE.
6. REPLACE ALL EXISTING LEAD SERVICES FROM THE PROPOSED WATERMAIN TO PROPERTY LINE.
7. EXCEPT AS NOTED BELOW, NOTIFY ALL AFFECTED RESIDENTS AND BUSINESSES 24 HOURS IN ADVANCE OF ANY WATER SHUTDOWN OR DISRUPTION OF SERVICE. NOTIFICATION TO BUSINESSES TO ALSO BE GIVEN ON THE PREVIOUS BUSINESS DAY. NOTIFICATION OF MULTI FAMILY RESIDENTIAL COMPLEXES TO BE PROVIDED AND MINIMUM 2 BUSINESS DAYS PRIOR TO ANY WATER SHUTDOWN OR DISRUPTION OF SERVICE.
8. LOCATION OF WATER SERVICES SHOWN ON DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD LOCATE ALL WATER SERVICES PRIOR TO CONSTRUCTION.
9. ALL VALVES SHALL BE RED TOP (COUNTER-CLOCKWISE TO CLOSE).
10. BACKFILL UNDER OR WITHIN 1.0m OF RIVER AVENUE OR WELLINGTON CRESCENT PAVEMENT SHALL BE CLASS 1 BACKFILL. ALL OTHER BACKFILL SHALL BE CLASS 3 BACKFILL.



ADDRESS	NATURE OF SERVICE	SIZE	MATERIAL	DISTANCE SC TO PROPERTY	POSITION OF SC (curb stop)		PROPERTY LINE	POSITION OF CC (corp)		COMMENTS:
					Long:	Short:		Long:	Short:	
585 RIVER AVENUE	RESIDENTIAL	50 mm	COPPER	0.5 m	PROPERTY	Long: 42.5 m W Short: 16.5 m E	of WL	WILMOT PL	Long: 0.3 m E Short: 0.3 m E	of SC
585 RIVER AVENUE	RESIDENTIAL	150 mm	COPPER	5.1 m	PROPERTY	Long: 40.2 m W Short: 35.3 m W	of EL	PROPERTY LINE		
586 RIVER AVENUE	RESIDENTIAL	19 mm	COPPER	4.7 m	BUILDING	Long: 10.9 m W Short: 3.2 m W	of EL	#586 RIVER		OPP/SC
588 RIVER AVENUE	COMMERCIAL	25 mm	COPPER	10.7 m	BUILDING	Long: 22.7 m E Short: 3.7 m E	of SL	WELLINGTON ON RIVER BUILDING	Long: 3.7 m E Short: 1.1 m W	of WL

**APEGN**  
Certificate of Authorization  
AECOM Canada Ltd.  
Original dated on:  
No. 4671 Date: 2009/04/29



EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PROFILE	PROPOSED
150 mm W.M.	WATERMAIN	150 mm W.M.	Hydro	TELEPHONE	Hydro
Hydrant	VALVE	Hydrant	CONCRETE	ASPHALT	CONCRETE
300mm L.D.S.	LAND DRAINAGE SEWER	300mm L.D.S.	PROPERTY LINE	SURVEY BAR	PROPERTY LINE
250mm W.W.S.	WASTEWATER SEWER	250mm W.W.S.	CURB STOP	TREE	CURB STOP
Manhole	CATCH BASIN	Manhole	ANODE	CONCRETE SIDEWALK	ANODE
Manhole	CURB INLET	Manhole	FENCE		FENCE
Manhole	JUNCTIONS	Manhole			
Manhole	CULVERT	Manhole			
Manhole	GAS	Manhole			

**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.** 52-036 N. side River ave. W. of Wellington Cres. 701. In conc wall of parking garage of No. 603 River Ave. 5.0 E. & 0.3 m below top of conc. retaining wall from S.W. Cor. of parking garage. E. 230.712

NO.	REVISIONS	DATE	BY
0	ISSUED FOR TENDER	2009/04/29	GSK
A	ISSUED FOR REVIEW	2009/04/03	GSK

**AECOM**  
DESIGNED BY: ADB  
CHECKED BY: GSK  
DRAWN BY: GDL  
APPROVED BY: KWF  
HOR. SCALE: 1:250  
VERTICAL: 1:50  
RELEASED FOR CONSTRUCTION BY: K. ZUREK  
DATE: 2009/03/20  
DATE: 09/04/29

**ENGINEER'S SEAL**  
PROVINCE OF MANITOBA  
ORIGINAL SIGNED BY  
**K.W. FITCHETT**  
09/04/29  
REGISTERED PROFESSIONAL ENGINEER  
CONSULTANT DRAWING NO. 111272-C09

**THE CITY OF WINNIPEG**  
Winnipeg WATER AND WASTE DEPARTMENT  
**2009 WATERMAIN RENEWALS CONTRACT 7**  
RIVER AVENUE  
WELLINGTON CRESCENT TO WILMOT PLACE  
STA 1+20 TO STA 2+20  
SHEET 9 OF 9  
CITY DRAWING NUMBER **D-11751**