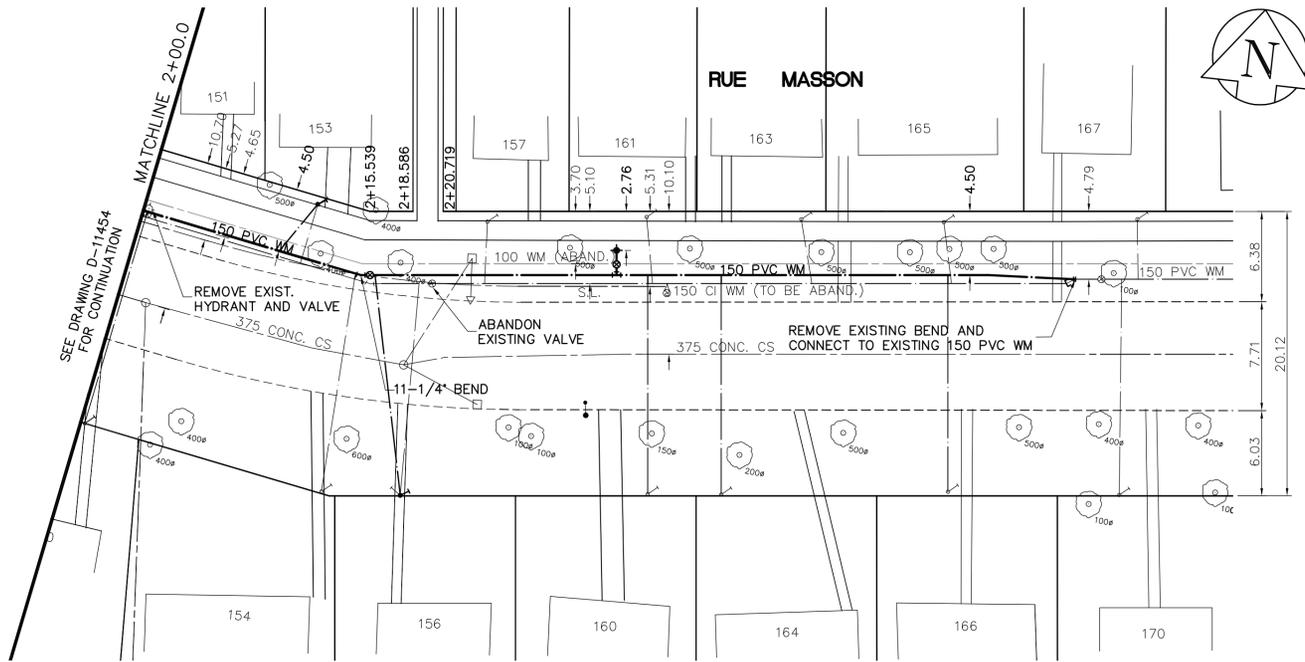
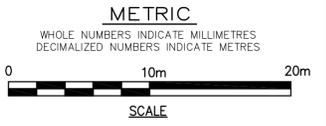


- CONSTRUCTION NOTES**
1. EXPOSE WATERMAIN CONNECTIONS AND CONFIRM INVERTS PRIOR TO CONSTRUCTION.
 2. INSTALL WATERMAIN BY TRENCHLESS METHODS.
 3. ALL MATERIALS SHALL CONFORM TO THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.
 4. MINIMUM COVER TO TOP OF PROPOSED WATERMAIN SHALL BE 2.5m FROM 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. NOTIFY ALL AFFECTED RESIDENTS AND BUSINESSES 24 HOURS IN ADVANCE OF 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 BLACK TOP (CLOCKWISE TO CLOSE).
 10. 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.



APEGM
 Certificate of Authorization
 Earth Tech Canada Inc.
 No. 730



ADDRESS	NATURE OF SERVICE	SIZE	MATERIAL	DISTANCE SC TO PROPERTY	POSITION OF SC (curb stop)	POSITION OF CC (corp)	COMMENTS:
170 MASSON ST	RESIDENTIAL	19 mm	COPPER	8.2 m	Long: 172.8 m E of EL TACHE HOUSE Short: 1.5 m E of WL	Long: 1.4 m E of VALVE	WATERMAIN RENEWAL DEC 1991
167 MASSON ST	RESIDENTIAL	19 mm	COPPER	4.6 m	Long: 171.0 m E of EL TACHE HOUSE Short: 10.4 m E of WL	Long: 2.6 m E of VALVE	WATERMAIN RENEWAL DEC 1991
166 MASSON ST	RESIDENTIAL	19 mm	COPPER	7.9 m	Long: 160.6 m E of EL TACHE HOUSE Short: 3.4 m E of WL		
165 MASSON ST	RESIDENTIAL	19 mm	COPPER	5.5 m	Long: 157.3 m E of EL TACHE HOUSE Short: 4.0 m W of EL		
164 MASSON ST	RESIDENTIAL	19 mm	COPPER	7.9 m	Long: 144.5 m E of EL TACHE HOUSE Short: 0.9 m E of WL		
163 MASSON ST	RESIDENTIAL	19 mm	COPPER	4.6 m	Long: 147.8 m E of EL TACHE HOUSE Short: 0.9 m W of EL		
161 MASSON ST	RESIDENTIAL	19 mm	COPPER	0.3 m	Long: 136.2 m E of EL TACHE HOUSE Short: 2.4 m W of EL		

ADDRESS	NATURE OF SERVICE	SIZE	MATERIAL	DISTANCE SC TO PROPERTY	POSITION OF SC (curb stop)	POSITION OF CC (corp)	COMMENTS:
160 MASSON ST	RESIDENTIAL	19 mm	COPPER	8.2 m	Long: 139.0 m E of EL TACHE HOUSE Short: 0.9 m W of EL		
157 MASSON ST	RESIDENTIAL	19 mm	COPPER	4.3 m	Long: 165.0 m E of EL TACHE HOUSE Short: 0.9 m E of WL		
156 MASSON ST	RESIDENTIAL	19 mm	COPPER	7.9 m	Long: 115.8 m E of EL TACHE HOUSE Short: 1.8 m E of WL	Short: 0.6 m E of STOP COCK	RENEW TO PROPERTY
154 MASSON ST	RESIDENTIAL	19 mm	COPPER	7.9 m	Long: 115.8 m E of EL TACHE HOUSE Short: 0.9 m E of WL		
153 MASSON ST	RESIDENTIAL	19 mm	COPPER	4.6 m	Long: 112.8 m E of EL TACHE HOUSE Short: 2.7 m E of WL		
151 MASSON ST	RESIDENTIAL	19 mm	COPPER	4.1 m	Long: 3.4 m W of EL HYDRANT Short: 1.5 m W of EL		
150 MASSON ST	RESIDENTIAL	19 mm	COPPER	7.6 m	Long: 98.1 m E of EL TACHE HOUSE Short: 1.8 m W of EL	Short: 0.3 m E of EL HOUSE	

150 mm W.M.	WATERMAIN	150 mm W.M.	HYDRO	150 mm W.M.	WATERMAIN
	HYDRANT		TELEPHONE		HYDRANT
	VALVE		CONCRETE		VALVE
	LAND DRAINAGE SEWER		ASPHALT		LAND DRAINAGE SEWER
	WASTEWATER SEWER		PROPERTY LINE		WASTE WATER SEWER
	MANHOLE		SURVEY BAR		PROFILE
	CATCH BASIN		CURB STOP		
	CURB INLET		TREE		
	JUNCTIONS		ANODE		
	CULVERT		CONCRETE SIDEWALK		
	GAS		FENCE		
EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PROFILE	PROPOSED

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 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.

EARTH TECH
 Earth Tech (Canada) Inc. Winnipeg, Manitoba 204.477.5381

DESIGNED BY: GSK, GDL
 CHECKED BY: GSK

DRAWN BY: GDL
 APPROVED BY: KWF

ISSUED FOR TENDER: 2008/07/03 GSK
 ISSUED FOR REVIEW: 2008/06/19 GSK

HOR. SCALE: 1:250
 VERTICAL: 1:50

RELEASED FOR CONSTRUCTION BY: K. ZUREK
 DATE: 2008/07/03

NO. REVISIONS DATE BY

ENGINEER'S SEAL
 PROVINCE OF MANITOBA
 ORIGINAL SIGNED BY: K.W. FITCHETT
 2008/07/03
 REGISTERED PROFESSIONAL ENGINEER

THE CITY OF WINNIPEG
 Winnipeg WATER AND WASTE DEPARTMENT

2008 WATERMAIN RENEWALS CONTRACT 5

RUE MASSON
 TACHE AVE. TO 157m W. OF RUE AULNEAU
 STA. 2+00 TO STA. 2+65

SHEET 5 OF 12
 CITY DRAWING NUMBER: D-11455

CONSULTANT DRAWING NO. 104449-C5