

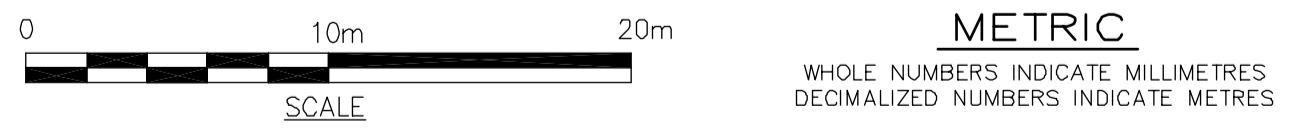
STA. 1+70 MATCH LINE

- 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 PREVIOUS WATERMAIN BREAKS SHOWN THUS @ IS APPROXIMATE AND FOR INFORMATION ONLY. NO GUARANTEE IS GIVEN TO THE COMPLETENESS OR ACCURACY OF THIS INFORMATION.
 9. LOCATION OF WATER SERVICES SHOWN ON DRAWINGS ARE APPROXIMATE. THE CONTRACTOR SHALL FIELD LOCATE ALL WATER SERVICES PRIOR TO CONSTRUCTION.
 10. ALL VALVES SHALL BE RED TOP (COUNTER CLOCKWISE TO CLOSE).
 11. 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 Expiry: April 30, 2004

ADDRESS/ NATURE OF SERVICES	SIZE/ MATERIAL	DIST. TO PROP.	POSITION OF S.C. (curb stop)	POSITION OF C.C. (corp)	COMMENTS:
165 IRVING PL RESIDENTIAL	COPPER 19 mm	0.3 m	Long: Short: 2.7 m E of WL HOUSE	Long: Short:	
164 IRVING PL RESIDENTIAL	COPPER 19 mm	0.3 m	Long: Short: 5.2 m W of EL HOUSE	Long: Short:	
163 IRVING PL RESIDENTIAL	COPPER 19 mm	0.3 m	Long: Short: 2.3 m W of EL HOUSE	Long: Short:	
162 IRVING PL RESIDENTIAL	COPPER 19 mm	7.9 m	Long: Short:	Long: Short: 1.8 m E of WHL	
161 IRVING PL RESIDENTIAL	COPPER 19 mm	0.3 m	Long: Short: 2.7 m W of EL HOUSE	Long: Short:	
160 IRVING PL RESIDENTIAL	COPPER 19 mm	0.3 m	Long: Short: 3.0 m W of EL HOUSE	Long: Short:	
159 IRVING PL RESIDENTIAL	COPPER 19 mm	0.3 m	Long: Short: 2.1 m W of EL HOUSE	Long: Short:	

ADDRESS/ NATURE OF SERVICES	SIZE/ MATERIAL	DIST. TO PROP.	POSITION OF S.C. (curb stop)	POSITION OF C.C. (corp)	COMMENTS:
158 IRVING PL RESIDENTIAL	COPPER 19 mm	0.3 m	Long: Short: 2.7 m E of WL HOUSE	Long: Short:	
157 IRVING PL RESIDENTIAL	COPPER 19 mm	0.3 m	Long: Short: 1.2 m E of EL HOUSE	Long: Short: 3.7 m W of SC	REVERSE TAPPED
152 IRVING PL RESIDENTIAL	COPPER 19 mm		Long: Short: 0.6 m W of EL HOUSE	Long: Short:	
151 IRVING PL RESIDENTIAL	COPPER 19 mm	0.3 m	Long: Short: 9.8 m S of SL HOUSE	Long: Short:	
150 IRVING PL RESIDENTIAL	COPPER 19 mm	0.3 m	Long: Short: 1.8 m E of WL HOUSE	Long: Short:	
149 IRVING PL RESIDENTIAL	COPPER 19 mm	0.3 m	Long: Short: 5.9 m E of EL HOUSE	Long: Short:	APPROX 8" E W P/L #151
148 IRVING PL RESIDENTIAL	COPPER 19 mm	0.3 m	Long: Short: 7.1 m E of WL HOUSE	Long: Short:	
146 IRVING PL RESIDENTIAL	COPPER 19 mm	0.3 m	Long: Short: 4.3 m E of WL HOUSE	Long: Short:	



150 mm W.M.	WATERMAIN	150 mm W.M.	HYDRO	150 mm W.M.	WATERMAIN
⊕	HYDRANT	⊕	TELEPHONE	⊕	HYDRANT
⊙	VALVE	⊙	CONCRETE	⊙	VALVE
300mm L.O.S.	LAND DRAINAGE SEWER	300mm L.O.S.	ASPHALT	300mm L.O.S.	LAND DRAINAGE SEWER
250mm W.W.S.	WASTEWATER SEWER	250mm W.W.S.	PROPERTY LINE	250mm W.W.S.	WASTE WATER SEWER
○	MANHOLE	○	SURVEY BAR	○	⊕
□	CATCH BASIN	□	CURB STOP	×	⊕
▽	CURB INLET	▽	TREE		⊕
+	JUNCTIONS	+	ANODE		⊕
—	CULVERT	—	CONCRETE SIDEWALK		⊕
—	GAS	—	FENCE		⊕

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. 12-041 58860 NW COR. HENDERSON HWY. & CHERTON AVE. TBLT. ON TOP OF 0.05m DIA. X 2.4m IRON PIPE, 2.7m S OF N LINE OF CHERTON AVE. & ON W LINE OF HENDERSON HWY.

ELEV. 230.054

NO.	ISSUED FOR TENDER	DATE	BY
0	2004/4/27	GSK	

EARTH TECH
 atyco INTERNATIONAL LTD. COMPANY
 Earth Tech (Canada) Inc. Winnipeg, Manitoba 204.477.5381

DESIGNED BY GSK CHECKED BY GSK
 DRAWN BY GDL APPROVED BY
 HOR. SCALE: 1:250
 VERTICAL SCALE: 1:50
 RELEASED FOR CONSTRUCTION BY:
 K.R. ZUREK
 DATE: APRIL 27, 2004

ENGINEER'S SEAL
 ORIGINAL SIGNED BY
 J. E. HUTCHISON
 2004/04/27
 CONSULTANT DRAWING NO.
 76531-C17

THE CITY OF WINNIPEG
 Winnipeg WATER AND WASTE DEPARTMENT

WATERMAIN RENEWALS
 CONTRACT No. 5

IRVING PLACE
 53m WEST OF GRANDVIEW STREET TO HENDERSON HWY
 STATION 0+22 TO STATION 1+70

SHEET OF 17 19
 CITY DRAWING NUMBER
D-8542