



- 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 THIS \otimes 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.

| ADDRESS/ NATURE OF SERVICES | SIZE/ MATERIAL | DIST. TO PROP. | POSITION OF S.C. (curb stop) | POSITION OF C.C. (corp) | COMMENTS: |
|--------------------------------|-------------------|-------------------|-------------------------------------|-------------------------|-----------------------------------|
| 173 IRVING PL RESIDENTIAL | COPPER 19 mm | 0.3 m | Long: Short: 2.4 m E of WL HOUSE | Long: Short: | |
| 172 IRVING PL RESIDENTIAL | COPPER 19 mm | 0.3 m | Long: Short: 3.7 m E of WL HOUSE | Long: Short: | |
| 171 IRVING PL RESIDENTIAL | COPPER 19 mm | 0.3 m | Long: Short: 0.5 m W of EL HOUSE | Long: Short: | FROZEN 03/96 RENEW TO PROPERTY |
| 170 IRVING PL RESIDENTIAL | COPPER 19 mm | 0.3 m | Long: Short: 0.6 m E of WL HOUSE | Long: Short: | |
| 169 IRVING PL RESIDENTIAL | 0 in | | Long: Short: 2.0 m E of EL HOUSE | Long: Short: | S/C IN DRIVEWAY |
| 166 IRVING PL RESIDENTIAL | COPPER 19 mm | 0.3 m | Long: Short: 2.0 m W of EL HOUSE | Long: Short: | UNDER TREE |
| 1276 HENDERSON RESIDENTIAL | | | Long: Short: | Long: Short: | |
| 1294 HENDERSON RESIDENTIAL | | | Long: Short: | Long: Short: | |

APEGM
Certificate of Authorization
Earth Tech Canada Inc.
No. 730 Expiry: April 30, 2004

METRIC
WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

SCALE

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

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 88660 NW COR. HENDERSON HWY. & OHERTON AVE. TBLT. ON TOP OF 0.03m DIA. X 2.4m IRON PIPE, 2.7m S OF N LINE OF OHERTON AVE. & ON W LINE OF HENDERSON HWY.

ELEV. 230.054

EARTH TECH
A tyco 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 | RELEASED FOR CONSTRUCTION BY: K.R. ZUREK |
| VERTICAL SCALE: 1:50 | DATE APRIL 27, 2004 |

ENGINEER'S SEAL

ORIGINAL SIGNED BY
J. E. HUTCHISON
2004/04/27

CONSULTANT DRAWING NO.
76531-C18

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 1+70 TO HENDERSON HWY

| |
|--------------------------------------|
| SHEET OF 18 OF 19 |
| CITY DRAWING NUMBER D-8543 |