



WARNING

IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:

1. NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
2. TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS SEE PROVINCIAL REGULATION 210/72 FOR DETAILS

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES

NOTE:
CHAINAGES ARE TAKEN FROM THE WEST
PL. BRAZIER ST.

BRAZIER STREET

EXISTING SEWER SERVICE LOCATION RECORDS			
ADDRESS	SIZE/TYPE	SERVICE LOCATION AT PL	JUNCTION LOCATION
784 BRAZIER CRESCENT	UNKNOWN	UNKNOWN	33.8M S OF MH @ DUNROBIN

SEWER SERVICE INFORMATION (ID #MA-41440) *	
DISTANCE FROM MH AT HELMSDALE AVE (MH ID #MH-78801)	
0.1 N	SERVICE CONNECTION
95.5 N	SERVICE CONNECTION E

* - INFORMATION FROM SEWER VIDEO INSPECTION

CONSTRUCTION NOTES:

1. ALL PVC PIPE SHALL HAVE CLASS B-TYPE 2 BEDDING AND ALL CONCRETE PIPE SHALL HAVE CLASS B-SAND BEDDING.
2. SEWER TO BE RENEWED BY TRENCHLESS METHODS.
3. CONFIRM THE LOCATION OF ALL SEWER SERVICES.
4. RENEW SEWER SERVICES TO PROPERTY LINE.
5. BACKFILL UNDER PAVEMENT, IN SIDEWALKS, & WITHIN 1.0 OF PAVEMENT TO BE CLASS 3.
6. BACKFILL IN BOULEVARD TO BE CLASS 5.
7. CATCHBASIN LEADS TO BE INSTALLED AT MIN. 1.0% SLOPE OR AS DIRECTED BY CONTRACT ADMINISTRATOR.

<table border="1"> <tr> <th>150 mm W.M.</th> <th>WATERMAIN</th> <th>150 mm W.M.</th> <th>HYDRO</th> <th>150 mm W.M.</th> <th>WATERMAIN</th> <th>150 mm W.M.</th> </tr> <tr> <td>⊕</td> <td>HYDRANT</td> <td>⊕</td> <td>M.T.S.</td> <td>⊕</td> <td>HYDRANT</td> <td>⊕</td> </tr> <tr> <td>⊗</td> <td>VALVE</td> <td>⊗</td> <td>CONCRETE</td> <td>⊗</td> <td>VALVE</td> <td>⊗</td> </tr> <tr> <td>⊗</td> <td>LAND DRAINAGE SEWER</td> <td>⊗</td> <td>ASPHALT</td> <td>⊗</td> <td>LAND DRAINAGE SEWER</td> <td>⊗</td> </tr> <tr> <td>⊗</td> <td>WASTE WATER SEWER</td> <td>⊗</td> <td>PROPERTY LINE</td> <td>⊗</td> <td>WASTE WATER SEWER</td> <td>⊗</td> </tr> <tr> <td>○</td> <td>MANHOLE</td> <td>○</td> <td>SURVEY BAR</td> <td>○</td> <td>⊕ PROFILE</td> <td>○</td> </tr> <tr> <td>□</td> <td>CATCH BASIN</td> <td>□</td> <td>SERVICE VALVE</td> <td>□</td> <td>NORTH/WEST GUTTER</td> <td>□</td> </tr> <tr> <td>▽</td> <td>CURB INLET</td> <td>▽</td> <td>I.P.S.</td> <td>▽</td> <td>SOUTH/EAST GUTTER</td> <td>▽</td> </tr> <tr> <td>⊕</td> <td>JUNCTIONS</td> <td>⊕</td> <td>BUILDING</td> <td>⊕</td> <td></td> <td>⊕</td> </tr> <tr> <td>⊕</td> <td>CULVERT</td> <td>⊕</td> <td></td> <td>⊕</td> <td></td> <td>⊕</td> </tr> <tr> <td>⊕</td> <td>GAS</td> <td>⊕</td> <td></td> <td>⊕</td> <td></td> <td>⊕</td> </tr> </table>	150 mm W.M.	WATERMAIN	150 mm W.M.	HYDRO	150 mm W.M.	WATERMAIN	150 mm W.M.	⊕	HYDRANT	⊕	M.T.S.	⊕	HYDRANT	⊕	⊗	VALVE	⊗	CONCRETE	⊗	VALVE	⊗	⊗	LAND DRAINAGE SEWER	⊗	ASPHALT	⊗	LAND DRAINAGE SEWER	⊗	⊗	WASTE WATER SEWER	⊗	PROPERTY LINE	⊗	WASTE WATER SEWER	⊗	○	MANHOLE	○	SURVEY BAR	○	⊕ PROFILE	○	□	CATCH BASIN	□	SERVICE VALVE	□	NORTH/WEST GUTTER	□	▽	CURB INLET	▽	I.P.S.	▽	SOUTH/EAST GUTTER	▽	⊕	JUNCTIONS	⊕	BUILDING	⊕		⊕	⊕	CULVERT	⊕		⊕		⊕	⊕	GAS	⊕		⊕		⊕	<p>UNDERGROUND STRUCTURES</p> <p>SUPY. U/G STRUCTURES COMMITTEE DATE</p> <p>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.</p>	<p>B.M. ELEV.</p> <table border="1"> <tr> <th>NO.</th> <th>REVISIONS</th> <th>DATE</th> <th>BY</th> <th>DATE</th> </tr> <tr> <td>2</td> <td>RELEASED FOR CONSTRUCTION</td> <td>06/09/06</td> <td>S.C.C.</td> <td></td> </tr> <tr> <td>1</td> <td>SUBMITTED TO W&W FOR REVIEW</td> <td>06/08/25</td> <td>S.C.C.</td> <td></td> </tr> </table>	NO.	REVISIONS	DATE	BY	DATE	2	RELEASED FOR CONSTRUCTION	06/09/06	S.C.C.		1	SUBMITTED TO W&W FOR REVIEW	06/08/25	S.C.C.		<p>DESIGNED BY S.C.C.</p> <p>DRAWN BY A.J.P./S.K.B.</p> <p>CHECKED BY D.P.K.</p> <p>APPROVED BY</p> <p>HOR. SCALE 1:250</p> <p>VERTICAL 1:50</p> <p>RELEASED FOR CONSTRUCTION ORIGINAL SIGNED BY KAS ZUREK, P.Eng. DATE 06/09/11</p>	<p>ENGINEER'S SEAL</p> <p>PROVINCE OF MANITOBA</p> <p>ORIGINAL STAMPED BY D.P. KRAHN 06/09/11</p> <p>REGISTERED PROFESSIONAL ENGINEER</p> <p>CONSULTANT DRAWING NO. 06-6064-01</p>	<p>THE CITY OF WINNIPEG</p> <p>WATER AND WASTE DEPARTMENT</p> <p>2006 SEWER RENEWALS AND REPAIRS CONTRACT 13</p> <p>BRAZIER STREET</p> <p>MH AT HELMSDALE AVE TO MH AT DUNROBIN AVE</p>	<p>CITY DRAWING NUMBER 05933</p> <p>SHEET 1 OF 23</p> <p>BID OPPORTUNITY 560-2006</p>
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