



WATER SERVICE INFORMATION				ADDRESS							
ADDRESS	SIZE(mm) & TYPE	SIZE(mm) & TYPE	SHORT & LONG MEASUREMENT	CORP LOCATION	ADDRESS	SIZE(mm) & TYPE	SIZE(mm) & TYPE	SHORT & LONG MEASUREMENT	CORP LOCATION		
15 HAYES AVE RESIDENTIAL	19 COPPER	19 COPPER	5.8 N OF S HL	15 HAYES AVE RESIDENTIAL	19 COPPER	19 COPPER	5.1 N OF S HL	19 HAYES AVE RESIDENTIAL	19 COPPER	19 COPPER	5.1 N OF S HL
18 HAYES AVE RESIDENTIAL	19 COPPER	19 COPPER	4.1 N OF S HL	22 HAYES AVE RESIDENTIAL	19 COPPER	19 COPPER	3.5 N OF S HL	23 HAYES AVE RESIDENTIAL	19 COPPER	19 COPPER	5.8 N OF S HL
2 HAYES AVE RESIDENTIAL	19 COPPER	19 COPPER	4.3 N OF S HL	26 HAYES AVE RESIDENTIAL	19 COPPER	19 COPPER	3.4 N OF S HL	27 HAYES AVE RESIDENTIAL	19 COPPER	19 COPPER	4.9 E OF E HL
6 HAYES AVE RESIDENTIAL	19 COPPER	19 COPPER	5.1 N OF S HL	30 HAYES AVE RESIDENTIAL	19 COPPER	19 COPPER	5.4 N OF S HL				
7 HAYES AVE RESIDENTIAL	19 COPPER	19 COPPER	4.6 N OF S HL								
10 HAYES AVE RESIDENTIAL	19 COPPER	19 COPPER	2.7 N OF S HL								
11 HAYES AVE RESIDENTIAL	19 COPPER	19 COPPER	4.9 N OF S HL								
14 HAYES AVE RESIDENTIAL	19 COPPER	19 COPPER	4.9 N OF S HL								

- NOTES:**
- ALL GATE VALVES ARE TO BE COUNTER-CLOCKWISE TO OPEN WITH A BLACK OPERATING NUT.
  - WATERMAIN TO BE INSTALLED BY TRENCHLESS METHODS.
  - BACKFILL IS CLASS 5 WITHIN BOULEVARD AND CLASS 3 WHEN WITHIN PAVEMENT/SIDEWALK OR WHEN WITHIN 1.0m OF PAVEMENT OR SIDEWALK.
  - WATER SERVICES ARE 19mm UNLESS OTHERWISE NOTED.
  - MINIMUM COVER TO TOP OF WATERMAIN SHALL BE 2.4m.
  - LOCATION OF ALL SERVICES TO BE CONFIRMED IN FIELD.
  - EXPOSE EXISTING WATERMAIN TO CONFIRM DEPTH PRIOR TO CONSTRUCTION.
  - ALL LEAD SERVICES TO BE RENEWED.
  - SERVICES TO BE RENEWED SHALL BE REPLACED FROM WATERMAIN TO PROPERTY LINE. ALL OTHERS TO BE RECONNECTED.

**METRIC**  
WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMALIZED NUMBERS INDICATE METRES

**APEGM**  
Certificate of Authorization  
SEG Engineering Inc.  
No. 1432 Expiry: April 30, 2006

<table border="1"> <tr> <th>EXISTING</th> <th>LEGEND - PLAN</th> <th>PROPOSED</th> <th>EXISTING</th> <th>LEGEND - PLAN</th> <th>PROPOSED</th> <th>EXISTING</th> <th>LEGEND - PROFILE</th> <th>PROPOSED</th> </tr> <tr> <td>○</td> <td>WATERMAIN</td> <td>○</td> <td>○</td> <td>HYDRO</td> <td>○</td> <td>○</td> <td>CENTER LINE</td> <td>○</td> </tr> <tr> <td>⊕</td> <td>HYDRANT</td> <td>⊕</td> <td>⊕</td> <td>M.T.S.</td> <td>⊕</td> <td>⊕</td> <td>NORTH GUTTER LINE</td> <td>⊕</td> </tr> <tr> <td>⊕</td> <td>VALVE</td> <td>⊕</td> <td>⊕</td> <td>CONCRETE</td> <td>⊕</td> <td>⊕</td> <td>SOUTH GUTTER LINE</td> <td>⊕</td> </tr> <tr> <td>---</td> <td>LAND DRAINAGE SEWER</td> <td>---</td> <td>---</td> <td>ASPHALT</td> <td>---</td> <td>---</td> <td>WATERMAIN</td> <td>---</td> </tr> <tr> <td>---</td> <td>WASTE WATER SEWER</td> <td>---</td> <td>---</td> <td>PROPERTY LINE</td> <td>---</td> <td>---</td> <td>VALVE</td> <td>---</td> </tr> <tr> <td>○</td> <td>MANHOLE</td> <td>○</td> <td>○</td> <td>SURVEY BAR</td> <td>○</td> <td>○</td> <td>LAND DRAINAGE SEWER</td> <td>○</td> </tr> <tr> <td>□</td> <td>CATCH BASIN</td> <td>□</td> <td>□</td> <td>CURB STOP</td> <td>□</td> <td>□</td> <td>WASTE WATER SEWER</td> <td>□</td> </tr> <tr> <td>△</td> <td>CURB INLET</td> <td>△</td> <td>△</td> <td>C.B. LEAD</td> <td>△</td> <td>△</td> <td>JUNCTIONS</td> <td>△</td> </tr> <tr> <td>---</td> <td>TRAFFIC SIGNAL</td> <td>---</td> <td>---</td> <td>SIDEWALK</td> <td>---</td> <td>---</td> <td>CULVERT</td> <td>---</td> </tr> <tr> <td>---</td> <td>MTS</td> <td>---</td> <td>---</td> <td>SIDEWALK RAMP</td> <td>---</td> <td>---</td> <td>ANODE</td> <td>---</td> </tr> <tr> <td>---</td> <td>GAS</td> <td>---</td> <td>---</td> <td>ELEVATIONS</td> <td>---</td> <td>---</td> <td>PLUG</td> <td>---</td> </tr> </table>	EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PROFILE	PROPOSED	○	WATERMAIN	○	○	HYDRO	○	○	CENTER LINE	○	⊕	HYDRANT	⊕	⊕	M.T.S.	⊕	⊕	NORTH GUTTER LINE	⊕	⊕	VALVE	⊕	⊕	CONCRETE	⊕	⊕	SOUTH GUTTER LINE	⊕	---	LAND DRAINAGE SEWER	---	---	ASPHALT	---	---	WATERMAIN	---	---	WASTE WATER SEWER	---	---	PROPERTY LINE	---	---	VALVE	---	○	MANHOLE	○	○	SURVEY BAR	○	○	LAND DRAINAGE SEWER	○	□	CATCH BASIN	□	□	CURB STOP	□	□	WASTE WATER SEWER	□	△	CURB INLET	△	△	C.B. LEAD	△	△	JUNCTIONS	△	---	TRAFFIC SIGNAL	---	---	SIDEWALK	---	---	CULVERT	---	---	MTS	---	---	SIDEWALK RAMP	---	---	ANODE	---	---	GAS	---	---	ELEVATIONS	---	---	PLUG	---	<p>LOCATION APPROVED UNDERGROUND STRUCTURES ORIGINALLY SIGNED BY D. A. Soedal JULY 19, 2005</p> <p>SUPV. 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. CWM: 10-012 232.469 m</p> <p><b>SEG ENGINEERING INC.</b> 200 TACHE AVENUE WINNIPEG, MANITOBA (204)-233-2113</p> <p>DESIGNED BY: DJ DRAWN BY: RH CHECKED BY: SM APPROVED BY: IMCK RELEASED FOR ORIGINAL CONSTRUCTION SIGNED BY: K. ZUREK P. ENG DATE: APRIL 11, 2006</p> <p>HOR. SCALE: 1:250 VERT. SCALE: 1:50</p> <p>1 UPDATED FOR 269-2006 APR 06 DJ NO. REVISIONS DATE BY</p>	<p>ENGINEERS SEAL I. G. MCKINNON REGISTERED PROFESSIONAL ENGINEER</p> <p>CONSULTANT DRAWING NO. 069-021-05</p>	<p><b>THE CITY OF WINNIPEG</b> WATER AND WASTE DEPARTMENT</p> <p>2006 CAPITAL WORKS WATERMAIN RENEWALS HAYES STREET McMEANS AVENUE WEST TO WHITESHELL AVENUE</p> <p>CITY DRAWING NO. SHEET 1 OF 1 D-8815</p>
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