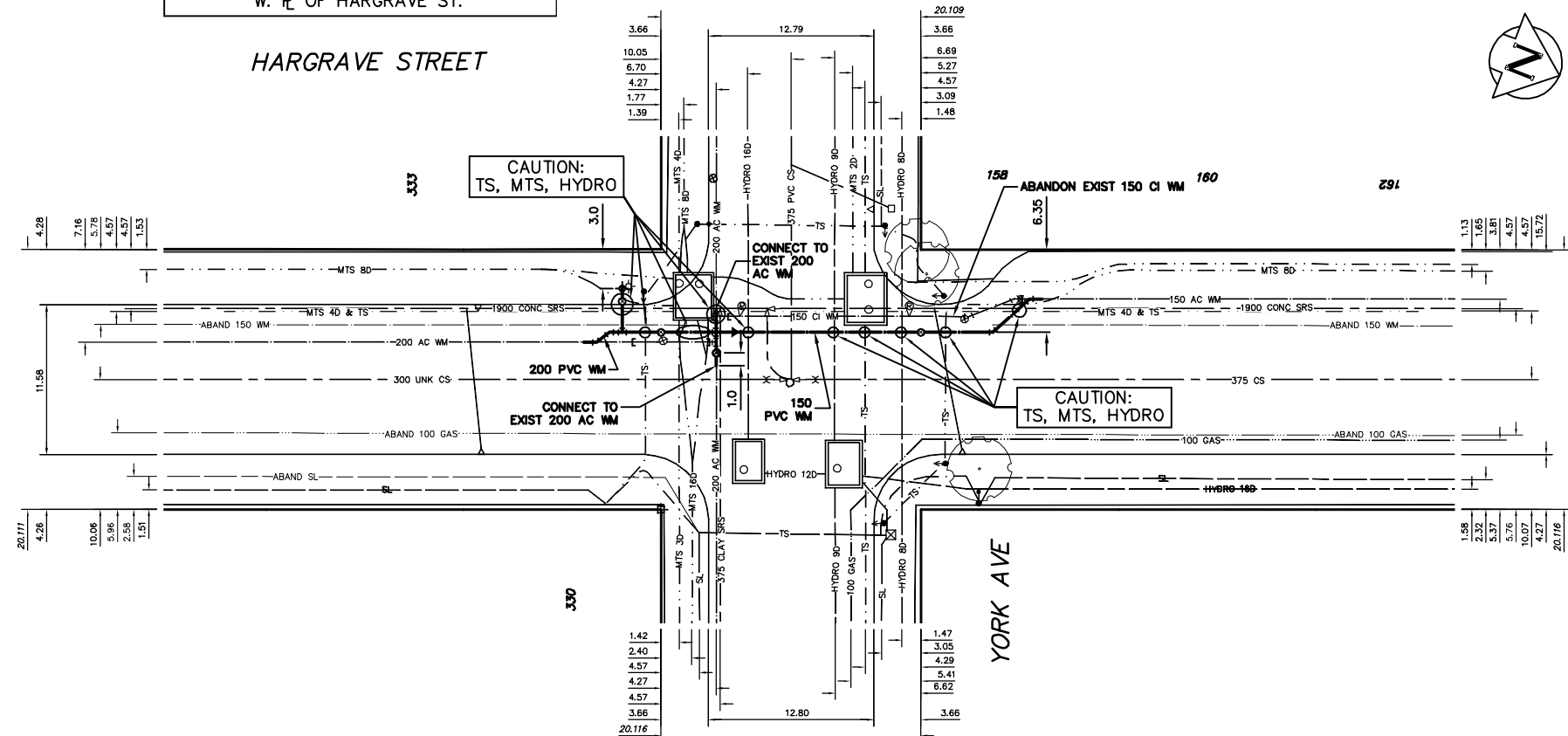


NOTE: CHAINAGES SHOWN ARE ALONG W. R. OF HARGRAVE ST.

**WATER SERVICE INFORMATION**

ADDRESS	SIZE(mm) & TYPE (STREET)	SIZE(mm) & TYPE (PROP)	SHORT & LONG MEASUREMENT	CORP. LOCATION	REMARKS
158 HARGRAVE ST RESIDENTIAL	-	-	-	-	-
160 HARGRAVE ST FIRE/DOMESTIC	150 CI	150 CI	14.37 WEL BLDG 20.12 WML HARGRAVE	OPP VALVE	SERV. OFF YORK SEWER JCT MEAS 26.40 W MH AT HARGRAVE
330 YORK AVE COMMERCIAL	150	-	3.96 NSL YORK 4.57 EEL HARGRAVE	-	-
330 YORK AVE SPRINKLER	150	100	3.96 NSL YORK 16.46 EEL HARGRAVE	OPP VALVE	REDUCES 150-100 @ R
333 BROADWAY COMMERCIAL	150	100	52.42 NNL BROADWAY	OPP VALVE	REDUCES 150-100 @ R
333 BROADWAY SPRINKLER	150 PVC	150 PVC	16.90 NNL BLDG 56.39 NNL BROADWAY	OPP VALVE	SERV. OFF HARGRAVE

\* SERVICES TO BE RENEWED TO R. ALL OTHERS TO BE RECONNECTED



- CONSTRUCTION NOTES**
1. EXPOSE EXISTING WATERMAIN & CONFIRM INVERTS PRIOR TO CONSTRUCTION.
  2. CONFIRM LOCATION OF ALL SERVICES IN THE FIELD.
  3. INSTALL WATERMAIN BY TRENCHLESS METHODS.
  4. TRENCHES AND EXCAVATIONS WITHIN 1 METRE OF A PAVED AREA INCLUDING SIDEWALKS SHALL BE CLASS 3 BACKFILL.
  5. ALL MATERIALS SHALL CONFORM TO THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.
  6. MINIMUM COVER TO TOP OF WATERMAIN SHALL BE 2.4 m.
  7. REPLACE ALL EXISTING LEAD SERVICES FROM PROPOSED WATERMAIN TO R.
  8. NOTIFY ALL AFFECTED RESIDENTS AND BUSINESSES 24 HOURS IN ADVANCE OF ANY WATER SHUTDOWNS OR DISRUPTION OF SERVICE.

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

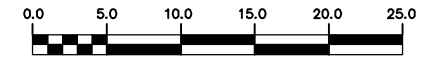
NOTE: ALL VALVES TO BE INSTALLED COUNTERCLOCKWISE TO CLOSE

**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



<table border="1"> <tr> <th>200 WM</th> <th>WATERMAIN</th> <th>200 WM</th> <th>SL, HYDRO</th> <th>150 WM</th> <th>WATERMAIN</th> <th>150 WM</th> </tr> <tr> <td>⊕</td> <td>HYDRANT</td> <td>⊕</td> <td>MTS</td> <td>⊕</td> <td>HYDRANT</td> <td>⊕</td> </tr> <tr> <td>⊙</td> <td>VALVE</td> <td>⊙</td> <td>TRAFFIC SIGNALS</td> <td>⊙</td> <td>VALVE</td> <td>⊙</td> </tr> <tr> <td>525 LDS</td> <td>LAND DRAINAGE SEWER</td> <td>525 LDS</td> <td>50 GAS</td> <td>300 LDS</td> <td>LAND DRAINAGE SEWER</td> <td>300 LDS</td> </tr> <tr> <td>375 WWS</td> <td>WASTEWATER SEWER</td> <td>375 WWS</td> <td>250 WWS</td> <td>250 WWS</td> <td>WASTEWATER SEWER</td> <td>250 WWS</td> </tr> <tr> <td>○</td> <td>MANHOLE</td> <td>○</td> <td>FENCE</td> <td>⊕</td> <td>PROFILE</td> <td></td> </tr> <tr> <td>□</td> <td>CATCH BASIN</td> <td>□</td> <td>POLE - HYDRO, MTS</td> <td>⊕</td> <td>GROUND ABOVE PIPE</td> <td></td> </tr> <tr> <td>▽</td> <td>CURB INLET</td> <td>▽</td> <td>CURB STOP</td> <td></td> <td></td> <td></td> </tr> <tr> <td>∇</td> <td>REDUCER</td> <td>∇</td> <td>GUY ANCHOR</td> <td></td> <td></td> <td></td> </tr> <tr> <td>X</td> <td>COUPLING</td> <td>X</td> <td>LIGHT STANDARD</td> <td></td> <td></td> <td></td> </tr> <tr> <td>⊕</td> <td>ANODE</td> <td>⊕</td> <td>TREE</td> <td></td> <td></td> <td></td> </tr> <tr> <td>EXISTING</td> <td>LEGEND-PLAN</td> <td>PROPOSED</td> <td>EXISTING</td> <td>LEGEND-PLAN</td> <td>PROPOSED</td> <td>EXISTING</td> </tr> </table>	200 WM	WATERMAIN	200 WM	SL, HYDRO	150 WM	WATERMAIN	150 WM	⊕	HYDRANT	⊕	MTS	⊕	HYDRANT	⊕	⊙	VALVE	⊙	TRAFFIC SIGNALS	⊙	VALVE	⊙	525 LDS	LAND DRAINAGE SEWER	525 LDS	50 GAS	300 LDS	LAND DRAINAGE SEWER	300 LDS	375 WWS	WASTEWATER SEWER	375 WWS	250 WWS	250 WWS	WASTEWATER SEWER	250 WWS	○	MANHOLE	○	FENCE	⊕	PROFILE		□	CATCH BASIN	□	POLE - HYDRO, MTS	⊕	GROUND ABOVE PIPE		▽	CURB INLET	▽	CURB STOP				∇	REDUCER	∇	GUY ANCHOR				X	COUPLING	X	LIGHT STANDARD				⊕	ANODE	⊕	TREE				EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	<p>LOCATION APPROVED UNDERGROUND STRUCTURES</p> <p>NO. REVISIONS</p> <p>DATE</p> <p>BY</p>	<p>B.M. ELEV.</p> <p>FIELD BOOK #</p> <p>POSTED TO LIS</p>	<p><b>CITY OF WINNIPEG</b> WATER AND WASTE ENGINEERING DIVISION</p> <p>DESIGNED BY: SC CHECKED BY: TW</p> <p>DRAWN BY: CJH/PB APPROVED BY: KZ</p> <p>HOR. SCALE: 1:250 VERTICAL: 1:50</p> <p>RELEASED FOR CONSTRUCTION</p> <p>DATE: 2005 06 09</p>	<p>ENGINEER'S SEAL</p> <p>ORIGINAL SIGNED BY: K.R. ZUREK DATE: 05/06/09</p>	<p><b>THE CITY OF WINNIPEG</b> WATER AND WASTE DEPARTMENT</p> <p>2005 WATERMAIN RENEWALS</p> <p>HARGRAVE STREET AT INTERSECTION WITH YORK AVENUE</p> <p>SHEET 7 OF 16 CITY DRAWING NUMBER: D-8728</p>
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