

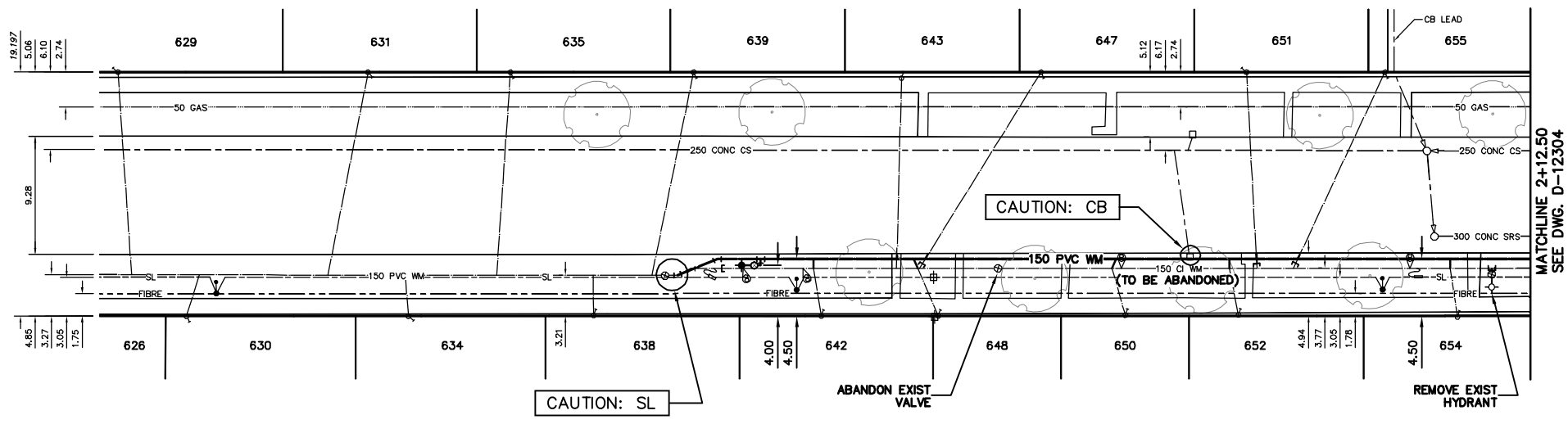
WATER SERVICE INFORMATION

ADDRESS	SIZE(mm) & TYPE (STREET)	SIZE(mm) & TYPE (PROP.)	SHORT & LONG MEASUREMENT	CORP. LOCATION	REMARKS
635 MUNROE AV	12 COPPER	12 COPPER	0.61 E. OF W. LINE	45.60 E 1ST HYD	OUTSIDE RENEWAL LIMITS
638 MUNROE AV	20 COPPER	20 COPPER	6.10 OUT	OPP S/C	OUTSIDE RENEWAL LIMITS
639 MUNROE AV	12 COPPER	12 COPPER	0.76 E OF W COR HSE	57.79 E 1ST HYD	OUTSIDE RENEWAL LIMITS
642 MUNROE AV	12 COPPER	12 COPPER	4.88 W. E. LINE		RECONNECT SERVICE
643 MUNROE AV	12 COPPER	12 COPPER	7.77 OUT		RECONNECT SERVICE
647 MUNROE AV	12 COPPER	12 COPPER	1.93 EWL HSE		RECONNECT SERVICE
648 MUNROE AV	20 COPPER	20 COPPER	9.63 W E COR HSE	44.38 W OF HYD	RECONNECT SERVICE
650 MUNROE AV	20 COPPER	20 COPPER	2.39 WWL HSE		RECONNECT SERVICE
651 MUNROE AV	12 COPPER	12 COPPER	2.65 EWL HSE	1.7 W S/C	RECONNECT SERVICE
652 MUNROE AV	12 COPPER	12 COPPER	3.05 E OF W COR HSE	17.86 W OF HYD	RECONNECT SERVICE
654 MUNROE AV	12 COPPER	12 COPPER	0.89 WWL HSE		RECONNECT SERVICE
655 MUNROE AV	12 COPPER	12 COPPER	3.71 EWL HSE		RECONNECT SERVICE
655 MUNROE AV	12 COPPER	12 COPPER	0.30 W OF W LINE	14.99 W OF HYD	RECONNECT SERVICE

* SERVICES TO BE RENEWED TO R UPON CONFIRMATION BY THE CONTRACTOR OF EXISTING LEAD SERVICE. OBTAIN APPROVAL FROM CONTRACT ADMINISTRATOR PRIOR TO RENEWAL.

NOTE: CHAINAGES SHOWN ARE ALONG S. R. OF MUNROE AVE

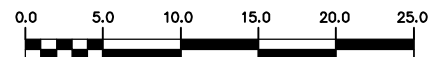
MUNROE AVENUE



- CONSTRUCTION NOTES**
- EXPOSE EXISTING WATERMAIN & CONFIRM INVERTS PRIOR TO CONSTRUCTION.
 - LOCATION OF ALL SERVICES TO BE CONFIRMED IN THE FIELD.
 - INSTALL WATERMAIN BY TRENCHLESS METHODS.
 - TRENCHES AND EXCAVATIONS WITHIN 1 METRE OF A PAVED AREA INCLUDING SIDEWALKS SHALL BE CLASS 3 BACKFILL.
 - ALL MATERIALS SHALL CONFORM TO THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.
 - MINIMUM COVER TO TOP OF WATERMAIN SHALL BE 2.4 m.
 - REPLACE ALL EXISTING LEAD SERVICES FROM PROPOSED WATERMAIN TO R.
 - 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

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



NOTE: ALL VALVES TO BE INSTALLED COUNTERCLOCKWISE TO CLOSE

<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>-t-</td> <td>HYDRANT</td> <td>+</td> </tr> <tr> <td>o</td> <td>VALVE</td> <td>o</td> <td>TRAFFIC SIGNALS</td> <td>-x-</td> <td>VALVE</td> <td>x</td> </tr> <tr> <td>525 LDS</td> <td>LAND DRAINAGE SEWER</td> <td>525 LDS</td> <td>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>SURVEY BAR</td> <td>250 WWS</td> <td>WASTEWATER SEWER</td> <td>250 WWS</td> </tr> <tr> <td>o</td> <td>MANHOLE</td> <td>o</td> <td>FENCE</td> <td>-x-</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>DITCH (NORTH & WEST)</td> <td></td> </tr> <tr> <td>◁</td> <td>REDUCER</td> <td>◁</td> <td>GUY ANCHOR</td> <td>▼</td> <td>DITCH (SOUTH & EAST)</td> <td></td> </tr> <tr> <td>X</td> <td>COUPLER</td> <td>X</td> <td>LIGHT STANDARD</td> <td>○</td> <td>GUTTER (NORTH & WEST)</td> <td></td> </tr> <tr> <td>⊕</td> <td>ANODE</td> <td>⊕</td> <td>TREE</td> <td>○</td> <td>GUTTER (SOUTH & EAST)</td> <td></td> </tr> <tr> <td>EXISTING</td> <td>LEGEND-PLAN</td> <td>PROPOSED</td> <td>EXISTING</td> <td>LEGEND-PROFILE</td> <td>PROPOSED</td> <td>EXISTING</td> </tr> </table>	200 WM	WATERMAIN	200 WM	SL, HYDRO	150 WM	WATERMAIN	150 WM	+	HYDRANT	+	MTS	-t-	HYDRANT	+	o	VALVE	o	TRAFFIC SIGNALS	-x-	VALVE	x	525 LDS	LAND DRAINAGE SEWER	525 LDS	GAS	300 LDS	LAND DRAINAGE SEWER	300 LDS	375 WWS	WASTEWATER SEWER	375 WWS	SURVEY BAR	250 WWS	WASTEWATER SEWER	250 WWS	o	MANHOLE	o	FENCE	-x-	PROFILE		□	CATCH BASIN	■	POLE - HYDRO, MTS		GROUND ABOVE PIPE		▽	CURB INLET	▽	CURB STOP	▲	DITCH (NORTH & WEST)		◁	REDUCER	◁	GUY ANCHOR	▼	DITCH (SOUTH & EAST)		X	COUPLER	X	LIGHT STANDARD	○	GUTTER (NORTH & WEST)		⊕	ANODE	⊕	TREE	○	GUTTER (SOUTH & EAST)		EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PROFILE	PROPOSED	EXISTING	<p>LOCATION APPROVED UNDERGROUND STRUCTURES</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.</p> <p>FIELD BOOK #</p> <p>POSTED TO LBIS</p>	<p>CITY OF WINNIPEG WATER AND WASTE ENGINEERING DIVISION</p> <p>DESIGNED BY: DB DRAWN BY: CJH HOR. SCALE: 1:250 VERTICAL: 1:50</p> <p>CHECKED BY: KZ/SC APPROVED BY: KZ RELEASED FOR CONSTRUCTION</p>	<p>ENGINEER'S SEAL</p> <p>ORIGINAL SIGNED BY K.R. ZUREK 11/03/07</p>	<p>THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT</p> <p>2011 WATERMAIN RENEWALS CONTRACT 9 MUNROE AVENUE 200 W OF GREY STREET TO 87.50 W OF GREY STREET</p>	<p>SHEET 5 OF 9</p> <p>CITY DRAWING NUMBER D-12303</p>
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