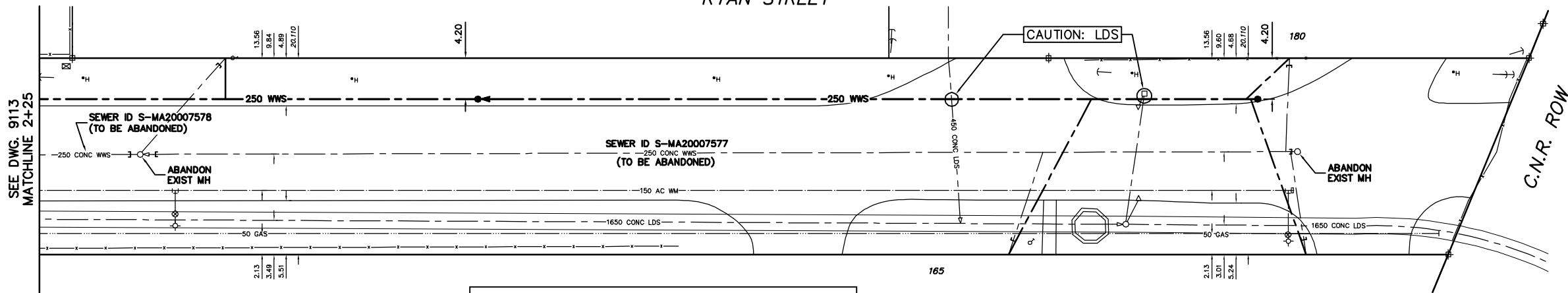


NOTE: CHAINAGES SHOWN ARE ALONG W \bar{C} OF RYAN ST

RYAN STREET



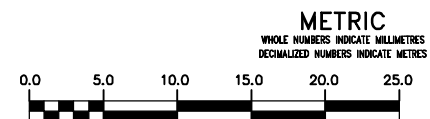
SEWER JUNCTION INFORMATION FROM SEWER VIDEO INSPECTION SEWER ID S-MA20007577			
DISTANCE FROM MH ID S-MH20006939			
0.7	S	150#	EAST
1.2	S	150#	WEST
26.1	S	150#	EAST

SEWER JUNCTION INFORMATION FROM SEWER VIDEO INSPECTION SEWER ID S-MA20007578			
DISTANCE FROM MH ID S-MA20006940			
NO JUNCTIONS			

- CONSTRUCTION NOTES:**
1. ALL PIPE SHALL HAVE CLASS B - TYPE 2 BEDDING
 2. INSTALL SEWER BY TRENCHLESS METHODS.
 3. CONFIRM THE LOCATION OF ALL SEWER SERVICES.
 4. BACKFILL UNDER PAVEMENT, IN SIDEWALKS, & WITHIN 1.0 OF PAVEMENT TO BE CLASS 3.
 5. BACKFILL IN BOULEVARD TO BE CLASS 5.
 6. RENEW SEWER SERVICES TO \bar{C} .
 7. INSTALL SEWER SERVICE RISERS TO ELEVATION WHERE MINIMUM SLOPE OF 1% IS MAINTAINED FOR ALL SERVICES.

CAUTION:
GAS ON E SIDE
OF RYAN ST

SEWER SERVICE INFORMATION			
ADDRESS	SIZE	\bar{C} DIST	JUNCTION TE
165 RYAN ST	COMMERCIAL	45.08 S OF NL	29.31 S 1ST MH S HYDE
180 RYAN ST	COMMERCIAL	15.78 N OF SL	2.29 S 2ND MH S HYDE



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" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">200 WM</td> <td style="width: 50%;">200 WM</td> </tr> <tr> <td>WATERMAIN</td> <td>WATERMAIN</td> </tr> <tr> <td>HYDRANT</td> <td>HYDRANT</td> </tr> <tr> <td>VALVE</td> <td>VALVE</td> </tr> <tr> <td>525 LDS</td> <td>525 LDS</td> </tr> <tr> <td>LAND DRAINAGE SEWER</td> <td>LAND DRAINAGE SEWER</td> </tr> <tr> <td>375 WWS</td> <td>375 WWS</td> </tr> <tr> <td>WASTEWATER SEWER</td> <td>WASTEWATER SEWER</td> </tr> <tr> <td>MANHOLE</td> <td>MANHOLE</td> </tr> <tr> <td>CATCH BASIN</td> <td>CATCH BASIN</td> </tr> <tr> <td>CURB INLET</td> <td>CURB INLET</td> </tr> <tr> <td>JUNCTIONS</td> <td>JUNCTIONS</td> </tr> <tr> <td>CULVERT</td> <td>CULVERT</td> </tr> <tr> <td>ANODE</td> <td>ANODE</td> </tr> <tr> <td>EXISTING</td> <td>PROPOSED</td> </tr> </table>	200 WM	200 WM	WATERMAIN	WATERMAIN	HYDRANT	HYDRANT	VALVE	VALVE	525 LDS	525 LDS	LAND DRAINAGE SEWER	LAND DRAINAGE SEWER	375 WWS	375 WWS	WASTEWATER SEWER	WASTEWATER SEWER	MANHOLE	MANHOLE	CATCH BASIN	CATCH BASIN	CURB INLET	CURB INLET	JUNCTIONS	JUNCTIONS	CULVERT	CULVERT	ANODE	ANODE	EXISTING	PROPOSED	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">150 WM</td> <td style="width: 50%;">150 WM</td> </tr> <tr> <td>WATERMAIN</td> <td>WATERMAIN</td> </tr> <tr> <td>HYDRANT</td> <td>HYDRANT</td> </tr> <tr> <td>VALVE</td> <td>VALVE</td> </tr> <tr> <td>50 GAS</td> <td>50 GAS</td> </tr> <tr> <td>300 LDS</td> <td>300 LDS</td> </tr> <tr> <td>LAND DRAINAGE SEWER</td> <td>LAND DRAINAGE SEWER</td> </tr> <tr> <td>250 WWS</td> <td>250 WWS</td> </tr> <tr> <td>WASTEWATER SEWER</td> <td>WASTEWATER SEWER</td> </tr> <tr> <td>\bar{C} PROFILE</td> <td>\bar{C} PROFILE</td> </tr> <tr> <td>GROUND ABOVE PIPE</td> <td>GROUND ABOVE PIPE</td> </tr> <tr> <td>? DITCH (NORTH & WEST)</td> <td>? DITCH (NORTH & WEST)</td> </tr> <tr> <td>? DITCH (SOUTH & EAST)</td> <td>? DITCH (SOUTH & EAST)</td> </tr> <tr> <td>GUY ANCHOR</td> <td>GUY ANCHOR</td> </tr> <tr> <td>LIGHT STANDARD</td> <td>LIGHT STANDARD</td> </tr> <tr> <td>TREE</td> <td>TREE</td> </tr> <tr> <td>EXISTING</td> <td>PROPOSED</td> </tr> </table>	150 WM	150 WM	WATERMAIN	WATERMAIN	HYDRANT	HYDRANT	VALVE	VALVE	50 GAS	50 GAS	300 LDS	300 LDS	LAND DRAINAGE SEWER	LAND DRAINAGE SEWER	250 WWS	250 WWS	WASTEWATER SEWER	WASTEWATER SEWER	\bar{C} PROFILE	\bar{C} PROFILE	GROUND ABOVE PIPE	GROUND ABOVE PIPE	? DITCH (NORTH & WEST)	? DITCH (NORTH & WEST)	? DITCH (SOUTH & EAST)	? DITCH (SOUTH & EAST)	GUY ANCHOR	GUY ANCHOR	LIGHT STANDARD	LIGHT STANDARD	TREE	TREE	EXISTING	PROPOSED	<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. FIELD BOOK #</p> <p>POSTED TO LBS</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th>NO.</th> <th>REVISIONS</th> <th>DATE</th> <th>BY</th> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </table>	NO.	REVISIONS	DATE	BY					<p>CITY OF WINNIPEG WATER AND WASTE ENGINEERING DIVISION</p> <p>DESIGNED BY: AMC CHECKED BY: SC DRAWN BY: CJH APPROVED BY: KZ</p> <p>HOR. SCALE: 1:250 VERTICAL: 1:50</p> <p>DATE: 2009 10 20 DATE: DATE:</p>	<p>ENGINEER'S SEAL</p> <p>ORIGINAL SIGNED BY S.R.J. COURNOYER 09/10/22</p> <p>BID OPPORTUNITY : 703-2009 FILENAME : 9112.dwg PLOT DATE : 2009 10 26</p>	<p>THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT</p> <p>2009 SEWER RENEWALS AND REPAIRS CONTRACT 24 RYAN STREET 1ST MH N OF MIRIAM AVENUE TO 2ND MH N OF MIRIAM AVENUE</p> <p>SHEET 15 OF 18 CITY DRAWING NUMBER 9112</p>
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