



NOTE:  
CHAINAGE SHOWN ARE ALONG EXIST.  
150 WATERMAIN

WATER SERVICE LOCATION RECORDS				
ADDRESS	SIZE/TYPE	SHORT/LONG	CORP. LOCATION	COMMENTS
300 PEMBINA HWY	20 COPPER	26.6 EWL BLDG 26.6 EEL PEMBINA	OPP S/C	IN USE
469 WARSAW AV	20 COPPER	0.6 EWL BLDG 151.8 EEL PEMBINA	NO RECORD	ABANDONED
470 WARSAW AV	20 COPPER	5.8 WEL BLDG 10.7 WWL LANE	OPP S/C	ABANDONED
471 WARSAW AV	20 COPPER	2.1 WEL BLDG 14.6 WWL LANE	NO RECORD	IN USE
479 WARSAW AV	20 COPPER	2.6 WEL BLDG 120.2 EEL PEMBINA	2.9 W S/C	IN USE

WATER SERVICE LOCATION RECORDS				
ADDRESS	SIZE/TYPE	SHORT/LONG	CORP. LOCATION	COMMENTS
491 WARSAW AV	20 COPPER	10.7 EWL BLDG	1.5 W S/C	IN USE
493 WARSAW AV	20 COPPER	OPP WL BLDG	0.3 W S/C	IN USE
495 WARSAW AV	20 COPPER	0.3 WWL BLDG 52.1 EEL PEMBINA	0.6 E S/C	ABANDONED
499 WARSAW AV	20 COPPER	OPP EL BLDG 49.7 EEL PEMBINA	13.4 E S/C	ABANDONED
505 WARSAW AV	20 COPPER	1.4 WWL BLDG 0.3 WWL #505	1.2 E S/C	ABANDONED

CONSTRUCTION NOTES:

1. EXPOSE EXISTING WATERMAIN & CONFIRM INVERTS PRIOR TO CONSTRUCTION.
2. CONFIRM LOCATION OF ALL EXISTING UTILITIES. LOCATIONS OF EXISTING UTILITIES AT CROSSINGS ARE TO BE VERTICALLY AND HORIZONTALLY VERIFIED (Vh) USING SOFT-DIG METHODS PRIOR TO CONSTRUCTION.
3. INSTALL WATERMAIN BY TRENCHLESS METHODS.
4. TRENCHES & 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 2.4m (2.1m WHERE INSULATED).
7. REPLACE ALL EXISTING LEAD SERVICES FROM PROPOSED WATERMAIN TO PL.
8. NOTIFY ALL RESIDENTS AND BUSINESSES 24 HOURS IN ADVANCE OF ANY WATER SHUTDOWNS OR DISRUPTION OF SERVICE.

<table border="1"> <tr> <td>150 mm W.M.</td> <td>WATERMAIN</td> <td>150 mm W.M.</td> <td>HYDRO</td> </tr> <tr> <td>Hydrant</td> <td>Valve</td> <td>Hydrant</td> <td>Valve</td> </tr> <tr> <td>300 mm L.D.S.</td> <td>LAND DRAINAGE SEWER</td> <td>300 mm L.D.S.</td> <td>LAND DRAINAGE SEWER</td> </tr> <tr> <td>250 mm W.W.S.</td> <td>WASTE WATER SEWER</td> <td>250 mm W.W.S.</td> <td>WASTE WATER SEWER</td> </tr> <tr> <td>Manhole</td> <td>Manhole</td> <td>Manhole</td> <td>Manhole</td> </tr> <tr> <td>Catch Basin</td> <td>Catch Basin</td> <td>Catch Basin</td> <td>Catch Basin</td> </tr> <tr> <td>Curb Inlet</td> <td>Curb Inlet</td> <td>Curb Inlet</td> <td>Curb Inlet</td> </tr> <tr> <td>Junctions</td> <td>Junctions</td> <td>Junctions</td> <td>Junctions</td> </tr> <tr> <td>Culvert</td> <td>Culvert</td> <td>Culvert</td> <td>Culvert</td> </tr> <tr> <td>Gas</td> <td>Gas</td> <td>Gas</td> <td>Gas</td> </tr> <tr> <td>Existing Legend-Plan</td> <td>Proposed</td> <td>Existing Legend-Profile</td> <td>Proposed</td> </tr> </table>	150 mm W.M.	WATERMAIN	150 mm W.M.	HYDRO	Hydrant	Valve	Hydrant	Valve	300 mm L.D.S.	LAND DRAINAGE SEWER	300 mm L.D.S.	LAND DRAINAGE SEWER	250 mm W.W.S.	WASTE WATER SEWER	250 mm W.W.S.	WASTE WATER SEWER	Manhole	Manhole	Manhole	Manhole	Catch Basin	Catch Basin	Catch Basin	Catch Basin	Curb Inlet	Curb Inlet	Curb Inlet	Curb Inlet	Junctions	Junctions	Junctions	Junctions	Culvert	Culvert	Culvert	Culvert	Gas	Gas	Gas	Gas	Existing Legend-Plan	Proposed	Existing Legend-Profile	Proposed	<table border="1"> <tr> <td>150 mm W.M.</td> <td>WATERMAIN</td> <td>150 mm W.M.</td> <td>HYDRANT</td> </tr> <tr> <td>Hydrant</td> <td>Valve</td> <td>Hydrant</td> <td>Valve</td> </tr> <tr> <td>300 mm L.D.S.</td> <td>LAND DRAINAGE SEWER</td> <td>300 mm L.D.S.</td> <td>LAND DRAINAGE SEWER</td> </tr> <tr> <td>250 mm W.W.S.</td> <td>WASTE WATER SEWER</td> <td>250 mm W.W.S.</td> <td>WASTE WATER SEWER</td> </tr> <tr> <td>Manhole</td> <td>Manhole</td> <td>Manhole</td> <td>Manhole</td> </tr> <tr> <td>Catch Basin</td> <td>Catch Basin</td> <td>Catch Basin</td> <td>Catch Basin</td> </tr> <tr> <td>Curb Inlet</td> <td>Curb Inlet</td> <td>Curb Inlet</td> <td>Curb Inlet</td> </tr> <tr> <td>Junctions</td> <td>Junctions</td> <td>Junctions</td> <td>Junctions</td> </tr> <tr> <td>Culvert</td> <td>Culvert</td> <td>Culvert</td> <td>Culvert</td> </tr> <tr> <td>Gas</td> <td>Gas</td> <td>Gas</td> <td>Gas</td> </tr> <tr> <td>Existing Legend-Plan</td> <td>Proposed</td> <td>Existing Legend-Profile</td> <td>Proposed</td> </tr> </table>	150 mm W.M.	WATERMAIN	150 mm W.M.	HYDRANT	Hydrant	Valve	Hydrant	Valve	300 mm L.D.S.	LAND DRAINAGE SEWER	300 mm L.D.S.	LAND DRAINAGE SEWER	250 mm W.W.S.	WASTE WATER SEWER	250 mm W.W.S.	WASTE WATER SEWER	Manhole	Manhole	Manhole	Manhole	Catch Basin	Catch Basin	Catch Basin	Catch Basin	Curb Inlet	Curb Inlet	Curb Inlet	Curb Inlet	Junctions	Junctions	Junctions	Junctions	Culvert	Culvert	Culvert	Culvert	Gas	Gas	Gas	Gas	Existing Legend-Plan	Proposed	Existing Legend-Profile	Proposed	<p>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>DESIGNED BY S.C.C.</p> <p>DRAWN BY A.J.P.</p> <p>CHECKED BY B.P.N.</p> <p>APPROVED BY D.P.K.</p> <p>HOR. SCALE 1:250</p> <p>VERTICAL 1:50</p> <p>RELEASED FOR CONSTRUCTION</p> <p>DATE</p>	<p>ENGINEER'S SEAL</p> <p><b>DILLON CONSULTING</b></p> <p>2011 WATERMAIN RENEWALS, CONTRACT 15 <b>WARSAW AVENUE</b> PEMBINA HWY. TO FIRST LANE EAST OF PEMBINA HWY.</p> <p>CONSULTANT PROJECT NO. <b>11-4345-1000</b></p>	<p><b>THE CITY OF WINNIPEG</b> WATER AND WASTE DEPARTMENT</p> <p>2011 WATERMAIN RENEWALS, CONTRACT 15 <b>WARSAW AVENUE</b> PEMBINA HWY. TO FIRST LANE EAST OF PEMBINA HWY.</p> <p>CITY DRAWING NUMBER <b>D-12346</b></p> <p>SHEET <b>1</b> OF <b>2</b></p> <p>BID OPPORTUNITY <b>214-2011</b></p>
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