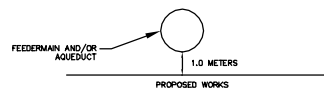


INSTALLATION EQUIPMENT FOR THE PROPOSED WORKS SHALL NOT CROSS OR TRAVEL ALONG EITHER SIDE OF THE AQUEDUCT WITHIN A LATERAL DISTANCE OF 5.0 METERS FROM THE CENTERLINE OF THE AQUEDUCT AND/OR FEEDERMAN.

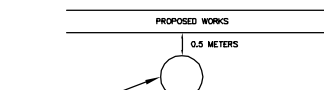
CONCRETE DEMOLITION AND REMOVAL WITHIN 3 METERS HORIZONTALLY OF THE AQUEDUCT AND/OR FEEDERMAN SHALL BE COMPLETED BY SAWCUTTING AND REMOVAL, OR BY THE USE OF HAND HELD JACKHAMMERS. USE OF MACHINE MOUNTED CONCRETE BREAKERS ABOVE THE AQUEDUCT AND/OR FEEDERMAN SHALL NOT BE PERMITTED.

DO NOT OPERATE VIBRATORY EQUIPMENT OVER OR WITHIN 3.0 METERS OF THE AQUEDUCT AND/OR FEEDERMAN.

A MINIMUM CLEARANCE OF 1.0 METER MUST BE PROVIDED BETWEEN THE UNDERSIDE OF ANY EXISTING AQUEDUCT OR FEEDERMAN AND THE TOP OF THE THE PROPOSED WORKS. THIS INSTALLATION BY TRENCHLESS METHOD ONLY



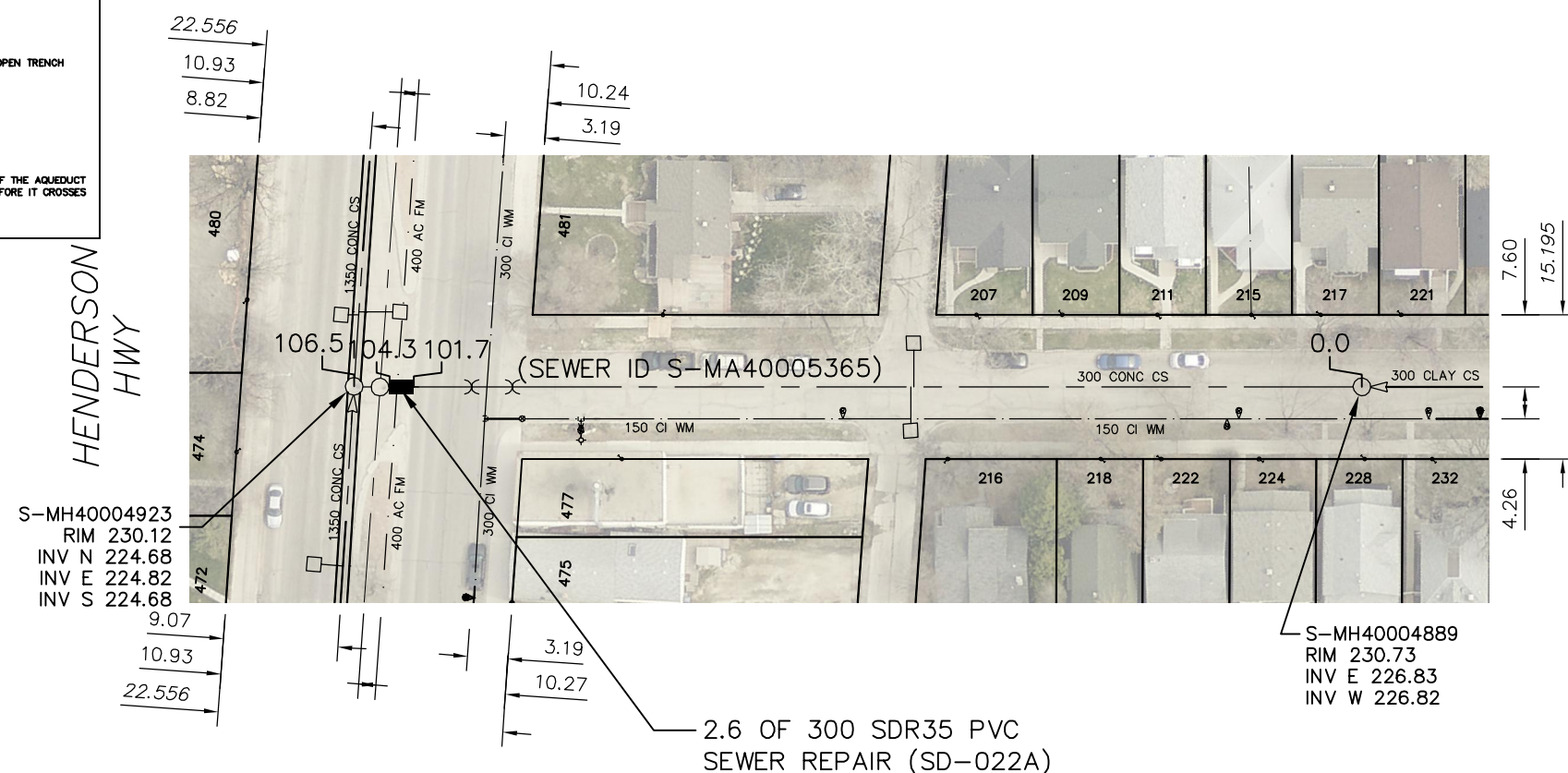
A MINIMUM CLEARANCE OF 0.5 METER MUST BE PROVIDED BETWEEN THE UNDERSIDE OF ANY EXISTING AQUEDUCT OR FEEDERMAN BY TRENCHLESS OR OPEN TRENCH



A SHAFT MUST BE EXCAVATED BY SOFT DIG METHODS 4.0 METERS FROM THE CENTERLINE OF THE AQUEDUCT AND/OR FEEDERMAN TO CONFIRM THE ALIGNMENT AND ELEVATION OF THE DRILLING ROD BEFORE IT CROSSES OVER OR UNDER THE AQUEDUCT AND/OR FEEDERMAN. THIS CONFIRMATION MUST BE WITNESSED BY A CITY REPRESENTATIVE.



OTTAWA AVENUE



SEWER JUNCTION INFORMATION FROM SEWER VIDEO INSPECTION		
SEWER ID S-MA40005365		
DISTANCE FROM MH ID S-MH40004889		
DISTANCE	DIAMETER	CLOCK
5.3	150	10
7.1	150	2
13.6	150	10
16.2	100	2
22.6	100	1
25.3	100	1
31.7	100	10
33.6	100	1
43.8	100	2
45.3	100	10
56.0	150	10
56.0	100	1
68.7	100	2
77.2	100	1
78.7	100	10

WARNING

IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:

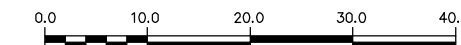
- 1) NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
- 2) TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.

SEE PROVINCIAL REGULATION 210/72 FOR DETAILS

FOR INDEX SEE 11159

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES



<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> <table border="1" style="width:100%; height: 100px;"> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </table>																																													<table border="1" style="width:100%;"> <tr> <td>DESIGNED BY</td> <td>TS</td> <td>CHECKED BY</td> <td>SC</td> </tr> <tr> <td>DRAWN BY</td> <td>RS</td> <td>APPROVED BY</td> <td>KZ</td> </tr> <tr> <td>SCALE:</td> <td colspan="3">HORIZONTAL 1:750</td> </tr> <tr> <td></td> <td colspan="3">VERTICAL</td> </tr> <tr> <td>DATE</td> <td>2015 12 16</td> <td>RELEASED FOR CONSTRUCTION</td> <td></td> </tr> <tr> <td>PLOT DATE:</td> <td>2015 12 16</td> <td>DATE</td> <td></td> </tr> </table>	DESIGNED BY	TS	CHECKED BY	SC	DRAWN BY	RS	APPROVED BY	KZ	SCALE:	HORIZONTAL 1:750				VERTICAL			DATE	2015 12 16	RELEASED FOR CONSTRUCTION		PLOT DATE:	2015 12 16	DATE		<p>ENGINEER'S SEAL</p> <p>ORIGINAL SIGNED BY S.R.J. COURNOYER 12/07/15</p> <p>CONSULTANT DRAWING NUMBER -</p>	<p>THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT ENGINEERING DIVISION</p> <p>2015 SEWER RENEWALS BY EXTERNAL POINT REPAIR OTTAWA AVENUE 2ND MH W OF BRAZIER STREET TO MH @ HENDERSON HIGHWAY</p>	<p>SHEET 36 of 49</p> <p>CITY DRAWING NUMBER</p> <p>11197</p>
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