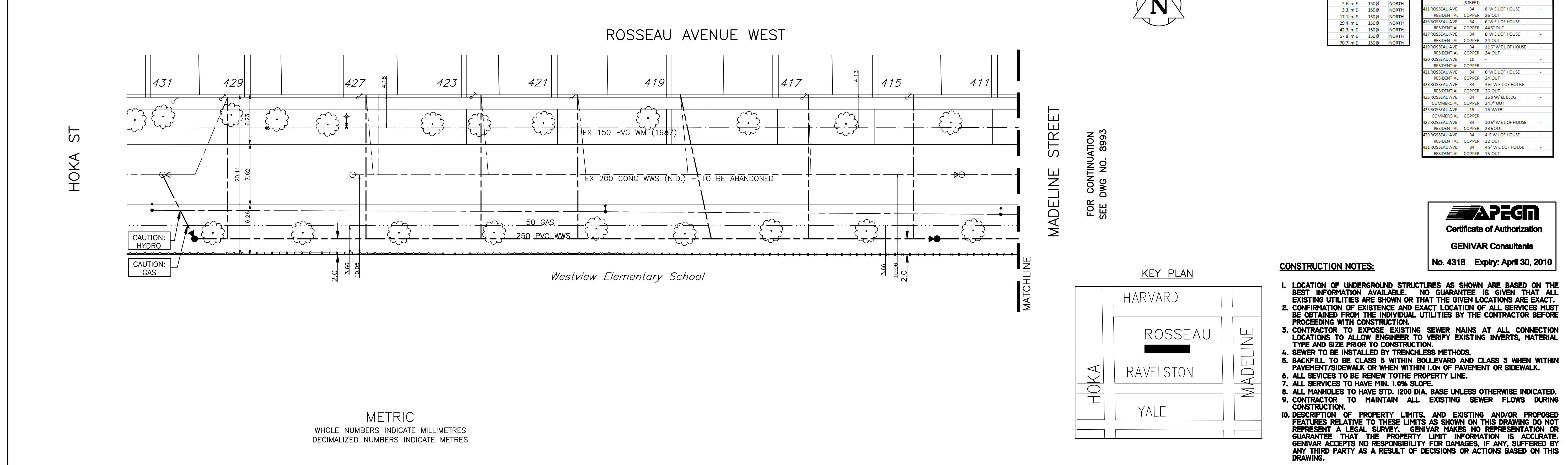


STATION 1+00 IS AT E. HOKA STREET

CHAINAGE ALONG NORTH PROPERTY LINE OF ROSSEAU AVENUE



SEWER JUNCTION INFORMATION FROM SEWER VIDEO INSPECTION			
ADDRESS (STREET)	SIZE (mm) & TYPE	SHORT & LONG MEASUREMENT	CORP. LOCATION
411 ROSSEAU AVE	150 Ø NORTH	34' 8" W E L OF HOUSE	-
415 ROSSEAU AVE	150 Ø NORTH	34' 6" W E L OF HOUSE	-
417 ROSSEAU AVE	150 Ø NORTH	34' 8" W E L OF HOUSE	-
419 ROSSEAU AVE	150 Ø NORTH	34' 11" W E L OF HOUSE	-
420 ROSSEAU AVE	150 Ø NORTH	34' 24" OUT	-
421 ROSSEAU AVE	150 Ø NORTH	34' 6" W E L OF HOUSE	-
423 ROSSEAU AVE	150 Ø NORTH	34' 24" OUT	-
425 ROSSEAU AVE	150 Ø NORTH	34' 15" W E L BLDG	-
427 ROSSEAU AVE	150 Ø NORTH	34' 24" OUT	-
429 ROSSEAU AVE	150 Ø NORTH	34' 10" W E L OF HOUSE	-
431 ROSSEAU AVE	150 Ø NORTH	34' 4" W E L OF HOUSE	-

APEGM
Certificate of Authorization
GENIVAR Consultants
No. 4318 Expiry: April 30, 2010

- CONSTRUCTION NOTES:**
- LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE. 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 BY THE CONTRACTOR BEFORE PROCEEDING WITH CONSTRUCTION.
 - CONTRACTOR TO EXPOSE EXISTING SEWER MAINS AT ALL CONNECTION LOCATIONS TO ALLOW ENGINEER TO VERIFY EXISTING INVERTS, MATERIAL TYPE AND SIZE PRIOR TO CONSTRUCTION.
 - SEWER TO BE INSTALLED BY TRENCHLESS METHODS.
 - BACKFILL TO BE CLASS 5 WITHIN BOULEVARD AND CLASS 3 WHEN WITHIN PAVEMENT/SIDEWALK OR WHEN WITHIN 1.0M OF PAVEMENT OR SIDEWALK.
 - ALL SERVICES TO BE RENEW TO THE PROPERTY LINE.
 - ALL SERVICES TO HAVE MIN. 1.0% SLOPE.
 - ALL MANHOLES TO HAVE STD. 1200 DIA. BASE UNLESS OTHERWISE INDICATED.
 - CONTRACTOR TO MAINTAIN ALL EXISTING SEWER FLOWS DURING CONSTRUCTION.
 - DESCRIPTION OF PROPERTY LIMITS, AND EXISTING AND/OR PROPOSED FEATURES RELATIVE TO THESE LIMITS AS SHOWN ON THIS DRAWING DO NOT REPRESENT A LEGAL SURVEY. GENIVAR MAKES NO REPRESENTATION OR GUARANTEE THAT THE PROPERTY LIMIT INFORMATION IS ACCURATE. GENIVAR ACCEPTS NO RESPONSIBILITY FOR DAMAGES, IF ANY, SUFFERED BY ANY THIRD PARTY AS A RESULT OF DECISIONS OR ACTIONS BASED ON THIS DRAWING.

<table border="1"> <tr> <th>EXISTING</th> <th>LEGEND - PLAN</th> <th>PROPOSED</th> <th>EXISTING</th> <th>LEGEND - PLAN</th> <th>PROPOSED</th> <th>EXISTING</th> <th>LEGEND - PROFILE</th> <th>PROPOSED</th> </tr> <tr> <td>---</td> <td>WATERMAIN</td> <td>---</td> <td>---</td> <td>REDUCER</td> <td>---</td> <td>---</td> <td>WATERMAIN</td> <td>---</td> </tr> <tr> <td>⊕</td> <td>HYDRANT</td> <td>⊕</td> <td>⊕</td> <td>PLUG</td> <td>⊕</td> <td>⊕</td> <td>VALVE</td> <td>⊕</td> </tr> <tr> <td>⊗</td> <td>VALVE</td> <td>⊗</td> <td>⊗</td> <td>TRAFFIC SIGNAL</td> <td>⊗</td> <td>⊗</td> <td>LAND DRAINAGE SEWER</td> <td>⊗</td> </tr> <tr> <td>---</td> <td>LAND DRAINAGE SEWER</td> <td>---</td> <td>---</td> <td>GAS</td> <td>---</td> <td>---</td> <td>WASTE WATER SEWER</td> <td>---</td> </tr> <tr> <td>---</td> <td>WASTE WATER SEWER</td> <td>---</td> <td>---</td> <td>HYDRO</td> <td>---</td> <td>---</td> <td>JUNCTIONS</td> <td>---</td> </tr> <tr> <td>○</td> <td>MANHOLE</td> <td>○</td> <td>○</td> <td>M.T.S.</td> <td>○</td> <td>○</td> <td>CULVERT</td> <td>○</td> </tr> <tr> <td>□</td> <td>CATCH BASIN</td> <td>□</td> <td>□</td> <td>FENCE</td> <td>□</td> <td>□</td> <td></td> <td></td> </tr> <tr> <td>△</td> <td>CURB INLET</td> <td>△</td> <td>△</td> <td>CURB STOP</td> <td>△</td> <td>△</td> <td></td> <td></td> </tr> <tr> <td>+</td> <td>TEE</td> <td>+</td> <td>+</td> <td>C.B. LEAD</td> <td>+</td> <td>+</td> <td></td> <td></td> </tr> <tr> <td>⊥</td> <td>BEND</td> <td>⊥</td> <td>⊥</td> <td>TREE</td> <td>⊥</td> <td>⊥</td> <td></td> <td></td> </tr> <tr> <td>⊖</td> <td>ANODE</td> <td>⊖</td> <td>⊖</td> <td>LAMP STANDARD</td> <td>⊖</td> <td>⊖</td> <td></td> <td></td> </tr> </table>	EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PLAN	PROPOSED	EXISTING	LEGEND - PROFILE	PROPOSED	---	WATERMAIN	---	---	REDUCER	---	---	WATERMAIN	---	⊕	HYDRANT	⊕	⊕	PLUG	⊕	⊕	VALVE	⊕	⊗	VALVE	⊗	⊗	TRAFFIC SIGNAL	⊗	⊗	LAND DRAINAGE SEWER	⊗	---	LAND DRAINAGE SEWER	---	---	GAS	---	---	WASTE WATER SEWER	---	---	WASTE WATER SEWER	---	---	HYDRO	---	---	JUNCTIONS	---	○	MANHOLE	○	○	M.T.S.	○	○	CULVERT	○	□	CATCH BASIN	□	□	FENCE	□	□			△	CURB INLET	△	△	CURB STOP	△	△			+	TEE	+	+	C.B. LEAD	+	+			⊥	BEND	⊥	⊥	TREE	⊥	⊥			⊖	ANODE	⊖	⊖	LAMP STANDARD	⊖	⊖			<p>LOCATION APPROVED</p> <p>SUPV. U/G STRUCTURES DATE COMMITTEE</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. ZONE 30, No. 44 (87R495) ELEV. 232.577</p> <p>GENIVAR 10 PRAIRIE WAY WINNIPEG, MANITOBA R2J 3J8 PH: (204)-477-8650 FAX: (204)-474-2884</p> <p>DESIGNED BY: MBS DRAWN BY: MBS HOR. SCALE: 1:250 VERT. SCALE: 1:50</p> <p>CHECKED BY: DJ APPROVED BY: IMcK RELEASED FOR CONSTRUCTION: KAZ ZUREK, P.ENG DATE: AUG 10 2009</p> <p>1 BID OPPORTUNITY 588-2009 NO. REVISIONS DATE BY</p>	<p>ENGINEERS SEAL</p> <p>I. G. MCKINNON REGISTERED PROFESSIONAL ENGINEER</p> <p>CONSULTANT DRAWING NO. 09-101-04</p>	<p>THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT</p> <p>2009 CAPITOL WORKS SEWER RENEWALS ROSSEAU AVENUE WEST 2ND MH WEST OF MADELINE STREET TO 1ST MH WEST OF MH AT MADELINE STREET</p>	<p>SHEET 1 OF 2</p> <p>CITY DRAWING NO. 8992</p>
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