



**3.50 OF 200 SDR 35 PVC SEWER REPAIR (SD-022B) INCLUDING 1 SEWER SERVICE RECONNECTION**

MH40011825  
RIM EL 32.49  
200 E INV 29.561

MH40011824  
RIM EL 32.71  
200 W INV 28.922  
200 E INV 28.922

**SEWER JUNCTION INFORMATION**

REF. MH*	DIST FROM* REF. MH	SIZE*	CLOCK AT*
MH40011825	1.60	150Ø	02
MH40011825	44.70	150Ø	10
MH40011825	56.50	150Ø	10
MH40011825	71.20	150Ø	10
MH40011825	86.70	150Ø	10
MH40011825	96.80	150Ø	10

\*JUNCTION INFORMATION FROM VIDEO INSPECTION

- CONSTRUCTION NOTES:**
1. CONTRACTOR TO VERIFY LIMITS OF SEWER REPAIRS PRIOR TO EXCAVATION BY MEANS OF VIDEO INSPECTION.
  2. CONTRACTOR TO PROVIDE VIDEO INSPECTION OF SEWER SERVICES WITHIN LIMITS OF REPAIR IN PRESENCE OF CONTRACT ADMINISTRATOR TO DETERMINE IF SERVICE RENEWAL IS REQUIRED.
  3. ALL BACKFILL TO BE CLASS 5 BACKFILL UNDER BOULEVARDS AND CLASS 3 UNDER OR WITHIN 1.0m OF PAVEMENT AND SIDEWALKS.

**BENCH MARK:**  
92R545 - S.E. Cor. Plessis Rd. & Ravelston Ave. W.,  
Tilt on top of 0.05 m sq. x 2.4 m iron tube, 1.867  
m W. of W. edge of Conc. sidewalk on E. side of  
Plessis Rd. & 0.405 m S. of S. edge of Conc.  
sidewalk on S. side of Ravelston Ave. W., or 3.8 m W.  
of E.L. Plessis Rd. & on S.L. of Ravelston Ave. W.

**METRIC**  
WHOLE NUMBERS INDICATE MILLIMETRES  
DECIMALIZED NUMBERS INDICATE METRES

**AECOM**  
Certificate of Authorization  
AECOM Canada Ltd.  
No. 4671 Date: 11/02/10

BID OPPORTUNITY NO. 901-2010

AECOM REVIEW	DRAFT CHK	<b>LOCATION APPROVED UNDERGROUND STRUCTURES</b>		BM 30-048 ELEV 232.405m
		SUPR. U/G STRUCTURES	DATE	
<p><b>NOTE:</b> 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>				
0		ISSUED FOR CONSTRUCTION	11/02/09	KMB
NO. REVISIONS		YYMMDD	BY	

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DESIGNED BY	ALD	CHECKED BY	PL
DRAWN BY	KMB	APPROVED BY	<i>[Signature]</i>
HOR. SCALE	1:500	RELEASED FOR CONSTRUCTION	<i>[Signature]</i>
VERT. SCALE	N/A	DATE	11/02/10

PROFESSIONAL'S SEAL  
PROVINCE OF MANITOBA  
K.W.  
**FITCHETT**  
REGISTERED PROFESSIONAL ENGINEER  
CONSULTANT DRAWING NO.  
60164626-01-C-123-R0X.dwg

**THE CITY OF WINNIPEG**  
WATER AND WASTE DEPARTMENT  
2010 WASTEWATER SEWER RENEWALS AND REPAIRS CONTRACT 16  
RAVELSTON AVENUE WEST  
PLESSIS ROAD  
TO 60m W OF MOROZ STREET

SHEET 23 OF 45	REV 0
CITY DRAWING NUMBER	
<b>9455</b>	