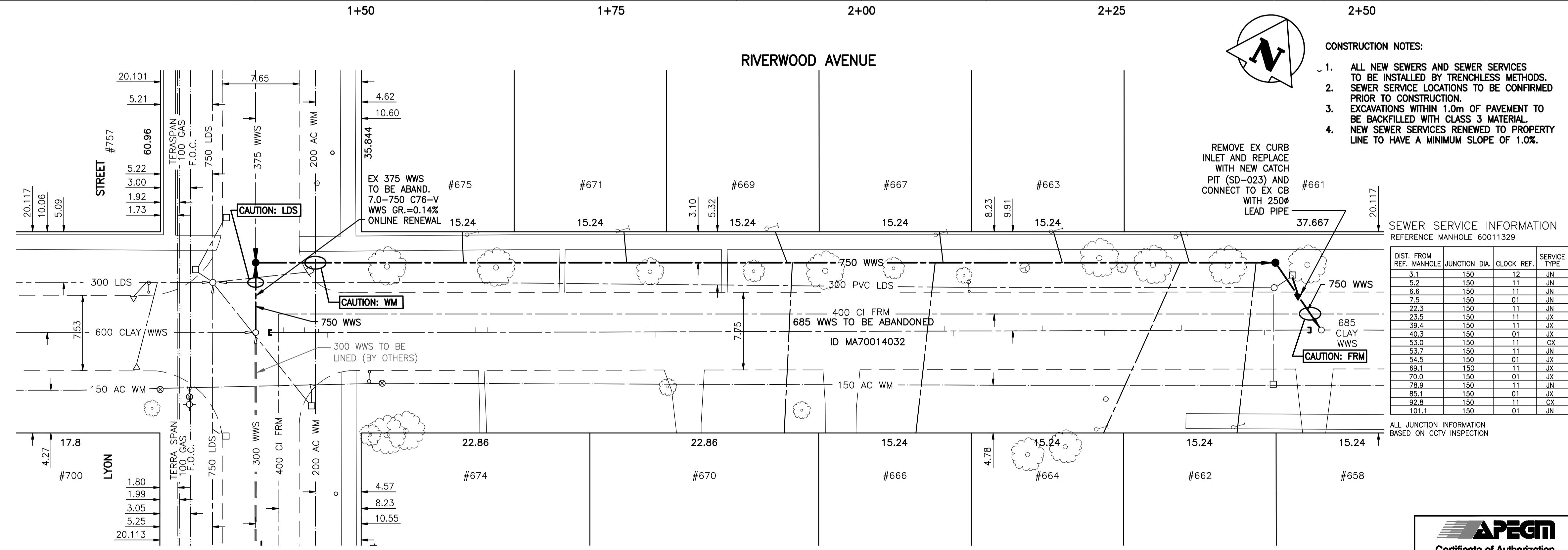


**WATER SERVICE INFORMATION**

ADDRESS	SIZE (mm) & TYPE (STREET)	SHORT & LONG MEASUREMENT	CORP MEASUREMENT	REMARKS
675 RIVERWOOD AVE RESIDENTIAL	19 COPPER	1.5 m W E H/L	2.8 m W E H/L	
674 RIVERWOOD AVE RESIDENTIAL	NO INFO AVAILABLE	3.7 m S N H/L	NO INFO AVAILABLE	
671 RIVERWOOD AVE RESIDENTIAL	NO INFO AVAILABLE	2.7 m W E H/L	2.4 m E OF S/C	92/09/11-#21751 SEWER REPAIR INTERNAL
670 RIVERWOOD AVE RESIDENTIAL	NO INFO AVAILABLE	1.7 m W E H/L	3.9 m W E P/L	TAX-FTG-1-901830-03 USED TAPPING CLAMP-COUPLING 3" CORP
669 RIVERWOOD AVE RESIDENTIAL	19 COPPER	3.0 m W E H/L	3.0 m W E H/L	
667 RIVERWOOD AVE RESIDENTIAL	NO INFO AVAILABLE	1.5 m W E H/L	0.5 m W E H/L	
666 RIVERWOOD AVE RESIDENTIAL	NO INFO AVAILABLE	3.7 m W E H/L	2.4 m W E H/L	
664 RIVERWOOD AVE RESIDENTIAL	NO INFO AVAILABLE	1.2 m W E H/L	NO INFO AVAILABLE	DEC 31/02 S/BOX DUG OUT (NO CONNECTOR SHEET)
663 RIVERWOOD AVE RESIDENTIAL	NO INFO AVAILABLE	1.5 m W E H/L	NO INFO AVAILABLE	
662 RIVERWOOD AVE RESIDENTIAL	NO INFO AVAILABLE	1.5 m W E H/L	ON E H/L	
661 RIVERWOOD AVE RESIDENTIAL	19 COPPER	3.4 m W E H/L	0.6 m E OF S/C	CRIG 1" FROM S/C PRO P. SIDE.
658 RIVERWOOD AVE RESIDENTIAL	NO INFO AVAILABLE	7.2 m W E H/L	NO INFO AVAILABLE	

**SEWER SERVICE INFORMATION**

ADDRESS	SIZE	PROPERTY LINE LOCATION	JUNCTION LOCATION
675 RIVERWOOD AVE RESIDENTIAL	NO INFO AVAILABLE	NO INFO AVAILABLE	NO INFO AVAILABLE
674 RIVERWOOD AVE RESIDENTIAL	NO INFO AVAILABLE	NO INFO AVAILABLE	NO INFO AVAILABLE
671 RIVERWOOD AVE RESIDENTIAL	NO INFO AVAILABLE	NO INFO AVAILABLE	NO INFO AVAILABLE
670 RIVERWOOD AVE RESIDENTIAL	NO INFO AVAILABLE	NO INFO AVAILABLE	NO INFO AVAILABLE
669 RIVERWOOD AVE RESIDENTIAL	NO INFO AVAILABLE	NO INFO AVAILABLE	NO INFO AVAILABLE
667 RIVERWOOD AVE RESIDENTIAL	NO INFO AVAILABLE	NO INFO AVAILABLE	NO INFO AVAILABLE
666 RIVERWOOD AVE RESIDENTIAL	NO INFO AVAILABLE	NO INFO AVAILABLE	NO INFO AVAILABLE
664 RIVERWOOD AVE RESIDENTIAL	NO INFO AVAILABLE	NO INFO AVAILABLE	NO INFO AVAILABLE
663 RIVERWOOD AVE RESIDENTIAL	NO INFO AVAILABLE	NO INFO AVAILABLE	NO INFO AVAILABLE
662 RIVERWOOD AVE RESIDENTIAL	NO INFO AVAILABLE	NO INFO AVAILABLE	NO INFO AVAILABLE
661 RIVERWOOD AVE RESIDENTIAL	NO INFO AVAILABLE	NO INFO AVAILABLE	NO INFO AVAILABLE
658 RIVERWOOD AVE RESIDENTIAL	NO INFO AVAILABLE	NO INFO AVAILABLE	NO INFO AVAILABLE



- CONSTRUCTION NOTES:**
1. ALL NEW SEWERS AND SEWER SERVICES TO BE INSTALLED BY TRENCHLESS METHODS. SEWER SERVICE LOCATIONS TO BE CONFIRMED PRIOR TO CONSTRUCTION.
  2. EXCAVATIONS WITHIN 1.0m OF PAVEMENT TO BE BACKFILLED WITH CLASS 3 MATERIAL.
  3. NEW SEWER SERVICES RENEWED TO PROPERTY LINE TO HAVE A MINIMUM SLOPE OF 1.0%.

**SEWER SERVICE INFORMATION**  
REFERENCE MANHOLE 60011329

DIST. FROM REF. MANHOLE	JUNCTION DIA.	CLOCK REF.	SERVICE TYPE	REMARKS
3.1	150	12	JN	CAPPED
5.2	150	11	JN	CAPPED
6.6	150	11	JN	CAPPED
7.5	150	01	JN	CAPPED
22.3	150	11	JN	CAPPED
23.5	150	11	JX	CAPPED
39.4	150	11	JX	
40.3	150	01	JX	CAPPED
53.0	150	11	JX	CAPPED
53.7	150	11	JX	CAPPED
54.5	150	01	JX	
69.1	150	11	JX	LIVE
70.0	150	01	JX	
78.9	150	11	JX	LIVE
85.1	150	01	JX	
92.8	150	11	CX	
101.1	150	01	JN	

ALL JUNCTION INFORMATION BASED ON CCTV INSPECTION

**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 140/92 FOR DETAILS

**METRIC**

WHOLE NUMBERS INDICATE MILLIMETRES  
 DECIMALIZED NUMBERS INDICATE METRES

NOTE:  
 STATIONING IS ALONG S. P/L OF RIVERWOOD AVE.

BENCH MARK: 84R591 - N. side Dowker Ave.  
 @ South Dr. Tbit, on top of 0.05 m dia. x 2.4 m iron pipe, 1.5 m S. of N. L. of Dowker Ave. & 8.2 m E. of W.L. of South Dr.

BID OPPORTUNITY 536-2009



EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PROFILE	PROPOSED
150 WM	WATERMAIN	150 WM	HYDRANT	HYDRANT	HYDRANT	300 LDS	LAND DRAINAGE SEWER	300 LDS
250 WWS	WASTE WATER SEWER	250 WWS	MANHOLE	MANHOLE	MANHOLE	300 LDS	LAND DRAINAGE SEWER	300 LDS
300 LDS	LAND DRAINAGE SEWER	300 LDS	CATCH BASIN	CATCH BASIN	CATCH BASIN	250 WWS	WASTE WATER SEWER	250 WWS
300 LDS	LAND DRAINAGE SEWER	300 LDS	CURB INLET	CURB INLET	CURB INLET	300 LDS	LAND DRAINAGE SEWER	300 LDS
300 LDS	LAND DRAINAGE SEWER	300 LDS	JUNCTIONS	JUNCTIONS	JUNCTIONS	300 LDS	LAND DRAINAGE SEWER	300 LDS
300 LDS	LAND DRAINAGE SEWER	300 LDS	CULVERT	CULVERT	CULVERT	300 LDS	LAND DRAINAGE SEWER	300 LDS
300 LDS	LAND DRAINAGE SEWER	300 LDS	GAS	GAS	GAS	300 LDS	LAND DRAINAGE SEWER	300 LDS
300 LDS	LAND DRAINAGE SEWER	300 LDS	PROPERTY LINE	PROPERTY LINE	PROPERTY LINE	300 LDS	LAND DRAINAGE SEWER	300 LDS
300 LDS	LAND DRAINAGE SEWER	300 LDS	SURVEY BAR	SURVEY BAR	SURVEY BAR	300 LDS	LAND DRAINAGE SEWER	300 LDS
300 LDS	LAND DRAINAGE SEWER	300 LDS	DITCH	DITCH	DITCH	300 LDS	LAND DRAINAGE SEWER	300 LDS
300 LDS	LAND DRAINAGE SEWER	300 LDS	ELEVATION	ELEVATION	ELEVATION	300 LDS	LAND DRAINAGE SEWER	300 LDS

**LOCATION APPROVED UNDERGROUND STRUCTURES**

SUPV. U/G STRUCTURES COMMITTEE DATE

NOTE:  
 LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN 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.

NO.	REVISIONS	DATE	BY

**Stantec Consulting Ltd.**  
 905 Waverley Street, Winnipeg, Manitoba  
 Tel 204-489-5900 Fax 204-453-9012

DESIGNED BY: J.D.C. CHECKED BY: J.K.H.  
 DRAWN BY: W.R.A. APPROVED BY: H.A.K.

HOR. SCALE: 1:250  
 VERTICAL: 1:50

RELEASED FOR CONSTRUCTION:  
 SIGNED BY: K. ZUREK

DATE: 09.05.27 DATE: AUG. 13, 2009

ENGINEER'S SEAL

ORIGINAL SEALED BY:  
 H.A. KATZ  
 P. ENG.  
 09.08.13

CONSULTANT DRAWING NO.  
 C-203

**THE CITY OF WINNIPEG**  
 WATER AND WASTE DEPARTMENT  
 ENGINEERING DIVISION

**RIVERWOOD AVENUE (CL)**  
 MH AT LYON ST TO IST MH E OF LYON ST

STA. 0+80 TO STA. 2+00  
 2009 SEWER RENEWAL

SHEET 4 OF 14  
 CAD FILE DRAWING NUMBER: I1480c-201-712.dwg  
 CITY DRAWING NUMBER: 8860