

**WATER SERVICE INFORMATION**

ADDRESS	SIZE(mm) & TYPE (STREET)	SIZE(mm) & TYPE (PROP)	SHORT & LONG MEASUREMENT	CORP. LOCATION
2 ARUNDEL RD RESIDENTIAL	20 COPPER	20 COPPER	5.12 SSL ELIZABETH	-
3 ARUNDEL RD RESIDENTIAL	20 COPPER	20 COPPER	18.76 SSL ELIZABETH	-
4 ARUNDEL RD RESIDENTIAL	20 COPPER	20 COPPER	22.27 SSL ELIZABETH	-
5 ARUNDEL RD RESIDENTIAL	20 COPPER	20 COPPER	33.50 SSL ELIZABETH	-
6 ARUNDEL RD RESIDENTIAL	20 COPPER	20 COPPER	36.81 SSL ELIZABETH	-
7 ARUNDEL RD RESIDENTIAL	20 COPPER	20 COPPER	44.94 SSL ELIZABETH	-
8 ARUNDEL RD RESIDENTIAL	20 COPPER	20 COPPER	49.45 SSL ELIZABETH	-
9 ARUNDEL RD RESIDENTIAL	20 COPPER	20 COPPER	64.20 SSL ELIZABETH	-
10 ARUNDEL RD RESIDENTIAL	20 COPPER	20 COPPER	65.01 SSL ELIZABETH	-
11 ARUNDEL RD RESIDENTIAL	20 COPPER	20 COPPER	65.69>NNL ARUNDEL (S LEG)	-
12 ARUNDEL RD RESIDENTIAL	20 COPPER	20 COPPER	65.72>NNL ARUNDEL (S LEG)	-
631 ELIZABETH RD RESIDENTIAL	20 COPPER	20 COPPER	4.15 EWL ARUNDEL (W LEG)	-
633 ELIZABETH RD RESIDENTIAL	20 COPPER	20 COPPER	8.02 EWL ARUNDEL (W LEG)	-
637 ELIZABETH RD RESIDENTIAL	20 COPPER	20 COPPER	5.81 EEL ARUNDEL (W LEG)	-
639 ELIZABETH RD RESIDENTIAL	20 COPPER	20 COPPER	10.67 EEL ARUNDEL (W LEG)	-

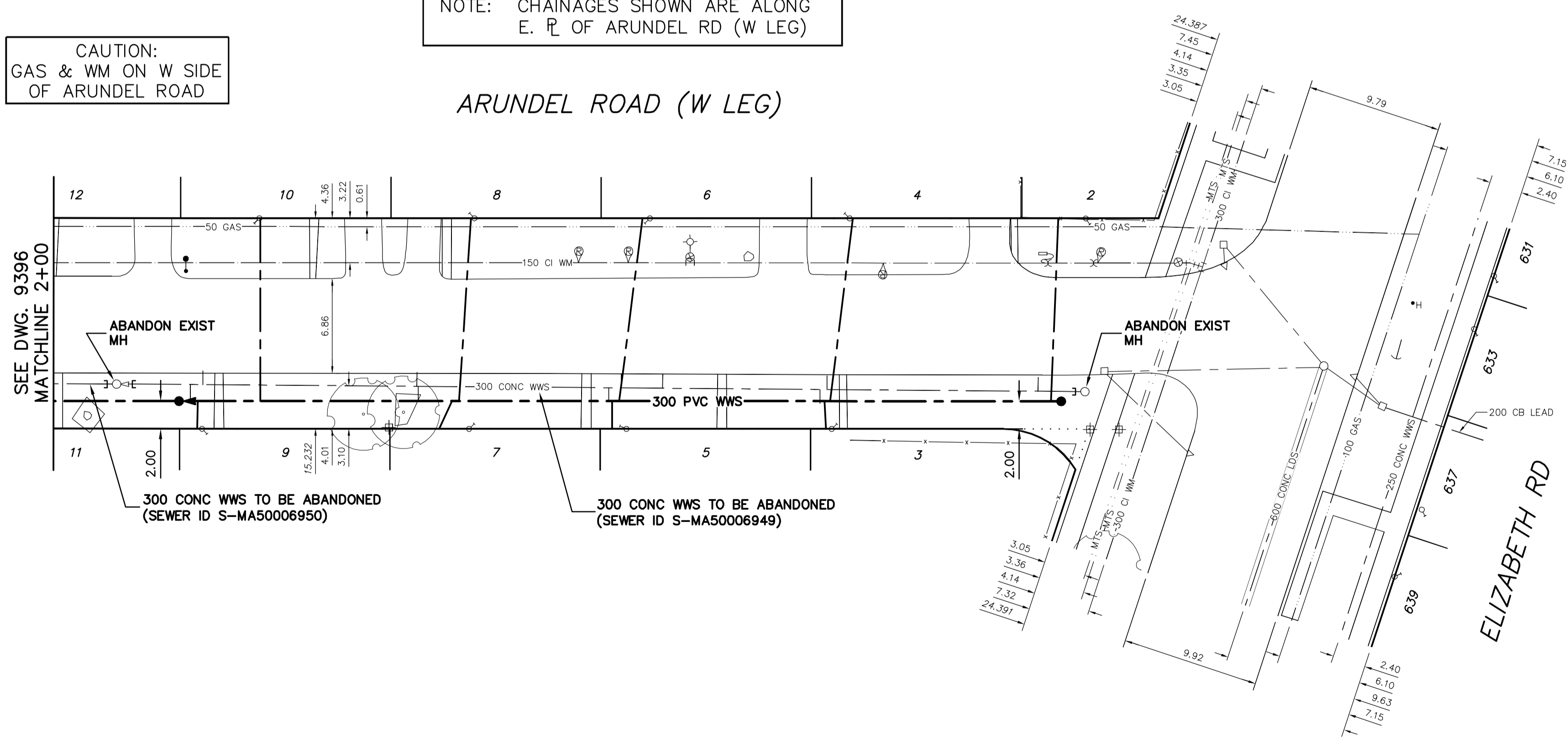
**SEWER SERVICE INFORMATION**

ADDRESS	SIZE	R DIST	JUNCTION TIE
2 ARUNDEL RD RESIDENTIAL	-	7.50	S OF NL
3 ARUNDEL RD RESIDENTIAL	-	1.37	N OF SL
4 ARUNDEL RD RESIDENTIAL	-	3.05	N OF SL
5 ARUNDEL RD RESIDENTIAL	-	0.92	N OF SL
6 ARUNDEL RD RESIDENTIAL	-	3.05	N OF SL
7 ARUNDEL RD RESIDENTIAL	-	1.22	N OF SL
8 ARUNDEL RD RESIDENTIAL	-	5.8	N OF SL
9 ARUNDEL RD RESIDENTIAL	-	1.22	N OF SL
10 ARUNDEL RD RESIDENTIAL	-	9.46	S OF NL
11 ARUNDEL RD RESIDENTIAL	-	1.51	N OF SL
12 ARUNDEL RD RESIDENTIAL	-	3.66	N OF SL

NOTE: CHAINAGES SHOWN ARE ALONG E. R. OF ARUNDEL RD (W LEG)

CAUTION: GAS & WM ON W SIDE OF ARUNDEL ROAD

**ARUNDEL ROAD (W LEG)**



- CONSTRUCTION NOTES:**
1. INSTALL SEWER BY TRENCHLESS METHODS.
  2. CONFIRM THE LOCATION OF ALL SEWER SERVICES.
  3. BACKFILL UNDER PAVEMENT, IN SIDEWALKS, & WITHIN 1.0 OF PAVEMENT TO BE CLASS 3.
  4. BACKFILL IN BOULEVARD TO BE CLASS 5.
  5. RENEW SEWER SERVICES TO R.
  6. INSTALL SEWER SERVICE RISERS TO ELEVATION WHERE MINIMUM SLOPE OF 1% IS MAINTAINED FOR ALL SERVICES.

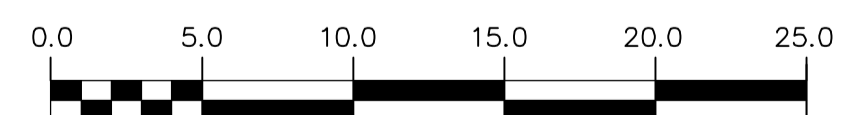
SEWER JUNCTION INFORMATION FROM SEWER VIDEO INSPECTION SEWER ID S-MA50006949

DISTANCE FROM MH ID S-MA50005952			
3.4	S	150#	WEST JN
18.7	S	150#	WEST JN
19.2	S	150#	EAST JN
30.6	S	150#	WEST CX
33.6	S	150#	WEST CN
34.5	S	150#	EAST CN
48.3	S	150#	EAST CN
48.4	S	150#	WEST CN
63.9	S	150#	WEST CN
64.8	S	150#	EAST CN

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

**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



200 WM	WATERMAIN	200 WM	SL, HYDRO	150 WM	WATERMAIN	150 WM
⊕	HYDRANT	⊕	MTS	⊕	HYDRANT	⊕
⊕	VALVE	⊕	TRAFFIC SIGNALS	⊕	VALVE	⊕
525_LDS	LAND DRAINAGE SEWER	525_LDS	GAS	300_LDS	LAND DRAINAGE SEWER	300_LDS
375_WWS	WASTEWATER SEWER	375_WWS	SURVEY BAR	250_WWS	WASTEWATER SEWER	250_WWS
○	MANHOLE	●	FENCE	⊕	€ PROFILE	
□	CATCH BASIN	■	POLE - HYDRO, MTS	⊕	GROUND ABOVE PIPE	
▽	CURB INLET	⊕	CURB STOP	⊕	? DITCH (NORTH & WEST)	
⊕	JUNCTIONS	⊕	GUY ANCHOR	⊕	? DITCH (SOUTH & EAST)	
⊕	CULVERT	⊕	LIGHT STANDARD	⊕	GUTTER (NORTH & WEST)	
⊕	ANODE	⊕	TREE	⊕	GUTTER (SOUTH & EAST)	
EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING

LOCATION APPROVED UNDERGROUND STRUCTURES		B.M. ELEV.	FIELD BOOK #:
SUPV. U/G STRUCTURES COMMITTEE <td>DATE <td>POSTED TO LBIS <td></td> </td></td>	DATE <td>POSTED TO LBIS <td></td> </td>	POSTED TO LBIS <td></td>	
NO.	REVISIONS	DATE	BY

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

DESIGNED BY: MKG  
CHECKED BY: SC

DRAWN BY: CJH  
APPROVED BY: SC

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

RELEASED FOR CONSTRUCTION

DATE: 2010 08 16

ENGINEER'S SEAL

ORIGINAL SIGNED BY  
**S.R.J. COURNOYER**  
10/08/16

BID OPPORTUNITY: 572-2010  
FILENAME: 9395.dwg  
PLOT DATE: 2010 08 16

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

2010 SEWER RENEWALS AND REPAIRS CONTRACT 20

**ARUNDEL ROAD (W LEG)**  
MH AT ELIZABETH ROAD TO 1ST MH S OF ELIZABETH ROAD

SHEET 14 OF 20  
CITY DRAWING NUMBER  
**9395**