

ADDRESS	SIZE(mm) & TYPE (STREET)	SIZE(mm) & TYPE (PROP)	SHORT & LONG MEASUREMENT	CORP. LOCATION	REMARKS
614 BUCHANAN BLVD	20 COPPER	20 COPPER	6.34 N OF SE	0.46 S OF S/C	
617 BUCHANAN BLVD	20 COPPER	20 COPPER	48.24>NNL PORTAGE	2.0 S OF S/C	
620 BUCHANAN BLVD	20 COPPER	20 COPPER	52.48>NNL PORTAGE	2.55 S OF S/C	
621 BUCHANAN BLVD	20 COPPER	20 COPPER	63.35>NNL PORTAGE	0.88 N OF S/C	
624 BUCHANAN BLVD	20 COPPER	20 COPPER	68.99>NNL PORTAGE	0.13 S OF S/C	
628 BUCHANAN BLVD	20 COPPER	20 COPPER	77.45>NNL PORTAGE	1.7 S OF S/C	
629 BUCHANAN BLVD	20 COPPER	20 COPPER	92.18>NNL PORTAGE	2.43 S OF S/C	
631 BUCHANAN BLVD	20 COPPER	20 COPPER	79.19>NNL PORTAGE	6.5 S OF S/C	
632 BUCHANAN BLVD	20 COPPER	20 COPPER	99.67>NNL PORTAGE	0.1 S OF S/C	
635 BUCHANAN BLVD	20 COPPER	20 COPPER	109.36>NNL PORTAGE	1.75 N OF S/C	
636 BUCHANAN BLVD	20 COPPER	20 COPPER	114.78>NNL PORTAGE	0.3 N OF S/C	
639 BUCHANAN BLVD	20 COPPER	20 COPPER	121.72>NNL PORTAGE	6.8 S OF S/C	
640 BUCHANAN BLVD	20 COPPER	20 COPPER	127.42>NNL PORTAGE	0.1 N OF S/C	
643 BUCHANAN BLVD	20 COPPER	20 COPPER	136.59>NNL PORTAGE	2.1 S OF S/C	
644 BUCHANAN BLVD	20 COPPER	20 COPPER	140.57>NNL PORTAGE	1.3 S OF S/C	
647 BUCHANAN BLVD	20 COPPER	20 COPPER	156.18>NNL PORTAGE	3.3 S OF S/C	
648 BUCHANAN BLVD	20 COPPER	20 COPPER	162.36>NNL PORTAGE	1.51 S OF S/C	
651 BUCHANAN BLVD	20 COPPER	20 COPPER	169.08>NNL PORTAGE	1.43 N OF S/C	
652 BUCHANAN BLVD	20 COPPER	20 COPPER	168.99>NNL PORTAGE	1.68 S OF S/C	
655 BUCHANAN BLVD	20 COPPER	20 COPPER	181.29>NNL PORTAGE	0.46 N OF S/C	
658 BUCHANAN BLVD	20 COPPER	20 COPPER	91.70>SSL LIVINIA	1.18 N OF S/C	
659 BUCHANAN BLVD	20 COPPER	20 COPPER	94.13>SSL LIVINIA	8.34 N OF S/C	
660 BUCHANAN BLVD	20 COPPER	20 COPPER	72.34>SSL LIVINIA	0.86 S OF S/C	
663 BUCHANAN BLVD	20 COPPER	20 COPPER	71.78>SSL LIVINIA	0.65 N OF S/C	
664 BUCHANAN BLVD	20 COPPER	20 COPPER	63.97>SSL LIVINIA	0.32 S OF S/C	
667 BUCHANAN BLVD	20 COPPER	20 COPPER	57.14>SSL LIVINIA	0.41 N OF S/C	
668 BUCHANAN BLVD	20 COPPER	20 COPPER	45.93>SSL LIVINIA	0.05 S OF S/C	
669 BUCHANAN BLVD	20 COPPER	20 COPPER	36.29>SSL LIVINIA	OPP S/C	
672 BUCHANAN BLVD	20 COPPER	20 COPPER	23.29>SSL LIVINIA	2.75 N OF S/C	
675 BUCHANAN BLVD	20 COPPER	20 COPPER	23.06>SSL LIVINIA	0.36 S OF S/C	
676 BUCHANAN BLVD	20 COPPER	20 COPPER	10.09>SSL LIVINIA	2.02 N OF S/C	
677 BUCHANAN BLVD	20 COPPER	20 COPPER	11.59>SSL LIVINIA	0.8 S OF S/C	

ESTIMATED ELEVATION OF TILL (HARD PAN)

CONSTRUCTION NOTES:

- EXCAVATIONS SHALL BE AS FAR AS POSSIBLE FROM EXISTING TREES.
- INSTALL SEWER BY TRENCHLESS METHODS AT EXISTING LINE AND GRADE.
- CONFIRM THE LOCATION OF ALL SEWER SERVICES.
- BACKFILL UNDER PAVEMENT, IN SIDEWALKS, & WITHIN 1.0 OF PAVEMENT TO BE CLASS 3.
- BACKFILL IN BOULEVARD TO BE CLASS 5.
- RENEW SEWER SERVICES TO R.
- INSTALL SEWER SERVICE RISERS TO ELEVATION WHERE MINIMUM SLOPE OF 1% IS MAINTAINED FOR ALL SERVICES.

NOTE: CHAINAGES SHOWN ARE ALONG W R OF BUCHANAN BV.

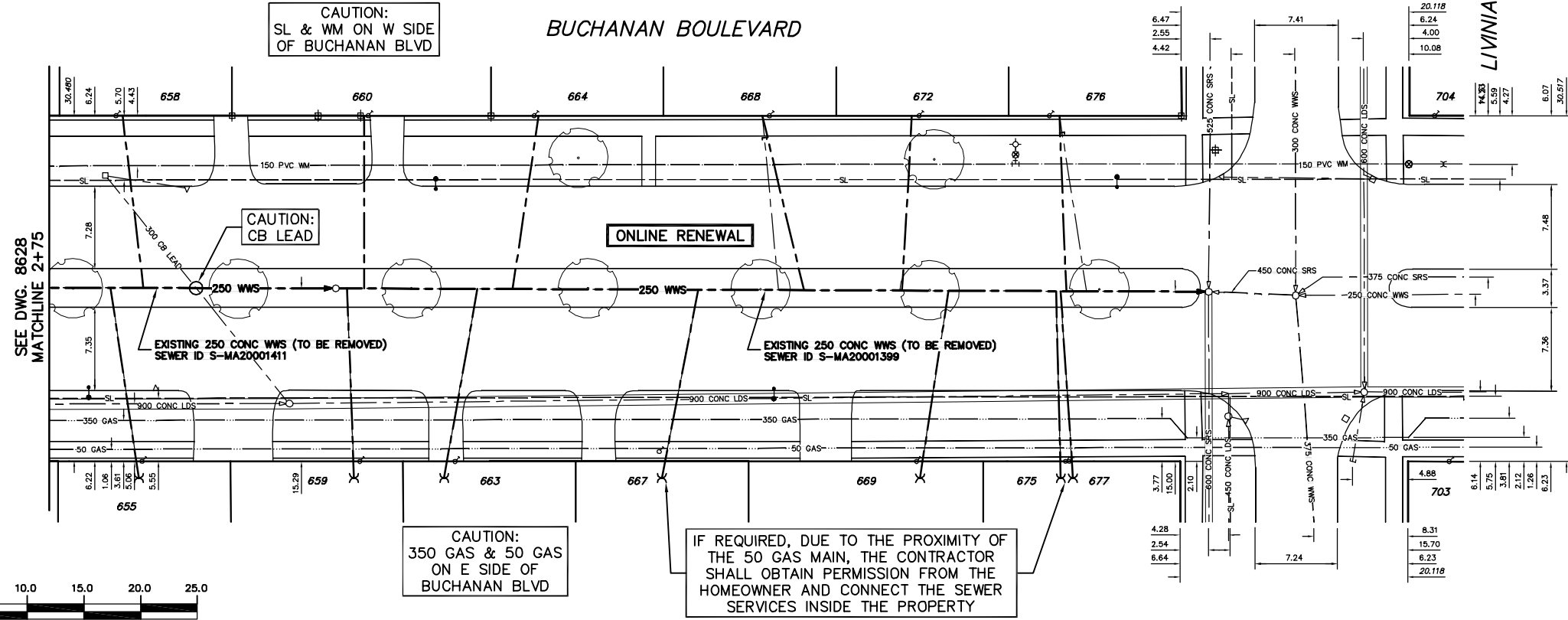
CAUTION: SL & WM ON W SIDE OF BUCHANAN BLVD

BUCHANAN BOULEVARD



SEWER JUNCTION INFORMATION FROM SEWER VIDEO INSPECTION SEWER ID S-MA20001399			
DISTANCE FROM MH ID S-MH20001257	DIR	DEPTH	REMARKS
1.0	N	150#	EAST CX
2.5	N	150#	TOP JN
12.5	N	100#	TOP JN
15.6	N	100#	TOP JN
32.0	N	100#	TOP JN
39.1	N	150#	WEST CX
50.0	N	150#	TOP JN
54.1	N	200#	EAST CX
63.6	N	100#	EAST JN
64.0	N	100#	EAST JN
66.3	N	100#	TOP JN

SEWER JUNCTION INFORMATION FROM SEWER VIDEO INSPECTION SEWER ID S-MA20001411			
DISTANCE FROM MH ID S-MH20004579	DIR	DEPTH	REMARKS
64.1	N	150#	TOP CNI
67.0	N	150#	TOP JN



ADDRESS	SIZE	R DIST	JUNCTION TIE
655 BUCHANAN BV	20	6.94	S OF SL
658 BUCHANAN BV	20	58.56	N 3RD MH N PORTAGE AVE
659 BUCHANAN BV	20	NO INFORMATION AVAILABLE	
660 BUCHANAN BV	20	4.40	S OF NL
663 BUCHANAN BV	20	8.75	N 4TH MH N PORTAGE AVE
664 BUCHANAN BV	20	NO INFORMATION AVAILABLE	
667 BUCHANAN BV	20	3.88	N OF SL
668 BUCHANAN BV	20	12.50	N 4TH MH N PORTAGE AVE
669 BUCHANAN BV	20	NO INFORMATION AVAILABLE	
672 BUCHANAN BV	20	NO INFORMATION AVAILABLE	
675 BUCHANAN BV	20	NO INFORMATION AVAILABLE	
676 BUCHANAN BV	20	6.51	S OF NL
677 BUCHANAN BV	20	44.99	N 4TH MH N PORTAGE AVE
678 BUCHANAN BV	20	5.36	S OF NL
679 BUCHANAN BV	20	58.38	N 4TH MH N PORTAGE AVE
680 BUCHANAN BV	20	NO INFORMATION AVAILABLE	
681 BUCHANAN BV	20	NO INFORMATION AVAILABLE	
682 BUCHANAN BV	20	NO INFORMATION AVAILABLE	
683 BUCHANAN BV	20	NO INFORMATION AVAILABLE	
684 BUCHANAN BV	20	NO INFORMATION AVAILABLE	
685 BUCHANAN BV	20	NO INFORMATION AVAILABLE	
686 BUCHANAN BV	20	NO INFORMATION AVAILABLE	
687 BUCHANAN BV	20	NO INFORMATION AVAILABLE	
688 BUCHANAN BV	20	NO INFORMATION AVAILABLE	
689 BUCHANAN BV	20	NO INFORMATION AVAILABLE	
690 BUCHANAN BV	20	NO INFORMATION AVAILABLE	

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	LOCATION APPROVED UNDERGROUND STRUCTURES
⊕	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)	⊕	
⊕	CULVERT	⊕	GUY ANCHOR	⊕	⊕ DITCH (SOUTH & EAST)	⊕	
⊕	ANODE	⊕	LIGHT STANDARD	⊕	⊕ GUTTER (NORTH & WEST)	⊕	
⊕		⊕	TREE	⊕	⊕ GUTTER (SOUTH & EAST)	⊕	
EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PROFILE

FIELD BOOK #

POSTED TO LIS

DESIGNED BY: SGL
CHECKED BY: NC

DRAWN BY: CJH
APPROVED BY: KZ

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

RELEASED FOR CONSTRUCTION

NO. REVISIONS: _____ DATE: _____ BY: _____

DATE: 2008 07 17

ENGINEER'S SEAL

ORIGINAL SIGNED BY K.R. ZUREK 08/07/17

THE CITY OF WINNIPEG
WATER AND WASTE DEPARTMENT

2008 SEWER RENEWALS
CONTRACT 15
BUCHANAN BOULEVARD

60 N 3RD MH N OF PORTAGE AVENUE TO MH AT S R LIVINIA AVENUE

SHEET 5 OF 8
CITY DRAWING NUMBER 8627

BID OPPORTUNITY: 578-2008
FILENAME: 8627.dwg
PLOT DATE: 2008 07 17