

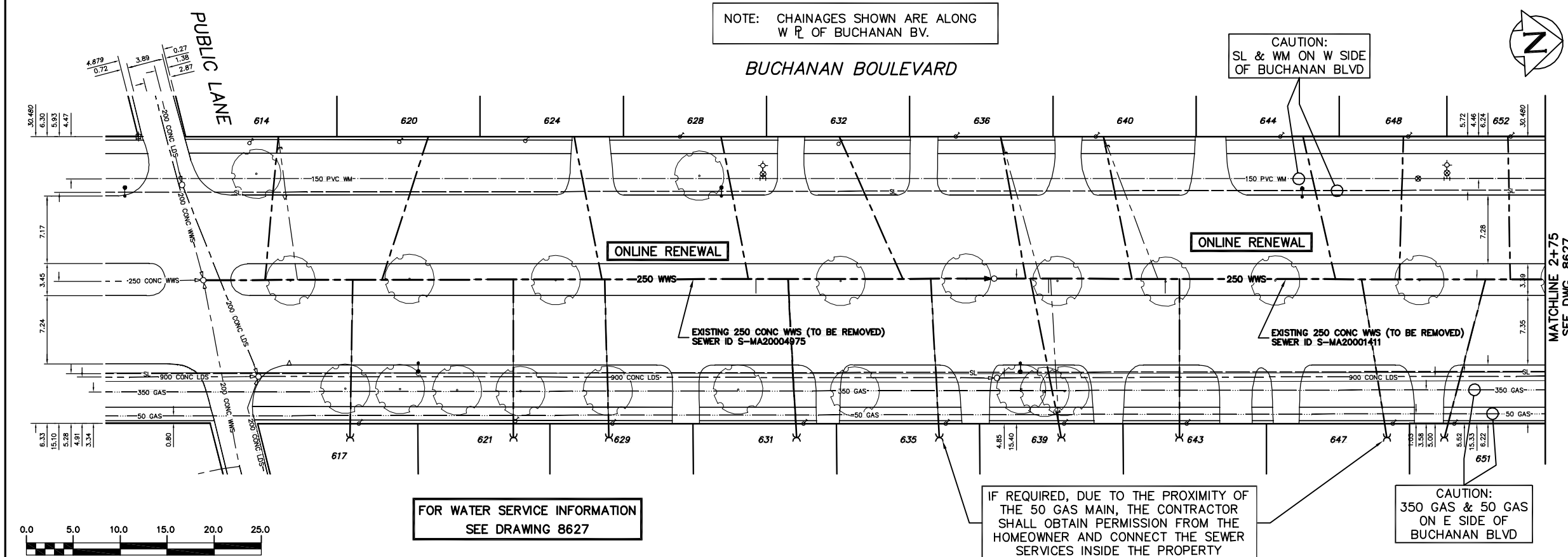
SEWER JUNCTION INFORMATION FROM SEWER VIDEO INSPECTION SEWER ID S-MA20004975

| DISTANCE FROM MH ID S-MH20004581 | | | |
|----------------------------------|---|------|---------|
| 10.0 | N | 150Ø | WEST CN |
| 15.9 | N | 150Ø | EAST JN |
| 19.0 | N | 150Ø | WEST CN |
| 33.0 | N | 150Ø | EAST CN |
| 42.4 | N | 150Ø | WEST JX |
| 42.7 | N | 150Ø | EAST CN |
| 58.0 | N | 150Ø | WEST JN |
| 58.8 | N | 100Ø | EAST JN |
| 62.2 | N | 150Ø | EAST CN |
| 74.4 | N | 150Ø | WEST JN |
| 77.4 | N | 150Ø | EAST CN |

SEWER JUNCTION INFORMATION FROM SEWER VIDEO INSPECTION SEWER ID S-MA20001411

| DISTANCE FROM MH ID S-MH20004579 | | | |
|----------------------------------|---|------|---------|
| 4.9 | N | 150Ø | WEST JX |
| 5.8 | N | 150Ø | EAST JN |
| 6.0 | N | 150Ø | EAST CN |
| 17.4 | N | 150Ø | WEST JX |
| 18.2 | N | 100Ø | EAST JX |
| 19.7 | N | 100Ø | EAST JX |
| 36.3 | N | 250Ø | TOP JX |
| 39.1 | N | 150Ø | EAST CN |
| 43.1 | N | 150Ø | WEST CN |
| 52.3 | N | 150Ø | EAST CN |
| 54.9 | N | 100Ø | WEST CN |

- 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.



SEWER SERVICE INFORMATION

| ADDRESS | SIZE | R DIST | JUNCTION TIE |
|-----------------|-------------|------------------------------|--------------------------|
| 614 BUCHANAN BV | RESIDENTIAL | - | NO INFORMATION AVAILABLE |
| 617 BUCHANAN BV | RESIDENTIAL | 7.20 S OF NL | - |
| 620 BUCHANAN BV | RESIDENTIAL | 16.15 N 2ND MH N PORTAGE | - |
| 621 BUCHANAN BV | RESIDENTIAL | 22.12 N 2ND MH N PORTAGE | - |
| 621 BUCHANAN BV | RESIDENTIAL | - | NO INFORMATION AVAILABLE |
| 624 BUCHANAN BV | RESIDENTIAL | - | NO INFORMATION AVAILABLE |
| 628 BUCHANAN BV | RESIDENTIAL | - | NO INFORMATION AVAILABLE |
| 629 BUCHANAN BV | RESIDENTIAL | - | NO INFORMATION AVAILABLE |
| 631 BUCHANAN BV | RESIDENTIAL | - | NO INFORMATION AVAILABLE |
| 632 BUCHANAN BV | RESIDENTIAL | 7.76 N OF SL | - |
| 632 BUCHANAN BV | RESIDENTIAL | 68.46 N 2ND MH N PORTAGE | - |
| 635 BUCHANAN BV | RESIDENTIAL | - | NO INFORMATION AVAILABLE |
| 636 BUCHANAN BV | RESIDENTIAL | - | NO INFORMATION AVAILABLE |
| 639 BUCHANAN BV | RESIDENTIAL | - | NO INFORMATION AVAILABLE |
| 640 BUCHANAN BV | RESIDENTIAL | 5.39 N OF SL | - |
| 640 BUCHANAN BV | RESIDENTIAL | 11.62 N 3RD MH N PORTAGE AVE | - |
| 643 BUCHANAN BV | RESIDENTIAL | - | NO INFORMATION AVAILABLE |
| 644 BUCHANAN BV | RESIDENTIAL | - | NO INFORMATION AVAILABLE |
| 647 BUCHANAN BV | RESIDENTIAL | 2.63 S OF NL | - |
| 648 BUCHANAN BV | RESIDENTIAL | 30.36 N 3RD MH N PORTAGE AVE | - |
| 648 BUCHANAN BV | RESIDENTIAL | - | NO INFORMATION AVAILABLE |
| 651 BUCHANAN BV | RESIDENTIAL | 4.10 N OF SL | - |
| 652 BUCHANAN BV | RESIDENTIAL | 45.91 N 3RD MH N PORTAGE AVE | - |
| 652 BUCHANAN BV | RESIDENTIAL | - | 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

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| <table border="1"> <tr><td>200 WM</td><td>WATERMAIN</td><td>200 WM</td><td>SL, HYDRO</td><td>150 WM</td><td>WATERMAIN</td><td>150 WM</td></tr> <tr><td>⊕</td><td>HYDRANT</td><td>⊕</td><td>MTS</td><td>⊕</td><td>HYDRANT</td><td>⊕</td></tr> <tr><td>⊙</td><td>VALVE</td><td>⊙</td><td>TRAFFIC SIGNALS</td><td>⊙</td><td>VALVE</td><td>⊙</td></tr> <tr><td>525 LDS</td><td>LAND DRAINAGE SEWER</td><td>525 LDS</td><td>GAS</td><td>300 LDS</td><td>LAND DRAINAGE SEWER</td><td>300 LDS</td></tr> <tr><td>375 WWS</td><td>WASTEWATER SEWER</td><td>375 WWS</td><td>SURVEY BAR</td><td>250 WWS</td><td>WASTEWATER SEWER</td><td>250 WWS</td></tr> <tr><td>○</td><td>MANHOLE</td><td>○</td><td>FENCE</td><td>⊕</td><td>PROFILE</td><td>⊕</td></tr> <tr><td>□</td><td>CATCH BASIN</td><td>□</td><td>POLE - HYDRO, MTS</td><td>⊕</td><td>GROUND ABOVE PIPE</td><td>⊕</td></tr> <tr><td>▽</td><td>CURB INLET</td><td>▽</td><td>CURB STOP</td><td>⊕</td><td>⊕ DITCH (NORTH & WEST)</td><td>⊕</td></tr> <tr><td>⊕</td><td>JUNCTIONS</td><td>⊕</td><td>GUY ANCHOR</td><td>⊕</td><td>⊕ DITCH (SOUTH & EAST)</td><td>⊕</td></tr> <tr><td>⊕</td><td>CULVERT</td><td>⊕</td><td>LIGHT STANDARD</td><td>⊕</td><td>⊕ GUTTER (NORTH & WEST)</td><td>⊕</td></tr> <tr><td>⊕</td><td>ANODE</td><td>⊕</td><td>TREE</td><td>⊕</td><td>⊕ GUTTER (SOUTH & EAST)</td><td>⊕</td></tr> <tr><td>EXISTING</td><td>LEGEND-PLAN</td><td>PROPOSED</td><td>EXISTING</td><td>LEGEND-PLAN</td><td>PROPOSED</td><td>EXISTING</td></tr> </table> | 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 | <p>LOCATION APPROVED UNDERGROUND STRUCTURES</p> <p>SUPV. U/G STRUCTURES COMMITTEE</p> <p>DATE</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. ELEV.</p> <p>FIELD BOOK #</p> <p>POSTED TO LBS</p> | <p>CITY OF WINNIPEG WATER AND WASTE ENGINEERING DIVISION</p> <p>DESIGNED BY: SGL CHECKED BY: NC</p> <p>DRAWN BY: CJH APPROVED BY: KZ</p> <p>HOR. SCALE: 1:250 VERTICAL: 1:50</p> <p>RELEASED FOR CONSTRUCTION</p> <p>DATE: 2008 07 17</p> | <p>ENGINEER'S SEAL</p> <p>ORIGINAL SIGNED BY K.R. ZUREK 08/07/17</p> <p>BID OPPORTUNITY: 578-2008 FILENAME: 8628.dwg PLOT DATE: 2008 07 17</p> | <p>THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT</p> <p>2008 SEWER RENEWALS CONTRACT 15 BUCHANAN BOULEVARD 2ND MH N OF PORTAGE AVENUE TO 60 N 3RD MH N OF PORTAGE AVENUE</p> <p>SHEET 6 OF 8 CITY DRAWING NUMBER 8628</p> |
| 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 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |