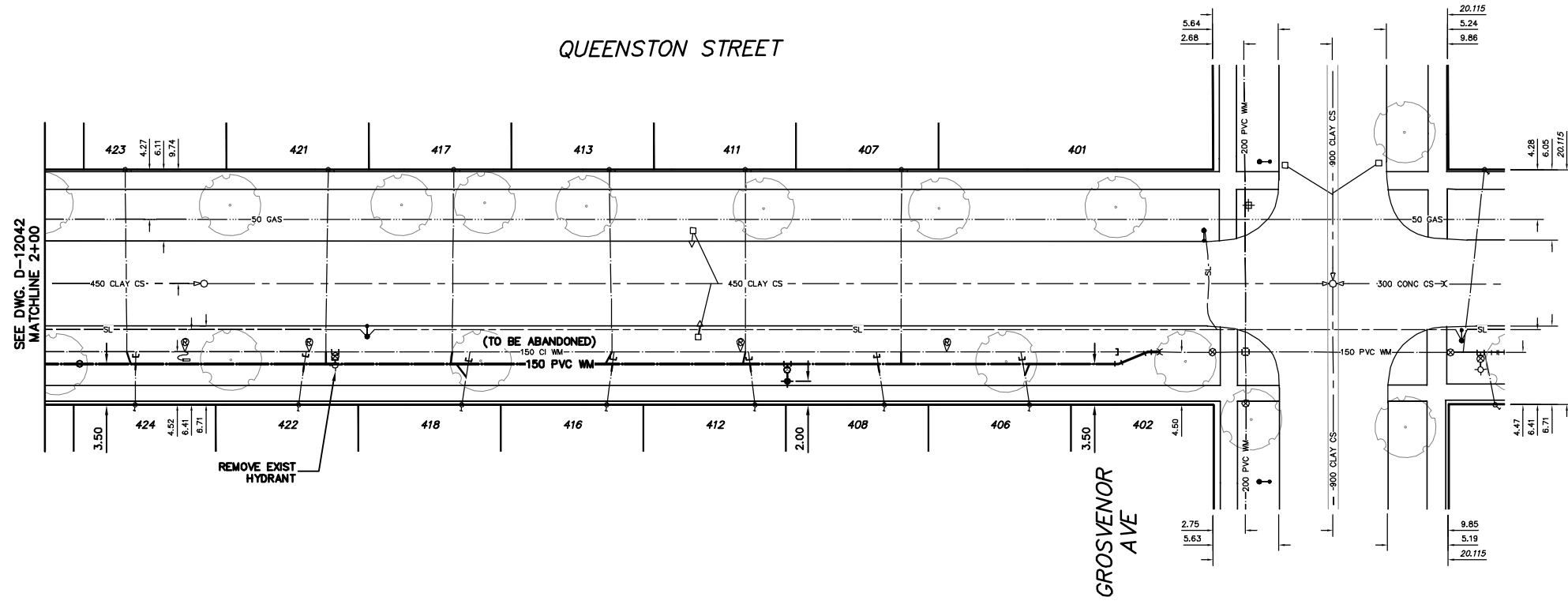


NOTE: CHAINAGES SHOWN ARE ALONG E & R OF QUEENSTON ST

| WATER SERVICE INFORMATION    |                        |                               |                                  |                                     |
|------------------------------|------------------------|-------------------------------|----------------------------------|-------------------------------------|
| ADDRESS (STREET)             | SIZE(mm) & TYPE (PROP) | SIZE(mm) & TYPE (MEASUREMENT) | SHORT & LONG MEASUREMENT         | CORP. LOCATION                      |
| 401 QUEENSTON ST RESIDENTIAL | 20 COPPER LEAD         | 20 COPPER                     | 1.85 WEL HSE 9.62 WWL QUEENSTON  | OPP S/C SERVICED OFF GROSVENOR      |
| 402 QUEENSTON ST RESIDENTIAL | 20 COPPER LEAD         | 20 COPPER                     | 7.12 EWL HSE 17.47 EEL QUEENSTON | 0.2 W OF S/C SERVICED OFF GROSVENOR |
| 406 QUEENSTON ST RESIDENTIAL | 20 COPPER LEAD         | 20 COPPER                     | 1.70 SNL HSE 15.66 SSL GROSVENOR | 0.7 S OF S/C RECONNECT SERVICE      |
| 407 QUEENSTON ST RESIDENTIAL | 20 COPPER LEAD         | 20 COPPER                     | 0.58 SNL HSE 28.59 SSL GROSVENOR | OPP S/C RECONNECT SERVICE           |
| 408 QUEENSTON ST RESIDENTIAL | 20 COPPER LEAD         | 20 COPPER                     | 1.26 SNL HSE 39.99 SSL GROSVENOR | 0.7 S OF S/C RECONNECT SERVICE      |
| 411 QUEENSTON ST RESIDENTIAL | 20 COPPER LEAD         | 20 COPPER                     | 3.14 SNL HSE 39.99 SSL GROSVENOR | OPP S/C RECONNECT SERVICE           |
| 412 QUEENSTON ST RESIDENTIAL | 20 COPPER LEAD         | 20 COPPER                     | 0.21 SNL HSE 39.12 SSL GROSVENOR | 0.5 S OF S/C RECONNECT SERVICE      |
| 413 QUEENSTON ST RESIDENTIAL | 20 COPPER LEAD         | 20 COPPER                     | 2.98 SNL HSE 51.88 SSL GROSVENOR | 0.6 N OF S/C RECONNECT SERVICE      |
| 414 QUEENSTON ST RESIDENTIAL | 20 COPPER LEAD         | 20 COPPER                     | 51.56 SSL GROSVENOR              | 0.3 N OF S/C RECONNECT SERVICE      |
| 416 QUEENSTON ST RESIDENTIAL | 20 COPPER LEAD         | 20 COPPER                     | 1.45 SNL HSE 64.29 SSL GROSVENOR | 0.6 N OF S/C RECONNECT SERVICE      |
| 417 QUEENSTON ST RESIDENTIAL | 20 COPPER LEAD         | 20 COPPER                     | 3.95 SNL HSE 64.91 SSL GROSVENOR | OPP S/C RECONNECT SERVICE           |
| 418 QUEENSTON ST RESIDENTIAL | 20 COPPER LEAD         | 20 COPPER                     | 0.73 SNL HSE 75.67 SSL GROSVENOR | 0.7 N OF S/C RECONNECT SERVICE      |
| 421 QUEENSTON ST RESIDENTIAL | 20 COPPER LEAD         | 20 COPPER                     | 2.57 SNL HSE 75.67 SSL GROSVENOR | 0.2 S OF S/C RECONNECT SERVICE      |
| 422 QUEENSTON ST RESIDENTIAL | 20 COPPER LEAD         | 20 COPPER                     | 2.81 SNL HSE 78.25 SSL GROSVENOR | 0.6 N OF S/C RECONNECT SERVICE      |
| 423 QUEENSTON ST RESIDENTIAL | 20 COPPER LEAD         | 20 COPPER                     | 1.41 SNL HSE 92.92 SSL GROSVENOR | 0.2 N OF S/C RECONNECT SERVICE      |
| 424 QUEENSTON ST RESIDENTIAL | 20 COPPER LEAD         | 20 COPPER                     | 2.94 SNL HSE 92.22 SSL GROSVENOR | 0.1 N OF S/C RECONNECT SERVICE      |

\*SERVICES TO BE RENEWED TO R ALL OTHERS TO BE RECONNECTED



- CONSTRUCTION NOTES**
1. EXPOSE EXISTING WATERMAIN & CONFIRM INVERTS PRIOR TO CONSTRUCTION.
  2. LOCATION OF ALL SERVICES TO BE CONFIRMED IN THE FIELD.
  3. INSTALL WATERMAIN BY TRENCHLESS METHODS.
  4. TRENCHES AND EXCAVATIONS WITHIN 1 METRE OF A PAVED AREA INCLUDING SIDEWALKS SHALL BE CLASS 3 BACKFILL.
  5. ALL MATERIALS SHALL CONFORM TO THE CITY OF WINNIPEG STANDARD CONSTRUCTION SPECIFICATIONS.
  6. MINIMUM COVER TO TOP OF WATERMAIN SHALL BE 2.4 m.
  7. REPLACE ALL EXISTING LEAD SERVICES FROM PROPOSED WATERMAIN TO R.
  8. NOTIFY ALL AFFECTED RESIDENTS AND BUSINESSES 24 HOURS IN ADVANCE OF ANY WATER SHUTDOWNS OR DISRUPTION OF SERVICE.

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

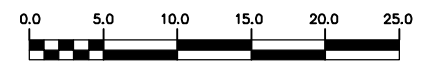
NOTE: ALL VALVES TO BE INSTALLED COUNTERCLOCKWISE TO CLOSE

**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          | +                     |
| o        | VALVE               | o        | TRAFFIC SIGNALS   | +              | VALVE            | +                     |
| 525 LDS  | LAND DRAINAGE SEWER | 525 LDS  | GAS               | 50 GAS         | 300 LDS          | LAND DRAINAGE SEWER   |
| 375 WWS  | WASTEWATER SEWER    | 375 WWS  | SURVEY BAR        | 250 WWS        | WASTEWATER SEWER | 250 WWS               |
| o        | MANHOLE             | o        | FENCE             | x              | o                | PROFILE               |
| □        | CATCH BASIN         | □        | POLE - HYDRO, MTS | =====          | □                | GROUND ABOVE PIPE     |
| ▽        | CURB INLET          | ▽        | CURB STOP         | ▲              | ⊖                | DITCH (NORTH & WEST)  |
| ∇        | REDUCER             | ∇        | GUY ANCHOR        | ⊖              | ⊖                | DITCH (SOUTH & EAST)  |
| X        | COUPLER             | X        | LIGHT STANDARD    | □              | □                | GUTTER (NORTH & EAST) |
| ⊖        | ANODE               | ⊖        | TREE              | ○              | ○                | GUTTER (SOUTH & EAST) |
| EXISTING | LEGEND-PLAN         | PROPOSED | EXISTING          | LEGEND-PLAN    | PROPOSED         | EXISTING              |
|          |                     |          |                   | LEGEND-PROFILE | PROPOSED         |                       |

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 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.

|               |              |
|---------------|--------------|
| B.M. ELEV.    | FIELD BOOK # |
| POSTED TO LBS |              |
| 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 06 02

ENGINEER'S SEAL

ORIGINAL MYLAR SIGNED BY S.R.J. COURNOYER 02/06/10

BID OPPORTUNITY 397-2010  
FILENAME: D-12043.dwg  
PLOT DATE: 2010 06 02

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

2010 WATERMAIN RENEWALS  
CONTRACT 6  
QUEENSTON STREET  
100 S OF GROSVENOR AVENUE TO  
GROSVENOR AVENUE

SHEET 10 OF 10  
CITY DRAWING NUMBER  
D-12043