



**SEWER JUNCTION INFORMATION\***

| REF. MH | DIST FROM REF. MH | SIZE | CLOCK AT |
|---------|-------------------|------|----------|
| 20812   | 2.2               | 100  | 1        |
| 20812   | 5.2               | 150  | 11       |
| 20812   | 16                | 150  | 1        |
| 20812   | 19.6              | 150  | 11       |
| 20812   | 25.9              | 150  | 11       |
| 20812   | 32.7              | 150  | 2        |
| 20812   | 43.4              | 150  | 1        |

\*JUNCTION INFORMATION FROM VIDEO 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

**APEGM**  
Certificate of Authorization  
UMA Engineering Ltd.  
No. 256 Expiry: April 30, 2006

BID OPPORTUNITY NO. 598-2005

**LOCATION APPROVED**  
UNDERGROUND STRUCTURES

SUPR. 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.

|                            |   |          |     |
|----------------------------|---|----------|-----|
| BM 28-003<br>ELEV 230.997m | Bolt in 4.6 m Conc. pile, 2.3 m S. of N.L. Chalmers Ave. produced from the W. & 1.5 m W. of W.L. Kent Rd. |          |     |
| 0                          | ISSUED FOR CONSTRUCTION   | 05/10/14 | KMB |
| NO.                        | REVISIONS   | YY/MM/DD | BY  |

UMA | AECOM

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|             |           |                           |                    |
|-------------|-----------|---------------------------|--------------------|
| DESIGNED BY | ALD / MJR | CHECKED BY                | <i>[Signature]</i> |
| DRAWN BY    | KMB       | APPROVED BY               | <i>[Signature]</i> |
| HOR. SCALE  | 1:500     | RELEASED FOR CONSTRUCTION | <i>[Signature]</i> |
| DATE        | 05/10/14  | DATE                      | Oct 14, 2005       |

PROFESSIONAL'S SEAL

PROVINCE OF MANITOBA  
REGISTERED PROFESSIONAL ENGINEER  
A. NAGY  
Oct 14, 2005

CONSULTANT DRAWING NO. 03  
D265-195-03

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

**2005 COMBINED SEWER RENEWALS**  
**BY EXTERNAL POINT REPAIRS AND REPLACEMENTS**  
**CONTRACT 17**  
**CHALMERS AVENUE**  
1ST MH E OF KENT ROAD  
TO MH AT KENT ROAD

|                     |       |    |    |
|---------------------|-------|----|----|
| SHEET               | 03    | OF | 21 |
| CITY DRAWING NUMBER | 05669 |    |    |
| REV                 | 0     |    |    |