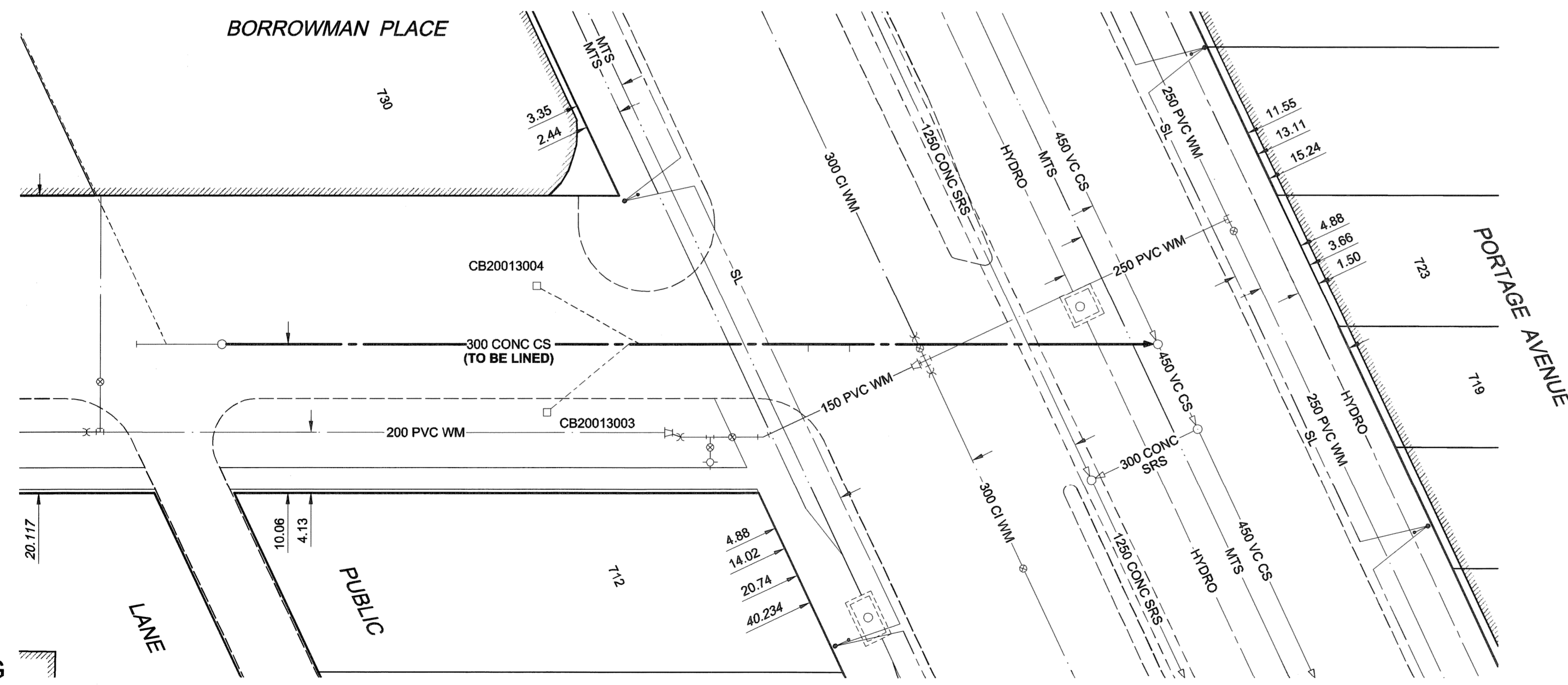
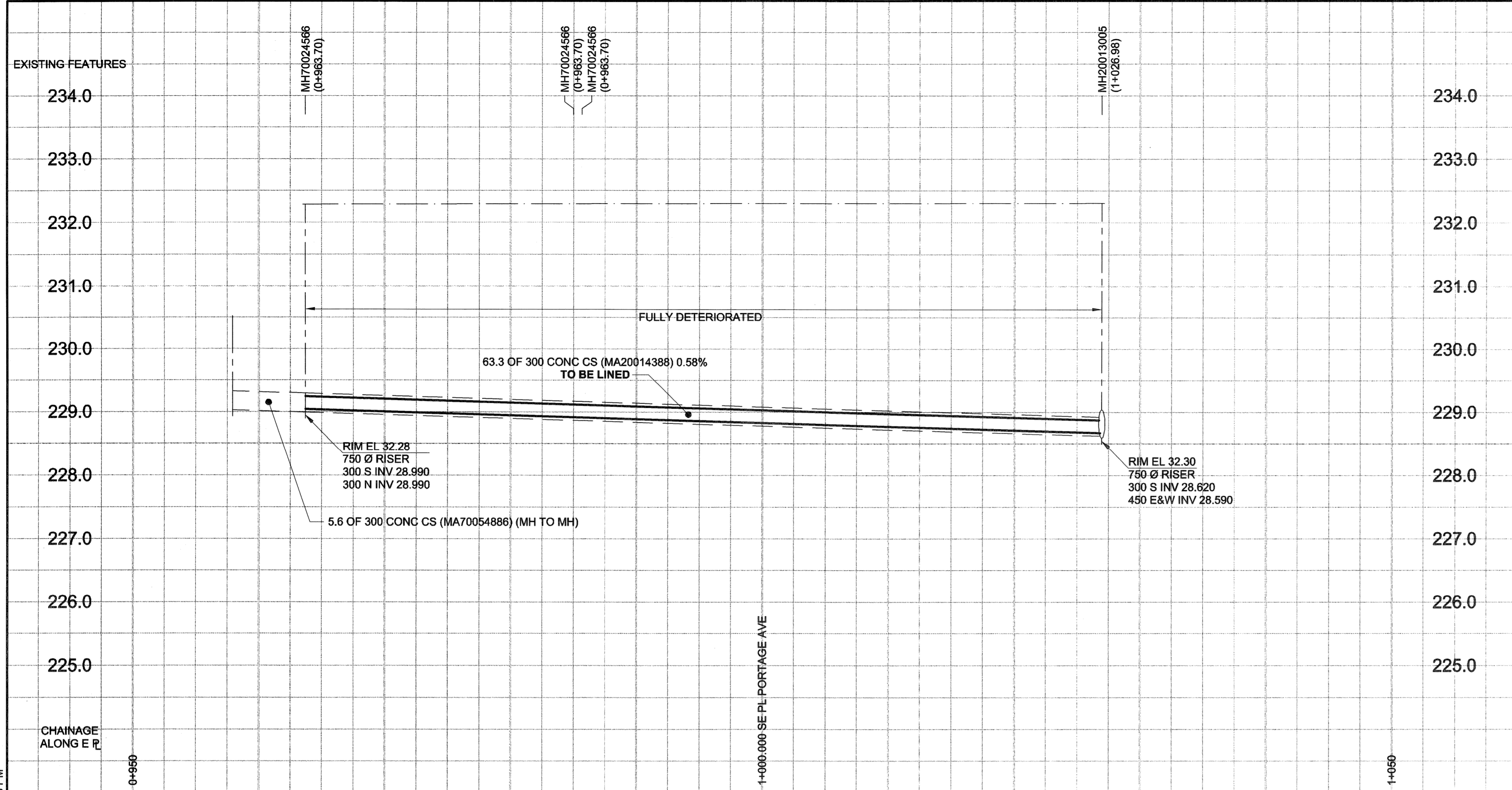


D SIZE 22" x 34" (559mm x 864mm)

PLOT: 06/07/07 4:36:43 PM

UMA REVIEW DRAFT CHK



**SEWER JUNCTION INFORMATION**

| REF. MH    | DIST FROM REF. MH | SIZE | CLOCK AT |
|------------|-------------------|------|----------|
| MH20013005 | 21.00             | 1000 | 10       |
| MH20013005 | 23.80             | 1000 | 10       |
| MH20013005 | 35.20             | 2500 | 02       |
| MH20013005 | 35.80             | 2500 | 10       |

\*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

**APECM**  
 Certificate of Authorization  
 UMA Engineering Ltd. (MB)  
 No. 256 Date: 08/07/08

BID OPPORTUNITY NO. 467-2008

| EXISTING | LEGEND - PLAN       | NEW     | EXISTING | LEGEND - PLAN       | NEW     | EXISTING            | LEGEND - PROFILE    | NEW     |
|----------|---------------------|---------|----------|---------------------|---------|---------------------|---------------------|---------|
| 150 WM   | WATERMAIN           | 150 WM  | 150 WM   | WATERMAIN           | 150 WM  | WATERMAIN           | WATERMAIN           | 150 WM  |
| 300 LDS  | LAND DRAINAGE SEWER | 300 LDS | 300 LDS  | LAND DRAINAGE SEWER | 300 LDS | LAND DRAINAGE SEWER | LAND DRAINAGE SEWER | 300 LDS |
| 250 WWS  | WASTE WATER SEWER   | 250 WWS | 250 WWS  | WASTE WATER SEWER   | 250 WWS | WASTE WATER SEWER   | WASTE WATER SEWER   | 250 WWS |
| ○        | MANHOLE             | ●       | ○        | MANHOLE             | ●       | MANHOLE             | MANHOLE             | ●       |
| □        | CATCH BASIN         | ■       | □        | CATCH BASIN         | ■       | CATCH BASIN         | CATCH BASIN         | ■       |
| △        | CURB INLET          | ▲       | △        | CURB INLET          | ▲       | CURB INLET          | CURB INLET          | ▲       |
| ▭        | CULVERT             | ▭       | ▭        | CULVERT             | ▭       | CULVERT             | CULVERT             | ▭       |
| —        | PIPE ABANDONMENTS   | —       | —        | PIPE ABANDONMENTS   | —       | PIPE ABANDONMENTS   | PIPE ABANDONMENTS   | —       |
| +        | SURVEY BAR          | +       | +        | SURVEY BAR          | +       | SURVEY BAR          | SURVEY BAR          | +       |
| ○        | HYDRANT             | ○       | ○        | HYDRANT             | ○       | HYDRANT             | HYDRANT             | ○       |
| +        | VALVE               | +       | +        | VALVE               | +       | VALVE               | VALVE               | +       |
| ○        | REDUCER             | ○       | ○        | REDUCER             | ○       | REDUCER             | REDUCER             | ○       |
| ○        | COUPLING            | ○       | ○        | COUPLING            | ○       | COUPLING            | COUPLING            | ○       |
| ○        | ANODE               | ○       | ○        | ANODE               | ○       | ANODE               | ANODE               | ○       |
| ○        | HYDRO               | ○       | ○        | HYDRO               | ○       | HYDRO               | HYDRO               | ○       |
| ○        | MTS                 | ○       | ○        | MTS                 | ○       | MTS                 | MTS                 | ○       |
| ○        | GAS                 | ○       | ○        | GAS                 | ○       | GAS                 | GAS                 | ○       |
| ○        | TESTHOLE            | ○       | ○        | TESTHOLE            | ○       | TESTHOLE            | TESTHOLE            | ○       |
| ○        | LAMP STANDARD       | ○       | ○        | LAMP STANDARD       | ○       | LAMP STANDARD       | LAMP STANDARD       | ○       |
| ○        | TREE                | ○       | ○        | TREE                | ○       | TREE                | TREE                | ○       |

**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.

UMA | AECOM

DESIGNED BY: ALD / MJR  
 CHECKED BY: [Signature]  
 DRAWN BY: KMB  
 APPROVED BY: [Signature]  
 HOR. SCALE: 1:250  
 VERT. SCALE: 1:50  
 DATE: 08/07/08  
 ISSUED FOR CONSTRUCTION: 08/07/08  
 REVISIONS: [Table]

PROFESSIONAL'S SEAL  
 PROVINCE OF MANITOBA  
 C. C. MACEY  
 REGISTERED ENGINEER  
 CONSULTANT DRAWING NO. 03  
 D265-228-01

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

2008 COMBINED SEWER RENEWALS  
 BY CIPP LINING  
 CONTRACT 15  
 BORROWMAN PLACE  
 106m N OF BROADWAY AVENUE  
 TO PORTAGE AVENUE

SHEET 3 OF 19  
 CITY DRAWING NUMBER  
**8582**  
 REV 0