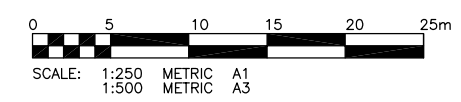


**WARNING**

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.

**METRIC**

WHOLE NUMBERS INDICATE MILLIMETRES  
 DECIMALIZED NUMBERS INDICATE METRES



**APEGM**  
 Certificate of Authorization  
 KGS Group  
 No. 245 Expiry: April 30, 2006

|       |                         |          |     |      |          |
|-------|-------------------------|----------|-----|------|----------|
| B.M.  | XX-XXX                  |          |     |      |          |
| ELEV. | XXX.XXX                 |          |     |      |          |
|       |                         |          |     |      |          |
|       |                         |          |     |      |          |
|       |                         |          |     |      |          |
|       |                         |          |     |      |          |
| 0     | ISSUED FOR CONSTRUCTION | 05/12/07 | CMS |      |          |
| NO.   | REVISIONS               | DATE     | BY  | DATE | 05/11/08 |

**KGS GROUP**  
 CONSULTING ENGINEERS & PROJECT MANAGERS  
 WINNIPEG (204) 896-1209  
 THUNDER BAY (807) 345-2233

DESIGNED BY: CMS  
 CHECKED BY: CMS  
 DRAWN BY: EDC  
 APPROVED BY:  
 SCALE: AS NOTED  
 RELEASED FOR CONSTRUCTION: DATE

ENGINEER'S SEAL  
 ORIGINAL DRAWING SIGNED BY:  
 C. SIEPMAN  
 05/12/07  
 CONSULTANT DRAWING NO.  
 05-0107-13-15

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

**HAWTHORNE FLOOD PUMPING STATION UPGRADE**

**STRUCTURAL-SUBSTRUCTURE REINFORCING DETAILS**

SHEET 15 OF 24  
 CAD FILE DRAWING NUMBER 05-0107-13-15  
 CITY DRAWING NUMBER LD-3252