



**NOTES**

1. RUN INCOMING POWER THROUGH CT'S. SEE CT FASTENING DIAGRAM IN INSTRUCTION MANUAL FOR DETAILS.
2. ENCLOSURE HEATER SHALL BE EQUIPPED WITH AN INTEGRAL THERMOSTAT AND SHALL MAINTAIN THE INTERNAL ENCLOSURE TEMPERATURE AT 10°C.

**LEGEND**

- WIRE NODE SYMBOL MAY HAVE TERMINAL BLOCK
- POWER TERMINAL
- CUSTOMER TERMINAL
- BENSHAW TERMINAL
- DEVICE TERMINAL
- PC BOARD TERMINALS
- TWISTED PAIR
- FIELD WIRING
- PANEL WIRING
- CONNECTOR
- SHIELDED WIRE

**CUSTOMER TERMINALS**


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

LOCATION APPROVED UNDERGROUND STRUCTURES

SUPPLY UTILITIES STRUCTURES COMMITTEE DATE

NOTE:  
 LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN 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.	NO.	REVISIONS	DATE	BY
	0	ISSUED FOR CONSTRUCTION	05/12/07	AP

**KGS GROUP**  
 CONSULTING ENGINEERS & PROJECT MANAGERS  
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DESIGNED BY: AP	CHECKED BY: REW
DRAWN BY: GCN	APPROVED BY:
HOR. SCALE: AS NOTED	RELEASED FOR CONSTRUCTION: DATE
VERTICAL: DATE 05/11/08	

ENGINEER'S SEAL  
 ORIGINAL DRAWING  
 SIGNED BY  
 A. PAWLKIEWICH  
 05/12/07  
 CONSULTANT DRAWING NO.  
 05-0107-13\_21

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

**Winnipeg**

HAWTHORNE FLOOD PUMPING STATION  
 UPGRADE  
 ELECTRICAL  
 FLOOD PUMP - FP-2  
 SCHEMATICS & WIRING DIAGRAM

SHEET 21	OF 24
CAD FILE DRAWING NUMBER 05-0107-13	
CITY DRAWING NUMBER LD-3258	

COWLEND