

WHERE K = 0.7, γ = 7.6 kN/m³, H = HT. OF FILL (m),

B = DRAWING WHERE SHOWN 1.FOUNDATIONS DESIGNED IN ACCORDANCE WITH RECOMENDATIONS CONTAINED IN THE JUNE 1, 2000, GEOTECHNICAL INVESTIGATION BY AGRA EARTH & ENVIROMENTAL.

1.6 kPa PLUS APPLICABLE NBC MODIFICATIONS

6.0 kPa ADDITIONAL CONSTRUCTION LOAD

 $P = (K, \gamma' + 9.8) H + LIVE LOAD$

12. DESIGN LOADS ARE AS NOTED BELOW:

FLOOR LIVE LOADS: HATCHES

SNOW LOAD

FOUNDATION WALL LOADS:

FLOOD PROTECTION: 232.770

LIVE LOAD LATERAL FORCE

300 YEAR FLOOD:

ROOF LOADS:

WIND LOAD: $q(\frac{1}{30})$

13. DESIGN FLOOD LEVELS:

CONCRETE BENCHING

APEGI

Certificate of Authorization

ND LEA Inc.

No. 2728 Expiry: April 30, 2007

These design documents are prepared solely t

there are no representations of any kind made

by the design professional to any party with

into a contract.

the use by the party with whom the design

AFTER GATE INSTALLATION

A = DETAIL/SECTION No.

C = DRAWING WHERE TAKEN

ALL OTHER AREAS 3.6 kPa

0.42 kPa

- 20° C FOR 3 DAYS AND NOT LESS THAN 5° C FOR AN ADDITIONAL 4 DAYS.
- 8. THREE CONCRETE TEST CYLINDERS AND ONE SLUMP/AIR TEST SHALL BE TAKEN EACH DAY THAT CONCRETE IS PLACED, AND SHALL BE REPEATED FOR EVERY 20 m3 OF CONCRETE PLACED EACH DAY UNLESS OTHERWISE DIRECTED BY THE
- 9. NOTIFY THE CONTRACT ADMINISTRATOR OR TESTING AGENCY 48 HOURS PRIOR TO PLACING CONCRETE.
- 1. LOCATION AND SEWER DETAILS ARE SHOWN ON DWG. No. LD-3382.
- 2. ALL ALUMINUM IN CONTACT WITH CONCRETE SHALL BE PAINTED WITH BITUMINOUS ISOLATION COATING AT THE ALUMINUM / CONCRETE INTERFACE.

METRIC WHOLE NUMBERS INDICATE MILLIMETRES DECIMALIZED NUMBERS INDICATE METRES

THE CITY OF WINNIPEG **R B LEA**^m WATER AND WASTE DEPARTMENT Suite 111-93 Lombard Avenue, Winnipeg, Manitoba R3B 3B1 Winnipeg Ph. 204-943-3178 Fax. 204-943-4948 CONSULTANT DRAWING NUMBER CHECKED DESIGNED 41721-02-S1 2006 OUTFALL GATE CHAMBER UPGRADES DRAWN APPROVED SHEET CRANE AVENUE 9 ` PROFESSION LDS OUTFALL GATE CHAMBER CITY DRAWING NUMBER CONSTRUCTION BID OPPORTUNITY 505-2006 **VERTICAL** CONCRETE DETAILS LD-3383 PLOT DATE: 06 07 27 NO. REVISIONS DATE DATE -

ENGINEER'S SEAI