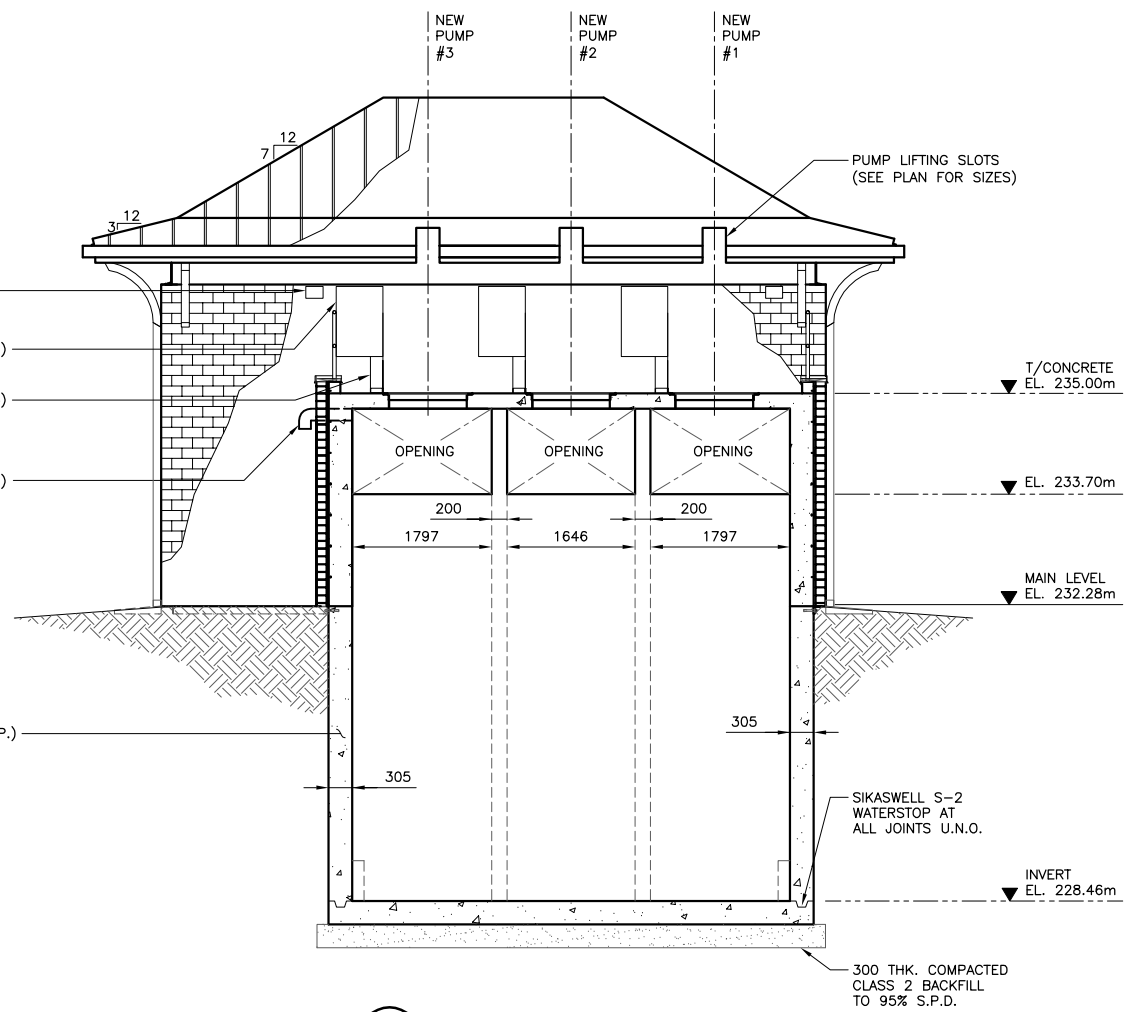


**C** DISCHARGE BOX SECTION  
S1 SCALE: 1:50

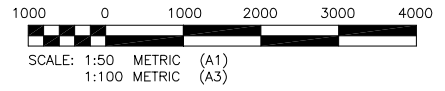


**D** DISCHARGE BOX SECTION  
S1 SCALE: 1:50

SEE DWG. LD-5079 FOR GENERAL NOTES.

**BUILDING CODE SUMMARY:**  
 BUILDING CLASSIFICATION: GROUP F2 MEDIUM HAZARD INDUSTRIAL OCCUPANCY  
 BUILDING AREA: 43.6 SQUARE METRES  
 OCCUPANT LOAD: 0 PERSONS (INTERMITTENTLY OCCUPIED BY SERVICE PERSONEL ONLY)  
 FIRE RATING: NONE REQUIRED (NBC TABLE 9.10.14.5)  
 EXITS: ONE EXIT PERMITTED (NBC 9.9.7.4)

**DESIGN LOADS:**  
 LIVELOADS: STAIRS - 4.8 KPa  
 HATCHES - 3.6 KPa  
 FLOORS - 4.8 KPa  
 ROOF LOADS: SNOW - 1.7 KPa  
 WIND LOADS:  $q(1 \text{ IN } 30) = 0.42 \text{ KPa}$   
 EARTH LOADS:  $P_o = K_o (\lambda \times H + q_s) + u$   
 $K_o = 0.7$   
 $\lambda = 21 \text{ KN/m}^3$   
 $q_s = \text{SURCHARGE}$   
 $u = \text{NET POREWATER}$



**METRIC**  
 WHOLE NUMBERS INDICATE MILLIMETRES  
 DECIMALIZED NUMBERS INDICATE METRES

B.M. XX-XXX ELEV. XXX.XXX			
0 ISSUED FOR CONSTRUCTION	08/09/23	CMS	
NO. REVISIONS	DATE	BY	DATE

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

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

ENGINEER'S SEAL  
 ORIGINAL DRAWING SIGNED BY:  
 C.M. SIEPMAN  
 08/09/23  
 YY/MM/DD  
 CONSULTANT DRAWING NO.  
 08-0107-03-S3

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

**RAVELSTON LAND DRAINAGE PUMPING STATION UPGRADE**

**STRUCTURAL DISCHARGE BOX SECTIONS**

SHEET 03 OF 11  
 CAD FILE DRAWING NUMBER 08-0107-03-01  
 CITY DRAWING NUMBER LD-5078

**APEGM**  
 Certificate of Authorization  
 KGS Group  
 No. 245 Date: 2008-09-23

COWLEND