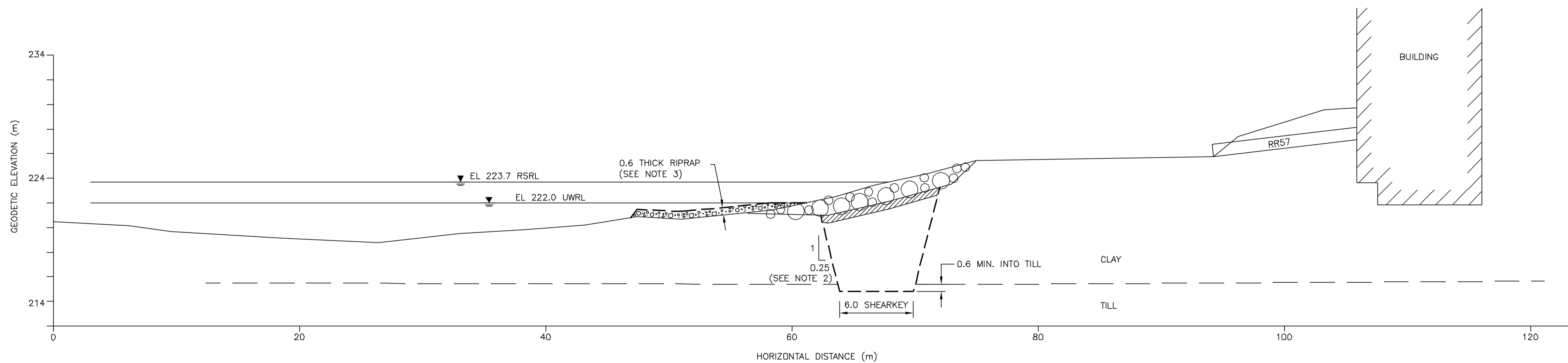
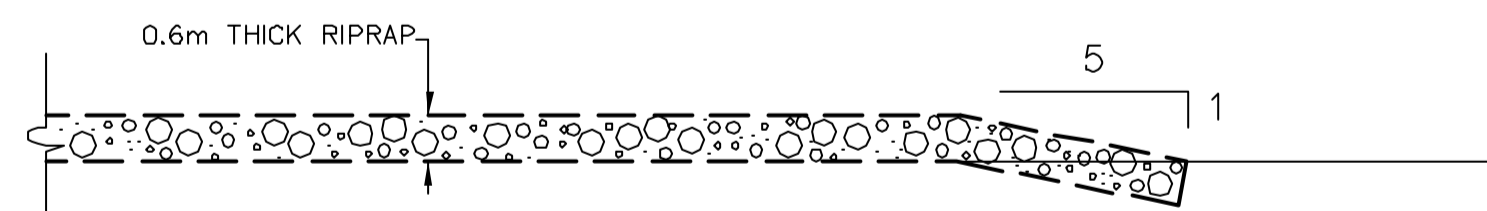


**A** SECTION  
01



**B** SECTION  
01



**SECTION C-C**  
SCALE: 1:100

**LEGEND**

- RSRL REGULATED SUMMER RIVER LEVEL
- UWRL UNREGULATED WINTER RIVER LEVEL

**NOTES:**

1. TOPOGRAPHIC BANK PROFILES BASED ON KGS GROUP SURVEYS AND SOUNDINGS IN MAY 2003.
2. EXCAVATION SIDE WALLS SHALL BE KEPT AS VERTICAL AS SITE CONDITIONS DICTATE.
3. RIPRAP ABOVE THE WINTER ICE ELEVATION SHALL BE SUB-CUT INTO THE BANK AND PLACED FLUSH WITH ORIGINAL GROUND SURFACE. ALL EXCAVATED MATERIAL SHALL BE REMOVED OFF SITE.
4. ELEVATIONS FOLLOWED BY (AB) ARE ELEVATIONS ESTABLISHED FROM THE CITY OF WINNIPEG RECORD DRAWINGS. THESE ELEVATIONS SHOULD BE VERIFIED IN THE FIELD BEFORE CONSTRUCTION. ALL OTHER ELEVATIONS HAVE BEEN CONFIRMED BY KGS.

**WARNING**

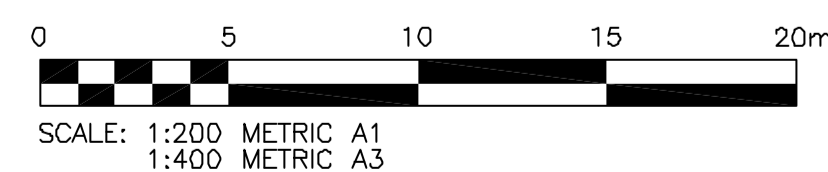
IF POWER EQUIPMENT OR EXPLOSIVES ARE TO BE USED FOR EXCAVATION ON THIS PROJECT THE CONTRACTOR MUST:  
 1) NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.  
 2) TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.  
 SEE PROVINCIAL REGULATION 210/72 FOR DETAILS.



Certificate of Authorization  
**KGS Group**  
 No. 245 Expiry: April 30, 2004

**METRIC**

WHOLE NUMBERS INDICATE MILLIMETRES  
 DECIMALIZED NUMBERS INDICATE METRES



LOCATION APPROVED  
 UNDERGROUND STRUCTURES

B.M. 34-014  
 ELEV. 231.543

SUPV. U/G STRUCTURES  
 COMMITTEE DATE

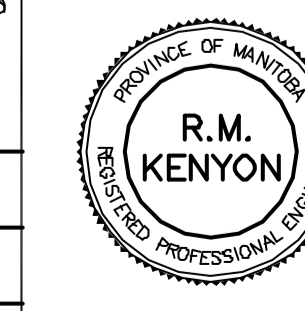
NOTE:  
 LOCATION OF UNDERGROUND STRUCTURES AS SHOWN ARE BASED ON THE BEST INFORMATION AVAILABLE BUT NO GUARANTEE IS GIVEN THAT ALL EXISTING UTILITIES ARE SHOWN OR THAT THE GIVEN LOCATIONS ARE EXACT. CONFIRMATION OF EXISTENCE AND EXACT LOCATION OF ALL SERVICES MUST BE OBTAINED FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

NO.	REVISIONS	DATE	BY
1	ADDENDUM 1	15/01/04	RMK
0	ISSUED FOR TENDER	06/01/04	RMK
A	ISSUED FOR REVIEW	22/12/03	RMK

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

DESIGNED BY	D.A.	CHECKED BY	R.Ke.
DRAWN BY	D.W./A.M.	APPROVED BY	
HOR. SCALE:	1:200	RELEASED FOR CONSTRUCTION:	
VERTICAL:	1:200	DATE	DECEMBER 2003

ENGINEER'S SEAL



CONSULTANT DRAWING NO.  
 03-0107-05\_02



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

DUMOULIN OUTFALL  
 RIVERBANK STABILITY IMPROVEMENTS

**SECTIONS A, B AND C**

SHEET	02	OF	07
CAD FILE DRAWING NUMBER	03-0107-05.100-02rev1		
CITY DRAWING NUMBER	LD-2984		