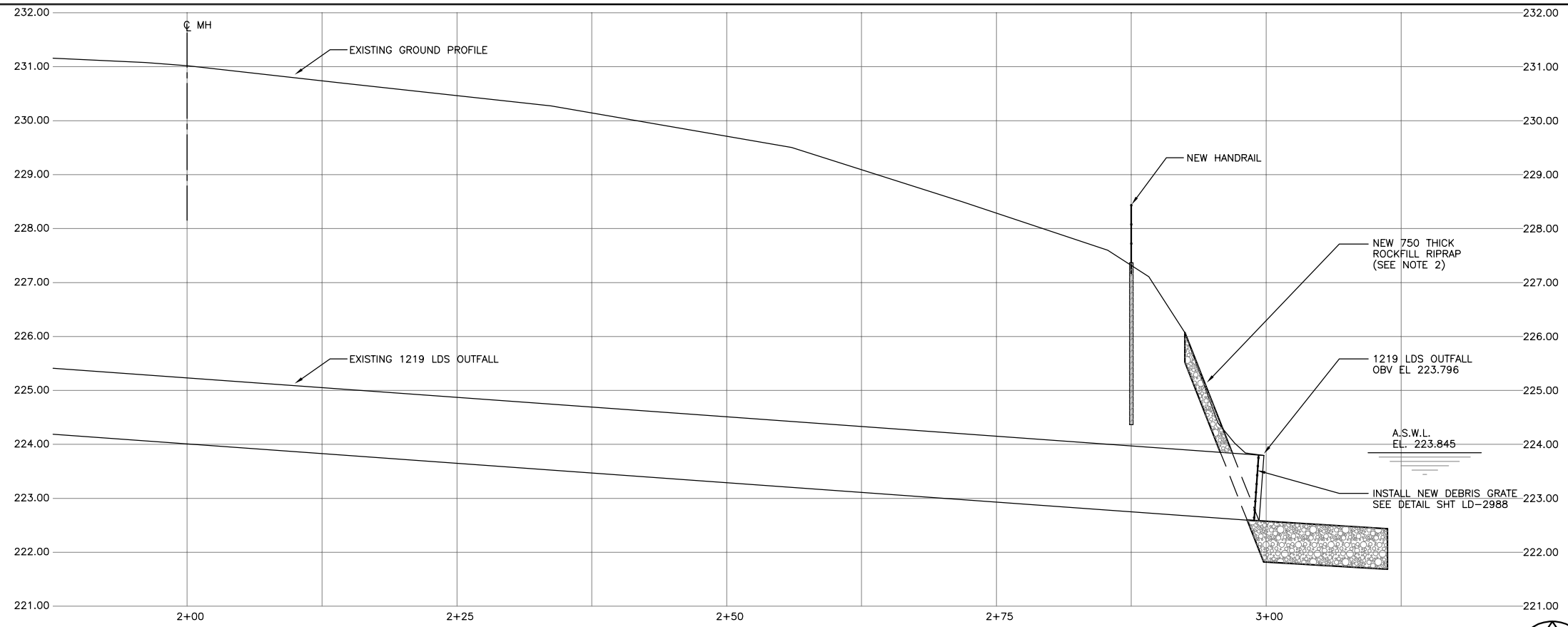
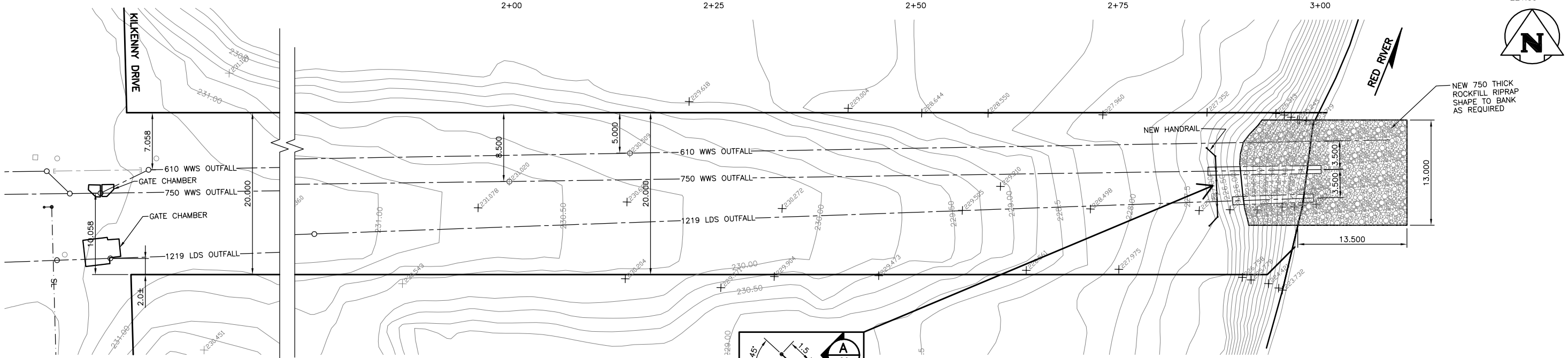
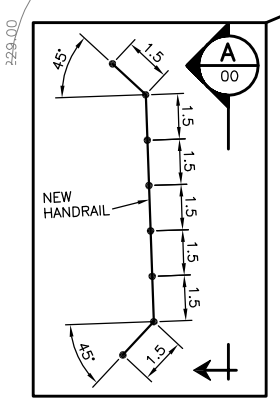




RADCLIFFE OUTFALL RR-10



NOTES:

1. ELEVATIONS FOLLOWED BY (AB) ARE ELEVATIONS ESTABLISHED FROM THE CITY OF WINNIPEG RECORD DRAWINGS. THESE ELEVATIONS SHOULD BE VARIFIED IN THE FIELD BEFORE CONSTRUCTION. ALL OTHER ELEVATIONS HAVE BEEN CONFIRMED BY KGS.
2. 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.

0 5 10 15 20 25m

SCALE: 1:250 METRIC A1
1:500 METRIC A3

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, 2004

COW LEGEND

EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PROFILE	PROPOSED
150 WM	WATERMAIN	150 WM		HYDRO				
	HYDRANT			M.T.S.				
	VALVE			PROPERTY LINE				
300 LDS	LAND DRAINAGE SEWER	300 LDS		SURVEY BAR				
250 WWS	WASTE WATER SEWER	250 WWS		LIGHT STANDARD				
	MANHOLE			HYDRO POLE				
	CATCH BASIN			GUY WIRE				
	CURB INLET			SIGN				
	JUNCTIONS			BUSH LINE				
	CULVERT			FENCE				
	GAS		231.334	ELEVATION	32.231			

LOCATION APPROVED
UNDERGROUND STRUCTURES

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.

B.M. 77-034
ELEV. 232.036

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

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

DESIGNED BY D.G.G.	CHECKED BY R.J.H.
DRAWN BY D.W.\A.M.	APPROVED BY
HOR. SCALE: 1:250 VERTICAL: 1:50	RELEASED FOR CONSTRUCTION:
DATE DECEMBER 2003	DATE

ENGINEER'S SEAL
PROVINCE OF MANITOBA
D.G. GRAHAME
Member 22380
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NO.
03-0107-05_04

Winnipeg
THE CITY OF WINNIPEG
WATER & WASTE DEPARTMENT

OUTFALL REPAIRS
RADCLIFFE ROAD OUTFALL (RR-10)

SHEET 04 OF 07
CAD FILE DRAWING NUMBER 03-0107-05-RADCLIFFE_rev0
CITY DRAWING NUMBER LD-2986