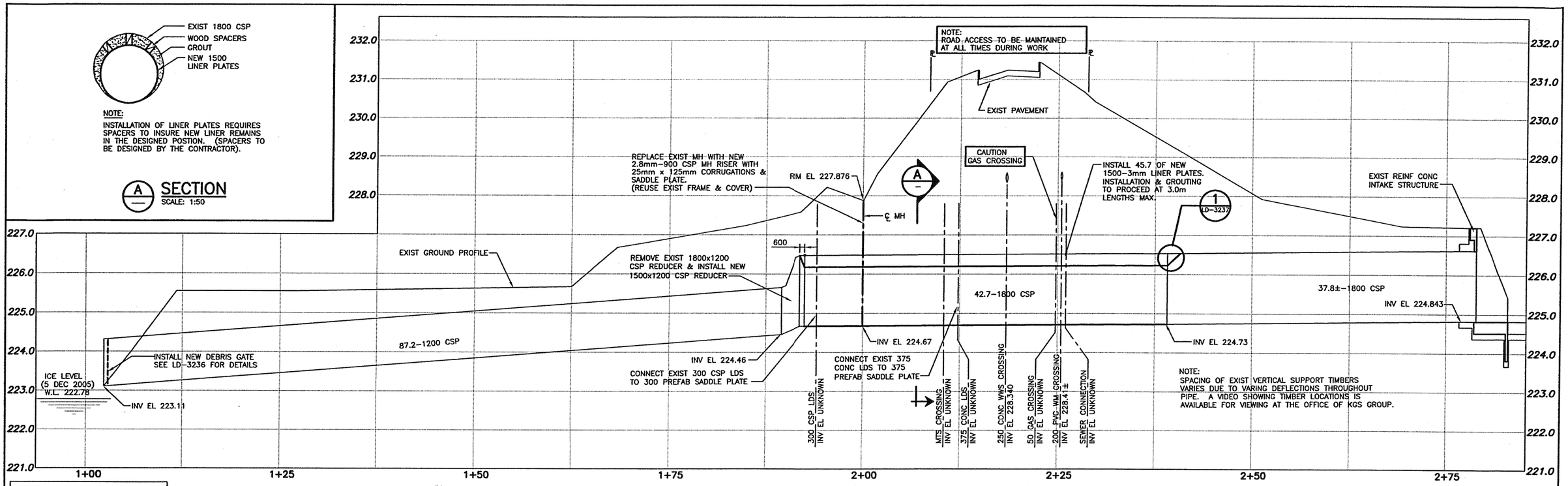
NOTE:
INSTALLATION OF LINER PLATES REQUIRES SPACERS TO INSURE NEW LINER REMAINS IN THE DESIGNED POSTION. (SPACERS TO BE DESIGNED BY THE CONTRACTOR).

A — SECTION
SCALE: 1:50

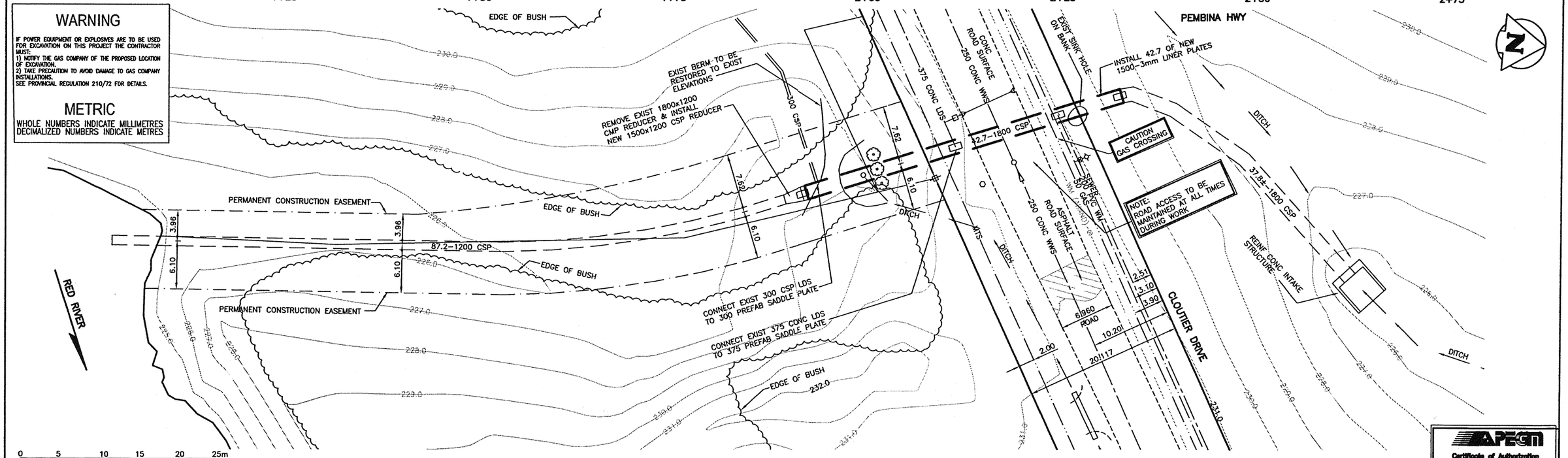


WARNING

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



CLOUTIER DRIVE OUTFALL RR-7

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)				
EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	EXISTING	LEGEND-PLAN	PROPOSED	

COWLEGEND

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. 82-008
ELEV. 232.662m
S.E. COR. PEMBINA HWY. & CLOUTIER DR., TINT IN N. CONC. FOUNDATION OF NO. 816 CLOUTIER DR., MARINA DEL REY APTS., 2.0m N. & 1.4m BELOW BRICK OF S.W. COR. OF BLDG.

NO.	REVISIONS	DATE	BY
0	ISSUED FOR TENDER	08/12/05	RJH
A	ISSUED FOR REVIEW	25/11/05	RJH

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

DESIGNED BY RJH | CHECKED BY RJH
DRAWN BY DMW | APPROVED BY
HOR. SCALE: 1:250 VERTICAL: 1:50 | RELEASED FOR CONSTRUCTION:
DATE 12/09/05 | DATE

ENGINEER'S SEAL
PROVINCE OF MANITOBA
R.J. HOUSTON
Member 4395
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NO.
05-0107-11_04

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

Winnipeg
THE CITY OF WINNIPEG
WATER & WASTE DEPARTMENT

OUTFALL REPAIRS

CLOUTIER DRIVE OUTFALL (RR-7)

SHEET 04 OF 10
CAD FILE DRAWING NUMBER 05-0107-11
CITY DRAWING NUMBER LD-3231