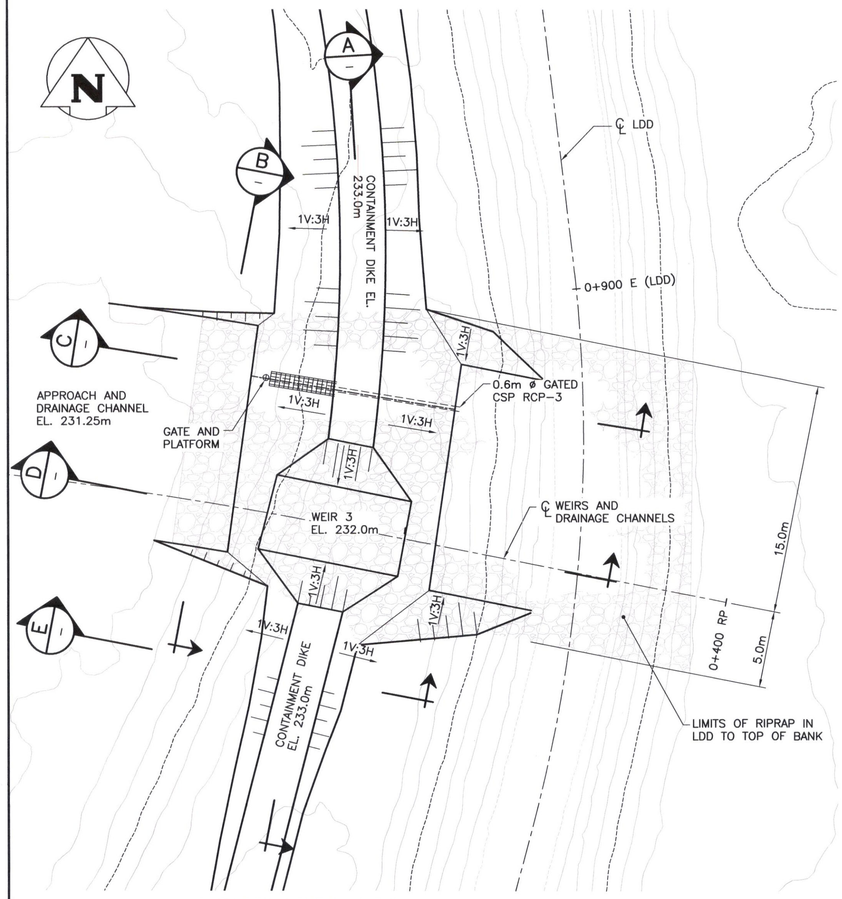
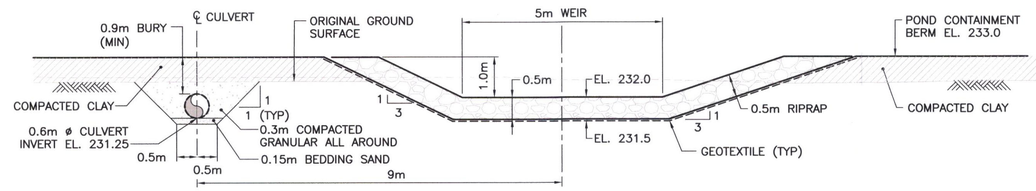
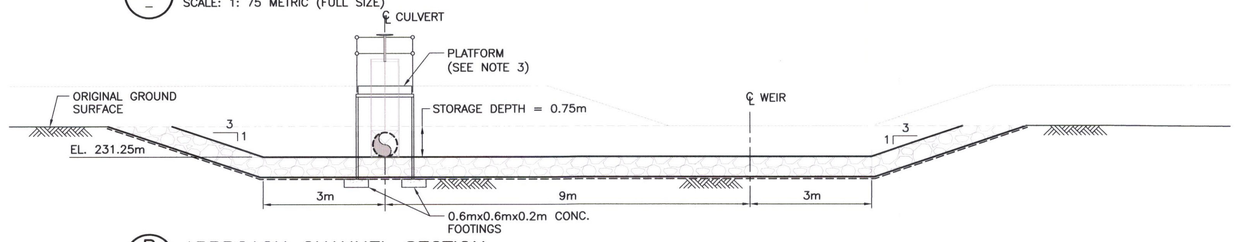


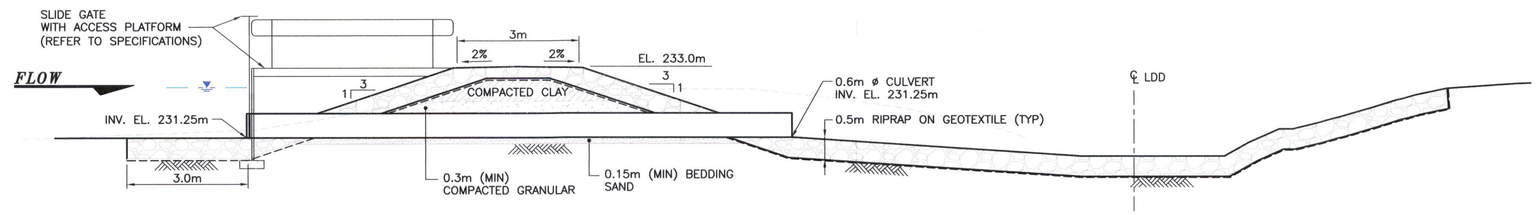
TYPICAL WEIR PLAN (FOR ALL 3 OPTIONS)
SCALE: 1:200 METRIC (FULL SIZE)



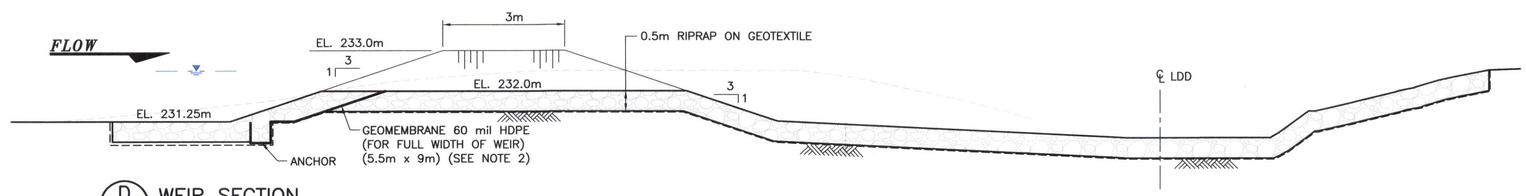
A WEIR SECTION
SCALE: 1: 75 METRIC (FULL SIZE)



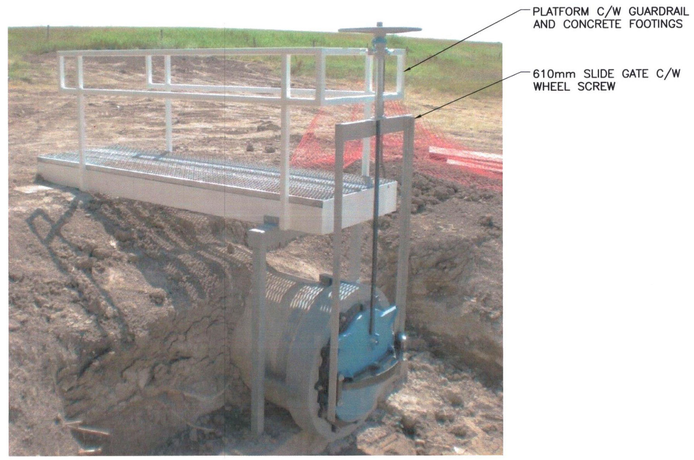
B APPROACH CHANNEL SECTION
SCALE: 1: 75 METRIC (FULL SIZE)



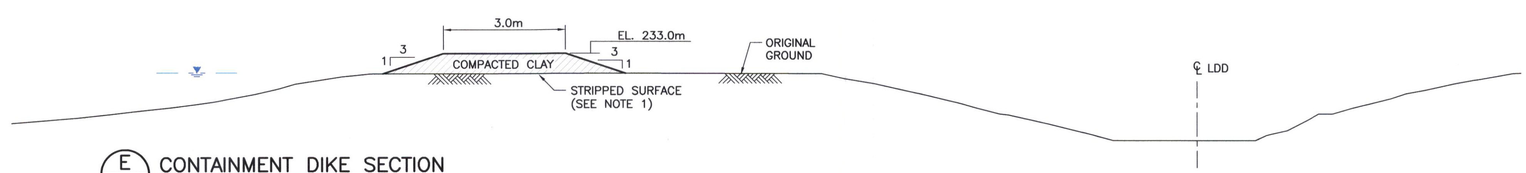
C GATED PIPE DRAIN SECTION
SCALE: 1: 75 METRIC (FULL SIZE)



D WEIR SECTION
SCALE: 1: 75 METRIC (FULL SIZE)



TYPICAL WEIR SECTIONS (FOR ALL 3 OPTIONS)



E CONTAINMENT DIKE SECTION
SCALE: 1: 75 METRIC (FULL SIZE)

NOTE:

1. DIKE FOUNDATION SHALL BE STRIPPED OF ORGANICS AND OTHER UNSUITABLE MATERIALS AND PROOF ROLLED PRIOR TO FILL PLACEMENT AS APPROVED BY THE CONTRACT ADMINISTRATOR.
2. GEOMEMBRANE SHALL BE PROTECTED ON TOP AND BOTTOM WITH GEOTEXTILE AND PLACED ON RIPRAP FACE WHICH HAS BEEN PREPARED BY FINISHING WITH FINER ROCKFILL AND BLADED SMOOTH AS ACCEPTED BY CONTRACT ADMINISTRATOR.
3. SHOP DRAWING OF PLATFORM WITH GATE OPERATION SHALL BE SUBMITTED TO THE CITY OF WINNIPEG FOR APPROVAL PRIOR TO INSTALLATION.

PLAN
5 0 5 10 15m
SCALE: 1:200 METRIC (FULL SIZE)

DETAILS
2.5 0 2.5 5m
SCALE: 1:75 METRIC (FULL SIZE)

APEGM
Certificate of Authorization
KGS Group
No. 245

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. XX–XXX
ELEV. XXX.XXX

NO.	REVISIONS	DATE	BY
0	BID OPPORTUNITY AND CONSTRUCTION	04/05/15	TK

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

DESIGNED BY	jS	CHECKED BY	RDS
DRAWN BY	MO	APPROVED BY	TK
HOR. SCALE:	AS NOTED	RELEASED FOR CONSTRUCTION:	
VERTICAL:	AS NOTED		
DATE	03/03/15	DATE	

ENGINEER'S SEAL
PROVINCE OF MANITOBA
A. J. KULUK
May 6, 2015
REGISTERED ENGINEER

CONSULTANT DRAWING NO.
13–0107–015–DWG06

THE CITY OF WINNIPEG
WATER & WASTE DEPARTMENT

BRADY LANDFILL–
SURFACE WATER MANAGEMENT–PHASE 2
DRY POND WIER AND DRAIN PIPE SECTIONS AND DETAILS

SHEET 06 OF 06
CAD FILE DRAWING NUMBER
CITY DRAWING NUMBER
SWD–D–454