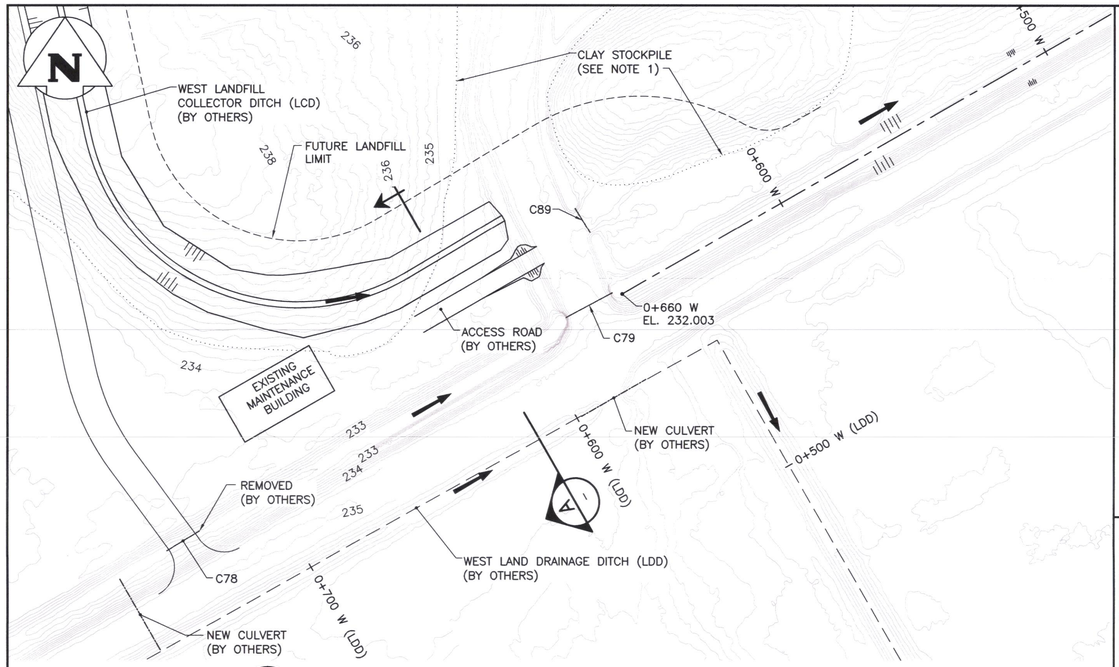
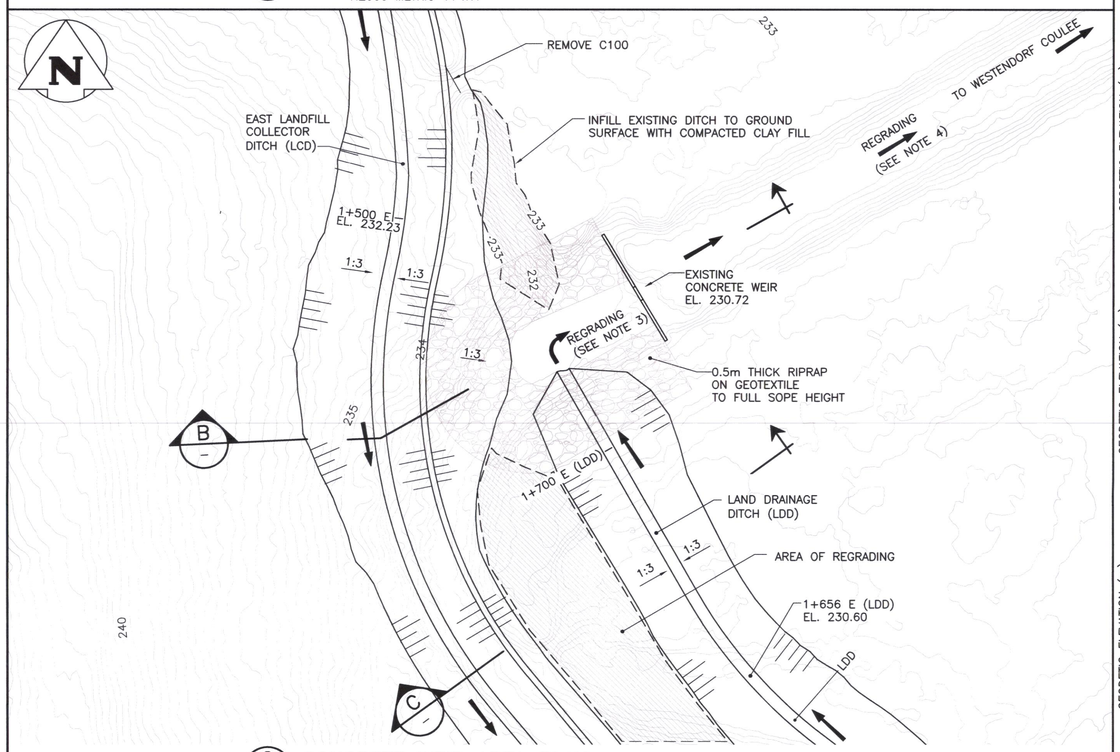
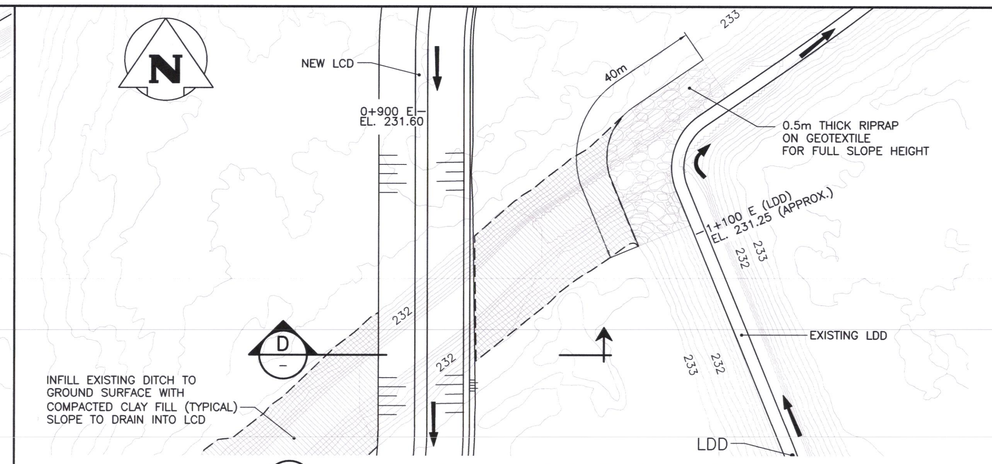


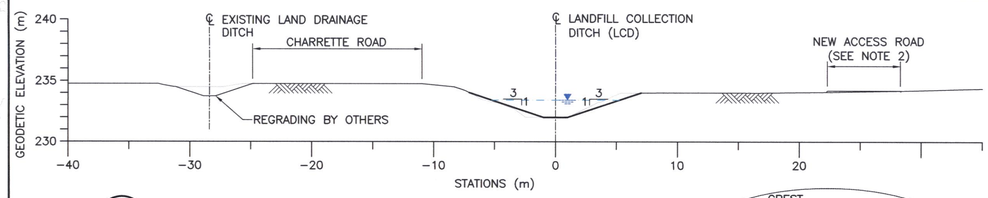
1 G02 MAINTENANCE BUILDING AREA PLAN
SCALE: 1:1000 METRIC 24"x36"
1:2000 METRIC 11"x17"



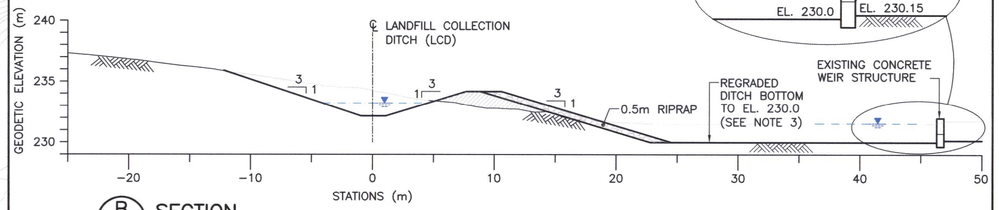
2 G02 CONCRETE WEIR AREA PLAN
SCALE: 1:500 METRIC 24"x36"
1:1000 METRIC 11"x17"



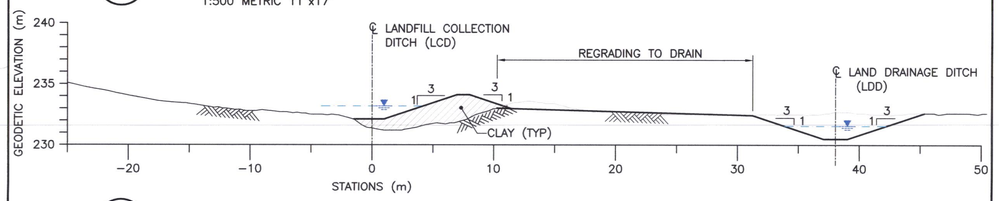
3 G02 NEW LCD CROSSING EXISTING DITCH AREA PLAN
SCALE: 1:500 METRIC 24"x36"
1:1000 METRIC 11"x17"



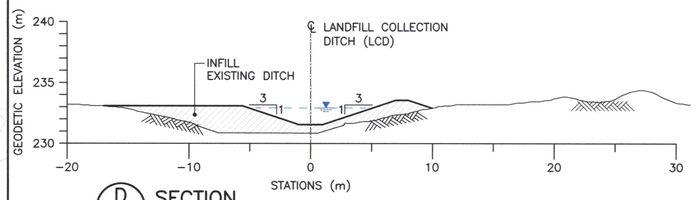
A SECTION
SCALE: 1:250 METRIC 24"x36"
1:500 METRIC 11"x17"



B SECTION
SCALE: 1:250 METRIC 24"x36"
1:500 METRIC 11"x17"



C SECTION
SCALE: 1:250 METRIC 24"x36"
1:500 METRIC 11"x17"



D SECTION
SCALE: 1:250 METRIC 24"x36"
1:500 METRIC 11"x17"

LEGEND:

- 1:25 YEAR DESIGN WATER LEVEL
- DIRECTION OF DRAINAGE

NOTES:

1. DEPENDING ON CONSTRUCTION TIMING TOP SOIL STOCKPILES MAY STILL BE IN PLACE ALONG NORTH PORTION OF LANDFILL COLLECTOR DITCH.
2. NEW SERVICE AND ACCESS ROAD WIDTH FILL TYPE AND ROAD TOPPING TO BE DETERMINED BY CITY OF WINNIPEG.
3. REGRADE PONDED AREA UPSTREAM OF WEIR TO EL 230.0.
4. REGRADING DOWNSTREAM OF WEIR TO WESTENDORF COULEE AND EROSION PROTECTION SHALL BE BY OTHERS AS REQUIRED AND DETERMINED ON SITE.

PLANS
10 0 10 20 30 40m
SCALE: 1:500 METRIC 24"x36"
1:1000 METRIC 11"x17"

20 0 20 40 60 80m
SCALE: 1:1000 METRIC 24"x36"
1:2000 METRIC 11"x17"

DETAILS
5 0 5 10 15 20m
SCALE: 1:250 METRIC 24"x36"
1:500 METRIC 11"x17"

APEGM
Certificate of Authorization
KGS Group
No. 245

COWLEGEND

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	21/03/14	

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

DESIGNED BY	jS	CHECKED BY	TK
DRAWN BY	PwD	APPROVED BY	RDS
HOR. SCALE:	AS NOTED	RELEASED FOR CONSTRUCTION:	
VERTICAL:	AS NOTED		
DATE	01/08/13	DATE	

ENGINEER'S SEAL
PROVINCE OF MANITOBA
R.D. SINCLAIR
REGISTERED PROFESSIONAL ENGINEER

CONSULTANT DRAWING NO.
13–0107–015_DWG 09

THE CITY OF WINNIPEG
WATER & WASTE DEPARTMENT

BRADY LANDFILL–
SURFACE WATER MANAGEMENT
DITCH DETAILS, PLANS AND SECTIONS

SHEET 10 OF 12
CAD FILE DRAWING NUMBER
CITY DRAWING NUMBER
SWD–D–425