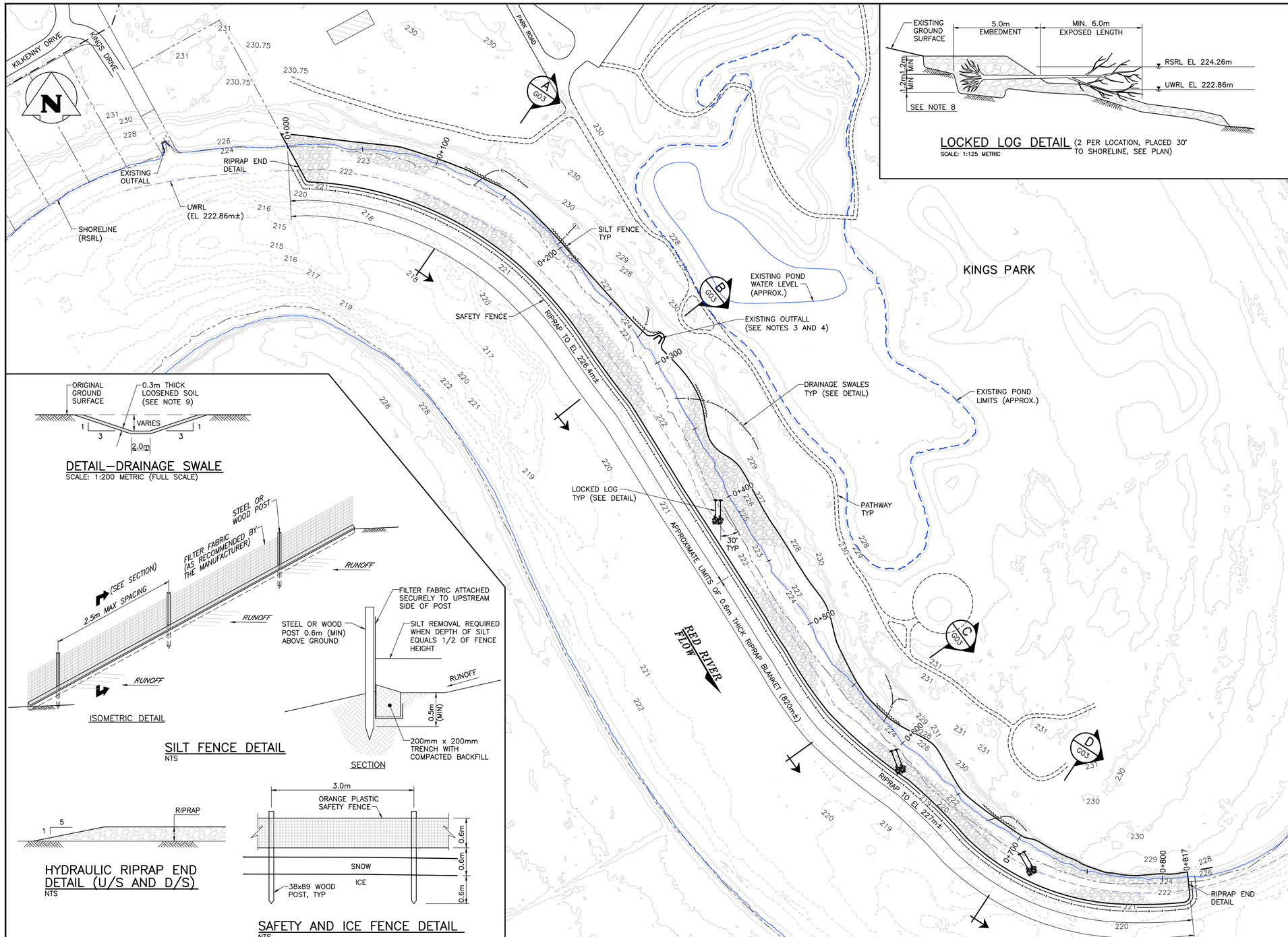

LOCKED LOG DETAIL (2 PER LOCATION, PLACED 30° TO SHORELINE, SEE PLAN)

SCALE: 1:125 METRIC

DETAIL–DRAINAGE SWALE

SCALE: 1:200 METRIC (FULL SCALE)

SILT FENCE DETAIL

NTS

HYDRAULIC RIPRAP END DETAIL (U/S AND D/S)

NTS

SAFETY AND ICE FENCE DETAIL

NTS

LEGEND:

- DRAINAGE SWALE
- PROPERTY LINE
- SILT FENCE
- RSRL — REGULATED SUMMER RIVER LEVEL (EL 224.26m)
- UWRL — UNREGULATED WINTER RIVER LEVEL (EL 222.86m)

NOTES:

1. STATIONING SYSTEM SHALL BE ESTABLISHED ALONG REGULATED SUMMER RIVER LEVEL (RSRL).
2. CONTRACTOR SHALL ENSURE PROTECTION OF TREES. ONLY TREES APPROVED TO BE REMOVED BY THE CONTRACT ADMINISTRATOR SHALL BE REMOVED.
3. HEAVY EQUIPMENT TRAFFIC IS NOT PERMITTED OVER EXISTING OUTFALL PIPE.
4. RIPRAP TO BE PLACED AROUND OUTFALL PIPE AS APPROVED BY THE CONTRACT ADMINISTRATOR.
5. LIMITS OF SILT FENCE SHOWN ARE APPROXIMATE. THE CONTRACTOR SHALL INSTALL SILT FENCING TO EXTEND A MINIMUM OF 10m EITHER SIDE OF THE PLANNED EXCAVATION AREA AND IN ACCORDANCE WITH THE SPECIFICATIONS. SILT FENCE SHALL BE INSTALLED PRIOR TO COMMENCING ANY CLEARING, GRUBBING OR EXCAVATION ACTIVITIES, AND SHALL REMAIN IN PLACE UNTIL THE DISTURBED AREA HAS BEEN BACKFILLED AND IMMEDIATELY PRIOR TO RIPRAP PLACEMENT.
6. LOCATIONS OF SILT FENCE SHALL INCLUDE BUT ARE NOT LIMITED TO SITE ACCESS RAMPS AND DRAINAGE SWALE OUTLETS, OR AS APPROVED BY THE CONTRACT ADMINISTRATOR.
7. THE CONTRACTOR SHALL INSTALL SNOW FENCE AND SIGNAGE AROUND THE PERIMETER OF THE CONSTRUCTION AREA, AS PER THE TENDER SPECIFICATIONS AND AS APPROVED BY THE CONTRACT ADMINISTRATOR.
8. LOCKED LOGS SHALL BE EMBEDDED INTO THE RIVERBED A MINIMUM OF 1.2m. PLACEMENT OF RIPRAP AROUND LOCKED LOG SHALL BE PERFORMED TO ENSURE A SMOOTH HYDRAULIC TRANSITION TO THE ADJACENT RIPRAP BLANKET AS APPROVED BY THE CONTRACT ADMINISTRATOR.
9. CONTRACTOR TO PREPARE DRAINAGE SWALES AND RIVER ACCESS RAMPS WITH 0.3m OF LOOSENED SOIL AS PER THE SPECIFICATIONS.

PROPERTY LIMITS DELINEATION

DELINEATION OF PROPERTY LIMITS AS SHOWN ON THIS DWG DOES NOT REPRESENT A "LEGAL SURVEY". KGS GROUP MAKES NO REPRESENTATION OR WARRANTY AS TO THE ACCURACY OF PROPERTY LIMITS DELINEATED ON THIS DRAWING NOR ON THE DIMENSIONAL ACCURACY OF DRAWING FEATURES RELATIVE TO THOSE PROPERTY LIMITS.

UTILITIES/UNDERGROUND STRUCTURES

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 BY THE CONTRACTOR FROM THE INDIVIDUAL UTILITIES BEFORE PROCEEDING WITH CONSTRUCTION.

WARNING

NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.

TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.

SEE PROVINCIAL REGULATION 210/72 FOR DETAILS.

25 0 25 50 75 100m

SCALE: 1:1250 METRIC (FULL SIZE)

APEGM Certificate of Authorization KGS Group No. 245

EXISTING	LEGEND–PLAN	PROPOSED	EXISTING	LEGEND–PLAN	PROPOSED	EXISTING	LEGEND–PROFILE	PROPOSED
150 WM	WATERMAIN	150 WM		HYDRO		230	LIDAR CONTOUR (CITY OF WPG., OCT. 2011)	
	HYDRANT			M.T.S.		220	BATHYMETRY CONTOUR (KGS GROUP, JULY 2013)	
	VALVE			PROPERTY LINE			EXISTING BUILDING	
300 LDS	LAND DRAINAGE SEWER	300 LDS		SURVEY BAR			TREE	
250 WWS	WASTE WATER SEWER	250 WWS		LIGHT STANDARD			TIMBER PILE	
	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. ELEV.

NO.	REVISIONS	DATE	BY
00	ISSUED FOR TENDER	14/12/08	

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

DESIGNED BY	SGB	CHECKED BY	jS
DRAWN BY	ESm	APPROVED BY	RKe
HOR. SCALE: / VERTICAL:	AS NOTED / –	RELEASED FOR CONSTRUCTION:	
DATE	NOVEMBER 2014	DATE	

ENGINEER'S SEAL

THE ORIGINAL ISSUE REV. 0 WAS STAMPED, DATED AND SIGNED BY: R.M. KENYON, P.ENG ON 2014/12/08

CONSULTANT DRAWING NO. 14–0107–035_G02

Winnipeg

THE CITY OF WINNIPEG
PLANNING, PROPERTY AND DEVELOPMENT DEPARTMENT

KINGS PARK

RIVERBANK EROSION PROTECTION WORKS
GENERAL ARRANGEMENT OF WORKS
PLAN AND DETAILS

SHEET 03 OF 05

CAD FILE DRAWING NUMBER 14–0107–035_G02

CITY DRAWING NUMBER PPD–WAT–1144–2014–G02

FileName: U:\PWS\14-0107-035\14-0107-035_G02.dwg – Tab: G02 Plotted By: emiguel 14/12/08 [Mon 2:27pm]
24"x36"(PLOT) SCALE: 1:1