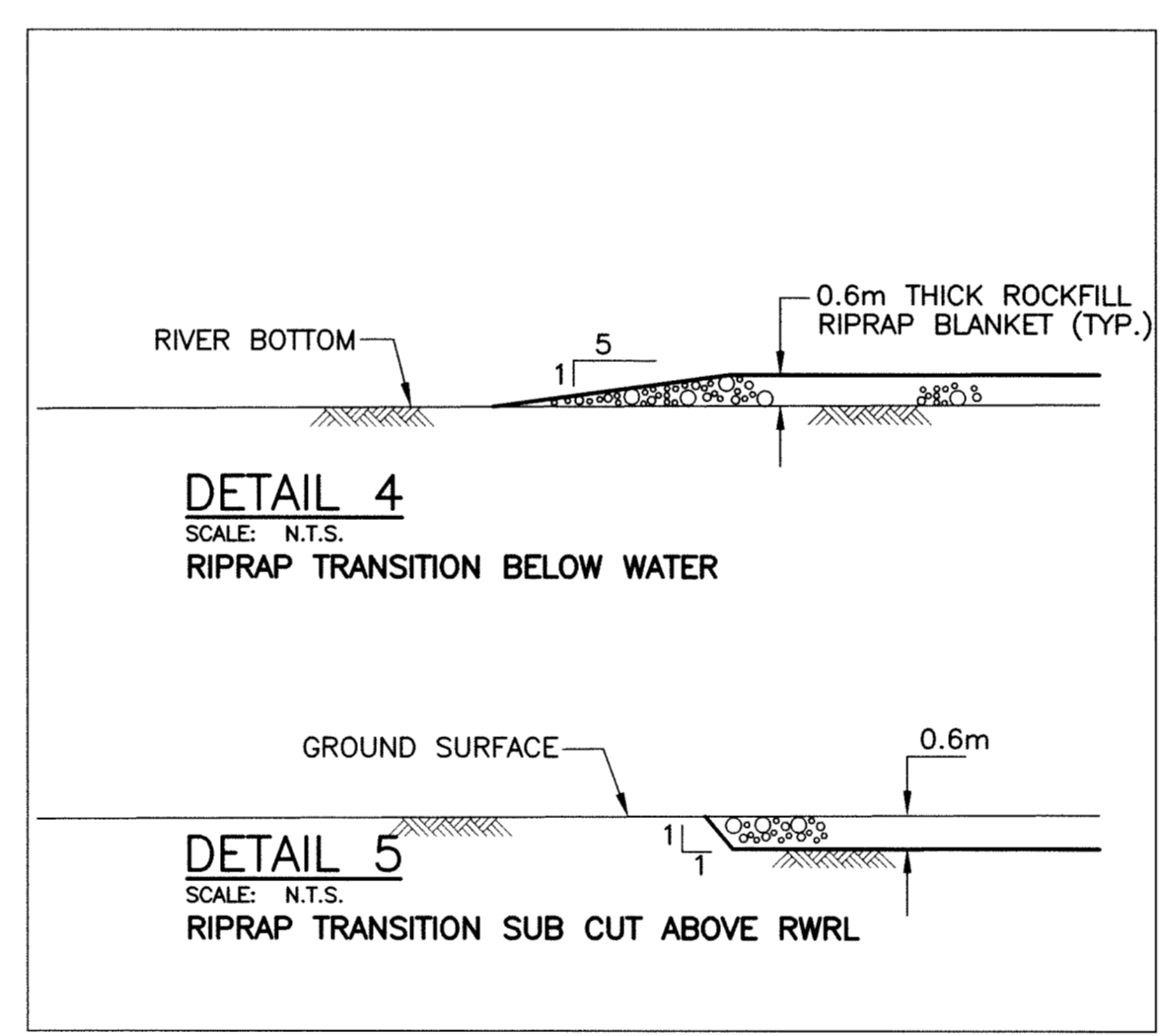
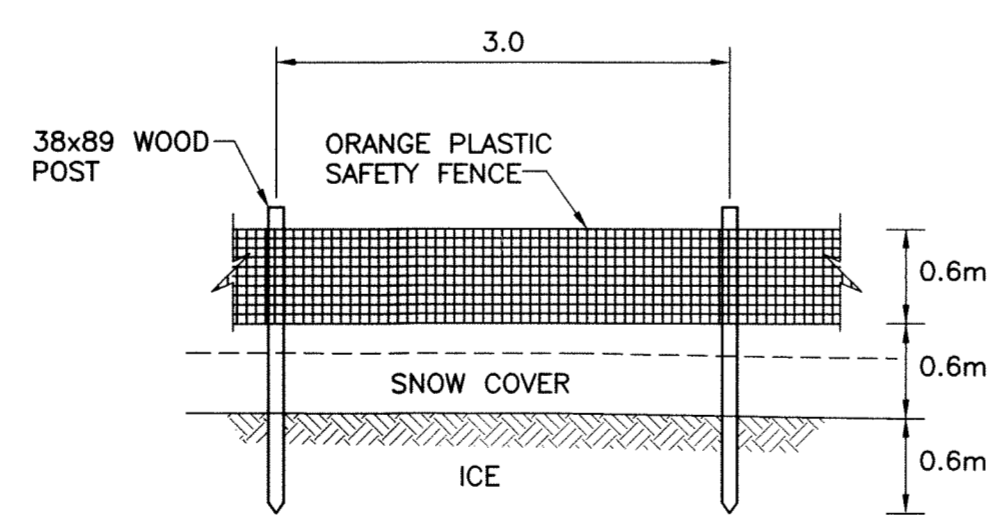


DETAIL 1 COLUMN LAYOUT
SCALE: 1:100

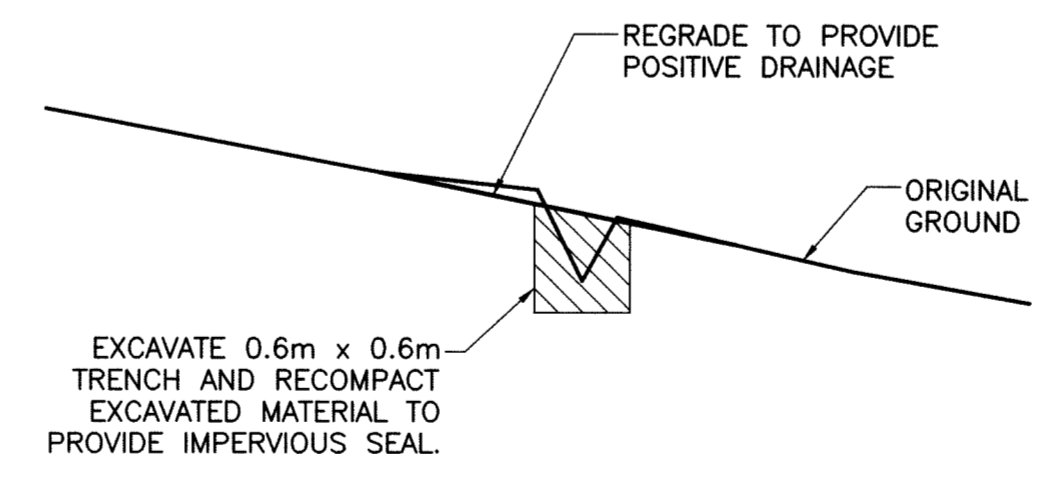


DETAIL 4
SCALE: N.T.S.
RIPRAP TRANSITION BELOW WATER

DETAIL 5
SCALE: N.T.S.
RIPRAP TRANSITION SUB CUT ABOVE RWRL



DETAIL 2 SAFETY FENCE
SCALE: 1:50



DETAIL 3 HEAD SCARP
SCALE: N.T.S.

- NOTES:
1. THE CONTRACTOR SHALL VERIFY THE LOCATION AND PROTECT THE EXISTING PIPE PRIOR TO CONSTRUCTION.
 2. RESTORE EXISTING RIPRAP OVER ROCKFILL COLUMNS.
 3. COORDINATES OF ROCKFILL COLUMNS TO BE SUPPLIED BY THE CONTRACT ADMINISTRATOR.
 4. CONTRACTOR SHALL NEITHER PRUNE NOR REMOVE EXISTING TREES WITHOUT PRIOR APPROVAL FROM THE CONTRACT ADMINISTRATOR.

PROPERTY LIMITS DELINEATION

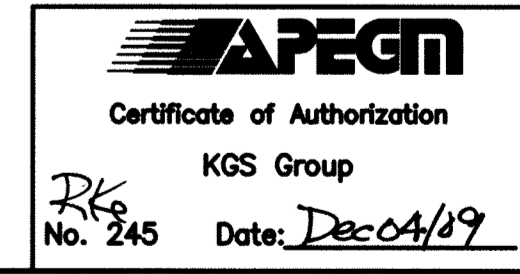
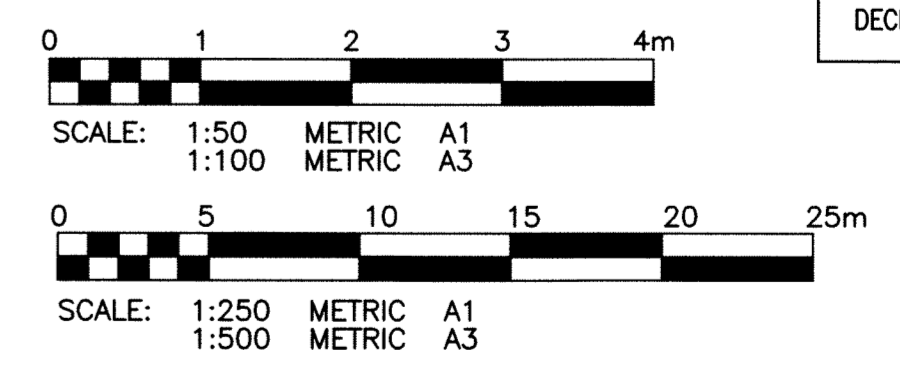
DELINEATION OF PROPERTY LIMITS AS SHOWN ON THIS DWG DOES NOT REPRESENT A "LEGAL SURVEY". KGS GROUP MAKES NO REPRESENTATION OR WARRANTY AS TO THE ACCURACY OF PROPERTY LIMITS DELINEATED ON THIS DWG, NOR ON THE DIMENSIONAL ACCURACY OF DWG FEATURES RELATIVE TO THOSE PROPERTY LIMITS.

WARNING

1. NOTIFY THE GAS COMPANY OF THE PROPOSED LOCATION OF EXCAVATION.
2. TAKE PRECAUTION TO AVOID DAMAGE TO GAS COMPANY INSTALLATIONS.
3. SEE PROVINCIAL REGULATION 210/72 FOR DETAILS.

METRIC

WHOLE NUMBERS INDICATE MILLIMETRES
DECIMALIZED NUMBERS INDICATE METRES



P:\Projects\2009\09-0107-14\DocControl\Issued\SOURCE\dwgs\LD-5471-R0.dwg - Tab: 03 Plotted By: Dberche 12/04/2009 [Fri 9:30am] C:\WELLSEND

150 WM	WATERMAIN	150 WM	HYDRO	150 WM	WATERMAIN	150 WM
+	HYDRANT	+	M.T.S.	+	HYDRANT, VALVE	+
+	VALVE	+	CONCRETE	+	LAND DRAINAGE SEWER	+
300 LDS	LAND DRAINAGE SEWER	300 LDS	SILT FENCE	300 LDS	WASTE WATER SEWER	300 LDS
250 WWS	WASTE WATER SEWER	250 WWS	SAFETY FENCE	250 WWS	WASTE WATER SEWER	250 WWS
□	MANHOLE	□	KGS TEST HOLE	□	PROFILE	□
□	CATCH BASIN	□	PROPERTY LINE	□	NORTH/WEST GUTTER	□
▽	CURB INLET	▽	SURVEY BAR	▽	SOUTH/EAST GUTTER	▽
+	JUNCTIONS	+	DITCH	+	N/W, S/E P'S	+
+	CULVERT	+	ELEVATION	+	N/W, S/E TOP/CURB	+
+	GAS	+		+	NORTH/WEST DITCH	+
---	EXISTING	---	LEGEND-PLAN	---	SOUTH/EAST DITCH	---
---	LEGEND-PLAN	---	PROPOSED	---	LEGEND-PROFILE	---
---	PROPOSED	---	EXISTING	---	PROPOSED	---

LOCATION APPROVED UNDERGROUND STRUCTURES

SUPV. U/G STRUCTURES DATE COMMITTEE

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. KGS BASE ELEV. -	DWGS BASED ON C.S.R.S. NAD 83 SYSTEM, UTM GRID
0	ISSUED FOR TENDER 09/12/04
NO. REVISIONS	DATE BY
	09/11/25

KGS GROUP CONSULTING ENGINEERS	
DESIGNED BY RBO	CHECKED BY RKS
DRAWN BY GEL	APPROVED BY
SCALE: AS NOTED	RELEASED FOR CONSTRUCTION:
DATE 09/11/25	DATE

ENGINEER'S SEAL
R.M. KENYON
CONSULTANT DRAWING NO. 09-0107-14_03

THE CITY OF WINNIPEG WATER AND WASTE DEPARTMENT

PROJECT TITLE: 2009 OUTFALL MAINTENANCE PROGRAM RADCLIFFE ROAD
ROCKFILL COLUMNS, EXCAVATION AND REGRADING PLANS

SHEET 03 OF 07
 COMPUTER FILE NAME: 09-0107-14
 CITY DRAWING NUMBER: LD-5471