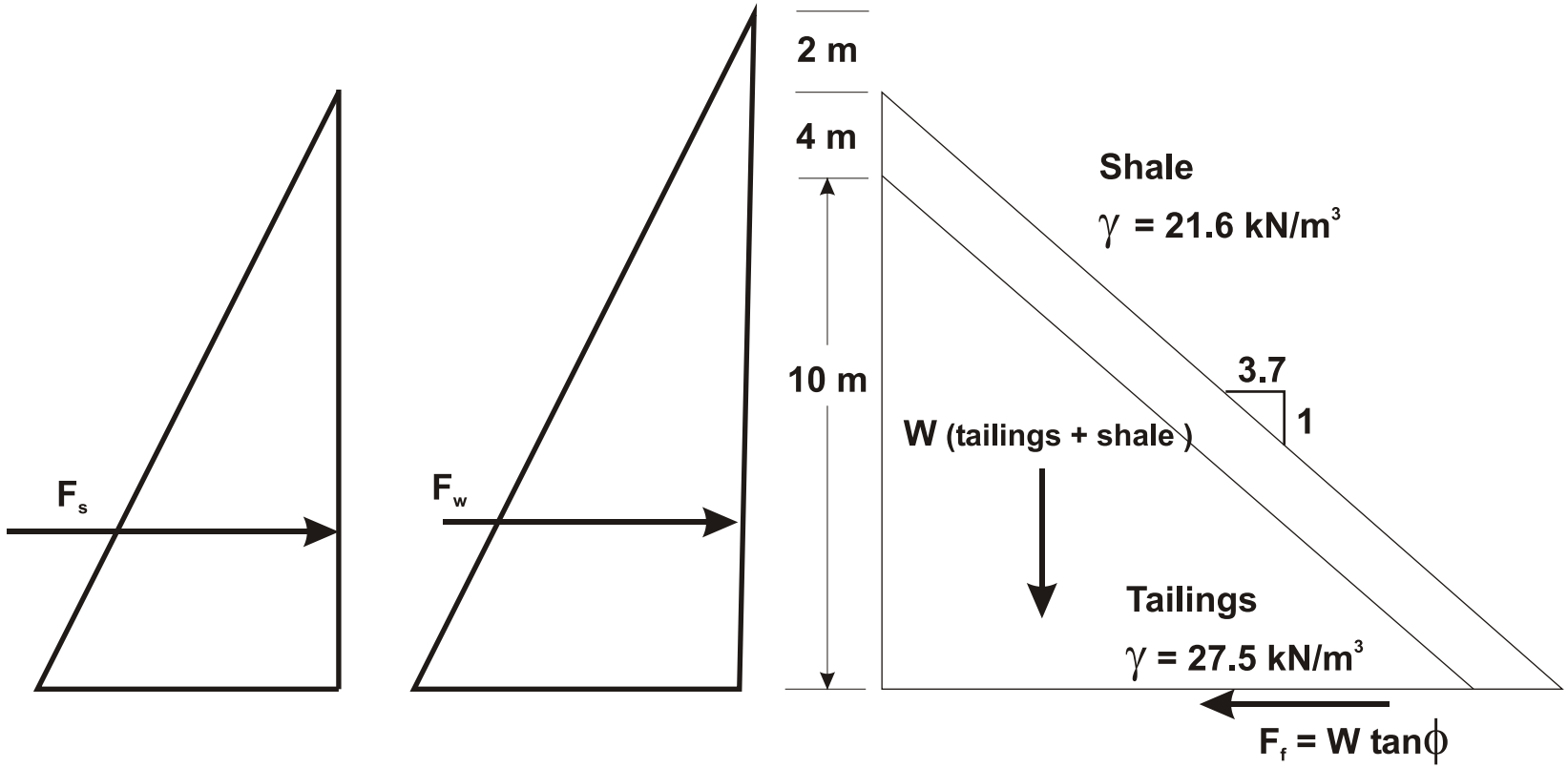
Active Pressure From Tailings

$Fs = 1/2*H^2*(\gamma_{sat} - \gamma_w)*K_a$

Water Pressure

$Fw = 1/2*H^2*\gamma_w$

F_w = Force due to water
F_s = Force due to active soil pressure
F_f = Force due to friction along base of rigid block



DATE: JAN 2004	DRAWN SLF	BGC ENGINEERING INC. AN APPLIED EARTH SCIENCES COMPANY Calgary, Alberta Phone: (403) 250-5185	PROJECT WEST TWIN DISPOSAL AREA CLOSURE PLAN
			TITLE WEST TWIN DIKE STABILITY ANALYSES RIDGE BLOCK MODEL
		CLIENT NANISIVIK MINE, A DIVISION OF CANZINCO LTD.	PROJECT No. 0255-008-09 / DWG. No. V-1 / REV. 0