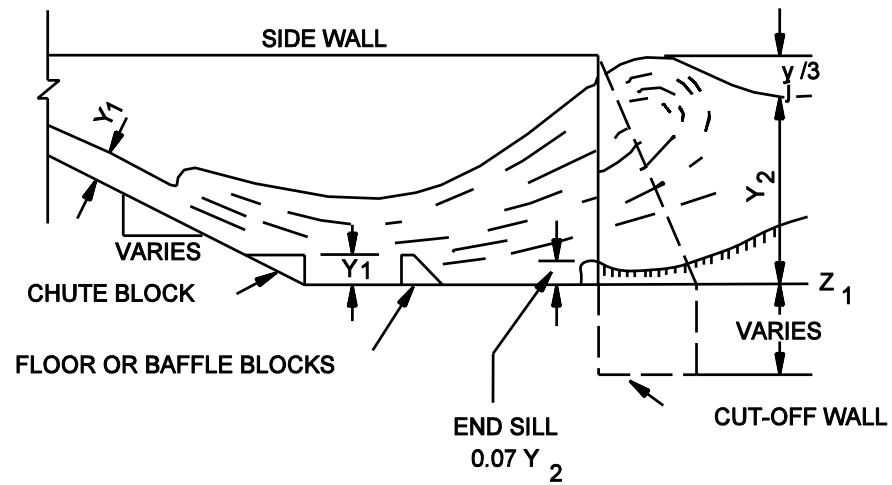
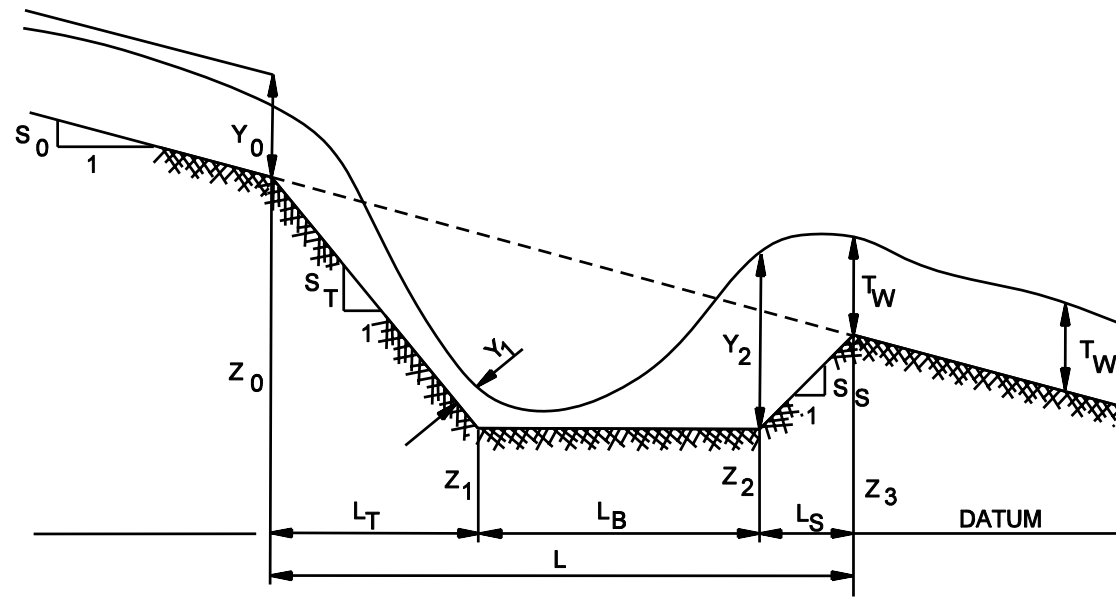


ST. ANTHONY FALLS (SAF) BASIN CHECKLIST	
Project No.	_____
Designer	_____ Date _____
Reviewer	_____ Date _____

SAF BASIN DESIGN VALUES	TRIAL 1	FINAL TRIAL
Type		
Flare (z:1)		
Width, W _B		
Depression, B _d		
S _S = S _T		
Depth, d _o		
Velocity, V _o		
B _o = d _o +V _o ² /2g		
Depth, d ₁		
Velocity, V ₁		
Fr ₁		
d _j		
L _B		
d ₂		
L _S		
L _T = B _d / S _T		
L = L _B +L _S +L _T		
B _d = LS _o + TW		

DIMENSIONS OF ELEMENTS	TRIAL 1	FINAL TRIAL	DIMENSIONS OF ELEMENTS	TRIAL 1	FINAL TRIAL
CHUTE BLOCK			BAFFLE BLOCK		
Height, h ₁			Height, h ₃		
Width, W ₁			Width, W ₃		
Spacing, W ₂			Spacing, W ₄		
Block No., N _C			Block No., N _B		
END SILL			SIDE WALL		
Height, h ₄			Height, h ₅		



ST. ANTHONY FALLS BASIN DETAILS
(Example Problem)