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SLOPE STABILITY ANALYSIS - COMPUTATIONS SHEET 1 OF

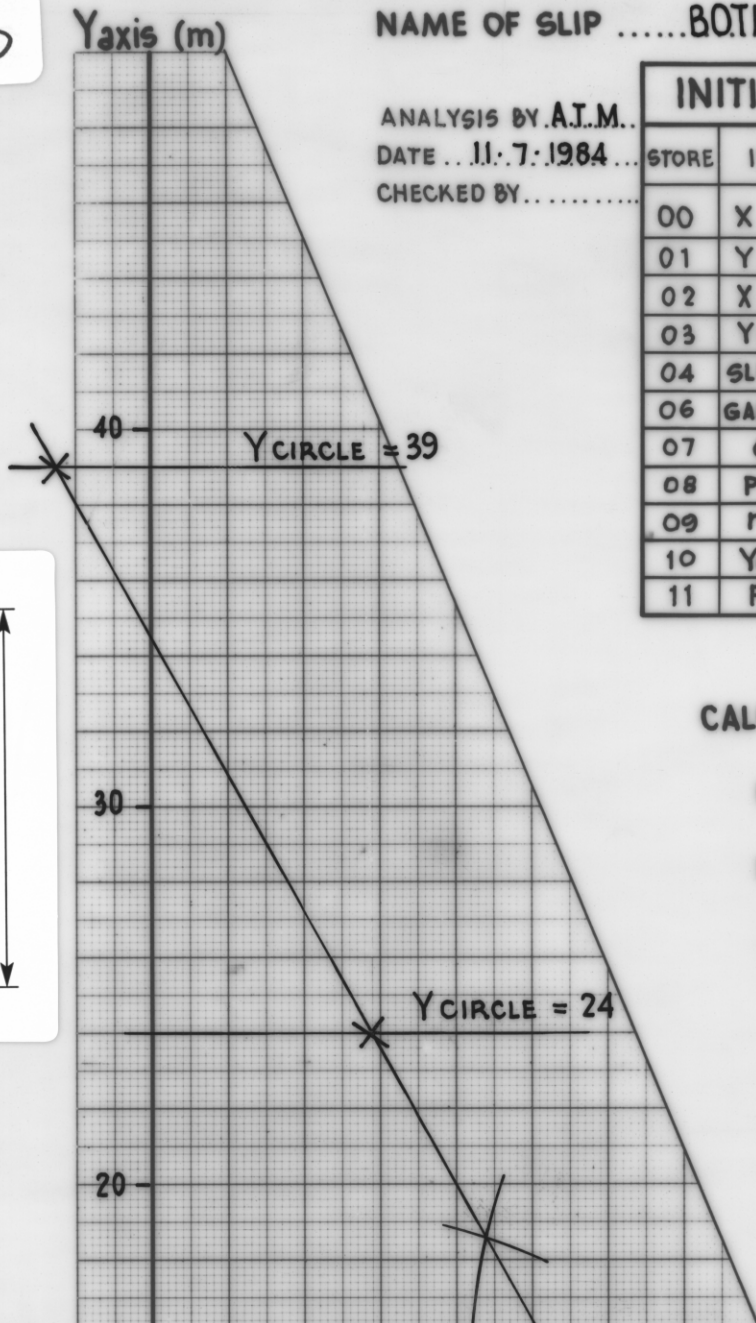
150

NAME OF SLIPBOTHAMS..... MAP REF. 295.4019.....

ANALYSIS BY A.I.M.
DATE .. 11.7.1984 ...
CHECKED BY

INITIAL INPUT				SHAPE *			
STORE	ITEM			STORE	ITEM	STORE	ITEM
00	X L.H.S.	4 m		20	Y ₁	31	Y ₁₂
01	Y L.H.S.	4 m		21	Y ₂	32	Y ₁₃
02	X R.H.S.	24 m		22	Y ₃	33	Y ₁₄
03	Y R.H.S.	15 m		23	Y ₄	34	Y ₁₅
04	SLICES	5		24	Y ₅	35	Y ₁₆
06	GAMMA	20 kN/m ³		25	Y ₆	36	Y ₁₇
07	C	10 kPa		26	Y ₇	37	Y ₁₈
08	PHI	30 degrees		27	Y ₈	38	Y ₁₉
09	r _u	0.5		28	Y ₉	39	Y ₂₀
10	Y _{CIRCLE}	39 m		29	Y ₁₀		
11	F ₁	1		30	Y ₁₁		

* Only enter No specified



CALCULATIONS

	F1	F2		F1	F2	
Given INITIAL	1.00	1.15	Given Y _c = 24	1	0.97	
INPUT	1.15	1.18		Find F	0.97	0.96
Find F	1.18	1.19		0.96	0.96	
	1.19	1.19	Given Y _c = 24	∅	F	
Given F = 1	∅	F		F = 1, c = 5	30	0.79
Find ∅	30	1.15		Find ∅	40	0.97
	15	0.98			42	1.01
	17	1.00		41.5	1.00	

