

8.5.9 $C = 23\ 02\ 24\ gur = 23\ [guru_7]\ 2\ sixties\ 24\ gur\ (lines\ 4'-5')\ BM\ 96954+$.
An Outline of the Tablet, a Table of Contents, and Hand Copies

§ 1. The seed measure of a ridge pyramid

$$C = c \cdot (u + 1/2 r) \cdot s \cdot 1/3 h, \quad c = 1\ 30\ gur/volume-sar$$

[§ 1 a	u, r, s, h given	$C = ?$] computation rule
[§ 1 b	C, r, s, h given	$u = ?$] linear equation
[§ 1 c	C, u, s, h given	$r = ?$] linear equation
[§ 1 d	C, u, r, h given	$s = ?$] linear equation
[§ 1 e	C, u, r, s given	$h = ?$] linear equation
§ 1 f	C, s, h given, $u + r = 14$	$r, u = ?$ linear equations
§ 1 g	C, s, h given, $r/2 = 1/5 u$	$r, u = ?$ linear equations
§ 1 h	C, u, h given, $2/3 s = r$	$r, s = ?$ quadratic equation
§ 1 i	C, r, h given, $[u + s = 16]$	$u, s = ?$ rect.-linear eqns
§ 1 k	C, r, h given, $(u - r)/h = 7\ 30$	$u, s = ?$ linear equations
§ 1 l	C, u, h given, $r + 1/3 s = 6$	$r, s = ?$ rect.-linear eqns

§ 2. The seed measure of a truncated ridge pyramid

$$C = c \cdot \{(u \cdot s + u' \cdot s') + 1/2 (u \cdot s' + u' \cdot s)\} \cdot 1/3 h'$$

§ 3. The seed measure of a square pyramid

$$C = c \cdot sq. s \cdot 1/3 h$$

§ 4. The seed measures of various solids

A triangular prism	$C = c \cdot u \cdot 1/2 s$
A trapezoidal prism	$C = c \cdot u \cdot 1/2 (s + s')$
A semi-circular cylinder	$C = c \cdot a \cdot 1/4 d \cdot 1/3 h$

§ 5. The quadratic growth rate of a circular cone

$$V = sq. s \cdot 1/3 h, \quad (f = 1/2\ rec. h \cdot a \text{ or } f = rec. h \cdot sq. a)$$

§ 5 a	a, h given	$f = ?$
§ 5 b	a, f given	$h = ?$
§ 5 c	f, h given	$a = ?$
§ 5 d	f, V given	$a, h = ?$

§ 6. The volume of a circular cone truncated at mid-height

$$V' = (1/3 A_a + 2/3 A_m) \cdot h'$$

§ 7. The volume of a circular cone truncated near the top

$$V' = (1 - 1/6^3) \cdot V$$

§ 7 a	$[a, a', h']$ given	$V' = ?$
§ 7 b	$[V', a, a']$ given	$[h' = ?]$
§ 7 c	$V', [a', h]$ given	$[a = ?]$
§ 7 d	$[V', a, h']$ given	$[a' = ?]$

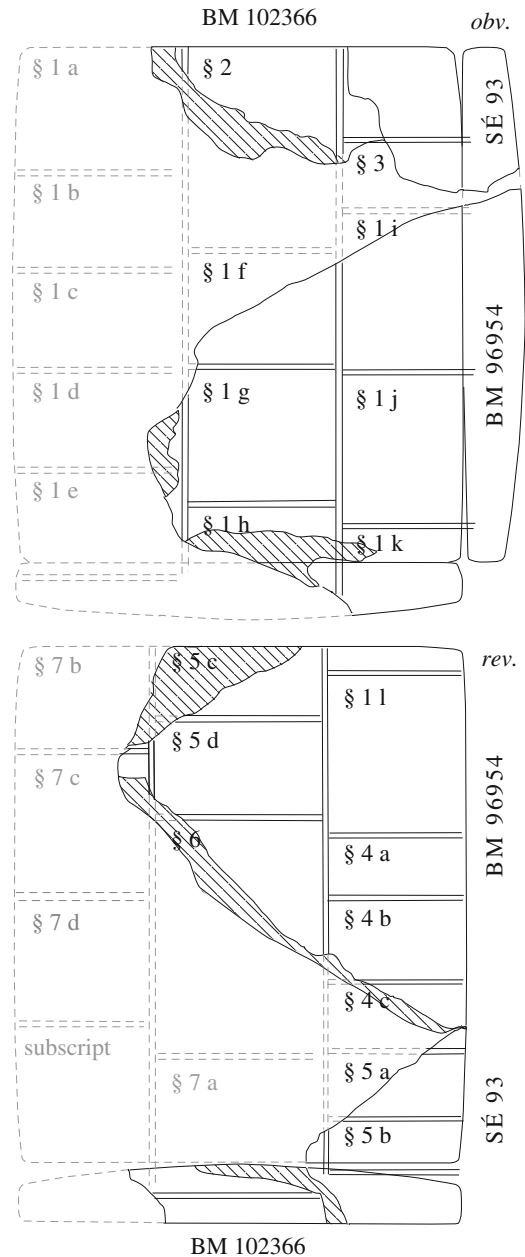


Fig. 8.5.6. BM 96954 + BM 102366 + SÉ 93. A reconstructed outline of the tablet and a table of contents.

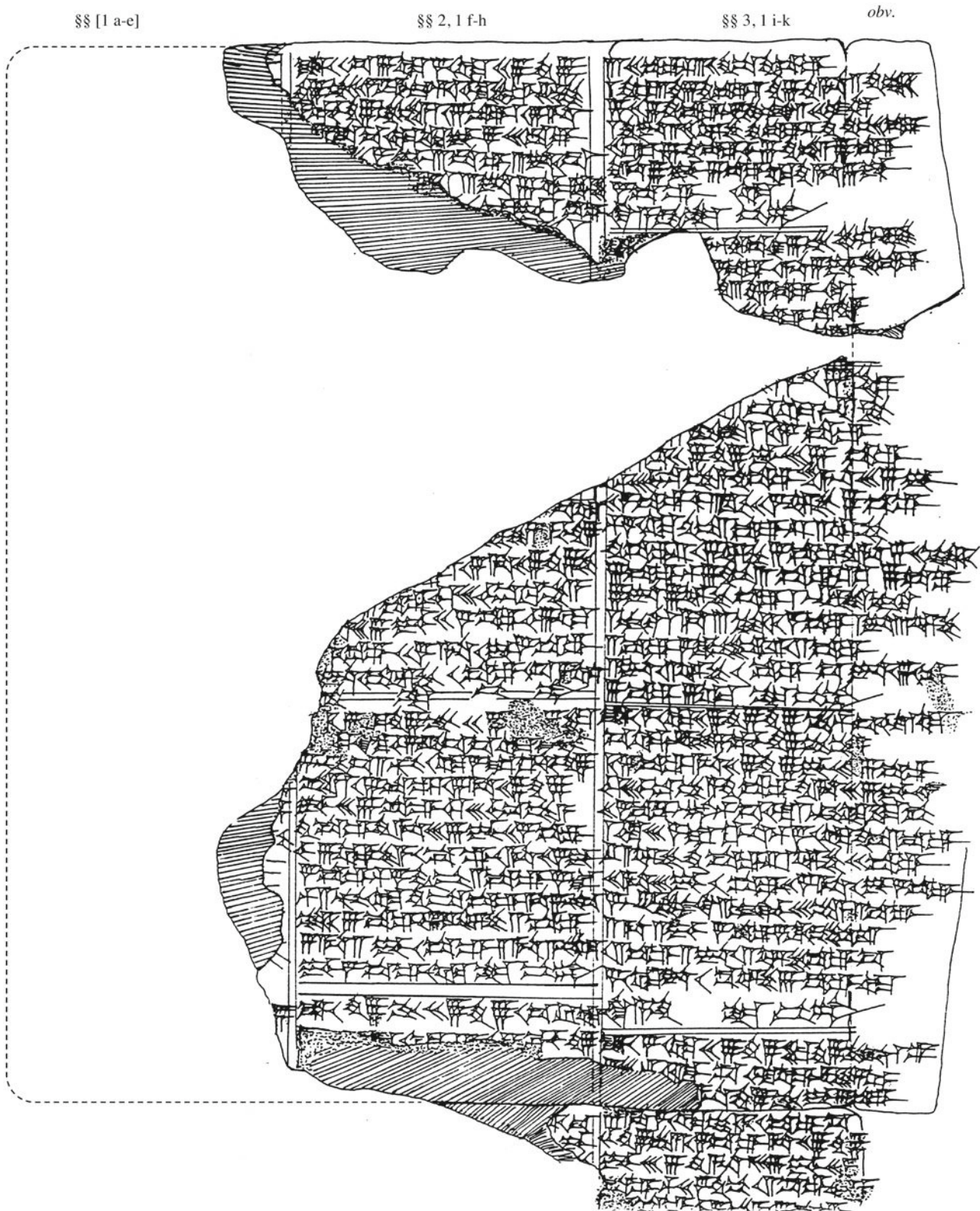


Fig. 8.5.7. BM 96954+ *obv.*

§§ [7 b-d]

§§ 5 c-d, 6, 7 a

§§ 11, 4 a-c, 5 a-b

rev.

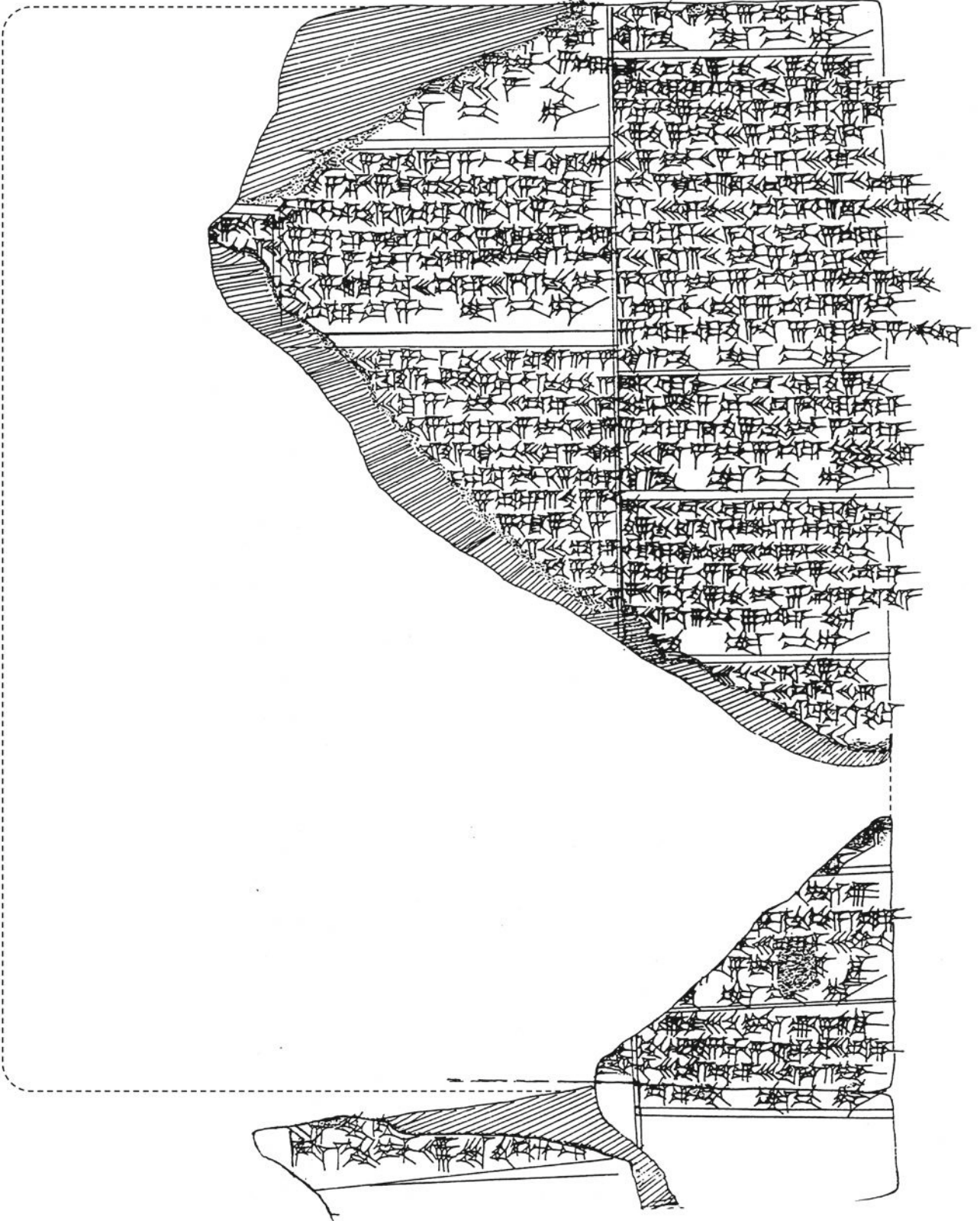


Fig. 8.5.8. BM 96954+ rev.