CUNIUM EXCAVATIONS

AT MEIDAN

J. H. YOUNG

NOTEBOOK II

Views of the Sphendone after cleaning.

IV, 34: From the West

IV, 37: Inside, from the South Wall.

I, 11

I, 12

Views of North Wall before excavations began

III, 2
View of the Stadium from the hill to the N.E.

III, 3
View of the Stadium from the hill to the E.

May 22nd - A brewing today
On north side here place [illegible] today.
At east end [illegible]
without - [illegible]
or none dead. From here (E end [illegible]) [illegible]
[illegible]
[illegible]
[

May 23rd, 1939

Trench 1. O-P: → N

Rock in O-20 — Surface rock — Bedrock at c. 20
Stone filling — Loose earth

Work began with I–N
Fragment of glass – K, 10c. – Rim of bowl.

From I, c. 10c, fair coarse sherds. In section Λ the bed-rock appears from c. 10-15 cm. down, very uneven.

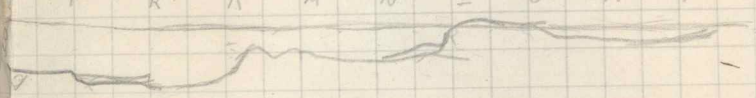
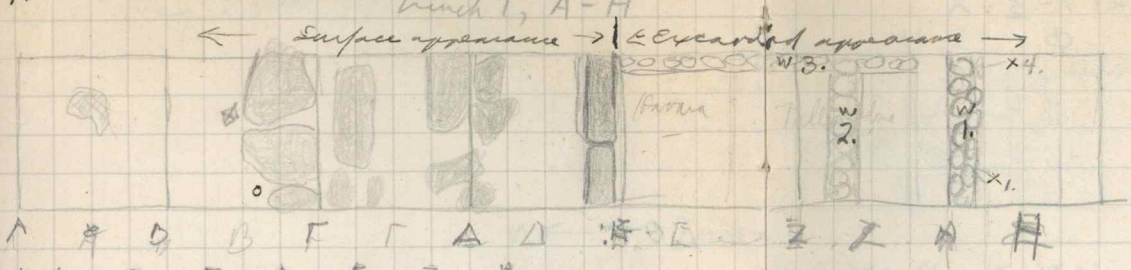


Photo: 13: Trench from S wall
15: Break of rock in section N
16: Section O-P, showing change of earth at Π and small stone from wall K-L

At just about 20 cm. down in the S end, section the centre, is the floor, composed of small stones filling in the holes in the bedrock and packed tight with slightly lighter, hard earth.
In section O, a rock, shoulder, part of arm, back and head of terracotta figurine.
In section O, deep by Sept., a stratum (?) of pebbles and earth, perhaps a little harder, but the same earth as the floor, is preserved about 5 cm higher than I.

About 10 cm. down slope line, in Σ, above fallen rock, a small rounded stone – hard gritstone?
Photo 20 – Inner slope of S wall before boulder fill was removed. 21 – filling over holes in bedrock at section O before removed.
Section O was dug to bedrock, which is very uneven, but always less than 20 cm. below surface. At N end of Π, there a thin layer bedrock drops – bedrock stones (to c. 10 cm.); red to c. 20, then orange; in corner

Trench 1, A-H



At the end of section theta and throughout zeta is a stratum, about 15 cm. down, of small field stones. Large stones form a slope up to the top of the wall in E - they seem fallen only. Photos 17 and 18 show these stones in place; they were then removed.

In A, at about 10 cm, a second stratum of reddish earth was found. Section 13 contained the upper stratum of alpha. here jibed up about three large fallen blocks. At the base of one a fragment of ribbed ware (X). Two sherds were in the first stratum of A, one the pour-mouth of a large oil pitcher - coarse ware. Red-wash (?) shows in cracks of A.

Several pieces of a coarse pot found in fill around fallen stones in B (O). They are about 10 cm. down.

This first stratum reaches under the stones here; outside another shallow stratum can be distinguished, which produced a few sherds, continuing from A. This will be called 2.

P1121

P1122

May 24th The earth was removed from all about the upper surface of the fallen wall-stones in B-Δ; another piece of the horse found in Δ, more sherds in B. In B the work proceeds with the 2nd. stratum

Photo 22: Face of S wall, showing fallen stones with upper fill removed.

Photo 25: Face of S wall from E, showing splitting of face of wall face. From large block in center - large slab broken off and was removed.

May 25th. This morning further cleaning between stones

Photo 26: Fallen stones, cleaned; from above (E)

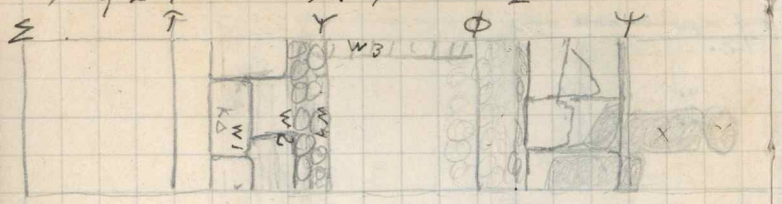
Photo 27: " " " below (S)

Photo 28: Inner side of S wall after stone 2 was removed.

In Z and H the second stone was removed, giving some sherds and one small piece of stone with a rough-picked, flat surface. This took away the fill of stones, and the next level brings it in line with the 2nd stone of O.

In A-Δ the large stones were removed and the fill examined below them. Cont. to 19.

May 24th Χαντίκλεια 1-Σ-Χ



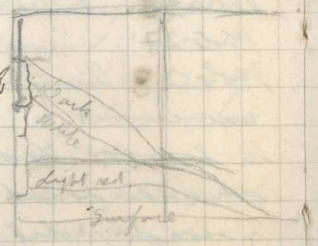
In this whole section the top earth is grey, and very soft. Σ and T each, in about 10 cm., a fill of loose earth and small stones which slope up the wall. Y has large stones, the earth is redder. In Φ & Y outside the wall the earth is extremely compact white.

Photo 23 - shows two stones (of pillar) in place before removed.

May 25th The χαράκωμα dirt removed deeper, untilavered layer appeared. Section X was brought down to dark red level; section Ω was opened and brought to same.

Photo 29 - Section 17 - Φ from N, showing three strata - Above black & stony, next dark red, and on bedrock light red.

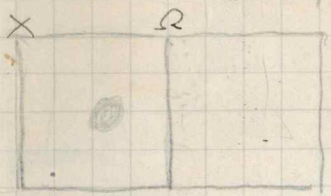
Photo 30 - V near trench from N, with white earth removed & one layer of blackish dirt



May 30 - Work was resumed here by Sophocles, who this morning removed the black earth & small stones from Σ. In the N.W. this fill, well shown, was found a small cup bag of Helladic type

P1125

24.

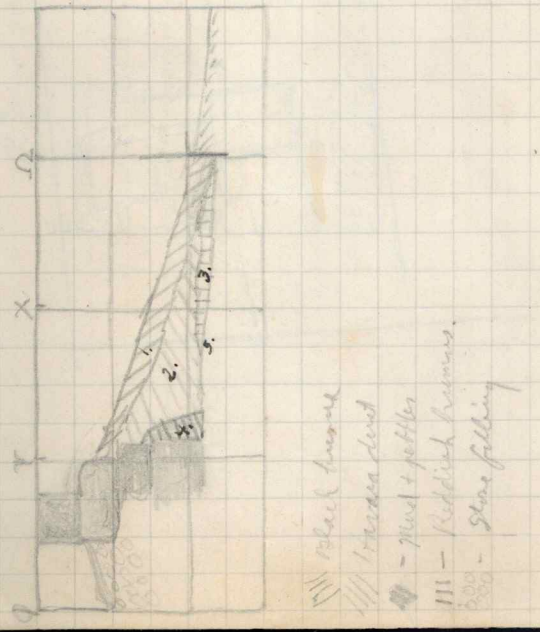


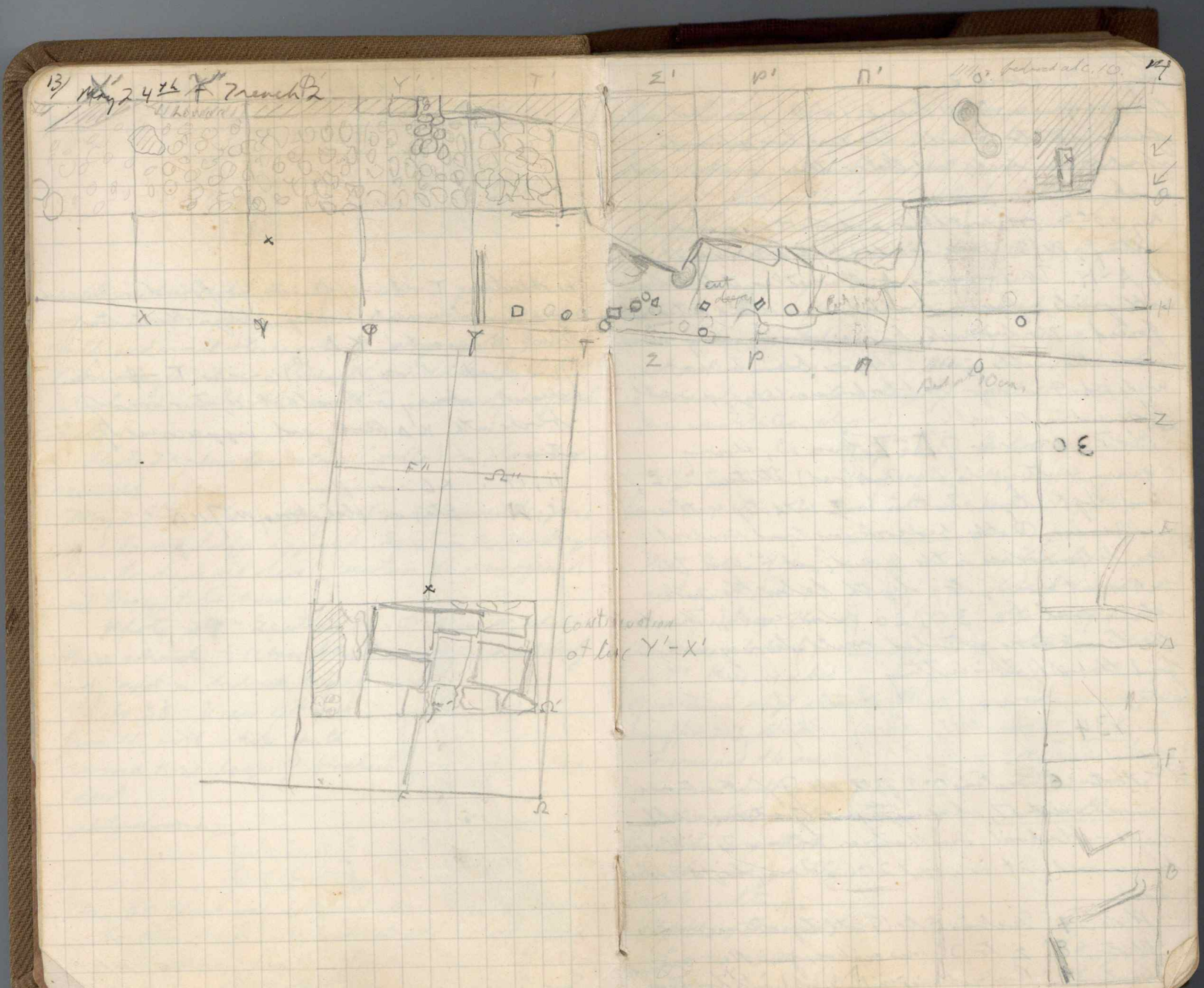
In section T this afternoon we found a preserved course of either seats or steps. Upon the central block is incised KΔ ii

June 2nd: Photograph 16 - view T-Φ when cleared, showing rib wall at W, two courses of blocks with KΔ block, and upper course of stones.

ii, 17 : KΔ inscription

ii, 18 : Step on block above W of KΔ.




13/ May 24 Trench B
Construction of line Y'-X'

May 24th Trench 2

Work begun on E-W trench (A-O), somewhat in from and N to S wall. There are two strata, about 10 cm. each, and below these is very hard bedrock.

May 25th At about this end of H is a rock cutting, N-S. Here would form a trench at L to A-H. This morning A-Δ were cleared to bedrock, with quite a few coarse sherds in both strata found. The bedrock has very clear greasy marks, indicated on the plan. They are channels 4-8 cm wide and 4-10 deep. The blocks were large, probably those used in the walls.

26th Photo 30 - View of Δ-Z from N, showing greasy-cutting in Δ, 2nd (red) stratum in E, and light (top) stratum in Z with top earth around. In section O the bedrock was found in about 10 cm. below surface on the S side and E end. The east is cut away, to a depth below the 2nd stratum level (c. 30, 20 below rock). Therefore the trench was extended south two squares, to find the end of this cutting.

O-X make a rough cutting slanting downwards to W

Photo 34 section M-O, showing [illegible] small stone about 10 cm.

27th Photo 36 Section O-Z with all of first stratum removed except N, where lower part of stratum still left - black soil, small stones. Stratum 2 will soon be removed - it is about 20 cm down, light-reddish soil

Photo 37: Section E to O with top stratum removed.

Photo 38: E to O, same as above, from N.

Photo 39: Rock-cutting in H, O, and I, with top stratum removed

May 27th: In section H, on the small stone "floor" which is about 5 cm. below the top of the second stratum, a small coin. Bottom was 32 cm. below surface, so here the upper, black, stratum goes deeper as it reaches the higher rock.

May 29th Photo 41, 42 - View of O, O, I, P and rock-cutting, top stratum removed.

41, 5: O - X with first stratum removed. The rock cuts in here on what is apparently a curve. The top soil extends down c. 20-25 cm. From N on it extends only 10 cm. to a layer of walled stones. This constitutes stratum 1.

Top soil in trench 2, 1 - M

Rod pin 0-5

O - Stone at c. 10

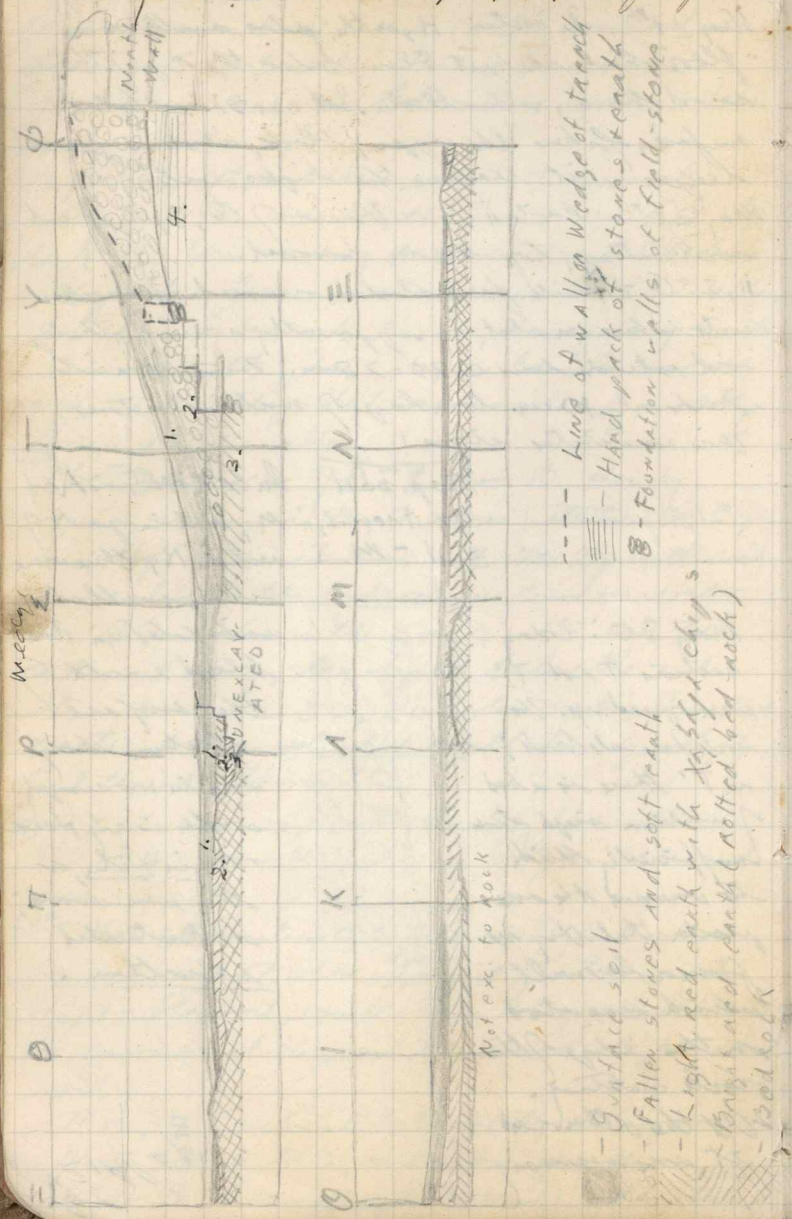
On both sections A and M, and in part of section K, there were many small stones imbedded in the black earth of the surface stratum. They were in no arranged order in any place or in strata, as they were covered; but extended below them.

May 30: Today sections T and T' were opened up. The rock here cuts back; in T' there is a bed of medium sized stone superficially thick to warrant the suspicion that they are from a low wall which once stood on the edge of the rock cutting. At the other end it was necessary

To page 18

23

17 May 25th/44 – Trench 1, O,–X (continues p.8)

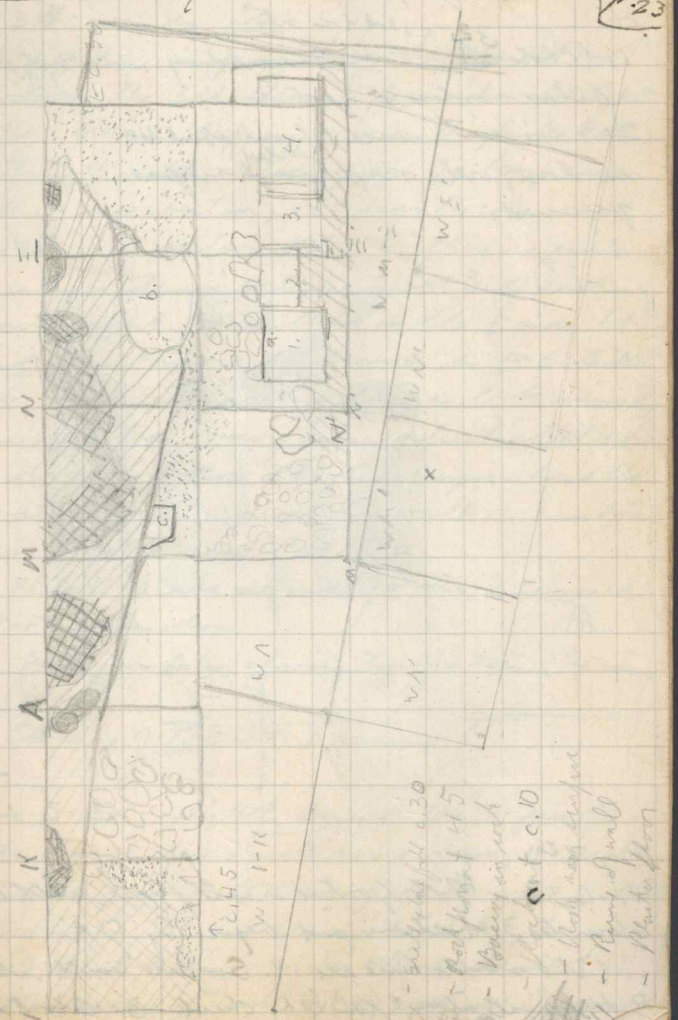


18.

Trench 2. – from p. 16

to open up the remove squares =, =' and N' [illegible]

In the late afternoon, in section N, we encountered a fill of really very chalky + soft ~~x~~ + ~~x~~ stones between the line of the stone-cut and the trench. p. 23



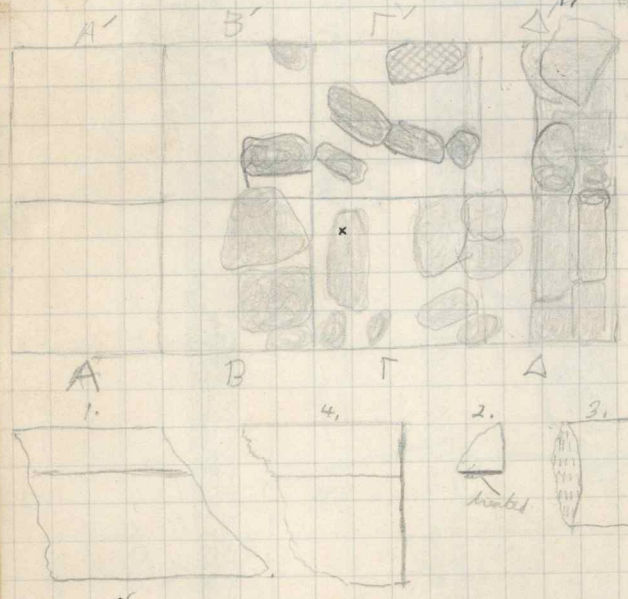
May 25th, Trench 1, A-H (cont from 9.

The third stratum was removed in 2 and H. This is a hard packed fill of stones and red earth, probably of the next embankment. Some Sherds and some architectural fragments were found in the fill of H.

H:

1. (Photo 32 = 1 and 4 in situ) Piece of moulding, at about 30 cm. below surface at spot X.

2+3 are small pieces, found about 40 cm. down, with a single rough surface preserved.



bowl-shaped in 2a at 70 cm.

May 26th

H-Γ 3: Photo of the S wall from S, with Γ+Δ down to 3rd stratum and beginning of A'.

The strata here are 1. Surface earth, about 20 cm. 2. Heavy wall-stones & XαBγδ chert 3. About 20 cm of hard-packed red earth 4.

May 27: Early this morning a coin was found in section Γ, trench 1, at spot marked X, almost at the bottom of the 3rd stratum, about 1,10 below the orig. find surface, in solid red earth (by small stones) below one of large, fallen wall-stones. Photo 35 - coin in situ

The fill here is promising - hard packed and definite in the 3rd stratum. A second metal object was found (broken in digging) - a small cylinder with the ends threaded. Also a piece of a lamp came from this same section, all near the coin.

May 29th: In section B'—E' there is quite apparently a stratum between 2 and 3 of dark red earth, about 10 cm. thick on the E side. It does not carry across the trench in B-E to the E side, and was so thin there as to be missed, because of the heavy stones & dust about it. It is directly below the level upon which the wall-stones fell - against the wall c. 1 m below surface. It will be recorded as 2a.

Roll ii, Photo 1: B Cleared with most of stratum 2 removed in B'-E', from above.

R. ii, 2. Same from below, showing top of stratum 4 in B-E.

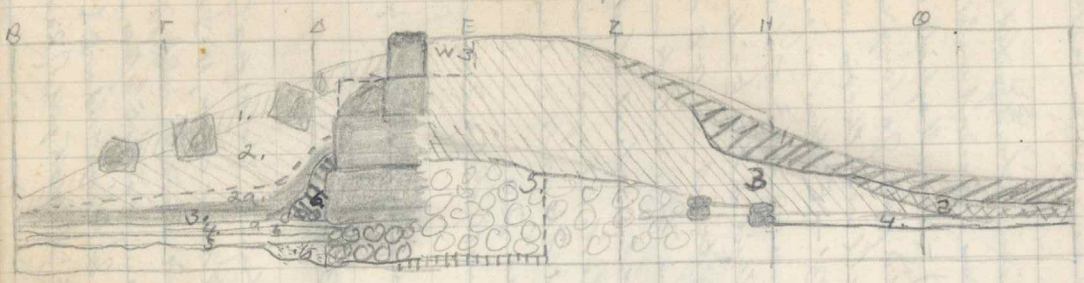
ii, 3 - Close up of B-E with 3 removed (:)

ii, 4 -

Section E-D - slightly beyond the W face of the trench here a wall runs down, N-S and sloping to ground. It is loosely made, probably for packing. We are clearing to the E face.

Photos 6 & 7: A'-A to D'-Δ: In A & Δ rock + red soil (4); in B part of 4 removed; Γ with 4; B' with part of 2a removed showing 3; Γ' with 2a

Trench 1; Vertical B-G



III - clay
IIII - Black ash-soil (1)
IIIII - Yellow sandy clay (2)
III - Sea-sand.
[Within xxx = layer of deep red soil (2)]
[Within small x strips = stones + dust, filled bonds (3)]
——— - Light red, loamy soil (3)
- - - - - Dark red soil, (3a) apparent only in B'-E' (see previous page)
——— - Dark red soil (4) - both in + out. Filled with x a, 3a, 5a chips
(4b) - upper layer of chips in A'-Δ'

May 30th
Photos 8+9 - 9, Δ-H from I, showing wall in Z; on lower wall the two large arches real fragments have been approximately replaced; that at the W has been turned over.
Photo 10: The wall on the W side 9Δ-Z, vertical to main wall, from main wall to E of trench.

Trench 1

On B-Δ, at stone 4 showed, after B, a difference in upper loam level - a hollow each about 2 cm. deep. The trench was expanded.
May 31 - Photos ii, 12 = view of A'—Δ-Δ'
with stone 4 exposed from B-Δ, and B'-Δ' cleared partially to 3, partially to 2A. In these strata are embedded some large + small stones.
June 2nd: Wall examined here by Whitehouse + surveyed this morning.
Photo ii, 25' A'-Δ' with stone 3 (really base of the second) in A', stone 5 in B', stone 4 with the long wall block on F', and the new wall of clay and wall in Δ'

Trench 2

Plaster to was removed in 1 — ; in K there are many small fallen stones in it. The line of the adobe continues to curve toward the end of the wall in M. The space constantly narrows. In section M; in N the cut rock appears to go back W, and there is a large fill of small X x β ά p α stones; & in digging around them for the present.

May 31: In section K and A the first (black) & second (red) strata dropp steep — c. 25 × 35 cm. — between the W edge of the trench & the cut rock. Below them is a stratum of small X α p α p α stones, which rises in N to a depth of about 35 below surface against the cut rock in the N end (east) of N, c. 45 deg and 40 × 3 ft × 10 in diminishing sizes. Above it and held back by it (i.c. S) the small X α β ά p α stones regularly on about a line with the rock slope, which here drops.

In N' one runs into the wall stone of the W end, and a large square block about 10 cm in the middle. The E edge is finely cut, about 80 cm. from the E edge of N' — between it & N' is a fill of small X x β ά p α stones about to the surface. In E there is a flat stone surface still only about 10 cm, then more small X x β ά p α.

In N' and E' the end of the wall was located; the large square block forms its NE corner, and it continues in a line of cemented stone.

Photo 12: N x N' with top soil removed and part of X x β ά p α taken.

Photo 13: N' and E' from north, showing end of wall

Photo 14: Complete view of trench 2 from S, ~~with~~ same time.

June 1st: Today floors were squared & were opened out in a line to continue O'-T', following N to the N end of the stratum.

The plan on 18 calls for some notes.

Section L. The bed rock at the E end, not far below the surface in any place, widens toward the south, from 35 to 45 centimeters. The rest of the trench floor the rock cut abruptly down to c. 45 cm, and here filled in with small stones of the cement floor.

Section K: The upper rock continues to widen, reaching 75 at its S end, where is one of the shoe-shaped grain cuttings (?). The rest is partially filled in by small stones, on some of which the cement is again preserved of the floor. The depth of earth here deepens, from the 45 of L to 60. The strata are still two (black & red) and about as ever in thickness.

Section A. The high rock here widens to 1,15 meters, and rises to the surface in the center of the section, to drop abruptly against the end. The earth again rises toward the stratum wall; the strata are about 25 cm. each; in the top are some small fallen stones. Below these two strata of earth a stratum of small X x β ά p α stones (many flat) begins; the top slopes upward, and was apparently covered with a coat of white plaster, much destroyed; in going through it & about 10 cm. into the stones, which still drop down.

cont 27

25/ June 1 - Trench 3

Today, in an effort to trace further the course of the numbered ~~course~~ line of blocks, we opened a trench, approximately in line with 1,T, beginning approximately 7 meters to the E (in line with the 60 m stake from survey point NE) and extending 4 meters E.

Photo ii, 15: Carved stones in A at depth of 15 from top surface, 65 from bottom surface; in B the stones have been removed. The photo also shows the wall along the W side of the trench and the great stone piers.

June 2:

Photo ii 18: 1Δ inscription
19: ΔIK inscription
20: ΔI inscription

Last night evening a new section, A, contiguous to 1,T, was opened. This morning the lowest course, the sixth block IKΔ, was followed. The block E of IKΔ is inscribed ΔIO, and the next block in line again bears an inscription - IO.

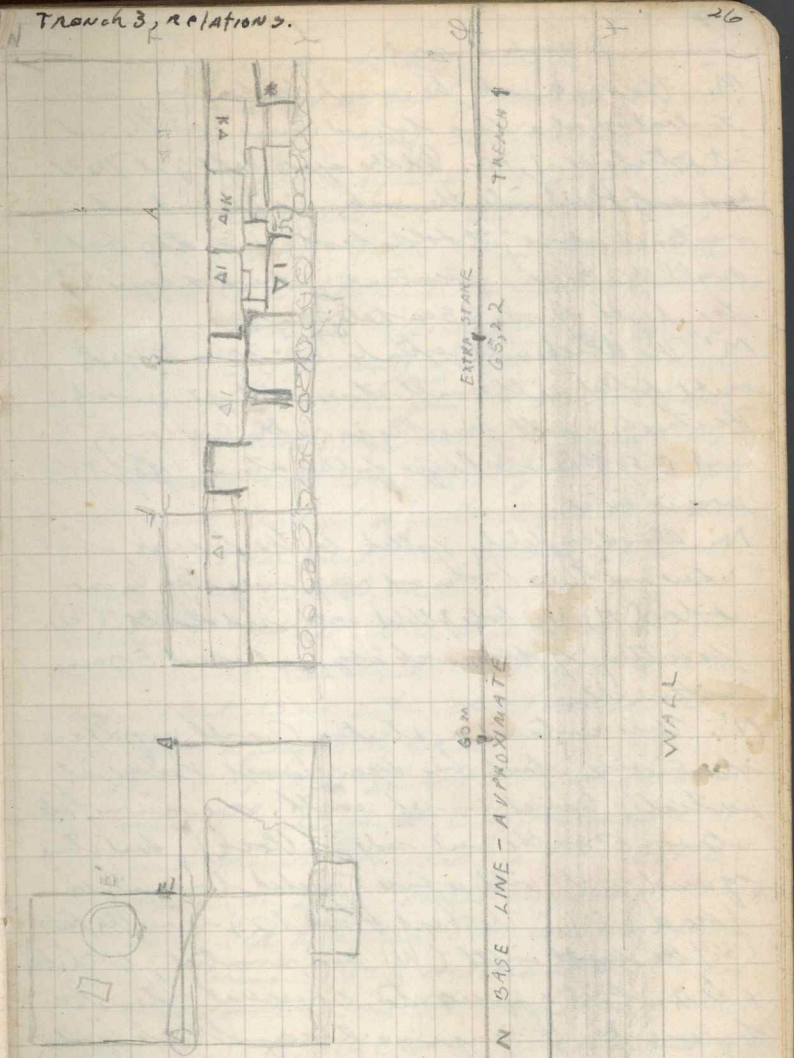
Photo ii 22: Trench Δ - E cleared to bedrock or cement, with piers wall to N and striations or joints in E', seen from E.

ii 23: same from S

ii 24: from N, showing rich fragment and ox stones.

Cont p. 32

TRENCH 3, RELATIONS.



Trench 2 cont.

M. The high rock, here much broken away, continues to slant in at a less defined curve - at the end it extends W 1,70. All the space left, at the N end and flush with the rock, is the cut stone mentioned above; it holds back (to S) the bed of small χαβάρα, plastered, which slopes up to a level of only 25 cm below surface.

M' The blackearth extends 25-30 cm to red earth filled with small stones, not yet removed. The stones of a wall line beg in in the SW corner, and E of them are larger fallen stones, left in position.

N: almost completely filled by the bedrock, which is here and there broken and very irregular. In one side (W) is a hole filled with red earth (6). The cutting of the rock stops at about 50 cm. within N.

N': This contained a stratum of small χαβάρα on its E side, which has been removed. Below it, partially buried in red earth, are various fallen stones. On the east side is block 1, but stone very neatly cut, with a fine-picked surface on face A (E). The next block (2) is smaller, but 3/4 the depth width (W) and mounted, both shown to be several stones bound by cement. 4 is again a heavy block, protruding beyond the end of Ξ'; its B face has not yet been cleared.

Ξ (here the upper surface of the bed-rock (c. 30 cm. down) in the NE corner is covered by a plaster coated χαβάρα filling.

There were apparently held for the E end of Ξ', where the surface was badly destroyed; stone 4 (or the other) is about 30 cm below; we have cleared the χαβάρα of Ξ prime E of it to this height (i.e. the blocks - c. 35 cm.

June 2: Trench T-O even borings 40 down to a layer of small stones about 20 cm. below the surface W, and 40 below the upper bedrock. M 255

In section of a small coin was found in this top fill, about 30 cm from the bedrock high level, on the stones in about the centre of the χαβάρα.

Later a second coin (Ω variety) in Y, on the same level at a greater depth below surface (c. 40), which here rises toward the wall. This is entirely of black earth.

June 4th Sections F" and Ω" there were opened to E, in accordance with marching line. The first stratum drops about 15 cm. with black earth to red below - perfectly even.

ii, 28 - F'-F"-Ω'-Ω" with 1st. str. removed. In section F", 20 cm. E of wall and 24 cm. below it to surface, a few bottles of glass. ii, 29 - Bottle in position at end of wall (at X on plan). From here running steeply to the W widening of 1-1 was cleared to the 2nd str. forming and the sherds were plotted together as 1-1 Widening. The str. was again black, about 15 cm; stones from the top fill 2.

ii 30: This section with str 1 removed. C 1004

In M' widening square a coin, marked + 10/10 X found in 1st stone, reddish; at 35

ii 31: Ξ + Ξ' prime with 1st str (10 cm) removed. SH 11.546

Survey Measurements

North wall inc
Flag at E end M1

20 m
20 m
20 m

5,22 m
9,88 m

20 m
16 m
20 m
20 m
20 m
20 m
20 m
20 m
14,33 m
210,33

7,25

verses at E end (N-S) from flags

2
10,74
11,50
9,34
33,58

To walledge - 1,50 additional: Total 35,08 7,59

West end across (N-S) from flags

2,
4,47.
10,98
7,78
8,35
33,58

Back to front stakes 6,45
Back to centre stake - 17,55

From centre door-line, S wall 16 N - 10,62

5,32 ; 7,75 ; 10,97 ; 4,46 ; 1,99.

June 3rd – Trench 2 T'-F'

The continuation of this trench to the south revealed the following relations not far below the surface:

T': The bedrock is cut back as the plan indicates, the face it a straight, N-S quarry cutting continues south, the bedrock after cut back continues N in a somewhat curving line, and the space between it and the trench has a fill of medium sized stones (broken) at about 20 cm.

Y': The wall of bedrock to the E turns abruptly to the east just inside the S edge here; the small stones, as in T, rise higher W of the break; the bedrock continues again in a narrow strip on the E edge of the trench – the soil has stony fill as T'.

Q': Narrow E edge of bedrock & stones at 20 as T. Here bedrock is cut away in a curve N, forming a gully – the broken piece lies where it fell. The rock continues to skirt the E of the trench; the fill is the same ~~except for a large flat stone in the N W corner~~

X': Rock & fill same (bedrock edge lower, earth & block earth rises to height) 30 cm above bedrock, broken here; on W and also earth deeper to stone fill (35 cm). In N W corner, flat stone. In N end of bedrock strip a deep vertical cutting.

Ω': Here again the end of the wall appeared, at 20 cm. The stones are somewhat uneven in shape, but the N corner is good. No ceramic yet appeared.

F': Continuation of wall in S half; to N bedrock ~~to surface, cut from wall.~~ P. 35

Trench 3

Δ': This section drops, 75 meters to the S and 165 to the north, to bed rock, which is smooth in the E and rougher in the west, but level. The great stone at the N, extending into E, is part of a pier, made 日 of three corners. A little within the N side of the wall is ~~of course~~ the face of a small stone wall flush with the piers.

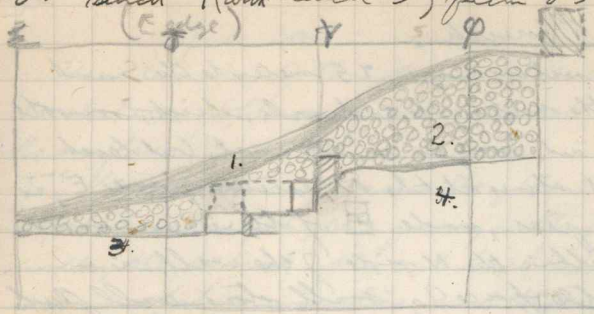
E': Here same as D, with great rock. On S side the rock is cut, 11 to the trench wall & just within it – it rises from there on S to a height of 30 cm (E end) sloping to 10 (W end). In the SE corner, against this cutting, is part of a pot similar to those ~~have~~ already taken.

E': This, a S extension of E, carries the rock floor very uniformly to the S, where the soil is 40 cm. above it. Above the rock floor some 10 cm. coarse bed of stones, covering them are architectural coping frag. similar to those in T. The W central part is cut out into a roughly pot-shaped hole, 60 diam, 40 deep.

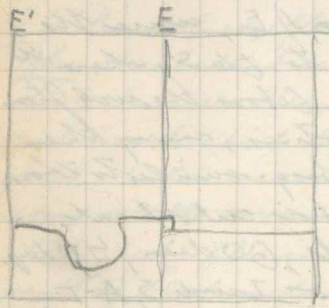
Trench 1, T-Y – Trench 3, Δ-E

Next page.

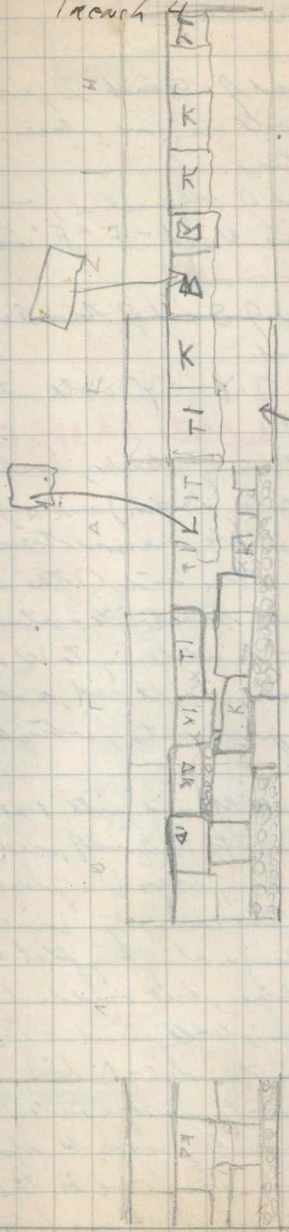
Trench 1 (with trench 3) from 33 Bodyke



- Black over-soil - Str 1.
- Reddish soil with broken, fallen stones - Str 2
- Loosely built stone wall on filling
- Line of foundations in E part of Tr 1
- Line supplied by parts of Tr. 3
- North wall



Trench 4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K
K

Trench 2

June 6th

Photo ii, 32: N end of trench 2, with widening down below stone fill in some places, only top soil removed in others.

Photo ii, 33: S end of trench 2, same state.

Photo ii, 34: Extreme N end - F - F' widening - with first stratum removed.

Photo ii, 35: View of S end of trench with last stratum removed

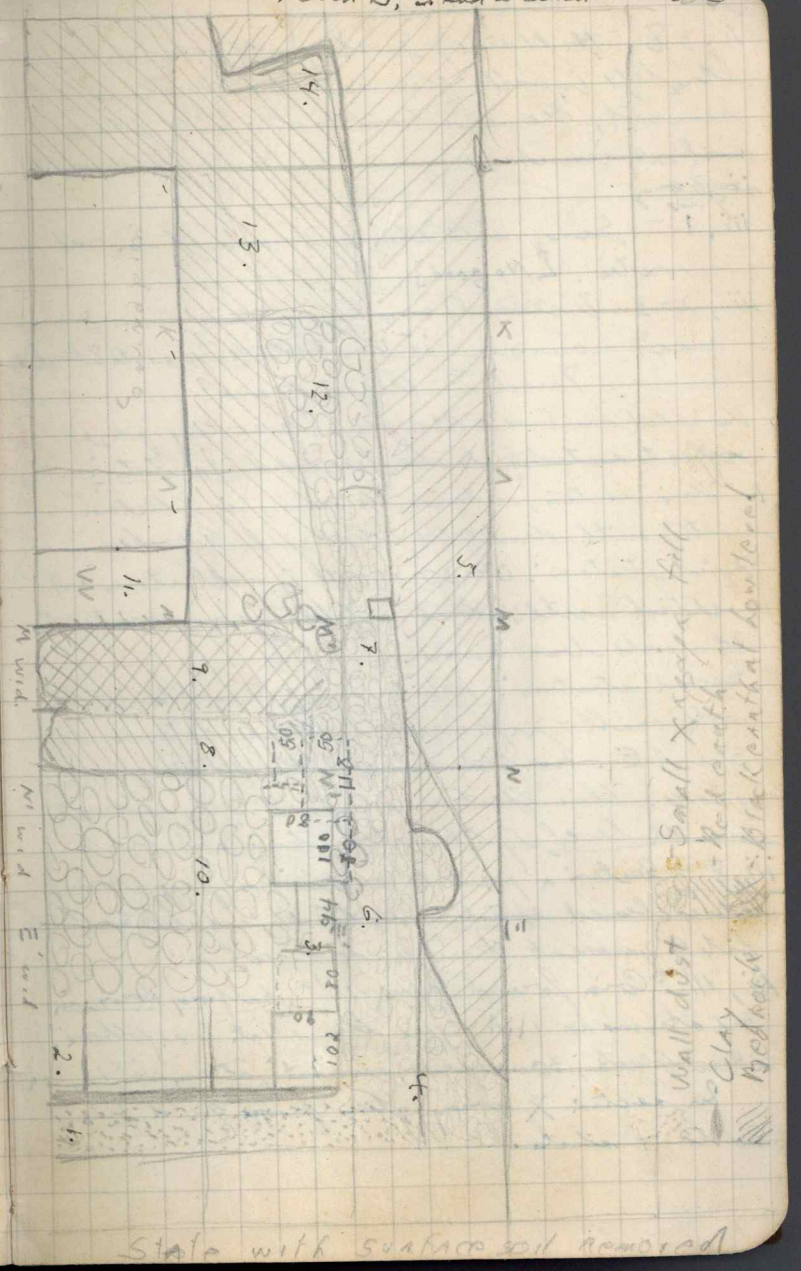
June 7th

Photo ii, 36: View of Y - Ψ with stratum of black earth removed. L303 S41160, P1128 ft. N. 326

June 7th Today a great many sherds, including at least (nearly complete, broken) and a fragment of glass, were found in the narrow trench S of the S. wall. On the other side of the wall two types of earth - red & black-with-stones, were revealed. In K - Λ widening to W there are three strata - black, light red, & deep red, over the plastered pavements, which slope evidently to the E.

ii 37 - View of M' and M' wid with 1-at stratum and deep blackearth removed, red left.

In sections I - Λ are many traces of a plaster pavement, which however was evidently ruined in antiquity; it contains always very flat and even around the I-K line, but suddenly drops off, to disappear entirely and rise up at a slant again in the N' - Λ' line. Below it was a bed of sandy soil; in some parts of Λ' there appear to be 2 pavements, one set about 4 cm over the other. A coin was found in the very SW corner of trapp: this morning, on a line with the pavement but just N of it.



Trench 2.

ii, 38 - N. N side of S wall, with section of stone left by wall, then section with stone removed, the additional metre with black soil only removed.

~~ii, 39 - 8 quite~~

iii, 1 - Same, with stones 2 removed in add. metre. [No good]

iii, 2-3 Views of complete elevation from E near corner iv View from 6 (opp. p.) with S elevation

Trench 2 - Report: Sand

The inked numbers on the plan (preceding page) refer to sections to be described in toto:

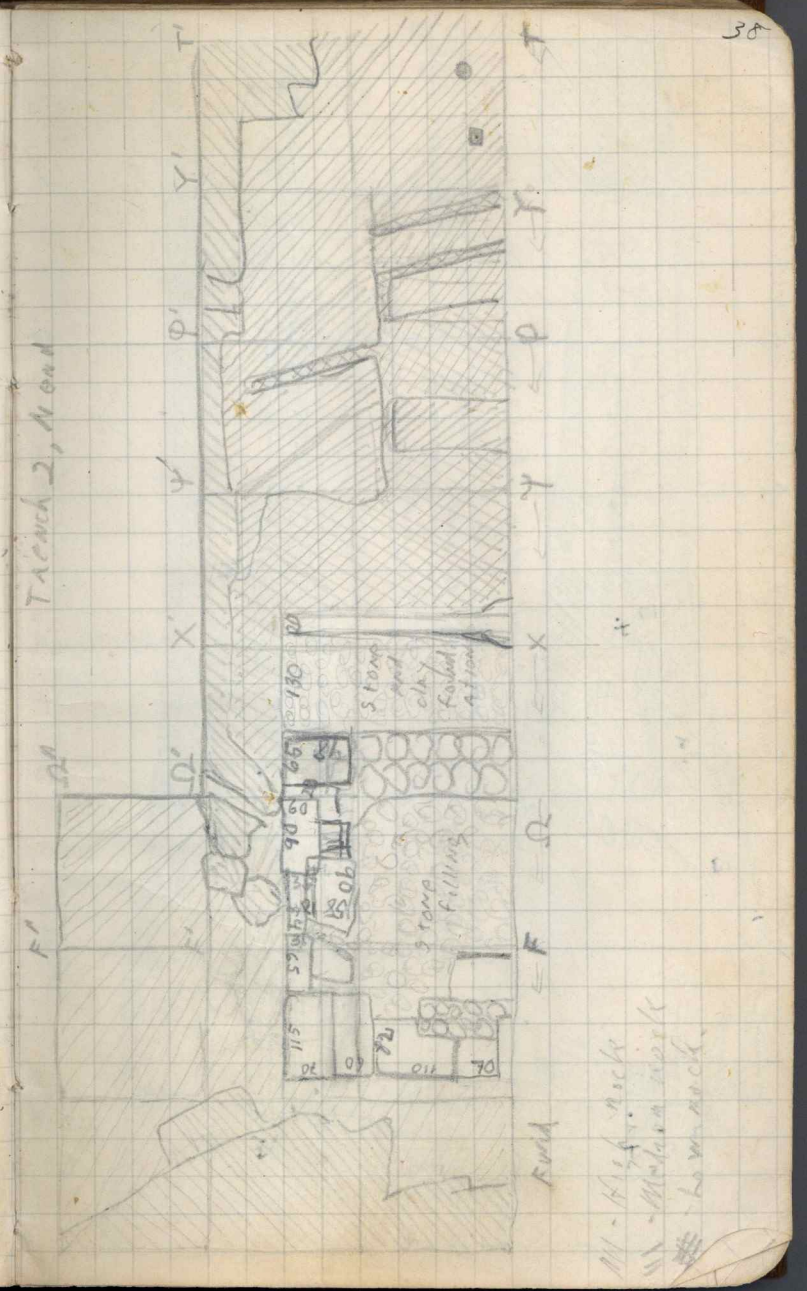
1. This section, outside the wall, is filled mostly with dust of the rotted sill blocks. First stratum: 0 - 30 - 7 fill of wall stone and reddish earth, which extends up over section 2. & slants down S and.

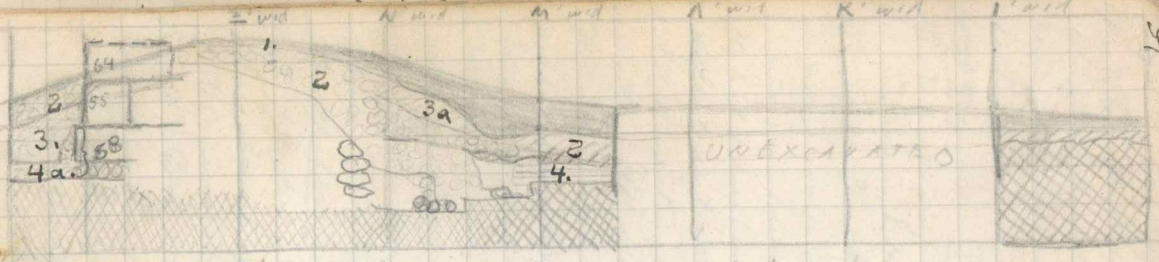
Second stratum: White dust of wall mixed with wall - ~~xxpxxpx~~ fill which extends to S and E. From this considerable pottery and glass. This stratum slants at 30, which is the level of the "entry way" end-blocks

iii, 8 - Section a point N. on previous page, showing stones cleared extending "south" N, and broken fill of pavement through sill section.

iii, 11 - Coin found June 10th, halfway down in 3rd stratum in A A. Here the strat. is as follows: 24 cm black; 30 cm. mixed; pavement; 25 cm coin; 12, wh.

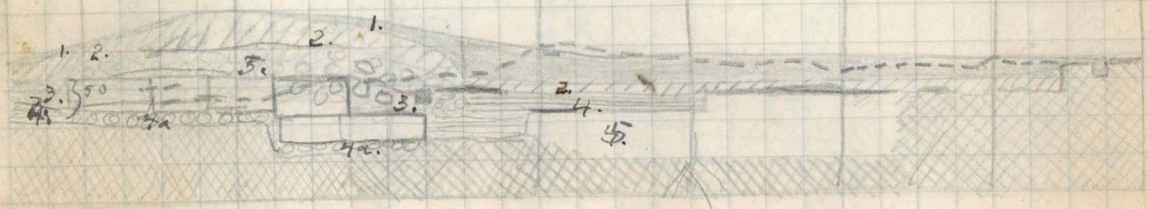
Sec section X many glass frags found, from 2 to 4 strata.



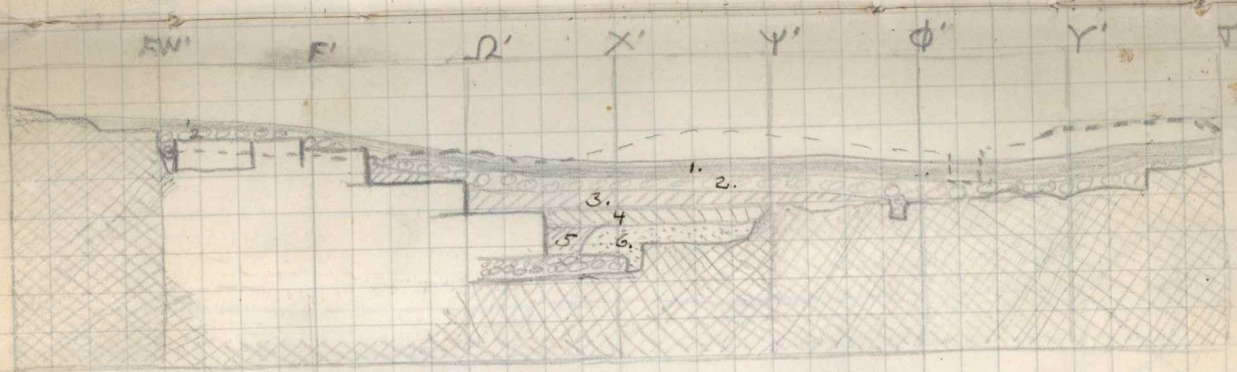


South trench two, at west edge of trench.

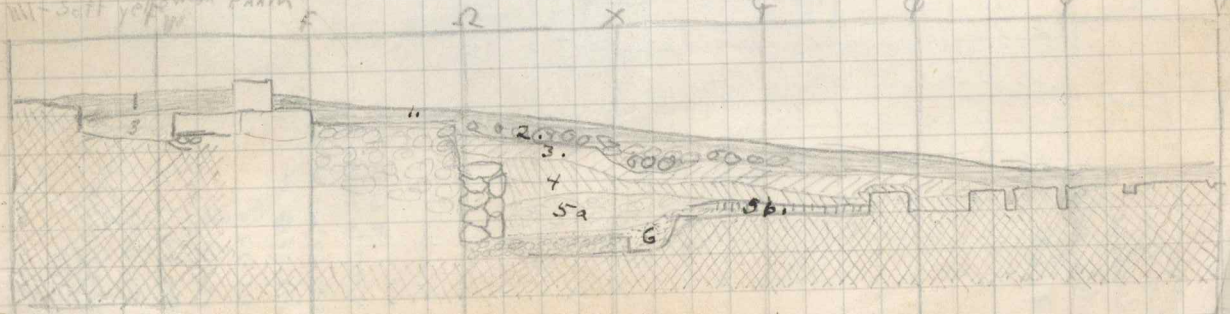
Clay
Black earth
Red earth
Red rock
Smallish stones and sod earth
Pavement
Sandy soil
Small objects
Line of E bedrock ledge.



Trench Two South end.



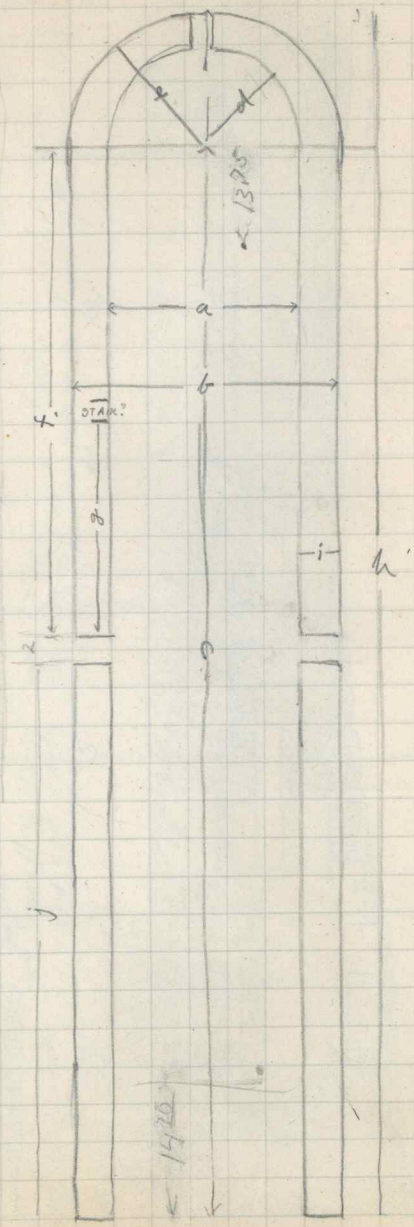
Mod. small stones - hard earth
Soft yellow earth



Trench two north end.

Inner radius of Splendone by strip sticks

12.22



a: 24.40 {E 24.29 W: 24.44

b: E35.67; mid 35.78

c: 215.28 ⊕

d: 12.22 ⊕

e: 18.00 ⊕

f: 96.93

g: 51.63

h: 233.25 ⊕

i: 5.85

l: 114.13

583
215.28
12.22
233.35
5 5 5
227.50

43

~~Trench~~ Trench 5 (S.W.)

June 8th

iii, 5: Trench with surface soil removed

iii. 9 - Trench with soil cleared to latest beds

iii, 5

III, 9

44

Trench 6 (N.W.)

June 8th

~~HR~~ ii, 39: With top soil removed at W. side and E. end exhibited.

iii, 6: With second soil removed.

iii, 7: With first course laid bare

P1124 and sherds in situ in orig. site

June 9th: One piece of stone, bone & oyster shells, coin.

iii, 10 - View of Mound with excavation

III, 10

II, 39 - Seen above

III, 6

Trench 7 - "South door"

iii, 12 - A-Δ Trench with upper soil removed, showing fallen stones.

iii, 17 Trench A-Δ with second slab removed, Z-Hearth top soil removed.

ii, 30 and 31 - Views of door with upper bed of stones removed - from S + W.

ii, 35 - View from south with most of ~~xxx~~ removed

iv, 4 - ~~North~~ Outside door, with all top earth removed, stone in place.

Heights from point recorded p. 48.

Block of outer wall about 4 metres W of trench : 0,93

Large hawara block by SW corner of door - 1,88

SW corner-stone of door - 2,66

~~Xa Bx Cx~~ floor in doorway - 3,28

Highest wall block E of trench - 1,08

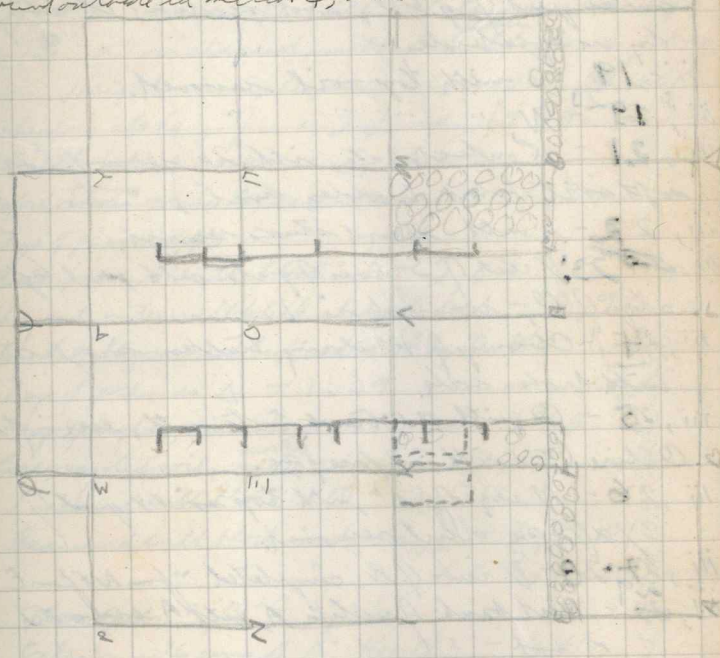
June 16th

The soil here is for some distance disturbed, due both to earlier quarrying and the tree which grew right in the centre of the doorway and whose roots extend everywhere in the fill.

The soil all about is black from the roots, but badly disturbed. Within the doorway at c. 20cm, the black earth is mixed in with hawara, which may have been part of the door paving; but the tree-roots have broken the fill all apart. We are removing this top hawara along with the black earth, and also clearing A-Δ.

June 17th Two cuttystein blocks are preserved in A 75,

but the foundation course of the ~~gate~~ has appeared in T.O.A and Σ-Ξ-K, - square cut blocks forming the wall cutting to E + W. The hawara which we have been removing is merely the remains of the gate pavement, filling the space between these foundation courses. The hawara is full of sherds, mostly pipes. A ~~pan~~ inscribed ~~vase~~ pan outside in section Φ, when hawara seems to ceases



June 17th In alpha + delta we have reached a hard surface of red earth with white pebbles, to which I shall clear. The foundations of the cuttystein appear, similar to those in trench I south; the filling of the retaining section also remains.

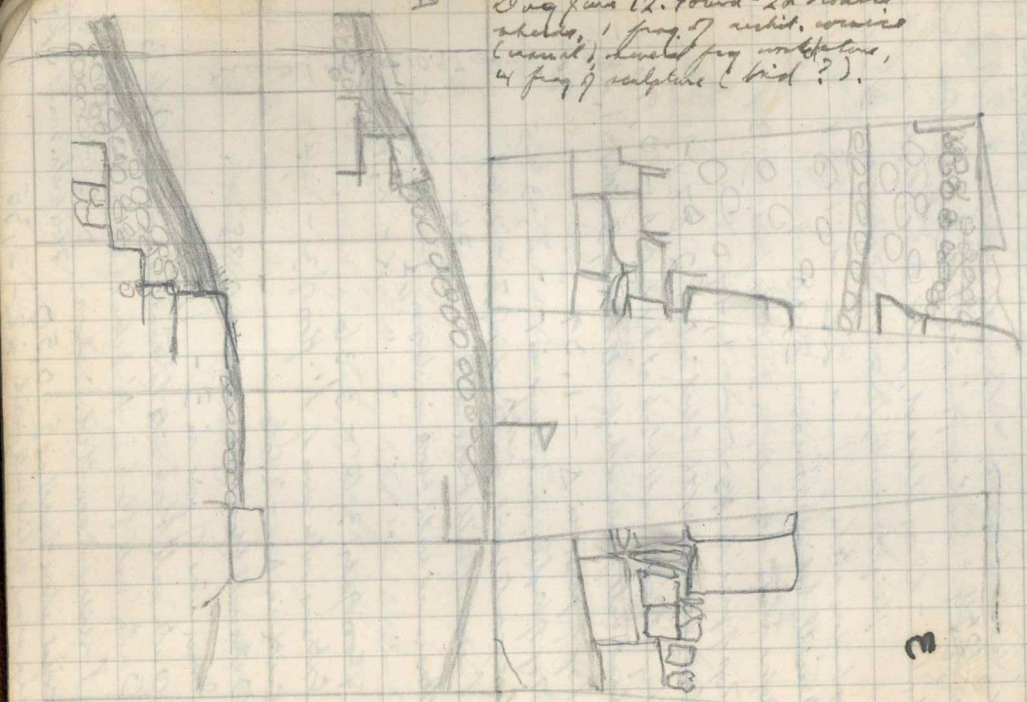
iii, 13: A cleared to earth wt.
iii, 14: Γ " " "
iii, 15: O and 17 (old trench 6) cleared to ext+ earth.
iii, 16: Old trench 5 cleared down to wall+earth.
iii, 18 & 20 ~~19~~ Small section between Λ and K, ~~about~~ No good before earth, cleared to level of stones.
iii, ~~21~~ 18: K', showing pavement where preserved, outer part of gate, and section A decided by us yesterday.
iii, ~~19~~ O with top soil removed.
iii, ~~19~~ 20 N " " "
iii, 21 - K outside gate, with 2a removed (2a: soft soil below trodden level).
iii, 22 - Λ with second stone removed
iii, ~~23~~ View of S corner of gate with soil left on top of O, removed as 1.
iii, 24 - Close-up of K' showing trodden dirt level with broken rock.
iii, 25 - O, with old trench 5 to earth, evening to O line (E) with surface gone.
iii, 26 - N edge of Λ', with top soil + part of χαβάρα dust removed.
iii, 27 & 28 - Views of N completed - from N + from E
iii, ~~28~~ 29 - West bank of section A, with A evacuated to rock.
iii, 32 Section 2, 1st earth removed.
iii, 33 - section N cleared with part of recta stone left in it.
iii, 34 - Γ and Γ, with Γ cleared.
iii, 36+37 - Threshing floor between Γ + N.
June 13th K' in doorway on bedrock, small coin.

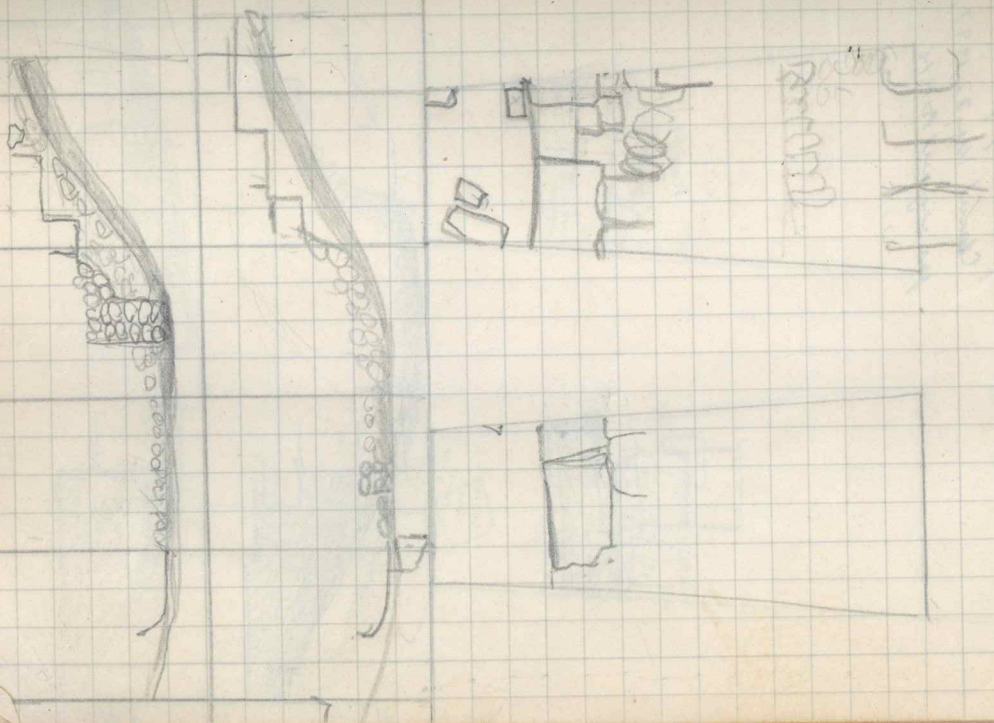
In Λ', 60 cm. W of the outer wall and 40 below top preserved course, right on road and gateway, a paste bed. Here wall and at slightly higher level, in soft red soil, a glass bead - little.
iv, 3 - Section O' with 1st str. removed
~~iv, 5 " " " " " " (double)~~
iv, 6 ~~(stone)~~ - B with all blocked earth around
iv, ~~8+4~~ 10+11 - Section H' with 1st str. gone, stone left
iv, 13 - Door cleared, with two blocks in place.

Heights in Sphendone - Taken from B wall sphendone stoke; June 22nd, 1939
Virgin bed behind κάθισος - 3,30
Before ~~stone~~ trimming stoke B, on 3rd str. floor. 3,34
Top of pier in Β-Γ — 1,44
Last preserved earth block in Δ - 2,87
Highest outer wall block at edge of B-A - 0,96
Last well preserved height wall block by O stoke - 1,28 3,35
Top of pier in Δ — 1,39
Top of highest, ninth course in Γ - 2,345
Excavated soil, ~~south~~ north edge of Z - 2,69
Preserved earth block in O - 2,74
Preserved earth block in doorway, I - 2,725
" " " " " K - 2,725
Floor of str. 3, O' - 3,36
Extreme outer curve of Λ' - floor of 3 - 3,40
Earth in Λ - 2,66
Outer wall block by N stoke - 0,88
Inner stone of pier in Ξ - 1,41
Outer wall block with last earth wall point: 0,62 ~~redjuke~~
Outer wall block in Λ' below M stoke - 2,14
Preserved earth col. in door - 2,75
Floor of str. 3 in Σ - 3,27
Highest stone of wall in Σ - 0,50
Large stone behind earth in str. in Σ - 2,35

In central area at 10.97 stoke 3,35 3,38

Over layer 12. Found - 2 or 3 coarse sherds, 1 frag. of white coarse (sand), burnt frag. unidentified, 4 frags of calcined (bird ?).





51 E Splendome Z

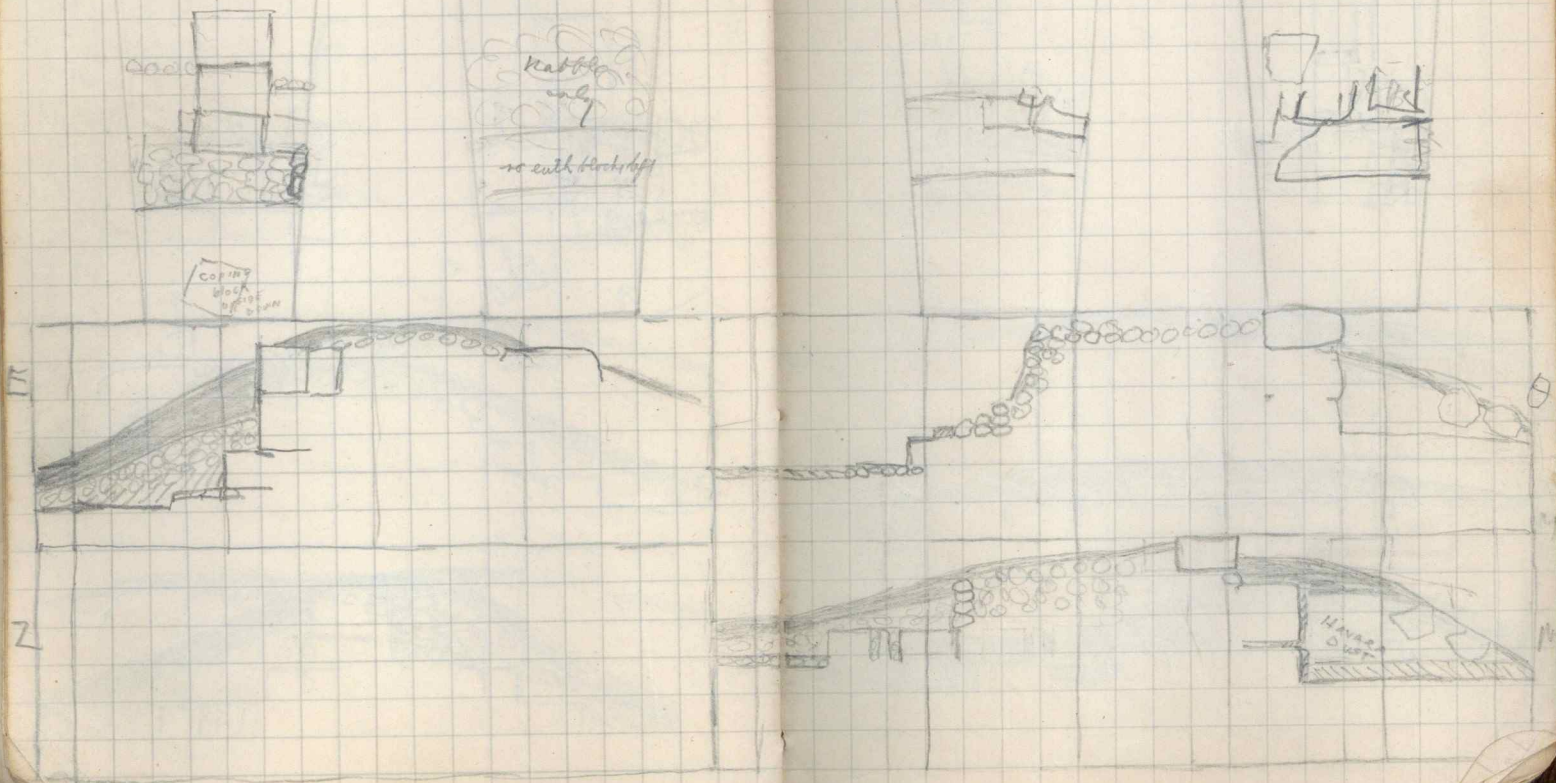
Left as many Typ
Cleared May 22, 1947,
per request B.H.H.

Rubble only

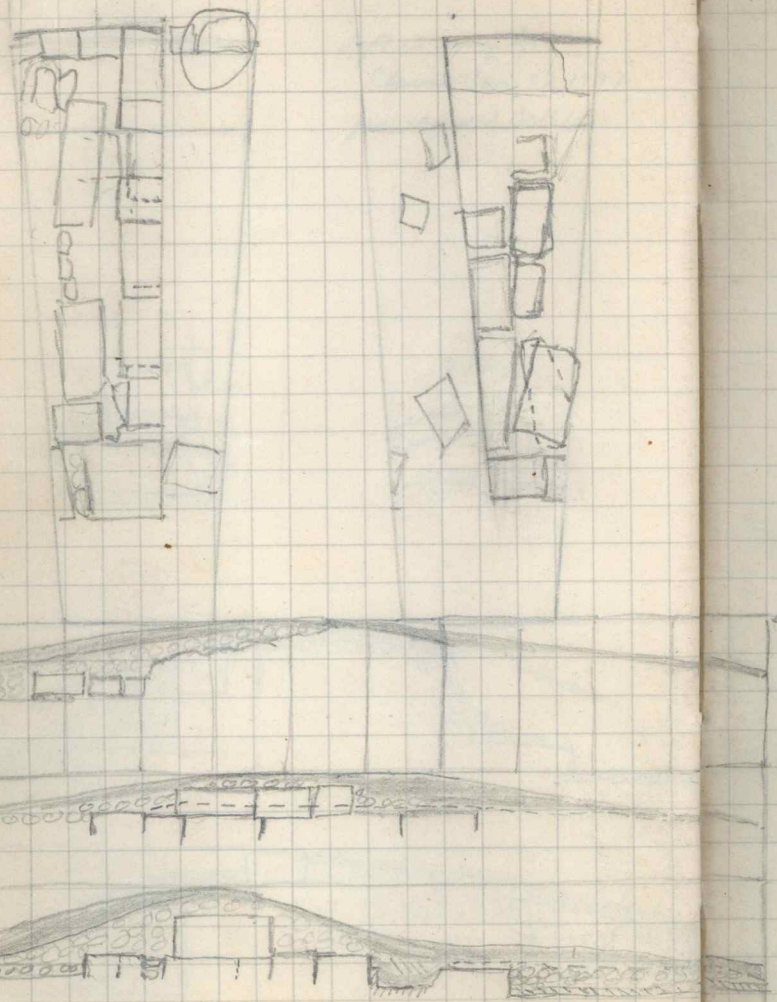
no earth backfill

COPING

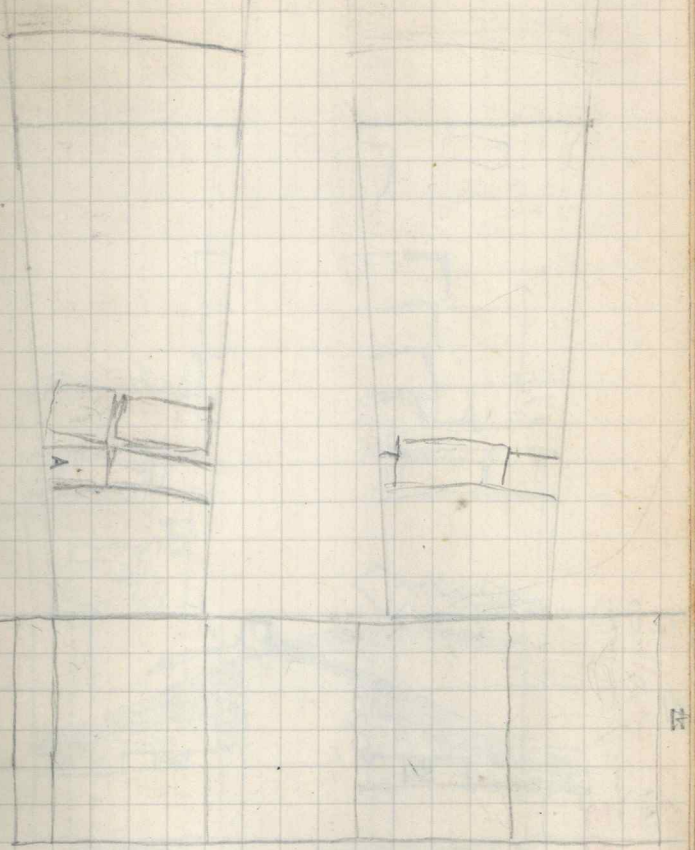
Splendome H D



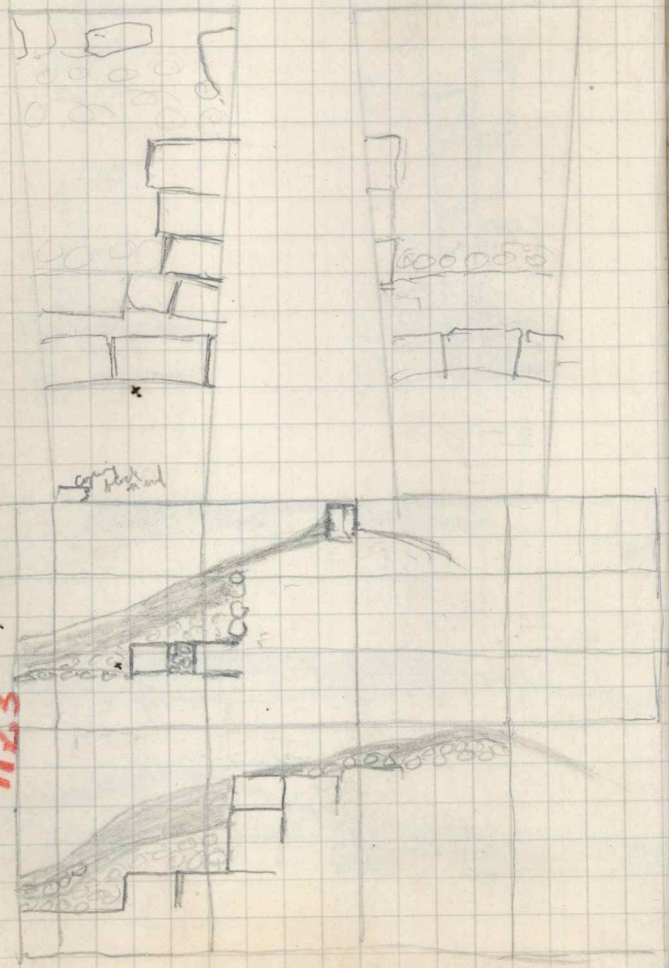
53 1 Sphéidome K



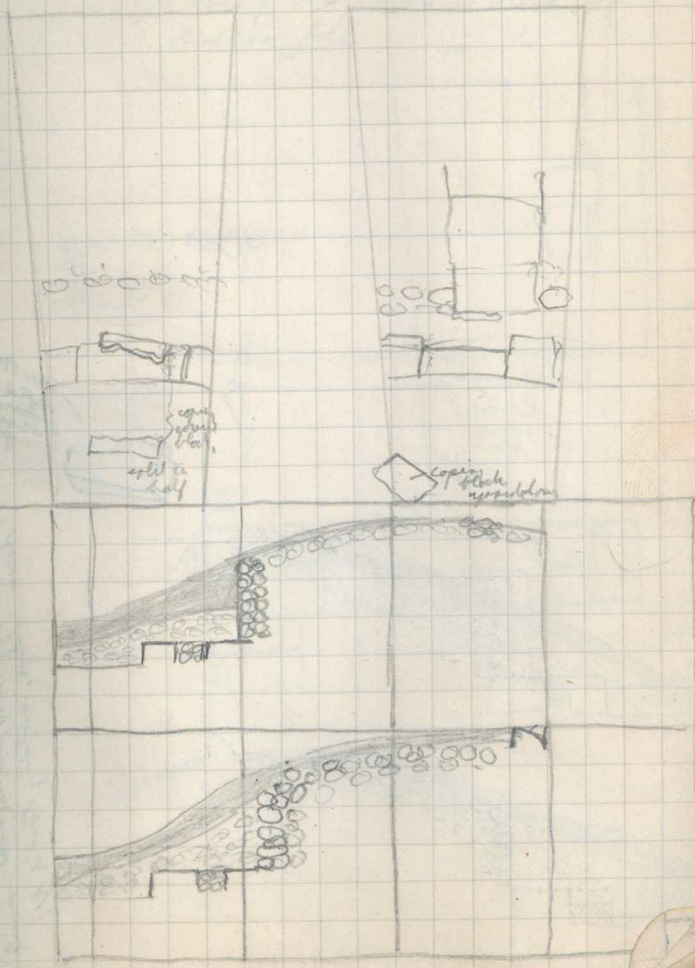
1 Sphéidome M



535 N Ephesus Ξ



O Ephesus Π



E37 P Siphnandone E0

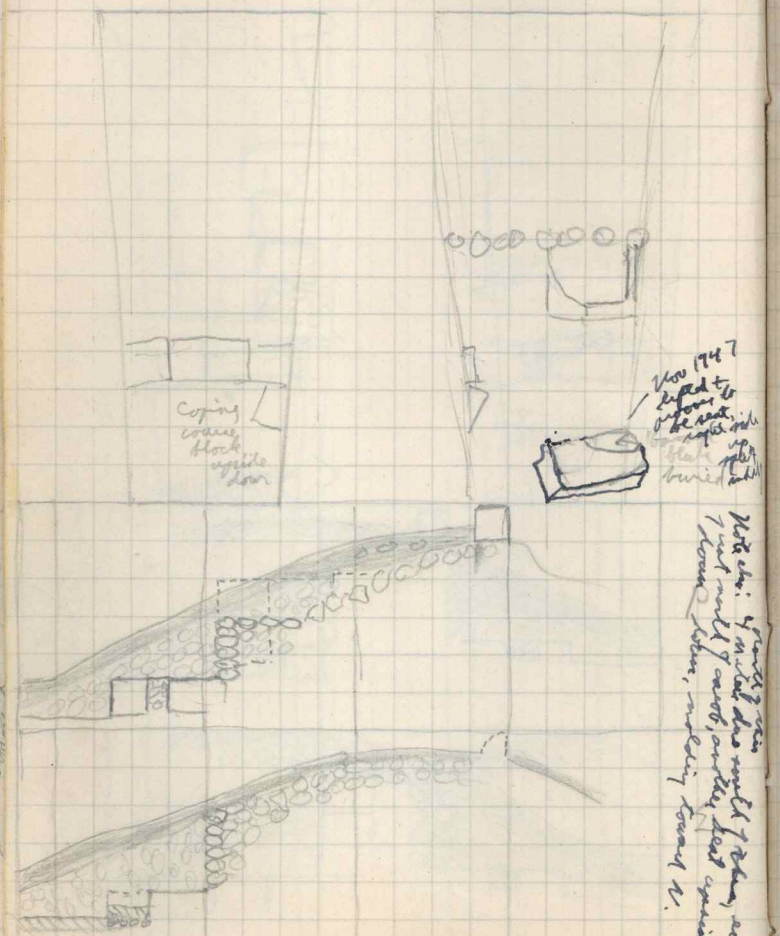


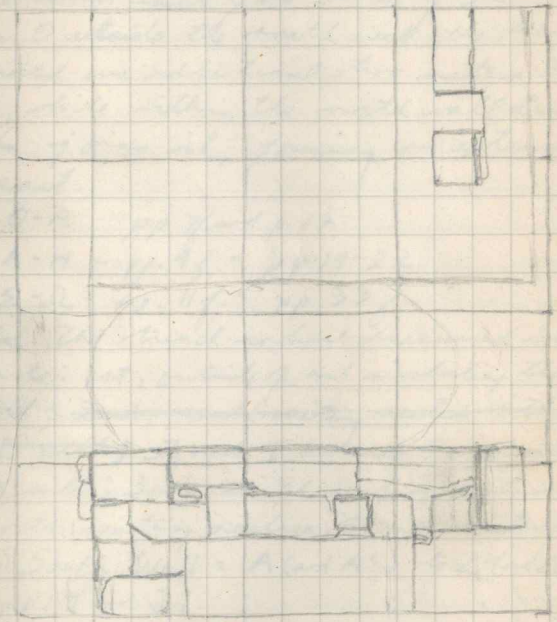
Photo cliv: Trench 7 from N, showing middle course of inside face of wall, and outside, lost opening. Looking S. Looking down, modern ground N.

Trench 8 - [illegible] Door. 58

Photo iv, 1 - A-Δ with mortar and stone-chippings removed - from W

iv, 2 - [illegible] B·T from S, showing Xα/β/γ/δ layers in door & dark. fog in city

iv, 7 + 9 - [illegible] door with W side cleared, Xα/β/γ/δ left in doorway & earth left over E side of T, even with base of 2nd course block, coin in Xα/β/γ/δ, disturbed fill



Trench 8 - North Wing

Summary of Trench 1

DATE: Excavated May 23rd - June 2nd, 1939 [Section A'-Δ' intermittently until

REGION: This trench extends, as a strip two meters wide, S-N across entire stadium, starting about 7 meters south of the outer face of the south wall and extending about the same distance beyond the north wall. The trench is located at a point somewhat east of the center of the stadium. Outside the south wall the trench was extended an additional two meters to the west, while within the north wall trench 3 ~~extends~~ joins it, forming an extension to the east.

Notebook: O-P - pp 7f. and p. 17
A-H - pp. 9f. " pp 19-22
Σ-Ω - pp. 11f. " pp 33f.

Description: The trench is best discussed in five parts: 1st, outside of and including the south wall; ~~2nd, continuing section within the south wall~~; 2nd, outside of and including the north wall; 3rd, south seating section; 4th, north seating section; 5th across track.

South Wall = A (and A') to Δ (and Δ').

Plans on pp 19 and 21.

Stratification

STRATUM 1: This layer of surface soil is actually composed of the dust of the rotting ~~X~~ adobe walls, and though stained black by vegetation is not a true stratum but only part of the gradual accumulation which stratum 2 began. The surface soil

is blackened for a depth of about 20 cm. down the slope. Within A-A', ~~the~~ where the area of wall debris stops, stratum one and two became all dark and rapidly thin down to only 7 cm. of surface earth at the south edge of the trench. The stratum was thereon with large fallen wall blocks (plan p. 19), which extend some on the surface, some at various levels extending into stratum 2.

STRATUM 2: This stratum, actually one with stratum 1, is completely composed of χαβάρα dust, very light tan in color, and fallen wall blocks and fragments. Close to the wall it sinks to a depth of 80 cm, which rapidly dwindles, merging into stratum 1 on the north edge of B-B' and from there runs out into ordinary surface earth. The stratum is filled with undulating rain-beaten surfaces, representing centuries of gradual wall disintegration. The ~~last~~ bottom of these accumulated strata was definite enough in section B'-Δ' to be separately excavated as stratum 2a, which was a harder pack and though mostly of χαβάρα was of a deep red color owing to a mixture of red soil like that of stratum 3.

STRATUM 3: This is a uniform layer of light red earth, 20 cm. thick continuously from Δ to the north edge of A, where it dwindles away. Within Δ, near the wall, it twists sharply upward over the mud coating (str. 6). The soil is further characterized by small

and rather sparse χαβάρα chips and pebbles, and numerous sherds. Its surface is even but not hard packed.

Stratum 4: This hard-packed fill, about ten centimeters thick, is composed of a deep red earth and copious χαβάρα chips. Its upper surface was tightly packed and weather-worn, undulating slightly in conformance with the ground below it. In Δ it drops sharply to disappear below the mud coat (6). In the eastern part of section A'-Δ' the layer divided into a narrow upper band of earth with sparse chips (4a) and a lower band almost entirely of chips (4b). In the western part of these same sections the stratification was disturbed by a large wall block resting on 4b between F and Δ; south of this stone 3 was very narrow and 4a extended almost to the top surface of the block; the soil may have been cut through here.

Stratum 5: This final, trodden and extremely hard packed deposit of red earth and stones, lies upon is of a thickness of about 10 cm.; it covers the higher parts of the bed-rock and the bright red stucco that fills the bed-rock depressions. It extends to the wall foundation of small stones, which were set into it, apparently on bed-rock.

"Stratum 6": This is not a stratum but a coating thick bearing of mud and stones against the faint wall coarse. It rests on stratum 4 and stratum three extends thinly above it.

Development of Stratification - A - D

This stratification, the most definite and complex within the stadium, and is quite certainly apparent in its relative chronology. Stratum five is a gradual accumulation of earth upon bedrock or rotted-bedrock soil, at a time when the region was frequented but prior to the south stadium wall. This earth was cut away to lay the stone foundation of the wall. The trimming of the wall blocks then produced stratum 4b, a layer of chips, and earth strewn or blown over this and hard stamped formed the surface of 4a at the early period of the stadium use. Over these chips and against the wall, but before 4a had accumulated in full, an embankment of mud and stone was plastered against the first ~~course~~ course of the wall.

During the period of the ~~stadium's~~ greatest use stratum 4 accumulated, and for some time was kept at its level and stamped hard. A later period, when the stadium was used less frequently, saw the accumulation, by the wind from the sea, of stratum 3, which gradually rose over the mud embankment and obscured course one. Upon this long-period accumulation, finally, the upper wall blocks tumbled and rotted with the wall, a process which gradually produced the thick embankment of strata 2 and 7. With stratum 1 the embankment reached the fourth and last.

preserved course of the wall and accumulation more or less stopped, while thick vegetation covered the slope.

South Wall

The heavy wall, built of ~~x~~ xbaipa stone, is preserved ~~to the~~ at the trench 6 four courses. The number of fallen stones testify to at least another course, quite possibly two more. The soft limestones, especially subject to corrosion when in the red earth, has so rotted away and "melted" together that its precise construction is not at once visible; within it has not been cleared to the lower courses for fear of collapse.

The wall was laid upon a low foundation of field stones and sandy clay; which apparently rests on bedrock. The first course lying upon it, ~~cm.~~ high, was protected by an outer embankment of mud and stone (stratum 6"), which extended up over the join of the second course. The wall is double, apparently of headers and stretchers, which are cemented together by a soft white mortar (without sand or pebbles). The second course may have been set in a few centimeters from the first, but its surface is gone and the difference is possibly to be attributed to the greater erosion ~~beyond~~ above the clay embankment which preserves the original face of the first course. The third course is even more badly rotted, and of the fourth little but the core remains. A block, almost fallen from the top course, was tipped back into place. The heights are:

Course 1: 56 cm. Course 2: 56 cm. Course 3: 70 cm. Course 4: 56 cm.

Trench 7 Section 1

Small finds and pottery from A(+A')-Δ(+Δ').

Stratum 1: P 1121+1122 (Two Byz. cooking pots)
Sh 62+63 (63 = hand-made pitcher; 62 Hell. cup.)
Sh 1294 (ribbed); T 2502 (horse);

Stratum 3: M 258 (ferrule); L 302 - Type ; M: 345a (glass)
C 1001 (Antonina); Sh 1187 (R.G.); Sh 1255 (rim)

Stratum 4: Sh 1151 (incsc); Sh 1301 (painted)
46: M 256 (pin)

Stratum 5: Sh 1156 (cooking pot); Sh 1229 (handle);

II, 11: A-Δ with str. 4 rem. A'-Δ' with 2 + 3 rem. cf p. 22

II, 25: A'-Δ' - cf p. 22

II, 1: Fallen wall blocks (from above) in Δ'-A', str. 2 removed

II, 2 - Same as II, 1, from the South

II, 3 B'-Δ', with stratum 3 removed in B-Δ.

II, 7: A-A'-Δ-Δ'. See p. 20 for stage of excavation

Trench 7

~~South Scarp~~

I, 17

I-18

I-22 A-Δ, earth cleared from around fallen wall blocks

↑ A-Δ, top soil removed →

I-25 Top preserved course of wall from S, showing splintering

I, 26 } Fallen wall blocks completely cleared
I, 27 }

I, 35: Coin no. c. 1001 in situ in Γ

I, 33: A-Δ with stratum 2 + blocks removed

(315)

Trench I – 2

North Wall (Φ-Ω)

(Section Ω has not been touched. This niche has not been completely excavated).

Plans pp. 11 f.

Stratification

Because of a great amount of brush-roots here and lack of wind drift, the stratification is not as promising as is that to the south.

Stratum 1: Black humus, filled with roots.

This stratum is, like 1 on the north side, the upper part of the havana dust of which 2 is also composed. Because of a large bush which grew above it, it goes deeper (as much as 40 cm) and is less clearly divided from 2. On its surface these fallen wall blocks rested, only one slightly imbedded.

Stratum 2: This thick layer of Xa pápa dust here almost pure white, contain broken pieces of wall block but no sherds or intrusions. It resembles I-Δ 2 in height & appearance.

Stratum 3: This is a stratum of soft earth, varying in color from red to black. It is directly below one in northern X, and to the south merges into the Xa pápa, which it tinges red at its lowest level.

Stratum 4: Mud & stone embankment, as Δ 6

Stratum 5: We dig only to the surface of this stratum, which is composed of sifted earth and small stones.

North Wall

The wall itself is similar to the south wall. A detailed description must await further excavation.

I,23 Fallen wall blocks with earth removed.

I,31: Φ-Ψ with havana dust and top black soil removed

Trench 7

Small finds and Pottery from Φ-Ω

Stratum 3: L 304 (type

South Seating Section - Δ-Θ

Plans 119-10, p. 21

Stratification

This trench, the first opened within the walls, has been cleaned down further than any other similar section. The stratification here received a different numbering than elsewhere within the walls.

Stratum 1: this agrees with other such sheets. It is reddish soil turned black by vegetation in some places. It is lacking in E, where a path along the wall kept the surface clean; in 2 the depth is only c. 10 cms. In Z it gains great depth where wind-and-rain carried soil filled in the hollow where the ancient filling dropped. The layer swells to 50 cm depth, then shallows away in it 10 cm. in 1. The stratum is disturbed and of little stratographic value.

Stratum 2: This is a sectin of clayey red earth, actually rotted bedrock, which forms stratum 1c in the track but disappears in section Θ, where it was carried up over the fallen debris of the wall gradually, probably by rain.

Stratum 3: Within the wall 3 corresponds very nearly to 2c outside in appearance. It is composed of medium sized rough rubble stones and their dust; it drops about 1,50 m with the wall in delta, gradually thinning out. Its fallen remains end in H.

Stratum 4: this stratum of light red earth

Stratum 4 cont. and small xx/bajas chips corresponds well with 4 south of the wall. It extends from H to I, its surface parallel with the outer line of foundation in Z. It has been partially left in I as a sample. It is quite even, of about 20 cm. in depth. It may extend beneath the fill of E-Z (5) which has not been removed. It divides into several hard-packed, thin layers, which are not apparent enough, however, to be dug separately.

"Stratum 5": This is apparently of fill of stones packed tightly with light red earth. It is found below the loose xx/pajas of 3 in sections D to Z, held back by the two foundation walls in Z and rising gradually from them to the wall. It has not been disturbed as yet.

Development of Stratification, A-O

Stratum 7 is ordinary surface-soil, produced by wind, rain, and plants to fill out hollows and cover the slope left by the wall. Stratum 2, of rotted bedrock from the cutting of the trench, is probably merely an uncovered continuation of stratum 7, actually its earliest accumulation. Stratum 3 is certainly the filling of the original seating section which was held in place by the wall and the two corner which once stood in Z. It has since fallen, when the stones were taken removed, out over O. Stratum 4 has obviously within it chips from building operations, and was as surely on this the surface. Further excavation in D-Z and study of sherds are yet needed for its accurate placing. Stratum 5 is the hard-packed foundation for the fill above it, in it is undisturbed ancient state. This fill is of large rough stones tightly packed with red earth. Near the wall it was partially cut away. It slopes to a depth of about a meter, well below the wall, which rests upon similar foundations. At the very bottom is a coating of grey sea-mud.

Trench 1.

Architecture A-H

Although the architectural blocks have been almost completely removed here in later time, the foundations remaining give some information as to the construction in this section. About 4.10 meters in from the wall, running parallel to it and apparently on the bedrock level grounded on bedrock a foundation-wall of smallish field-stones was placed (W1). It rises only about 20 cms. and N of it, level with it, extends stratum 4. Parallel to this wall and north of it a similar foundation wall was laid, rising to a height of 10 cm. above the spoil wall. (W2) Between these two walls, level with the northern one's top surface, stones and reddish clay like earth were tightly packed; the same sort of packing was used between the inner northern wall and the inner face of the great wall; this packing rose in height, going northwards, forming an embankment rising from the level of the surface of the central foundation wall some 60 cm to the main wall, which in joins in the center of the second course.

Upon the northern foundation wall, as we know from other sections, the earthy criteria course was laid, while upon the central wall foundation a wall rose to at least two courses. The section between the earthy criteria wall and the first course of the central wall was then filled in. Upon these courses the seats must have arisen, and behind these was thrown in the filling of stones which is here fallen in (stratum 3).

Another feature evident in this trench is a rough rubble wall, designed to hold the loose stone filling better in place (W3). This runs along the W side of the trench; close to the wall in D it rises to a preserved height almost even with the top of the 4th wall course and extends at about this height throughout E. In F it drops downward and apparently ends in the center of this square. The wall is loosely made of large untrimmed chunks of broken αβάρα except for one squared αβάρα stone, level with and adjoining the fourth course of the outer wall and resting on the rough wall below (p. 21, W3). Apparently such ribs were built up at intervals before the filling was thrown in. The cobbles upon the floor of stratum 5, parallel to the top of the 1st wall course.

Trench 1, Δ-Θ-3

Small finds, pottery, etc.

Architectural Fragments

On p. 19 four fragments are recorded. Two (2+3) are insignificant chips of trimmed stone; the others (1 and 4) are pieces of the euthynteria blocks which we know from other sections; they were found lying (at points marked) over the euthynteria foundations; they are certainly left by the quarrymen who, in an early period removed these blocks and trimmed them, on the site, of their unwieldy projections for re-use. They have now been labelled A1 and A2

A1: Two-and-square fragment of euth. block. Trench 1, H stratum 3 at x1" ~~and 4~~" (p. 9)

A2: Two-and-square euth. block. Same at x4"

Stratum 2: ~~34~~ 3456 (glass)

Stratum 3: Sh 1302 (disk); Sh 1236 (handle),

Stratum 4: L 305 (type:

I, 20
Δ-Θ, top soil removed

II, 8: Θ-Δ showing euthynteria foundations

I-28 Δ-Θ "Stratum 2" removed

I, 32 Coping fragg. in situ in H

II, 9: Same as II, 8-Δ-H

II, 10: W side at trench, Δ-Z

North Seating Section, Ξ-Φ

Plans p. 11, 17, 33

STRATIFICATION

The strata here are similar to the south section. Stratum 1 above the sanpane earth, red burned flecks, is lacking in Φ, 10-20 cm in Υ, and widening to 40 cm. in Τ and Σ.

"Stratum 2" is actually the fallen stone and earth of the wall filling, as in the south side.

Stratum 3, deviod of the bases of the earthy interior course blocks, is red soil with χαλίκια chips, similar to 4 in the S.

Stratum 4 is the hard pack of stone and earth held back by the outer inner walls - it corresponds to 5 in the south.

Neither 4 nor 3 have been excavated.

Architecture Τ-Φ.

W1: This wall rests on a foundation of field-stones about 4/10 m. south of the inner face of the North end running N to it, corresponding to W1 in the south section. The wall is composed of a series of squared blocks of granular poros-stone. The blocks form a course 36 high and of a width varying from 52 m. to 65 m. The top south edge is trimmed down to form a straight surface-line about 6 cm. in from the external edge. The course is there shown to be the earthy interior; prepared to take another course upon it.

W2: This wall, which undoubtedly rests on foundations such as W2 to the south, is again of similar squared blocks, trimmed into long regular oblongs. The south edge is 85-90 cm. behind the south edge of W1, and its blocks rise in varying heights - to the W 22 cms., to the E 46 cms., extending N to a point from their south edge; this course rests upon a base course of similarly trimmed stone on a level with W1. The two lower courses - the earthy interior the first course of W2, do not in general joining; the space between them are filled in with earth & smaller stones trimmed above to keep the level.

W3: This is a cist wall of rough χαλίκια stone, poorly built; it is like, and serves the same purpose as, W3 to the south.

W4: This wall, again of rough stones & poorly constructed, runs behind W2, parallel with the great north wall. At times it tilts to a

Trench 1, T-Φ 4

height of 50 cms. above the top preserved course of W2 (to the W it is broken down, preserving only 25 cm.). This wall, as other regions show, ran between the great stone piers which rose at intervals on this line, and ~~also was~~ with the rubble wall such as W3, formed compartments for the loose-rock filling.

Finds, pottery, etc.

Inscription:

I : Masons mark on euthynteria block, 3rd Course.

Block: cm. x cm. x cm.

Letters: H: W: Spacing:

Stratum 2: P1125 (Hell. cup) P1254 (rim);

I, 29

P-Φ, showing T with top soil, strata 1 + 2 terraced

II, 16 + T-Φ with fill removed, showing euthynteria continuing into Tr. 3

Trench 7, O-P "Sections 5

Plans pp 7, 17.

Stratification:

This region, the track of the stadium, reveals little of interest. Bedrock appears on the surface in E and O.

Stratum 1: Black surface earth, of varying depth as shown in plan (p. 17).

Stratum 2: The strata labelled "2" here refer to various types of soil, any forest debris ~~below~~ below the black surface soil. It represents almost without exception brown to bright red earth and stones which fill in the hollows of the rock, perhaps in some cases purposely so placed but in general merely rotted rock. Between N and P, however, as in E, this stratum is the ~~x~~ expanding red earth fill which is found near the west. It was apparently here the last shovelling of stratum 3 in regard. Section P is wanting.

Finds, pottery, etc.

Stratum 1: Mi 346 (glass rim)

Stratum 2: Sh 1267 (rim); T 2503 (figure)

I, 13
O-P, top soil removed

I, 15
Bedrock in section N

I, 16
O-P, top soil removed

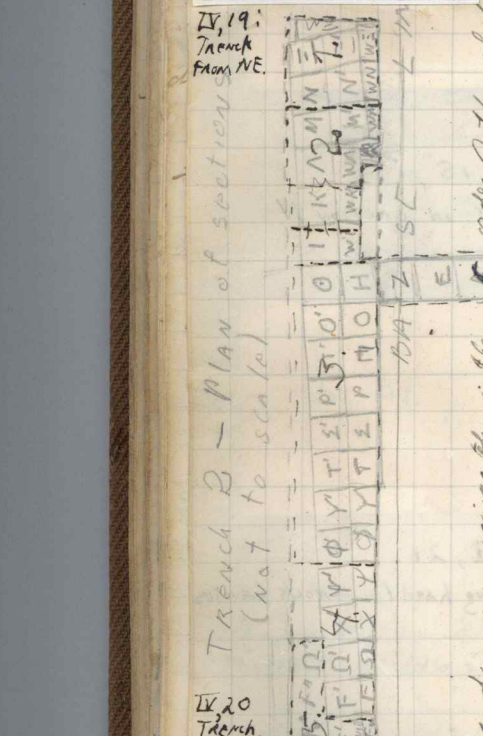
I, 21
O, showing hard fill in rock cavities

83: Summary of Trench 2

Excavated May 24th - June 9th, 1939

Key Plan of Sections

IV, 19: Trench from NE.



IV, 20 Trench from N.

the trench was dug approximately in the direction of the alignment of the wall, although 0'-0' was done before 0-0. That is why when the trench was extended to the east, it was necessary to excavate a double amount of widening was done (W 2, during I etc.). The letters Civil Engineering section shall be considered; the trench when completed will be 6 meters wide, beginning one meter west of the line: Section I = 0-0'-X' still next clearing to the north, and W1 to W4 to the south. The actual plant is much greater than here shown. - see plan p. 13 f, p. 18. The section shown in section line is not exactly the trench as it will now be discovered.

Trench 2 84

Date: Excavated May 24th - June 10th, 1939

Region: This trench extends completely across the East end. [illegible] station, lay bare the east ends of both north and south walls, showing their foundations, showing the cutting of rock between them, and, in section, giving a sample of the track to the west.

Notebook: pp 15-18, 23f, 27f, 31, 35-40.

Description: The trench will be discussed according to the sections upon the opposite page.

Section 1 - End of South Wall.

Plans pp. 36, 39

Stratification: ~~The section~~

Stratum 1: This again is compact soil, reddish turned black by vegetation. Near the wall it is mostly ~~xxxxxx~~ turned deep gray. The stratum becomes red below but is not to be separated. Its depth is 20-30 cm, though North of the wall in section N it widens it fills in the hollow created by the wall - remains and reaches a maximum of 60 cm. depth. It rapidly thins again and contains with about 30 cm. - thick.

Stratum 2. ~~South + East wall~~ - Stratum 2 on all sides of the wall is formed of fallen debris from the wall - mostly small stones of the old wall falling and red earth. The stratum ~~xxxxxx~~ varies into both 1 and 3. Further ~~out from the [illegible]~~ wall, however, both to North and E, stratum 2 is a layer of well-packed, pebbled red soil. The remains of Christian ~~xxxxxx~~ of the

wall and down to it have been temporarily called 3a.

Stratum 3: Outside the wall (S) stratum 3 is a filling, undoubtedly deliberately laid, of small x's pips stones & dust - approximately the size of a modern storage-cellar filling. This layer, directly S of the wall, is precisely even with the wall's first course, both above and below. To the east, after the end of the wall, the stratum thins out to a narrow stratum on the east edge of the trench, about 20 cm. below the surface and only 6 cm. thick; it was apparently here the paving of a road or path leading out to the SE, and banked up against the wall - it rises as to conform with the rise of bedrock to the E. The stratum continues even with the wall's first course again across the east end and continues westward within the cut bedrock in a narrow strip less than a meter in width.

Stratum 4a. This stratum, close to the wall, is a hard bed of pips stones & mud; it formed the foundation of the wall, resting on bedrock & extending out from the wall S and E. Going to the north, where stratum 4, red sandy soil, extends toward the wall.

Bedrock: South of the wall the bedrock has been trimmed down to almost a meter below the surface, and the first foundations of the wall rest directly on it. This level extends east to the very south-east corner of the trench, where it is the normal

bedrock surface. Following down the east edge of the trench, however, the rock is worked level rises to a height corresponding to the top of the first wall course; but a space of a meter east of the wall end has been grained down to the lower level. In section the east ledge of bedrock thus formed is interrupted by a long round cavity; beyond this the rock was apparently worked and so was cut down, a meter out from the wall, another thirty centimeters to take a lower course of stones. This low level is maintained throughout the eastern portion of section I except for the eastern ledge of rock, at the original surface.

South Wall - Construction

At the east end of the wall two courses of limestone end-blocks are preserved. The stone is fairly soft, very sharply cut on the outer edges; but the blocks are of irregular sizes. They are joined by a soft white mortar. The wall extends W in a straight line from the outer (S) edge of the wall E 4,80. The first course exists only at the east end, consisting of two blocks bedded upon a thin bed of cement and stones which rests on bedrock. This course does not extend to the line of the south foundations, but the course is lost probably, here removed.

Four blocks of the second course are preserved. ~~They do not lie~~ The first rests upon the second block (from the W) of the first course. The east face of this block is finely trimmed; it is back 19 cm from the east face of the first course. The remaining three blocks of the second course, in this line, have their foundations on the bedrock, which here rises; the second block from the south is very irregular and is filled in with stones & mortar.

The south edge of the main wall continues from the SE corner block. Only the first course is here preserved, with its top surface down to that of the corner block, though extending considerably deeper as the rock drops. The course is of great X x β x ρ x x blocks, as in Trench one,

covered on the outside, and joined, by white mortar; against the outside some remains of the mud coating (as 1, Δ') are preserved; the foundations, of clay and stones, rest on bedrock. On top of these blocks the cement shows clearly the base-outlines of the second course blocks which are preserved only at the W end (as out of place). Directly west of the trench the wall is preserved to a third course.

The seating pertain is similar to that in trenches 1 — a stuffing of loose worked red earth, preserved to the height of the third wall course extending at the N edge of the E end blocks; the stuffing here, to the south, contains some large, irregular X x β x ρ x x blocks. The foundations of the south course is preserved within the end wall, and set in a bedding cutting .72 cms beyond its preserved N edge; behind it rises ~~a~~ a hill of hard packed fallen stones & stuffing, from which rises, ~~about~~ a little over a meter ~~from~~ within the N edge of the south course, a rough wall of large lava-stones, apparently corresponding to trench 7, T wall 4. From the top of this wall the stuffing slants upward to the top of the third course. A block lying behind the northeast block of the end wall is yet to be examined; as is a rough block east of this same end.

Small finds and pottery, Section 7.

Stratum 1: Mi 347 (glass). Strata 1-3: Sh 1165 (white ware)

Stratum 2: Sh 1228 (H.+R.); Sh 1260 (rim); Sh 1305 (basin);

Stratum 3: L 303 (type); P 1128 (amphora) P 1129 (ribbed pot); Mi 326 + 328 (glass rings) Sh 1160 (amphora?); Sh 1221 (amph. handle); ~~Sh 1305 (basin)~~; Sh 1185 (R.G.);

Stratum 4: Sh 1247 (wall-rim-jar); Sh 1210 (handle); Sh 1204 (Amph. foot); Sh 1195 (Amph. foot);

II, 12: N'+N with top soil and part of Xa/3[illegible]a removed

II, 13 N'+E' from the North

II, 35 E extreme South end, str 2 being removed.

II, 38: N side of S. wall. For stratification cf. p. 37

III, 4 N-E with fallen stones removed

III, 8: Broken bits of pavement in N'

IV, 22 NE corner of wall

IV, 23 End of wall from NE

Trench 2

Section 2 — I/A - M to I/AA - M (widening)

This section, following the trench north of the wall, presents peculiarities worthy of special mention. Plans are same as for section 1.

Stratification: Stratum 1. The top stratum is here quite regular except for the dip of black earth already mentioned in M's thrift. This earth thinly covers, in some places bare exposed, the high bedrock on the east edge of the trench. Where this rock is cut it drops down and gains a thickness of c. 30 cm, preserving its original level above and sloping upward slightly as it approaches the wall debris to the north. ~~Below it a narrow stratum~~

Stratum 2: Below this black soil is a narrow stratum (c. 10 cms) of reddish, sandy soil, without stones except near the wall debris, where it thickens and is some disturbed from falling wall-filling.

Stratum 4: At the ~~end~~ bottom of stratum 2 is preserved, ~~in~~ at various places throughout the trench, a crust of tramped earth sometimes almost like cement. In N, directly ~~below~~ W of the east rock ledge, this pavement rests upon X/P3/P2 fill and is held in place by large stones to the S, which fill the space between the wall-end and the ledge. This filling as fallen in, however, to the W, where it slopes down irregularly to the bedrock. A squared stone in N, against the ledge, continues the level of the pavement; the

X/P3/P2 continues west in a constantly narrowing strip against the ledge throughout N; at the edge of K it is lost amid a pile of fallen stones. ~~Further~~ South of this strip of X/P3/P2 the same level is preserved by the clump of stratum 2 to 4, but the pavement here is almost completely gone, and the soil can be removed.

At K' and N' the pavement is again preserved, below stone 2, and at the edge where it was broken away to the north a second similar "paving" appears a few centimeters below it. These two slope gradually to the level of the rock in K'; the rock itself at various places in K and K' has been filled in to an even level with a similar pavement, here white and more cement-like.

Stratum 5: This is a thick layer of sandy red soil with few stones, extending below the "pavers" directly to the bedrock, here cut away (in N A are quarry marks).

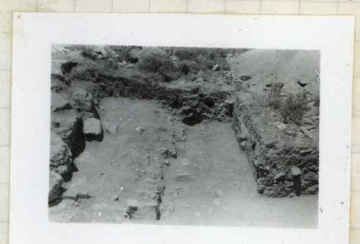
Section 2, Trench 2

Small finds, pottery, etc.

II, 5: O-N, str. 1 removed

II, 30, 31 E widening, str. 1 removed

II, 33 · S end str. 2 with widening and most of str. 1 removed.



II, 37 M×M' with deep black earth removed.

Stratum 1: Mi 328 (glass base rim); Sh 1161 (in str. 2 also). C 1010 ( ); Sh 1280 (base); Sh 1297 (fine lamp-like clay); Sh 1181 (R.G. jug); Sh 1289 (basis)

Stratum 2: M 254 (ring + clasp); Mi 329 (glass) Sh 1202 (amph. foot); Sh 1209 (handle); Sh 1222 (handle) Sh 1253 (rim) Sh 1265 (butt rim); Sh 1281 (base) Sh 1297 (amph. foot); T 2510 (horse);

Stratum 4: C 1011 (Ant.); C 1103 ( ); Mi 330 (glass R) Mi 348 (glass); Sh 1159 (amph); Sh 1239 (amph. cap); Sh 1201 Amph. foot.

Trench 2

Section 3 - M-O to Φ-Φ'

This section represents the west end of the trench.

PLANS: pp 13-14, 36, 39-40, 38

The E edge of the trench contains a ledge of bedrock remaining at its original level and marking the approximate W end of the stadium. This rock is cut along in a straight line about a meter beyond the west end of the S wall; this line continues (quarried down to the E to a level 30-50 cms below the original surface of the rock, to a point in O where it juts forth to the west 1,50; in this corner on the cut-down surface the quarrymen's cutting (c. 7 cm. broad) are still evident. The line of ledge continues north some 4 meters, the bedrock here rising above the surface soil; then it again extends in westward, convexity ideally, and continues roughly north in an irregular line, cut into by quarry work at all angles and sometimes broken away. The surface here to which the rock is cut away within grows much lower as it approaches the N, though the original surface remains at approximately the same level throughout; there is a rise again of the cut-down surface toward the center of the trench.

STRATIFICATION:

Stratum 1: The entire quarried section is covered by a black-earth stratum of

depth varying from 20 to 30 cms.
Stratum 2: Directly below this, and extending at irregular depth to the bedrock, is a layer of red earth with some large stones

Str. 2a Along the north edge of the ancient bedrock throughout, and across the trench in sections M-P, is a layer of fallen stones directly on bedrock.

Str. 3 In sections T-Φ the level of the rock within the ledge was covered with quarrying long wall-blocks (for the outer walls — from 55 to 70 cms. in height & breadth. Some of these blocks remain untaken, with the quarry cutting in various stages of completion around them. In these cuttings, and ~~around~~ in the places where blocks have been removed, is a fill of small X a/b/2 stones.

Bed-rock cuttings: Or. shown in the plan (pl 13 f.), at various places within the quarried surface are holes - some ~~are~~ now round, of about 10 cm. depth. These extend beyond the west edge of the trench, and direction is best learned from further excavations in 1937.

II, 5: O-II, 1st str removed

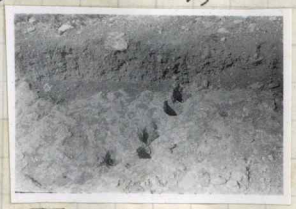
IV, 17 Unarmored quarry-blocks, ~~Φ-Ψ~~ Ψ-Φ

Small finds, pottery, etc.

Stratum 1: M 255 (coin); Mi 331 (glass); Sh 1177 (RG. Amph. hand) Sh 1183 (RG.); Sh 1211 (handle); Sh 1268 (Rim); T 2506 (Fig.); T 2505 (horse);

Stratum 2: C 1006 (IV); M 261 (iron); Sh 1174 (RG.) Sh 1156 (rim); Sh 1282 (foot); Sh 1243 (handle+rim), Sh 1249 (Rim); T 2504 (horse);

Stratum 3: Mi 332 (glass); Sh 1163 (Amph - str 3-4, sect 3-5); Sh 1188 (R.G.) Sh 1298-Sh 2444 Sh 1208 (Amph. handle)



IV, 21. Rock-cuttings.

I, 34 M-O showing small stone fill c. 10

I, 36: O-Σ, 1st stratum rem.

I, 38 Σ-O, 1st stratum rem.

I, 37: E-O, stratum 1 removed

I, 39: Rock-cutting in M, O, 1.

Trench 2, Section 4

Y-Y' to F widenings.

Plans of Pian: 35, 40.

Description:

This section contains the end of the north wall and the foundations of the north eastern section south of it. The earth here rises to the preserved height of the wall while the rock has been cut down to a great depth; thus the trench is deeper than any other excavated within the stadium.

The edge of the surface-rock cuts back to the east in T', and continues to the end of the wall in a line only a few centimeters beyond the east edge of this end.

Stratification:

Stratum 1: Again a layer of black earth, from 30 cm. thick in Y to 10 cms. over the wall.

Stratum 2: This stratum, beginning in Y, is a layer of broken stones resulting from mediaeval quarrying. It is present almost throughout the section, varying in depth from 20 to 40 cm.

Stratum 3: About 20 cm. of red earth, thicker by the close to the wall & disappearing in Φ-Φ'. The earth is quite compact and free, in general, from all but small pebble-sized stones.

Stratum 4: This is a layer of soft yellowish earth, probably due to the rotting of the wall stones. Its thickness is similar to that of 3, being much deeper close by

the wall.

Stratum 5: This further stratum of red earth, precisely like 4, appears only against the wall-end foundations in Σ', and probably collected here, by the wind or purposely placed, before, before stratum 3 appeared anywhere.

5a: This stratum is replaced, against the ~~wall~~ seating foundations in X, but a filling of small x p s p s stones, as on the ~~earth~~ end of the south wall - a filling which was quite surely banked by men against the heavy stonewall.

5b. This about filling, thick in X, dwindles out in Y and is replaced (only on the eastern side of the trench) by a coarser (18-20 cms.) layer of x p s p s dust and small chips which cover the bedrock directly with it, and in the greasy earthing a. It probably represents the debris of the ancient quarrymen.

Stratum 6: This is a backing of clay like mud & small stones directly around the very base of the wall foundations, precisely like the mud placed against the 1st wall course in T, Δ.

Trench 2, Section 4 - Wall construction.

The end of the north wall is built of square limestone blocks, similar to the construction at the south. The end itself forms a wall running N-S, 1 meter wide; this meter is sometimes spanned by one block, sometimes by ~~several~~ two. The blocks are trimmed squarely but not precisely; only the faces carefully trimmed. The wall extends from the outer edge of the north wall south c. 570 M. Since the bedrock rises steadily to the north, the blocks set on bedrock in the north end would form, if prolonged southward in a line, the third course at the S edge.

The outer (N) wall is carried W, in its last course (all preserved) about 310 meters by heavier stone blocks; on the W edge of the trench the foundation of a Bapa construction starts, rising here only two courses above bedrock.

The foundation of the central section were laid as follows: About 7,20 meters from the N edge of the wall the bedrock, which beyond is preserved to a depth of 1,20 M, is cut down still further, to 160. A narrow space in this cutting was left to the south (20-30 cm wide); the rest was filled in with stones and clay to a depth of c. 25 cm.; as a foundation. Upon this foundation, 130 cms. from its S edge, the foundation rises 20 cms and upon this, at the E end, was laid the southernmost stone of the wall-end; the line was continued westward by a

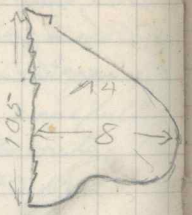
heavy foundation-wall of large, unhewn Bapa stones (60-80 cm high). Upon this the space was filled in to the rising bedrock with a filling of earth and large stones, and upon this foundation the filling of the seating section, precisely as in trench 1, noted.

Trench 2, Section 99, Unit 4.

Architectural Fragments:

A3: Ψ, St. 2: Torus + square fragment, as A1 and 2. Overall: 30×27×16. On torus, inscription no.

A4: Stone Ψ, fragment moulding. Soft white limestone. One end trimmed straight, other broken away. Pres. l. 12



A5. Fragment moulding, Ψ, St 2. One end splat, preserved, other broken away. Pres. l. 19 cm.

A6: Frag. moulding Ω, St 2. Torus + square, as A3. One end square. Overall: 17×13×7

A7: Frag moulding, as A4. One end preserved, as Ω, St 3 L. pres. 20 cm.

A8: Frag. moulding, like A7. X, St 3 Overall. 17×16×6.5. One sq. end pres.

A9: Ω, St 2. Fragment moulding, soft limestone, rough workmanship. One sq. end pres. L pres. 23

A10: Ψ, St 3. Frag moulding, as A4. One end preserved. Overall. 17×11×10

Inscription

Mason's mark on A3 (fig 7 with Hook

Letter: Hi W

Trench 2, Section 4
Small finds

Stratum 1: M257 (coin?); M260 (sheet); Mi 233 (glass); C 1004 (early Byz); Sh 1224 (studded han.); Sh 1294 (ribbed); Sh 1219, 1220 (handles); Sh 1250 (rim - one frag from str. 2); Sh 1261 (rim); Sh 1231 (Rth) Sh 1237 (handle); Sh 1264 (rim); ~~Sh 1237~~

Stratum 2: Mi 349 (ribbed glass han.); Mi 335 (glass - extends to str. 3); P 1127 (amph - extends into sect. 5); M259 (bolt); Mi 351 (glass) Sh 1154 (amph); Sh 1164 (low pot); Sh 1194 (amph. foot)

Stratum 3: C 1009 ( ); C 1012 ( ); Sh 1157 (bowl); Sh 1162 (jug); Mi 336 (glass frags - extend into str. 4);
Stratum 4: Sh 1298 (black cup - other piece from 2·3·3) Sh 1266 (rim); T 2511 (horse);
Stratum 5:

Stratum 5a: Mi 337 (glass with star);

Stratum 6: Mi 338 (glass - many frags?)

II, 26 Bed of stones against cut bedrock

II, 36 Y-Y with all stone + blackearth level removed

III, 14. Foundations of the North wall, from the S.

II, 27: Blocks of wall in S2

II, 32 North end of trench 2 after widening; cut to str 2 in some places to str. 3.

IV, 15: As 14, from S.E.

Section 5 - F-Ω and widening. This is region E and N of the end of the N wall, over high bedrock.

Plans pp 38+40

Stratification.

Stratum 1: Surface soil, 10-20cm. Hard earth. Over the unexcavated rock very thin covering.

Stratum 2: Present only in F' wid. - Stones and debris over wall.

Stratum 3: Light tan earth with rubble fragments - Directly below 1, 40-30 cm high, except in F' wid.

Stratum 4: Small rubble filling; Everywhere over rock, varying heights.

Bedrock: The rock here rises to the surface on the N edge of the trench.

Around the wall it is quarried to 50-60 cm. depth, forming an irregular line. Marks were taken and various styles. One block prepared but not taken.

Small Finds

Stratum 1: Sh 1178 (R.G.); Sh 1192 (R.G. rim); Sh 1234 (white-ware handle)

Stratum 2: Sh 1304 (pithos); P 1127 (amphora - extends into section 4); Sh 1189 (R.G.); Sh 1175 (R.G.)

Stratum 3: Mi 334 (glass bottle); Sh 1252 (rim)

II, 14 Trench 2 from N after second week of EXCAV.

II, 28 F"-2", stratum 1 Removed

II, 34 All of str. removed in F+FF

II, 31: North end of trench 2, 1st str. removed

IV, 18 End of wall from E.

Trench 2

Section 6 - A-Z.

A trial trench running approximately E-W on the S side of the trench

Plan p. 14

Stratification

Stratum 1 - Surface soil, black, stony. D.c. 10-15

Stratum 2 - Red earth. D.c. 10-20

Bedrock: The rock here preserves an even level, which runs guard-a-vous quarry-marks remain on the floor as shown.

Small Finds

Stratum 1: Sh 1225 (handle+rim); T 2508 (horse) ?

Stratum 2: Sh 1290 (ribbed); ~~Sh 1170 (R.R.)~~;

I, 30 - A-Z from B - Ch. p. 15

Trenches 3 + 4

Excavated June 7 - June 8 '34
Plans p. 26, 33, 34

Region. These two trenches, neither completely excavated, carry out the line of the entablature blocks found in trench 1, T, in a two-meter strip E (trench 2) and west (trench 4). Strips of soil have been left for the present unexcavated to furnish sections for future study. So trench 3 extends from 1, T eastward 6 meters (A-T), then a meter strip is left undug, and then continued 4 more meters east (A-E). The final two-meter square (E) was extended an additional two meters south (E').

Trench 4 reaches 14 meters west of trench one, but here again two 2-meter squares remain undug — that adjoining trench 1 (A) and the square extending from 8-10 meters west of trench 1 (E).

Notebook: pp. 25, 32-34 with plans

Sections: There is no need of dividing this trench into sections - each square except E' is precisely like its neighbors in both stratification and relative position

Stratification: Only two strata were dug except in 3, A-E', where a third was cleared. These are:

Stratum 1: Surface soil, red to black, stony, disturbed. Precisely the same situation as 1-4-1.

Stratum 2: Red, stony undersoil mostly composed of fallen wall debris - again same as 1-4-2

[Stratum 4: The wall filling itself, in no case, where preserved in situ, dug.]

Stratum 3: The hard packed red earth at wall stone level with the base of the entablature course and extending to bedrock. Undug except in A-E', where bedrock was cleared.

Bedrock: Only in trench 3 was the fill cleared to bedrock. Here we had expected to find the entablature course still in situ; not finding it at the proper level we continued removing the disturbed soil until we reached rock. This rock was cut on a rough E-W line, preparatory to laying the entablature blocks, and within the line was levelled off. The blocks had all been removed, and the disturbed fill extended in to the rough supporting wall and its pier. In section E bedrock continues S, unexcavated; in what the center of this section was a large hole packed with red earth, which may have served to catch water but is more probably only natural. This part of the stadium floor was probably always covered.

Architecture

Small Finds

Stratum 1: Sh 1240 (Amph. cap.)

Stratum 2: Sh 1170 (large pot); Sh 1155 (large bowl) M 253 (bar); Sh 1186 (R.G.); Sh 1214 (handle); Sh 1190+1191 (R.G.); Sh 1251 (rim); Sh 1286 (base); T 2507 (horseman)

II,15 Level of stones in Tr 3, A - cf p. 25

II,22. Tr. 3, cleared to bedrock in A and E

II,23 Tr. 3, A-E from south, showing pier

II,24 Tr 3, E with quarrier's chips (trans. eleventh)

IV,26 View of Trenches 3 + 4 from West

Trench 7

[For trial trenches 5+6 cf. p. 437.]

Date: Excavated June 15th-20th, 1939

Region: Center of South Wall; small side gate

Notebook: p. 45, 46

Sections: 1 is the region N of the door (A-Δ); 2 the door itself (K-Λ, Ξ-O, Σ-T) (I-N-P + M-Π-Y are unexcavated); and 3 is the narrow inner strip outside of the door (part of Σ-T-Y, and P-Y).

Section 1. A-Δ

Stratification

1. Stratum 1: Surface soil, blackened by vegetation, about 25 cm. deep overall. Disturbed fill; few sherds.

Stratum 2: A redder soil, again badly disturbed and soft; considerable sherds but very disturbed context.

Stratum 3: A hard red packed c. 40 cm. in which is much small white chipped stone. We cleared only to the top of this stratum.

Architecture.

The blocks have all been removed here, but a low foundation of small stones shows the Hellenistic line in A+Δ, and behind it rises a mound of stone-and-earth back representing the remains of the filling. Thus the section is in precisely the same state as trench 1 section 3.

Trench 7, section 1

Small finds, sherds, etc.

Stratum 1: Mi 350 (glass base); Sh 1213 (han.); Sh 1287 (base);

Stratum 2: Sh 1259 (rim); Sh 1283 (base) Sh 1282 (R.G.); Sh 1230 (han.+rim); Sh 1258 (rim).

A-Δ, Stratum III, 1 removed

III, 1 A-Δ, 2 str. removed 2-H, top soil "

Trench 7, section 2 - Gateway. Stratification

From S.
III, 30 - Views of door with 1st str. (stones) cleared - From N
III, 31

III, 35: Door from S, with most of harmaa filling removed

IV, 24: Doorway completely cleared

Small Finds

Stratum 1: Sh 1205 (rope han.); Sh 1180 (R.G.); Sh 1179 (R.G.);

Stratum 2: Sh 1244 (pie-crust rim); Sh 1241 (Amph. neck) Sh 1300 (chipped ware); Sh 1152 f. (graffiti); Sh 1212 (han) Sh 1265 f. (handles); Mi 342 (glass jar); Sh 1169 (amph?) Sh 1303 (sea-washed); Sh 1306 (storage jar); Sh 1198 (amph. foot); Sh 1257 (rim)

Trench 7, Section 3

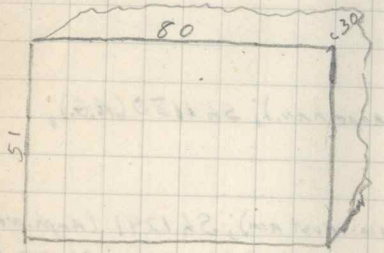
IV, 4: Outside door, top earth removed, stones in place

Small Finds

Stratum 1:

Stratum 2: Sh 1279 (base - frag: joined from section 2)
Sh 1248 (rim);

Stratum 3: Sh 1158 (cooking pot);



Brought up for exhibit, XII. 47

Block found just within doorway, E side, good side up.

Trench 8, ~~Section~~

Trench 8 Sections 1 & 3

IV,1 A-Δ from W, with scarp & soil & small stones removed

Small Finds, Sherds, etc.

Stratum 1:

Stratum 2: (Sect. 1) L 306 (Type); Sh 1233 (white handle)

Trench 8 Section 2

Small Finds

Stratum 1:

Stratum 2: Sh 1218 (handles); Sh 1167 (ribbed as P 1129) C.1008 (Const. IV A 9); Mi 343 (glass rim); Sh 1168 (ribbed); Sh 1196 (amph. foot); Sh 1206 (amph. han.); Sh 1288 (base); Sh 1145, 1146 (amph. foot);

IV,25 Doorway as left.

IV,2: B-F from S, showing havara filling & A in situ.

IV,8: Close-up of E side of doorway, showing earth replacing E blocks; havara layers, Arch. from

IV,7 - Door, showing havara pavement W side cleaned, earth left at E. - IV 9

Trench 9

Trench 9 revealed architectural remains of interest but little of chronological or stratigraphic value. The purpose in clearing here was one of appearance rather; trenches dug inside exposing entire earthy interiors were therefore refilled, May 1947, and the ground brought to 5 centimeters below the earthy interior level.

IV, 28: A-D cleaned

IV, 31: North side of sphendone with coping blocks replaced

IV, 6: B, with all black earth cleaned out

IV, 39 N end of sphendone from S wall (within

III,27 – Section N completely dug from N + E – III,28

III,29: W. bank of section A, (cleaned) showing B unexcavated

III,32: Σ, ⊙ STR. I removed

III,33: Sect M cleaned, part of str. 2 left in M.

III, 34: B + Γ, with Γ cleaned

III, 36 ← from S = before cleaned ⇒ III, 37 from N

III,13: A cleaned to euthynteria

III,14 F, cleaned to euthynteria

III, 15 O + Π (STR 6) cleaned

III, 16 - H-O (: STR 5) cleaned

III, 19 ⊙ with top soil removed

III 20 N with top soil rem.

III, 22 Λ with STR 2 removed

III, 25: Θ with old trench 5 down to euthynteria, west with STR. 1 removed.

Trench 9, Section I

Small Finds, Sherds, etc.

Str. 1.

Str. 2; L.301 (type); P1124 (amph); Mi 340 (glass) Mi 354 (button?); P1123 (amph); Sh 1171 (ribbed) Sh 1113 (amph. foot); T 2501 (head); Sh 1203 (amph foot); Sh 1238 (ribbed); Sh 1293 (ribbed) Sh 1227 (handle + rim).

p.127 Trench 9, section 2

III, 23 South corner of gate str. 2 left in O, rem. in I.

III, 24: Close-up of K showing trodden soil level + broken stones

IV, 13: Door cleaned, two fallen blocks in place

IV, 29 Doorway with stones removed except in earth column

IV, 30 Corner of gate in K, with frags. of coping under earth.

IV, 35: Rock cuttings in doorway

IV, 36: I–H from K

IV, 38: N. side of doorway

Trench 9 Section 2 p.128

Small Finds, Sherds, etc.

Stratum 1:

Stratum 2: L 307 (type); C 1005 (IV) Mi 353 (glass base); Sh 1172 (yellow pot); Sh 1223 (handle); Sh 1199 (~~ring~~ foot); Sh 1291 (ribbed); Sh 1296 (ribbed);

Stratum 3: Sh 1173 (cooking pot); Sh 1176 (KG. Ware) T 2509 (coarse ridge); Sh 1284 (base); Sh 1226 (handle rim);

Trench 9 Section 3

III, 21 K' with soft soil below trampled level (str. 20) rem.

III, 26 North edge of A' with top soil & most of HAVARA not cleared

IV, 3 : O', str. 1 removed

IV, 12 : H' with fallen blocks cleaned

From S
IV, 10 — H' with HAVARA dust removed, fallen blocks in place

From IV
IV, 11

IV, 32 O'-I', cleaned

IV, 33 K'-A', cleaned

Trench 9, Section 3

Small Finds, Sherds, etc.

Stratum 1: Sh 1166 (amph?); Sh 1235 (handle)
~~Sh 1285 (foot)~~;

Stratum 2: Sh 1232 (handle jug-white); Sh 1285 (base)
Sh 1217 (handle); Mi 352 (glass); [C 1007 - coin (fake?)]
Sh 1200 (amph. foot); Sh 1207 (amph. handle);
S

Stratum 3: ~~Mi~~ 339: Bottle; Mi 341 (glass)
C. 1002 (II Hondius). Mi 344 (bead?); Sh 1242
(handle trim); Sh 1299 (black slip).

Trench 10

May 19th, 1947. Work was again commenced with the object of finding some trace of aphesis and tenon. Starting with the first possibility, Trench 10 was opened. This is at the east end, connecting with A of trench 2, as shown in the accompanying diagram.

Finds: In Z, filling, in which few lumps (Trench 2 p. 27)

In A-O, few sherds + bit of glass

In A, reused cornice block, set in rock-cut bed ergo-side down, with square hole cut in upper surface

In Δ, square hole - another in K

In Λ, cutting for square block, with square hole in center.

In Γ and M, small bits of pipe.

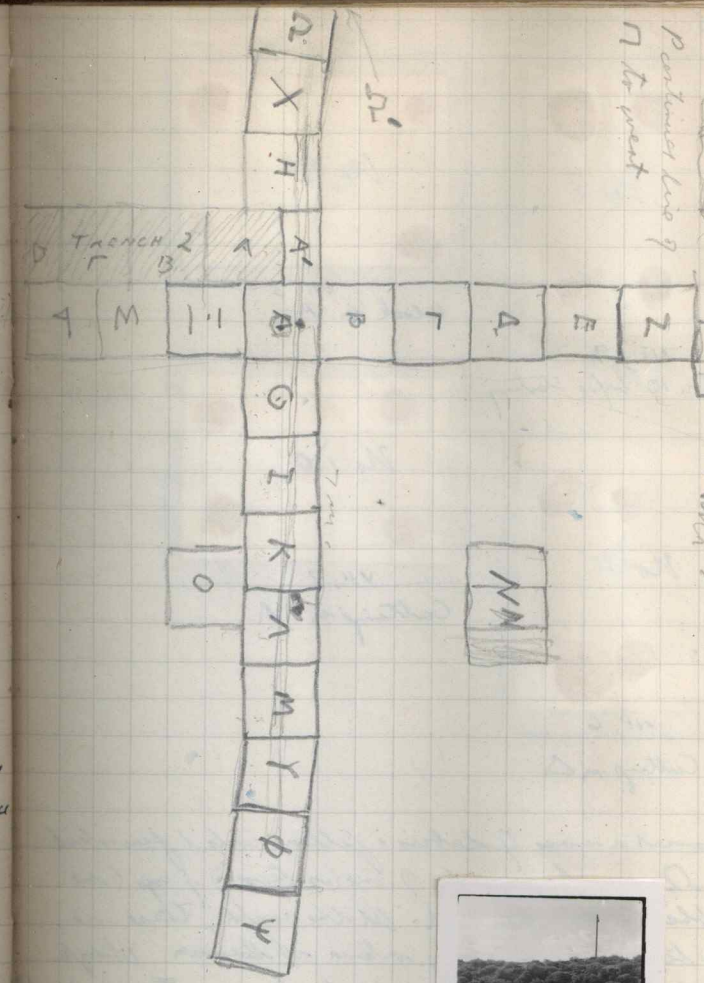
Quarry-cutting everywhere. Opened A, A' – M

May 20th Continued in H + M, opened N – P. Since nothing but unworked bedrock was found in any of these exploratory directions, it appears that the only transverse workings of significance are those running from H to Λ; we shall therefore turn our attention tomorrow to a search for the T épora. Bedrock in Trench 2, O-Φ, was uncovered.

Finds: In Trench 2, in debris not previously dug out, rash of sherds.

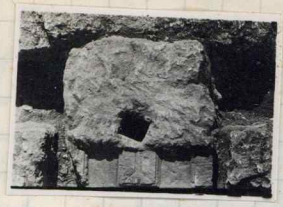
In Π, curious rock-cutting for plow share?

Now (Trench p. 146) In widening - or extending - this trench at both N + S, results were disappointing. All blocks of any value have been removed on both sides. Surface soil (c 20 cm thick) [illegible]



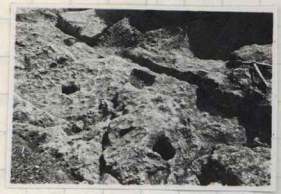
VIII, A - Ω

VII, 9
Tr. 10 before starting



VII, 8
Block in A

VII, 6
Cutting in △



VII, 7
Cutting in A

covered a mass of debris + fallen rock (from which in Ω many fragments of one (or two) of cup (one rubbed) were recovered. At the north, there is no trace of the earthy stratum whatsoever, though bedrock has been quarried; to the south, bedrock was cut down and the earthy stratum (escaping block, was set a stones laid in a trench in the bedrock.

Trench II

May 21, 1947. Continuing these final trials, we opened a trench this morning in the center of the sphendone, starting at about 10 m distance east of the West Gate, in approximately the center of the semicircle, and proceeding eastward.

In A, at 30-35 cm. depth, a stratum of small hasara stones, probably resting on bedrock, appears. It is quite level, and is probably the original datum laid to even out the bedrock. We are clearing to this at present; soil over it is Stratum 1, this rock-filling Stratum 2. A sherd of a coarse white ~~ware~~ ware (rubbed) came from this stratum in A.

In B, pipeline apparently in situ, running almost with trench (tipping, however, to north).

In F + E, bedrock shows through stratum 2.

To avoid cavalier wild olives of H, opened second trench to south (c. 3 meters), & continued. Here bedrock close to surface. In Z, piece of pipe.

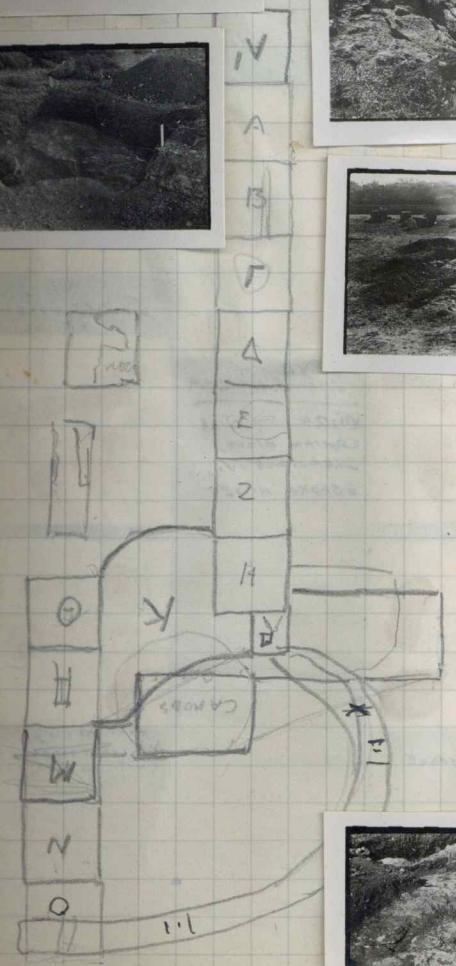
In A, square post-hole. In I, cutting in bedrock

May 22nd: In H the bedrock goes down to 60 cm below the surface and is hopeless. In A & I, however, it rises to the surface, and since cutting a few coarse sherds here appear, we are running sounding and clearing bedrock wherever it appears high. Meanwhile, H is being partly refilled. Only in high bedrock, here, is there hope of finding traces of ancient working.

A - Hole for post 10 × 10 × 20

I - Cutting 20 × 110 × 12 max

Trench II - 1 sq = 1 m North →



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Photos

No 12 - Pipe-line in B
No 13 - Trench 11, 2-A
No 14 - S. side of sphendone before filling
No 15 - Coping block before set back in place to N
No 16 " " " " " " "
No 17 N. Side Sphendone before filling
No 18 - Arranged leg of coping block under NE corner-stone of gate

VII, 5
Pipeline in B

VII · 4
Trench 11, 2-A

VII, 2c → VII, 2d
Coping block, Sphendone No., BEFORE RESET

VII · 3
S. SIDE SPHEND. BEFORE FILLING

VII · 44
N. SIDE SPHEND. BEFORE FILLING

VII · 43
N.E. CORNERSTONE, W. GATE (WITH QUARRY-CHIPS)

VII - 39
K-A with POST-CUTTING

VII · 38
K-I, SHOWING ROCK

VII · 37
Tr II, =

VII · 36
Tr II, M-N

V

ANTONIS SUBFOREMAN

Oct 29, 1947 - (6 wheelbarrows, 8 pick+shovelmen, 1

We once more opened excavations, after a survey yesterday with B H H. Objects: 1. To look for some clue as to the arrangement of stairway, or to otherwise explain how the spectators got up to their seats; and, 2. to tidy up the whole place, making it show better its form and the ancient ground level.

To this end we commenced at Trench 7 (south gate) where we will remove the inside dumps of 1939 to a little under ancient level, and dig down within the south side, along the earthy-stria course, until we join this up with trench 4. I shall call this

TRENCH 4 EXTENSION

Over fourth stone in foundation course, from crack between stone filling (+ part of original fill) — removed a head of woman, with polos.

On first block of pier (1st east of doorway) mason's mark - K

About 5 m. east of gate found earthy-stria course in situ. Chips of local coping course appearing. No sherds.

Oct 30: Same personnel

Continued clearing earthy-stria course until we reached trench 4; we also cleared the mason's marks as in Trench 4 (E-Z)

Photos:

Film ——

No 1: Block + Earthy AT TRENCH 4, Δ-Z

Nos 2 + 3. Block in TRENCH 4, Δ-2. SEE NOTE PAGE

No 4 + 6 (5 NOT) NEW SQ YARD IN TRENCH 2, S.E. CORNER.

No 7: NEW SQ AS ABOVE, CLEARED

List of Earthy-stria blocks in situ + their relation to the 7 trench 4 extension, N – E.

1: 2.	0.74	K	Behind it, rib block	K	
2: 3.	0.87	K			
3: 4	1.05	K	31 32.	0.97	
4: 5	0.96	K	32 33.	0.87	⊿
5:	1.04	K	33 34.	0.74	Δ1
6:	0.82	K	34 35.	0.91	Δ1
7:	0.85	K	35 36.	0.85	KΔ
8 9:	1.205	K	36 37.	1.18	K1∇
9 10:	0.95	K	37 38.	1.10	1∇ rib X ?
10 11:	0.80		38 39.	1.63	1∇
11 12:	0.84	K	39 40	1.11	1∇
12 13:	0.94	K	——		rib
13 14:	0.63	⊠			
14 15:	0.875	⊠			
15 16:	0:61	⊠			
16 17:	0:73	⊠			
17 18:	0:51	1⊥	Behind, rib	H ⊿1	
18 19:	0.87				
19 20:	0.86	K			
20 21:	0.775	K	to here		
21 22:	0:54	⊠			
22 23:	0:98	⊠	Rib behind	K	
23 24.	1.00	K			
24 25:	0.79	1⊥	Rib behind	K	
25 26:	0.78	⊥1			
26 27.	0.60	1⊥	Rib	K	
27 28:	0.11	1⊥			
28 29.	0.30	1⊥	Rib	K	
29 30	0.89	ΔK			
30 31.	0.82	1∇	Rib	K	

Oct 30 cont

We commenced digging south of the earthy interim course, extending out 1.50 to 2 metres with the object of bringing down the level to a little below the earthy interim level - this for appearance & effect. We also commenced removing trench 4 dumps.

In removing soil at Trench 4, E-Z, two coping-course blocks were found, ~~which are replaced in earthy interim course at trench 4, D-E and trench 4, Z-H, respectively.~~ The first block is incomplete & much broken & thinned; the second intact. Under the second block is a mason's mark B, as covered.

Oct 31 - Clearing mainly in A-B in trench 4, old dumps from Trench 4 & Trench 1, and bringing level down all day. We have nearly reached Trench 1

Nov 1: We cleared up to Trench 1 this morning. We are refilling X-Φ with stones, and will bring up the level of Σ-T to agree with rest. Starting work on Trench 3, we will remove dumps, bring level down to below earthy interim level, & fill southern part of E'

Nov 2: Continued on big pile of dumps at junction of Trenches 1 & 3. Prepared for filling in of useless parts of Trench 2, & started this. Also filled Trench 1, E-P, back to approx. its orig. level.

Nov 4: Attacking the great pile at Trenches 1:3, this morning from all sides, it finally succumbed and we all moved down to Trench 2 (the E end) Here we shall (a) Remove all dumps within the station area; (b) Close the following areas: Trench 2 A-Z (+ part 6) Trench 10, B-P; Ξ-T; N; O; (c) We will clear the section left west of W I, W K, & W L in Trench 2 and also the square shown on the next page at the extreme SE corner of Trench 2.

The square mentioned above was cleared, revealing a thin (10-15 cm) stratum of top-soil, followed by a layer of chopped brasses (with only a few sherds & one bit of a T C horse [T 231]) & a fill over bedrock. The bedrock has been quarried. In the bottom fill there were scraps of sherds.

Nov 5.

We continue to clear dumps in Trench 2 area; we are also excavating the untouched strip just west of the I W - K W widening shown on page 39.

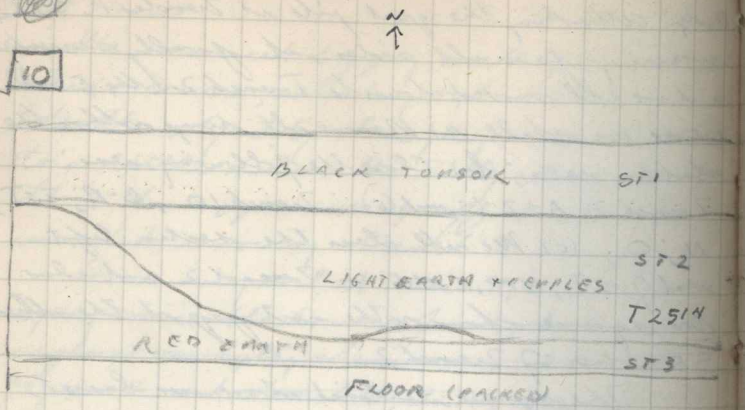
Nov 6: At about the level of the earthy interim course, in the widening, we found bedrock to the north & to the South, the last bit of packed-brasses dust floor we have yet uncovered.

Nov 6: All hands were transferred today to Trench 10, which we are extending to North & South in a search for the earthy there. I am also trying to straighten the trench a bit, as is shown on the plan p. 133 where I will also enter notes on these extensions

X1/11/47 - Photo of S.W. bank before extension of sphendone trench.

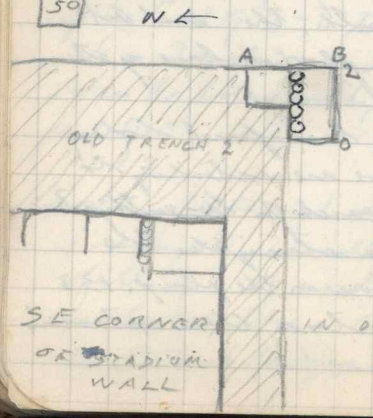
1977

10



SECTION LOOKING NORTH AT N WIDENING
UNDUG, FROM N widening dug previously (p 39)

50



PLAN - SE CORNER, TRENCH 2
0000 - line of stones, 3 of which laid by me
trench refilled

Nov. 6 Finished extension of trench 10 - see p 133. Rain

Nov 7: Turned over attentions to general clearing removal of the dump pile within the 3 central squares. Rain

Nov 8: No digging because of heavy rain

Nov 10: This morning we finished the dump inside the north central door & moved north to complete the removal of the dump layer at the W end of the door opposite.

Nov. 12. (Supervised by J.Y. in J.Y. illness). Finished removing dump at N central door. @ extreme W end of this dump, coin no. C1013

Started the eastward extension of trench 9 (the sybundore, from A-on. This we will call Trench 9, east extension (We will not divide it into squares since there are almost no sherds in the yellow fill we are removing.

In the first two meters dug, a "copying block"; upside down & molding turned to wall, was found at about the level of the earthy interior & inside it (see sketch over) Also in this fill, some small architectural fragments (see over)

In next 2 meters, another copying block, just as before. These in Photos 10 & 11, from E looking W.

Nov. 12 - Proceeded E. along the earthy interior c. 15 M. Nothing new to report

Nov 13: Continuing, we found the copying blocks (lower course) preserved starting about 18 M from E edge of A. It is much chipped, but the molding seems shallow. The blocks high (50+)

05

We turned the first yellow copying block

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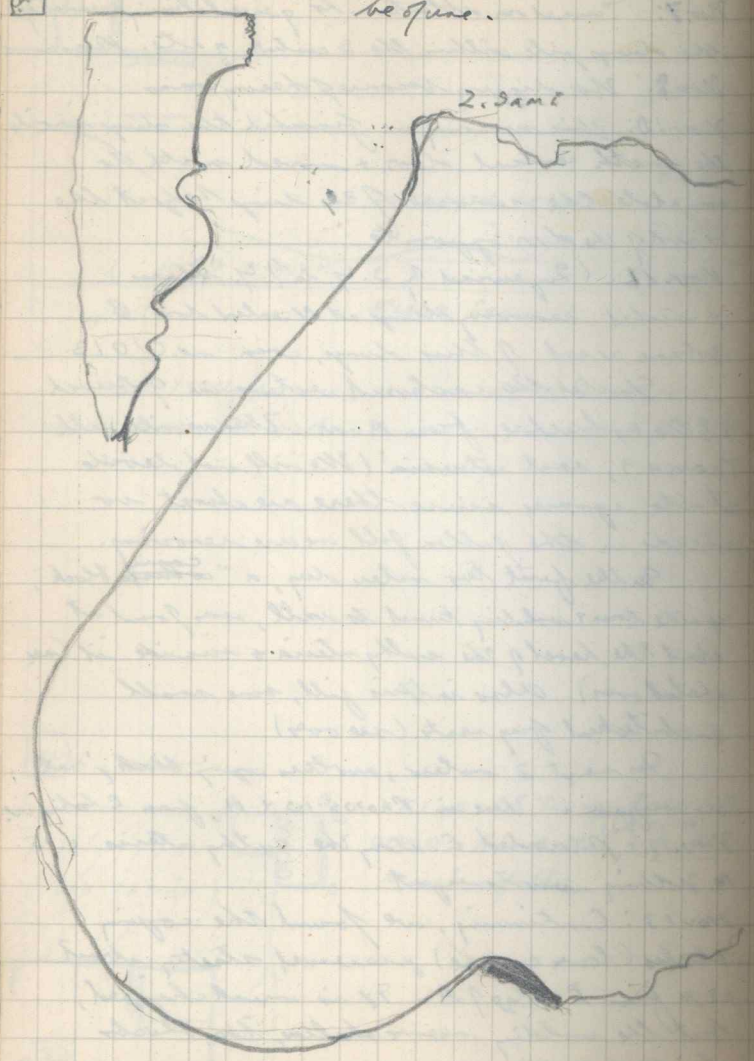
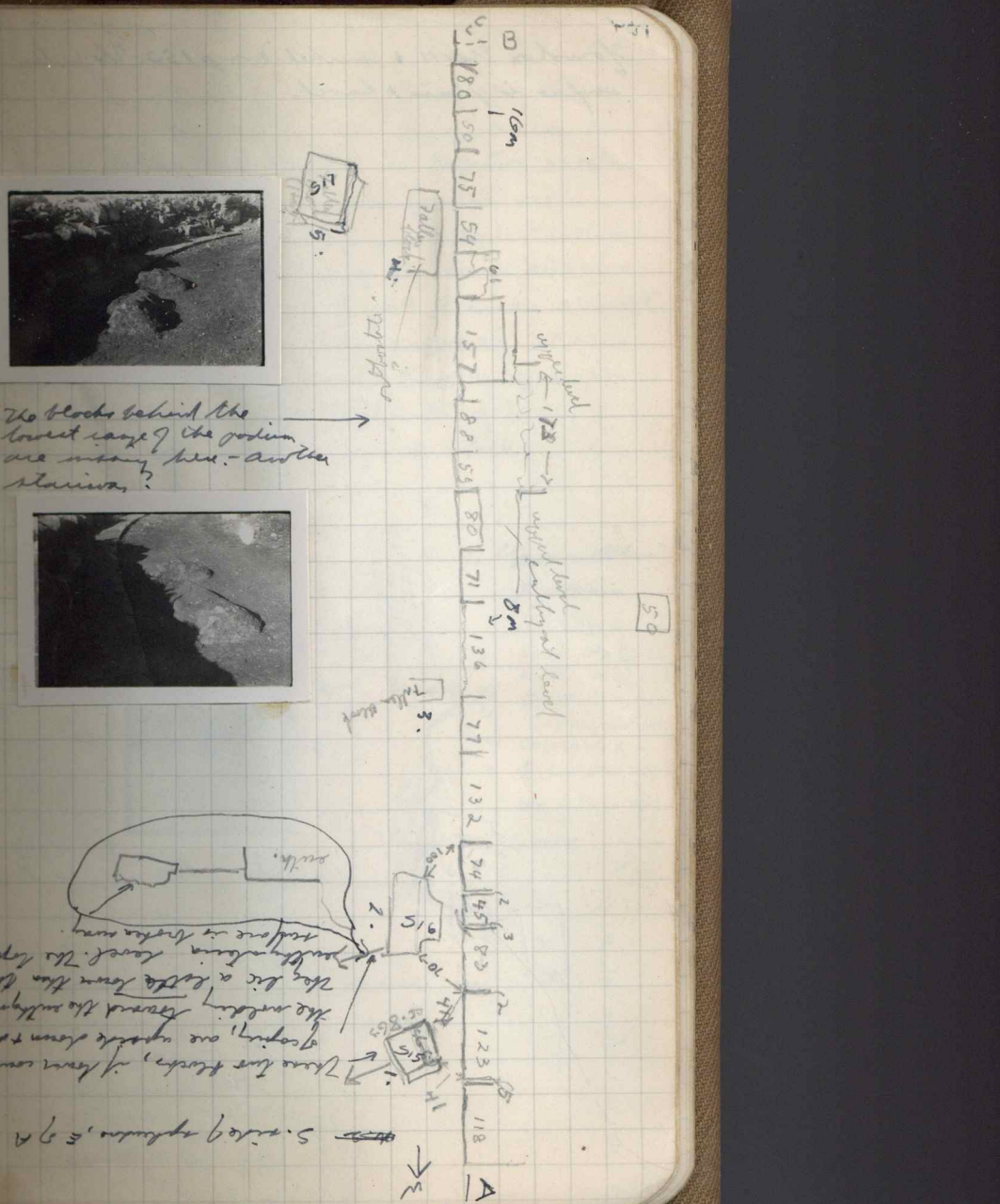
Architectural Z rays in facial 2nd of 71. Right E

1. Αλαζόνα στρα

3. Ζυγαρι (?) - too much to be done.

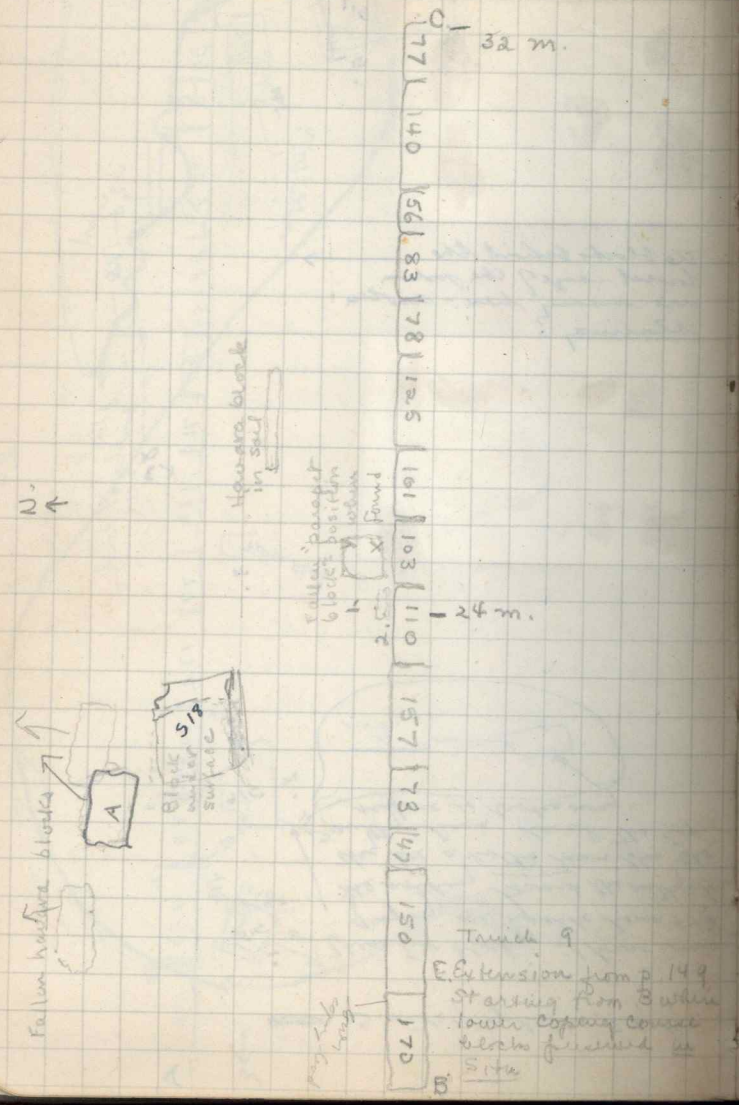


The blocks behind the lowest range of the podium are missing here - another staircase?


16m
1
B
V1
V80
150
75
64
157
80
71
136
77
132
74
45
123
118
N
S
Wall
Wall
Wall

151

found on Wall 1 & marked 1 on p 150. Its under surface is plain & level.



152

Nov 14:

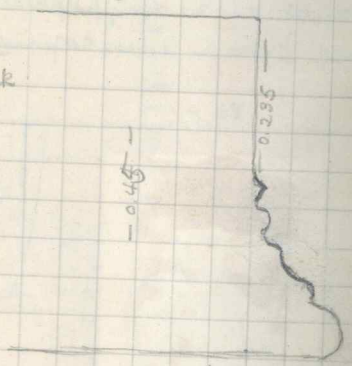
Continued extension of Trench 9 to the East, continuing to uncover the lower course of coping blocks in situ. In position shown on opposite page, a block found with upper surface as fallen just below entablature level. The block is of the same dimensions as No. 1 & 3 on p. 149 & is an almost complete example of the original blocks from which these come. Just W of it at same level No. 2 turned joining fragments of lower molding form a lower coping block.

1. Upper surface of portion as fallen was on face with molded part toward entablature, corners X & Y shown up on plan opp. page.

Continued to bring up level in center of Stadium by dumping earth.

Nov. 15

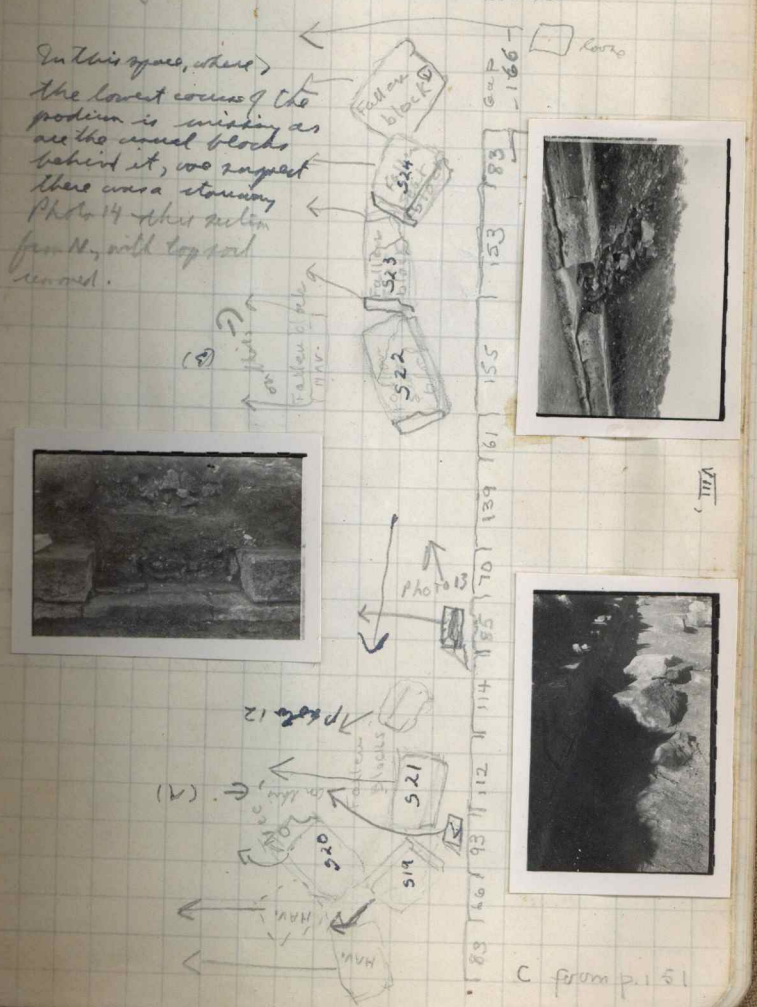
Continued eastward excavation of trench 9 uncovering lower course of coping exposed in situ. Starting with the next eastward block from C (77 - 3.2 m.) on plan p. 151 the lower moldings begin to be cluttered, fragmented and are of an entirely different type from those on the lower coping blocks previously discovered. It appears that frag. 2 on p. 149 is from the lowest member of one of these blocks.



Lower coping block
E of 77 on p. 151
= 83 on p. 154 - C.
L. 0.830

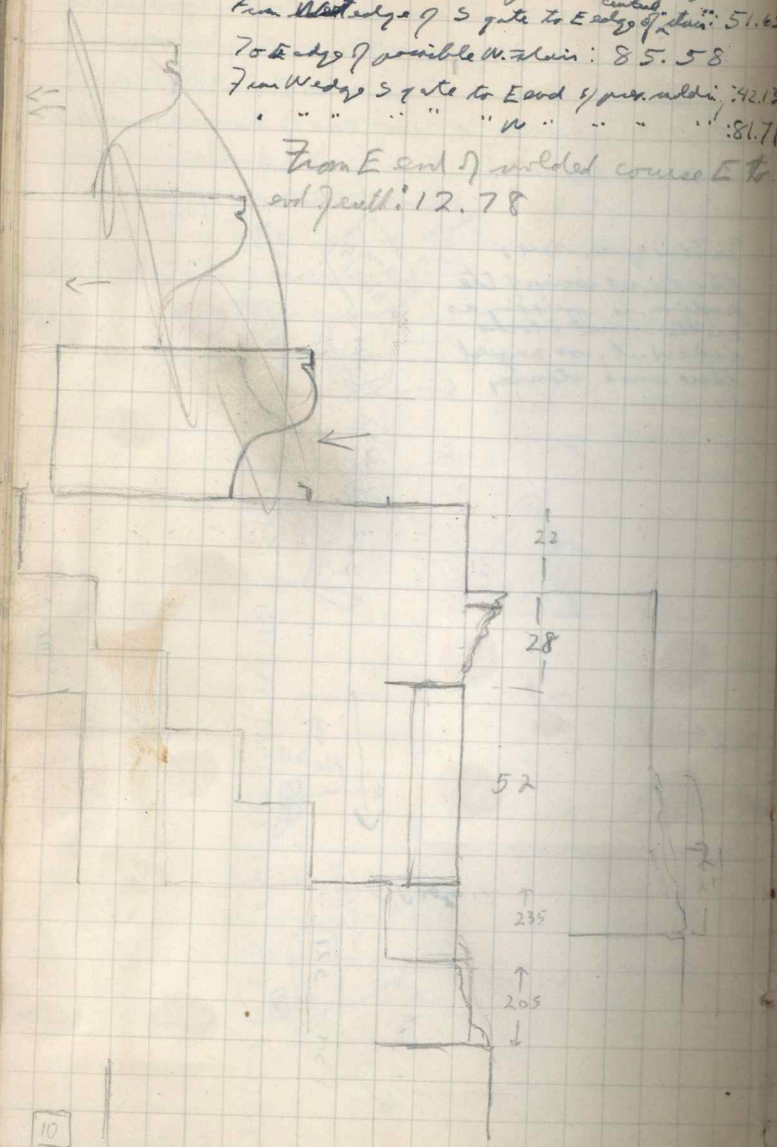
At the west end of block 77, a fragment of a stem basin with lug, as on fine Hellenistic entheotheke bowl.

At Mr. Hill's suggestion, turned over fallen block 4 on p. 150 as a possible candidate for the orthostates of the coping. Dimensions H 0.51; W. 0.1025; T. 0.31. Seems to be of same stone as lower coping course.

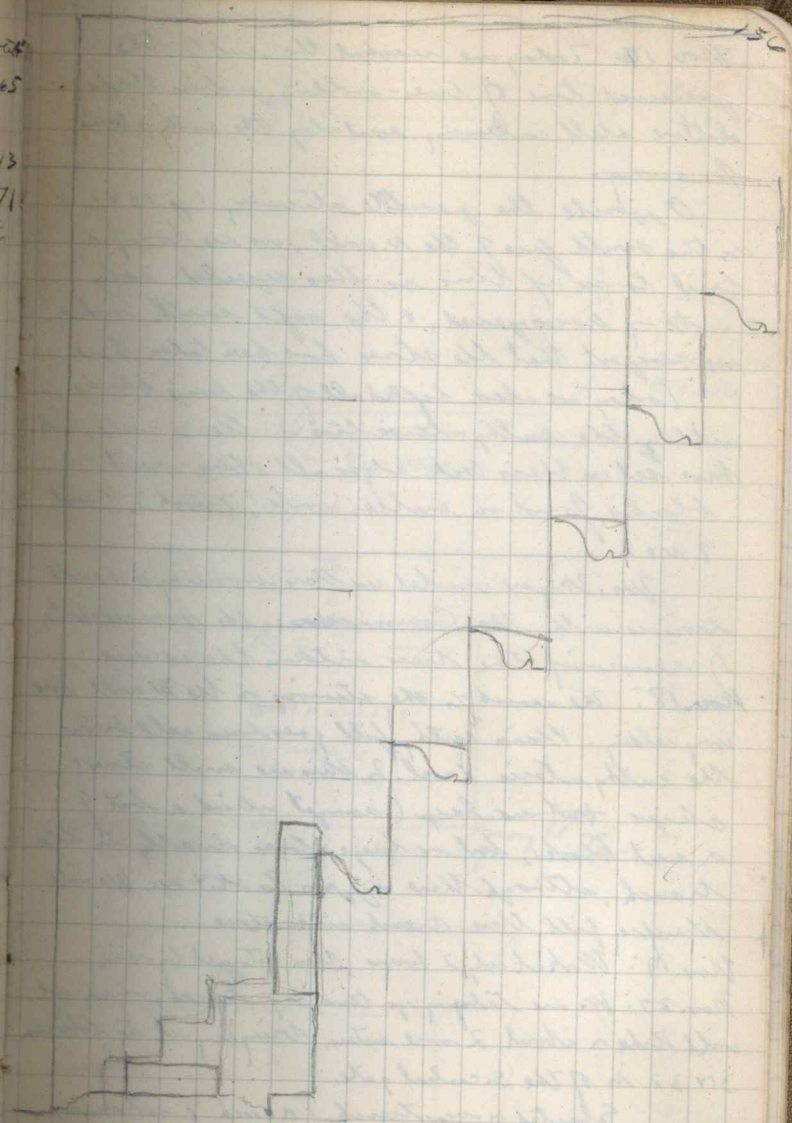


Extract from Chronology with
From W edge of S gate to E edge of curbed stair: 51.65
To E edge of possible W. stair: 85.58
From W edge S gate to E end of post. molded: 42.13
" " " " W " " " " : 81.71

From E end of molded course E to end of wall: 12.78



10



Nov. 17 Today we reached the end of the preserved line of town-wall orthostate blocks; but there still remaining resting on the earth-stratum for a way.

Opposite the gateway stairway (p. 154), on the south face of the N. wall, we are having a trial to see if this is there repeated. So far nothing has appeared, & the soft earth makes us suspect that the stones have been taken here.

Today we also lifted all of the large blocks resting on the earth-material line on the S. side, and have set on their back edges all other orthostat-blocks found in earlier work (Trench 3, Trench 9 N & S.

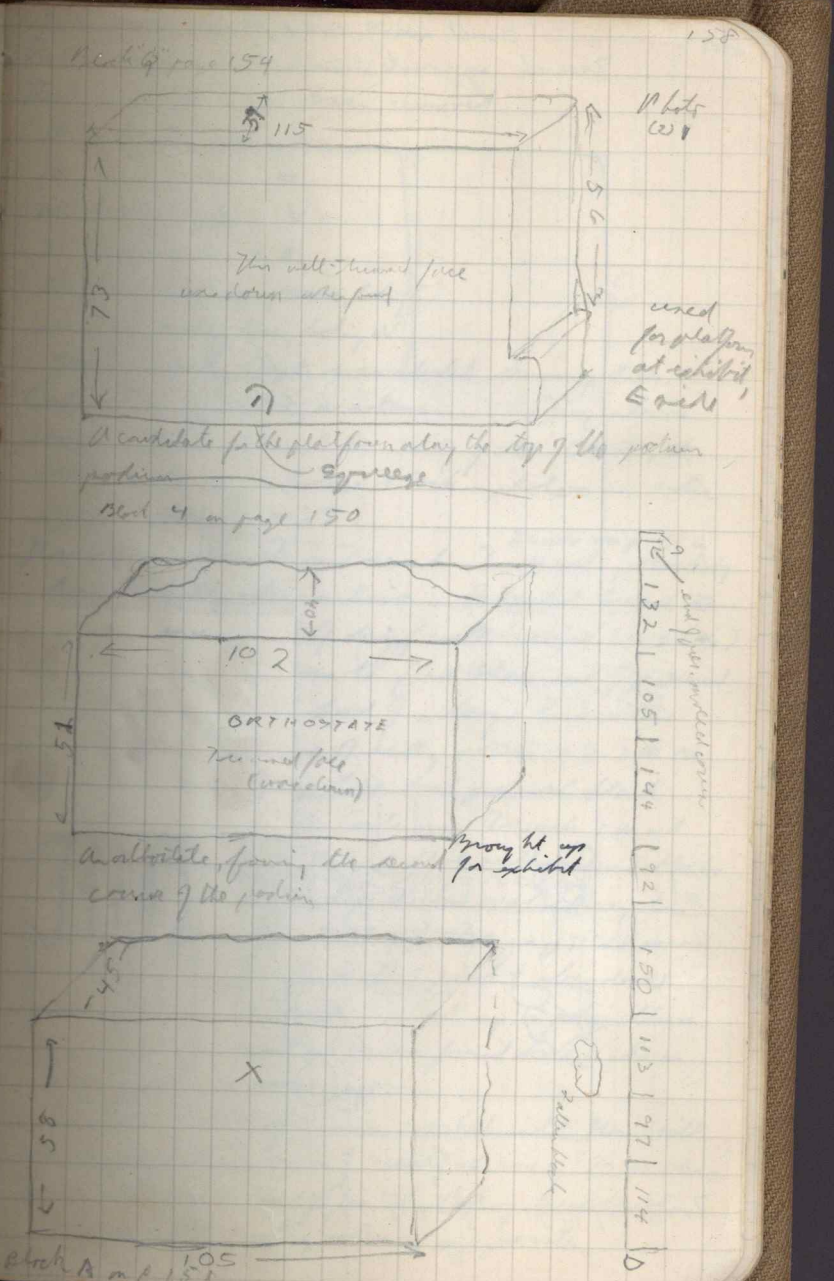
Mr. Hogarth visited us this morning & he will discuss with the Commissioners the possibility of removing the trees within the course.

Nov. 18: The south face of the stairway on the N. wall was very yielding. Plain earthy fill goes down well below the earth-material level. In this are small stone chips, but no large (except which a bit of a wall-block), but no large stones directly in the trench, although there appear to the E & W. We will therefore fill this trench with stone

Nov. 19: Worked only 2 hours, then stopped by rain

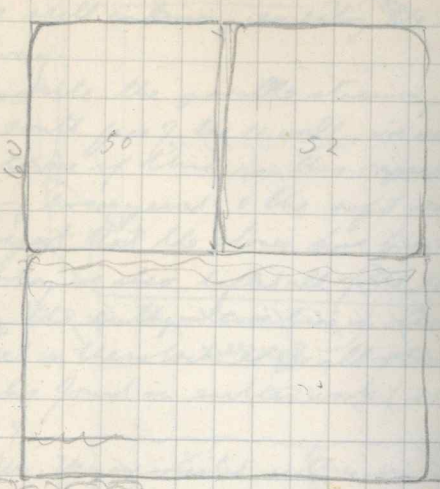
Nov. 20: We are tidying up this long trench, which we will take up about 2 more meters, bringing it to between 31 & 32 m of the S. central gate.

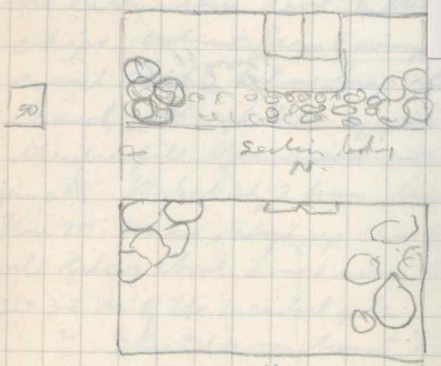
Started a new trench, Trench 7 extension, which will run along the earth-material line from the North Central Gate westward. This we hope to carry west to opposite the place where Trench 9, east end stops. Photo 17 shows this as we commenced.



South side of North Wall

Trench opposite "Central stairway" on S. wall





Found - 1 pig pipe. 1 piece of pottery of ware

Just previous to above Nov. 21 - No work - rain

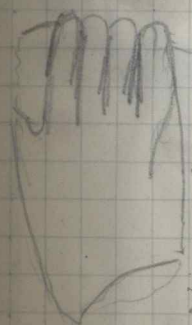
Nov. 22: Photos before trees removed:

18: From east, looking E
19: " " " W
20: From W of N gate, " N
21: From W gate, " E
22: From E end of coping course, looking E
23: From starting line, looking W

~~Sept~~ Forestry Dept. men started removing trees. Centered on Trench 7, W extension. Earthy interior course starts at c. 19 M W of gate. On it, at about 21 M W, a large block - photos in notes 24 (and 25 faces?) & 25.

Nov. 24: Continued on Trench 7, West., (Sketch see p. 176) bowling down to earthy interior line. Extended trench to line to reach end of high wall-course (c. 32 M.)

Bringing soil down to just below end of pavement, found head of a large lime-stone skeleton just on outer line of earthy interior & 2.20 M west of east of the last preserved block.



Nov. 25: Continuing Trench 7 West found that earthy interior blocks stopped in a short way to west (see next page) so covered it to that point & abandoned trench. Set up on edge three seat-blocks found here & shown on next page.

This afternoon worked with Mr. Hill. driving pegs down center of W half at every 20 meters (& 40 meters into E half) and taking their levels as compared to earthy interior opposite.

Nov. 26 - No work - rain

Nov 27: Only few hours work - rain. Earthworks on S side of W half ends.

Nov 28: Continued clearing earthworks line on S side & to meet central gate

Nov 29: More of same

Dec 1: Cleared earthworks line on S side all the way to central gate. At 12 M from gate (W) a test-block - right side up, more in where it would touch earth. (here lacking) At 5½ meters from the gate, a block measuring 98 × 53.5 × 30 (One large piece roughly split in half by quarrymen) (used for measurements of N gate, SW corner)

Grounds center of stadium, c. 22 meters W of central gate & c 5 m south of S earthworks line, a block was turned over

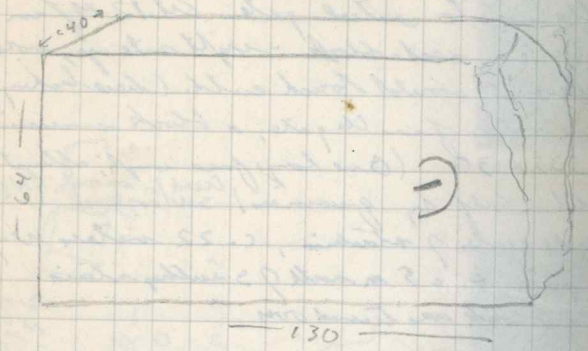
Brought up for exhibit

Dec 2 - Spent all day in bringing loose earth along SW earthworks line & dwelling within

Dec 3: All brought to basket today & cleared out brush, starting at E end.

Dec 4: Continued & finished clearing all brush from interior of stadium (except over seating area. Also removed

Trigonometrical point A on p. 154



Block B on p. 154

Dec 4 cont: dump south of S central gate to open it up, & cleared trench in path out to main road. ~~Set~~

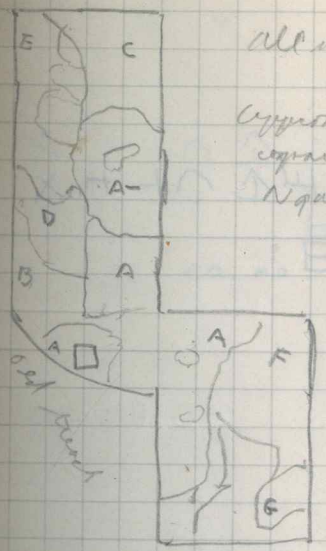
Dec 5: Opened a trench where cards were, trench 11, in first search for Teppa covering of p 140 + 161. Got a bigrid from PW + set it up.

Dec 6: Started setting up rest blocks with planks + rollers as follows: S 19 on rib 5 N, S 20 to 6, S 21 to 7, S 12 to north 2 (p 171)

Dec 8: Set up rest blocks on ribs all day as follows: S 8 on south 2; 13 on S 1; 10 on N 1; 17 on N 4; 14 + 15 on N 3 (together)

Trench 11, elevations Dec 1947 [58]

N



All natural bedrock

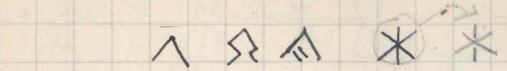
Approx. heights shown in connection with ± 0 = north N gate

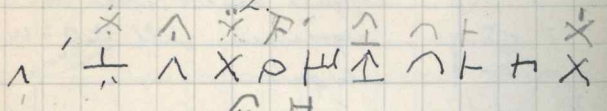
A: − .67
B: − 1.17
C: − 0.62
D: − 1.41
E: − 1.21
F: − 1.05
G: − 0.93

N gate

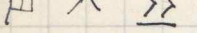
1405 at Melos

1.

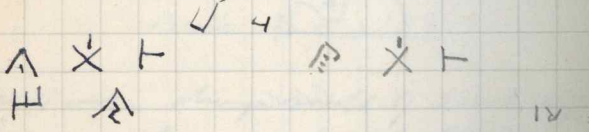




3.



4



No 1. = VII, 15

No 2 = VII, 11

. KO . KO . SE SI . A .

Γορσία?

of Page Γορσιάδας, a man from Kabadoo

KO KO . ME AO . . SE . KA . ? O . TA . NEI AU LO

O . . SE . KO . MO ?

SE KO . .

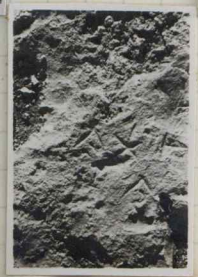
VO . I . TA

SE SI ?

SI I TA Γοισάδης?

SE SI of Page Oïdas, Lavros

No 3 = VII, 12

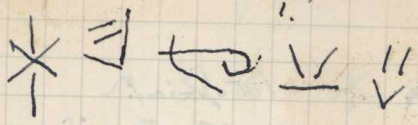


No. 4 = VII, 14

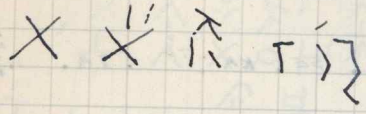
No. 4 = VII, 13

Tarpaulin (Knossos)

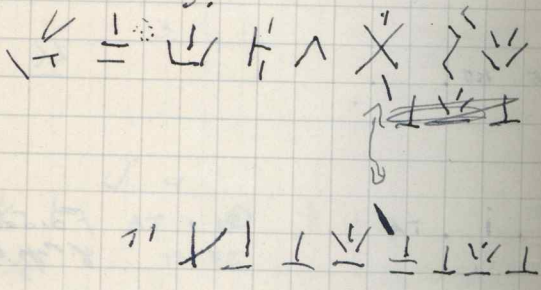
1.



2.



3.



A . . . LA TE . ?JI .

?JO . i .

. SO . ?PU . E . KO . A . PE . PI

O . TE . SO . O . TE . O.

Dec 9: Set up tripod, tower legs on bank, one below, at place chosen for reconstruction (SW quarter, somewhat west of stairway). Also set up following seat blocks on site: S16 on S3 "22 on 4 south. Brought following to "exhibit" area: S2, S6, orthostates on p. 158 (W) + on p. 117 (E), also block on p. 102.

Photo (2) 2 - Exhibit area, with tripod, 1 seat block (S6) lifted, + orthostate in place.

(bright) sun at optimum (enough.)

7 from gate S + E	7 from gate W
1: 145.5	1: 136
2: 152	2: 7 and 126 back 147
3: 149	
4: 115	

North wall, W gate	N wall, E & N gate
1: 137 (passage wall)	1: 128
	3: 147

7 from station to point 7:		276	= ~~1.77~~ = 2.030
7 to north wall, 5 from sphere		560 (doubtful)	= 1.47
7 to " " 6 from sphere		740 (white)	= 1.29
7 to 7 from sphere		900 sound	= 1.13
7 to 3 (just beyond ridge)		780 rock	= 1.25
7 to	4 south	610	= 1.42
	3 south	710	= 1.32
	1 south	820	= 1.21
	2 south	705	1.325

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LIST OF SEAT-BLOCKS FOUND

No.	SEATING SURFACE	"NOSE"	FROM EUTH. METERS	TRENCH	LENGTH	NOTES
1.	UP		150	4	c.77	MUCH BROKEN
2.	UP		120	4	c.71 79	TOP SLANTS DOWN BEHIND
3.	UP	OUT	130	4	c.83	CRACKED; PART CUT OFF?
4.	DOWN	IN	[c 1.00]	7W	c.78(+?)	ONE UNDER CORNER DOORWAY CUT
5.	UP	OUT	[c 40]	7W	75	CHIPPED
6.	UP	OUT	[c 10]	7W	83	COMPLETE
7.	UP	OUT	[c 1.40]	9N	77+	MUCH CHIPPED BROKEN MAIN
8.	DOWN	IN	4.20	9N	80	CURVED GOOD COND.
9	UP	IN	TOUCHING	9N	83	CURVED CHIPPED VII,2
10	UP	IN	20	9N	76	CURVED CHIPPED II,15
11	ON EDGE	UP	TOUCHING	9N	80+	BADLY BROKEN III,9
12				9N	80+	MUCH CHIPPED CURVED?
13	DOWN	NORTH	IN NW CORNER OR IN GATE	9GATE	78	CURVED SLIGHTLY CHIPPED II,13
14	DOWN	WEST	SOUTH CENTER OF ~~TEN~~ GATE	9GATE	76	FRAG. ONLY ALSO
15	DOWN	IN	40	SW ROW	91	BROKEN BELOW ALSO
16	DOWN	IN	30	SW ROW	84	BROKEN ALSO
17	~~UP~~ ~~DOWN~~	IN	125	SW ROW	81+	ROUGHLY CUBE ALSO
18	DOWN	EAST	190	SW ROW	92+	MUCH BROKEN ALSO
19	DOWN	IN	40	SW ROW	83+	NOSE GONE ALSO
20	DOWN	OUT	140	SW ROW	c78	NOSE GONE ALSO
21	DOWN	IN	35	SW ROW	72	WORN
22	DOWN	IN	40	SW ROW	75	BOTTOM BROKEN ALSO
23	DOWN	IN	90	SW ROW	82+	BROKEN IN 3 PIECES ALSO
24	DOWN	IN	40	SW ROW	85	BOTTOM BROKEN
25	UP	IN	[AGAIN]	SW ROW	84	ALSO 1.62 FAIR.

RIBS ARE COUNTED FROM W gate, N to S

WIDTH

.65 On rib NE 3 (W)
1.11 EXHIBIT
.60 On rib NE 3 (E)
.76 ~~on E 3~~
.99 On E 2
.755 EXHIBIT
c 1.00 On rib 9 Spreader NE
1.07 On rib S 2
.85 On rib N 2 On back, A
1.11 On rib N 1
1.22 On rib S 9
1.09 On rib N 2
.73 on rib 1 S.
c.60 N 3 On back, A
.68 N 3
1.22 On rib 3 S
.91 On rib 4 north
.96 On SW bank between rib 3+4
.98 On rib 5 north
1.18 On rib 6 north
1.05 On rib 7 north
1.20 On rib 4 South
c1.20 On rib SW 1
.99 On rib S 8
1.06 On rib NW 1

N - 1 & 2 on plan

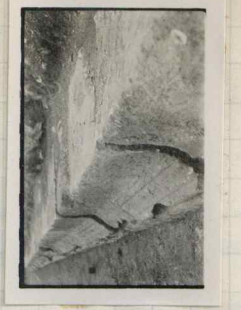
3 - 8½ 4 8½ 5 - 9 6 8 7 - 10½

to SW - 38 - 1 W - 12 Eby Apple - 10

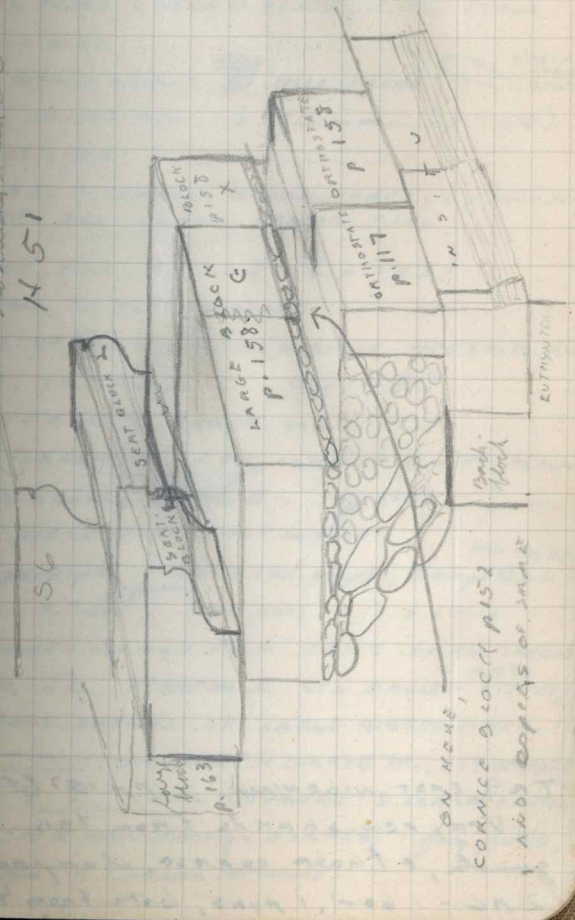
Zenith -

1 & 2 on plan 703 - 9 704 - 9½ Toronto - 26

~~Toronto~~ 705 - 13; 95 - 10; 1 SW - 31; Toronto - 7



VIII.
BEFORE BUILDING



Notes on contents of Sherd sacks from 1947 excavations

Tr 7, W.ext., fallen fill 16-20 m W (p. 160)
Kept: 2 R.G. plate sherds (L.R.A)
Dumped: bits of Amphora wall with subfaurt slip. Rimsherd, small double handle, double pinched amph. handle (coarse white clay), rim frag, bits of ribbed amphs

Tr 7, W ext, fallen fill 0-6 m. W (p 157)
Kept: RG frags: 1 base of plate, 2 wall frags.
2 frags coarse bowl.
Dumped: double handle, bits of bowl, 1 usual coarse sherds

Tr 7, W ext, fallen fill 6-16 m. (p 160)
Kept: Nothing
Dumped: All - coarse Roman wares. 1 piece pipe
Above all later Roman fill

Tr 4 W, fallen fill, 5-16 E (p 143)
Kept: frag. TC head of horse
Discarded: various bits, leg of horse. Hellen. to Roman

Tr 4, same, 16-end (p. 143)
Kept: 1 frag L. Rom. A bowl
Disc: Balance (few, coarse) - Roman

Tr 4, N of S above, ~~0-16~~ 0-5 E p 143
Kept: 1 piece pie-crust ware
Disc: 1 pc. pipe, 1 Med-Lamb. amph, Samp frags (Hellenistic)

Tr 10, Wid X-Ω', top soil - p 146
All dumped - only few very coarse sherds

Tr 10, Wid, Ω - stratum 2 (in fallen stones) & pack
Kept: many sherds of large ribbed amph.
: P ____. Dumped: 6 coarse sh., bit of pipe

Tr 10, Υ Φ Ψ - all (dumped - 5 coarse sherds)

Tr 2, W-NW widening. Dumped: 1 frag pithos, 1 lib, 1 pipe, 4 coarse sherds.

Tr 9, East widening - pp 157 ff
Very few sherds from this whole SW quarter, & those coarse, dumped, except 2 RG - 1 bowl, 1 pyxis, both from 4-10 m E of span

LEVELS, DEC. 1947

STAKES 1–9 RUN DOWN THE CENTER OF THE WEST END PART OF THE STADIUM (7 IS A MARK ON A CONCRETE)

STAKE 3 IS THE CENTER OF A LINE RUNNING N-S THROUGH THE CENTERS OF THE N.+S. GATES

STAKES ARE 20M APART (8–9 = 10M). 1+2 ARE E. OF THE GATES

⊥ O IS A MARKED POINT ON THE EUTH. COURSE ON THE WEST SIDE OF THE N GATE (O–Geo PAINT)

THE LEVELS ARE AT THE TOPS OF THE STAKES FROM EUTAYNERIA OFFICE

STAKE 1:	−12	−.005
2	-48	+.01
3	-47	{+.005 / +.045}
4.	-43	-.025
5.	-50	-.04
6.	-48	
7	-73	
8.	-42	
9.	-36	

RIBS

FROM N GATE, N+E

1.	~~+1.25~~
2.	
3.	+1.25
4.	
5.	~~+1.~~ 1.47
6.	1.29
7.	1.13

FROM EUTH (MEAS)

1.36	
1.26 (back 1.47)	

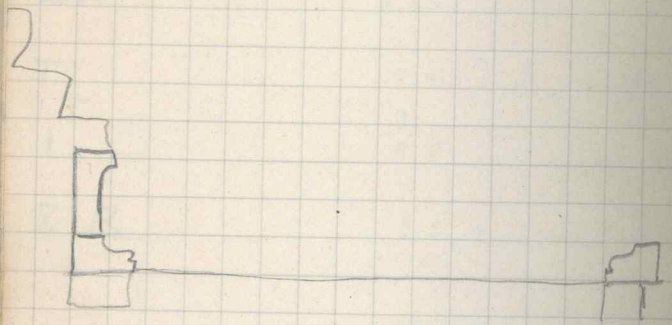
FROM N GATE, S+E

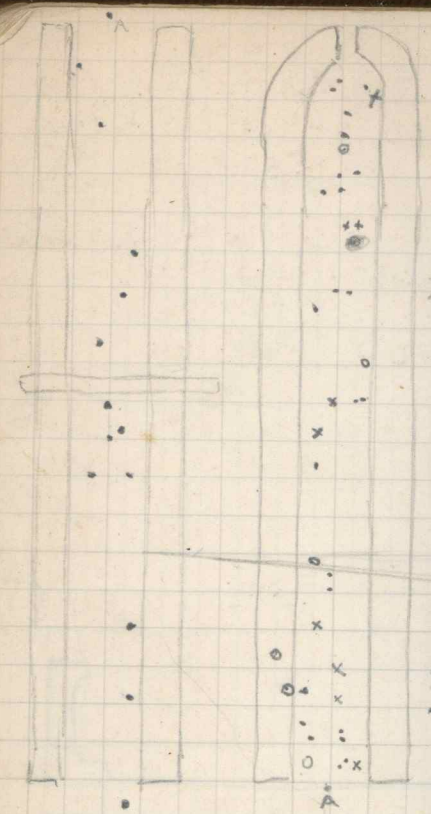
1.	1.21	1.455
2.	1.825	1.52
3.	1.32	1.49
4	1.42	1.60

1.26 1.26

LIST OF MASONS' MARKS FOUND

LETTERS	L. HEIGHTS	
△ I	4.5, 4, 5, 6	NE wall: IIIII
I △	5	" " I
△ I K	5-8	NE wall: I
K △	6-6.5	N.E wall: I
X	19	NE Vestibule: I
K, K	12, 12½, 10	NE vestibule: I, I, I, I
K	7½, 7, 6	N.E wall: II.I
△ K	5, 5.5	N.E wall: I
T I	9 · 9.5, 11, 12, 12½	N.E wall: III I
I T	9	" " : I
I	9 5	NE bb: I
B, B	8.5, 9	N.E wall: II





6 - GRAFTED CARDS 37 0 JUNIPER 3

X - CARDS, WILD 8 ⊙ WILD OLIVE 3

$\left(\frac{C^2}{2} \div 2P\right) + \frac{P}{2} = R$

Sect. Mark 10: Chord (square ends) 1.082

Central Perpendicular 0.0125

Radius 11.842

Sect Mark 8: Chord (square ends) 0.915 (½ = .4575

Central perpendicular = 0.010

Radius = 10.49

Sect. Mark 13: Chord 0.726 Perp. 0.012

Radius 5.49

512: Chord .715 Perp .05 Radius 13.78