

now
- are the
to 1976 M...
square excav
L.1?

for recovery of P.P. 178
see Notebook # IV
pp. 52 ff.

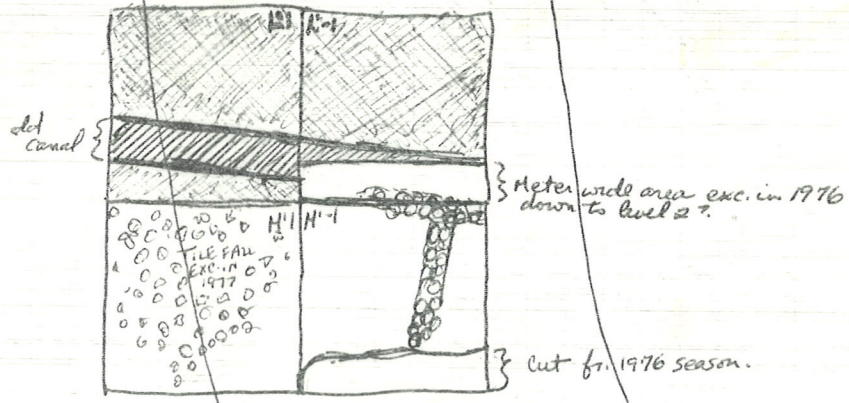
June 12, 1978

L'1, L'1 Level 1 (M) batt. 1 PZ-78. 4PL

Excavation begun in attempt to locate east extension of the farmhouse. * Soil is dark and ~~and~~ blackish; finds are few in number: one fragment of blackglaze ware, and various nondescript handles incl. a couple handles. * Level of batt. ~~is~~ is 0.14-0.15 m. down fr. the present top surface. A more proper level will be taken. The east side of L'1 is slightly shallower than the west end of the level - 0.12-0.13 m. in depth.

* Also the extent of the tile fall and concentration of stones in M'1. Soil of level corresponds to dark level of topsoil present in baulks throughout the site. It will be necessary to check the levels drawn last year to correlate the level terminology. The first signs of the old irrigation canal have now appeared in the southern half of M'1: yellowish soil.

* Also found were a few sm. frags. of Arretine, T.S., or unit. of sand ware which would put level into 1st c. B.C. @ earliest.



PZ-78-5P GREYWARE BASE

FIELD NOTES
BOOK # I

PZ-78

L¹, L¹⁻² Level 1 (11), batt. 2 PZ-78-6PL

Second batt. begun and in a bit of a quandry. The soil appears to be heavier than batt. 1 (Chesebrough in tent)

Material in ~~quantity~~ quality is ~~roughly~~ the same, the quantity may be slightly greater but very little. Difference in soil color may be solely due to the light which is highly variable, diff. in moisture content, etc. Material doesn't seem to warrant the demig. of batt. as lev. 2. Necessary to check Ruth's notes for her dealing w/ levels of H¹ (Notes are still in Texas, this will have to wait.) As best as I can fig. batt. 1 + 2 equal the level 1 of 1976 season, the top of which level was formed by a bulldozer cut out of the side of the hill. The drying of the soil during lunch has evened out the coloration of the soil, and reduced the doubts raised above. Pickings continue to be slim. Various nondescript sherds plus a few more sherds of Apertine-type ware in keeping w/ the first batt.

Roman nature of first level corresponds w/ my memory of the material found in the upper levels of H¹ in the 1977 season. Prof. Carter has raised the question as to whether this is a cont. of the ~~the~~ Roman dump in the N-S trench.

Work slowed due to continued problems w/ the well-point system
PZ-78-7B lg. none frag.

JUNE 13, 1978

L¹, L¹⁻¹ LEVEL 1, batt. 2. PZ-78-6PL

Work continues on batt. Munsell color reading of soil taken: 10YR 4/1 dark gray, moist. Soil texture is sandy. Color reading on old canal: 10YR 7/8 yellow, moist with many rocks and pebbles and streaks of dark gray clay.

Previous day's ramblings on color now seem a bit ridiculous.

Work continues at a slow pace. Batt. 2 measures at 0.30-0.31 m. below original surface of some variation as would be expected. Concentration of finds was higher in L¹ than in L¹⁻¹. The greater quantity of sherds in L¹ may ~~be~~ be associated with the activity in the area indicated 10.10.78. 1.1.78

(2)

in M¹. The next level should bring to light a continuation of the ~~sublevel~~ fall in M¹.

Level 2, batt. 2 finally completed, sherds few in no.: some Arretine-type ware frags, a black glaze frag, gray ware frag, lump of metal or iron slag, and various non-descript sherds. The features visible other than the trace of the modern irrigation canal.

PZ-78-9B ~~bone frag.~~ joint

June 14, 1978

L¹, L¹⁻¹, Level 1, batt. 3 PZ-78-10PL

Work finally begins on next batt. The area of the irrigation canal will be left unexc. from this point. The naming of the level will have to wait until a good sample of the material & soil can be examined. Also will have to discuss the nomenclature of the levels with Ingvald.

Levels

→ The confusion over the soil of level 1 was solved late yesterday when I finally took a good look at the walls of the squares. The dark blackish soil reported in the discussion of Level 1, batt. 1, derives from a thin layer of top soil varying in depth from 0.12 - 0.03m which has collected since the cut was made by the bulldozer. A layer of gray soil below this constitutes the first true level of undisturbed soil. The first batt. consisted of a mixture of these two soils, and the majority of finds can be attributed to the gray soil, although discarded sherds, tiles, etc. no doubt were present in the top soil level. Whether the designations of level 1, batt. 1, and Level 1, batt. 2 will remain unchanged will be determined after discussions w/ Prof.

Carter & Lidland.

PZ-78-11B 2 bone frags + 1 tooth

L¹, L¹⁻¹, Level 1, batt. 3

Batt. 3 finished on both sides of the irrigation canal. depth varies from 0.41 - 0.49m. from surface. Soil once again appears to be identical to soil of previous batt. Quantity

(3)

frags of Arretine-type ware, various assorted frags of coarseware, the ~~pieces~~ ^{pieces} of a cord, and a tile frag w/ a joining notch.
Levels → Beginning of the next batt. The finds on either side of the ~~main~~ irrigation canal will be kept separate fr. one another.

No level report drawn for Level 1, batt 3. No visible features except for irreg. canal and signs of some tiles and stones just at the surface.

L¹, L¹-1 Level 1¹, batt. 4¹ PZ-78-12PL South of Irrigation Canal.
Soil appears to be same gray sandy soil with which we have been dealing; consistency is more sticky, but this is probably due to presence of more moisture rather than a significant increase in the clay content. The number of tiles and stones present increased greatly, however they were not of such a concentration to indicate a tile fall. Shards were very few in number, however they may finally indicate a departure fr. the Roman period. There were ~~two~~ frags. of black glaze ware including ~~two~~ frags fr. the bases of cups. There is one small sherd ~~of~~ which may be Arretine-type ware, however I think that it is simply a sherd composed of fine reddish clay. It's surface is not polished enough for Arretine-type ware. Cut was shallower than usual due to concentration of tiles and stones, 0.20-0.22 m. in depth measured from surface of now unexc. irrigation canal.

Levels of Batts. 1-3 will remain Level 1. Level 2 as now designated seems to correspond to the Level 2 of the 1977 season in this area.
PZ-78-13P - BLACK GLAZE SHERD.

L¹, L¹-1 Level 1¹, batt. 4, North of Irrigation Canal. PZ-78-14PL
Soil remains unchanged. Increased concentration of tiles & stones as an area south of canal. Quantity of sherds continues to be small, and the non-Roman nature of the level continues to hold. Some red ware has been found, but it does not appear to be of Arretine-type. A large decorated black-glaze frag. has been found by Alfred the Good. Several ~~fragments~~ ^{fragments} have been found.

(4)

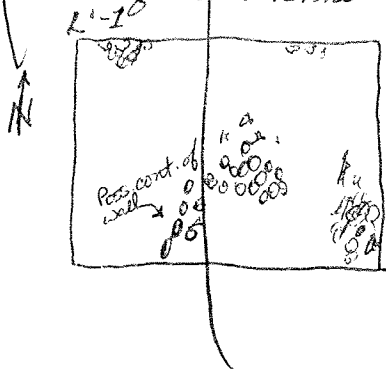
L'1, L'-1, Level 2, batt. 4 North of irrigation ditch. PZ-78-167 w/ ARCHED REIN. HAN

Prof. Carter believes that this material is simply a continuation of the dump found in the nearby N-S trench. If so we will shortly be down to the level of virgin soil in the N-S trench. PZ-78-17B Bone fragments

L'-1, Level 2, batt. 5. PZ-78-189L Blatth clay sheet (PZ-78-189L) Flat leaf design

At top of this level or technically even in level 3 a rowlett was done around the wall in L'-1. Numerous bone frags were found associated with the wall, these frags. have been covered w/ aluminum foil & bagged separately in a paper bag. PZ-78-19B Bone frags

L'1, L'-1, Level 2, batt. 4 North of irrigation ditch. Level completed; no features in L'1. In L'-1 there are several large concentrations of stones and tiles. Some of rocks may part of a crosswall of the wall in L'-1 south of the irrigation ditch. Numerous large tile frags of a flat type w/ upturned edges; clay of tiles is reddish-orange. Exact nature of tiles & stones is still not certain.



room by
the wall

21
9

2-0.57
0.00
1
5

1
11
turbid


the (5)

L'-1 where is well?
 - extreme SE corner
 - 411 (TAN) P

June 16, 1978

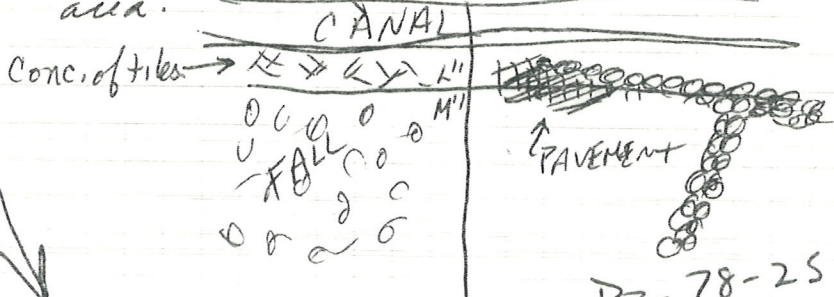
Down to top of wall in L'-1 we have same gray soil assoc. upper area. Assoc. with wall is a layer of dry gritty soil w/ layer of gravel south of the wall, material from this layer is char. brick material, incl. a brick rim. Level 2 = layer of the pavement assoc. w/ the wall. Level 1 = everything down to well and pavement. Level 3 = area below wall and pavement. Level 2 = Tile fall + below in L'-1

up on mat. virtually empty what mat. there is brick mixed in with above and below. some frags. of charcoal



~~L'-1 Level 2 (in fall) PZ-78-24PZ
 Bottom of level 1 south of orig. canal
 going through a concentration of tiles wh. is prob. a cont. of pavement tile fall in M-1
 Material is brick. Pavement in L'-1 south of orig. canal assoc. w/ wall doesn't appear in this area.~~

see below ↓



PZ-78-255.
 Gray sandy stone, poss. a grinding dish
 PZ-78-26 B ≠ Bow joint frags.

(1)

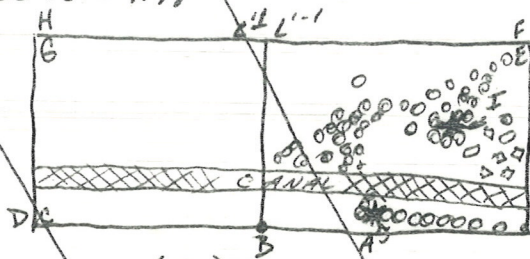
L¹ Level 1 ~~batt. 6~~ ~~see below~~ ~~above~~ and North of irreg. canal with batt. ~~be taken~~ down features in L⁴ were not affected, left untouched.

W/M-H
Lv. 4, batt. 1

When exc. of M¹-1 begins it will be lower portion of level 3. Level 2 the area of pavement prob. extended throughout the square based on Prof. Cartier's observation. The 1977 exc. of the square went through this level and also took out the top portion of level 3, the area below the pavement.

A sample of the ~~ground pavement~~ have been taken for later comparison of other soil, sample not for analysis.

TAKING OF ACTUAL LEVELS; LEVELS WILL BE TAKEN FROM K¹L¹-1 WHOSE LEVEL IS -7.16 AS ~~SEE~~ SIGHTED FROM M¹I, WHOSE LEVEL IS -7.78.



- A = -8.24 m. (Lv. 2)
- B = -8.26 m. (Lv. 2)
- C = -8.33 m. (Lv. 1, batt. 4)
- D = -7.88 m. (surf)
- E = -8.04 m. (Lv. 1, batt. 4)
- F = -7.40 m. (SURF)
- G = -8.22 m. (Lv. 1, batt. 5)
- H = -7.52 m. (~~not batt. 5~~)
- I = -8.01 m. (Lv. 1, batt. 4)

(6)

P2 81-410

L¹I, L¹I Lev. 1, batt. 5 P2-78-20PL + up to shallow batt. carried out cleaning around tile concentration in L¹-I. Bone frags, a circular bone, and a few small shells found.

L' 1 Level 1, batt. 6. North of orig. ditch

P2-78-232V

Another batt. has been begun and it will extend eastward toward the tiles and stone concentration in L' 1. Nothing has changed in terms of soil. Number of tiles seems to be increasing; possibly the fall in N' 1 slopes downward into L' 1.

L' 1 Level 2 (New) South of irrigation ditch.

Area of tile fall has been cleared to area of tile fall in H' 1.

L' 1-1 Level 2 south of irrigation canal - Cleaning of wall. - A large pyramidal boomweight has been in the course of the cleaning of the wall - (A special find in this case)



P2-78-28T

P2-78-27SS

Comp. sample of gravel pavement.

The tile and stone fall found last year in H' 1, H' 1-1 apparently continues over the wall in L' 1-1 into the section of L' 1-1 north of the canal.

L' 1 Level 2 (New) South of irrigation canal.

The batt. has been completed and the tile fall doesn't extend into the western corner of the area. As mentioned above this area.

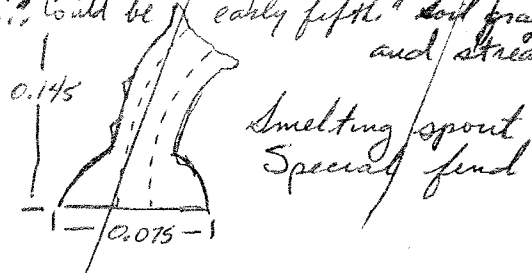
L' 1 Level 1, batt. 6

Numerous sherds in the material wh. Prof. Carter has ident. as imitation terra sigillata in keeping w/ present view that we have an intrusion of Roman dump.

(8)

M' -1 LEVEL ^{North} AREA NORTH OF WALL

Excavation of 1977 season took out both level 2 (Area of pavement) and level 3 (Area below pavement) Now level 4 being, as beginning fr. the top of the new wall found in the southern portion of the square. Material is completely of the sixth century: Ionic cups, urns, spout of type wh. seems to be smelting spout. Carter, "Nothing any later than the end of the 6th c. What's it doing here...". Could be "early fifth" soil gray clay w/ concretions and streaks of red sand.



~~M' -1 LEVEL 2 CLEARING OF TILE FALL~~
~~Tile fall area now being cleared~~ ~~Several~~
~~fragments of amphora frags~~

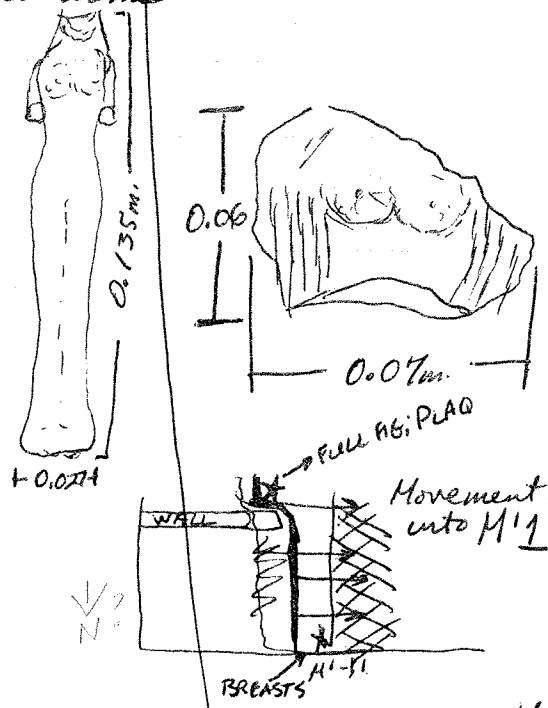
M' -1 LEVEL 4 AREA SOUTH OF WALL

Less material than in area north of wall. Most sherds are nondescript coarse ware, one frag. of banded dec. wh. appears to be 6th however there is ~~also~~ also a frag. of Gnathia ^{type ribbed} ware (4th c.) and a Keam type amphora handle. Also some black glaze frags. Material south of wall certainly lacks the consistent 6th c. nature of the material north of the wall.

A)

~~Ch...~~
M¹⁻², M¹⁻¹ Level #4, batt. 1

South of wall and ~~also~~ almost on M¹⁻¹-1 axis ~~on~~ a statuette has been found; head is missing otherwise body is complete; fig. of a goddess. Well ends after about 2m. and batt. now extends along full axis of sq. unit. and is working into M¹⁻¹. Very near M¹⁻¹-1 stake another stat. frag. has been found; this belongs to a larger plaque, only area of breasts & stomach survives with striations on either side belonging to long hair or garment over arms.



= Area of Rom. tile & stone deposit not cleared until digging of this part.

This batt. is a same level as level 4, batt. 1, however in the clearing of the Rom. stones & tiles in M¹⁻¹ it is entering the level 2 of that sq. wh. opens up ground

1977 H1-1 - notes say
L2 b1-2 = pavement
+ no L3
- but per 1977 notes
- L3 = pavement

check
section

11

thus would be expected. Some coarseware frags. appear to be Rom.; there are some black glaze frags, and some frags wh. appear to be 6th c. in keeping w/ level 4, also a lump of slag was found wh. is ~~present~~ interesting since a smelting spout was found c. 1.5 m. due east in the same level.

— LEVELS —

June 16, 1978

Level 2. Area of tile fall ~~has been~~ terminology has been maintained in H¹⁻¹, and level 4, batt. 1 maintained in H¹⁻¹. The combined square batt. at end of previous day contained mat. fr. both levels, the excavator to best of his ability has separate the material. Some mistake in sep. may have occurred, but it will involve ~~not~~ no more than a few ~~of~~ pieces of nondescript coarseware.

Level 2 + 4, batt. 1 are at same stratigraphic level, their differentiation is as follows:

Level 2 = area of Roman deposit of tile & stones which overlays the earlier bk walls and extends through squares H¹⁻¹ - L¹⁻¹.

Level 4, batt. 1 = level associated with wall in southern half of H¹⁻¹ (as yet unchristened). The level 2 about this is the area of the gravel pavement assoc. w/ the wall in the north section of H¹⁻¹ and level 3 is the area directly below ^{this} level 2 + above the wall assoc. w/ level 4/b1.

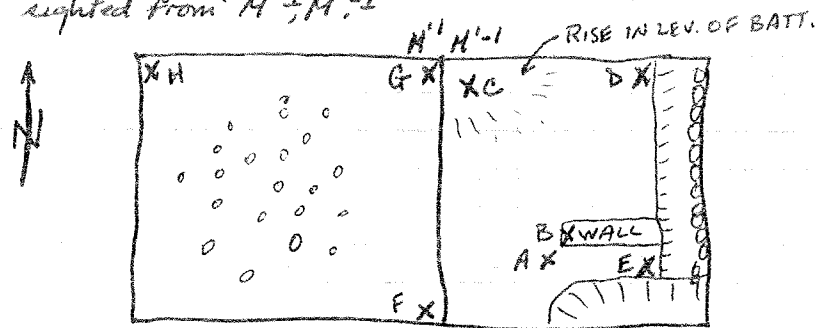
Levels 2 + 3 were excavated in the ~~1977~~ 1977 season where they were called level 2, batt. 1 + 2. The gravel pavement was not recognized by the excavator.

Material included several black glaze frags and a lekane rim.

H¹⁻¹, level 2 Area of tile fall. BATT. 1

Work continues on clearing out the Roman tile & stone deposit. Many frags. of amphora, ~~etc.~~ and other

Levels taken from K¹, K¹-1 whose actual level is -7.16 m. as sighted from M¹, M¹-1



- A = -8.61 m. : FIND SPOT OF FULL BODY FIG, LEV. 4, BATT. 1
- B = -8.47 m. : END OF WALL
- C = -8.46 m. : FIND SPOT OF FIG. FRAG., LEV. 4, BATT. 1
- D. = -8.55 m. : NE CORNER OF M¹-1 ~~ALONG~~ ^{BESIDE} BAULK ALONG WALL
- E = -8.62 m. : SE CORNER OF M¹-1 ~~ALONG~~ ^{BESIDE} BAULK ALONG WALL
- F = -8.62 m. : SE CORNER OF M¹ LEVEL 2, BATT. 1
- G = -8.53 m. : NE CORNER OF M¹ " "
- H. = -8.55 m. : NW CORNER OF M¹ " "

~~M¹ LEVEL 2, Batt. 2~~

~~Another batt. begun to clear out the Roman tile and stone deposit. Large number of tiles and stones remain. Materials are one again frag. of amphora and other coarseware vessel with some circular brownweights. At bottom of batt. a high density of tiles and stones no longer appears, therefore it seems that we are finally through the deposit of Roman material. A bit of mixture has appeared with a few like sherds of 6th, 5th-4th type found along with the Roman coarseware.~~

(12)

M¹-I Level 4, batt. 2 June 16, 1978

- 66P Work begun on this batt. w/ separate boxes for areas north and south of wall in south half of sq. Soil north of wall is gray with high sand content.
- 66P (2 cup) The soil south of wall has a very high clay content, gray in color w/ some streaks of red sand.
- 67B South of wall several tiles, some bronze frags., a votive vessel, and other frags. have been found and are being trowelled by Prof. Carter. Possible indication of a floor assoc. with the wall.
- Shell frags
- 68M North of the wall a sm. frag. of what appears to be an enthroned fig. has been found along w/ a large lehome rim frag.
- Metal frags
- South of the wall - the streaks of red sand in the clay run throughout the material; in some places c. 9, 10 m. in width of some concentrations.
- South of the wall conc. of material - Thin sheet of bronze with one curving edge poss. orig. part of a circular piece. Large concentration of pott. frags. incl. a ~~frag~~ ^{broken} but whole votive vessel.
- Large number of small shells found in assoc. w/ the votive vessel.
- Material both N. & S. of wall is to all appearances purely of the 6th c. even though it stratigraphically is too high. Prof. Carter bel. that for this conc. to have maintained its purity it could not have moved too far. Poss. washed from the west nearby to present location.
- South of wall - Among finds is a strip of iron and the head of a nail.
- North of wall - In addition to large no. of 6th c. sherds there ~~were~~ ^{were} several stat. frags. incl. a large and small head. Giuseppe says that there is a pavement at the bottom of the batt., if it is the 6th c. pavement our prob. of the presence of the 6th c. material is solved.
- South of the wall - in the conc. of sherds there ~~was~~ ^{was} a concentration of carbon, limed; one of the frags. ~~was~~

All of stat. found in M'-1, Level 4, batts. 1-3 have been found in the northwestern corner of the square.

M'-1, Level 4, batt. 3 South of wall. SI PL
Relatively small quantity of sherds still appar. 6th.

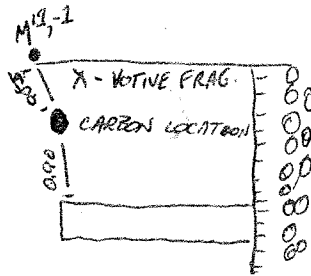
M'-1 Level 4, batt. 3 North of wall. 82B shells
83P cup

CARBON SAMPLE - TO BE SENT TO TEXAS! 80SS

85PI
81B

LARGE CONCENTRATION OF CARBON c. 0.40m x 0.12m.
ABOUT 0.80m. N. OF WALL
ABOUT 0.85m. SE. OF M'-1 STAKE, ACTUAL LEVEL - 8.67
MATRIX - GRAY CLAY W/ STREAKS OF RED SAND AND NUMEROUS
ROOTLETS. ASSOCIATED MATERIAL: 6th c. POTTERY SHERDS AND
VOTIVE FIGURINES.

79T figs



Conclusions

Quantity of pottery has decreased; Lebane rim fragment
other various sherds; 6th c. character remains. Fragmentary
anthropoid figurine found in NW corner of area as w/
other fig. frags; see ABOVE.
*SEE BELOW.

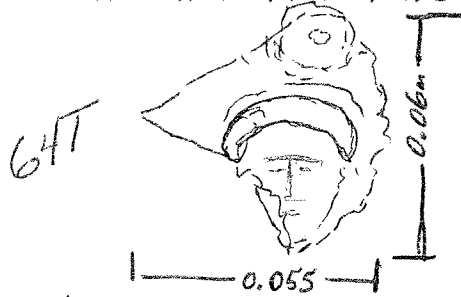
M'-1, Level 3, batt. 1 59PI

Soil has a higher content of gray clay along w/ streaks
1M Slag of red clay as has been encountered in M'-1-1.
Material is apparently 6th c. Mh. based on two distinctive
rim frags. found at this point; marked change
from the heavy Roman coarseware of level 2 which
corresponded to the area of the Rom. tile + stone deposit.
Level 3 designation based on change of material +
increase in amount of clay. This level 3 ~~is~~ stratigraphic
level in Level 4 of M'-1.

(14)

be confused w/ the level 3 of M'-1 as designated this year. A level which ~~is~~ was taken out in the 1977 season w/out being recognized. The confusing nomenclature of the levels of these adjacent squares will have to be resolved at a later date.

- FRAGMENTARY MALE VOTIVE HEAD OF TARENTINE TYPE HAS BEEN FOUND IN THE CENTER AREA OF THE SQUARE.



A few frags. of Roman. coarseware have appeared, notably a frag. amphora base. These sherds are heavily outnumbered by the 6th c. Oc. material, and no doubt simply leached down from the Roman tile + stone deposit of level 2.

* TO BE ADDED TO DISCUSSION ABOVE.

M'-1 LEVEL 4, batt. 3.

Numerous stones have appeared at the bottom of this level notably along the north boundary of the square. Giuseppe has ident. these stones as part of the 6th c. pavement, further troweling is necessary before any final determination can be made.

→ M'-1 Level 3, batt. 1

(15) A layer of the Rom. tile + stone deposit is still present at this level along the west edge of the square w/ a width as great as 2.0m. ~~Technically~~ This explains the presence of Rom. material noted earlier. Technically this area belongs to level 2 since it still has tile + stone deposit; however this distinction has

an odd mixture of material is present in ~~the~~^{the} box of material labeled M' 1, Level 3, batt. 1. The 6th C. material is from the ~~the~~ eastern 3.0 m. or so of the square and is related to the 6th C. level of the H' 1. The Rom. coarseware and bone frags. belongs to a deep penetration of the Roman kiln and stone deposits in the western 2.0 m. of the square. Yet another area for later workers with this material ~~to~~ for which to keep their eyes open.

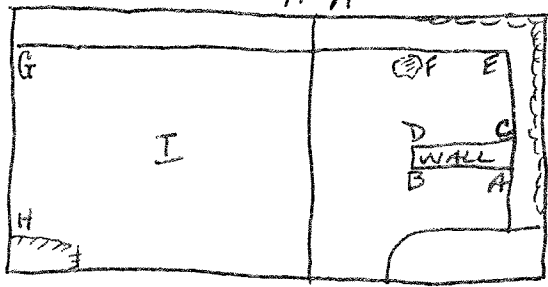
- Note ~~there~~ some Greek material ~~has~~ has also appeared in the area of the Roman deposit; prob. from the lower area of the batt. below the Roman material: notable is a large rim frag. of a thin walled banded lekane or similar bowl, and another ~~to~~ thicker walled lekane rim frag. Lump of iron slag also found in this level.
- ✓ Check the lekane rims with Agona publications to see if any date of value can be attached to them on the basis of the Athenian material.

M' 1, Level 3, batt 1

The apparent pavement noted along the north edge of H' 1, continues into M' 1.

LEVELS - TAKEN FROM K' 1, -1 whose actual level is -7.16 m. as determined from M' 1, -1 (-7.78 m).

- A. -8.80 m.
- B. -8.80 m.
- C. -8.79 m.
- D. -8.83 m.
- E. -8.71 m.
- F. -8.67 m. on lg. stone.
- G. -8.78 m.
- H. -8.81 m.
- I. -8.80 m.



M' 1 at level 3, batt. 1 } see above for
 M' 1 at Level 4, batt. 3 } discussion of levels.

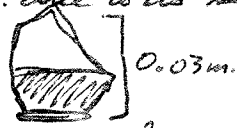
(16)

June 19, 1978

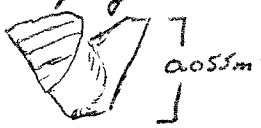
M'1, Level 3, batt. 2. 90PL

91P votive jar
base
92B
93M slip
94T
95S wood

Work on batt. begun. Soil continues to be gray clay as before w/ streaks of red sand; the quantity of red sand may be slightly greater in this batt. than the earlier ones but not to a significant degree. Material is all archaic in date, although the number of sherds is very small: lehave rim frag., several 6th c. type cup rims w/ banded decoration. Prof. Carter believes that the cup rims belong to an early period than what we have been finding; poss. med-6th c. Two clumps of iron slag have ~~been~~ also been found in the batt. One frag. base of black glaze band of decoration wh. due to its size appears to be a votive vessel.



One statette frag. has also been found; poss. an arm w/ some drapery on it.



More pavement has appeared at the bottom of this batt. At this point it appears to be composed of finer stones than is usually, however more troweling and sweeping must be done.

A piece of wood c. 0.075m x 0.043m. has been found and covered w/ alum. foil and bagged. Work completed on batt. except for final trowelling and sweeping.

(17)

89P M'-I Level 4, batt. 4 South of WALL. 88PL

Work begun on batt., soil continues to be gray clay w/ streaks of red sand, Munsell 10YR 5/1 moist, gray. Finds few in no.; like one seen, some glazed ware, some ware w/ banded dec; none frag. Greek char. of finds continues.

M'-I Level 4, batt. 4 NORTH OF WALL 104PL

Work begun on this portion of sq. also; soil remains unchanged: gray clay w/ red sand. As in area south of wall finds are scanty; some glazed ware.

M'-I Level 4, batt. 4 South of Wall
Pavement has now appeared at the bottom of this batt.

~~L'-I LEVEL 2, batt. 1 NORTH OF IRRIGATION CANAL
Level 2 defined as before in the area of the Roman tile + stone deposit. This area along with L'-I will now be brought down to the level of M'-I to determine if the pavement and ^{etc.} material continues northward.~~

M'-I, LEVEL 3, batt. 3. 96PL

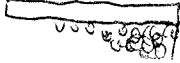
98P This batt. will bring the square down to the stratig. level of the pavement exc. in 1975. The pavement which has been found in the previous two batts will of course be left untouched. Soil remains unchanged: gray clay w/ streaks of red sand.

99B
100S QUARTZ CRYSTAL

M'-I Level 4, batt. 5. South of WALL 106PL

Batt. begun which will carry this area down to the level of the pavement exc. in 1975. Soil remains gray clay w/ streaks of red sand. Very little material present. More pavement has appeared.

(18)

 Area left untouched

M¹-I Level 4, batt. 5 NORTH OF WALL. 105 PL

Batt. begun which is working around the exposed pavement. ^{the soil from the previous batt.} Soil continues to be gray clay w/ streaks of red sand. Very few finds.

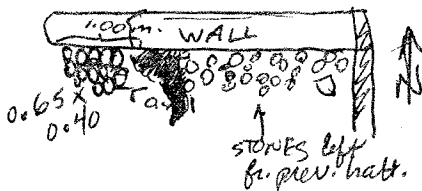


Areas left untrucked by batt.

M¹-I Level 4, batt. 5. South of wall.

There is a concentration of blacker soil along the wall. The conc. begins about 1.00 m. from the west end of the wall.

Its Munsell reading is 7.5R N3/ very dark gray, moist. Soil is still clay w/ streaks of red sand. Darker color of clay may be due to ~~the~~ the presence of charcoal or pers. some other reason; no carbon lenses are visible in the clay. The complete extent of this layer of dark clay can not be determ. since it goes below a conc. of stones left from an earlier batt.



M¹-I Level 4, batt. 5. North of wall.

In NE corner of area the concentration of red sand in the ^{soil} clay is noticeably higher. This may indicate virgin soil, a possibility echoed by Alfreds.

(19)

M' I, Level 3, batt. 3

Material predominately archaic in character, however some sherds such as a gray wall frag. and ribbed-Suathia-type sherd speak of much earlier periods. These latter pieces prob. leached down from the Roman dump deposit. Although I don't know their find spot in the sq., I would guess that it was along the ~~west~~ side of the square where the Roman deposit went down the furthest.

M' I Level 4, batt. 6 North of wall 101 PL

Area with exception of conc. of stones taken down to virgin soil already noticed at the end of batt. 5. No finds.

108 S
Sandy Rock
109 B
110 P

M' I, Level 3, batt. 4. 103 PL

Another batt. taken in hope of reaching virgin soil. Pavement uncovered in earlier batt. left untouched. Relatively small quantity of sherds all of which are of 6th c. date, including a lekane rem, a large rem + side frag. of 6th c. type cap. Virgin soil appears to have been reached.

L1 | L2 b1

What about L2 tiles
from M1?

21

see contours

June 20, 1978

M'1, CLEARING OF WHEEL BARROW RAMP. 120PL

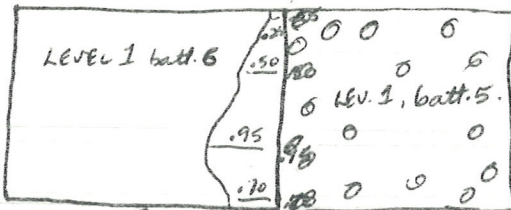
21P The wheel barrow ramp is being cleared out.
The material will be a mix of the three levels and
various batt. of this square.

L'1, Level 2A, batt. 1 North of Irrigation CANAL

116PL

117P
118T
Cros 1mm
119B

level will have to be determined after a discussion w/ higher authority. Exc. of this sq. stopped at lev. 1, batt. 6, except along its eastern side where ~~a~~ an extension of the tile ~~floor~~ + stone deposit in L'1 was left at lev. 2, batt. 5. Many stones and tiles are in the present batt. and material is Roman; certainly belongs to



the time of the Roman deposit of stones and tile.

Material: Large coarseware frags., frag. of Arretine-type ware, a round loomweight, and numerous bones and bone frags.

M'1 LEVEL 3, BATT. 5 122PL

123T
1mm

Although I had thought that virgin soil may have been reached yesterday, we are going down another batt. Soil continues to be gray clay, however the quantity of sand in it has increased. Finds are very few. * At the top of this batt. in the SE. corner of the square a short continuation of the pavement already uncovered has appeared. No new features visible in batt. This finally may be the last batt. in this square. No we aren't * most notable find is a small pyramidal loomweight, 0.068m. h.

21A

L¹⁻¹ Level 2, batt. I North of irrigation canal.

Although at present ^{112 Ph} some confusion exists as to the level of L¹⁻¹. This ~~level~~ level has been designated as 2 due to the presence of the Roman tile and stone deposit following the previous definition of the levels. L¹⁻¹ and L¹⁻² will now be brought down to the level of H¹⁻¹ and H¹⁻² to determine the extent of the 6th c. level.

113T
114T
115B
192T

L¹⁻² Level 2A, batt. I North of irrigation

Soil is sandy in texture w/ a gray clay base, lighter in color than the lower levels with their higher clay ~~concentrations~~ concentrations, Munsell 10 YR 6/1 gray, moist.

L¹⁻² Level 2A, batt. I is related to but not equivalent to L¹⁻¹ Level 2, batt. I. Level 2A in L¹⁻² begins one batt. lower than Level 2 in L¹⁻¹.

Level 2 in L¹⁻¹ properly is the area of the Roman tile and stone deposit, whereas level 2A in L¹⁻² although ~~related~~ related in material did not contain a conc. as found in L¹⁻¹. Note, see above that above the east side of L¹⁻¹ there was an extension of the deposit in L¹⁻² which properly is level 2.

The mat of this area however was included w/ the rest of the material fr. L¹⁻², batt. I to avoid further confusion.

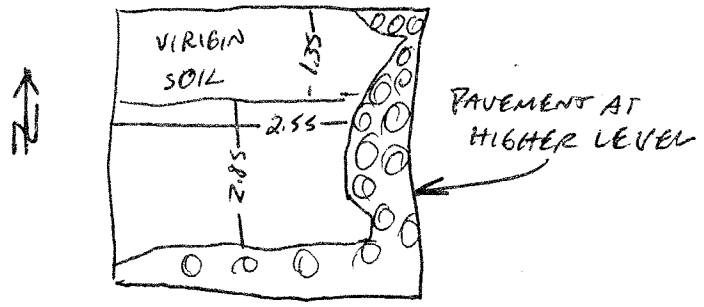
116
117



M¹-1 Level 3, BATT. 6. 124 PL

125P

Virgin soil is ~~long~~ present in the north 2.0 m. of the square. South of this virgin soil is an area of blackish soil, Munsell 10YR 3/1, very dark gray. Its texture is clayey, but it also has a high content of sand. There is a layer of the purer gray clay, as encountered elsewhere, below this dark layer, and an apparent pavement is associated w/ this layer of clay. Prof. Carter remembers a similar situation in O¹-3 during the 1976 season. Yesterday some pottery was found in M¹-1 which Prof. Carter thought was earlier in date than the previous 6th c. material found. Prof. Carter believes that this is either an earlier pavement or possibly an alluvial zone w/ a wash of earlier material. This area for the present will not be clarified further, since there is pavement of a higher level directly south of it. Time allowing a ~~some~~ sounding will be made at the end of the season for additional clarification. The area of this batt. was only 2.85 x 2.55 m. bounded by pavement on the east & south and virgin soil to the north. Material was very scanty; some glaze ware and various nondescript sherds.



62

27
0'± Level A, batt. 1 126 ft ~~126 ft~~

27P This area was first excavated in 1976. Until we can determine at what level the excavation stopped, the levels will be designated as A, B, C, and so forth. The first batt. is an area of a tile fall or concentration, therefore Level A will ~~be designated~~ indicate the area of the tile cone.

The soil is the sticky gray clay encountered throughout the site. Alfredo says that it is a deposit from when they dug the canal. However there are finds in the clay and at this level I am skeptical as to whether it is actually just ~~of~~ refuse from the canal.

1'± Level 2 batt. 1 North of irrig. canal. Batt. completed; small concentration of stones in NE corner, no other features visible. Material: large coarseware frags, some frags of Aretime-type ware, one large pyramidal loomweight 0.13 m, many large bone frags.

0'± Level A, batt. 1 Batt. not yet complete, going slow due to toughness of clay. No features as yet visible. Material: relatively small quantity. numerous coarseware and black glaze sherds of Greek char. Two cleaned rim frags, various bones incl. two teeth.

JUNE 21, 1978

NO WORK; ENTIRE CREW AT INCORONATA



JUNE 22, 1978

- MIMO WAS ABSENT FROM WORK. "SERVIZIO" at Pistone.
- Most of morning taken up w/ clean up operations on the east side of the excavation.
- FIRST DAY OF WORK W/ THE DUMPER.

O' LEVEL A, batt. I.

Caution should be exercised in this context of tile shapes, since I know next nothing about the usual of tiles. These two types may be contemporary to forms.

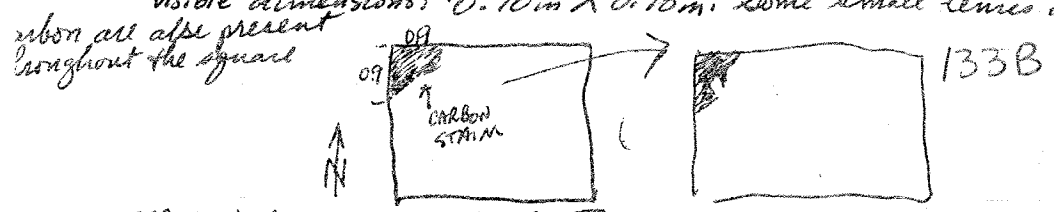
Batt. begun on the 20th, now finally gotten back to for completion. The tile concentration mentioned in the discussion of this sq. on the 20th lies in western half of the, approx. 20x20m., and doesn't extend into the remainder of the square. This may be yet another continuation of the Rom. tile + stone deposit to the North, although as of this point there has not been a high density of Roman coarseware in the area of the tile and stone deposit. Soil continues to the usual gray clay, but it contains unusually large streaks of red band with some streaks as wide as 0.10m. Only one rim of a large storage vessel, and the conc. of tile ~~is~~ also is not as heavy as in the deposit in N' + L'.

The tiles of this deposit are of a different character than the tile of the Roman deposit to the N.; they are thinner, walled and, although some ~~to~~ upturned edges exist () as above, it is not a common edge type in this area. The edges of the tiles in this area with very few exceptions differ little fr. the thickness of the tile itself (). Photographs have been taken illustrating the difference betw. these tiles. Also no triangular tiles for the constr. of ~~brick~~ tile columns have been found in this

(74)

~~L' 1~~ LEVEL 2A, BATT. 2. NORTH OF IRRIG. CANAL

Soil remains unchanged from Batt. 1. 132 PL
LARGE AREA OF BLACK STAIN IN NW CORNER of sq; layer of
~~the~~ carbon. wh is visible extending into the basille.
visible dimensions: 0.90m X 0.90m. Some small lenses of
carbon all also present
throughout the square



Material continues to be Roman: large coarseware
sherds, some gray ware and frags of Arretine type ware *
Some large stones visible at bottom of batt; probably
just dumped stones rather than part of a wall or
other feature. * Numerous bone frags also present.

O' 1 Level A, batt. 1 128 PL

29B
30M

An area, approx. 10m. in width, along the
~~the the the~~ west end of the square was left at a higher
level by the 1976 season. The material fr. this
area had included more ~~frags~~ large coarseware
frags than had been encountered in the rest of
the square. This is also the area where the diesel
pump was located in the 1977 season; among other
things there is a large diesel fuel stain here as a
reminder. The installation of the pump in 1977
involved a certain amount of digging around,
therefore this western section of the square has
been disturbed.

L' 1 Level 2, BATT. 2. NORTH OF IRRIGATION CANAL

Soil remains gray sandy variety as found in 134 PL
Material so far includes a large frag of
a grayware plate and a circular coarseware
sherd
the contains
some small
lenses

GRAY WARE BASE -



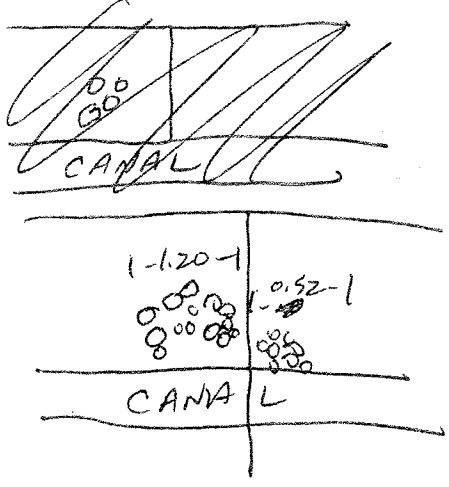
135P
136T Cir. 1mm. 137B
0.16m

O'I Level A, BATT. 2 131 PL

BATT. BEGUN VERY LATE IN 2AY; only 3 sherds found in limited area - nondescript

L'I LEVEL 2A, BATT. 2 / L'I LEVEL 2 BATT. 2 N. OF IRR. CANAL

Two sizeable concentrations of stones and tiles have appeared in these two squares near the irreg. canal. Although they are prob. not walls, they will be exam. carefully tom. bef. they are dismantled.



51

Alfredo & S. Biagio ABSENT June 23, 1978

K'-1 ~~Am...~~ Layed out stakes w/ assistance of ~~M...~~
Level 2, BATT 2 N. of Irrig. Canal 144P

143 P
RMPH.
146 B

Batt. conti. soil conti. to be gray sandy variety. Rock conc. in NE corner was removed, proved to be not a feature. Finds few: some bones, lg. amph frag, circular loom wt. & a few nondescript sherd. Bottom of batt. is c. 1.04 m. down fr. North wall.

O' 1 Level A, BATT. 2.

Soil still gray clay, finds few: at this pt., one black glaze sherd & various nondescript types

K'-1 Level 2, BATT. 3 North of Irrig. Canal 147P

148 P
14 3
150 T
ST.

This batt. begun. Soil is very damp; ~~soil~~ soil ~~seems to~~ feels like it has a higher clay content, however this may be due simply to ~~the~~ its wet nature. The high content of sand is still present. Pattery seems to have taken a change: there are two frags w/ a yellow slip & red line dec. Raphael has just pulled out what may be a sm. statuettes frag. I don't think that there has actually been a change in the soil, the material change is interesting. Dinger who is at the site helping w/ level taking says that a few sherds w/ ~~thin~~ red band dec. have appeared ~~at Pizzich~~ but w/ narrower red ~~band~~ bands. Some frags. of gray ware have appeared along w/ some frags of iron slag. I have told the workers to leave the stone concentration uncovered yesterday. I doubt that it has any significance, but it can always be removed later. Some tiles are visible at the bottom of the 1st level.

67

is small. We may be in a zone which contains the remnants of the Roman dump and lies above the Greek material, a twilight zone between the two ages.

~~Excavation~~, BATT. 2

L' 1 Level 2A, BATT. 3 N. OF 1R16C-138PL

139T
140P
141B
142P
143M
POSS. HANDLE

BATT. begun and as in adjacent square the suspicious stone concentrations are being left for the ~~time~~ present. Finds so far: coarseware frags & some bone frags all in keeping w/ the Rom. dump deposit.

Level A BATT. 2

Some large coarseware frags and a circular loomweight have appeared. These finds of Roman character once again come from the higher area along the west edge of sq. as mentioned yesterday. This must be taken into account so that the evidence of the pottery is not misleading. I am sure that this Roman material belongs to the Roman dump deposit in which we've been dealing. Some of this deeper area to the west will be left for a dumper ramp the rest as usual will be brought down to the level of the rest of the batt. A few stones are visible at the bottom of the batt. which may indicate walls or pavement, however it is difficult to ~~be~~ feel due to the dumper tracks. The next batt should come down to the level of the pavement already excavated.

THE LAYING OF STAKES : A NOTE.

TODAY MICHAEL GUARINO, GINGER HALE, AND JACK ENGLERT HAVE LAID OUT NEW GRID STAKES. MOST OF THE OLD ONES HAVE LONG AGO ~~BEEN MOVED~~ ^{DISAPPEARED} OR ~~WAS~~ BEEN MOVED FROM THEIR correct position. We have tried to set ~~the~~ the grid out as best as possible but have

(58)

~~Trans 77-78~~

N'1 LAB2 = 01 W
or east?

(if west, should be
Roman, not 4th c)

sight is a primitive and inaccurate instrument and its very nature makes exactness impossible; the lack of accurate set points to work from in laying out the grid, we relied primarily on N'1-1 and K'1, 0-1 (the latter had been laid earlier in the season by Tom Hale, Michael Beavens, and Jack English) and went from there. We laid out the stakes to the best of our ability, and double and triple checked whenever possible. The grid as now laid certainly is as accurate as it has been for a few seasons.

L'1 Level 2A, BATT. 3 N. OF IRL. C.

A possible metal handle in 3 frags has been found. Prof. Edlund has noticed the frags of a gray ware plate fr. this sq. w/ an unusual pattern of spots on it.

More stones have appeared at the bottom of batt. Once again apparently part of a fall or dump rather than a wall. These stones will be photographed at end of day.

N'1 Level A, BATT. 2 Clearing of strip West of pump.

The 1.0 m. wide area is stratigraphically equal to ~~the~~ the level of excavation in 0'1, therefore the same level designation has been used.

Soil is the same. Material is all Greek and appears to be of 4th c. date; several black glaze frags, several frags of a neck, and numerous other frags of various sorts.

0'1 Level A, BATT. 3 154 PL

- 155B New batt. begun late in day. Soil still gray clay.
- 156T One of first sherds found was a large decorated frag of a 6th c. cup.

(9)

June 26, 1978

L¹ - I Level ~~2~~, BATT. 4 N. of Irr. C

Soil is once again a moist gray clay with a ~~low~~ relatively high content. The sand content may be lower now than in the previous level, but it's hard to determine. Small lenses of carbon are scattered throughout the level.

O¹ I Level A, BATT. 3. 163PL

164P cup Soil still gray clay. Numerous small
165P cup stones and pebbles are in the clay
166T St making work difficult.
167B

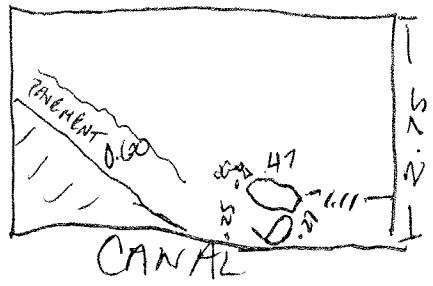
L¹ - I Level 2, BATT. 4 N. of Irr. C 157PL

150 ? Batt. completed. Lenses of carbon still
159T scattered throughout lev. and visible
or in top of next level. Just East of
160B stone + tile conc. wh. has been left is
~~161A~~ a layer of sm. stones wh. are being
left. They may be a pavement or
simply an alluvial layer. Two
large stones (47m long + 26m long) 1.12m
west of SE corner forms a right
angle. Tiles and some other small stones
are associated w/ these stones. It
certainly looks like a corner but it could

be chance. Pottery finds were most
~~L-1 Level 2, BATT. 5 North of~~
 coarseware, some frags which may be
 grayware. Also some black ware of incised
 decoration. A circular loomweight. Not sure
 whether mat is Rom. or Gh. Poss. a mixture of both frags
 L-1 Level 2, BATT. 5 North of Irrigation Canal

169P New batt. begun working around gravel 168P
 170M level east of tile & stone conc. and the
 171M Slog "cornes". This could be called a new level
 172B based on assoc. w/ gravel level and "cornes";
 but I am not sure if these are actual
 features. The soil remains the same: gray
 clay w/ sand & within it. Carbon lenses
 cont. in this level. Material may have
 already changed at bottom of previous batt.
 w/ appearance of the black ware. Several mos
 of these black ware sherds were among the
 early finds of this level. It may be nec. to
 rename this level after further consideration.

The workmen deserted me at 10:00 to go
 to the funeral of Yunzuo, Perro's mother. They
 say that they will eat here and make up
 the time.



51)

N¹-I level 2, BATT. 3 North of Irrigation.

Two pieces of metal have appeared; one a flat rectangular piece 0.06 x 0.032 m. and the other a $\frac{3}{8}$ piece which is bent longitudinally 0.04 x 0.015 m. Now another piece (broken) c. 0.07 x 0.55 roughly rectangular. Some molars attached to a fragment of a mandible have now turned up. These appear almost human, but prob. belong to some other animal. Some frags. of grayware have appeared along w/ the black ware listed above.

O¹ Level A, BATT. 3

Batt. completed and there is more pavement at or just below the bottom of the batt. A continuation of the North-South fieldstone wall in N¹-I has appeared. ~~Garage and Alfred's are cleared out further exposing the pavement and walls by their push to further take downing. This does constitute what could be called another batt.~~ After this track up work this crew will move to the east. Finds were relatively few. They included $\frac{2}{3}$ large base & side frags of a skyphos and various other sherds of Greek appearance. The dumper ramp has been removed.

N¹-I Level 2, BATT. 5, North of Irrigation Canal

What seems to be fieldstone pavement has appeared in the eastern half of the square. Its exact nature is not yet clear and a further batt. will be necessary. Also in the Southeast corner of area there is a core of yellow breccia wh. is apparently an intrusion f. the canal. ~~Two~~ Two more metal frags have been found along w/ without assorted coarseware sherds.

(2)

STRATIGRAPHIC LEVELS - SIGHTED FROM K'1, K'1-1 (-7.16)

L'1	NORTH OF CANAL NORTHWEST CORNER, LV. 2A, B. 3	→	-8.645 m.
L'1	NORTH OF CANAL CENTER OF STONE TILE CONC. LV. 2A, B. 2	→	-8.505 m.
L'1-1	NORTH OF CANAL NORTHEAST CORNER LV. 2, B. 4	→	-8.805 m.
M'1-1	NORTHEAST CORNER OF EXC. AREA, LV. 4, B. 6	→	-8.915 m.
M'1	NORTHWEST CORNER LV. 3, B. 5	→	-9.145 m.
M'1	CENTER MIDDLE OF SQ, LV. 3, B. 6	→	-9.225 m.
M'1	MIDDLE OF S. EDGE, PAVEMENT LV. 3, B. 2	→	-9.065 m.
M'1	PAVEMENT ALONG E. EDGE OF SQUARE LV. 3, B. 1	→	-8.915 m.
O'1	CENTER OF SQ, LV. A, BATT. 3	→	-9.485 m.
M'1-6	AT STAKE AFTER BULLDOZER BEF FURTHER EXC.	→	-7.485 m.
L'1-6	CENTER OF SQ APT. BULLDOZER BEF. FURTHER EX	→	-7.115 m.
N'1-7	AT STAKE AFTER BULLDOZER AND BEF. FURTHER EXC.	→	-8.265 m.
N'1-8	AT STAKE " " " " " " " "	→	-8.775 m. (75)
O'1-7	AT STAKE " " " " " " " "	→	-8.775 m. (75)
O'1-8	AT STAKE " " " " " " " "	→	-8.515 m.
P'1-6	AT STAKE " " " " " " " "	→	-8.705 m.
P-1	AT STAKE " " " " " " " "	→	-8.685 m.
P-8	AT STAKE " " " " " " " "	→	-8.625 m.
P-9	AT STAKE " " " " " " " "	→	-8.375 m.

O'1 Level A, BATT. 4 173 PL

174B The level of this batt. varies greatly according to the presence or absence of pavement. The batt. is nonexistent where pavement was exposed by previous batt. Rim frag. of 6th c. Louis cup.

L'1-1 Level 2, BATT. 4 Trowel around "corners"

Raphael in the process of troweling around the pavement has made a very interesting discovery. About the "corner" He's shown that it's actually a circular basin. At the south end next to the canal is a broken neck of a storage vessel which seems to have been used as a spout. However Vera has perceptively pointed out that it's a...

(22)

Unfortunately the presence of the canal makes it impossible to determine what lies to the south of the basin. It is conceivable that some art. ~~canal~~ could have existed to allow the flow of water. Also it must be noted that this basin need not have been for water. A large vertebra was found in the center of the basin on its floor. It could have served for storage, sacrificial, or bird knows what else. A libation basin possibly? The floor of the basin is composed of stones & tiles and it slopes downward somewhat like an inverted cone.

0' -1 Level A, BATT. 4

Finds are relatively few and all Greek in character. Pavement is not present throughout the area, in fact we may actually now see some defined limit ^{roughly} to the pavement. The wall ~~spans~~ running NW forms a right angle w/ the edge of the pavement in the NW corner of the sq. We may finally have one of the actual limits of the pavement area, rather than a lack of pavement due to damage.

1' -1 Level 2, BATT. 5.

Finds are few; they include a bent ~~to~~ piece of metal wh. may be a nail or ~~prob.~~ ^{prob.} something else. It is too badly corroded to identify. Pottery of this batt. & the others w/ the pavement seem to be Greek, but there have been no clearly identifiable pieces. So far none of the black ware encountered on the previous batt. has been found in this batt. More pavement has appeared at bottom of batt.

(24)

photo
see contact

June 27, 1978

L¹-I Level 2, BATT. 5 North of Irrigation Canal

177M.
slag

Note on "Black ware" discussed yesterday from this square. Reexam. of this ware late yesterday aft and early this morning has confirmed that it is none other than gray ware. It poss. the dampness of the soil or too much sun made me see it as something other than ~~black~~ grayware. This is perplexing since grayware is Roman but in this area it assoc. w/ pavement wh. should Greek and 6th C. at that. Poss. the blk. material was cleaned out by Roman activity. Perhaps this pavement is later and related to the 6th C. only in appearance.

More pavement has appeared at the bottom of this batt; it is a cont. of the pavement assoc. w/ the basin found yesterday. It slopes down toward the north which, oddly enough goes against the slope of the hill. Raphael's traveling has now uncovered an almost complete pair tile 0.32 x 0.46m. ~~It could be~~ It lies in the NW corner of the square, and looks as if it may have been used as a channel. Raphael ident. it as such. Maybe we just have water on the brain and it simply fell there. Stones associated w/ it are visible in the wall of the square to the north. R. has also shown that the strip of gravel left along the edge of the tile + stone conc. is nothing more than a fill. After photographing it, we will remove it to further clarify the pavement. Two large bones have been found in the NE corner of the sq. They will be left for photographing then removed. A frag. of black glazed ware w/ a floral or leaf red fig. design has now appeared, lying directly

(26)

will be left for photographing. Another large bone frag. has turned up just west of the previous two frags. Other post. finds are very few: three grayware sherds and four other coarseware sherds. Lighting is bad this morning, so photography will have to wait. If so, the strip clearing of the strip of gravel will also have to wait.

0'-2 level A, BATT. 5 143 PL

Level completed. Wall and other features have been exposed and ready for final troweling. Finds were very few, and all were of early brick character.

The Crew moves East.

N'-7 level ~~A~~, BATT. ~~2~~

*for BATTs. see below - 185 PL

86P The exact level here at close of last season will have to be determined from notes. Approx. 0.12m were removed from this square & during the cleanup after the bulldozer. This cut extends into the 88R ~~11-8~~ ~~area~~ including all but a 1.4m strip along the east end. This strip too was effected by the dozer operations, so there can be no true correlation between the 1977 work in this area and the work this season. A North-south bank is being left aligned with the -7 axis.

0'-7 level ~~A~~, BATT. 1 178 PL

179B This area is stratigraphical ^{approx} equal to N'-7 and like that area its level has been affected by the bulldozer since last season. The soil is the typical gray clay with a very high content of red sand. Some tiles frags present in batt. also some lg. fieldstones. North part of sq. taken up by 1977 ~~to~~ E-W. test trench.

*Based on the levels taken yesterday, 0'-7 is 0.40-0.50m. higher in elevation than N'-7

0'-7 Level ², BATT. 2

Soil is the gray clay with sandy content. Most noticeable are the customary streaks of red sand. The conc. of red sand in this sq. ^{was} the ~~usual~~ density present throughout site, it does not have as high a content as in 0'-7. Some tile frags present in batt. The material is predom. bk. in character, however a few sm. sherds of grayware and some lg. coarseware frags may be Roman. Prob. remnants of upper level. One pyramidal boneweight has appeared.
- Antonio left at 9:45 w/ a sick tummy.

0'-7 Level ³, BATT. 1

A ~~thin~~ layer of black stained earth is along the south edge of this square. Its Munsell rating is 5YR 2.5/1 Black, moist. The stain seems to be 0.50-0.60 m in width. Not sure whether it is a hum layer or caused by some other factor. The soil in this stain is still clay w/ red sand present. Finds are few so far in this area. Several bone frags including a ball joint and a large molar. There is a piece of orange coarseware w/ a light lighter orange slip & ~~some~~ impressed line dec. Other sherds are various types of c.w. some appear bk. others could be Roman. As noted above numerous lg. stones were present in the sq.

0'-8 Level ², Batt. 1

The black stain level noted in -7, continues into this sq and its width increases, to almost entire w. of area under ^{exc.}
- A HEAVY RAIN SHOWER HALTED WORK FOR ~~2~~ 20 min.

@ 11:05

- BATT. In course of bulldozer oper. & cleanup ~~a batt.~~ a layer the equiv. of a batt. 0.10-0.12 in depth was taken in N'-7 + N'-8 except for the east l. to which remained at the level of the rest of the area after dozing. The area out down after dozing, will be design. B-2
BATT. ... + 27

N¹-7 Level 2, Batt. 2

Number of tiles and stones increased in the east half of the square, and appears to be a dump layer. Most tile frags belong to flat variety w/ upturned edge as already encountered to west. Material includes sev. bone frags, some gray ware frags, some black glaze, and much coarseware. It is a mixture of Greek & Roman material.

N¹-8 Level 2, BATT. 2 189 PL

190P
191B

Many tiles and stones scattered throughout level. Soil is still the typical gray clay of the presence of sand. Material so far is very limited. Several bones & some unidentifiable sherds.

— Giuseppe Vitarianto apparently intends to stop the progress of excav. along the axis forced by the 1.40m. wide strip along the east side of the ~~sq.~~ sq. This stopping is ~~not~~ ^{apparently} ~~meant~~ ^{meant} to correspond w/ the end of find in the 1977 E-W trench

O¹ N¹8 3 Level 3, BATT. 1 182 PL 183 TLw. 184B

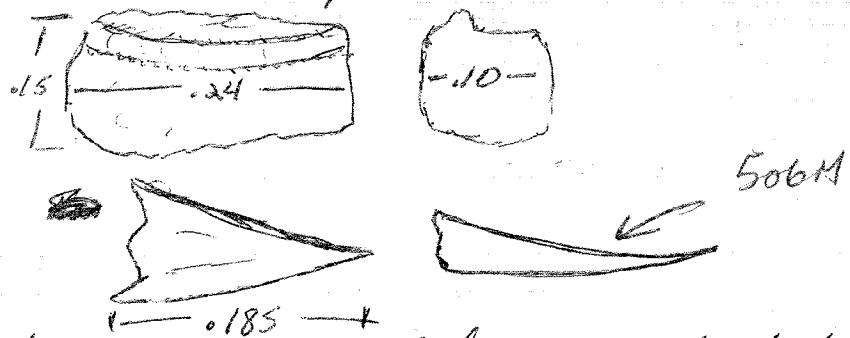
Very little material found, some bone frags and teeth, a few coarseware sherds, and a pinched in type ofloomweight. Stones and tiles were scattered throughout the batt. 3

O¹ -7 level 2, BATT. 2 180 PL 181B

Once again as in Batt. 1 the clay in the SW corner of this area contains a very high conc. of red sand, c. 0.50-0.60 w. The soil on close exam. is still the common local gray clay but with a very high conc. of the local red sand. Mummell reading soil at spot w/ high conc. of sand is 2.5YR 4/8 Red, moist. The soil, immed. to the north does not have such a high content of red sand. Early finds all appear to be Greek. All small coarseware except for two black sh. ch. 1

no boundary to a. 1.20 from the east they to an isolated mg. of the red w/ high red sand interst.

boomweight. There are two notable finds:
 a large piece stone with a carved ridge on it
 and an iron plowshare



Another piece of metal has appeared which may
 be part of a large ~~leg~~ femur?

N¹-7 193P + 0.0651

Clay content is higher
 seems the upper part of the soil
 is always present

- 14P The soil continues to be the customary gray clay
- 5P of streaks of red sand. Number of finds have
- 6T increased greatly over the previous batt. Few tiles
- 7B are present. Finds are of definite Greek char.
- 8P Several shards of red-fig. ware have appeared
- 9P including a sherd w/ drapery and another
- 99T frag of a woman on it. A few frags of what
- 90P seems to be grayware are present. Some
- appear to have a black glaze or coat on their
- surface. If this is bonafide grayware it no
- doubt leached down fr the upper layers.
- 10) A couple frags of what may poss stat. frags

June 28, 1978, cont.

0'-7 Level 3, Batt. 3 208 Pt

Once again the soil in the SW corner of this square contained ~~was~~ a very high conc. of red sand giving the soil a reddish color. The main conc. extends for c. 1.50 along the south edge of the sq. and has a max. w. of c. 0.70m. The rest of the soil is the more typical gray clay with the amount of red sand present decreasing as you move northward. Material very limited in quantity, includes various coarseware sherds, one red fig. frag w/ a meander pattern, and a some gray ware frags. There are scattered patches of conc. of red sand throughout the sq. in add. to the SW corner.

#7 There is a ~~clay~~ ^{clay} ~~shard~~ ^{shard} ~~in~~ ⁱⁿ ~~the~~ ^{the} ~~area~~ ^{area} ~~near~~ ^{near} ~~the~~ ^{the} ~~base~~ ^{base} ~~of~~ ^{of} ~~the~~ ^{the} ~~well~~ ^{well} ~~near~~ ^{near} ~~the~~ ^{the} ~~MEGAREAN~~ ^{MEGAREAN} ~~Bowl~~ ^{Bowl}

-7 Level 3, Batt. 3.

Batt. has been completed, and it should be noted that this is a deep batt. c. 0.20 - 0.25m. The stickiness of the clay lends itself well to taking out big chunks w/ the pick. The workers in 0'-7, -8 are taking out a batt. of more normal depth. c. 0.15m. There was a great deal of material as previously noted including many red figure frags and a few statuettes frags. Most perplexing is the continued presence of a few sherds of gray ware. The problem of gray ware in supposedly Greek layers, see #1'-1, seems to be one of the themes of this season. It's a problem which must be solved if the chronology of the site is ever to make any sense.

N'-8 Level 3, Batt. 3 204 Pt

Soil continues to be gray clay, and as in the adjacent square this is a deep batt. ^{30 to 35 cm} The quantity of material has dropped significantly which is in keeping w/ the findings of the East-West in the 1977 season. So far only two red figure frags. have appeared, and both those were found very near N'-7. One frag. has the fig of a man, the other has the up. of a head. Most sherds are coarseware ~~are~~ of Greek appearance. ~~There~~ There are also some grayware sherd including a large rim, and reds frag with ~~some~~ ~~bone~~ ~~...~~

PZ 78

Field Notes

Book # II

(2)

ribbed decoration. A small piece of copper or bronze w/ green patina also found, 0.025 x 0.018.

O'-8 Level 3, BATT. 3 213 P2

Level has very few finds ~~at all~~, some scattered coarseware frags and a grayware sherd. The soil is predom. gray clay, however along the south edge of the sq. there are some very high conc. of red sand as ~~well~~ found in N'-1! Also there are some patches of very dark colored soil, almost black, as noted in previous batt. in this area.

STRATIGRAPHIC LEVELS

L'-1 Level 2, BATT. 4 NORTH OF IRRIGATION CANAL

- SOUTH EAST CORNER - -8.93 m.
- NORTHEAST CORNER - -9.11 m.
- BASIN: CENTER - -9.01 m.
- TOP OF CONGLOM BLOCK - -8.73 m.
- NEXT TO SPOUT - -8.79 m.
- PAVEMENT AT R.F. FRAG - -9.02 m.
- EAST EDGE OF LG TILE - -8.97 m.
- LAYER OF GRAVEL TO BE EXCAV. (CENTER) - -8.79 m.
- AREA OF TWO LARGE BONES - -9.12 m.

N'-7 Level 3, BATT. 3

- NW CORNER - -9.21 m.
- SW CORNER - -9.16 m.
- CENTER - -9.23 m.

N'-8 Level 3, BATT. 3 -

- NW CORNER - -9.19 m.
- SW CORNER - -9.20 m.

O'-4 Level 3, BATT. 3. (AREA SOUTH OF 1977 EAST-WEST TRENCH)

- NW CORNER - -9.16 m.
- SW CORNER - -9.13 m.
- CENTER OF EXCAV. AREA - -9.17 m.

O'-8 Level 3, BATT. 3 (AREA SOUTH OF 1977 EAST-WEST TRENCH)

- NW CORNER - -9.19 m.
- SW CORNER - -9.14 m.

(A3)

JUNE 29, 1978

WORKERS ON HOLIDAY TO POMPEII
A LITTLE TROWELING IN O'1 by MICHAEL AND GINGER.
SUPERVISOR DREW FOUR LEVEL PLANS, AND REMOVED THE RED FIG FRAG AND TWO
OF THREE BONES FROM L'1-7 WHICH HAD BEEN LEFT INSITU FOR PHOTOGRAPHY.
THE REMAINING BONE WAS TOO FRAGILE TO REMOVE IN TIME AVAILABLE. ANOTHER
ATTEMPT WILL BE MADE LATER.

June 30, 1978

N'1-8 LEVEL 3, BATT. 3. 238P 239B 240P
SMALL STRIP KEPT ALONG EAST EDGE OF SQUARE ON WED. COMPLETED. SEVERAL
RED FIG SHEERDS INCL ON W/ THE FIG OF A YOUNG ATHLETE, THE OTHER W/ THE FIG
OF A WOMAN. ALSO THERE WERE FIVE BRATWARE SHEERDS, NUMEROUS COARSEWARE
& BLACK GLAZE SHEERDS, AND ONE BONE FRAGMENT.

O'1-7 LEVEL 3, BATT. 4 208P 229T(S)
THIS BATT IS BELOW THE LEVEL OF THE HIGH CONC. OF RED SAND AS NOTED IN
THE PREVIOUS batt. Soil is gray clay throughout w/ sand in the
matrix & some streaks of red sand. Material as seems
to be the case in this area is of a limited quantity. Some black glaze
frags among the coarseware. A few grayware frags incl. the ~~top~~
fr of the neck of a strainer. Two statette frags ^{one} of
wh. has prob a bunch of grapes on it or less likely a
face. I had thought that there was a small red fig frag
in the lot, but now I can not find it.

N'1-7 level 3. BATT. 4 216P 218B 219P 220P 221P
Soil is gray clay with sand in the matrix and streaks
of red sand. Some carbon lenses are also present.
Along the north side of the square is a layer of gray clay 222P 223P 224P(RF) 225P
w/ very little sand present. A much higher clay content, ^{SEF}
~~matrix~~ carbon lenses present in the matrix. The layer 227
* of purer clay widens as it moves to the east where it
is c. 1.6 m. wide at east edge of square. Tile fall
visible at bottom of batt; the fall which indicates the
beg. of level 4. Large amount of material including
some red-fig frags, and figurine frags. Many coarseware
1 2 3 4 5 6 7 8 9 10 11 12

(44)

and a large amphora neck frag.

* The Munsell rating of the clay is betw. 7.5YR N 5/ GRAY AND 7.5YR N 4/ DARK GRAY MOIST. w/ IT TENDING TOWARDS THE DARKER color.

0'-8 Level 3, BATT. 4 237 PL

Level contained very little material once again. One frag. of red fig. ware, a couple frags of black glaze and some coarseware incl. a circular base or foot. One grayware sherd.

N'-8 Level 3, BATT. 4 241 PL 242 P 243 B ~~244~~ ~~245~~

The layer of purer gray clay noted in N'-7 continues to expand eastward in this sq. The layer expands to almost the full width of the sq. 1.0-1.25 m. from its ~~east~~ western edge. Material consists of various coarseware and black glaze frags. A few grayware sherds are present, among them is a frag. w/ a raised design. A sherd of similar type was found in N'-7, -8 a couple of days ago. Prof. Latanye

243P who was on the site suggested that it might be a local imitation of a Megara bowl. A large red figure frag. w/ 244P the depiction of a winged Eros and a small badly corroded 246M Greek bronze coin were also among the material.

0'-7 Level 3, BATT. 5. 230 PL 231 T (V.G.P.) 232 T 233 T (ST)

Although in N'-7 the tile fall was reached after four batts, signs of the tile ~~fall~~ to fall has only appeared after five batts here. Soil is gray clay w/ sandy in matrix as we have been encountering. Quantity of material is greater than usual for this area, however much smaller than in N'-7. Numerous coarseware and black glaze frags, a few grayware frags, and five statuettes frags.

N'-7 Level 4, BATT. 2 234 PL 235 P 236 T (ST)

Prof. Carter has ordered a very shallow batt. to further expose the tile fall. This has been design level 4, since it is in the next tile fall, even though not to the customary depth of a batt. The levels in this area are being kept to the usage of the 1977 season, see the field notes of 1977 and the level plan of the East-West test trench of the 1977 season. Only about a 1.0 m x 1.0 m area was opened before the end of the day soil is the same clay w/ sand that has

(45)

been present in previous levels. Material is limited as would be expected due to depth of batt. and its extent at this time. Various coarseware and black glaze sherds and one stannite fragment.

N¹-8 Level 3, Batt. 4.

~~At the eastern~~ In the northeastern corner of the part of the sq. under excav. a large wall has appeared composed of ~~co~~ stones and possibly a conglomerate block. It may very well be parallel to the E. wall in the squares to the west of it certainly assoc. w/ them.

* See levels below

July 3, 1978

O¹-7 Level 3, Batt. 5, 253 Pt

Batt. begun last Friday now completed. Signs of till and stone conc. continue to appear at bottom of batt. This conc. definitely slopes down from N¹-6, -8 towards the south. Material consisted of a few coarseware sherds and the base of a sherd.

A few nails have been placed in the south wall corresponding to the bottom of this batt.

N¹-7 Level 4, Batt. 1 (Bottom of batt. is c. 0.17-0.18 m ^{sh})

This batt. continued from Friday. It is a very shallow batt. ordered by Prof. Carter to further expose the second tile + stone conc. Since it is scratched the surface of this conc., I have design. it as the first batt. of Level 4. Depth of batt. is c. 0.08. Although this batt. is taking out some of the tile + stone conc. it is primarily deepening it. The material of the new batt. should be all assoc. w/ the big N-S wall, since the tile + stone dep. runs right above that wall and then slopes downward into the areas under excav. Material is predominately coarseware gray, with some black glaze. A couple animal teeth, ~~two~~ frags of gray ware, and ~~one~~ frags. were also present.

Some nails put in north wall at the top of this batt.

(16) The conc. of dark gray clay of high clay content cont. above.

STRATIGRAPHIC Levels (TAKEN ON JUNE 30)

- M'-1
 - MID POINT OF WALL I - -8.43m.
 - PAVEMENT NORTH OF WALL I - -8.77m.
 - ~~NORTH EAST CORNER~~
 - ~~PAVEMENT NORTH OF WALL I~~ - 8.91m.
 - Northwest corner. - 8.103m.
 - Southwest corner - 9.11m.
 - Southeast of wall I - -8.81m.
 - Pavement N. end of wall I - 8.99m.
- N'-7 Level 3, BATT. 4
 - Northwest corner 9.41m.
 - Southwest corner 9.41m.
 - Northeast corner 9.33m.
 - Southeast corner 9.30m.
 - Center 9.35m.
- O'-2 Level 3, BATT. 4
 - Northwest corner -9.28
 - Southwest corner -9.29
 - Northeast corner -9.37
 - Southeast corner -9.33
 - Center -9.31
- O'-1 Level A, BATT. ? (BOTTOM)
 - ALONG BAULK EDGE of PUMP -9.30m.
 - West edge of pavement -9.34m.
 - Large block in pavement -9.26
 - South end of wall -9.16m.
 - Mid area east of wall -9.57m.
 - Mid area west of wall -9.57m.
 - Raised area to east -9.36m.

N'-8 Level 4, Batt. 1. 263 PL 264P(GW) ~~265P(GW)~~ 266T(LW)
 One of the early finds in this batt. was another frag. of grayware with a raised decoration. The decoration is in the form of raised dots. ~~It~~ Poss. local imitation of Megarian bowl.
 267T (ST)

(47)

0'-8 Level 3, Batt. 5 251PL 252T 260T (VOT. CAP + ST)

The soil continues to be the usual gray clay w/ sand in the matrix, however in the center of the excavated area there are some patches of pure clay, comparable to what has been found in N'-7, -8.

- A stone w/ a worked spiral on it was found in the fill dirt of the 1977 East-West test trench. Its position although equal to this level has no reliability since it was from the fill dirt.



* N'-7 Level 4, Batt. 1 247PL 248P (COW STRAW) 249B 250T (ST)

A large number of stones are visible at the bottom of batt. mixed w/ the tiles of the second tile & stone conc. Stones are for the most part fieldstones ranging fr. c. 0.05 - 0.25 m. in length. The layer of dark gray pure clay now extends to cover almost the entire area. It will prob. be present throughout the next batt. N



0'-8 Level 3, Batt 5

Small handleless type of votive cup or bowl was among the material. Also there was a pinhead in type of loomweight. Material original was a mix of coarsened w/ some black glaze frags. One statuette frag was present.

0'-7 Level 4, Batt 1 254PL 255T 256P (UNB) 257T (LMS) 258T (ST)

Level of second stone and tile conc. now reached. He noted earlier it slopes down from its level to the north. Concentration of stones and tiles here is much less than in N'-7. Soil is the gray clay w/ high clay content as already observed in N'-7, -8.

(118)

0'-8 Level 4, Batt 1

Soil was gray clay w/ high clay content throughout the square. There was a large coarseware frag. w/ impressed lines etc. among the matrix along w/ various coarseware + black glaze sherds. Also there ~~was~~ were several large gray glaze frags including another frag. of gray ware w/ a raised decoration. This time the dec. was in the form of raised dots. Also present were a couple statuettes frags. and a sherd in the shape of Texas. Some patches of the second fill and stone core were exposed especially in the Northeast corner near the wall? found last Friday. That wall may in fact be narrower than ~~is~~ particularly dense area of stones and tiles. Further excavation is necessary.

N-7 Level 4, Batt 2

Approx. the North 2.5 m. of the excav. area has soil which is the dark gray clay as noted earlier. The southern 2.5 m. has soil of a light lighter shade of gray. Northern patch of soil is Munsell 10Y 5/1R. W4/ dark gray moist. There is some sand in its matrix, but the clay content is very high. Carbon lenses are also present. This is the same dark gray soil as described earlier in this area. The southern patch of soil is Munsell 10YR 5/1 gray moist. There is sand in its matrix, although definitely clay. The quantity ratio of clay to sand is lower than in the darker soil. This soil corresponds to the soil encountered in the earlier batt of this area.

0'-7, -8 Level 4, Batt 1

This level throughout has consisted of the dark gray clay as discussed above.

0'-7 Level 4, Batt 1

Material includes in addition to many coarseware and black glaze sherds: several statuettes frags among wh. is a lg frag w/ a leg, the intact body of an unguentarium, and a ~~some~~ circular toomweight. There were no grayware frags.

(49)

(LAMP)

0-7 Level 4, Bath 2 268P 269P 270P 271P 272P 273P

274P Bath right in the second concentration of tiles and stones. Large number of tiles and stones present.

275P Prof. Carter states that it has to be a tile fall due to the large number of tiles and stones. Very high quantity of material, including three fine red fig. sherds (a booted foot, palmettes, and the lower body of a young man) which are of much finer quality than the previous red fig. sherds found in this area. Also there was the intact body of an unguentarium, ~~and~~ numerous reticulated frogs, and 2 circular stoneweights. Rest of material consists of various coarseware and black glaze sherds.

276P See above for discussion of soil. Dark clay seems to dip, and southward as work in the sq. proceed to the east, however it is difficult to determine the exact line of demarcation betw. the two soils. Changing light has one constantly challenging my previous observations.

277P The soil nearest the north wall of W. T. seems darker than the other soil even darker than the soil in 0-7, 8 which has been called similar. The difference of color exists in a blacker line, possibly due to a higher carbon content? In my earlier dealings w/ the Munnell chart the ~~subdumb~~ soil, there ^{appeared to be} ~~was~~ ^{essentially} no diff. betw them. The concentration of tile and stones was especially heavy beginning c. 2.5 m. from the west end of the sq.

278P (low)

279P

280P (ung)

281P

282P

283P (ST)

0-8 Level 4, Bath 1 261P 262M

Little material, assorted coarseware and black glaze sherds. No grayware present. A curved flat piece of bronze or copper was found. Leonardo identified it as a broochlet.

0-7, -8 Level 4, bath 1

As work progressed eastward in this sq. the workers progressively deepened the bath. ~~Two~~ prob. due to the way the clay found itself to being removed in big chunks. This should be taken into account stratigraphically.

(60)

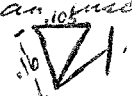
HAPPY FOURTH OF JULY. * July 4, 1978 *

0' ~~4~~ Level 4, BATT. 2. ~~297P~~ ~~298P~~ 298T(LW) 299P
 300B Soil continues to to dark gray clay w/ high clay content as discussed yesterday. The material is predominately coarseware w/ some black glaze ware + one bone frag. No fragments of statuettes or gray ware. In the southwestern corner of the sq. a large soft worked stone has appeared. Several large tile frags. are assoc. w/ it including a frag. on top of it wh. has an in curve on one side to accommodate a drain or post. Width of stone is 0.42m., it length cannot yet be determined. The large tile w/ the notch is 0.435m x 0.21m.

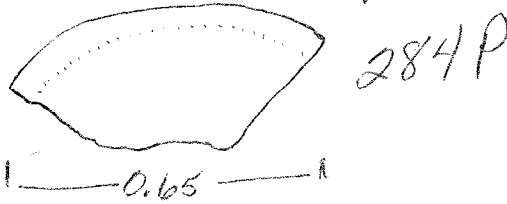
N⁷ Level 4, BATT. 2 283P 286P 287T(LW) 288P(RF.)
 Batt. completed from yesterday. The concentration of tile and stones becomes especially heavy 3.0m from the west edge of the sq. This density of tiles and stones continues on into N⁸. Material consists of a mix of coarseware and glaze ware frags. including a penced in type of brownware and a large frag. of an amphora neck. Most notable find is a red figure frag. w/ a fine ~~small~~ ^{small} head in profile.
~~N⁷ Level 4, Batt. 2~~ By the time the east end of the square is reached the dark gray ~~soil~~ clay, as discussed yesterday seems to expand to the entire N-S. width of the square. It is difficult to tell for sure in this morning light.
~~N⁸ Level 4, Batt. 2~~ Once again as noted before the clay along the north edge of the square appears to be blacker.

N⁸ Level 4, Batt. 2 289P 290P 291P 292P 293T
 Dark gray clay is throughout the square, slightly darker clay noted in N⁷-7 cont. along north. Some of tiles and stones noted in N⁷ continues eastward through the sq. Material is a mix of coarseware and black glaze frags. with a greater number of coarseware sherds. There is one sherd which may be called grayware but it is of a different texture than the Roman type grayware. Notable among the coarseware are (51) a large amphora neck frag, a pithos rim frag. and the

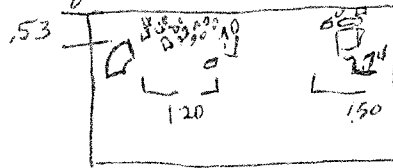
N-7 Level 4, Batt. 2

There is some sort of mason's mark or graffiti on the side of the large worked stone. This was first noticed by Vera Massaco after the field supervisor had jokingly referred to an inscription on the stone. Its config. as visible is . Also a large fragment of a mortar

or loutierion has appeared at the far east of the square. There is a ribbed decoration running around its rim and there is also a sm. lug on the hem.



In the vicinity of this large lout. or mortar there is a higher conc. of tiles and stones than in the rest of the sq.



N-7 Level 4, BATT. 3 315P+ 318T (Vg) 319P (SP) 320T (LW) 321B

In the south west corner of this sq., several lg. red fig. frags have appeared, they all may belong to the same vessel poss. a hydria. All have a fine pelmette dec. and one frags has the two front hooves of a horse on it. Soil is all the dark gray clay except for a small strip in the southwestern corner of the lighter colored clay w/ the higher sand content as discussed yesterday.

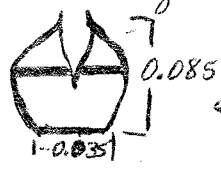
MO-
CANTON
CANTON

- 322P 323P 324T (SATYR) 325T (STs) 326P (RF)
- 327T (VOT) 328SS (WOOD) 329T (TILE) 330P (CARR)

1.55
330
-7 Level 4, BATT. 3 CARBON SAMPLE - TO BE SENT TO AUSTIN
A LARGE CARBON LIMB c. 0.11 X 0.07 X 0.05 m. WAS FOUND
1.55m. from the west edge of the square and 1.75m. from the
north bank of the square. Its actual level was -9.83m.
It was in a matrix of dark gray clay w/ some streaks of sand
and rootlets present. It was associated w/ a dense concentration
of tiles, sherds, and stones c. 4 B.C.

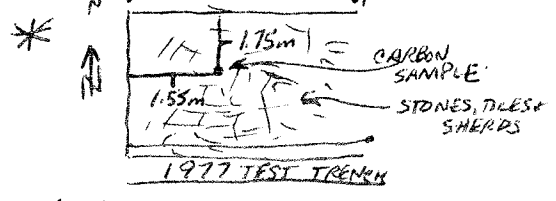
* SEE SKETCH BELOW

0'-7 Level 4, BATT. 3 304 Pk 305P 306P 307P 308P 309P
Soil continues to be the dark gray clay as already discussed
An almost intact unguentarium and an almost complete
small vessel w/ a horiz. red dec. band were found in the
western 1.50m. of the sq. Also a large lemane frag.

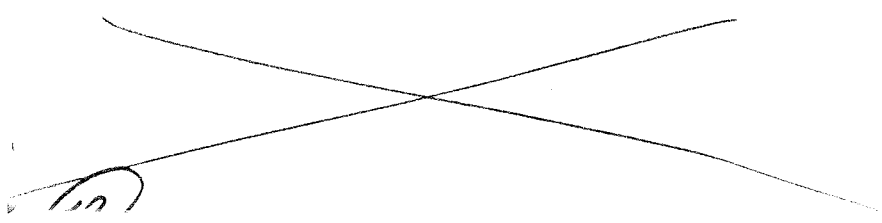


310B
311P
312P
313P

0'-8 Level 4, BATT. 2 301PL 302P(RF) 303P
Almost all of this area is now covered by the dumper ramp,
however a small strip ~~west~~ north of the ramp was
kept down. A large spotted mortar frag and a red fig.
frag w/ floral dec. were found here, ~~one~~ one black g. handle &
one sherd w/ a red band on it.




~~N-4 Level~~



BAROMETRIC LEVELS

Levels were taken on July 3 of lev. 4, B. 1 in N'-7, lev. 3, B. 4 in N'-8, and lev. 3, B. 5 in O'-7. Unfortunately the h.i. was lost, therefore these readings are worthless. New levels were taken today by a more awake supervisor. Sightings are now being made fr. P1-1 due to the depth of the present trenches. The level of the new sighting point is -9.58 as sighted from L'1-1.

N'-7 Level 4, Batt. 1 

- SE corner - 9.65 m.
- SW corner - 9.48
- Center - 9.65 m.
- Northeast corner - 9.69 m.
- NW corner - 9.59 m.

N'-8 Level 4, Batt. 1

- SE corner - 9.51 m.
- NE corner on wall - 9.46 m. (lev. 3, Batt. 1)

O'-7 Level 4, Batt. 1

- SW corner - 9.63 m.
- NW corner - 9.70 m.
- Center - 9.69 m.
- SE corner - 9.76 m.
- NE corner - 9.85 m.

O'-8 Level 4, Batt. 1

- Center - 9.77 m. (Next to end of Dump^{camp})

O'-7 Level 4, Batt. 2

- NW corner - 9.83 m.
- SW corner - 9.86 m.
- Center - 9.84 m.
- NE corner - 9.93 m.
- SE corner - 9.88 m.

N'-7 Level 4, Batt. 3.

- CARBON SAMPLE - 9.83 m.

(54)

S-7 Level 4, Batt. 3.

Soil ~~is~~ now dark gray clay throughout. The concentration of tiles is very high along with ~~the~~ many sherds and some bones. Numerous stoneware frags have appeared including many frags of a standing pot bellied satyr. Also there is a frag w/ an amphora on it. A large decorated frag. of a red fig. vessel has now been discovered. Also some frags of unburnt wood have been found and saved.

The problem of the darker soil continues, but it may be closer to definition. The darker clay as noticed before appears once again as scattered patches w/in the dark gray clay matrix. This seems to be ident. w/ the darker soil noticed along the north of the sq. in earlier batt. I have finally got a hold of a good sample. It has a Munsell reading of 10R 3/1 very dark gray moist. It has very little ~~of~~ sand ~~in~~ its matrix and is a very ~~of~~ fine & sticky clay. The dark gray found throughout the area is also sticky but not as fine. ~~At~~ Carbon lenses are present in both clays. ~~It is~~ This darker clay may be due to high concentration of ash or fine carbon which is no longer visible as black specks, possible evid. of burning. It however could be due to some other factor with which I am unfamiliar.

A small circular piece of terracotta 0.02m. in diam. has appeared. Prof. Carter has suggested that it may be a votive coin. Also a piece of roof tile w/ remnants of red paint. There is a very high quantity of coarse sand and black glass shreds which goes along w/ the very high conc. of tiles.

(55)

O'-7 Level 4, Batt. 3

Clay ^{is} gray throughout. ~~Two~~ Two large stones at bottom of batt. apparently go w/ the large worked block. They may form a wall. One block is below the main stone, the other is NW of it. The dimensions of the lg. worked block are last batt. are 0.43 x 0.43 x 0.29. The mark in the block is def. not part of an inser. It is either an unusual mason's mark or pass, a mason's doodling in the soft stone. There is not a ~~very~~ heavy conc. of tiles in this sq. as in N'-7, 8, with the exception of the small area in the southeast corner of the square, mentioned in the last batt. Material is a mix of coarse and glaze wall sherds. The quantity of material is much less than in N'-7. This batt. is not yet complete.

July 5, 1978

N'-7 Level 4, Batt. 3 341P 342P 343P 344P 345P ^(heavy) ~~(fine)~~ 346P
 347P Batt. cont. for yesterday Prof. Carter has noticed the
 348P conc. of tiles is highest ~~low~~ at the bottom of this batt.
 (REF MAR) therefore the workers are peeling off the clay just above the tile conc. The depth of the batt. remains about unchanged. The soil remains the dark gray clay w/ the very high content. The very dark clay discussed yest. is also present. This very dark clay seems to come at the bottom of the batt. above w/ the thickest conc. of tiles. It will be interesting to note in the next batt. whether this inser. holds true. ~~It is~~ There as hypoth. yest. the very dark layer may in fact be an ind. of fire, etc. at least something inser. w/ the tile fall. Material was an assortment of coarse + glaze wall sherds.

O'-7 Level 4 Batt. 3 316P 317P

Soil continues to be gray clay. Quantity of material decreased as work moved eastward. Only heavy conc. of tiles remains in SE area, as already noted. Reveal

w/ a hole in its ~~center~~
 including a block ~~to~~ just to the east of the inscribed block,
 0.39 x 0.35 m.; hole diam 0.085, depth 0.07 m.

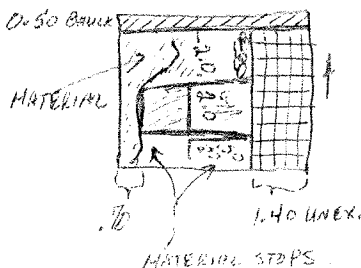
N¹⁻⁷, Level 4, Butt. 3 *

More now can be said about the darker colored clay in this area. As noted before this dark layer seemed assoc. w/ the till pit. This has become strikingly clear in the east end of N¹⁻⁷ and into N¹⁻⁸. There is clearly a layer of the dark gray pure clay and beneath it + overlying the till fall is a very dark layer. In this area the bottom of the ~~layer~~ dark soil has a thin layer of plant material. The exact meaning of this is not clear to me. Is the plant material to be assoc. w/ the fall or w/ some natural occurrence after the till fall? I ~~then~~ feel that it is directly tied with the fall in some way. It is poss. that the clayey soil created an anaerobic environment wh. prevented the decay of the plant material. I have not been able to ~~get~~ arrive at one satisfactory Munsell reading for this soil. It ranges from 10YR 3/1 very dark gray as noted yest. to 7.5YR 3/2 dark brown (especially for the layer of plant material) to 5YR 2.5/2 dark reddish brown, all moist. A person more experienced w/ the Munsell chart may have done better, but these readings convey the basic nature of this dark layer. Whereas the customary pure clay is a deep gray as previously noted, this soil although ~~is~~ with a gray base has definite brownish and ~~no~~ black tints. I have told the workers to leave this dark layer as best as possible. Samples have already been taken wh. included both layers still together. Further samples will be taken. A branch about 0.10 m. long has also been found in this area. It is unfortunate that this layer wasn't observed more closely in the earlier excav. of the sq. Jan N¹⁻⁸. This dark layer extends south for 0.40 and eastward c. 1.50. The configuration of it in N¹⁻⁷ is not now clear but it prob. was assoc. w/ the

N'-8 Level 4, Batt. 3 332 Pt 333T (ST) 334 (Plung) 335B

See above for discussion of soil also note that in section of sq. south of dumper ramp there is evidently no material and no tiles. The soil is blacker in color, and seems to signal the end of the area of cultural activity in this area. The soil is clayey but w/ a higher cone of sand, much higher than has been present in the past few batts. A few ~~strata of red sandstone~~ also present ~~the material~~.

- 336 SS (WOODS BR)
- 337 (GR. CLAY & V. DK. SOIL w/ PL. MAT)
- 338 SS "
- 340 SS "



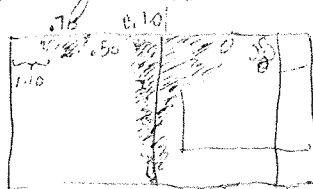
O'-8 Level 4, Batt 3.

This level has not been exc. since almost its entire area is taken up by the dumper ramp.

~~O'-8 Level 4, Batt 4~~

* N'-7, -8 Level 4, Batt. 3.

Traveling around the tile fall for photography indicates that the dark layer does not run throughout the sq., therefore it is not a feature to be assoc. w/ all the fall.



Dark Layer.

The exact extent of the layer though most cannot be determined.

N'-7 Level 4, Batt. 3

A fired fig. fig w/ the lower mold torso of a youth has been found during the course of traveling around the tile fall for photog.

STRATIGRAPHIC LEVELS

N¹-7 Level 4, BATT. 3

- NW corner — — 9.77m.
- SW corner — — 9.67m.
- Center — — 9.82m.
- NE corner — — 9.85m.
- SE corner — — 9.85m.

N¹-8 Level 4, BATT. 3

- South side of ramp } — — 9.83m.
- NE corner } — — 9.77m.
- N. of ramp beside } — — 9.77m.
- large stone } — — 9.77m.

N¹-7 Level 5 BATT. 1 357PL 352SS 353SS 354SS 355SS 369B

370P Level 5 is defined as the area of the very dense till fall
 371P and below. After discussion w/ Prof. Carter it has been
 372P determined that this till fall should be distinguished
 373P from the second concentration of tiles wh. correspond
 374P to level 7. In SW corner there is a black stain wh. no doubt
 375P corresponds to the lg charcoal stain encountered last yr.
 376P A m. about intact vessel, 0.12m h., was found 0.68m. fr.
 377P the W end of og. & 0.10m. from the south end. A woodblock,
 378P 16 X 0.11m. was found just to the north of the intact
 379P vessel. The soil is predominately the gray pure clay as
 380P previously discussed also a streak of the very dark
 381P soil ment bef. has appeared e. 2.5m. fr. the west end
 382P of the og. 383P 384B 385B (shells) 386T (st) 389T (st)

N¹-7 Level 5, BATT. 2 331PL

A high conc. of tiles has not appeared here as in N¹-7.
 Level 5 is defined as the area starting at the level
 of the blocks wh. appeared at the bott. of the last batt.
 in assoc. w/ the inner block. Soil continues to be gray
 clay as bef. in this area. Little material has appeared
 so far.

(29)

poss. remnant of the pavement. Prof. Carter makes this only a prelim. hypoth before further work can be done in the area. One of last finds of day was a large frag. of native plaque w/ remnants of outty. + female companion.

Sunday 6, 1918

O¹-1 Level 5, Batt. I 387PL 388P 390B

The soil in this area has changed from what we have been encountering. Rather than the gray pure clay, the soil is a gray clay with a very very high sand content. There is enough clay in the soil, ~~so~~ that it can be rolled betw the fingers, but the texture of the soil is extremely sandy. Its Mohrrell reading is 54 4/1 dark gray moist.

There is the more usual gray clay along the E. west meter of the sq., then this very sandy clay begins. * ↓ (shells)

N¹-1 Level 5, Batt. I 410PL 411T 412P 413P 414P 415P 416P (RF) 417B

391SS (BRANCHES)
392SS (plant m)
393SS (plant m)
394SS (plant m)
395SS (plant m)
396SS (plant m)
397SS (plant m)
398SS (plant m)
399SS (plant m)
400SS (plant m)
401SS (plant m)
402SS (plant m)
403T (ST)
Soil remains the gray clay w/ high clay content, and there continue to be patches of the very dark soil and plant material. Alfredo of S.B. has ident. a clump of plant 395P material as a cow chip. I don't know, but there's a 396P (RF) man who should know his cow chips. The entire bottom surface of this bath is covered w/ the very dark soil and matted plant material as previously discussed.

Once again the quantity of material was very high w/ a mix of coarse and flange ware. A coarseware sherd w/ strainer holes, several intatuelle frags, a small intact native cup or bowl, and a couple red figure sherds are notable among the ~~material~~ finds.

N¹-8 Level 5, Batt. I 349PL 350P 351B

Once again there ~~was~~ no mat to the south of the dump. Soil was the cust. gray clay w/ ^{the} layer of very dark soil + plant material found in the NE section of sq. Material was a mix of coarse + flange ware.

404SS (25x25)
SS
N¹-11 LV. 5 B1

Large clump of plant material and numerous 391SS during the trenching work.

Pl. poss combined w/ Lev. 5, B. 1
N¹-7 Level 5, Batt. 2 HOST(ST) 466B (HANDIBLE) 407P (LEK) 408P (LING)

The black carbon stain noted last yr. + this yr. is now clearly visible in the west bacill. There is a marked soil change below the very thin, c. 0.001-0.003, layer of very dark soil and plant material. The soil is a clay of a fine sand in its nature. The texture is clayey and its Munsell reading is 2.5Y 3/2 Very dark grayish brown moist. An intact ungulate molar, c. 0.065 L., w/ banded decoration was one of the early finds. Also some statuette frag. have appeared. A few bone fragments including half the lower jaw bone of a carnivore have been found. (only jaw bones)
An almost complete black glass vase has been found 2.60m from west + 1.75 from south. It was being left for photography, but was broken during the customary sprayed dump removal problems. Thus the photog was ~~skipped~~.
Vase appears to be a squat beaker. A terracotta female head crowned w/ a polos was among the statuette frags.

STRATIGRAPHIC LEVELS

N¹-7 Level 5, Batt. 2

- NW corner - 9.98m.
- Center - 10.02m.
- NE corner - 9.95m.
- SE corner - 9.98m.

(SW not taken, because it was removed by worker before it could be taken)

N¹-8 Level 5, Batt. 1

- South of ramp - 10.00m
- NE corner

* N¹-7 Level 5, Batt. 2

This layer ^{has} ~~is~~ ~~rich~~ material, however there is no layer a very high concentration of tiles as in the previous batt. The ratio of soil to cultural material is much higher in this level. There ~~are~~ are great amounts of soil w/ no finds. A ^{soil} sample of the very dk layer + plant material above the very dark grayish clay c. 0.25 x .18 x .05 was taken.

(62)

N¹-7 Level 6, Batt. 1 420P 421P (ck) 422P 423P 424P 425P
 427P This is a shallow batt., c. 0.10 m. d., at the bottom of which ^{426B} is the continuation of the pavement discovered last year in ^{433P} (R)
 428SS N¹-6, 0¹-6. This level ~~is made up of~~ directly above
 429SS and including the pavement has been designated Level 6
 430P which is in accordance w/ last year's practice ~~in~~ in N¹-6
 431P 0¹-6. Soil is the same very dark grayish brown clay as ^{430P}
 432P present in level 5, Batt. 2. There is a thin layer of ~~gray~~ dark
 433P gray (Munsell 10YR 4/1 dark gray worst) above the pavement
 434P and below the very dark grayish brown clay. This is a fine
 435P sand with a texture reminiscent of beach sand. Prof. Carter
 436P believes that this indicates that water was flowing over the pavement
 437P

N¹-7 Level 5, Batt. 1
 Material is a mix of coarse and glaze ware. Notable finds are
 all shifing. black glaze cup or bowl w/ ^{two} ~~single~~ ridges
 for decoration and what is prob. another smelting spout.
 Also there is a bone fragment.

N¹-7 Level 6, Batt. 1
 A fragmentary owl cup has been found lying on the pavement
 c. 0.10 m from ~~the~~ south, c. 0.35 ft. west. Two other frags of this
 cup had been found in the vicinity earlier.
 A small frag. black glaze vase was found c. 0.10 m south of
 the owl cup. It also was lying on the pavement. A large
 branch ~~was~~, c. 0.16 x 0.05 m, which appears charred on
 one side ~~also~~ lay roughly between the two vases. Both vases
 were in the layer of gray sand which covers the pavement.
 Prof. Carter believes that this indicates that these vases were
 washed down w/ the water w/ ~~the~~ sand or were
 lying in the water. There is much higher proportion of fine
 black glaze ware to coarseware in the area of the pavement than
 has been encountered before. Also ~~many~~ in many
 cases several frags from the same vase survive together
 suggesting that they were not washed down to their present
 location. A small branch has been found which Alfred G.
 identifies as a grape vine.

(12)

O¹-^M-8 level 5, Batt. #1 397PL 398B 399T 400T (ANTE) 401P 402P 409P

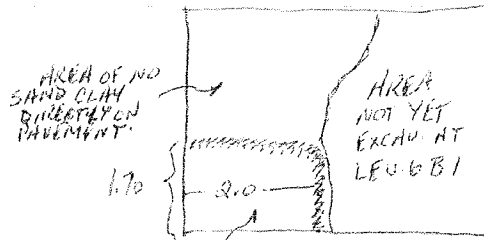
The soil of this level consists of the very dark grayish brown soil observed in N¹-7, but the change of soils was not as marked as in N¹-7. Some of the gray pure clay was also present. The work in this area proceeded eastward into -8 while the supervisor was busy taking levels, therefore the material of the two ops. has been consolidated. The workmen began the removal of the dumper ramp. A pavement appeared along the far east edge of the O¹-7 and the west c. 2.0 m. of O¹-8. The full extent of this pavement is not yet clear, since more of the ramp needs to be removed. Some large stones in O¹-8 are assoc. with the pavement - but their exact relation to it is unclear. There is gray sand also assoc. w/ this pavement. Its full extent is not known, because I must admit that I lost track of this area. There are several patches of black stain in the area of the pavement. It may be indicative of fuel or Prof. Carter believes that it is similar to the dark O¹o. Channel stains found in N¹-5 in 1977. There was a relatively small amount of material, a mix of coarse & fine glass. The troweling of pavement extended back into O¹-11.

~~Material is in~~
There were some bone frags incl. the end of a lg. leg. bone. Also there was a frag. of an antelope w/ part of a palmette on it. Work closed due to depth of ramp, some mix of materials to be expected.

N¹-8 Level 5, Batt. #2 south of Dumper ramp. 358 PL
This area as before contained little material, a few coarseware and the glass ware sherds.

- 359 B
- 360 T (ST)
- 361 T
- 362 P
- 363 P
- 364 P
- 365 P

(64)

N¹-7 Level 6, Batt 1

* Also many bone frags have appeared in this level.

The gray ~~clay~~ sand conc. OF GRAY SAND already discussed now seems limited to the southwest corner of the square. Above it ~~there~~ the clay lies directly on the pavement. In the area of the sand the sand overlies scattered broken tiles wh. lie on the pavement. Pottery ~~containers~~ lies below these tiles. A red figure frag of palmette design was found in the pavement in clay approx. 5.25 ft. west. and 1.0 from north.

N¹-8 Level 5, Batt. 2 North and West of Dumpster ramp.

Soil change as in N¹-7. Large amount of material, mix of coarse + glaze ware sherds. ~~Some~~ ^{Some} large stones appeared just to the west of the ~~stone~~ pavement wh. has been left fr. earlier batt. The exact nature of these large stones is not yet known.

July 7, 1978

N^o - 7 Level 6, Batt. 1 448 PL 449 P 430 P 431 T (SPIND WH) 452 B

Work continues on clearing the pavement, and it is slow due to the extensive use of the shovel. Water also will probably be an increasing problem in spite of the pump, as water is collecting in the NE corner of this square and the adjacent area of N^o - 8 447 SS ^{WOODEN BRANCHES}

- Soil SAMPLE 441 SS

A soil sample, 0.20 x 0.20 x 0.06-0.03 m. located 1.50 m west of the east end of sq + 1.50 m south of north end has been taken. Its vertical location is ———. It consists of the very dark grayish ~~slaty~~ brown clay which lies above the pavement.

- A Note on sampling

More samples should have been taken during the course of this excavation, yet they haven't been taken. Only the laxity of the supervisor is to blame. This situation will be remedied by taking a series of samples out of the bank in the near future. The samples should prove to be especially helpful in this important area of the site. Also numerous branches "ave" been collected and wrapped in aluminum foil. It has been recently pointed out by T. Hale and G. Pate that it would be best to surround these specimens w/ some of the soil from which they came. This will be carried out in the future. Hopefully the past specimens will survive in spite of their collection.

N^o - 8 ~~Level 5, Batt. 1~~ Clearing of dumps ramp down to Level 5, Batt. 1. 439 PL

There was very little material in this area. The area 0.25-0.30 m above Level 5, Batt. 1 consisted of the gray pure clay and contained virtually no fossils. Some carbon lumps and lenses were present in the clay. Notable fossils were a red fig. sherd of the profile of a woman and an unusual black glaze sherd which appears to have a curved design on it, part of a tooth or scapulopecter.

N^o - 2 Clearing of Dumps ramp 434 PL 435 P (CROSSHATCH ARYBLEK) 436 P

O'-8 Level 5, Batt. 1 Area below dumpers ramp.

This area was taken up to the eastern limit of the excav., i.e. 1.40 ~~from~~ west of the -9 axis. The N-S. length of this area is 1.75m. going from the cone of stones left for an earlier batt. to the east limit of excav. The soil consisted of some of the grey pure clay with ^{some} carbon lenses in its matrix which was found primarily in the west third of the area. In the south 73 there was a large area of black stain, Mansell 2:51R & 2:51O Black, moist. The soil of the black stain was a fine textured clay. The material was found in this area.

A Note on the levels in O'-7, O'-8

In dealing with this area it should be noted that there is not an exact correspondence between its levels and the levels in N'-7, -8. The notes should always be checked to avoid confusion. ~~The excav Level 5, Batt. 1~~ excavated yesterday included some material which technically belonged to Level 6, i.e. the level just above & including the pavement. The knocking and pick work around the ~~stone cone~~ ~~between the~~ stone cone, betw -7 & 8 ~~was correct~~ ~~down~~ revealed that this is apparently a continuation of the pavement disc. last yr. which in this area slopes upward to the east. The levels will be left unchanged ~~as far as~~. The next shallow batt. in O'-7 will be designated level 6 since it will be just above and include the pavement. The pavement has already been uncovered along the east edge of -7, and it has been ~~was~~ revealed in the west 2.50m of -8. The pavement then stops.

O'-7 Level 6, Batt. 1 443 PL 44255 (Br.) 444 B (Claw)

A relatively shallow bath of c. 0.05-0.10m has revealed more of the pavement. The soil in this area is complex. The grey sandy soil, noted in previous batt. in this area persists along the southern 1.50-2.00m of the area. Some patches of grey pure clay are also present as well as some very dark greyish brown clay ~~soil~~ along the north end of the area.

(6.1) There are scattered carbon lenses in the soil, ...

several branches (some of the charred) of wood were recovered. These branches were encased in clay from the area and covered w/ alum foil. The pavement as expected appeared at the bottom of the level and is now being troweled. In the southwest corner near the large blocks several lg. tile frags have been found. Most notable is a curved roof tile which survives almost for its entire length, only a bit of one edge is chipped broken off, 0.44 x 0.16. The finds were very few in number, scattered coarse and glaze ware frags. Also there were the branches already noted and an animal claw.

N¹⁻⁷ level 6, Batt 1

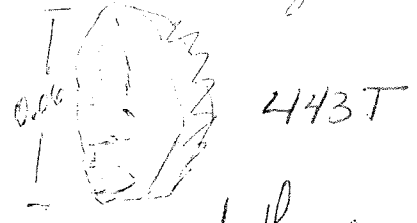
Work continued in this area, but moves slowly due to difficulty of troweling the clay and time spent in removing the Drumper ramp. The density of material is much lower than yesterday. As work proceeds eastward the density of material material drops. This of course corresponds to movement away from the large wall in N¹⁻³ due. in 1977. The material consists of a mix of coarse and glaze ware of one firing source (I forgot the correct name) tonight. Several wooden branches were also present

- N¹⁻⁸ level 6, Batt. 1 453P 454B 455B (skull) 456SS (branches)
- 457P 458SS (worked wood)

one early find was a small worked piece of wood, 0.06 x 0.02 x 0.015. It has been encased in clay and wrapped in aluminum foil. Also a fragmentary animal skull.

N¹⁻⁹ level 6, Batt 1

A large facial frag. from a large votive plaque has been found 0.85' from west end and 1.35' from north just north of the lg blocks.



For Str. elev. of these areas see last notebook

N¹-8 Level 6, Batt 1

The western c. 1.70m of this sq. has soil ident. to N¹-11 namely very dark grayish brown fine clay. The next 2.90-1.60m of the sq. in the SE corner of area excav. has a fine olive gray clay, Munsell 5Y 5/2 moist. There was some dark blue gray clay, Munsell 5Y 3/2 moist, in the far SE corner. This olive gray soil contained no matrix materials. Although it is too early to tell for sure, the line betw. the very dark grayish clay and the olive gray clay may run parallel to the large wall in N¹-5, -6.

The removal of the dumpster ramp has revealed most of the core of stones in the NE corner of the area. Its exact nature, wall?, pavement?, fall? is still not clear. A large conglom. block c. 0.63 x 0.70 has been partially uncovered in this area. There is a small amount of water running from under part of it ^{10-15'} indicating the presence of another spring. As work continues in this area it becomes more apparent that the olive gray clay's boundary slants towards the NE. ~~Whether the limit of the blue gray clay runs parallel to the large wall cannot be stated yet.~~ The extent of pavement into this sq. remains uncertain until further knowledge can be done.

N¹-7 Level 6, Batt 1

Pavement exposed w² covers most of the sq. Overall it is ~~of~~ composed of smaller stones than the pavement in N¹-7 N¹-6 Level 6, Batt 1.

Prof Carter has observed that the top of a conglom. block in N¹-8 as yet unexcav. appears to line up w/ the conglom. block in the NE corner of N¹-8. At the end of the day, Ameype came across the negative of a conglom. block 1.10 south of the block in this area. The dimensions of the negative as exposed are 0.70 x 0.50 w/ more to be uncovered.

* This marks the end of material covered in field & attempts to indicate a boundary. The end of material in N¹-8 is west of it.

(69)

15 1978 L3 = to 1977 L3?
 + 13th so I 2 yes
 M-2-3 1978 L3
 1977 what?
 so IV 2 yes

70

July 8, 1978 SAT.

L¹⁻⁴ Level 3, Batt. 1 Sounding w/in room. ^{459 PL} ^{460 P (CIV?)}
 Robin of N.Z., Jane^H, J. Carter, Giuseppe D.T., and ^{446 B (Teeth)}
 carried out various operations on this Saturday morning.
 Excavation was in the room of the farmhouse where Celeste
 is located. (the exact wall termin will be checked). After
 a study of the 1977 field notes, it has been determined that
 we are in level 3, Batt. 1. Level 3 is equal to the tile fall
 and below. The tiles of the fall were largely removed by
 hand and then a shallow batt. was ~~was~~ brought down by
 pick and shovel, depth c. 0.05m. The designation of level
 3 will be maintained until a new feature is reached. The
 soil from this area is the first soil to be used in the new
 water flotation system. *Celeste will be uncovered
 in conjunction of this excavation. The material of the first
 batt. consisted of mostly large coarseware body sherds, a
 circular loomweight, a few black glaze sherds incl. one w/
 a painted design wh. may be *Stathina* ware, a jaw frag w/ teeth
 and a small ~~and~~ leg bone of poss. a bird. This area was worked
 by Prof. Carter and Giuseppe D.T.
 M^{1-2, -3} Level 3, Batt. 3. ^{446 PL}
 The exact determ. of this level is not easily arrived at through
 the 1977 field notes. Five batt. of level 3 were taken down in
 this area according to the notes, yet an area of no more than
 c. 0.17-0.25m. appears to have been removed. The notes are not
 detailed enough to clarify where all those batt. went. The
 area we are in now is definitely in what is defined as level
 3 (Area of tile fall/walls and below), and I will arbitrarily
 set the batt. at 3 allowing for the removal of two. Caution
 therefore should be used in dealing w/ the 1977 and 1978
 work in this area. I have not attempted to correspond exactly
 of the batt. count of last year. This work is a sounding
 made w/in the walls of this area (Wall desig. to be found later).
 Most of the work in this area was done by Robin Austin and
 Jane Henner w/ occasional help from Prof. Carter, Giuseppe D.T.,
 and J. England.

(M)

L¹⁻⁴ Level 3, Batt. 2 Sounding w/in Rm. 463 PL
Soil continues to contain many tile fragments and small stones. Material is a mix of coarse and glaze ware w/ the majority of sherds being coarseware. There was more material in this batt. than in the first batt. 464P 465P 466P 467SS (FLOT SAMPLE)

* A wheelbarrow load of soil from the area south of Celeste's location will be put through flotation for each batt.

L¹⁻⁴ Level 3, Batt. 3 Sounding w/in Rm. 468 PL 469P (BIG SKYP) 470P (leaf des) 471SS (Flot. S.)
Some tiles and stones still present in the soil. Material of coarse and glaze ware of a variable downweight.
These three batt. have been very shallow and have gone down only 0.27 - 0.16 m. depending upon the slope of the hill.

M¹⁻² Level 3, Batt. 3 Sounding w/in Rm.
This has been a very shallow batt. only 0.02 - 0.05 m. in depth. Finds were few in number! some coarseware sherds w/ some small black glaze frags. A very large tile or poss. storage jar frag. was also included in the lot.

STRATIGRAPHIC LEVELS, SAGINAW CO. MI. -1670m.

L¹⁻³ Level 2, Part 2
S.W. corner, May 1977 Test. - ~~4.465m~~ 4.505m.

L¹⁻⁶ Level 2, Part 2
S.W. corner - ~~4.285m~~ 4.465m.
NW corner - 4.355m.
Center - 4.345m.
NE corner - 4.285m.
SE corner - 4.345m.

L¹⁻⁷ Level 2, Part 2
Center - 4.275m.
NW corner - 4.165m. / 400m. test
SE corner - 4.345m. / 400m. test
KUBS OK
possible of 20000 ft.

L¹⁻⁸ Level 3, Part 3 491 PL 492B
S.W. corner of base of pit along with
little sand. Some black clay wear + various
small fragments, some shells, of bones

L¹⁻⁹ Level 3, Part 3 499 PL 500B
Ditto on soil. Black glazed on sherd. Found
a few frags of hand-made type ware.

(M)

see photos 7/8

July 12, 1978

L^{1-5,-6} Level 2, Batt. 4 Southern Strip

Excavation in this area is now confined to a 20m wide strip along the southern end of these two squares. The remainder of the area is virgin soil. Soil is sandy in texture w/ scattered small stones in the matrix; ~~the~~ Mundell 104R 5/4 yellowish ~~(etc.)~~ brown moist.

M^{1-5,-6} Clearing around blocks and walls. * 506P (Ba. Rum) 50.6 P

Several large washed blocks were uncovered in this area during the 1977 season. The erosion of the past year has ~~uncovered~~ uncovered them even more. They were located in level 2 with level 3 appearing at the bottom of the area. Recent examination of the area by Prof. Carter has revealed the presence of two more walls here which previously were unidentified. A clearing operation is now being carried out to allow Mike to plot these features on the site plan. Then further excavation will be carried out here. A bronze ring w/ a diam. of 0.025m. was in the area of the pillar on the west edge of M¹⁻⁶. A fragment of terra sigillata w/ a fine raised design which appears to be from an erotic scene w/ a lower

0.052m -



509P

torso and below it the upper torso of another fig. cradling the thigh of the upper figure. Drapery below upper figure

*. Includes some of the area excav. in the western half of M¹⁻⁶. Several small statuettes fragments have also appeared both in M¹⁻⁵ and -6. 507T

L^{1-5,-6} Level 2, Batt. 4 Southern Strip 493P 494B

Little material was present in this level. Most sherds were various nondescript coarseware ~~shards~~ frags. Some black glaze and grayware frags were also found. There were a few shells which may have been very poor imitations of Aretine-type ~~or~~ or they may simply be another real ware. Also a

STRATIGRAPHIC LEVELS - SIGHTED CR. M¹-4 @ -7.70m.

Three points will be used for level taking in L¹-5,-6 Southern strip:
A = midpoint of strip @ west end by 1977 test trench; B = midpoint of strip on -6 axis; C = midpoint of strip on -7 axis (east end of strip).

L¹-5,-6 Level 2, Batt. 4 Southern Strip

A = -7.70m.

B = -7.70m.

C = -7.66m.

L¹-5,-6 Level 2, Batt. 5 Southern strip 504PL

Soil continues to be same yellowish-brown sandy earth.

There is a noticeable increase in ~~red~~ rust colored streaks of the common red sand in ~~the~~ of the pits in the matrix.

M¹-6 Cleaning around blocks and large N-S wall, 511PL 512T (ST)

This operation is concerned w/ cleaning out erosion fill from the level of the continuation of the large conglomerate wall running north-south. It should be distinguished from the ^{prev.} operation in M¹-5,6 which was concerned w/ blocks at a higher level.

M¹-5,-6 Cleaning around blocks and walls. ~~511PL 512T~~

In addition to the noted special finds a few other coarseware and black glaze sherds were found. ~~They~~

M¹-6 Cleaning around blocks and large N-S wall.

In the course of cleaning a new outlet for the spring discovered in 1977 was ~~now~~ opened. The area was quickly flooded by a very rapid rush of water. The pipe leading from the old spring outlet was removed so that the water could run through the rest of the pipe line leading to the canal. Some water is already seeping through to ~~the~~ N¹-5,-6. The bank along the N axis may be in very serious danger of undermining unless a solution can be found to this new water problem.

STRATIGRAPHIC LEVELS - SIGHTED CR. M¹-4 @ -7.70m.

L¹-5,-6 Level 2, Batt. 5 Southern Strip.

A = -7.86m.

B = -7.82m.

C = -7.80m.

M¹-6 ~~Level 3~~ Level 3 BATT 1 - Find Spot of Roman coin, July 12, 1978.

- 8.60m.

(70)

M'-6, -7 Level 3, BATT. 1 513PK 514B 515P 516T (ST.F)

A new area has been opened. The area was brought down by the bulldozer to a level equal with the first tile concentration, therefore area is designated as Level 3, Batt. 1. All but the eastern 2.0 m. of M'-6 were excavated in 1977.

- A bronze Roman as has been found in M'-6 about 1.50m. from the east edge of the square and near its mid east-west axis. The diameter of the coin is 0.0265. The coin is fairly heavily corroded especially on the reverse. A portrait in profile of what appears to be a young man is on the obverse. The obverse inscr.

517M reads: CAESAR AVG GERMANICUS TON ATR POT. The reverse is too badly corroded at this time for any features to be discernible. ~~Although~~ The coin definitely appears to belong to a Julio-Claudian. Although it could be several different emperors my first hunch would be Caligula, my second a young Nero.

M'-6 Cleaning around blocks and large N-S wall.

Material is predominantly not described coarseware w/ some black glaze sherds. Several statuettes frags. were also found.

M'-5, -6 Level 2, Batt 5 Southern Strip.

Material consists primarily of coarseware sherds w/ some black glaze sherds. There are also some frags of what appears to be an imitation of Aretine-type ware. Some two bones frags.

A few tiles frags present in the soil as in the previous batt.

M'-5, -6 Level 2, Batt 6 Southern Strip 503PK

Soil remains the same yellowish brown sandy soil.

Small stones and streaks of reddish sand are still noticeable.

Tile frags are scattered throughout the matrix, but not in a high density.

M'-5, -6 Cleaning around blocks and walls. 510M

A large iron nail, 0.055m long, with a large head, 0.025m in diam, was found on the extreme east end of M'-5

M'-6, -7 Level 3, Batt 1

Soil is a dark gray clay, Munsell 10YR 4/1 moist, w/ white concretions, streaks of red sand, and other sand + fine gravel in the matrix. Material consists of various coarseware sherds incl a piece w/ impressed line dec, and numerous bone frags. There were also two circular home-weight and

199

1-5, -6 Level 2, Batt. 6 Southern Strip 505 Pl.
Few finds, mostly coarseware sherds w/ a few black glaze
frags.

(80)

1000 from the east

JULY 13, 1978

see photo July 12

M-5 Clearing of dirt below large blocks @ West end of sq. PZ. 78.518 PL

The two large blocks at the west end of the sq. excav. in 1977 were removed along w/ the dirt below them. The soil supporting these blocks was below the gravel layer wh. has been assoc. w/ the first tile concentration in this area. Prof. Carter has observed the high density of gravel north of the blocks where the flow of water backed up against the blocks. The material here consisted of a few coarseware sherds and two black glaze sherds. Notable among the finds was a male ^{PZ. 78.520M (all frags)} ~~terracotta~~ ^{terracotta} figurine head. There was also ^{3 other} ~~one~~ small ^{PZ. 78.519M} nondescript ^{terracotta} figurine and small piece metal prob. a nail, 0.055 m.l.

M-5 NOTE ON LEVELS

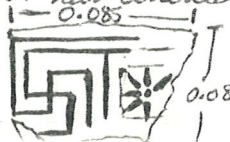
Excavation has been reopened in this square around the group of blocks and tiles exposed in 1977. All the area is in Level 3, the area below the first tile conc. + the gravel layer assoc. w/ it, however, the depth of level 3 varies throughout the square. The eastern 0.60-0.70m of the square is right at the surface of the gravel layer, while the gravel layer slopes up to a maximum of 0.85m. above the floor of the square in its NW corner. The floor of the sq on the average is 0.30-0.40 m. below the gravel layer. The eastern section

is sq at the level was excav. separately in a shallow batt. and will be designated Level 3, Batt. A Area of gravel layer. The rest of the work throughout the square will begin at level 3, Batt. 1.

M-5 Level 3, BATT. A Area of the gravel layer. PZ. 78.526 PL

See above for description of batt. Relatively high quantity of material for the small area excav. Most sherds were coarseware w/ a few pieces of black glaze. There was one ^{PZ. 78.523M} ~~one~~ ^{PZ. 78.522M} ~~one~~ small statuette frags, and a piece of iron, 0.047 m.l.

Most notable find was fragment of terra cotta revetment w/ a meander and star design. Prof. Carter has likened it to the revetments found at San Diego.



PZ. 78.521 T

(81)

PZ 78 FIELD NOTES

Book # III

-6, -7, -8 Level 3, Batt. 1 PZ. 78.529 PL (2 bags)

Work begun in this area yesterday continued. The area under excavation is a strip 2.70m. wide running west-east. It is bounded by the area of the old irrigation canal to the north, the long ~~west~~ baulk on the N-axis to the south, and the 1977 sounding in M'-6. The material ~~will~~ for the entire area will be kept together unless a circumstance arises calling for separation. Soil remains as described yesterday.

M'-5 Level 3, Batt. 1 PZ. 78.524 PL

For discussion of level see above. Soil is a grayish brown clay, Munsell 2.5Y 5/2 morat, with streaks of red sand + other * sand present in the matrix. Scattered small stones and ~~etc~~ other sand are also in the matrix in small quantities. The excavation in this area is working around the large group of blocks and tiles in the NE corner of the square. Cleaning around this area yesterday revealed that this was laid by man rather than simply a fall of material fr. the hill. Fairly large amount of material present is predominately ~~black glaze~~ ^{heavy} coarseware frags w/ some black glaze ware.

A small black glaze bowl, 0.03 m. h., was found in three pieces. The breaks are old and apart from a chipped base ' is complete. Numerous statuettes fragments were in this level. Most are nondescript, however there is one frag. w/ an amphora on it and three small heads. PZ. 78.528 T

* It should be noted that ~~the~~ difference in color between the soil of M'-5 and M'-6, -7, -8 is striking. The soil in M'-5 is much lighter in color than ~~the~~ ^{the area to the east} ~~area~~, all above for indiv. discussion of soils. There is also a significant difference betw. the material of these areas. The mat. of M'-5 is clearly Greek in character, whereas the finds from M'-6, -7, -8 ~~are~~ appear to be Roman. Although this ident. can not be certain, the heavy coarseware frags and tiles in the area certainly look Roman to this observer. This batt. has revealed further lower courses to the group of blocks. These lower courses are also in the form of large blocks, there can be no doubt that they were laid by human hands. Photographs taken

2 STAT FRAGS PULLED FROM 524 PL → PZ. 78.525 T

11-5 Level 3, Batt. 2.

PZ. 78.533 PL

The soil has changed from the previous batt. Although the base of the soil is still clearly clay, the matrix now contains a very high conc. of sand. The sand content is so high that the soil easily breaks up in your hand. The color of the soil is grayish brown to brown, Munsell 10YR 5/2 - 5/3 moist.

This sandy soil is especially present noticeable in the NW corner of the area. As work proceeds from the NW corner the clay content of the soil increases and the soil is slightly different shade of grayish brown, Munsell 2.5Y 5/2 moist. Streaks of red sand are also increasingly present as work proceeds eastward from the NW corner. A small votive deposit has appeared 1.25m

from the west end of the area and 1.40m from the south end of the area. ~~It is not yet~~ The deposits exact nature is not yet clear.

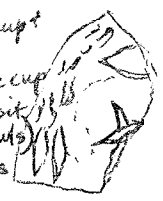
At present three small votive cups under a stone are all that is visible. A fragment of a gorgon antefix was found just east of the votive deposit near the large blocks. PZ. 78.5348 - 1 bone frag

PZ. 78.536T - Frag. votive cup + B.G. lid

PZ. 78.537T - Frag. votive cup

PZ. 78.538T - Votive deposit (Complete? frag. cups, bowls)

PZ. 78.539T - 32 stat frags



0.045 PZ. 78.535T

A few mudbrick fragments have also been found in this area. The largest of this frags. within a clod of surrounding earth was saved, the other frags. were too small. PZ. 78.540SS

M1-6, 7, 8 level 3, Batt I

PZ. 78.529 PL (2 bags) [see previous page]

Little material present relative to the area. As in the excav. in N1-7, 8 & O1-7, 8 the trench in this area was stopped 1.40m. away from the east end of M1-8. The material was all coarseware sherds except for one black glaze frag. and few bones. PZ. 78.530B

Coarseware sherds are the thick walled orange variety which implies Roman to me. Several ~~frag.~~ tiles frags also saved: include the flat variety w/ upturned edges and a tile w/ what may be a stamp on it. ^{very worn}

PZ. 78.531T - large tile frag w/ recess for fitting

PZ. 78.532T - large thick flat unidentifiable object

(83)

FINDINGS!

M'-5, Level 3, Batt 2.

see previous page

In addition to the above finds there was a mixture of coarseware and black glaze sherds including a very fine black glaze lid. There were also numerous figurine frags including a satyr head, an archaic type head, a couple of other heads, the head of a horse fr. a horned dead piglet, the lower abdomen + legs of a nude male fig. ^{from workshop} and various nondescript sherds. There were other frags of votive vessels in the material in addition to the vessels in the votive deposit.

STRATIGRAPHIC LEVELS SIGHTED FROM M'-4 @ -7.10m.

M'-5 Level 3, Batt 1

- NW of blocks ag. N. Bank. — 8.825m.
- SW corner — 8.805m.
- Center — 8.745m.
- SE corner — 8.705m.

M'-6, -7, -8 Level 3, Batt 1

- West end, center — 8.585m.
- M'-6 SE corner — 8.585m.
- M'-7 Center — 8.705m.
- " SE corner — 8.665m.
- M'-8 Center E. end — 8.615m.

5, -7, -8 Level 3, Batt 2

PZ. 78.541 PL

Soil in texture and appearance remains unchanged from Batt. 1. Red sand streaks, other sand + small gravel, and white concretions present w/in a clay matrix. Whereas ~~friday~~ in Batt 1 I ident. the soil color as dark gray Munsell 10YR 4/2 moist, this soil appears to be more dark grayish brown Munsell 10YR 4/2 moist. The difference may be due to a subtle change in the soil or more probably due to a lack of consistency in my own perception of color. Only a small area was opened today. The finds continue to be almost all large coarseware frags. Two black glaze frags and several grayware frags along w/ some bones were also among the material.
PZ. 78.542B

(84)

STRATIGRAPHIC LEVELS SIGHTED FROM M¹⁻⁴ @ -7.10m.

M¹⁻⁵ Level 3, Batt. 2

- NW of blocks ag. st. Bundle - 8.905
- SW corner - 8.985
- Votive deposit, see above - 8.965
- Center - 9.005
- SE corner - 9.055

M¹⁻⁵ Level 3, Batt. 2.

Votive dep. consisted of 3 small votive cups or bowls. Photographed + removed. [see 2 pages previous]

Today the area supervisor theorized that the group of blocks in M¹⁻⁵ may be assoc. w/ the big wall. ~~Some~~ A stairway leading to the west end of the wall may exist; if so, these ~~two~~ blocks may be ~~associated with~~ an altar or other structure w/in the temenos. An objection to this is the somewhat sloppy construction of the complex of blocks in M¹⁻⁵. Also a direct connection betw. these blocks and the large wall has not yet been firmly established. This requires further excavation.

M^{1-6, -7, -8} Level 3 Batt. 2

In addition to the Hittite frag. the material was all coarseware frags w/ a couple black glaze sherds. Some ~~structive~~ tiles from area also saved. Material as stated before appears Roman. In M¹⁻⁷ the north of M¹⁻⁷ beginning 0.80 m fr. its west end ~~there is~~ a conc. of stones and tiles has appeared. ^{along with} The top of a large block has also appeared just south of this concentration. The next batt. should help to clarify this area.

M^{1-6, -7, -8} ~~Batt. 2~~ Level 3, Batt. 3

Soil remains unchanged. The stone + tile conc. and block ~~in~~ M¹⁻⁷ have been further exposed

(85)

July 14, 1978

M¹⁻⁵ Level 3, Batt. 3

Soil remains a grayish brown, Munsell 2.5Y 5/2 moist, clay w/ a very high ~~content~~ sand content. Some streaks of red sand present and a few scattered carbon lenses also present in the matrix.

M¹⁻⁶ ~~Excavation~~ EXCAVATION and clearing east of large blocks in M¹⁻⁵.

This operation was carried out by Prof. Carter using pick and trowel. A layer of virgin soil has appeared in the SE corner of M¹⁻⁵ at the bottom of M¹⁻⁵. This virgin soil continues in M¹⁻⁶, and Prof. Carter has observed that it descends as it moves northward. The virgin soil is a yellowish brown, Munsell 10YR 5/4 moist, sand of a fine texture. A somewhat coarser dark grayish, Munsell 10YR 4/2 moist, lies above the descending virgin soil. Prof. Carter has observed that this latter sand contains maternal ^{arch.} votive frags and numerous small carbon lenses. Prof. Carter has ident. this sand as a fill above the virgin soil probably coming from a spring. He theorizes that this is the area of the ancient spring opening. Prof. Carter has reconstr. the situation as follows: The blocks in M¹⁻⁵ are the remains of the spring house while walls in N^{1-5, 6-8} are part of a large basin. The great flood indicated by the layer of gravel throughout the site destroyed the sanctuary. Shortly afterward the farmhouse was constructed. The tile construction on top of the spring house is the remains of a well wh. the farmers built to take advantage of the now covered spring. Prof. Carter points out that a large conc. of votive frags. were found in M¹⁻⁶ during the 1977 season.

M^{1-6, 7, 8} Level 3, Batt. 2

PZ. 78. 543 PL

Excavation of this level continues from yesterday. The soil remains the same dark grayish brown clay as discussed above. Many tiles are present in the level; the majority of tiles frags are from the flat variety w/ upturned edge. My previous feeling that this was a layer of Roman material - has been strengthened by the find of a nice piece of Arretine - type ware w/ impressed ~~line~~ ^{line} design. PZ. 78. 544 B - 4 large + 5 small bone frags.

STRATIGRAPHIC LEVELS

M¹⁻⁵ Level 3, Batt. 3

- NORTHWEST CORNER NB. N. BLOCK BY BLOCKS - 9.07m
- SW corner - 9.20m
- Center - ~~9.14m~~ - 9.13m
- SE corner - 9.14m

M^{1-6, 7, 8} Level 3, Batt. 2

- ~~At the~~ West end of area, center. - 9.06m - 8.76m
- M¹⁻⁶ SE corner - 9.08m - 8.78m
- M¹⁻⁷ Center - ~~8.79m~~ - 8.79m
- SE corner - 8.88m

M¹⁻⁵ Level 3, Batt. 3 PZ. 78.553PL

Sand content of soil once again increases in the NW corner as in Batt. 2. The density of red sand in the matrix is noticeably higher in the SE section of the sq. and a very small area in the NW corner. Prof. Carter has recognized a change in soil color in the western half of the sq. which he believes corresponds to the 6th c. channel found in M¹⁻⁵ during the 1947 season. This soil change is not entirely noticeable to the supervisor, the next batt. should help to clarify matters. The material is predominantly coarse ware w/ few shreds of black glaze and painted ware.

There were ~~many~~ ^{PZ. 78.555H} frags. of a small votive cups and one intact votive cup was found. There were also four small statuette frags among the finds. PZ. 78.556T

* There was one ~~characteristic~~ ^{PZ. 78.554P - bowl section} characteristic 6th c. rim frag. among the shreds.

M¹⁻⁶ Excavation and cleaning east of large blocks in M¹⁻⁵ PZ. 78.558P

Prof. Carter has brought his operation to the point of photography. A section has been exposed revealing the stratigraphy of the area. The majority of material was coarseware shreds; there were also a ~~couple~~ ^{few} fine ware frags and three statuette fragments. PZ. 78.559T

M^{1-6, 7, 8} Level 3, Batt. 2

In addition to ~~Attretine~~ ^{Attretine} frag, the mat. was all coarseware frags w/ a couple black glaze shreds. Some distinctive tiles frags were saved. Mat. as stated bef. appears to be km. In the north

(see) Batt. 1-7 has 9.80m by its west end and a row of stones

and tiles has appeared. The top of a large ^{conglom} block has also shown up just south of this cone. The Batt. should help to clarify the act. work in area now stopped 2.90m from east end of M'-8, apparently for dumper considerations.

M'-6; 7; 8. Level 3, Batt. 3. PZ. 78.546 PL

Soil remains unchanged from previous batt. Stone & tile conglom. and conglom. block in M'-7 further exposed. Other scattered things are visible at the bottom of the batt. A upper frag of a satyr's head figurine was found in the southern portion of M'-6. Majority of material is coarseware frags of Roman appearance w/ the exception of a few black glaze sherds. Once again some tile frags have been saved. During his visit today Prof. Adamant again ident. one of the coarseware frag as part of an antefix. It would have been one of the spout pieces. Several large bone frags, an antler frag, and

M'-5 Level 3, Batt. 4 a large lump of iron slag were also among the finds. Also several grayware frags are present
M'-5 Level 3, Batt. 4 PZ. 78.561 PL

Two large frag. bases have been found 0.95 m. fr. east end of sq and 0.90m found south baulk. They may be hygieia bases. Both are lying w/ their ~~base~~ bottom pointed up. There is one large base frag, its full extent not yet determined on top of which is a smaller base frag.

The soil appears to be the same very sandy grayish brown clay previously encountered in this area. There may be some slightly darker soil in the center area to correspond to Prof. Carter's channel, but I still have not ident. it w/ certainty. In the NW corner as was first observed last batt. there was a cone of yellowish brown sandy soil. Work in this area has been greatly complicated by a flow of water which has turned it into a pond. The water seems to be seeping in all through the sq, which makes water control diff. A hole or drain hole is being driven in the south baulk. The material is predominately coarseware w/ some black glaze ware. Prof. Carter has ~~mentioned~~ ^{pointed out} the archaic character of all pottery, there is the base of an Ionic cup and several 6th c. time rim frags. See Batt. 3 for the last

LARGE FRAG. ONE - PZ. 78.572 PL
LARGE FRAG. 2 - PZ. 78.570 PL

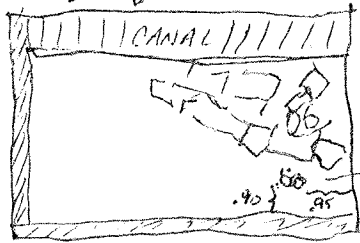
PZ. 78.552 T. Satyr's head
PZ. 78.548 M. Conglom. w/ frags
PZ. 78.550 M. Large nail

(60)

appearance of a characteristic 6th c. Eum. There is only one small figurine frag., however there were many frags of small votive cups. Also among the mat. was a large frag of a small vase w/ a small neck, wide ^{with handle att.} and round body, possibly an arybalos. Also a bone frag., ident. by Leonardo as a ^{bone} knee joint. PZ. 78.563B-3 bone frags



A complete ^{PZ. 78.5695} An intact votive cup, 0.028 m. h., and a frag but poss. complete ^{PZ. 78.565P (dirt saved-56653)} votive long cup, 0.04 m. h. have been found. Also a ^{PZ. 78.569T-B} a ^{PZ. 78.568P} ~~frag of thymet...~~ Also an intact shallow votive phiale



PZ. 78.564T - stat frag-head?
PZ. 78.569B-

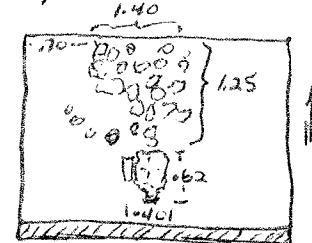
STRATIGRAPHIC LEVELS

M ¹⁻⁵ Level 3, Batt. 4	
Two VASES IN SITU.	-9.28 m.
M ^{1-6, 7, 8} Level 3, Batt. 3	
West end, center	-9.05 m.
SE corner M ¹⁻⁶	-9.08 m.
M ¹⁻⁷ ON STONE & TILE CONC. AG. N. BRICK	-8.87 m.
M ¹⁻⁷ Center	-9.10 m.
M ¹⁻⁷ SE corner	-9.13 m.
EAST END OF PACEWAY	-9.15 m.

AVE A SPACE FOR CARTERS July 15, 1978 NOTES

July 17, 1978

M¹-7 Level 3, Batt. 3



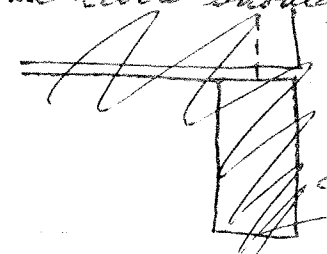
Tile and stone conc. and large conglom. block, discussed above, were swept and photographed. In the next batt. the stone and tile conc. will be removed, and the block will be left in place.

M¹-8, -9 ~~Clearing~~ Level 3, Clearing of Dumper ramp.

The dumper ramp in this area is being cleared down to Level 3, Batt. 3. This operation includes the ~~the~~ eastern section of M¹-8 previously left unexc. see above, and ~~a few centimeters~~ 0.60m of M¹-9. This entire area in conj. w/ M¹-6, -7 will now be excavated in search of the big wall's elusive corner.

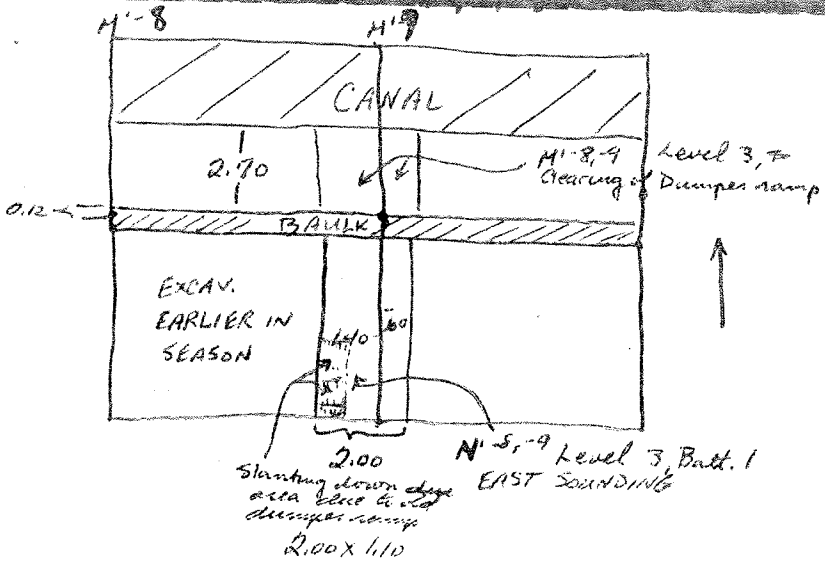
N 8, -9 Level 3, Batt. 1 EAST SOUNDING PZ-78-585PL

This area has been opened to clarify the apparent wall previously found in the NE corner of N¹-8 see above. The unexc. 1.40m. of N¹-8 and 0.60m. of N¹-9 constitute this sounding. The bulldozer has been in this area twice, therefore the exact level in relation to other areas is difficult to det. It is very near Level 3, Batt. 1 and will be desig. as such. For an exact correspondence to other levels the actual stratigraphic level should be referred to in the notes.



This area will also be desig. as "East Sounding" to distinguish it from the earlier work in N¹-8. Also along the SW side of this area a strip 2.00x1.10 slopes _{at max. 10°}

(90)



The soil is a very dark grayish brown clay, Munsell 2.5Y 3/2 moist, with a few streaks of red sand and some scattered traces of gravel in its matrix. Scattered tile frags are present throughout the level. There was very little mat, a few bone and coarseware frags and a small pyramidal brownweight. No characteristic pieces however. The coarseware in general appearance seems Roman. Intently basing an assumption on the appearance of coarseware fabric is very shaky.

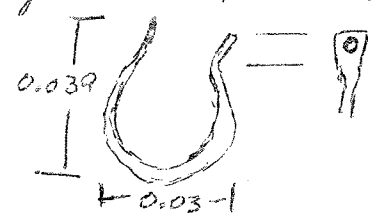
- STRATIGRAPHIC LEVELS - SIGHTED FROM M^L4 @ -7.10m
- N¹-8,-9 Level 3, Batt. 1 EAST SOUNDING
 - NW corner - 8.81m.
 - NE corner - 8.82m.
 - Center - 8.87m.
 - SE corner - 8.79m.
 - N¹-8,-9 Level 3, Batt. 2 EAST SOUNDING
 - NW corner - 8.96m.
 - NE corner - 8.94m.
 - Center - 8.98m.
 - SE corner - 8.93m.

(91)

... 1-8, -9 Level 3, Clearing of Dumper ramp. PZ. 78. 583 PL
 Very little material, the majority was coarseware frags.
 PZ. 78. 584 B Some bone frags, a few black glaze sherds, and
 one frag. of Ametins-type ware were also present
 among the finds. Also a small broken pyramidal bone.

M¹-6, -7 Level 3, Batt. 4. PZ. 78. 575 PL (2 bags)

Work in this area -6 to -8 was all kept in one lot. Now on
 the lot will be divided betw. -6, -7 and -8, -9. The
 area of -6 working into -7 contains numerous stones
 and tile frags wh. are assoc. w/ the stone + tile conc. in
 -7. This conc. is being removed with this batt. The
 large conglom. block will be left in place. Among the
 PZ. 78. 582 A early finds is a bent piece of iron w/ eyelets at both
 ends. A pot ear ring? I vaguely remember a similar
 piece of metal from the 1974 season.



- PZ. 78. 576 P - shards of white vessel
- " 577 P - gritty spout shard
- " 578 P - lamp spout
- " 579 P - large white rim shard
- " 580 T - large tile rim/recess
- " 581 B - 7 bone frags

N¹-8, -9 Level 3, Batt. 2 East Sounding PZ. 78. 587 PL

Soil remains unchanged. Little mat: some coarseware
 PZ. 78. 588 B sherds and a few bone frags, ^{two} grayware sherds, some
 black glaze sherds incl. one w/ decoration, and a frag.
 of a small vessel w/ a knob base - a votive amphora?

M¹-6, -7 Level 3, Batt. 4

Soil seems to have changed slightly. It is a dark gray,
 Murrell 5Y 4/1 moist, clay w/ numerous small streaks of
 red sand. The white concretions present in previous batt.
 are ~~not~~ no longer evident. There are a few small pebbles
 scattered throughout the matrix.

(92)

N^o 8, -9 Level 3, Batt. 3 EAST SOUNDING PZ. 78.589 PL

Soil is a dark grayish brown, Munsell 2.5Y 4/2 moist, clay with a few small pebbles and virtually no red sand in the matrix. ~~The clay~~ The clay is moist and sticky coming up in large clods w/ the pecks. There is relatively little material, however many small sherds are no doubt lost in the clods. There is very little material, but better than half the finds are black glaze frags among which is a sherd w/ a palmette design. There are also a few small coarseware sherds. The character of this area had been becoming more Greek in the last batt., this trend has continued so that now all the mat. appears Greek.

Another sherd w/ a palmette design and ~~one~~ one w/ a vertical line decoration also were found along w/ a large red figure sherd showing some drapery and a pair of bare knees. Also the head of a nail. PZ. 78.591A, B, C, D PZ. 78.592M

N^o 8, -9 Level 3, Batt. 4 East Sounding PZ. 78.593 PL

Soil continues to be the same dark grayish brown clay. Relatively little material, many black glaze sherds. Also a red figure sherd w/ a woman on it and a sherd w/ a poorly done palmette design have appeared. A grayware sherd w/ a raised decoration has also been found, another probably ^{local} imitation of a Megarian bowl. Another sherd of the same type has appeared this round w/ a raised leaf on it for dec. PZ. 78.595P

N^o 8, -9 Level 3, Batt. 5 East Sounding PZ. 78.594B - large tooth 3 bone frag
bone remains

PZ. 78.590T - small rotive lid w/ knobs

July 18, 1978

N¹-8,-9 Level 3, Batt. 4 EAST SOUNDING PZ. 78.597 PL

Batt. completed from previous day's work. The material consists of a mass of black glaze and coarseware sherds. Notable finds ~~was~~ a fragment of terra cotta fluting poss. fr. the base of a column, a frag. of red fig. w/ part of a male chest on it, a black glaze sherd w/ an incised vertical line decoration, and a rim frag of Co. type.

STRATIGRAPHIC LEVELS SIGHTED FROM N¹-5 @ -7.15m.

N¹-8,-9 Level 3, BATT. 4 EAST SOUNDING

- NW corner - 9.34m.
- NE corner - 9.33m.
- Center - 9.32m.
- SE corner - 9.20m.

N¹-8,-9, Level 3, BATT. 5 EAST SOUNDING PZ. 78.603 PL

Soil remains the dark grayish brown clay as noted in previous batt., however there are some patches of a the dark gray clay, Mumell 7.5 NW/4, as encountered earlier in exc. this area. This gray clay is present in the matrix & is especially noticeable at points where the pick has cut the clay. There is little material in this level, although no doubt many sherds ~~was~~ were lost in the large chcks of clay wh. the workmen disposed of unbroken.

N¹-7,-8,-9 Level 3, BATT. 4

yesterday I stated the intention of dividing the material of this area betw. -6,-7 and -8,-9. I was involved in other things this morning and did not catch the progress of the workers from -7 into -8, therefore the planned separation will not take place. Five wheelbarrows of soil were taken from this level in -7 for use in the two water separation devices. A similar five wheelbarrow loads will be taken from ea. succeeding ~~level~~ level in this area. Also a more stringent effort will now be made to keep a sizeable sample of tile frags fr. the levels in this area. The ~~level~~ remains unchanged from the work in this batt yesterday.

(94)

PZ. 78.603 - med. chalk lump

N¹-8, -9 Level 3, BATT. 5 EAST SOUNDING.

Stones assoc. w/ the previously excav. wall or pavement in the NE corner of N¹-8 have now appeared at the bottom of this batt. Relatively little material, it consists of prebominately coarseware w/ some black glaze frags includ. a sm. dec. ~~sherd~~ ^{fragment}. Also several frags of imitation Megarian bowls were found. One of these frags has what appears to be a theater mask on it while another has a horse rearing on its hind quarters w/ a man behind it. In addition to these Megarian bowl fragments there are a few frags of grayware. This intrusion of late material is perplexing, and at present I have no explanation. It is interesting to note that in the previous exc. of N¹-7, -8 the finds of megarian type ~~as~~ ware was concentrated towards the NE corner of the area. We of course now are expanding in this area.

PZ 78.605P

~~M¹-17, -8, -9~~ M¹-17, -8, -9 Level 3, Batt. 4

PZ 78.600PL

The material of this area is relatively little, and is a mix of Greek and Roman material. There are numerous large thick coarseware sherds and a few frags of grayware which are no doubt Roman. There ~~also are~~ ~~also~~ several black glaze frags of Greek nature. In addition to the sherds there were two circular iron weights, a lump of iron slag, and several large iron frags among the material. Along the north wall of this area a level of breccia has appeared, it does not continue to any extent into the area under excav. It is prob. part of the fill of the old canal rather than an ancient level.

PZ 78.601T

PZ 78.607B

STRATIGRAPHIC LEVELS SIGHTED FR N¹-5 @ -7.75m.

M¹-6, -7, -8, -9 Level 3, Batt. 4

- West end of area - 9.04m
- M¹-6 SE corner - 9.06m
- M¹-7 Center - 9.08m
- M¹-7 SE corner - 9.06m
- EAST END (EXPANDED EASTWARD INTO M¹-9) - 9.02m

(95)

2. ATIGRAPHIC LEVELS SIGHTED FR. N'-5 @ -7.75m.

N'-8, -9 Level 3, Batt. 5 EAST SOUNDING

- NW corner - 9.58 m.
- NE corner - 9.55 m.
- Center - 9.53 m.
- SE corner - 9.48 m.

N'-8, -9 Level 3, Batt. 5 EAST Sounding

Prof. Carter has observed what is most likely the shadow of a wall in the east-west baulk along the N-axis. This shadow is in the form of fine yellowish brown sandy soil interrupting the stratigraphy. Its exposed dimensions on the south side of the baulk is 0.70m (w) x 0.50m. It is also observable on the north side of the baulk. This shadow wall no doubt is part of ~~the~~ a eastern parallel wall to the large wall in N'-3, -6. The shadow interrupts level 3, therefore it can be assumed to have been standing above ground when the level was laid, as noted by Prof. Carter. Then after the laying of level 3 the block was removed, a factor which no doubt explains the intrusion of Roman mat. in this area such as the Megaron-bowl frags. In conjunction of this the large block previously excav.

N'-8, was part of the wall, and it is evident that a pavement was partially built over this after it had collapsed. The line of blocks in N'-5, -6 escaped destruction because they were below ~~the level of~~ the ground (lev. 4) at the time of the laying of level 3. In traveling ~~at~~ around the large block prev. found in N'-8 Prof. Carter has come across a high conc. of the plant material as previously encountered in the area. He has wondered if this could be remnants of the decayed wood from the bld.

The site supervisor has raised the objection that since other wood branches survived in the conditions in this layer, we should look for another explanation of this material. The observations of this shadow wall were all made by ~~the~~ Prof. Carter. The site supervisor noticed the shadow in the baulk, but didn't attach any importance ~~to~~ it at the time.

N^o 8, -9 level 4, BATT. 2 EAST SOUNDING PZ. 78.612R

More of the shadow wall has appeared at the bottom of this batt. Giuseppe began by clearing up the shadow block found in this area in June, and further knowl-ling in the sounding revealing a continuation of the shadow wall, over 2.0m. in length. The shadow stuck and the ~~soil~~ soil to the bott. of this batt. composed of the very dark gray clay encountered in Batt. 1. Appearing at the bottom of the batt. and flanking the shadow wall is fine olive gray, Munnell 57 1/2 - 3/2 (Dark Olive Gray) moist, clay as ~~it~~ come ~~across~~ across in the earlier excavation in this area. Very little material, seven coarse ware sherds, and one black glaze sherd, however one very large lump of wood, c. 2 1/2 x 2.00, was also found. Once this area has been cleaned up, it will be left for photography and the architect. It may very well be the end of work in this area. PZ. 78.614S

N^o 6, -7 level 3, BATT. 5

The Dumper got stuck in the clay up to its axles. As per usual w/ the dumper it thoroughly chewed up the stratigraphy. It finally had to be extricated by a Towax tractor.

Ca

7/18

7/18

7/19

ILFORD

FP4

SAFETY

FILM



13 → 13A



14 → 14A



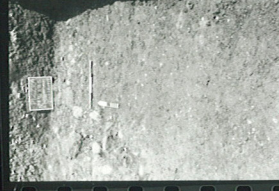
ILFORD 15 → 15A P4



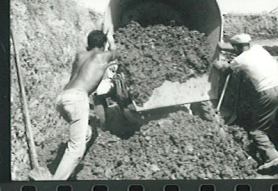
16 → 16A SAFETY



17 → 17A FILM



18 → 18A SAFETY



19 → 19A FILM



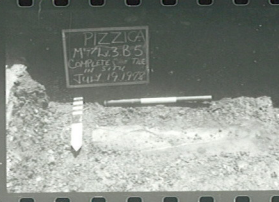
ILFORD 20 → 20A FP4



21 → 21A SAFETY



22 → 22A FILM



ILFORD

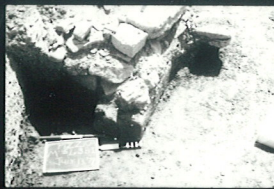
FP4

SAFETY

FILM

ILFORD

FP4



ILFORD

14 → 14A
FP4

15 → 15A
SAFETY

FILM 16 → 16A

ILFORD 17 → 17A
FP4

18 → 18A



8 → 8A
SAFETY

9 → 9A
FILM

ILFORD 10 → 10A
FP4

11 → 11A

12 → 12A



KODAK SAFETY FILM 5062 3 → 3A

KODAK SAFETY FILM 5062 4 → 4A

KODAK SAFETY FILM 5062 5 → 5A

KODAK SAFETY FILM 6 → 6A



→ 11A FP4 → 12

7/13/72

7/12

7/12

①

STRATIGRAPHIC LEVELS SIGHTED FROM M¹⁻⁴ @ -7.70

M¹⁻⁶⁻⁷ Level 3, BATT. 5

M¹⁻⁶ SE corner -9.185m.

M¹⁻⁷ Center -9.235m.

EAST TIP OF COMPLETE COVER -9.235m.

COVER TILE IN SITU, M¹⁻⁷

M^{1-6,7} Level 3, BATT. 5

The material continues to be a mixture of Greek and Roman sherds. In addition to a selection of nondescript coarseware sherds, there were many frags of grayware (prob. a quarter of the lot) and several black glaze frags.

0¹⁻⁵ Clearing of ~~1977~~ 1977 EARTH BANK UNDER WELL POINT PIPE Batt 1 PZ. 78.624PL

This operation ~~is~~ removed earth left in 1977 as support for pump pipe & recultured for same thing in 1978. Very little material, mix of CW & LG. 6B coins

0¹⁻⁵ Clearing of 1977 Earth B. under Well point Pipe D. 2 Ditto above in mat. PZ. 78.625PL

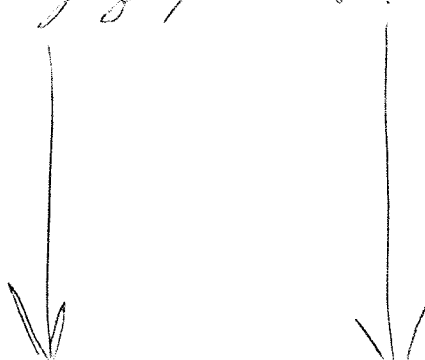
0¹⁻⁶ Clearing of 1977 Wheelbarrow Ramp Batt. 1

Title Explains it, area to south of pipe. Mix of mat. CW & BB. One lump of iron slag PZ. 78.626PL

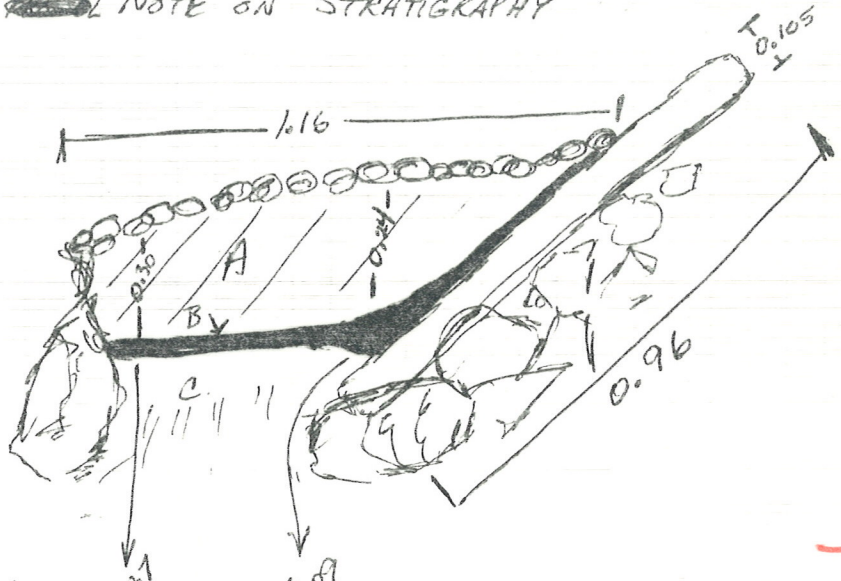
0¹ Clearing of 1977 Wheelbarrow Ramp Batt 2 little mat so far. Mix. such a couple 6B, numms. and a mandible. PZ. 78.627PL

M¹⁻⁷⁻⁸ Level 3, BATT. 5

Relatively little mat. so far. CW sherds w both grayw. and blackglaz present. don't have it



N^o 8 ~~NOTE~~ NOTE ON STRATIGRAPHY



Trowling ~~along~~ ^{below} the ^{upper} pavement and large conglom. block in the N.E.C. of N^o 8 has revealed the following pits on the stratig.

Upper layer, A, directly below pavement is a dark gray, Munsell 5Y 4/11 moist, clay of fine texture. Middle layer, B, is ~~the~~ the dark reddish brown, Munsell 5YR 2.5/2 moist, layer of plant material.

Lower layer, C, is a ~~to~~ dark grayish brown ~~clay~~, M. 2.5Y4/2 moist, clay of fine texture.

The presence of the layer of plant material running up ^{of fine texture} the slope of the conglomerated block indicates that this level was laid after the block had fallen over. It would be ~~assumed~~ ^{assumed} therefore that the material below the layer of plant material (Levels 5, BATT. 2 + 6, BATT. 1) should be associated with the period of activity when the block was standing upright.

The area below the layer of plant material consists

PZ. 78. 69855 - 20. July. 78 - Flotation sample containing large wood chunks

(101)

see fotos July 19

JULY 20, 1978

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N¹-6 Clearing of 1977 Wheelbarrow Ramp Batt. 2 PE 78.629PL

The work in this area has uncovered the southern wall of the large structure. All this time it has been lying under the wheelbarrow ramp and main pipe of the pump whose orientation it follows. The wall is composed of various large stones, however they are not of a uniform nature as the N-S wall. Several large till frags. have been found assoc. w/ the wall. Some large stones discovered last year in O¹-6 obviously fell inward fr. this wall. The blocks incl. the one w/ the granite mason's mark in the SW corner of O¹-7 are ^{probably} ~~probably~~ the linked w/ this wall. The corner of the wall based on observing its angle and the location of the shadow wall should be located in P¹-7. This ~~indicates~~ indicates a structure about 10 m. in width. This would be an extreme width for roofing the entire stone, yet poss. acc. to H.G. if the structure was built by the best masons of the day.

- NOTE ON THE "SPRING HOUSE" in N¹-5.

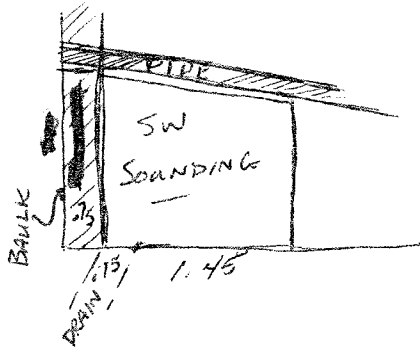
Earlier the supervisor theorized that this group of blocks may ~~be~~ have been contemporary w/ the large N-S wall. Recently I have changed this view due to the construction employed in it and the presence of reused blocks. It may very well be a later structure than the walled enclosure to the south and east of it. This is a sling also now held by Michael Hansen, the architect on the site. The fr. recent work of walls assoc. w/ the N-S wall in N¹-5-6 would lead the "spring house" outside this structure, and add a little more evid. as their direct association.

O¹-6 Clearing of 1977 Wheelbarrow Ramp Batt. 2

In the far SE corner of this area the wall appears to make a corner to the south, however this is far from certain. There is another block on line to the east, and further excav. to the south and east would do fully clarify this area. Prof. Carter has raised the poss. that this wall belongs to a latter stage since its construction is not entirely of squared conglom. blocks. Another possibility is that ~~the~~ the east and west sides were of finer constr. and less expensive of work and work. Material is all small round sherd. except for seven black glaze sherd.

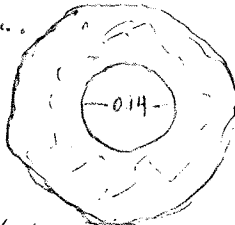
1-5 Level 5, BATT. 1 Southwest sounding.

This area was unexc. in 1977 due to the presence of the pump pipes and wheelbarrow ramp. ~~It~~ ^{It} lies directly south of the 6th c. water channel ^{discovered by Prof. Carter in the 1977 season}, and further traces of it may be found here. The soil is a gray, Mansell 57(3), moist, sticky clay w/ some streaks of red sand in the matrix, and at ~~darkens~~ ^{darkens} to the west to a dark gray, Mansell 57(4), moist, clay of similar texture and composition. ~~It~~ ^{It} will be ~~pos.~~ ^{pos.} to determine the presence or absence of the 6th c. channel only after troweling of the area.



1-8-9 Level 3, BATT. 5.

The soil remains unchanged from the previous days work in this area. Water continued to be a problem, and a 0.60m. strip of soil was left along the north wall of the sounding in a vain effort to keep the water out. A possible mill stone was found 2.45m. east of M¹⁻⁸ and 0.90m. north of the south baulk. It is a roughly circular stone 0.036m in diam.



The continuation of the shadow wall previously noticed in the baulk appeared on the floor of the batt. 4.50m. ^{east of} from M¹⁻⁸.

The shadow is a rectangle, 0.746 x 0.60m, oriented N-S. It is filled with yellow-brown sandy soil as previously noted in the bank. The soil in this shadow differs from the dark clay in the shadow lower down in N¹-8-5. Therefore these blocks were certainly removed at different times. ~~This has~~ However has no direct bearing on whether or not these different shadows were associated with one another. It is ~~found that the~~ latest shadow was simply a little material. Mostly large coarseware sherds, also a few gray ware and black glaze frags. ~~Work in progress~~ The presence of the water has forced the stoppage of ^{work} in this area.

0¹-5 Level 5, Batt. 1 Southwest Sounding. PZ 78.634PL
 This was a shallow batt. of 0.09-0.10m. in depth. ~~The above noted clay did not form the stain~~ The stain ident. last yr. as a 6th c. channel did not appear. There was a relatively high quantity of material for the area exc. It was definitely archaic in character w/ numerous frags of Ionic cups. PZ 78.623P - Shards of 6th cent. B.G. cup

0¹-5 Level 5, Batt. 2 Southwest Sounding. PZ 78.635B - 2 bone frags
 The pitain found last year in further north in ~~N¹-0¹-5~~ has also appeared in the

M¹-5 Sounding in interior of "Spring House" PZ 78.630PL
 This work is being carried out by R. D. T. in effort to determine the exact nature of the blocks which Prof. Carter has ident. as a Spring house. The soil of the interior is a fine ~~some~~ sandy dark grayish brown, M. 2.54 4/2 moist clay. There are many tiles frags throughout the matrix as well as several ~~frag~~ blocks wh. have been removed. There is virtually no material

M¹-5 Level 3, Batt. 5
 Work was stopped earlier in this area due to the presence of water throughout the level. Prof. Carter

has now decided that an attempt should be made to take this level down to virgin soil in spite of the water. ^{finds are a few covers & a complete}

0'-5 Level 5, BATH. 2 ^{PE 78.636 PL} ^{PE 78.631} ^{not one cup.}
Along the north 0.40-0.50m. of the area some of the black M, STR 2.5/1 moist, stain has appeared which was found last yr, and ident. as a 6th c. channel by Prof. Carter. The black stain is composed of fine clay. The rest of the area towards the south ^{is gray M. 5/1 moist} clay as encountered before. This soil is virgin. The material once again is relatively high and all of archaic clay. There are many Jomic cup frags, also a few ^{PE 78.637 B} ^{SEE BACK FOR SKETCH}

The stain was ^{trampled} for photos on July 21, but flooded. ^{if photos could be taken off it are out in better photos will be taken. It though, but it will be cleared in the well place.}

- STRATIGRAPHIC LEVELS SIGHTED FR. M'-9 @ -7.10m.
- M'-8, -9 Level 3, BATH. 5
 - M'-8 North tip of shadow wall - 9.28m.
 - M'-8 Center (near millstone) - 9.25m.
 - M'-9 West end of exc. - 9.24m.

- 0'-5 Level 5, BATH. 2
- Black stain, North center of pipe - 9.98m.
- Center - 10.10m.

M'-5 sounding in "Spring House" (see previous page)
Only finds are an amphora base & a frag of a sm. vessel poss. vobine. Along the east side of the structure the wall is clearly constructed out of tiles laid on top of one another, on top of a stone w/ a carved edge. On the south side there is a stone worn by much use. The tile corata. is also found on the south side. Prof. Carter's theory that this was a well at ~~least~~ ^{at one stage} has been strikingly confirmed. More work will be done tomorrow.

July 21, 1948

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LAST DAY w/FULL WORK FORCE. ALL WORKERS BUT GIUSEPPE, ALFREDO, AND LEONARDO ARE UP ON INACRONATA SEARCHING FOR A TEMPLE.

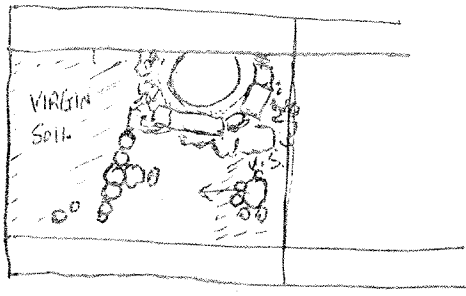
M¹⁻⁵ Sounding w/in "Spring House." PZ 78.652 PL

Work begun late yesterday has now been completed. The identification of the structure as a well is beyond doubt. There is a circular tile ~~casemate~~^{casemate} below the tile walls exposed yesterday. This ~~casemate~~^{casemate} was specifically made as a well lining and has a slight lip around its upper edge. There is a ^{sq.} rectangular opening in the southeast side of the casemate for water to flow out. ^{another} Material consisted of eleven ^{sq.} concrete slabs including two handles one large enough to belong to a ~~hydra~~ ^{hydra}. The bottom of the well is now appropriately filled w/ water, and it will no doubt reach its ancient level w/ the removal of the pump.

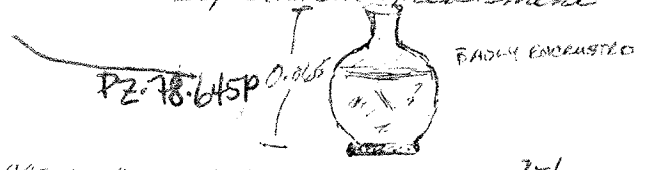
M¹⁻⁵ Level 3, Butt. 5 PZ 78.651 PL

~~There are large stones~~ A wall composed of large field stones has appeared at the bottom of the level. They extend south fr. the SW corner of the well. There is another conc. of stones 2.0 east of the wall. This conc. however does not seem to be a wall. The soil to the west of the wall and to the east of the conc. of stones is virgin earth. As first observed by Michael Guasino these stones make a lined channel from the source of water. The material ~~is~~ ^{is} definitely archaic w/ ~~numerous~~ a few Ionic cup frags. and two orn. base frags of votive cups. * Two stones to the east of the wall seem to be part of a crosswall.

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L¹-4 Level 3, BATT. 4 Sounding ^I ~~up~~ Room. PZ-78.642PL
 Work now continued which was begun on July 8 and 15.
 (For notes on previous work see Engler's notes on July 8 and Prof. Carter's notes on July 15.). Soil is a sandy grayish brown, Munsell 2.5Y 5/2 moist, clay w/ a few small pebbles and some streaks of red sand scattered throughout the matrix. ~~A~~ Several large tile frags. and some stones has appeared at the bottom of the batt. The pottery consists of various coarseware and glaze ware sherds. An intact painted unguentarium was the most notable find. Two sea shells were also found. ~~The~~ ^{fragments of the} soil of this level as w/ all succeeding levels in this area was put through both flotation and the new water separation treatment. Also a ^{PZ-78.644T} pink cup sherds ^{found in 100%.}



PZ-78.645P 0.066

EASILY ENCRUSTED

PZ-78.643P - pink cup sherds

STRATIGRAPHIC LEVELS SIGHTED RE K¹ ⁷¹ @ -7.16m.

- L¹⁻² Level 3, BATT. 4 Sounding ^I ~~up~~ Room
- NW corner - 7.87m.
- Center - 7.87m.
- SE corner - 7.77m.

- M¹⁻⁵ Well
- Worn Stone - 8.02m.
- Top of S. tile course - 8.50m.
- Top of cason - 8.85m.
- S. Weep hole in cason - 9.09m.

(124) |

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107
also 106

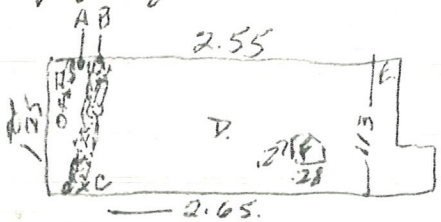
L¹⁻⁴ Level 3, Batt. 5 Sounding ^I ~~in room~~
Soil remains the same grayish brown clay. Two pointed
metal objects of ~~unknown~~ similar configuration and
unknown use have been found, 0.088 & 0.10 m long.



STRATIGRAPHIC LEVELS CONT.

- M¹⁻⁵, Level 3, Batt. 5
- A. Stone on top of wall near apparent crosswall - 9.07m.
- B. ~~Large~~ FIELD IN SW CORNER - 9.37m.
- C. EAST GROUP OF STONES - 9.29m.
- D. LARGE BLOCK SOUTHEAST EXTENT OF FALL, M¹⁻⁶ - 8.69m.

L¹⁻⁴ Level 3, Batt. 5 Sounding ^I ~~in room~~ PZ. 78.647 PL
 A line of tiles running north-south has been found
 near the west side of the sounding. There is one long course
 c. 0.28m wide w/a another less well preserved conc. of tiles
 0.18m to the west. The long course is composed of stacked
 tiles w/a few stones also incorporated into it. The workers
 have ident. it as a chun water channel wh. is very plausible. It
 runs towards the small room in N¹⁻⁴ Room 1, found
 1947. Further soundings should help to clarify its ~~nature~~
 relationship to other areas. There is relatively little material.
 Numerous concourse sherds w/ some glaze ware frags incl.
 a large frag of a fine small black glaze plate. PZ. 78.648 P



PZ. 78.649 SS - 21. VII. 78
SEED SAMPLE

PZ. 78.647 SS - 13. VII. 78
FLOTATION SAMPLE

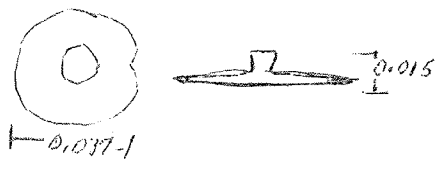
STRATIGRAPHIC LEVELS SIGHTED FOR K¹⁻¹ @ 7.16m.

- L¹⁻⁴ Level 3, Batt. 5 Sounding ~~in room~~
- A. Space betw. tile courses - 8.10 m
- B. N. end of eastern course - 7.93 m
- C. S. end of eastern course - 7.91 m
- D. Center of Sounding - 7.97 m
- E. NE corner of rd. - 7.97 m

108

M¹-3,-4 Level 3, Batt. 1 ^{18.654 PL 655B} ~~Sounding II~~ ^{Sounding II} PZ. 78.638 PL

Sounding now begun in section of Celeste's room which is ~~south~~ the old irrigation canal. There was a tile fall present throughout much of the top of the batt. The soil was a ^{sandy} grayish brown, M. 2.5/ 3/2 moist, clay as found above, in sounding in L¹-4. White concretions were very noticeably possibly because the soil was drier. There ~~were~~ were carbon lenses scattered throughout the soil assoc. w/ the tile fall. The material was predom. coarseware sherds w/ a few black glaze sherds present. Most notable find was a ~~small~~ coarseware lid. PZ. 78.640B - 1 small shell



PZ. 78.639P

M¹-3,-4 Level 3, Batt. 2 ~~Sounding II~~ ^{Sounding II} ~~Begin.~~ ^{Begin.} no pottery? Soil cont. to be grayish brown sandy clay. The content of red sand though was noticeably higher.

H8

78.660Pz 661B (shells) 662Pz

July 24, 1918

M¹⁻³⁻⁴ Level 3, Batt. 2 Sounding w/in Room Sounding II
 Batt. completed wh. was begun on last Friday.
 The soil remain as previously discussed. There are
 no tile frags in the matrix and virtually no
 material, only ~~some~~ ^{several} earware sherds. As noted
 last week soil is being taken from these areas for
 use in the water flotation and separation devices.
 The soil in this area will always be taken fr. the
 SW corner of the area, which corresponds to the part of
 this sounding in M¹⁻³, 1.00m x 0.60m. Small sherds, etc.
 found through water separation will simply be
 included in the pottery lot, and the seed samples found
 by water flotation will be kept separately.
 A few sea shells and 3 poss. lithics were all that was found by

STRATIGRAPHIC LEVELS SIGHTED FR. K¹⁻¹ @ -7.16m (h. 1.415) w.s.

M¹⁻³⁻⁴ Level 3, Batt. 2 Sounding w/in Room

No SIGHTINGS TAKEN

M¹⁻³⁻⁴ Level 3, Batt. 2 Sounding w/in Room

- NE corner - 8.265m.
- SE corner - 8.255m.
- Center - 8.245m.
- SW corner - 8.205m.

M¹⁻³⁻⁴ Level 3, Batt. 3 Sounding II 662Pz

Soil is a sandy brown, M. 7.5R 4/2 moist, clay
 w/a relatively high quantity of red sand scattered
 throughout the matrix. Some carbon lenses were present
 in the matrix. Only ~~material~~ finds were three large terra cotta
 frags either fr. roof tile or poss. a large storage vessel.

STRATIGRAPHIC LEVELS sighted fr. K¹⁻¹ @ -7.16m

M¹⁻³⁻⁴ Lv. 3, B. 3 Sounding w/in Room

- NE corner - 8.415m.
- SE corner - 8.415m.
- Center - 8.405m.
- SW corner - 8.385m.

110

M^{1-3,-4} level 3, Batt. 4 Sounding w/in Room. **667PL Sounding II**

Soil continues to be brown w/ an increasing sand content as you move toward the bottom of the batt. The amount of red sand in the matrix also increases towards the bottom of the batt. There ~~are~~ continue to be carbon lenses scattered throughout the matrix. There were no finds in this batt. except for one ^{crash} sherd assoc. w/a group of stones 1.30m. from the west side of the sounding and situated next to the north edge of the sounding. The exact nature of these stones is unclear. They are too few to be doing a pavement and don't actually appear to be a wall. ~~They~~ however the presence of the sherd would seem to indicate some cultural activity. Work has been abandoned in this area for the time being, and other soundings begun. If time allows this sounding may be carried on deeper. The prospect of uncovering further things in this sounding seems doubtful in spite of the small group of stones and one sherd.

STRATIGRAPHIC LEVELS SIGHTED FROM K¹¹ 1.1 @ -7.16m.

- M^{1-3,-4} level 3, Batt. 4 Sounding w/in Room Sounding II
- NE corner - 8.545m.
- SE corner - 8.565m.
- Center - 8.575m.
- SW corner - 8.535m.
- Group of stones - 8.505m.

M^{1-2,-3} level 3, Batt. 4 Sounding **IV** ~~663PL~~ **663PL**

Work was begun in this area on July 8 for a full discussion of this sounding's level see the notes of July 8. ~~Shallow batt. under which was pavement~~ This was a very shallow batt. There was a pavement at the batt. of the level in the north 1.15-1.30 m. of the sounding. There is a ~~shallow~~ circular depression, 0.30m diam. in the NE corner of the area. It is assumed that this pavement layer is to be associated w/the walls around the sounding. ~~The~~ The site architect has drawn the pavement and photographs have also been taken of it. When

Sounding II is completed, this pavement will be removed and the sounding completed. The material consisted of various ~~small~~ coarseware and black glaze sherds.

H'-5 Sounding w/in "Spring House" - Material gotten through Water Separation. 653RL

When this sounding was made virtually no patches were found. The running of sample of soil from this area through the water separation device, has proved to be the most successful use of this process. Numerous small sherds were recovered, ~~however~~ however these finds don't help in dating the well. Only two sherds were ~~not~~ not coarseware, ~~and~~ one was a black glaze sherd, ~~the other~~ the other was a grayware sherd.

H'-3, -4 ~~Sounding~~ Level 3, Batt. 1 Sounding III 668RL 669P 670P 671P

This sounding began to allow recording of Sounding II, Level 3, Batt. 4, ~~that~~ will be completed before Sounding II due to wheelbarrow considerations. The soil is the same sandy grayish brown, M. 2.5R 5/7 moist, clay as encountered in the other sounding. We see numerous streaks of red sand and some carbon lenses present in the matrix. This ~~sounding~~ sounding as the others is using 1977 level design. i.e. Level 3 = the level of the hill fall and below. Numerous tile fragments were present in this level. The NW corner of the area had an especially high content of material. (Soil was also taken for this area for water flotation and separation). Two pieces of lead and a small bronze coin were among the finds in this area. I believe that the coin is Greek, ~~however~~ however Brian Hlin has pointed out the extreme rarity of bronze coins in Mayo-Suquia. The coin is extremely corroded, so this question may never be solved. Gordon Paté is attempting to clean the coin to enable some ident. The pottery from today's work will be ~~combined~~ combined w/ the pottery



July 25, 1978

M¹-3-4 Level 3, Batt. 1 Sounding III. 668P 669P 670P 671P

Work completed from previous day. A small tile course which appears to be some sort of wall has appeared 1.10 m. from the ~~sub~~ west edge of the sounding. It is c. 0.25m. wide and its maximum length is c. 1.35m. This tile course is lightly constructed and could have supported little. It is not well preserved and only one course seems to survive. It may have served as the foundation of a partition wall. The material is a mix of coarse sand and black glaze sherds (Both of the 2nd & 5th were sampled). ^{Three unspalled bricks} ~~It~~ ^{types of black glaze w/ numerous sherd in gap.}

M¹-3-4 Level 3, Batt. 2 ~~668P~~ Sounding III. The small tile course found in the previous batt will be left. First the area in the sounding to the east and latter the area to the west will be excavated. One of first finds was an intact small black glaze bowl found 1.10 m. ~~west~~ east of the tile course and 0.25m. ~~west~~ from the sounding's south boundary.



STRATIGRAPHIC LEVELS SIGHTED FR K¹-1 @ -116

- M¹-2-3 Level 3, Batt. 4 Sounding IV
- NW corner ~~8.27m.~~ - 8.29m.
 - Bottom of depression in pavement ~~8.27m.~~ - 8.44m.
 - S. edge of pavement, center ~~8.36m.~~ - 8.39m.
 - SE corner - 8.37m.
- M¹-3-4 Level 3, Batt. 1 Sounding III
- NW corner - 8.25m.
 - N. edge of tile course - 8.27m.
 - S. edge of tile course - 8.30m.
 - Center - 8.36m.
 - NE corner - 8.34m.

~~668P~~

3-4 Level 3, Batt. 2 Sounding III

Soil is still a grayish brown clay however there has been a significant increase in the amount of red sand in the matrix. Some of the soil is so shot through w/ reddish sand that its color is a reddish brown. Carbon lenses are ^{also} still present. A large black glass mesh frag has been found w/ a palmette design. Numerous stones have appeared at the bottom of this batt; there are several large (c. 0.13-0.25m l.) flat stones along w/ smaller ~~ones~~ ^{ones} ~~more~~ ^{more} stones and a few field stones. In the ~~west~~ ^{NE} corner of the area are several tiles and a few large field stones. These latter stones and tiles at first glance appear to be part of a wall, but I feel sure that they are a fall. There is too much soil betw the various stones and tile, also one of the stones is resting on ~~what~~ ^{what} ~~seems to be~~ ^{is} a lichen frag. The other stones in the sounding may ~~well~~ ^{well} be part of a pavement. There are a few sherds and tile frags mixed in w/ the level. In the area west of the ~~last~~ ^{last} tile course left fr Batt. 1 more stones have appeared w/ appar. ^{along to} ~~the~~ ^{the} pavement encountered to the east. The

soil in the area is ~~also~~ a grayish brown as in the adjacent area except in the North 0.70m of this area. There the soil is brown-dark brown, M. 1.5 to 4/2 moist, sandy clay w/ red sand and many lenses of black soil in the matrix. I have previously ident. these black lenses as ~~carbon~~ ^{carbon}, but Leonard has identified them as the remnants of decayed material. There is relatively little material in this batt, at least 50% less than the previous batt. It consists of various small black clay and coarsened sherds in addition to the above listed special finds.

* The general ^{amount} ~~amount~~ of the stones and the soil ~~is~~ ^{is} betw the zone of stones leads me to believe that all the stones in this area are simply part of a fall.

STRATIGRAPHIC LEVELS SIGHTED FOR K¹ @ -7.16 m.

115

M¹-3-4. Level 3, Batt. 2 Soundings III (Area E. of file cr. in B. 1)

- NW corner - 8.46 m.
- SW corner - 8.63 m.
- Center - 8.60 m.
- NE corner - 8.49 m.
- SE corner - 8.55 m.

(115)

M-2, 3 Level 4, Batt. 4 Sounding IV July 26, 1978
682PL 683T 684B 686PL
These will now be used as level 1. This level is 2.4 m below the first p.

The pavement discovered in the last batt. is now being removed. The level of stones is shallow, therefore it is most likely pavement rather than an alluvial deposit. The soil is sandy gray-brown, M. 2.5t 5/2 moist, w/ ~~many~~ streaks of red sand in the matrix. The planned nature of the circular depression in the pavement also strongly indicates that it was man made. A clump of material, small black clay & earthenware sherds, ~~has~~ been found immediately south of the depression and below the pavement. Some of the sherds are charred and there are some carbon lenses in their vicinity. Alfredo Gallatelli thinks that this is the indication of a hearth. Alfredo has also pointed out that a core of red sand under the pavement is the remains of a decomposed sandstone rock decomposed by water w/ iron conc. present in it. Also there was a large amount of red sand in the NE corner of the sounding wh. both Alfredo and Leonardo identified as having leached down w/ rain from the top of the hill. A few ones which are apparently from the lower course of the circular pavement depression were the only features in this level. Material consisted of various earthenware and black glaze fragments with a few bone fragments of wh. Leonardo ident. as part of a bull horn, and one flaked in type boneweight.

STRATIGRAPHIC LEVELS SIGHTED (R. K11-1) @ -7.16m.

M-2, 3 Level 4, Batt. 4 Sounding IV

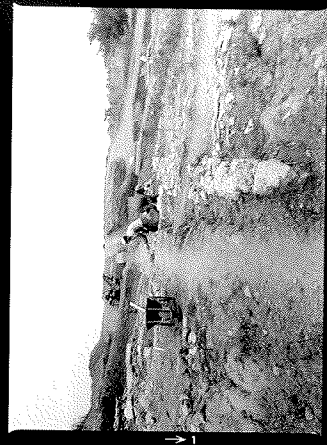
- NW corner - 8.48 m.
- NE corner - 8.50 m.
- Center - 8.52 m.
- SE corner - 8.49 m.

M-3, 4 Level 3, Batt. 2 Sounding III → This area west of hill would be left at Batt. 1.

Work on batt. now complete! Numerous large stones are present on the bot. of the batt. These are most likely part of a fall as w/ the other stones in the area to the east

July 21

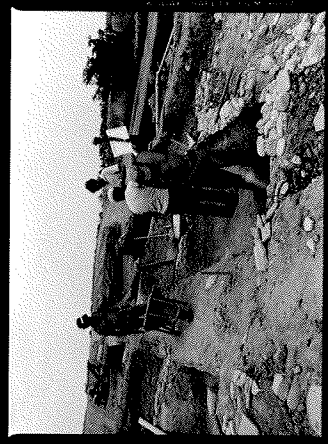
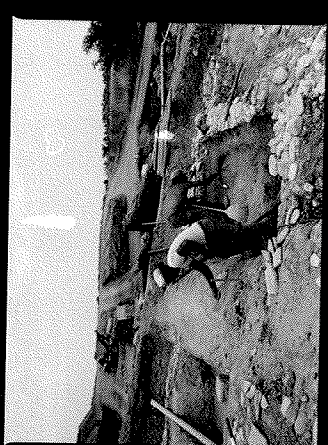
78



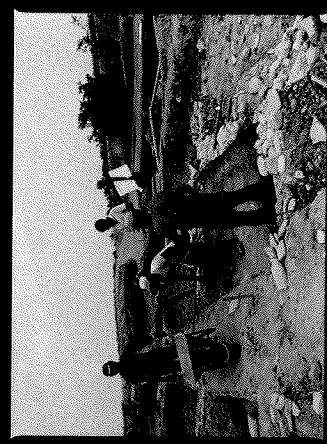
→ 1



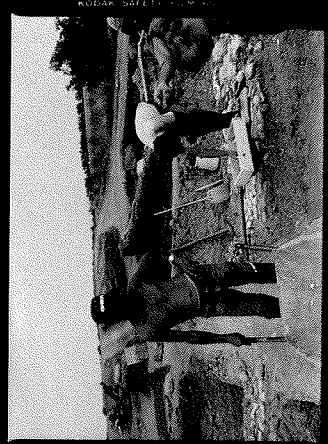
→ 2



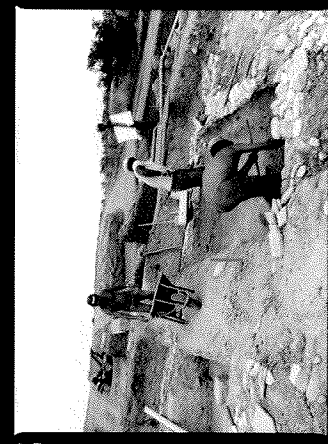
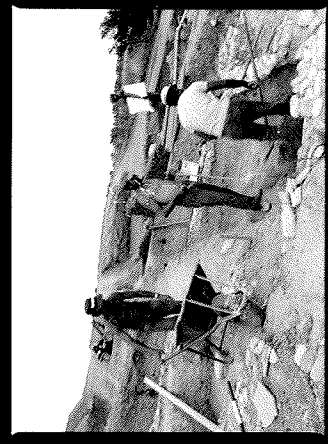
→ 10



→ 11



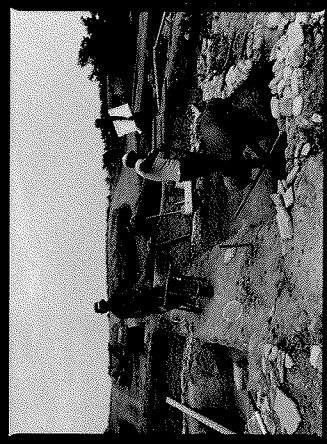
→ 12



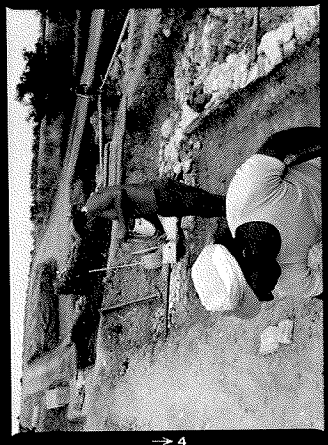
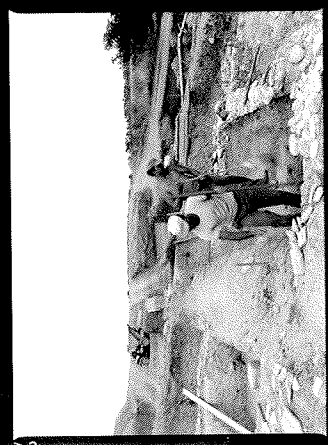
→ 7



→ 8



→ 9



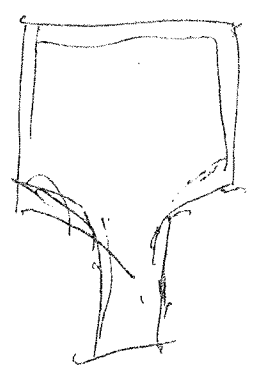
→ 4



→ 5



→ 6



500
470 BC

like Ionic Temple
@ Meta

Mason's mark archaic
stone like Temp

DRAWING AND DATING DONE
BY PROF. D. ADAMESTEANU DURING
A VISIT TO SITE. REFERS TO
TILE FOUND IN O1-7

OTHER NOTES TAKEN BY SUPERVISOR
IN REFERENCE TO PROF. ADAMESTEANU'S
OBSERVATIONS.

(17)

cleanup, therefore no new material was found. Work has been stopped for the time being in this sounding, and our attention has turned once again to Sounding IV.

* M1-2-3 Level 4, Batt. # P Sounding IV

There was a scatter of stones below the pavement and above the belt of the batt. This was definitely a scatter of stones - most likely natural rather than a pavement. Its highest concentration was towards the north of the sounding.

M1-2-3 Level 4, Batt. #2 Sounding IV 687P 3/6

The soil in this batt. remains the grayish brown sandy clay as encountered before, except in the NW corner where there is a c. 0.20 x 0.50 m patch of strong brown, M. 7.5K 5/6 moist, very sandy clay. This different colored soil is most doubt linked w/ the cone of red sand noted in this area earlier. A field stone pavement appeared at the bottom of the batt. which is clearly a continuation of the 6th c. pavement to the south. Many frags. of a lekane were found in situ. 0.10 m fr. west side of sounding and 0.20 m. fr. south side of sounding. The vessel should be restorable from the amount of fragments, and it appears to be of an archaic form to the ~~area~~ supervisor w/ its small rim and large loop handles.

 688P

The pavement is sloping to the north w/ corresponds to the ~~general~~ general positioning of pavement just to the south. The pavement disappears in the NW corner. The frag. lekane was sep. fr. the pavement proper by c. 0.05-0.08 of soil, some sherds and sh. tiles frags were found lying directly on the pavement. The material was predominantly coarseware w/ a few black glaze sherds. There was one 6th type rim frag fr. a sou. form cup and also what appears to be a body sherd from a similar cup. ~~The~~

RATIGRAPHIC LEVELS SIGHTED FR K'6-1 @ -4.16m.

119

M¹⁻²-3 Level 4, Batt. 2 Sounding IV

- NW corner - 8.55 m.
- NE corner - 8.46 m.
- Center - 8.63 m.
- SE corner - 8.63 m.
- SW corner - 8.79 m.
- ~~Fr. Frag. 10cm~~ ^{in situ} - 8.71 m.

M¹⁻²-2 Pavement elev. in 1977, pt. even w/ SW corner. - 8.86 m.

M¹⁻²-2 Level 3, Batt. 1+2 Sounding IV. (0.70 - 0.35 deep) ^{680P}

Included 0.35m strip along north of Sounding IV. Soil grayish brown sandy clay w/ many stones and ~~much~~ red sand in the matrix. Little material except of it found in southern strip of S.IV; coarser ware and a few black glaze sherds; also a fine flat piece of bronze or copper w/ a serrated edge. Virtually no finds in S.IV proper. Stratigraphic levels were not taken of these two batt. The ~~ext~~ extension of sounding IV difficult for the rest of that sounding and it mat. for east. was kept w/ S.IV. The density of stones and red sand in the matrix was especially high in the ^{strip} ~~area~~ of S.IV.

M¹⁻²-2 Level 3 Batt. 3 Sounding IV. ^{701P}

Grayish brown sandy clay w/ some red sand, but much less than in prev. two batt. Virtually no stones in matrix whereas before they were very numerous. Pavement w/ gl. tiles have appeared at batt. The 6th pavement has been reached at this batt., further work will be ~~req~~ required tomorrow. The pottery found today will be kept ~~at~~ the remaining pot. from the level are tom.

* M¹⁻²-2 Level 3, Batt. 1+2 Sounding IV.

Various cleaning operations were carried out ~~by~~ in this area in 1977 by Prof. Edmunds. Little soil was removed in those operations and I have ~~not~~ ~~at~~ designated this sounding as beginning at Level 3, Batt. 1. (Level 3 = the area below the ~~to~~ tiles fall on top of walls as dated in 1977 terminology). The level desc. is def. correct, the batt. desc. is ~~not~~.

arbitrary and may not correspond exactly to 120
of 1977 season.

see fotos 7/26 July 27, 1978

7th place 6th c rim frag
was found by Guy or pubert

M¹-2 Level 3, Batt. 3 Sounding V 701 PL
Pavement at 6th c. level ~~was~~ reached yesterday has now
been fully exposed. Several tile frags and potshards
and a large rim and wall frag por of a lekane were
lying on the pavement. Also a few of the stones exposed
appear as though they may be part of a fall. There is
no doubt however that this is a continuation of the
6th c. pavement. The pavement in this sounding slopes
down to the west which ^{basically} corresponds to the slope
of the pavement excavated in 1977 just to the south.
The pavement in this sounding and Sounding IV is slightly
finer texture than the pavement immediately south.

STRATIGRAPHIC LEVELS SIGHTED FR. K¹ 1st at -7.66m.

M¹-2 0.35m. extension of Sounding IV to the S; @ the level of
pavement.

SE corner -8.67m.

SW corner -8.81m.

M¹-2 Level 3, Batt 3 Sounding V

SW corner -8.86m

Center -8.82m.

NW corner -8.90m.

NE corner -8.78m.

M¹-2 6th c. Pavement excavated in 1977

In line w/ SW corner of Sounding IV -8.84m

In line w/ SW corner of Sounding V -8.88m.

M¹-3 level 3, Batt. 1 Sounding VI

NW corner -7.48m.

NE corner -7.48m.

Center -7.52m.

SW corner -7.54m.

L' Level 3, Batt. 1 Sounding VI 689P (at about 693P level) ~~694P (low)~~
 Tile fall of structure is throughout this level. Numerous large tile fragments were present. Soil was the same grayish brown, M. 2.51 5/2 moist, sandy clay as encountered in the other soundings. Little red sand was present in the matrix. Several large stones which ~~are~~ fell fr. the wall were also found in the tile fall. There was very little material; seven small coarseware sherds and four black glaze sherds incl. the base of a cup.

N^o 2 Troweling in the interior of the "Basin" 694P-695SS
 Yesterday Michael Suarez and today Robin Austin have troweled the interior of this "basin." Several people had already worked on it in 1977, but Prof. Carter felt that added clarification was needed. A few small sherds and bone frags. were recovered. Michael Suarez found a few small fragments of plaster w/ the spaces left by straw visible in the edges. Some stones were found at the bottom, but there was no clear cut floor. The previous work in this area makes all the finds in this area suspect. A plastic bag from the 1977 season was found several centimeters down in the basin covered w/ soil which emphasizes the disturbed nature of the basin.

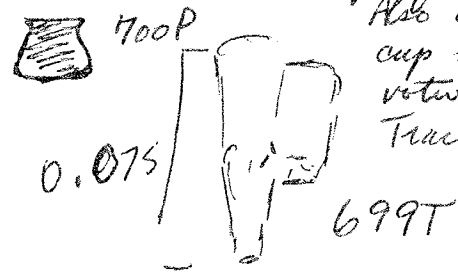
(1) Level 3, Batt. 2 Sounding VI 690P (at about 692P level) 691Tc (low) 693 (low, vessel)
 Soil remains unchanged. Some tile fragment still scattered through the matrix. In the SE corner, 0.25m fr. east and 0.25m from south ends of sounding, several frags of a coarseware vessel incl. a large base frag. were found. There was more material than in the prev. batt. prob. because we are nearing the floor. Various black glaze and coarseware frags were present. There was also an oblate loomweight and a small circular loomweight, 0.045m. * including a fragmentary shallow black glaze bowl (salt s.).

* L¹⁻³ Level 3 Batt. 1 Sounding VI
 A large roughly round stone w/ a notch cut in one side was among these stones, the notch seems cut to accom. a corner or beam. The stone may have been used to support a column, or poss even served

crude capital. Michael Marino says it's a thrown piece broken.

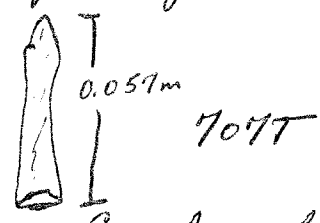


L¹-3 Level 3, Batt. 3 Sounding VI 696P-697B (Frag. bowl)
 Soil continues to be grayish brown sandy clay. A concentration of small stones ~~was~~ appeared at the bottom of the bath.
 This level of breccia may be the floor of the room, a fine textured pavement. Tiles fragment and potsherds were present directly above this layer of small stones.
 The density of stones is not consistent and it decreases in as you move towards the north. Some tile frags and sherds are mixed in w/ the breccia which may indicate that this is a ~~fall~~ not a pavement. The material was a mixture of coarseware and black glaze frags. There was a ~~to~~ base frag & another joining frag of a black glaze bowl. Also there was a miniature black glaze bowl, 0.018 m. h. ~~in~~ wh. must have been a votive or toy?
 * There are numerous tiles or end etc. in w/ stones wh. led to the assumption that this is a fall. Also the legs of a seated votive plaque, or poss. a doll.



Also could the ~~be~~ miniature cup be a toy rather than a votive
 Traces of paint on legs

3 Level 3 Batt 1 Sounding VIII 702 PL 703P 704P 705T (CIV) 706B
 Soil is usually grayish brown sandy clay. Some tile present in matrix. Some tile frags and iron stones visible at bott. of batt. Relatively little material. a mix of a few coarseware and black glaze sherds. Notable finds were a small ~~bronze~~ circular broom, 0.043 m. diam ident to the one found in S VI Lev. 3, Batt 2, and a small terracotta arm w/ some traces of paint. This arm is of same material as legs found in S. VI Lev. 3, B. 3. I feel certain that the arm and leg go together. ~~But~~ Could these belong to a doll rather than a votive? Could the two small bronze weights, the miniature cup, and figure frags all be toys and indications of a child's presence in this room. I don't know if these are toys or not, but it deserves some looking into. The sub may have gotten to me.



STR. LEVELS FR. K¹¹-1 @
 71.16
 NW Corner - 7.64
 SE Corner - 7.65

N¹-7 Level 7, Batt 1 Sounding VIII below pavement.
 Prof. Carter ordered this sounding to determine if there ~~was~~ were any features below the pavement in this area. The supervisor chose a 1.50 x 1.50 sq. directly in the center of this sq. for the sounding. The pavement was only one layer deep. There were no finds below the pavement, it was virgin soil, a fine olive gray, M. 5T 5/2 Morat clay w/ virtually no stones or pebbles in matrix. Sounding was terminated after one batt. 713 PL

N¹-7-8 Level 6, Batt 1 Cleaning Pavement Surface. 714B
 Finds left for phot. removed, incl. a smelting spout and what was ident. as the frag. of a antefix spout by Prof. Adams. 715T (ANTEFIX FR.) 717P (Smelting Sp)

1-7-8 level 6, Batt 1 Cleaning of Pavement Surface
 Mostly w. some fine w. interesting tiles
 0-7 Level 4, Batt 2
 Spout tile frag. removed 708J

Multiple levels taken — h.w. 1.50m @ -7.16
 K11,-1

LAST DAY

July 28, 1978

TALKED CARTER OUT OF EXC.
 CLEANUP WORK. DRAWING OF SECTIONS, PUMP REM.

STRATIGRAPHIC LEVELS SIGHTED FR P' 1,-1 @ -9.58 h.w. 1.505

205 N¹⁻⁷ Level 6, Batt. 1
 212 NW Corner
 210 SW Corner
 219 Center
 218 NE corner
 N¹⁻⁸ Level 6, Batt. 1
~~216 Center~~
 206 Center below pavement
 216 SW Corner
 0¹⁻⁷ Level 6, Batt. 1 ~~NE on pavement~~
 217 N¹⁻⁷ W corner
 225 Center
 223 SE corner
 0¹⁻⁸ Level 6, Batt. 1
 207 NE corner
 210 Center
 N¹⁻⁷⁻⁸ Level 4, Batt. 2 E.S.
 146 NE SW corner on pavement
 167 N. tip of shadow
 NW corner on pavement (172)

Sounding boundaries

125

L-4
East - F'; West - E; S. - Canal
8' x 1.2 w/ext. in Secomes
.25 x .65

F; W: E; S. 6'
8 x 1.0

; W: G; S: Bank N' axis
1.05 x 2.65

W: 6' S: A
1.55 x 2.15 x 1.55; S. EXT. 1.80 x 1.55
1.50

Sounding V L-3
Dimensions 1.00 x .80 x 1.00 x .80

Sounding VI L-3
Boundaries N: C'; E: E; S: D
Dimensions: 2.00 x 1.0 x 2.0 x 1.0

Sounding VII L-3
Boundaries N: C' N: C' S: CANAL
Dimensions. 2.0 x 1.20 x 2.0 x 1.20

Sounding VIII N-7
Center of S. @ center of sq.
Dimensions 1.50 x 1.50m.

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PZ 78
FIELD Notes Summary

Book # IV

PIZZICA

June - July, 1978

NOTEBOOK # IV

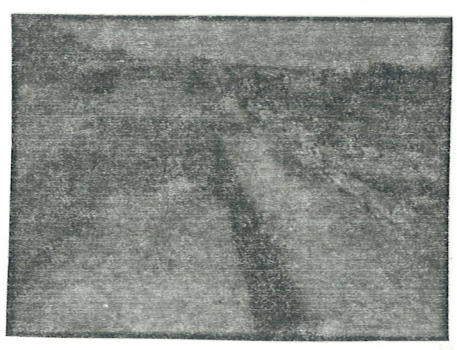
SUMMARY OF FIELD NOTES

FOR AN IMPORTANT EXPLANATORY NOTE

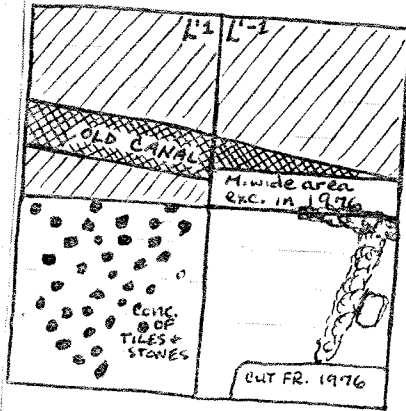
SEE PAGES 56-58.

- 58 PHOTOS AND 8 DRAWINGS -

SEE NOTEBOOK # V, pp. 69-79 FOR INDEX.



JACK M. ENGLERT, JR.



▣ - L¹, L⁻¹ LEVEL 1, batt. 1.

↑
N

June 12, 1978

L'1, L'-1, Level 1, batt. 1 PZ-78-4PL

Excavation begun in an attempt to locate the west extension of the farmhouse; also the extent of tile and stone concentration in H'1. The soil of the level consists of a layer of dark black top soil varying in depth from 0.12m - 0.03m, which has collected since the cut was made by the bulldozer in 1977. A layer of gray soil below this constitutes the first level of undisturbed soil. The first battuta consisted of a mixture of these two soils. The majority of finds can be attributed to the gray soil, although discarded sherds, tiles, and so forth no doubt were present in the top soil level. Finds are few in number: a fragment of black glaze ware, two gray ware bases, some small fragments of Arretine-type ware which would put the level into the 1st c. B.C. at the earliest, and also various nondescript handles and sherds. Level of the battuta is 0.14m - 0.15m down from the present top surface. The east side of L'-1 is slightly shallower than the

rest of the level, 0.12m. - 0.13m. in depth. The first signs of the old irrigation canal with its fill of yellow soil with a high gravel content appeared in the southern half of L'1.

L'1, L'1-1, Level 1, batt. 2 PZ-78-6PL

Soil is now entirely composed of the gray layer mentioned above. The soil texture is sandy, and its Munsell color reading is 10YR 4/1 dark gray, moist. The soil of old canal or irrigation ditch is sandy with many stones and pebbles and streaks of gray clay, its Munsell reading is 10YR 7/8 yellow, moist. Finds are few in number: some more sherds of Arretine-type ware along with various nondescript coarseware sherds. The Roman nature of the first level corresponds to my memory of the material found in the upper levels of M'1 in the 1977 season. Prof. Carter has raised the question as to whether this is a continuation of the Roman dump in the

North-South trench. Work was slowed due to continued problems with the well-point system.

June 13, 1978

L'1, L'1, LEVEL 1, batt. 2 PZ-78-8Pl

Work continues on battuta at a slow pace.

Batt. 2 measures at 0.30m - 0.31m. below the original surface with some variation as would be expected. Concentration of finds was higher in L'1 than in L'1. The greater quantity of sherds in L'1 may be associated with the activity in the area indicated by the tile and rock deposit in M'1. The next level should bring to light a continuation of the deposit in M'1. Battuta finally finished; sherds few in number: some Arretine-type ware fragments, a blackglaze fragment, gray ware fragment, a lump of metal or iron slag, and various nondescript sherds. No features visible other than the trace of the old irrigation canal.

PZ-78-9B

June 14, 1978

L'1, L'-1, Level 1, batt. 3 PZ-78-10PL

Work finally begins on the next battuta. The area of the irrigation canal will be left unexcavated from this point. Finished battuta has a depth varying from 0.44m. - 0.49m. from the surface. Soil remains identical to the gray soil of the previous battuta. Quantity of material small: a couple grayware fragments, a few small fragments of Arretine-type ware, various assorted fragments of coarseware, the molars of a cow, and a tile fragment with a joining notch. No level report drawn for this level; no visible features except for the irrigation canal and some tiles and stones at the surface of the next battuta.

Note on levels in L'1, L'-1

The finds on either side of the irrigation canal will be kept separate from one another beginning with the next battuta.

L'1, L'-1 Level 1, batt. 4 South of Irrigation Canal
PZ-78-12PL

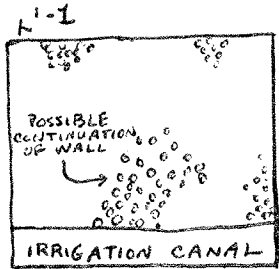
Soil appears to be the same gray sandy soil with wh


we have been dealing; consistency is more sticky, ^{14/}
but this is probably due to presence of more moisture
rather than a significant increase in the clay
content. The number of tiles and stones present
increased greatly, however they were not of such
a concentration to indicate a tile fall. Sherds
were very few in number, and may indicate a
departure from the Roman period. There were
four fragments of black glaze ware including the ^{PZ-78-13P}
fragments of two cup bases. There is one small
sherd which may be Arretine-type ware or an
imitation. The cut was shallower than usual due
to the concentration of tiles and stones at the
bottom of the battuta; depth was 0.20m - 0.22m.
from the surface of the now unexcavated irrigation
canal.

L^{'1}, L^{'-1} Level 1, batt. 4 North of the Irrigation
Canal PZ-78-14PL

Soil remains unchanged. Increased concentration
of tiles and stones as in the area south of the canal.

Quantity of sherds continues to be small, and they
^{PZ-78-16T}
do not seem to be Roman. Some red glaze ware



 - TILE AND STONE
CONCENTRATION

present though not sure if it is an Arretine-type ware. A large black glaze ^{PZ-78-15P} sherd with a red-figure decoration pattern has been found. Several bone fragments including ^{PZ-78-17B} a large fragment of a cow bone also present. Prof. Carter believes that the material of this area is simply a continuation of the Roman dump found in the nearby North-South trench during the 1976 season. If so, we will shortly be down to a level equal to the level of virgin soil in the south end of the North-South trench. No features visible in L¹; several large concentrations of tiles and stones visible in L¹. Some of the stones may be related to the wall in L¹ South of the Irrigation Canal. Numerous large tile fragments of that type with upturned edges and reddish-orange clay are present. Tiles appear to be Roman. Exact nature of these tiles and stones is still not certain.

L¹-1 Level 1, batt. 5 South of the Irrigation Canal ^{PZ-78-18PL}
 Troweling was done around the wall in this square just south of the canal, a wall which

(wall τ)
was partially excavated in 1976. Numerous bone
fragments were found associated with the wall.
These fragments have been covered with aluminum
foil and bagged separately. Pz-78-19B

June 15, 1978

22.

Note on Level Terminology

Prof. Carter in the course of troweling around wall τ in L'^{-1} has made the following observations and established these criteria for levels. The same gray soil found in the upper layers is present down to the top of wall τ in L'^{-1} . A layer of dry gritty soil is associated with the wall, and a layer of gravel lies to the south of the wall. This layer of gravel is a fine pavement linked to the wall. This layer around the wall is virtually sterile. What material there is lies just above and below this layer; it is Greek in character.

Some small charcoal lenses are also present.

Level 1 = Everything down to wall τ and pavement.

Level 2 = Tile fall and below in L'^{-1} , L'^1 , M'^1

Level 3 = Area below wall τ and pavement.

L'^1 , L'^{-1} Level 1, batt. 5 NORTH OF IRRIGATION

CANAL PZ-78-20PL

Shallow battuta carried out, cleaning around and up to the tile concentration in L'^{-1} . A few

PZ-78-21T

small sherds, a circular loomweight, and some

bone fragments were found.
PZ-78-22B

L'1, Level 1, batt. 6. North of Irrigation Canal

PZ-78-23 PL SEE LEVEL PLAN # III

Another battuta begun and it will extend eastward toward the tile and stone concentration in L'1. Nothing has changed in terms of soil. Number of tiles seems to be increasing; possibly the fall in L'1 slopes downward into L'1.

Prof. Carter has identified numerous sherds in the material as imitation terra sigillata which is in keeping with the present view that we have an intrusion of the Roman dump.

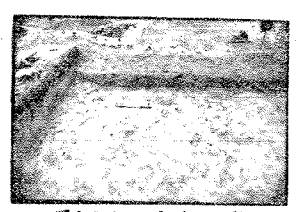
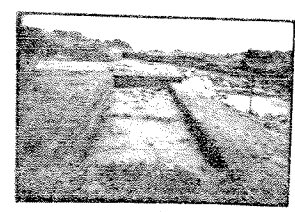
L'1. Level 2 South of Irrigation Canal PZ-78-24A

We are going through a concentration of tile which is probably a continuation of the tile deposit in M'1. Material seems to be Greek. The pavement associated with wall τ does not appear in this area. Level brought down to the area of the tile concentration in M'1.

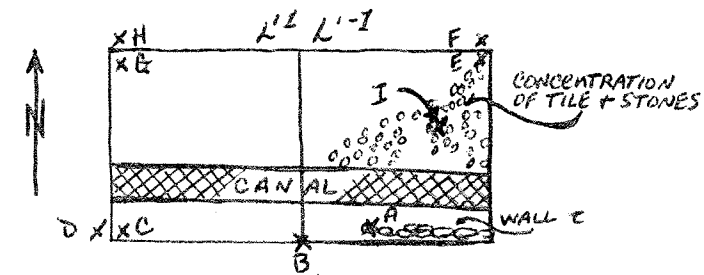
Tiles and stones visible at the bottom of the

Excavation of ...
 - 81-27
 ...
 4982-81-25

L¹-I Level 1, BATT. 4-6



EAST END FR. NORTH
 WORK IN PROGRESS
 MOVING FROM L¹
 INTO L¹-I



- A = -8.24 m. (lev. 2)
- B = -8.26 m. (lev. 2)
- C = -8.33 m. (lev. 1, b. 4)
- D = -7.88 m. (surface)
- E = -8.04 m. (lev. 1, b. 4)
- F = -7.40 m. (surface)
- G = -8.22 m. (lev. 1, batt. 5)
- H = -7.52 m. (surface)
- I = -8.01 m (lev. 1, b. 4)

battuta. The tile concentration does not extend into the western corner of the area. A gray stone possibly used as a grinding vessel and some bone fragments were found in addition to various nondescript sherds.

K'-1, Level 2 South of Irrigation Canal (Cleaning of wall τ).

A large pyramidal loomweight has been found in the course of cleaning of wall τ . A sample of the gravel pavement has been taken for later comparison with other soil, sample not for scientific analysis in Austin.

The tile and stone fall found last year in M'-1, H'-1 apparently continues over wall τ and into the section of L'-1 north of the canal.

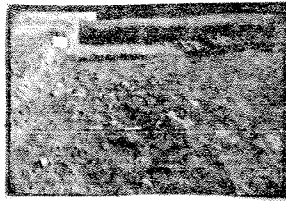


STRATIGRAPHIC LEVELS

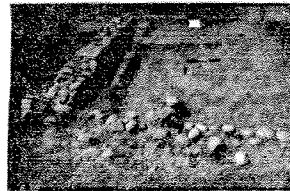
SIGHTINGS WERE TAKEN FROM K'-1, K'-1 WHOSE LEVEL OF -7.16 m. WAS TAKEN FROM M'-1, H'-1 (-7.78 m.).

See diagram on opposite page

27



M¹I Level 2, BATT. 1
TILE AND STONE CONCENTRATION



M¹-1 Level 4, BATT. 1

M¹I

T

e

c

M¹-

"Nothing any later than the end of the sixth century. What's it doing here... Could be early fifth." Soil is gray clay with concretions and streaks of red sand.

M'-1 Level 4, Batt. 1 AREA SOUTH OF WALL I. PZ-78-32PL

There is less material here than in the area north of wall I. Most sherds are nondescript coarseware.

There is one fragment with banded decoration

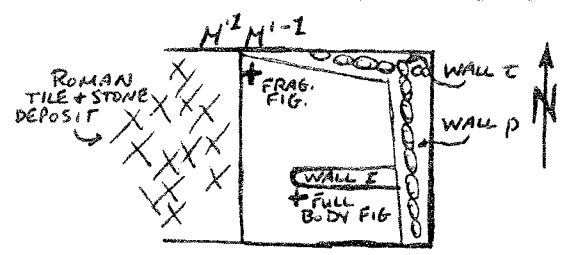
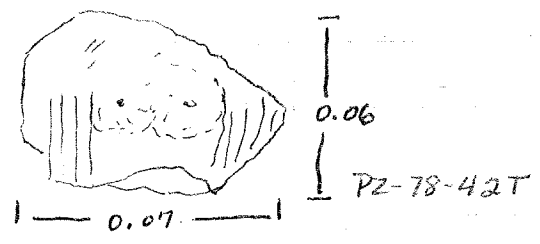
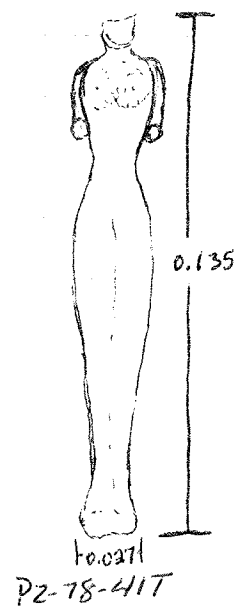
PZ-78-33P which appears to be of sixth century date. A fragment

PZ-78-34P of Anathia-type ribbed ware (c. 4th cent.) and a

Kean type amphora handle have also appeared along with some black glaze fragments. The material south of wall I lacks the consistent sixth century nature of material north of wall I.

M'-1, M'-1 Level 4, batt. 1. PZ-78-40PL

This battuta began in the area south of wall I, but once past the end of the wall the workmen extended their work area along the full length of the square. The workmen then proceeded to carry the battuta into M'-1. I should have held a tighter rein on them, but they got away from me. Once they left M'-1, the workmen



entered the level 2 of that square. The levels of M^1 and M^1-1 are stratigraphical equal, even though their level terminology differs. Work in M^1 involves the clearing of the Roman tile and stone deposit, therefore we have a mixture of Greek and Roman material. Some coarseware fragments appear to be Roman. There are some black glaze fragments, and some sherds which appear to be sixth century in date in keeping with level 4. A lump of iron slag also was found which is interesting since a smelting spout was found c. 1.5m. east in the same level.

South of wall I in M^1-1 (near the end of the wall) a statuette has been found; ^{P2-78-41T} the head is missing, otherwise the body is complete. Very near the M^1 , M^1-1 stake and in M^1-1 another statuette was found. ^{P2-78-42T} This belongs to a larger plaque than the previous find, and only the area of the breasts and stomach survive with striations on either side belonging to long hair or a garment over the arms.
D2-78-44B

June 16, 1978 38.

A NOTE ON LEVELS

Level 2 as the area of the tile fall has been maintained in M'^1 , and level 4 as the area associated with wall I maintained in M'^{-1} . The combined square battuta at the end of the previous day contained material from both levels as noted.

The excavator has now separated the material to the best of his ability. Some mistake in separation may have occurred, but it would involve no more than a few sherds of nondescript coarseware.

Levels 2 in M'^1 and 4 in M'^{-1} are at the same stratigraphic level, a fact which produces a confusing situation. This should be resolved in the final reevaluation of the site. The differentiation of levels is as follows:

Level 2 = Area of Roman tile and stone deposit which overlays the earlier Greek walls and extends through $M'^1, M'^{-1}, L'^1, L'^{-1}$.

Level 4 = level associated with wall I in M'^{-1} .

The level 2 in M'^{-1} is the area of the gravel pavement identified by Prof. Carter as associated

with wall τ . level 3 is the level directly below the pavement and above wall I. Levels 2+3 were excavated in the 1977 season when they were called Level 2, Batt. 1+2. The gravel pavement was not recognized by the excavator. The material included several black glaze fragments and a lekane rim.

M'1, Level 2, Batt. 1 P2-78-49PL

Work continues on clearing out the Roman tile and stone deposit. Many fragments of amphorae and other large storage vessels. Photographs taken. P2-78-50B, 51P, 52P, 53T, + 54T

M'1, Level 2, Batt. 2. P2-78-55PL

Another battuta begun to clear out the Roman tile and stone concentration. Large number of tiles and stones remain. Materials are once again fragments of amphorae and other coarseware vessels with some circular ^{P2-78-56B, 57P} ^{P2-78-58T} ^{weights}. A high density of tiles and stones no longer appears at the bottom of the battuta, therefore it seems that we are finally out of this deposit of Roman

material. A bit of mixture has appeared with a few sherds of sixth-fourth century types found along with the Roman coarseware.

M¹-1 Level 3, Batt. 1 PZ-178-59PL

Soil has a higher content of gray clay along with streaks of red sand as has been encountered in

M¹-1 Material is apparently sixth century Greek based on two distinctive rim fragments found at this point; marked change from the heavy Roman coarseware of level 2 which corresponded to the area of the Roman tile and stone deposit. Level 3 designation based on change of material and increase in amount of clay. This level 3 is stratigraphically level with M¹-1 level 4, battuta 3, and it should not be confused with level 3 of M¹-1 as designated this year.

A level which was taken out in the 1977 season without being recognized. The confusing nomenclature of the levels of these adjacent squares will have to be resolved at a later date. A fragmentary male votive

head of Tarentine type has been found in the center area of the square (For field drawing see notebook #I, p. 15; PZ-78-64T).

A few fragments of Roman coarseware have appeared, notably a fragmentary amphora base. These sherds are heavily outnumbered by the 6th c. Greek material, and no doubt leached down from the Roman tile and stone deposit of level 2. A layer of the Roman tile and stone deposit is still present at this level along the west edge of the square with a width as great as 2.0 m. This explains the presence of Roman material noted earlier. Technically this area belongs to level 2 since it is still the tile and stone deposit, however this distinction has not been made in the find box. Therefore an odd mixture of material is present in the box of material labeled M'4, level 3, Batt. I. The 6th c. material is from the eastern 3.0 m. or so of the square and is related to the 6th c. level of M'4. The Roman coarseware

and bone fragments (PZ-78-60B) belong to a deep penetration of the Roman tile and stone deposit in the western 2.0 m. of the square. Yet another area for later workers with this material ~~to~~ of which to be aware.

- NOTE: Some Greek material has also appeared in the area of the Roman deposit, probably from the lower area of the battuta below the Roman material. Notable is a large rim fragment of a thin walled banded lekane or similar bowl, and another thicker walled lekane rim fragment. Check the lekane rims with the Agora publication to see if any date of value can be attached to them on the basis of the Athenian material. Lump of iron slag was also found in this area (PZ-78-61H). The apparent pavement noted along the north edge of M'-1 continues into M' 1/2

M'-1, Level 4, Batt. 2 PZ.78-65PL

Work begun on this ~~area~~ battuta with separate boxes for areas north and south of the wall in the south half of the square. Soil north of the wall

is gray with a high sand content. The soil south of the wall has a very high clay content, gray in color with some streaks of red sand. Material both north and south of the wall is to all appearances purely of the 6th c. even though stratigraphically it seems too high. Prof. Carter believes that for this concentration of material to have maintained its purity it could not have moved very far. Possibly washed from the west to its present location.

M'-I, Level 4, Batt. 2 NORTH OF WALL PZ.78-76PL

A small fragment of what appears to be an enthroned figure has been found along with a large lekane rim fragment. ^{PZ.78-78P} In addition to a large number of 6th c. sherds several statuette fragments including a large and a small head have been found (PZ.78-72T, 73T, 75T). Giuseppe diTaranto says that there is a pavement at the bottom of the battuta, if it is the 6th c. pavement our problem of the presence of the 6th c. material is solved. Other finds in this area included some sea shells (PZ.78-77B) and various coarseware fragments (PZ.78-74P).

M'-I Level 4, Bath. 2 South of Wall PZ.78-70PL
 South of the wall several tiles, some bronze fragments, a votive hydria (PZ.78-69P), and other sherds (PZ.78-66P, 84T) have been found and are being troweled by Prof. Carter. This may indicate the presence of a floor associate with the wall. The bronze fragments consist of a thin sheet with one curving edge, possibly originally part of a circular piece (PZ.78-68M). This large concentration of pottery sherds included a broken but whole votive vessel. Large number of shells and some bone found in association with the votive vessel (PZ.78-67B [SHELLS], 71B [BONE]). Also among the finds was a strip of iron and the head of a nail. In this area streaks of red sand run throughout the matrix of gray clay, in some places the sand concentrations ~~are~~ are as much as 0.10m. in width. In the concentration of sherd, mentioned above, there was a concentration of carbon lenses; one of the fragmentary vessels showed signs

of being burned.

NOTE: All of the statuette fragments found in M' -1, Level 4, Bath. 1-3 have been found in the northwestern corner of the square.

M' -1, Level 4, Bath. 3 NORTH OF WALL PZ-78-85PL

The quantity of pottery has decreased, it includes a lekane rim fragment, various sherds. The 6th c. character of the material remains. A fragmentary enthroned figure was found in the northwest corner of the area (PZ-78-79T).

Numerous stones have appeared at the bottom of this level notably along the north border of the square. Giuseppe has identified these stones as part of the 6th c. pavement, further troweling is necessary. PZ-78-87B

CARBON SAMPLE - PZ-78-80SS

Large concentration of carbon, c. 0.40 m. x 0.12 m. in dimensions, about 0.90 m. north of wall and 0.85 m. southeast of M' -1 stake. Actual level: -8.67 m. Matrix: gray clay with streaks of red sand and numerous rootlets. ASSOCIATED

material: 6th c. pottery sherds and votive figurines.
See notebook #I, p. 14 for a sketch of position
of carbon sample and votive figurines.

STRATIGRAPHIC LEVELS: M¹-I Level 4, Batt. 1, M¹-I
Level 4, Batt. 3, M¹-I Level 2, Batt. 1, AND
M¹-I Level 3, Batt. 1. see pp. 12 AND 16 (NOTEBOOK #I)
for levels and diagrams.

As has been the custom, the site supervisor for the 1978 season began the annual recopying of the field notes, however lack of time and energy coupled with the magnitude of the project led to it not being completed. The field notes for June 12 - June 16 have been fully recopied, the notes of the remaining days of the season will be summarized in this notebook and cross referenced with the field notebooks and other relevant materials. Some areas of the field notes will be recopied in full when it is necessary for clarification, however this summary is not intended for use by itself. It should be used in conjunction with the field notebooks (notebooks # I, II, + III). This summary does not include the field notes which Prof. Carter took during the half day of work on Saturdays which he supervised or the notes which he took on his observations concerning the site's chronology and stratification. I believe that my original field notes will prove to be quite readable, nevertheless the reader should be aware of the following abbreviations which I have used:

batt. : battuta	mat. : material
c. : <u>century</u> ; <u>circa, about</u>	Rm./Rom. : Roman
exc. : excavated	Sq. : square
Frag(s) : Fragment(s)	th. : that
Gk. : Greek	w/ : with
lev. : level	wh. : whic
m. : meter	

In the early stages of notebook # I lines are drawn through the recopied sections, and this notebook should be used.

The pressures of time did not allow the recopying of the sketches in the field notes. Ample space however has been left should the staff of the Institute want to add xeroxes of the sketches, further photos or notations, My work is done.

NOTE DUE TO THE CAMERA SITUATION AT THE SITE MANY MORE COLOR SLIDES WERE TAKEN THAN BLACK AND WHITE SHOTS, THEREFORE ALWAYS BE SURE TO CHECK WITH THE COLOR SLIDES WHEN STUDYING AN AREA. J.M.E.

JUNE 19, 1978 (NOTEBOOK #I, pp. 17-20) 60.

AREAS UNDER EXCAVATION:

- I. M¹I Level 3, BATT. 2
- II. M¹I Level 3, BATT. 3
- III. M¹I Level 3, BATT. 4
- IV. M¹-I Level 4, BATT. 4 North
and South of WALL
- V. M¹-I Level 4, BATT. 5 North
and South of WALL
- VI. M¹-I Level 4, BATT. 6 North
of WALL.

I. M¹I Level 3, BATT. 2 (NOTEBOOK #I, p. 17) PZ. 78-90PL

Soil: Gray clay with streaks of red sand as before; possible slight increase in the amount of sand.

MATERIAL: ARCHAIC IN DATE; SMALL QUANTITY; NOTABLE

FINDS: 6th c. type cup rims, statuette fragment, iron slag, bone fragments, and a piece of wood. PZ. 78-91P, 94T, 93M, 92B, 95SS.

NOTE: Prof. Carter believed that cup rims belonged to an earlier period than previous finds in this area, possibly mid-6th century.

FEATURES: MORE PAVEMENT UNCOVERED

II. M¹I Level 3, BATT. 3 (NOTEBOOK #I, pp. 18, 20) PZ. 78-96PL

Soil: UNCHANGED, GRAY CLAY WITH STREAKS OF RED SAND.

MATERIAL: Predominately archaic with some sherds of

later date which probably leached down from Roman dump: ribbed Gnathia-type ware and gray ware sherd.

Pz. 78-98P, 99B, 100S (QUARTZ CRYSTAL)

FEATURES: DIGGING AROUND ALREADY UNCOVERED PAVEMENT IN SEARCH OF FURTHER PAVEMENT OR VIRGIN SOIL

III M¹-I, LEVEL 3, BATT. 4 (NOTEBOOK #1, p. 20) Pz. 78-103 PL

SOIL: GRAY CLAY WITH SAND.

MATERIAL: ARCHAIC IN DATE; VERY SMALL QUANTITY.

FEATURES: NONE, POSSIBLY SIGNS OF VIRGIN SOIL.

IVB M¹-I Level 4, BATT. 4 (NOTEBOOK #1, p. 18) Pz. 78-~~104~~⁸⁸ PL

SOIL: GRAY CLAY WITH STREAKS OF RED SAND, MUNSELL

10 YR 5/1 moist, gray.

MATERIAL: SMALL QUANTITY; LEKANE RIM, GLAZED WARE,

SHERDS WITH BANDED DECORATION, Pz. 78-89P.

FEATURES: ~~NONE~~ PAVEMENT APPEARED AT THE BOTTOM OF THIS LEVEL.

IVB M¹-I Level 4, BATT. 4 N. OF WALL (NOTEBOOK #1, p. 18) Pz. 78-104P.

SOIL: SAME AS IN BATT. SOUTH OF WALL.

FINDS: VERY SCANTY, SOME BLACK GLAZED WARE.

FEATURES: ~~NONE~~ SOME PAVEMENT EXPOSED.

VII, M¹-I Level 4, BATT. 5, N. OF WALL (NOTEBOOK #1, p. 19) Pz. 78-105 PL

SOIL: STILL GRAY CLAY WITH STREAKS OF RED SAND, ~~CONTACT~~

M'-I Level 4, BATT. 6 NORTH OF WALL



A
F.
VI
S
M
F.
VI
S
M
F.

CONCENTRATION OF RED SAND HIGHER IN NE CORNER OF AREA, POSSIBLE INDICATION OF VIRGIN SOIL.

MATERIAL: VERY FEW SHERDS FOUND.

FEATURES: WORK DONE AROUND PAVEMENT FOUND IN PREVIOUS BATT., SEE SKETCH, p. 19. NO NEW FEATURES.

V.B. M¹-1, LEVEL 4, BATT. 5 S. OF WALL (NOTEBK. #I, pp. 18-19) PZ. 78-106PL

SOIL: STILL GRAY CLAY WITH STREAKS OF RED SAND. THERE WAS A CONCENTRATION OF BLACKISH SOIL ALONG THE WALL, BEGINNING C. 1.0m. FROM THE WEST END OF WALL AND EXTENDING SOUTH, MUN. 7.5YR N3/ VERY DARK GRAY, MOIST. POSSIBLE INDICATION OF FIRE, NO CARBON LENSES VISIBLE IN SOIL. SEE NOTEBOOK #I, p. 19 FOR SKETCH.

MATERIAL: VERY SMALL AMOUNT OF SHERDS

FEATURES: MORE PAVEMENT FOUND.

VI. M¹-1 LEVEL 4, BATT. 6 N. OF WALL (NOTEBK #I, p. 20) PZ. 78-107PL

SOIL: VIRGIN SOIL APPEARS TO HAVE BEEN REACHED.

MATERIAL: SMALL QUANTITY, ALL SHERDS OF 6TH c. DATE.

FEATURES: NONE. SEE LEVEL PLAN #IV

JUNE 20, 1978 (NOTEBOOK #I, pp. 21-23) 66.

AREAS UNDER EXCAVATION:

- I. M¹L Clearing of Wheelbarrow RAMP.
- II. M¹L Level 3, BATT. 5
- III. M¹L Level 3, BATT. 6.
- IV. L¹L Level 2A, BATT. 1 NORTH OF IRRIGATION CANAL
- V. L¹-1 Level 2, BATT. 1 NORTH OF IRRIGATION CANAL
- VI. O¹L Level A, BATT. 1.

I. M¹L Clearing of Wheelbarrow RAMP (NOTEBOOK #I, p. 21) ^{PZ-78-}120PL

MATERIAL: A MIX OF THE THREE LEVELS AND VARIOUS BATT. OF THIS SQUARE, NOT SEPARATED, PZ-78-121P

II. M¹L Level 3, BATT. 5 (NOTEBOOK #I, p. 21) PZ-78-122PL

SOIL: GRAY CLAY WITH INCREASING CONCENTRATION OF SAND.

MATERIAL: FEW IN NUMBER, MOST NOTABLE A PYRAMIDAL LCOMWT.

PZ-78-123T.

FEATURES: SHORT CONTINUATION OF PAVEMENT UNCOVERED IN SE CORNER OF SQUARE.

III. M¹L Level 3, BATT. 6 (NOTEBOOK #I, p. 22) PZ-78-124PL

SOIL: VIRGIN SOIL ALONG NORTH 1.35m. OF SQUARE; AREA OF BLACKISH SOIL SOUTH OF VIRGIN SOIL, MIN. 10YR 3/1, VERY DARK GRAY MOIST. LAYER OF PURER GRAY CLAY BELOW DARK SOIL.

MATERIAL: SMALL QUANTITY, SOME GLAZEDWARE AND OTHER NONDESCRIPT SHERDS. PZ-78-125 P.

FEATURES: POSSIBLE PAVEMENT BELOW DARK SOIL OF EARLIER DATE THAN PREVIOUS PAVEMENT. SEE NOTEBOOK #I, p. 22 FOR ~~THE~~ DISCUSSION AND PROF. CARTER'S THOUGHTS. FURTHER WORK REQUIRED BUT NOT DONE IN 1978 SEASON. SEE LEVEL PLAN #II

NOTE ON LEVEL TERMINOLOGY IN L' I AND L' -I
IN L' -I level designated 2 due to presence of Roman tile and stone deposit as in other areas. L' I was brought down to Level 1, BATT. 6 with only a small amount of the tile and stone deposit present along its eastern side, this square then was temporarily designated Level 2A. L' I Level 2A begins one batt. lower than L' -I Level 2. THE DIRECTORS IN CONJUNCTION WITH THE SITE SUPERVISOR WERE SUPPOSED TO STRAIGHTEN OUT THE LEVEL TERMINOLOGY OF THIS AREA, HOWEVER IT WAS NOT DONE BEFORE THE END OF THE SEASON (SEE NOTEBOOK #I, pp. 21A-21B).

IV. L' I Level 2A, BATT. 1 North of Irrigation CANAL (NOTEBOOK #I, pp. 21A, 21B)
PZ-78-116 PL

Soil: Sandy in texture with gray clay base, lighter in color than soils with higher clay content, Hum. 10YR 6/1 gray, moist. MANY STONES AND TILE FRAGMENTS IN MATRIX.

MATERIAL: ROMAN, large coarseware fragments, Arretine-type fragment, loomweight, bones. PZ-78-117P, 118T, 119B.

FEATURES: EXTENSION OF ROMAN TILE AND STONE DEPOSIT ALONG EASTERN SIDE OF SQUARE, SEE NOTEBK #1, p. 21A. NO NEW FEATURES.

V. L¹-I Level 2, BATT. 1 No. OF IRRIGATION CANAL (NOTEBK #1, pp. 21B, 23) PZ-78-112 PL

Soil: Clearing of Roman tile and stone deposit.

MATERIAL: LARGE COARSEWARE FRAGMENTS, ARRETINE-TYPE FRAGMENTS, PYRAMIDAL LOOMWEIGHT, BONES, PZ-78-113T, 114T, 115B, 192T.

FEATURES: SMALL CONCENTRATION OF STONES EXPOSED IN NE CORNER OF SQUARE.

VI. 0' ± Level A, BATT. 1 (NOTEBK. #1, p. 23) PZ-78-126 PL

NOTE ON LEVEL DESIGNATION: AREA WAS FIRST EXCAVATED IN 1976. THE LEVELS ~~WERE~~^{IN} 1978 WERE DESIGNATED A, B, C.

0'2 Level A, BATT. 1

THE EARLY STAGES OF THE BATT.



AND SO FORTH UNTIL A CORRESPONDENCE BETWEEN THE 1976
AND 1978 Levels could be made with the help of the
director. The determination of proper level design
was not made during the season. Level A corres-
to a concentration of tiles.

Soil: Sticky gray clay; Alfredo stated that it was
deposit of clay from the digging of the canal.

MATERIAL: FEW IN NUMBER, COARSEWARE AND BLACK GLAZED
SHERDS, BONES, PZ-78-127P.

FEATURES: NONE YET VISIBLE, WORK SLOW DUE TO C

JUNE 21, 1978 (NOTEBOOK # I, p. 24)

NO WORK AT PIZZICA; ENTIRE CREW AT INCORANATI.

JUNE 22, 1978 (NOTEBOOK # I, pp. 24-26)

AREAS UNDER EXCAVATION:

- I. L'1 Level 2A, BATT. 2 NORTH OF IRRIGATION CANAL
- II. L'-1 Level 2, BATT. 2 NORTH OF IRRIGATION CANAL
- III. O'1 Level A, BATT. 1
- IV. O'1 Level A, BATT. 2

7
I. L¹² LEVEL 2A, BATT. 2 N. OF IRRIG. CANAL (NOTEBOOK #I, pp. 25-26)
PZ-78-132 PL

SOIL: CONTINUES TO BE STICKY GRAY CLAY; LARGE AREA OF BLACK STAIN IN NW CORNER OF SQUARE, EXTENDS INTO THE BAULK. VISIBLE DIMENSIONS OF STAIN: C. 0.90m X 0.90m. Small lenses of carbon present throughout square. See NOTEBOOK #I, p. 25 FOR SKETCH.

MATERIAL: ROMAN: LARGE COARSEWARE FRAGMENTS, GRAY WARE AND ARETINE-TYPE SHERDS, BONES. PZ-78-133B.

FEATURES: LARGE CONCENTRATION OF STONES IN SE CORNER OF AREA. ~~SEE SKETCH IN NOTEBOOK #I, p. 26.~~ SEE SKETCH IN NOTEBOOK #I, p. 26.

II. L¹⁻¹ LEVEL 2, BATT. 2 N. OF IRRIG. CANAL (NOTEBOOK #I, pp. 25-26) PZ-78-134 PL

SOIL: CONTINUES TO BE SANDY SOIL WITH GRAY CLAY BASE AS FOUND IN L¹⁻¹. SOME SMALL CARBON LENSES present in the soil.

MATERIAL: LARGE FRAGMENT OF GRAYWARE PLATE (SEE NOTEBOOK #I, p. 26), CIRCULAR LOOMWEIGHT, PIECE OF METAL. PZ-78-135P, ~~136~~ 136T, 137B.

FEATURES: CONCENTRATION OF STONES IN SW CORNER OF AREA, SEE NOTEBOOK #I, p. 26 FOR SKETCH.

O'1 Level A, Batt. 1
COMPARISON OF ROOF TILES



LEFT FR. O'1 RIGHT FR. M'1



IV
B

III. 0' ± Level A, BATT. 1 (NOTEBOOK #1, pp. 24-25) PZ-128

SOIL: GRAY ~~CLAY~~ CLAY WITH UNUSUALLY ~~LARGE~~ LARGE STREAKS OF RED SAND, SOME AS WIDE AS 0.10 M.

MATERIAL: ~~COARSEWARE~~ COARSEWARE FRAGMENTS. 129 B, 130 M.

FEATURES: TILE CONCENTRATION LIES IN WESTERN HALF OF SQUARE, APPROXIMATELY 2.0 M X 2.0 M. Tiles of this deposit appear to be different than the tiles from deposit to the north. SEE NOTEBOOK #1, p. 24 for full discussion AND NOTE MARGINAL CAUTION ABOUT SUPERVISOR'S LACK OF KNOWLEDGE ABOUT TILES.

West end of square left higher than rest of area by the 1976 season, also the 1977 pump stand was located in this area. Installation of pump in 1977 disturbed this area.

IV. 0' ± Level A, BATT. 2 (NOTEBOOK #1, p. 26) PZ-78-131 PL

BATT. BEGUN VERY LATE IN DAY; ONLY THREE NONDESCRIBED COARSEWARE SHEERDS FOUND. SEE JUNE 23, 1978.

L'± Level 2A, BATT 3
NORTH OF IRRIGATION CANAL



- AREAS
- I. L'±
 - II. L'±
 - III. L'±
 - IV. N'±
 - V. O'±
 - VI. O'±

I. L'±

SOIL :

MATERIAL

UNUS

META

140 P.

FEATURE

ALONG

TO A

II. L'±

Soil: K

JUNE 23, 1978 (NOTEBOOK #I, pp. 27-29) 78.

AREAS UNDER EXCAVATION:

- I. L'± Level 2A, BATT. 3 NORTH OF IRRIGATION CANAL
- II. L'± Level 2, BATT. 2 NORTH OF IRRIGATION CANAL
- III. L'± Level 2, BATT. 3 NORTH OF IRRIGATION CANAL
- IV. N'± Level A, BATT. 2 Clearing of strip West of pump.
- V. O'± Level A, BATT. 2
- VI. O'± Level A, BATT. 3

I. L'± Level 2A BATT. 3 N. OF IRRIG. CANAL (NOTEBOOK #I, pp. 28-29)
PZ-78-138 PL. SEE LEVEL PLAN #V

SOIL: REMAINS UNCHANGED FROM PREVIOUS BATT.

MATERIAL: COARSEWARE, GRAY WARE. FRAGMENTARY PLATE WITH UNUSUAL PATTERN OF SPOTS NOTICED BY PROF. EDLUND, POSSIBLE METAL HANDLE IN THREE FRAGMENTS, BONES, PZ-78-139T, 140P, 141B, 142P, 143M.

FEATURES: MORE STONES EXPOSED AT BOTTOM OF BATT. WHICH ALONG WITH STONE FROM PREVIOUS BATT. APPEAR TO BELONG TO A FILL OF DUMP DEPOSIT RATHER THAN WALL.

II. L'± Level 2, BATT. 2 N. OF IRRIGATION CANAL (NOTEBOOK #I, p. 27)
PZ-78-144 PL

SOIL: REMAINS UNCHANGED. GRAY SANDY VARIETY.

MATERIAL: FEW SHERDS: COARSEWARE, LARGE AMPHORA FRAGMENT,
 LHMWEIGHT, BONES, PZ-78-145P, 146B.

FEATURES: ROCK CONCENTRATION IN NE CORNER REMOVED,
 NOT A FEATURE.

III. L' - I Level 2, BATT. 3 N. OF IRRIG. CANAL (NOTEBK. #1, pp. 27-28),
PZ-78-147PL

SOIL: CONTINUES TO HAVE SANDY TEXTURE WITH GRAY CLAY
 BASE. VERY DAMP

MATERIAL: SMALL QUANTITY OF SHERDS, APPARENT CHANGE
 IN CHARACTER OF FINDS: SHERDS WITH YELLOW SLIP AND
 RED BAND DECORATION, POSSIBLE STATUETTE FRAGMENT ALONG
 WITH SOME GRAY WARE SHERDS. LEVEL MAY BE ZONE OF
 MIXTURE BETWEEN GREEK AND ROMAN LEVELS. PZ-78-148P,
 149B, 150T.

FEATURES: SOME TILE FRAGMENTS VISIBLE AT BOTTOM OF BATT.
 STONE CONCENTRATION LEFT FROM PREVIOUS DAY'S WORK.

IV. N' I Level A BATT. 2 (Clearing of strip West of Pump)
(NOTEBK #1, p. 29)

AREA STRATIGRAPHICALLY EQUAL TO EXCAVATION IN O' I,
 THEREFORE IT HAS RECEIVED SAME DESIGNATION.

SOIL: SAME AS IN O' I.

MATERIAL: BLACK GLAZE AND COARSEWARE.

FEATURES. NONE. ; EXCAVATION A 1.0m wide AREA.

V. 0'± Level A BATT. 2 (NOTEBOOK #1, pp. 27-28)

Soil: Continues to be gray clay.

MATERIAL: COARSEWARE SHERDS, LOOMWEIGHT, ONE BLACK GLAZE SHERD, MIX OF MATERIAL DUE TO HIGHER AREA TO WEST SEE p. 76.

FEATURES: A FEW STONES VISIBLE AT BOTTOM OF BATT. WHICH MAY INDICATE A WALL OR PAVEMENT.

VI. 0'± Level A, BATT. 3 (NOTEBOOK #1, p. 29) PZ-78-154 PL

Soil: Unchanged from previous batt.

MATERIAL: LARGE DECORATED FRAGMENT OF 6th cent. cup, loomweight, bone, PZ-78-155B, 156T.

FEATURES: BATT. BEGUN LATE IN DAY LITTLE WORK DONE.

NOTE ON LAYING OF STAKES.

SEE NOTEBOOK #1, pp. 28-29 FOR DISCUSSION OF THE LAYING OF STAKES AND THE PROBLEMS INVOLVED. THIS IS ESPECIALLY IMPORTANT TO FUTURE EXCAVATORS WHO MAY TRY TO LAY OUT THE GRID AGAIN. MOST STAKES WERE REMOVED BY THE WORKMEN DURING THE COURSE OF THE SEASON.

L'-1 Level 2, BATT. 4 NORTH OF IRRIG. CANAL



EXCAVATION OF BASIN

AREAS

I. L'

II. L'

III. O'

IV. O'

I. L'-1

33-

Soil: R

conten

through

MATERIAL:

LOOMWE

FEATURES:

CONCENTR

ALLUVIAL

CORNER OF

HAD A BR

HAVE SECV

INTERIOR OF

COMPOSED

JUNE 26, 1978 (NOTEBOOK #I, pp. 30-34) 84.

AREAS UNDER EXCAVATION:

- I. L'-I Level 2, BATT. 4 NORTH OF IRRIGATION CANAL
- II. L'-I Level 2, BATT. 5 NORTH OF IRRIGATION CANAL
- III. O'-I Level A, BATT. 3
- IV. O'-I Level A, BATT. 4

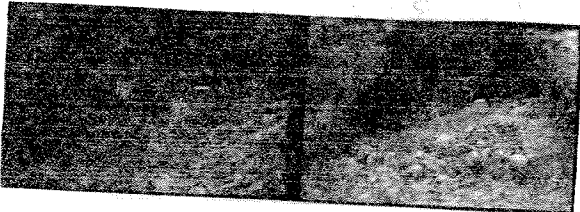
I. L'-I Level 2, BATT. 4 N. OF IRRIG. CANAL (NOTEBK. #I, pp. 30-31, 33-34) PZ-78-157 PL

Soil: Remains moist gray clay with relatively high content; small lenses of carbon were scattered throughout the level.

MATERIAL: COARSEWARE AND GRAYWARE SHEERDS; CIRCULAR LOOMWEIGHT, BONE FRAGMENTS PZ-78-158P, 159T, 160B.

FEATURES: LAYER OF SMALL STONES EAST OF SOONE AND TILE CONCENTRATION MAY HAVE BEEN PAVEMENT OR MORE LIKELY AN ALLUVIAL LAYER. A BASIN OF SOME SORT WAS EXPOSED IN SE CORNER OF AREA. BASIN WAS APPROXIMATELY CIRCULAR AND HAD A BROKEN AMPHORA NECK ON ITS SOUTH SIDE WHICH MAY HAVE SERVED AS A SPOUT. ^{161B} CON VERTEBRA FOUND IN BASIN. THE INTERIOR OF THE BASIN SLOPES INWARD; ITS FLOOR AND SIDES COMPOSED OF STONES AND TILES, SEE NOTEBK # I, pp. 33-34.

L'-1 Level 2 BATT. 5
NORTH OF IRRIGATION CANAL



II. L'-1

Soil: UNCO

WITHIN

MATERIAL:

FRAGM

SMALL

WARE

OF GR

PR-78

FEATURES:

BRECCIA

SEE SU

III. 0'-1

Soil: CON

PEBBLES

MATERIAL:

~~_____~~

FEATURES:

FIELDSTON

II. L'-1 Level 2, BATT. 5 N. of 18016 CANAL (NOTEBOOK #1, pp. 31-32, 34)
PZ-78-168PL SEE LEVEL PLAN #VI

Soil: UNCHANGED, gray clay with sand and carbon lenses within the matrix.

MATERIAL: COARSEWARE AND GRAY WARE SHERDS WITH BONE FRAGMENTS AND SEVERAL PIECES OF METAL INCLUDING A SMALL RECTANGULAR PIECE, NOTEBOOK #1, p. 32. THE "BLACK WARE" MENTIONED IN NOTEBOOK #I WAS SIMPLY A VARIETY OF GRAY WARE WITH A DARKER THAN USUAL COLOR, ^{notebook #I} see p. 35
PZ-78-169P, 170M, 171M, 172B.

FEATURES: PAVEMENT EXPOSED IN THE EASTERN SIDE OF SQUARE; BRECCIA IN SE CORNER DUE TO INTRUSION FROM CANAL. SEE JULY 27, 1978 NOTEBOOK #IV, p. 35 for further details.

III. O'-1 Level A, BATT. 3 (NOTEBOOK #1, pp. 30, 32) PZ-78-163PL

Soil: CONTINUES TO BE GRAY CLAY, NUMEROUS STONES AND PEBBLES IN THE MATRIX.

MATERIAL: LARGE BASE AND SIDE FRAGMENTS OF A SKYPHOS,
, BONE FRAGMENTS, PZ-78-164P, 165P, 166T, 167B.

FEATURES: SIXTH CENTURY PAVEMENT AND CONTINUATION OF N-S. FIELDSTONE WALL IN N'-1 UNCOVERED

IV. O'1 Level A, Batt. 4 (NOTEBK #1, pp. 33-34) PZ-78-173 PL

SOIL: UNCHANGED, VERY SHALLOW BATT. WHICH IN SOME AREAS JUST AMOUNTED TO CLEANING OF PAVEMENT ALREADY UNCOVERED.

MATERIAL: FEW FINDS, BUT ALL OF 6TH cent. date: RIM FRAGMENT OF IONIC CUP, BONE FRAGMENTS PZ-78-174B.

FEATURES: NORTH-SOUTH WALL FR N'1 FURTHER UNCOVERED, PAVEMENT IS ONLY IN NW CORNER OF SQUARE, HAS A STRAIGHT BORDER, AND RUNS AT A RIGHT ANGLE WITH THE WALL. FIRST ACTUAL UNDAMAGED LIMIT OF THE ARCHAIC PAVEMENT YET FOUND.

NOTE SEE NOTEBOOK #I, p. 33 FOR A LIST OF ACTUAL STRATIGRAPHIC LEVELS IN L'1, L'-1, M'1, M'-1, O'1, M'-6, L'-6, N'-7, N'-8, O'-7, O'-8, P'-6, P'-7, P'-8, P'-9.

JUNE 27, 1978 (NOTEBOOK #1, pp. 35-39) 90

AREAS UNDER EXCAVATION:

- I. L¹-1 Level 2, BATT. 5 NORTH OF IRRIGATION CANAL
- II. N¹-7 Level 3, BATT. 2
- III. N¹-8 Level 3, BATT. 2
- IV. O¹-1 Level A, BATT. 5
- V. O¹-7 Level 3, BATT. 1
- VI. O¹-7 Level 3, BATT. 2
- VII. O¹-8 Level 3, BATT. 1

I. L¹-1 Level 2, BATT. 5 N. OF IRRIG. CANAL (NOTEBOOK #1, pp. 35-36)
PZ-78-176PL See Level Plan # VI

Soil: Same as on previous day's work.

1 RIAL: GRAY WARE, ONE RED FIGURE SHERD WITH FLORAL DECORATION, TWO LARGE BONES: A SCAPULA AND LEG BONE BOTH PROBABLY BOVINE; SEE NOTEBOOK # I p. 35-36. PZ-78-177M

FEATURES: AN ALMOST COMPLETE PAN TILE IN NW CORNER OF square may have served as a channel or may simply be lying in a suggestive position. More pavement discovered to the north of the basin, this pavement slopes downward to the north (i.e. against the modern slope of the hill. Strip of fine gravel and



WORK IN N¹⁻⁷ AND O¹⁻⁷ DURING
ONE OF FIRST BAIT. VIEW FROM THE
WEST. N¹⁻⁷ ON THE RIGHT, O¹⁻⁷ ON
THE LEFT WITH THE SMALLER GROUP
OF WORKMEN. 18-18-89

stones also
identified

II. N¹⁻⁷ Lev

NOTE ON LEV

eastern li

removed |

roughly -

designate

The area

termed

Soil: Gray
streaks

MATERIAL: 1

some gra

black g

FEATURES:

half of s

III. N¹⁻⁸ Lev

Soil: SAME

MATERIAL: F.

impressed

stones along NE side of tile and stone concentration identified as alluvial layer in all likelihood.

II. N[']-7 Level 3, Batt. 2 (NOTEBK #1, pp. 36-38) PZ-78-185 PL

NOTE ON LEVELS: In both N[']-7 AND N[']-8 (except for the eastern 1.40m of N[']-8) 0.10-0.12 m. of soil were removed by bulldozing operations. This is equivalent roughly to the first battuta of level 3 as designated in the 1977 excavation in this area.

The area exposed after the bulldozer's work will be termed batt. 2 of the third level.

Soil: Gray clay with sandy content as in other areas, streaks of red sand.

MATERIAL: Mixed lot with sherds of Greek appearance, some grayware, coarseware, pyramidal loomweight, black glaze sherds, bones. PZ-78-186P, 187T, 188B.

FEATURES: Concentration of tiles and stones in eastern half of square appear to indicate a dump layer.

III. N[']-8 Level 3, Batt. 2 (NOTEBK #1, pp. 38-39) PZ-78-189 PL

Soil: SAME gray clay with sand in matrix.

MATERIAL: FEW SHERDS, COARSEWARE, ORANGE COARSEWARE WITH impressed design, many large bones, PZ-78-190P, 191B.

9.
FEATURES: MANY TILES AND STONES IN SOIL INDICATED DUMP LAY

IV. 0' - 1' Level A, BATT. 5 (NOTEBK #1, p. 36) PZ-78-175PL

TROWELING AND CLEANUP OF AREA COMPLETED; FINDS FEW AN

ALL OF SIXTH CENTURY CHARACTER, SEE NOTEBK #IV, PP. 86-88

V. 0' - 7' Level 3, BATT. 1 (NOTEBK #1, pp. 36-37) PZ-78-178PL

Soil: GRAY CLAY WITH STREAKS OF RED SAND; ALONG SOUTH

EDGE OF SQUARE THERE WAS A BLACK STAIN, MUN.

SYR 2.5/1 Black, moist, not sure whether this is

indication of burning or not. Stain was 0.50-0.60

in width. Numerous large stones present in matrix

MATERIAL: COARSEWARE, ORANGEWARE WITH IMPRESSED DESIGN

BONE FRAGMENTS, PZ-78-179B.

FEATURES: NORTHERN PART OF SQUARE TAKEN UP BY 1977

EAST-WEST TRENCH.

VI. 0' - 7' Level 3, BATT. 2 (NOTEBK #1, pp. 38-39) PZ-78-180PL

Soil: GRAY CLAY WITH STREAKS OF RED SAND. IN SW CORNER

OF AREA (AS IN BATT. 1) THE SOIL CONTAINS A VERY HIGH

CONCENTRATION OF RED SAND, C. 0.50-0.60m. WIDE,

MUN. 2.5 YR 4/8 Red moist. Concentration of red sand

DIMINISHES IMMEDIATELY TO THE NORTH, THIS MAY BE

AN INTRUSION FROM OPERATIONS ASSOCIATED WITH THE

modern canal, see notebook #1, p. 38 for full description.

MATERIAL: Two black glaze sherds, Arretine-type ware sherd, coarseware, bone, PZ-78-181B.

FEATURES: NONE.

VII. 0' - 8' Level 3, Batt. 1 (NOTEBOOK #1, p. 38) PZ-78-182PL

Soil: SAME GRAY CLAY WITH SAND; STONES AND TILES IN MATRIX.

MATERIAL: SMALL QUANTITY, COARSEWARE, LOOMWEIGHT, BONES, PZ-78-183T, 184B.

FEATURES: NONE.

JUNE 28, 1978 (NOTEBOOK #I, pp. 40-41 98.
NOTEBOOK #II, pp. 42-43)

AREAS UNDER EXCAVATION:

- I. N¹⁻⁷ Level 3, BATT. 3
- II. N¹⁻⁸ Level 3, BATT. 2
- III. N¹⁻⁸ Level 3, BATT. 3
- IV. O¹⁻⁷ Level 3, BATT. 2
- V. O¹⁻⁷ Level 3, BATT. 3
- VI. O¹⁻⁸ Level 3, BATT. 2
- VII. O¹⁻⁸ Level 3, BATT. 3

I. N¹⁻⁷ Level 3, BATT. 3 (NOTEBOOK #I, p. 41; NOTEBOOK #II, p. 42) PZ-48-193PL

SOIL: GRAY CLAY WITH RED SAND; HIGHER CLAY CONTENT.

FEW TILES WERE PRESENT IN THE MATRIX.

MATERIAL: SHARP INCREASE IN QUANTITY OF FINDS COMPARED TO PREVIOUS BATT. SOME GRAYWARE AND ~~S~~SHERD FROM MEGARIAN BOWL, MANY RED-FIGURE SHERDS, SOME STATUETTE FRAGMENTS PZ-48-194P, 195P, 196T, 197B, 198P, 199T, 200P.

FEATURES: THIS WAS A DEEP BATT., c. 0.20-0.22m., due to the stickiness of the clay which leads itself to being removed in large chunks by the pick.

II. N¹-8 Level 3, Batt. 2 (NOTEBK #1, p. 40) PZ-78-201 PL

Work completed from previous day, see notebook #IV, pp. 92-94.

MATERIAL: FEW SHERDS, COARSEWARE, BONE, GRAYWARE SHERD WITH HOLES FOR DRAINING, see notebook #1, p. 40 for sketch. PZ-78-202T, 203B.

III. N¹-8 Level 3, Batt. 3 (NOTEBK #II, p. 42) PZ-78-204 PL

SOIL: GRAY CLAY WITH HIGHER CLAY CONTENT AS IN N¹-7

MATERIAL: QUANTITY SIGNIFICATELY DROPPED WHICH IS IN ~~KEEPING~~

KEEPING WITH FINDINGS OF EAST-WEST TRENCH IN 1977.

COARSEWARE, GRAYWARE, A FEW RED FIGURE SHERDS INCLUDING ONE WITH HIND LEGS OF ANIMAL: FOX? PZ-78-205P

FEATURES: ANOTHER DEEP BATT, SEE ABOVE N¹-7 Level 3, Batt. 3.

IV. D¹-7 Level 3, Batt. 2 (NOTEBK #I, p. 40) PZ-78-206 PL

Small strip of soil left from previous day excavated. A few coarseware sherds and bone fragment, see above, pp. 94-96. PZ-78-207B.

V. D¹-7 Level 3, Batt. 3 (NOTEBK #II, p. 42) PZ-78-208 PL

Soil: GRAY CLAY WITH RED SAND IN MATRIX. Very high concentration of red sand once again in SW corner of area, extending c. 1.50m along SOUTH EDGE OF

SQUARE WITH A MAXIMUM WIDTH OF C.O. 70m. Amount of sand decreases as you move northward, with some isolated patches of sand.

MATERIAL: COARSEWARE, ONE RED FIGURE SHARD WITH MEANDER PATTERN, GRAY WARE.

FEATURES: NONE.

VI. 0'-8 Level 3, BATT. 2 (NOTEBOOK # I, pp. 40-41) PZ-78-209 PL

Soil: GRAY CLAY WITH STREAKS OF RED SAND, CONCENTRATION OF SAND HIGHER TO THE SOUTH.

MATERIAL: COARSEWARE, LOOMWEIGHT, DONES: ALL FEW IN NUMBER. NOTABLE FINDS WERE A FIBULA FRAGMENT, STONE WITH CARVED RIDGE ON IT, AND AN INTACT PLOW SHARE, SEE NOTEBOOK #1, p. 41 FOR SKETCHES, PZ-78-210P, 211T, 212B, 506M.

FEATURES: NONE.

III. 0'-8 Level 3, BATT. 3 (NOTEBOOK # II, p. 43) PZ-78-213 PL

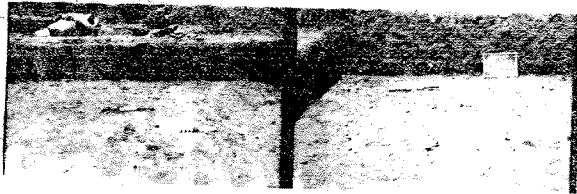
S: GRAY CLAY WITH HIGH CONCENTRATION OF RED SAND ALONG SOUTH EDGE OF SQUARE AND SEVERAL PATCHES OF VERY DARK SOIL AS NOTED BEFORE IN THIS AREA, SEE ABOVE, p. 94.

MATERIAL: FEW FINDS, COARSEWARE, ONE GRAY WARE SHARD.

FEATURES: NONE.

NOTE SEE NOTEBOOK # II, p. 43 FOR ACTUAL STRATIGRAPHIC LEVELS IN L'-1, N'-7, N'-8, O'-7, O'-8.

N¹⁻⁴ Level 3, BATT. 4



Tile Fall.

NOTE

JUNE 29, 1978 (NOTEBOOK #II, p. 44) 10%

WORKERS ON HOLIDAY TO POMPEII; SOME TROWEL WORK
DONE BY AMERICANS, SUPERVISOR DREW LEVEL PLANS.

214 B?
215 P?

JUNE 30, 1978 (NOTEBOOK #II, pp. 44-46)

AREAS UNDER EXCAVATION:

- I. N¹⁻⁷ Level 3, BATT. 4
- II. N¹⁻⁷ Level 4, BATT. 1
- III. N¹⁻⁸ Level 3, BATT. 3
- IV. N¹⁻⁸ Level 3, BATT. 4
- V. O¹⁻⁷ Level 3, BATT. 4
- VI. O¹⁻⁷ Level 3, BATT. 5
- VII. O¹⁻⁸ Level 3, BATT. 4

N¹⁻⁷ Level 3, BATT. 4 (NOTEBOOK #II, pp. 44-45) PZ-78-216 PL

SOIL: GRAY CLAY WITH SAND IN MATRIX AND STREAKS OF RED SAND; CARBON LENSES ALSO PRESENT IN THE LEVEL. THERE WAS A LAYER OF GRAY CLAY WITH VERY LITTLE SAND IN MATRIX ALONG THE NORTH SIDE OF THE SQUARE, MUN. 7.5 YR N5/0 GRAY - 7.5 YR N4/0 DARK GRAY, MOIST (TENDS TOWARDS DARKER COLOR). THE LAYER WIDENS AS IT MOVES TO THE EAST WHERE IT REACHED A WIDTH OF 1.0m. THERE WAS HIGHER QUANTITY OF CARBON LENSES ASSOCIATED WITH THIS LAYER

THAN WAS FOUND IN THE REST OF THE SQUARE

MATERIAL: LARGE QUANTITY: SOME RED-FIGURE SHERDS AND STATUETTE FRAGMENTS, MANY COARSEWARE AND BLACK GLAZE SHERDS PZ-78-222P, 223P, 224P, 225P, 226T, 227M, 218B.

FEATURES: TILE FALL APPEARED AT BOTTOM OF BATTUTA, NEXT BATT. WILL BE LEVEL 4, DEFINED AS LEVEL OF TILE FALL.

II. N¹-7 Level 4, BATT. 1 (NOTEBK #II, p. 45) PZ-78-234PL

SOIL: GRAY CLAY. WITH SAND AS IN PREVIOUS BATT.

MATERIAL: SHALLOW BATT. AND LIMITED WORK ACCOMPLISHED; COARSEWARE AND BLACK GLAZE SHERDS, ONE STATUETTE FRAG. PZ-78-~~234P~~ 235P, 236T.

FEATURES: TILE FALL; LEVEL TERMINOLOGY BASED ON 1977 SEE NOTEBK #II, p. 45 AND 1977 NOTES.

III. N¹-8 Level 3, BATT. 3 (NOTEBK #II, p. 44) PZ-78-238PL

SMALL STRIP LEFT FROM JUNE 28TH COMPLETED, SEE ABOVE p. 100.

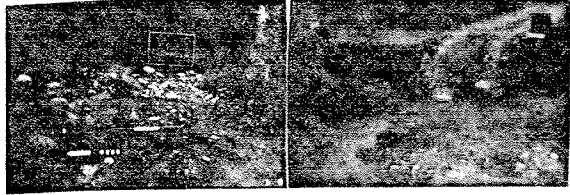
MATERIAL: COARSEWARE, BLACK GLAZE, GRAYWARE, RED-FIGURE. PZ-78-239B, 240B P

IV. N¹-8, Level 3, BATT. 4 (NOTEBK #II, pp. 45-46) PZ-78-241 PL

SOIL: SAME AS IN N¹-7 Level 3, BATT. 4, see above. LAYER OF PURER CLAY CONTINUES TO EXPAND EASTWARD, LAYER ALMOST FULL WIDTH OF SQUARE 1.0m - 1.25m. From ~~the~~ western edge of square.

10%

N¹-8 Level 3, BATT. 4



CONCENTRATION OF STONES AND
CONGLOMERATE BLOCK.

II
III
IV

MATERIAL: BLACK GLAZE WARE, COARSEWARE, SOME GRAYWARE PRESENT,
LOCAL IMITATION OF
SHERD OF MEGARIAN BOWL, RED-FIGURE SHERD WITH WINGED EGGS,
242P 243B
BADLY CORRODED BRONZE GREEK COIN PZ-78-244P, 245P, 246M.

FEATURES: CONCENTRATION OF STONES AND CONGLOMERATE BLOCK
DISCOVERED IN NW CORNER OF SQUARE, POSSIBLY INDICATION OF
A WALL PARALLEL TO LARGE STONE WALL DISCOVERED IN 1977.

V. 0'-7 Level 3, BATT. 4 (NOTEBOOK # II, p. 44) PZ-78-228PL

SOIL: GRAY CLAY WITH SAND IN MATRIX AND SOME STREAKS OF RED
SAND; THIS BATT. IS BELOW THE ~~■~~ LAYER OF HIGHLY CONCENTRATED
RED SAND, SEE ABOVE pp. 94-96, 100-102.

MATERIAL: LIMITED QUANTITY WHICH SEEMS TO BE THE RULE IN
THIS AREA; COARSEWARE, BLACK GLAZE, GRAYWARE, TWO STATUETTE
FRAGMENTS. PZ-78-229T

FEATURES: NONE.

VI. 0'-7 Level 3, BATT. 5 (NOTEBOOK # II, p. 45) PZ-78-230PL

SOIL: CONTINUES TO BE GRAY CLAY WITH SAND IN MATRIX.

MATERIAL: INCREASED AMOUNT OF MATERIAL AS COMPARED TO
PREVIOUS BATT.: COARSEWARE, BLACK-GLAZE, GRAYWARE, STATUETTE
FRAGMENTS. PZ-78-231T, 232T, 233T.

~~■~~
FEATURES: TILE FALL REACHED ONE BATT. LOWER THAN IN N'-7

II. 0'-8 Level 3, BATT. 4 (NOTEBOOK #II, p. 45) PZ-78-237PL

SOIL: UNCHANGED, SEE ABOVE p. 102; LEVEL BELOW HIGH
CONCENTRATION OF RED SAND

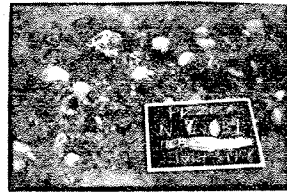
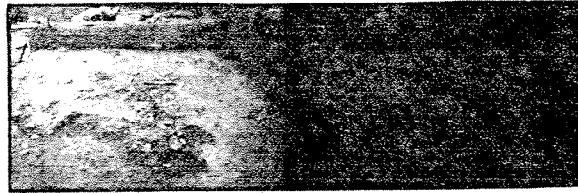
MATERIAL: ONE RED FIGURE SHERD, BLACK GLAZE, COARSEWARE, ONE
GRAYWARE SHERD, ONE CIRCULAR LOOMWEIGHT.

FEATURES: NONE.

116.

IV

N¹⁻⁷ Level 4, BATT. 1
Tile Fall



JULY 3, 1978 (NOTEBOOK # II, pp. 46-50) 12

AREAS UNDER EXCAVATION:

- I. N'-7 Level 4, BATT. 1
- II. N'-7 Level 4, BATT. 2
- III. N'-8 Level 4, BATT. 1
- IV. O'-7 Level 3, BATT. 5
- V. O'-7 Level 4, BATT. 1
- VI. O'-8 Level 3, BATT. 5
- VII. O'-8 Level 4, BATT. 1

I. N'-7 Level 4, BATT. 1 (NOTEBK # II, pp. 46, 48) PZ-78-247 PL

SOIL: LAYER OF DARKER GRAY CLAY PREVIOUSLY ENCOUNTERED

EXTENDS THROUGH APPROXIMATELY $\frac{3}{4}$ OF THIS SQUARE, SEE NOTEBK # II, p. 48 FOR SKETCH; ALSO SEE ABOVE p. 104. STONES (MOSTLY FIELDSTONES) WERE PRESENT IN TILE FALL.

MATERIAL: PREDOMINATELY COARSEWARE WITH SOME BLACK GLAZE, TWO FRAGMENTS OF GRAYWARE, STATUETTE FRAGMENTS, ANIMAL TEETH
PZ-78-248P, 249B, 250T.

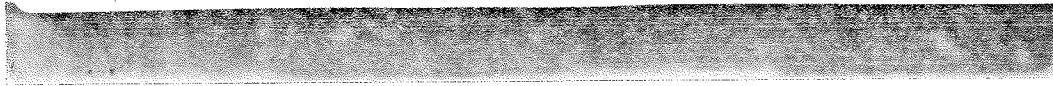
FEATURES: SHALLOW BATT. INTEND^{ED} TO DEFINE TILE FALL THROUGHOUT AREA, FOR FULL DISCUSSION SEE NOTEBK # II, p. 46.

I
II
III
IV
V
VI
VII
VIII
IX
X
XI
XII

1915-1916

1915-1916, 1917, 1918

1915-1916



I. N¹-7 Level 4, BATT. 2 (NOTEBK. #II, pp. 49-50) PZ-78-268PL

SOIL: APPROXIMATELY THE NORTH 2.0 m. OF AREA HAS DARKER GRAY SOIL AS NOTED BEFORE, MUN. 7.5 YR N4/0 DARK GRAY, MOIST. SOME SAND IS PRESENT IN THIS SOIL, BUT THERE IS A VERY HIGH CLAY CONTENT. THE SOUTHERN 2.5 m. OF THE SQUARE HAS LIGHTER GRAY CLAY WITH HIGHER SAND CONTENT WHICH ALSO HAS BEEN ENCOUNTERED BEFORE, MUN. 10 YR 5/1 gray, moist. CARBON LENSES PRESENT THROUGHOUT AREA.

~~NOTE~~ See NOTEBK #II, p. 50 for further discussion of soil.

MATERIAL: LARGE AMOUNT OF FINDS; COARSEWARE, BLACK GLAZE WARE, RED-FIGURE WARE, INTACT UNGUENTARIUM, STATUETTE FRAGMENTS, LOOMWEIGHTS PZ-78-269P, 270P, 271P, 273P, 274P, 275P, 276P, 277P, 278T, 279B, 280P, 281P, 282PL, 283T

FEATURES: level WITHIN A TILE FALL; CONCENTRATION OF TILES AND STONES ESPECIALLY HEAVY BEGINNING c. 2.5 m. from the west end of the square.

III. N¹-8 Level 4, BATT. 1 (NOTEBK #II, pp. 47, 49) PZ-78-263PL

SOIL: GRAY CLAY WITH HIGH CLAY CONTENT THROUGHOUT THE AREA

MATERIAL: COARSEWARE, BLACK GLAZE WARE, SEVERAL LARGE GRAY WARE FRAGMENTS, ANOTHER SHERD OF PROBABLE LOCAL IMITATION OF MEGARIAN BOWL, STATUETTE FRAGMENTS PZ-78-264P, 265P, 266T, 267T

115.

N¹⁻⁸ NORTHEAST CORNER



have been found in the area of the
road, and the marker is located at the

base of the hill. The marker is located at the

base of the hill. The marker is located at the

III

7-12-74

FEATURES: PATCHES OF SECOND TILE AND STONE DEPOSIT UNCOVERED ESPECIALLY IN THE NE CORNER NEAR THE POSSIBLE WALL PREVIOUSLY NOTED, SEE ABOVE p. 108.

IV. 0¹⁻⁷ Level 3, BATT. 5 (NOTEBK. #II, p. 46) PZ-78-253P

SOIL: See above p. 108.

MATERIAL: COARSEWARE, SKYPHOS BASE.

FEATURES: COMPLETION OF WORK BEGUN JUNE 30; SIGNS OF STONE AND TILE DEPOSIT AT BOTTOM OF BATT. WHICH SLOPES DOWN FROM N^{1-7,8} SOUTHWARD.

V. 0¹⁻⁷ Level 4, BATT. 1 (NOTEBK. #II, pp. 48-50) PZ-78-254P

SOIL: GRAY CLAY WITH HIGH CLAY CONTENT AS ALREADY ENCOUNTERED IN THIS LEVEL OF N^{1-7,8}.

MATERIAL: IN ADDITION TO MANY COARSEWARE AND BLACK GLAZED
SHERDS: SEVERAL STATUETTE FRAGMENTS, INTACT UNGUENTARIA,
CIRCULAR LOOMWEIGHT, NO GRAYWARE SHERDS PZ-78-255T,
256P, 257T, 258T, 259P.

FEATURES: CONTINUATION OF SECOND STONE AND TILE CONCENTRATION WHICH SLOPES DOWNWARD FROM ITS LEVEL IN N^{1-7,8} DENSITY OF TILE AND STONE DEPOSIT ^{HERE} MUCH LESS THAN IN N¹⁻⁷ DEEP BATT. DUE TO THE STICKINESS OF THE CLAY.

VI. 0'-8" Level 3, BATT. 5 (NOTEBOOK #II, pp. 48) PZ-78-251 PL

SOIL: CONTINUES TO BE GRAY CLAY WITH SAND IN MATRIX, HOWEVER IN CENTER OF AREA THERE ARE SOME PATCHES OF PURER CLAY COMPARABLE TO THAT ON N1-7,-8.

MATERIAL: COARSEWARE, SOME BLACKGLAZE, STATUETTE FRAGMENT, VOTIVE CUP, LOOMWEIGHT PZ-78-252T, 260T

FEATURES: APPEARANCE OF STONE AND TILE DEPOSIT.

VII. 0'-8" Level 4, BATT. 1 (NOTEBOOK #II, pp. 49-50) PZ-78-261 PL

SOIL: DARKER GRAY CLAY WITH HIGH CLAY CONTENT AS ENCOUNTERED IN THIS LEVEL OF OTHER AREAS.

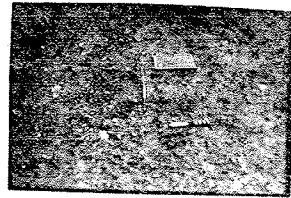
MATERIAL: FEW FINDS: COARSEWARE, BLACKGLAZE, SOME GRAYWARE, PIECE OF BRONZE (POSSIBLE BRACELET) PZ-78-262

FEATURES: DEEP BATT. DUE TO THE NATURE OF THE CLAY.

NOTE SEE NOTEBOOK #II, p. 47 FOR ACTUAL STRATIGRAPHIC LEVELS IN M1-7, N1-7, 0'-8, 0'-2.

119

N¹⁻⁹ Level 4, BATT. 2



CONCENTRATION OF STONES AND TILES

119



★ JULY 4, 1978 (NOTEBK # II, pp. 51-56) ★ 126

AREAS UNDER EXCAVATION:

- I. N¹⁻⁷ Level 4, BATT. 2
- II. N¹⁻⁷ Level 4, BATT. 3
- III. N¹⁻⁸ Level 4, BATT. 2
- IV. O¹⁻⁷ Level 4, BATT. 2
- V. O¹⁻⁷ Level 4, BATT. 3
- VI. O¹⁻⁸ Level 4, BATT. 2

I. N¹⁻⁷ Level 4, BATT. 2 (NOTEBK # II, p. 51) PZ-78-285PL

SOIL: COMPLETION OF WORK FROM PREVIOUS DAY SEE p. 14. LAYER OF DARK GRAY CLAY EXTENDS ENTIRE NORTH-SOUTH WIDTH OF THE SQUARE; CLAY ALONG NORTH EDGE OF SQUARE APPEARS BLACKER.

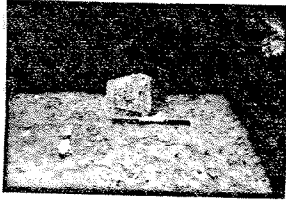
MATERIAL: COARSEWARE AND BLACK GLAZE, RED FIGURE SHERD WITH DEPICTION OF A FINE MALE HEAD. PZ-78-286P, 287T, 288P

FEATURES: CONCENTRATION OF TILES AND STONES ESPECIALLY HEAVY BEGINNING 2.0m. FROM THE WEST EDGE OF THE SQUARE.

II. N¹⁻⁷ Level 4, BATT. 3 (NOTEBK # II, pp. 52-53, 55-56) PZ-78-315PL

SOIL: DARK GRAY CLAY THROUGHOUT THE AREA; PATCHES OF EVEN DARKER CLAY, MUN. 10YR 3/1 VERY DARK GRAY MOIST, AS EN COUNTERED BEFORE, SEE NOTEBK # II p. 55 FOR FULL DISCUSSION. SCATTERED CARBON LENSES THROUGHOUT THE SQUARE.

1985 - 1986



1985 - 1986 Level 4, BATT. 2



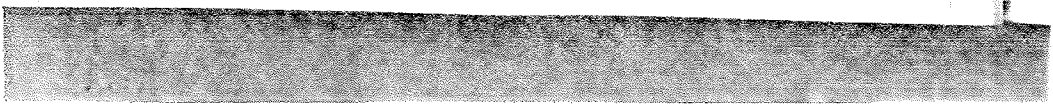
ARCHAIC MASON'S MARK



WORKED STONES

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III. N¹⁻⁸: VERY HIGH QUANTITY AND QUALITY OF FINDS, SEE NOTEBK #II FOR FULL DISCUSSION; COARSEWARE, BLACKGLAZE, MANY RED-FIGURE SHERDS AND STATUETTE FRAGMENTS, ROOF TILE FRAGMENT WITH PAINT REMNANTS, POSSIBLE VOTIVE COIN, PIECES OF WOOD AND ^{OTHER} ORGANIC MATERIAL BEGAN TO APPEAR.
 PZ-78-318T, 319P, 320T, 321B, 322P, 323P, 324T, 325T, 326P, 327T, 328SS, 329T, 339P

CARBON SAMPLE PZ-78-330SS SEE NOTEBK #II, p. 53.

FEATURES: VERY HIGH DENSITY OF TILE FRAGMENTS.

III. N¹⁻⁸ LEVEL 4, BATT. 2 (NOTEBK #II, p. 51) PZ-78-289PL

SOIL: DARK GRAY CLAY AS DISCUSSED IN N¹⁻⁷ AS WELL AS PREVIOUSLY DISCUSSED DARKER CLAY ALONG NORTH EDGE OF AREA.

MATERIAL: PREDOMINATELY COARSEWARE WITH SOME BLACK GLAZE, ONE STATUETTE FRAGMENT PZ-78-294T, 295P, 296P

FEATURES: TILE AND STONE CONCENTRATION CONTINUES FROM N¹⁻⁷

IV. O¹⁻⁷ LEVEL 4, BATT. 2 (NOTEBK #II, pp. 50-52) PZ-78-297PL

SOIL: DARK GRAY CLAY WITH HIGH CLAY CONTENT AS NOTED ^{BEFORE}

MATERIAL: PREDOMINATELY COARSEWARE, SOME BLACK GLAZE, ^{TWO} LARGE

WORKED STONES IN SW CORNER: ONE WITH A HOLE DRILLED IN IT, THE OTHER WITH AN ARCHAIC MASON'S MARK ON ITS SIDE,

0'-7" Level 4, BAT. 2



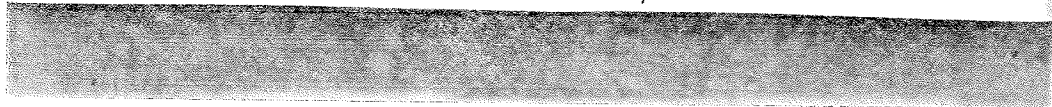
TILE FRAGMENT NOTCHED TO ACCOMODATE DRAIN SPOUT. RESTING ON TOP OF BLOCK WITH MASON'S MARK.



LOUTERION FRAGMENT IN SITU

III

VI



NUMEROUS LARGE TILE FRAGMENTS ASSOCIATED WITH THESE STONES INCLUDING TILE WITH NOTCH FOR DRAIN SPOUT.

LARGE FRAGMENT OF A LOUVERION OR POSSIBLY MORTAR, ALSO LEVEL PLAN # VII
SEE NOTEBK #II p. 52 FOR SKETCHES. PZ-78-290P, 291P,

292P, 293T, 294T, 295P, 296P, 300B.

FEATURES: WORKED STONES AND TILE FRAGMENTS IN SW CORNER; HIGHER CONCENTRATION OF TILES AND STONES IN SE CORNER NEAR LOUVERION FRAGMENT, SEE NOTEBK #II, p. 52 FOR SKETCH.

V. 0'-7 Level 4, BATT. 3 (NOTEBK #II, pp. 53, 56) PZ-78-304 PL.

SOIL: UNCHANGED FROM PREVIOUS BATT.

MATERIAL: COARSEWARE AND BLACK GLAZE SHERDS; ALMOST INTACT UNGUENTARIUM AND SMALL VESSEL WITH HORIZONTAL RED BAND, SEE NOTEBK #II, p. 53 FOR SKETCH PZ-78-305P, 306P, 307P, 308P, 309P, 310B, 311P, 312P, 313P

FEATURES: MORE STONES UNCOVERED WHICH ARE ASSOCIATED WITH THE INSCRIBED BLOCK; CONCENTRATION OF TILES NOT AS HEAVY AS IN N¹⁻⁷⁻⁸ WITH EXCEPTION OF AREA IN SE CORNER DISCUSSED IN PREVIOUS BATT. LESS MATERIAL THAN IN N¹⁻⁷⁻⁸.

VI. 0'-8 Level 4, BATT. 2 (NOTEBK #II, p. 53) PZ-78-301 PL

MOST OF AREA NOW COVERED BY DUMPER RAMP; SMALL STRIP

NORTH OF RAMP TAKEN DOWN.

SOIL : UNCHANGED FROM PREVIOUS BATT.

MATERIAL: FEW SHERDS INCLUDED LARGE SPOUTED MORTAR FRAGMENT AND RED FIGURE FRAGMENT PZ-78-302P, 303P.

FEATURES : NONE.

NOTE SEE NOTEBOOK #II, p. 54 FOR ACTUAL STRATIGRAPHIC LEVELS IN N¹⁻⁷, N¹⁻⁸, O¹⁻⁷, O¹⁻⁸.

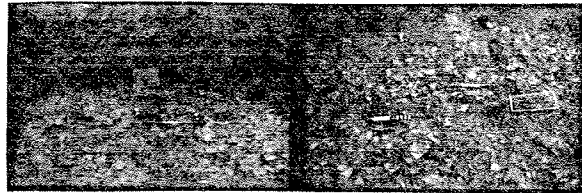
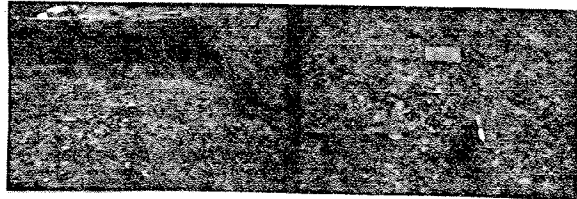
127

1072

7

1072

N¹⁻⁷ Level 4, BATT. 3



JULY 5, 1978 (NOTEBOOK #II, pp. 56-61)

128.

AREAS UNDER EXCAVATION:

- I. N¹⁻⁷ Level 4, BATT. 3
- II. N¹⁻⁷ Level 5, BATT. 1
- III. N¹⁻⁸ Level 4, BATT. 3
- IV. O¹⁻⁷ Level 4, BATT. 3
- V. O¹⁻⁷ Level 5, BATT. 1
- VI. O¹⁻⁸ Level 4, BATT. 3

I. N¹⁻⁷ Level 4, BATT. 3 (NOTEBOOK #II, pp. 56-58) PZ-78-341 PL

SOIL: DARK GRAY CLAY AND DARKER CLAY PRESENT AS DISCUSSED ABOVE SEE p. 114. NEW OBSERVATIONS WHICH MAY HELP CLARIFY SITUATION: LAYER OF DARK GRAY PURE CLAY AND BENEATH IT AND OVERLYING THE TILE FALL IS A VERY DARK LAYER. THE BOTTOM OF THIS VERY DARK LAYER CONSISTS OF A LAYER OF PLANT MATERIAL APPARENTLY PRESERVED FOR TWO MILLENIA BY AN ANAEROBIC CONDITION. FULL EXTENT CANNOT BE DETERMINED DUE TO NATURE OF EXCAVATION AND SUPERVISOR'S FAILURE TO APPRECIATE THE SITUATION EARLIER, FOR SKETCH SEE NOTEBOOK #II, p. 58 AND FOR FULL DISCUSSION SEE NOTEBOOK #II p. 57.

MATERIAL: COARSEWARE AND BLACKGLAZE SHERDS, RED FIGURE SHERD, WOODEN BRANCH PZ-78-342P, 343P, 344P, 345P, 346P, 347P, 348P.

FEATURES: HEAVY CONCENTRATION OF TILES AT BOTTOM OF
BATT., CLAY PEELED OFF JUST ABOVE THE TILE DEPOSIT.

II. N¹⁻⁷ Level 5, Batt. 1 (NOTEBOOK #II, pp. 59-61) PZ-78-357P

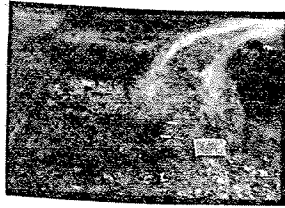
LEVEL 5 DEFINED AS THE AREA OF THE VERY DENSE TILE FALL
AND BELOW; AFTER DISCUSSION WITH PROF. CARTER IT HAS BEEN
DETERMINED THAT THIS TILE FALL SHOULD BE DISTINGUISHED FROM THE
SECOND CONCENTRATION OF TILES WHICH CORRESPONDED TO LEVEL 4.

SOIL: PREDOMINATELY GRAY PURE CLAY AS ENCOUNTERED BEFORE
VERY DARK SOIL WITH ASSOCIATED PLANT MATERIAL ALSO
PRESENT ESPECIALLY IN WESTERN END OF SQUARE, FOR FULL
DISCUSSION SEE NOTEBOOK #II. BLACK STAIN IN EASTERN EDGE
OF SQUARE CORRESPONDS TO LARGE CARBON LAYER OBSERVED
LAST YEAR IN N¹⁻⁶ IN THE NW CORNER OF THE AREA THERE
WAS SOME FINE STICKY CLAY, MUN. 10YR 4/2 DARK GRAYISH BROWN
MOIST. NUMEROUS CARBON STAINS, LENSES, AND LIMBS IN LEVEL.

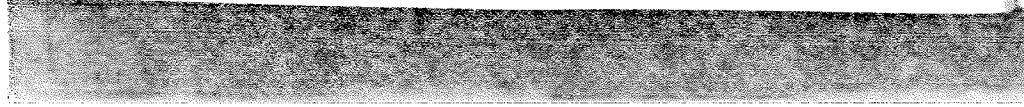
MATERIAL: VERY LARGE NUMBER OF FINDS; NUMEROUS STATUETTE
FRAGMENTS, A FEW RED-FIGURE SHERDS, BLACK GLAZE AND COARSE
WARE. A MUDBRICK WAS ALSO AMONG THE FINDS. PZ-78-352SS,
353SS, 354SS, 355SS, 369B, 370P, 371P, 373P, 374P, 375P, 376L
377P, 378P, 379P, 380P, 381P, 382P, 383P, 384B, 386T, 389T
385B - SEA SHELLS.

FEATURES: VERY DENSE CONCENTRATION OF TILE FRAGMENTS.
FOR VARIOUS THEORIES ABOUT THIS LEVEL AND ITS PLANT
MATERIAL SEE NOTEBOOK #II, pp. 60-61.

N1-8 LEVEL 4, BAIT 3



Handwritten notes on lined paper, including the words "Bait Station" and "N1-8".



III. N¹-8 Level 4, Batt. 3 (NOTEBK #II, pp. 58, 60) PZ-78-332 PL

SOIL: SEE ABOVE p. 128; IN SMALL AREA SOUTH OF THE DUMPER RAMP THE SOIL HAS A HIGHER SAND CONTENT THAN ENCOUNTERED IN THE REST OF THIS BATT, ALSO THERE WAS VIRTUALLY NO MATERIAL IN THIS AREA. MORE PLANT MATERIAL PRESENT.

MATERIAL: SOME COARSEWARE AND BLACK GLAZE WARE, THREE STATUETTE FRAGMENTS, INCOMPLETE UNGUENTARIUM PZ-78-333T, 334P, 335B, 336SS, 337SS, 338SS, 340SS

FEATURES: DUMPER RAMP TAKES UP MOST OF AREA; EXTENSION OF DARK SOIL WITH PLANT MATERIAL ALONG EASTERN END, CONTINUATION OF TILE LAYER. SEE NOTEBK #II, p. 58 FOR TWO SKETCHES.

IV. O¹-7, Level 4, Batt. 3 (NOTEBK #II, pp. 56-57⁶⁰) PZ-78-316 PL

SOIL: CONTINUES TO BE SAME GRAY CLAY.

MATERIAL: FINDS DECREASED IN NUMBER AS WORK PROGRESSED EASTWARD, USUAL MIX OF COARSEWARE AND BLACK GLAZE PZ-78-317P

FEATURES: ONLY HEAVY TILE CONCENTRATION LOCATED IN SE AREA OF SQUARE; SEVERAL OTHER STONES UNCOVERED WHICH ARE ASSOCIATED WITH INSCRIBED BLOCK.

V. O¹-7, Level 5, Batt. 1 (NOTEBK #II, pp. 59-60) PZ-78-331 PL

LEVEL 5 defined as the area starting at the level of the blocks which appeared at the bottom of the last batt. A high concentration of tiles has not appeared in this area as in N¹-7.

SOIL: SOIL UNCHANGED FROM PREVIOUS BATT.

MATERIAL: RELATIVELY SMALL QUANTITY, COARSEWARE WITH SOME
BLACK GLAZE WARE.

FEATURES: NONE YET VISIBLE, BATT. INCOMPLETE AT END OF DAY.

VI. 0'-8 Level 4, BATT. 3 (NOTEBOOK #II, p. 58)

This level was not excavated, since almost its entire
area was covered by the DUMPER RAMP.

NOTE SEE NOTEBOOK #II, p. 59 FOR ACTUAL STRATIGRAPHIC
LEVELS IN N¹⁻⁷ AND N¹⁻⁸.

JULY 6, 1978 (NOTEBOOK #II, pp. 61-65) 136.

A'S UNDER EXCAVATION:

- I. N¹⁻⁷ Level 5, BATT. 1
- II. N¹⁻⁷ Level 5, BATT. 2
- III. N¹⁻⁷ Level 6, BATT. 1
- IV. N¹⁻⁸ Level 5, BATT. 1
- V. N¹⁻⁸ Level 5, BATT. 2 SOUTH OF DUMPER RAMP
- VI. N¹⁻⁸ Level 5, BATT. 2 NORTH + WEST OF DUMPER RAMP
- VII. O¹⁻⁷ Level 5, BATT. 1
- VIII. O¹⁻⁸ Level 5, BATT. 1

I. N¹⁻⁷ Level 5, BATT. 1 (NOTEBOOK #II, p. 61) PZ-78-410PL

COMPLETION OF WORK FROM PREVIOUS DAY, SEE ABOVE P. 130.

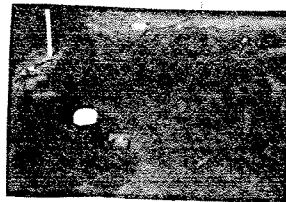
SOIL: REMAINS UNCHANGED; THE ENTIRE BOTTOM SURFACE OF THIS BATT. IS COVERED WITH THE VERY DARK SOIL AND MATTED PLANT MATERIAL. A 0.25m. x 0.25m. SOIL SAMPLE OF THIS PHENOMENON WAS TAKEN, PZ-78-404SS

MATERIAL: LARGE QUANTITY OF FINDS, IN ADDITION TO USUAL COARSE AND BLACK GLAZE WARE: STATUETTE FRAGMENTS, VOTIVE CUP, RED FIGURE SAERDS, PZ-78-411T, 412P, 413P, 414P, 415P, 416P, 417B, 391SS, 392SS, 393SS, 394P, 395P, 396P, 403T

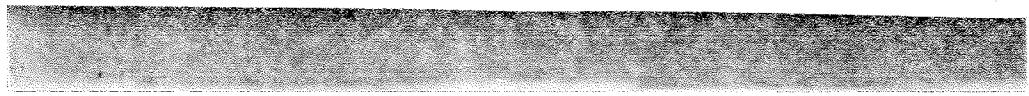
PZ-78-391SS: LARGE CLUMP OF PLANT MATERIAL AND NUMEROUS BRANCHES KEPT TOGETHER; SOME BRANCHES IDENTIFIED AS GRAPE VINES.

Handwritten vertical text on the right margin, possibly a page number or date.

N¹⁷ Level 6, BATT. 1



BEGINNING OF BATT.



FEATURES: DENSE LAYER OF TILE FRAGMENTS

II. N¹⁻⁷ Level 5, BATT. 2 (NOTEBK #II, p. 62) ^{PL possibly} ~~combined~~ combined with lot from level 5, batt. 1.

SOIL: THERE IS A MARKED SOIL CHANGE BELOW THE VERY THIN (c. 0.001-0.003m.) layer of very dark soil and plant material.

The soil below this layer is a CLAY WITH FINE SAND IN ITS MATRIX, IT HAS A CLAYEY TEXTURE, MUN. 2.5 YR 3/2 Very dark grayish brown moist. THIS SOIL WAS INCLUDED IN Pz-78-404SS.

MATERIAL: FINDS REMAIN ABUNDANT, INTACT UNGUENTARIUM, ALMOST COMPLETE BLACK GLAZE SQUAT LEKYTHOS (BROKEN BY DUMPER OPERATION), STATUETTE FRAGMENTS, CARNIVORE MANDIBLE Pz-78-405T, 406B, 407P, 408P.

FEATURES: NO LONGER A HIGH CONCENTRATION OF TILE FRAGMENTS; RATIO OF SOIL TO CULTURAL MATERIALS HIGHER THAN IN PREVIOUS BATT.

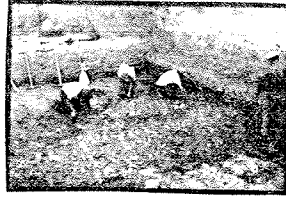
III. N¹⁻⁷ Level 6, BATT. 1 (NOTEBK #II, pp. 63, 65) Pz-78-420PL

Level 6 designated as layer of soil directly above and including the surface of the pavement already exposed in N¹⁻⁶, O¹⁻⁶ during the 1977 season. SHALLOW BATT., ONLY c. 0.10m. of soil remained above the pavement.

SOIL: SAME VERY DARK GRAYISH BROWN CLAY AS IN PREVIOUS BATT.

139.

N^o 7 Level 6, BATT. 1



TROWELING OF PAVEMENT

[Faint, illegible text, possibly bleed-through from the reverse side of the page]

In SW corner of square a fine gray sand (the texture of beach sand) lies directly on the pavement below the clay layer, see notebook #II, p. 65 for sketch.

MATERIAL: REMAINS OF TWO FRAGMENTARY OWL CUPS, SEVERAL FRAGMENTARY VASES OF WHICH SEVERAL SHERDS SURVIVE, RED FIGURE SHERD; HIGH PROPORTION OF BLACK GLAZE SHERDS TO COARSEWARE SHERDS. SEVERAL LARGE BRANCHES INCLUDING ONE WHICH APPEARED CHARRED. PZ-78-421P, 422P, 423P, 424P, 425P, 426B, 427P, 428SS, 429SS, 430P, 431P, 432B, 433P.

FEATURES: FIELDSTONE PAVEMENT WITH TILE FRAGMENTS AND SHERDS SCATTERED ~~ON~~ ON ITS SURFACE.

IV. N¹-8 Level 5, BATT. 1 (NOTEBOOK #II, p. 61) PZ-78-349PL

SOIL: UNCHANGED, SEE ABOVE pp. 128, 132.

MATERIAL: COARSEWARE AND BLACK GLAZE SHERDS; ONCE AGAIN NO FINDS IN AREA SOUTH OF DUMPER RAMP. PZ-78-350P, 351B.

FEATURES: SEE ABOVE p. 132.

VI-VI. N¹-8 Level 5, BATT. 2 (NOTEBOOK #II, pp. 64-65) PZ-78-358PL

AREA \odot SEPARATED BETWEEN SECTION SOUTH OF DUMPER RAMP AND SECTION NORTH AND WEST OF DUMPER RAMP IN FIELD NOTES. FINDS OF TWO AREAS LUMPED TOGETHER BY POTTERY SHED. DIVISION OF SQUARE NOT SIGNIFICANT.

11: SAME CHANGE AS DISCUSSED ABOVE IN N¹⁻⁷, p.138.

MATERIAL: A FEW COARSEWARE AND BLACK GLAZE SHERDS SOUTH OF THE RAMP; LARGE AMOUNT OF ~~SHERDS~~ ^{BLACK GLAZE} AND COARSEWARE SHERDS IN AREA N AND W. OF RAMP. PZ-78-359B, 360T, 361T, 362P, 363P, 364P, 365P, 366P, 367SS.

FEATURES: IN NE CORNER OF AREA SOME LARGE STONES APPEARED JUST TO THE WEST OF THE STONE PAVEMENT DISCOVERED EARLIER. EXACT NATURE OF STONES NOT YET DETERMINED.

VII. 0¹⁻⁷ Level 5, Batt. 1 (NOTEBOOK #II, pp. 61, 63) PZ-78-387PL

SOIL: SOIL HAS CHANGED TO A GRAY CLAY WITH AN EXTREMELY SANDY TEXTURE, MUN. 5Y 4/1 dark gray moist. Some traces of purer clay from previous batt. along approx. imately ~~west~~ ^{western} 1.0 m. of the area.

MATERIAL: FRAGMENTARY BLACK GLAZE CUP OR BOWL WITH TWO HORIZONTAL DECORATIVE RIDGES, MELTING SPOUT, BONE PZ-78-388P

FEATURES: APPEARANCE OF SOME PAVEMENT NOTABLY ALONG THE EASTERN EDGE OF THE SQUARE.

VIII. 0¹⁻⁸ Level 5, Batt. 1 (NOTEBOOK #II, p. 64) PZ-78-397PL

SOIL: Very dark grayish brown clay as encountered in N¹⁻⁷, but the change to this soil was not as marked as in N¹⁻⁷. Some of pure gray clay as in upper batt. was present. Several patches of black stain possibly evidence of

fire or as Prof. Carter believed remains of water channels.
Some ^{fine} gray sand as found in N¹⁻⁷ also present in this ^{area.}

MATERIAL: Small amount of finds: coarseware and black glaze
sherds, bone fragments, antefix fragment Pz-78-398B, 399T,
400T, 401P, 402P, 409P.

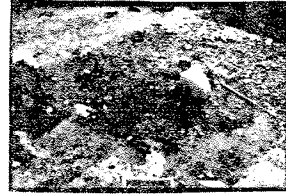
FEATURES: DUMPER RAMP REMOVED. PAVEMENT ALONG THE
WESTERN 2.0m. of the square extending into O¹⁻⁷ Some
large stones were associated with the pavement.

NOTE WORK IN THIS AREA GOT AHEAD OF THE SUPERVISOR WHILE
HE WAS TAKING LEVELS, THEREFORE THEY ARE NOT AS COMPLETE
AS ONE WOULD LIKE, SEE NOTEBOOK #II, p. 61.

NOTE SEE NOTEBOOK #II, p. 62 FOR ~~THE~~ ACTUAL STRATIGRAPHIC
LEVELS IN N¹⁻⁷ AND N¹⁻⁸.

145.

N¹⁻⁷ Level 6, BATT. 1



TROWELING OF PAVEMENT



JULY 7, 1948 (NOTEBOOK #II, pp. 66-69) 146.

AREAS UNDER EXCAVATION:

- I. N¹⁻⁷ Level 6 BATT. 1
- III. N¹⁻⁸ Level 6 BATT. 1
- II. N¹⁻⁸ Clearing of DUMPER RAMP
- IV. O¹⁻⁷ Level 6, BATT. 1
- V. O¹⁻⁸ ~~CLEARING OF~~ ~~DUMPER RAMP~~
- VI. O¹⁻⁸ Level 5, BATT. 1

I. N¹⁻⁷ Level 6, BATT. 1 (NOTEBOOK #II, pp. 66, 68) Pz-78-448PL

SOIL: SEE ABOVE pp. 138, 146; SEE NOTEBOOK #II, p. 66. for details concerning Pz-78-441SS; NOTE "A NOTE ON SAMPLING," NOTEBOOK #II, p. 66; the proposed soil samples were not taken when Prof. Carter stated that no soil samples would be taken back to the U.S.A. for study.

MATERIAL: FINDS DECREASE AS WORK PROCEEDS EASTWARD.

COARSEWARE AND BLACK GLAZE SHERDS, SPINDLE WHORL, MORE WOODEN BRANCHES Pz-78-449P, 450P, 451T, 452B, 447SS

FEATURES: FIELDSTONE PAVEMENT.

II. N¹⁻⁸ Clearing of DUMPER RAMP (NOTEBOOK #II, p. 66) Pz-78-434PL

DUMPER RAMP REMOVED; MATERIAL NOT SEPARATED ACCORDING TO LEVEL. FINDS INCLUDED A LERYTHOS WITH CROSS HATCH DECORATION Pz-78-435P, 436P, 437P, 438B.

III. N¹⁻⁸ Level 6, BATT. 1 (NOTE BK # II pp. 68-69) PZ-78-453PL

SOIL: THE WESTERN c. 1.70 m. of square was very dark grayish brown clay as in N¹⁻⁷. In the Southeast corner (extending a maximum of 1.90-1.60 m into the square) was a fine textured olive gray clay, Mun. 5Y 5/2 moist, and in the far southeast corner there was some dark olive gray clay, Mun. 5Y 5/3 moist. The line of this olive gray clay slants to the Northeast and runs parallel to the large wall in N^{1-5,6}. This olive gray soil sets off the limit of the ~~layer~~ cultural layer associated with the above wall.

MATERIAL: USUAL MIX OF SHERDS; MOST NOTABLE FIND WAS A SMALL PIECE OF WORKED WOOD. PZ-78-454B, 455B, 456SS, 457P, 458SS.

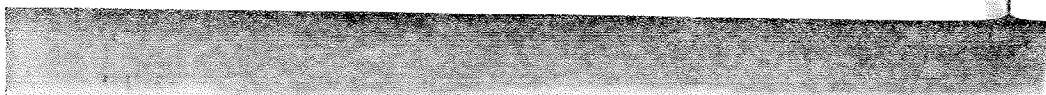
FEATURES: CONTINUATION OF PAVEMENT FROM N¹⁻⁷. Removal dumper further exposed the concentration of stones (pavement at higher level) in NE CORNER. WHOSE EXACT NATURE IS NOT CLEAR. LARGE CONGLOMERATE BLOCK AND NEGATIVE OF OTHER BLOCKS COUPLED WITH THE LINE OF OLIVE GRAY CLAY FINALLY GAVE US EVIDENCE FOR A WALL PARALLEL TO THE LARGE WALL DISCOVERED IN 1977.

9.

0'7 Level 6, BATT. 1



TROWELING OF PAVEMENT



III. 0'-7 Level 6, Batt. 1 (NOTEBOOK #II, pp. 67-69) PZ-78-445PL

Soil: Complex situation: gray sandy soil (see above p. 142) was found along the southern 1.50-2.0 m. of the area; some patches of gray clay with high clay content present; some very dark grayish brown clay as previously encountered was present along the north end of the area. Carbon lenses were scattered in the soil. 442SS.

MATERIAL: FINDS WERE FEW IN NUMBER, CURVED ROOF TILE WHICH SURVIVES TO ALMOST ITS ENTIRE LENGTH, MOST NOTABLE WAS A FACIAL FRAGMENT FROM A LARGE VOTIVE PLAQUE, FOR EXACT FIND SPOT AND SKETCH SEE NOTEBOOK #II, p. 68. 443T, 444B

FEATURES: PAVEMENT WHICH OVERALL IS COMPOSED OF SMALLER STONES THAN THE EXTENSION OF THE PAVEMENT IN N¹⁻⁷

IV. 0'-8 Clearing of DUMPER RAMP (NOTEBOOK #II, p. 66) PZ-78-439PL

RAMP EXCAVATED DOWN TO LEVEL 5, BATT. 1, MATERIAL NOT SEPARATED ACCORDING TO LEVEL; MOST NOTABLE FINDS: RED FIGURE SHARD WITH FEMALE PROFILE AND BLACK GLAZE SHARD WITH RAISED DESIGN, TORCH OR CORNUCOPIA.

V. 0'-8 Level 5, Batt. 1 (NOTEBOOK #II, p. 67) ■

Soil: GRAY CLAY WITH HIGH CLAY CONTENT AND CARBON LENSES IN MATRIX PRESENT IN WESTERN THIRD OF AREA; BLACK STAIN,

MUN. 2.5 YR N2.5/0 BLACK, MOIST, WITH THE TEXTURE OF FINE CLAY PRESENT IN REMAINDER OF AREA.

MATERIAL: NONE FOUND.

FEATURES: NONE, SEE NOTEBOOK #II, p. 67 for description of dimensions of area under excavation.

NOTE SEE NOTEBOOK #II p. 67 for an important note on the terminology of levels in O¹⁻⁷ AND O¹⁻⁸.

N¹⁻⁷⁻⁸ AND O¹⁻⁷⁻⁸ Level 6, BATT. 1



FLOODED BY OVERNIGHT POWER OUTAGE
IN THE PUMPING SYSTEM

L¹⁻⁴ Level 3, BATT. 1 SOUNDING WITH ROOM (E)



TILE FELL BEFORE REMOVAL; SKELETON LOCATED
UNDER THE DARKER COLORED SOIL (UPPER RIGHT
HAND CORNER OF RIGHT PHOTO) - PROTECTIVE
COAT OF SOIL PUT OVER HER IN 1977



COMPLETION OF BATT.

SATURDAY, JULY 8, 1978 (NOTEBOOK #II, pp. 70-71) 154.

EAS UNDER EXCAVATION:

- I. L¹⁻⁴ Level 3, BATT. 1 SOUNDING WITHIN ROOM (SOUNDING I)
- II. L¹⁻⁴ Level 3, BATT. 2 SOUNDING WITHIN ROOM (SOUNDING I)
- III. L¹⁻⁴ Level 3, BATT. 3 SOUNDING WITHIN ROOM (SOUNDING I)
- IV. M^{1-2, -3} Level 3, BATT. 3 SOUNDING IV.

I. L¹⁻⁴ Level 3, BATT. 1 SOUNDING WITHIN ROOM ^(I) (NOTEBOOK #II, p. 70) 459. Pz-78-4625

WORK DONE BY PROF. CARTER AND GIUSEPPE DI TACANTO WITH BOTH PROF. LEVEL CARTER AND SUPERVISOR TAKING NOTES.

~~3~~ 3 based on the usage of the 1977 season designates the level of the tile fall and below associated with the house.

SOIL: The soil was dry and hard. The supervisor failed to take notes on color using Munsell chart. Soil from ~~this and the following~~ batt. were put through the new water flotation device - Pz-78-4625S.

MATERIAL: LARGE COARSEWARE BODY SHERDS, SOME BLACK GLAZE WARE, POSSIBLE SHERD OF GNATHIA WARE, A CIRCULAR LOOMWEIGHT

Pz-78-460P, 461B

FEATURES: SOUNDING MADE WITHIN ROOM CONTAINING SKELETON UNCOVERED IN 1977. TILE FALL REMOVED, THEN A SHALLOW (~~0.05m batt~~) dug (c. 0.05m) batt. dug.

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L¹⁻⁴ Level 3, BATT. 3 SOUNDING WITHIN ROOM (E)



I



II. L¹⁻⁴ Level 3, BATT. 2 SOUNDING WITHIN ROOM (NOTEBOOK #II, p. 71) (I)
P2-78-463PL

Soil: Unchanged, contained many tile fragments and small stones. Flotation sample - P2-78-4675

MATERIAL: PREDOMINATELY COARSEWARE WITH SOME BLACK GLAZE

AMOUNT OF MATERIAL INCREASED IN COMPARISON TO BATT. 1
P2-78-464P, 465P, 466P.

FEATURES: NONE; VERY SHALLOW BATT.

III. L¹⁻⁴ Level 3, BATT. 3 SOUNDING WITHIN ROOM (NOTEBOOK #II, p. 71) (I)
P2-78-468PL

SOIL: DECREASE IN NUMBER OF TILE FRAGMENTS AND STONE IN SOIL. FLOTATION SAMPLE - P2-78-47155

MATERIAL: COARSEWARE, SOME BLACK GLAZE, CIRCULAR LOOMWEAVE
P2-78-469P, 470P.

FEATURES: NONE; VERY SHALLOW BATT.: TOTAL DEPTH OF THREE
BATT. 0.27-0.16m. depending upon slope of hill.

IV. M^{1-2, -3} Level 3, BATT. 3 (NOTEBOOK #II, pp. 70-71) P2-78-4468 (SOUNDING?)

WORKED BY ROBYN ALSTIN AND JANE HENRICI.

LEVEL 3, BATT. 3 designation was roughly based on 1977 notes, see notebook #II, p. 70 for full discussion.

Soil: Once again adequate notes on soil not taken.

Soil extremely hard, the progress was very slow.



22 NOV - PROF. CARTER PROCESSING THE FIRST
WATER FLOTATION SAMPLE.

12-18-59

VI

MATERIAL: VERY FEW FINDS: COARSEWARE WITH SOME BLACK GLAZE.
 FEATURES: VERY SHALLOW BATT., ONLY 0.02-0.05m. in depth.

* NOTE SEE NOTES FOR LAST WEEK OF EXCAVATION
 WHEN ~~THESE~~ ^{THESE} SOUNDINGS WERE CONTINUED WITH
 CLOSER SUPERVISION, NOTEBOOK #V, pp. 43ff.

NOTE FOR THE CONTINUATION OF THE SOUNDING IN
 "CELESTE'S ROOM" SEE NOTEBOOK #I, pp. 43ff. :
 L'-4 Level 3, BATT. 4 SOUNDING I.

59.



BULLDOZER OPERATING IN L1-5, -6, -7, -8
DURING JUNE.



JULY 10, 1978 (NOTEBOOK #II, pp. 72-74) 160.

AREAS UNDER EXCAVATION:

- I. L¹-5,-6 Level 2, BATT. 1 NORTH HALF
- II. L¹-5,-6 Level 2, BATT. 1 SOUTH HALF
- III. L¹-5,-6 Level 2, BATT. 2
- IV. L¹-7,-8 Level 2, BATT. 1 NORTH HALF
- V. L¹-7,-8 Level 2, BATT. 1 SOUTH HALF.

NOTE ON LEVELS — LEVEL 1 WAS REMOVED IN JUNE BY THE BULLDOZER, THIS SOIL WAS A DARK BLACKISH BROWN. BASED ON THE 1977 NOTES, THE WORK IN THESE AREAS WAS SET AT LEVEL 2, THE AREA BELOW THE TOPSOIL. FOR A FULL DISCUSSION OF VARIOUS PROBLEMS INVOLVED SEE NOTEBOOK #II, p. 72. PROF. CARTER DIVIDED AREAS INTO NORTH AND SOUTH HALVES DUE TO POSSIBLE DIFFERENCE IN SOIL.

I. L¹-5,-6 Level 2, BATT. 1 NORTH HALF (NOTEBOOK #II, pp. 72-73) ^{P2-78-}472P

Soil: YELLOWISH-BROWN SOIL WITH A HIGH BRECCIA CONTENT.

MATERIAL: TWO COMPLETE SKYPHOI HELD TOGETHER BY CLODDED

DIRT WERE FOUND ALONG NORTHERN EDGE OF AREA: ONE IN L¹-5,

THE OTHER IN L¹-6 BLACK GLAZE SHERDS; ARRETINE-TYPE

(POSSIBLY IMITATION TERRA SIGILLATA) SHERDS. P2-78-478P, 479P,
473P.

L¹-5,-6 Level 2, BATT. 1



WORK IN PROGRESS, PROCEEDING NORTHWARD

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76-9011-89-59
SETH



FEATURES: 1977 test trench in western end of L¹⁻⁵.

MORE MATERIAL PRESENT IN NORTH^{-ERN} HALF THAN IN SOUTHERN.

II. L^{1-5, -6} Level 2 BATT. 1 SOUTH HALF (NOTEBOOK #II, p. 73) P2-78-474 PL

SOIL: YELLOWISH BROWN SOIL WITH BRECCIA CONTENT AND ALONG THE SOUTHERN SIDE OF THE AREA THERE IS A STRIP OF DARK BLACKISH BROWN SOIL FROM LEVEL 1 VARYING IN WIDTH FROM 0.50 - 0.70 m.

MATERIAL: "IMITATION TERRA SIGILLATA," ONE BLACK GLAZE SHERD, CIRCULAR LOOMWEIGHT, BONE FRAGMENTS P2-78-473B

FEATURES: NONE.

III. L^{1-5, -6} Level 2, BATT. 2 (NOTEBOOK #II, p. 74) P2-78-480 PL

SOIL: YELLOWISH-BROWN FINE SANDY SOIL WITH MANY SMALL STONES IN MATRIX (MUN. 10YR 5/1 moist) WAS PRESENT AS IN FIRST BATT. ALONG SOUTHERN 0.50-0.60 m. AREA THERE WAS A BROWN SANDY SOIL WITH MANY STONES IN MATRIX (MUN. 7.5YR 4/2 DARK BROWN-BROWN moist) WHICH APPARENTLY WAS LAST TRACE OF LEVEL 1, though not as dark as level 1.

MATERIAL: INTACT SHALLOW CUP WITH PAINTED DECORATION FOUND IN NW AREA OF L¹⁻⁵ around find spots of skyphoi in BATT. 1. ARRETINE-type AND grayware sherds present ALONG WITH BLACK GLAZE WARE, COARSEWARE, CIRCULAR LOOMWEIGHT P2-78-481 P.

FEATURES: NONE. FOR DISCUSSION OF FIND SPOTS OF INTACT VESSELS SEE NOTEBOOK #II p. 74.

THE SOIL FROM THE INTACT VESSELS WAS KEPT:

- PZ-78-483SS From PZ-78-479P
- PZ-78-484SS From PZ-78-478P
- PZ-78-485SS From PZ-78-481P

PZ-78-486PL is coarseware sherds taken from the interior of PZ-78-481P.

IV. L^{1-9,-8} Level 2, BATT. 1 NORTH HALF (NOTEBOOK #II, p. 73) PZ-78-477PL

SOIL: YELLOWISH BROWN SOIL WITH BRECCIA IN MATRIX.

MATERIAL: VERY FEW FINDS; BLACK GLAZE AND COARSEWARE.

FEATURES: NONE; WORK STOPPED 2.25m. from ~~east~~ eastern end of L¹⁻⁸ due to hardness of soil and to accomodate dumper ramp.

V. L^{1-7,-8} Level 2, BATT. 1 SOUTH HALF (NOTEBOOK #II, p. 73) PZ-78-476PL

SOIL: Yellowish-brown soil with darker soil along southern edge as in L^{1-5,-6}, see above.

MATERIAL: LESS THAN IN NORTH HALF, COARSEWARE AND BLACK GLAZE.

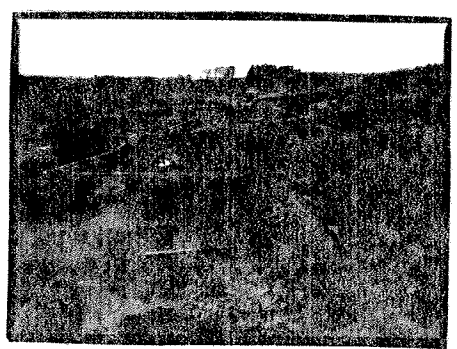
FEATURES: NONE; WORK STOPPED AS IN NORTH HALF.

NOTE SEE NOTEBOOK #II, pp. 73-74 FOR ACTUAL STRATIGRAPHIC LEVELS IN L¹⁻⁵, L¹⁻⁶, AND L¹⁻⁷.

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76)

- 1978 -
- PIZZICA -
- NOTEBOOK -
5

SUMMARY OF FIELD NOTES, SEE PP. 69-79 FOR INDEX.
49 PHOTOS.



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1.
July 11, 1978 (NOTEBOOK # II, pp. 75-76)

AREAS UNDER EXCAVATION:

- I. L^{1-5, -6} Level 2 BATT. 2 NORTH AND SOUTH HALVES
- II. L¹⁻⁵ Level 2 BATT. 3
- III. L¹⁻⁶ Level 2 BATT. 3
- IV. L¹⁻⁷⁻⁸ Level 2 BATT. 2

I. L^{1-5, -6} Level 2 BATT. 2 NORTH PZ-78-495PL AND SOUTH PZ-78-498PL HALVES
(NOTEBOOK # II, p. 75)

Soil: Unchanged; yellowish-brown soil with breccia; small strip of darker soil along the south edge.

MATERIAL: Very little material from the South half; some black glaze sherds and possible imitation Arretine-type sherds. Another complete cup found along north edge of area, identical to one found on previous day. Another smaller black glaze cup found farther to the east. Higher proportion of black glaze sherds to coarseware in north section. For sketches and further discussion see NOTEBOOK # II, p. 75. All special finds are from NORTH HALF: PZ-78-496P, 497B, 487P, 489P; Soil from intact vessels PZ-78-488SS AND 490SS.

FEATURES: NONE.

II. L¹⁻⁵ Level 2 BATT. 3 (NOTEBOOK # II, p. 76) PZ-78-491PL

Soil: Unchanged from previous batt.

MATERIAL: Few finds, black glaze, coarseware, bone PZ-78-492B

FEATURES: NONE.

III. L¹⁻⁶ Level 2, Batt. 3 (NOTEBOOK #II, p. 76) P2-78-499AL

Soil: Unchanged from previous batt.

MATERIAL: Small quantity; black glaze and coarseware; a few Arretine-type sherds P2-78-500B

FEATURES: NONE.

IV. L¹⁻⁷⁻⁸ Level 2, Batt. 2 (NOTEBOOK #II, p. 75) P2-78-501AL

Soil: Most of area is yellowish brown soil with breccia. Very little of darker soil along the south edge of area. Some virgin soil reached along the north boundary of the square.

MATERIAL: FEW FINDS: PREDOMINATELY COARSEWARE, BLACK GLAZE, ONE IMITATION ARRETINE-TYPE SHERD P2-78-502P, 503B

FEATURES: NONE; WORK DISCONTINUED IN THIS AREA.

NOTE SEE NOTEBOOK #II, p. 76 FOR ACTUAL STRATIGRAPHIC LEVELS IN L¹⁻⁵, L¹⁻⁶ AND L¹⁻⁷.

L¹-5,-6 Level 2, BATT. 4 SOUTHERN STRIP



WORK IN PROGRESS

JULY 12, 1978 (NOTEBOOK # II, pp. 77-80)

AREAS UNDER EXCAVATION:

- I. L^{1-5,-6} Level 2, BATT. 4 SOUTHERN STRIP
- II. L^{1-5,-6} Level 2, BATT. 5 SOUTHERN STRIP
- III. L^{1-5,-6} Level 2, BATT. 6 SOUTHERN STRIP
- IV. M^{1-5,-6} Cleaning around blocks and walls
- V. M¹⁻⁶ Cleaning around blocks and large NORTH-SOUTH WALL
- VI. M^{1-6,-7} Level 3, BATT. 1

I. L^{1-5,-6} Level 2, BATT. 4 SOUTHERN STRIP (NOTEBOOK # II, p. 77) Pz-78-493PK

Soil: Yellowish brown soil with sandy texture and scattered small stones in the matrix, Mun. 10YR 5/4 moist. Virgin soil takes up all but a 2.0m. wide strip along the southern end of the square, therefore only the "Southern Strip" is being excavated.

MATERIAL: SMALL QUANTITY, COARSEWARE, SOME BLACK GLAZE AND GRAY WARE, POSSIBLE IMITATION ARRETINE-TYPE SHEERDS, BONE Pz-78-494B

FEATURES: NONE.

II. L^{1-5,-6} Level 2, BATT. 5 SOUTHERN STRIP (NOTEBOOK # II, pp. 78-79) Pz-78-504PL

Soil: Unchanged from previous batt., although there was an increase in streaks of the red colored sand common on the site.

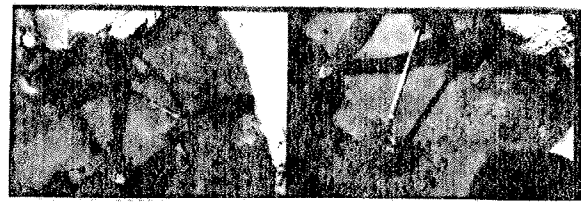
MATERIAL: FEW FINDS - COARSEWARE, SOME BLACK GLAZE, POSSIBLE IMITATION ARRETINE-TYPE WARE, BONE

FEATURES: NONE.

M¹⁻⁵ Group of Blocks UNCOVERED in 1977.



M¹⁻⁶ Cleaning around blocks and large N-S wall



FLOODING OF AREA

M^{1-6, -7} WORK IN PROGRESS



UPPER AREA : M^{1-6, -7} Level 3, BATT. 1
LOWER AREA : Cleaning operation in M¹⁻⁶.

III. L^{1-5,-6} Level 2, BATT. 6 Southern Strip (NOTEBOOK #II, pp. 77-80) P2-78-505PL

Soil: Unchanged, streaks of red sand and small stones still present in matrix.

MATERIAL: FEW FINDS - COARSEWARE WITH SOME BLACK GLAZE SHERDS.

FEATURES: NONE; SOME TILE FRAGMENTS SCATTERED THROUGHOUT MATRIX.

IV. M^{1-5,-6} Cleaning around blocks and walls P2-78-506 PL
(NOTEBOOK #II, pp. 77-79)

Cleaning around blocks uncovered in 1977 which had been further exposed by erosion. This operation was preparatory to further excavation in this area. These blocks would later prove to make up the well.

MATERIAL: VARIOUS COARSEWARE AND BLACK GLAZE SHERDS. NOTABLE FINDS: BRONZE RING, TERRA SIGILLATA ~~WALL~~ FRAGMENT WITH FINE RAISED DESIGN WHICH FORMS EROTIC SCENE (SEE NOTEBK #II p. 77 for sketch), STATUETTE FRAGMENTS, LARGE IRON NAIL P2-78-508M, 509P, 507T, 510M.

V. M¹⁻⁶ Cleaning around blocks and large N-S wall (NOTEBOOK #II, pp. 78-79) P2-78-511 PL

Cleaning out erosion fill from the level of the continuation of the large conglomerate block wall running north-south.

MATERIAL: COARSEWARE AND BLACK GLAZE SHERDS WITH SOME STATUETTE FRAGMENTS
P2-78-512T

FEATURES: NEW OUTLET FOR SPRING DISCOVERED IN NORTH PORTION OF AREA, SQUARE TOTALLY FLOODED.

VI. M^{1-6,-7} Level 3, BATT. 1 (NOTEBOOK #II, p. 79) P2-78-513PL

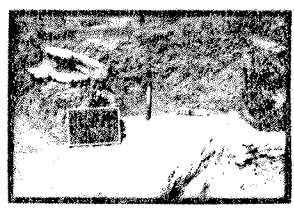
The bulldozer brought this area down to the level equal to the first tile concentration, therefore this level is designated Level 3, Batt. 1 - the AREA OF THE first tile concentration.

Soil: Dark gray clay with white concretions, streaks of red sand, and other sand & gravel in matrix, Mun. 10 YR 4/1 moist.

MATERIAL: COARSEWARE AND GRAYWARE SHERDS, TWO CIRCULAR LOOMWEIGHTS, ^{STATUETTE} FRAGMENT
NUMEROUS BONE FRAGMENTS, BRONZE AS OF CALIGULA WITH OBYERSE INSCRIPTION
PRESERVED: CAESAR AUG GERMANICUS, PON M TR POT. P2-78-514 B, 515 P,
516 T, 517 M

NOTE SEE NOTEBOOK #II, p. 178 [↑] FOR ACTUAL STRATIGRAPHIC LEVELS IN
L1-5, -6 AND THE LEVEL OF THE FIND SPOT OF THE COIN IN M1-6.

M1-5 LARGE BLOCKS BEFORE REMOVAL



JULY 13, 1978 (NOTEBOOK # III, pp. 81-85)

11.

AREAS UNDER EXCAVATION:

- I. M¹⁻⁵ Clearing of dirt below large blocks at the west end of the square
- II. M¹⁻⁵ Level 3, BATT. A Area of gravel layer
- III. M¹⁻⁵ Level 3, BATT. 1
- IV. M¹⁻⁵ Level 3, BATT. 2
- V. M^{1-6, -7, -8} Level 3, BATT. 1
- VI. M^{1-6, -7, -8} Level 3, BATT. 2
- VII. M^{1-6, -7, -8} Level 3, BATT. 3

I. M¹⁻⁵ Clearing of dirt below large blocks @ the west end of the square (NOTEBOOK # III, p. 81)
PZ-78-518PL

Two large blocks at the west end of the square where were uncovered in 1977 were removed. Soil which had been supporting these blocks was then removed. High density of gravel observed by Prof. Carter north of these blocks where a flow of water backed up against them (probably during a flood).

MATERIAL: COARSEWARE AND BLACK GLAZE; STATUETTE FRAGMENTS INCLUDING A TARENTINE-TYPE MALE HEAD; PIECE OF METAL PZ-78-519M, 520T

II. M¹⁻⁵ Level 3, BATT. A Area of gravel layer (NOTEBOOK # III, p. 81) PZ-78-526PL

Level 3 designated as the area below the first tile concentration and the gravel layer associated with it. Depth of level 3 varies throughout the square. The eastern 0.60-0.70m. of the square was ~~to~~ right at the surface of the gravel layer and was designated batt. A; the rest of the square was below the gravel layer and was designated batt. 1.

For full discussion see notebook # III, p. 81.

Soil: Gravel; batt. located in alluvial gravel layer.

MATERIAL: Relatively high quantity of finds; majority coarseware, some black glaze. Statuette fragments, piece of iron, a grayware sherd, terracotta revetment fragment see notebk # III, p. 81 for sketch. PZ-78-521T, 522M, 523T

FEATURES: NONE.

M¹⁻⁵ Level 3, BATT. 1



M¹⁻⁵ Level 3, BATT. 2



TROWELING OF VOTIVE DEPOSIT

[Faint, mostly illegible handwritten notes on lined paper, likely describing the archaeological findings and the process of troweling.]

M¹⁻⁵ Level 3, BATT. 1 (NOTEBOOK #III, p. 82) PZ-78-524PL

13.

Soil: Grayish-brown clay, Mun. 2.5Y 5/2 moist, with streaks of red sand and other sand present in matrix.

MATERIAL: COARSEWARE AND BLACK GLAZE SHERDS, NUMEROUS STATUETTE FRAGMENTS, complete black glaze bowl PZ-78-525T, 527P, 528T

FEATURES: Lower courses to the group of stones and tiles uncovered in 1977 were revealed by this batt. No doubt now that this was constructed by man and not just a fall.

M¹⁵ Level 3, BATT. 2 (NOTEBOOK #III, pp. 83-85) PZ-78-533PL

Soil: Changed from previous batts, very high concentration of sand in the clay matrix, Mun. 10YR 5/2 grayish brown - 5/3 brown moist. This sandy soil present mainly in NW corner of area. As work proceeds eastward from the NW corner the clay content in the soil increases with streaks of red sand present, Mun. 2.5Y 5/2 grayish-brown moist.

MATERIAL: COARSEWARE AND BLACK GLAZE SHERD; FINE BLACK GLAZE LID, MANY LARGE STATUETTE FRAGMENTS, see III, p. 84, VOTIVE VESSELS, FRAGMENT OF GORGON ANTEFIX, see III p 83 for sketch PZ-78-536T, 537T, 538T, 539T, 534B MUD BRICK FRAGMENTS PZ-78-540SS

FEATURES: VOTIVE DEPOSIT CONSISTING OF THREE VOTIVE CUPS UNDER A FLAT STONE 1.25m. from the west end of the area and 1.40m from the north.

M^{1-6, -7, -8} Level 3, BATT. 1 (NOTEBOOK #III, pp. 82-83) PZ-78-529PL (2 bags)

Soil: Unchanged, see above p. 7.

MATERIAL: All coarseware (many thick walled sherds) except for one black glaze sherd. Numerous tile fragments. PZ-78-530B, 531T, 532T.

FEATURES: NONE; AREA UNDER EXCAVATION BOUNDED BY AREA OF OLD IRRIGATION CANAL, THE LONG BULK ON THE N-AXIS, AND THE 1977 SOUNDING IN M¹⁻⁶.

NOTE THERE ^{WAS} A STRIKING DIFFERENCE IN THE SOIL AND MATERIAL OF M¹⁻⁵ AND M^{1-6, -7, -8}, SEE III, p. 82*.

M¹-6-7-8 Level 3, BATT. 2



WORK IN PROGRESS

M¹-6,-7,-8 Level 3 BATT. 2 (NOTEBOOK #III, pp. 84-85) Pz-78-541 PL 15.

: Unchanged in texture and appearance from batt. 1. Supervisor obtained slightly different Munsell reading for this batt., 10YR 4/2 moist dark wish blown. Change in Munsell due to subtle soil change or more likely lack of consistency in the supervisor's perception of color.

IAL: Predominately coarseware with ~~some~~ some black glaze and grayware weds, Aretine type sherd, bone Pz-78-542B

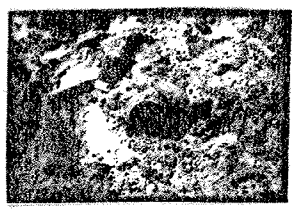
RES: ~~ONE~~ ONE LARGE STONE OR BLOCK AT BOTTOM OF BATT; Stone and tile concentration beginning 0.80m. from the west end of M¹-7.

M¹-6,-7,-8 Level 3, BATT. 3 (NOTEBOOK #III, p. 85)

inary work done before completion of batt. 2, see below p.

SEE III, p. 85 FOR ACTUAL STRATIGRAPHIC LEVELS IN M¹-5. SEE III, p. 84 FOR ACTUAL STRATIGRAPHIC LEVELS IN M¹-5 AND M¹-6,-7,-8.

M¹⁻⁵ Level 3, B.A. 4



FRAGMENTARY BASES IN SITU

17.
JULY 14, 1978 (NOTEBOOK #III, pp. 86-89)

AREAS UNDER EXCAVATION:

I. M¹⁻⁵ Level 3, BATT. 3

I. M¹⁻⁵ Level 3, BATT. 4

I. M¹⁻⁶ EXCAVATION AND cleaning east of large blocks in M¹⁻⁵

I. M^{1-6, -7, -8} Level 3, BATT. 2

I. M^{1-6, -7, -8} Level 3, BATT. 3

I. M¹⁻⁵ Level 3, BATT. 3 (NOTEBOOK #III, pp. 86-87) PZ-78-553PL

Soil: Remains grayish brown, Mun. 2.5Y 5/2 moist, clay with a very high sand content; some streaks of red sand and carbon lenses present. Highest sand content still in NW corner. Red sand presence higher in the SE corner. Prof. Carter noticed possible soil change indicative of 6th century channel, not as noticeable to supervisor.

MATERIAL: Predominately coarseware, some black glaze and painted sherds, many fragments of votive cups, intact votive cup, statuette fragments, 6th cent. rim type sherd PZ-78-554P, 555T, 556T, 557T

FEATURES: SEE ABOVE FOR POSSIBLE INDICATION OF CHANNEL DUE TO SOIL COLORATION.

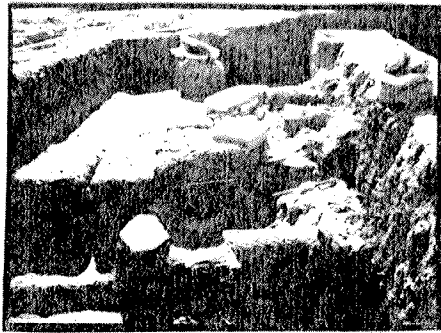
II. M¹⁻⁵ Level 3, BATT. 4 (NOTEBOOK #III, pp. 88-89) PZ-78-561PL

Soil: Unchanged; possible area of darker soil in center to correspond to Prof. Carter's channel, supervisor still doubtful.

MATERIAL: All kinds archae. Predominately coarseware, fragments of Ionic cups, a few statuette fragments, votive cup + votive cup fragments, bones, fragment of an aryballos, votive phiale, possible thymeterion fragment PZ-78-562T, 563B, 564T, 565P, 566SS, 567P, 568P, 569B, 570P, 571B, 572P See III. p. 89 for sketch of aryballos fragment.

FEATURES: Two bases probably from hydriae found together in SE corner of area, see III, p. 89 for sketch; NO NEW ARCHITECTURAL FEATURES EXCAVATION HAMPERED BY FLOODING OF AREA BY SPRING.

M¹-6 AREA OF "EXCAVATION AND CLEANING" OPERATION



M¹⁻⁶ EXCAVATION AND CLEANING EAST OF LARGE BLOCKS IN M¹⁻⁵ (NOTEBOOK #III pp. 86-7)

P2-78-558PL

Operation carried out by Prof. CARTER to clarify the area's stratigraphy,
For a full discussion of Prof. Carter's findings and theories see III p. 86.

Soil: Virgin soil layer, Hum. 10YR 5/4 moist yellowish-brown, which descends as it moves northward. Coarser dark grayish soil, Hum. 10YR 4/2 moist, which contained material lay above the virgin soil.

MATERIAL: COARSEWARE, BLACKGLAZE, SOME STATUETTE FRAGMENTS P2-78-559T

FEATURES: PHOTOS TAKEN OF THE EXPOSED STRATIGRAPHY.

M^{1-6, -7, -8} Level 3, BATT. 2 (NOTEBOOK #III, pp. 86-88) P2-78-543PL

Soil: Unchanged; many tile fragments in the layer.

MATERIAL: Predominately coarseware, some blackglaze, Arretine-type sherd with impressed line design, bones P2-78-544B, 545T.

FEATURES: SEE ABOVE, p. 15; WORK STOPPED 2.90m. from east end of M¹⁻⁸ due to dumper considerations.

M^{1-6, -7, -8} Level 3, BATT. 3 (NOTEBOOK #III, p. 88) P2-78-546PL

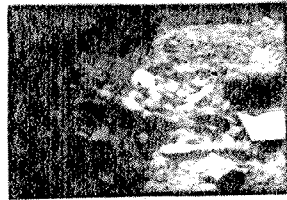
Soil: Unchanged.

MATERIAL: Predominately coarseware, some grayware and a few blackglaze sherds, upper fragment of satyr's head figurine found in M¹⁻⁶ nail, iron slag, Prof. Adamesteanu identified an antefix fragment P2-78-547B, 548M, 549B, 550M, 551T, 552T

FEATURES: Stone and tile concentration and conglomerate block noted in previous batt. were further exposed.

NOTE SEE III, pp. 87 + 89 for actual stratigraphic levels in M¹⁻⁵ AND M^{1-6, -7, -8}.

M¹⁻⁷ Level 3, Batt. 3



21.
July 17, 1978 (NOTEBOOK #III, pp. 90-93)

AREAS UNDER EXCAVATION:

- I. M¹⁻⁷ Level 3, BATT 3
- II. M^{1-6,-7} Level 3, BATT. 4
- III. M^{1-8,-9} Level 3 Clearing of Dumper RAMP
- IV. N^{1-8,-9} Level 3, BATT. 1 EAST SOUNDING
- V. N^{1-8,-9} Level 3, BATT. 2 EAST SOUNDING
- VI. N^{1-8,-9} Level 3, BATT. 3, EAST SOUNDING
- VII. N^{1-8,-9} Level 3, BATT. 4 EAST SOUNDING
- I. M¹⁻⁷ Level 3, BATT. 3 (NOTEBOOK #III, p. 90)

Tile and stone concentration and large block cleaned and photographed, see III, p. 90 for sketch.

- II. M^{1-6,-7} Level 3, BATT. 4 (NOTEBOOK #III, p. 92) Pz-78-575 PL (2 bags)

Soil: Slight change, dark gray clay, Hum. 54 4/1 moist, with small streaks of red sand. White concretions no longer present. Pebbles scattered through matrix in small amount. Numerous large stones and tile fragments

MATERIAL: COARSEWARE, LAMP SPOUT, BONE FRAGMENTS, Bent piece of ~~IRON~~ IRON with eyelets, see III, p. 92 for sketch Pz-78-576P, 577P, 578P, 579P, 580T, 581B, 582M.

FEATURES: STONE AND TILE CONCENTRATION FROM PREVIOUS BATT. REMOVED, BLOCK LEFT IN PLACE.

- III. M^{1-8,-9} Level 3 Clearing of Dumper RAMP (NOTEBOOK #III, p. 92) Pz-78-583 PL

■ RAMP REMOVED, ALL MATERIAL KEPT TOGETHER.

MATERIAL: FEW FINDS, COARSEWARE, A FEW BLACK GLAZE SHERDS, BONES, ONE SHERD OF ARRETINE-TYPE WARE, PYRAMIDAL LOOMWEIGHT Pz-78-584B

III. N^{1-8, -9} Level 3, BATT. 1 EAST SOUNDING (NOTEBOOK #III, pp. 90-91) Pz-78-585PL 23.

EXCAVATION BEGUN TO CLARIFY THE APPARENT WALL DISCOVERED IN NE CORNER OF N¹⁻⁸; SEE III p. 90 for a full discussion of the nature of the sounding, see III, p. 91 for a sketch.

Soil: Very dark grayish brown clay, Mun. 2.5Y 3/2 moist, with a few streaks of red sand and some traces of gravel in matrix.

MATERIAL: FEW FINDS, COARSEWARE, BONES, SMALL PYRAMIDAL LOOMWEIGHT Pz-78-586B

FEATURES: NONE.

IV. N^{1-8, -9} Level 3, BATT. 2 EAST SOUNDING (NOTEBOOK #III, p. 92) Pz-78-587PL

Soil: Unchanged

MATERIAL: Small quantity. Coarseware, some black glaze and gray ware, base of votive vessel with a knob base, bones Pz-78-588B

FEATURES: NONE.

I. N^{1-8, -9} Level 3, BATT. 3 EAST SOUNDING (NOTEBOOK #III, p. 93) Pz-78-589PL

Soil: Dark grayish brown clay, Mun. 2.5Y 4/2 moist, with a few small pebbles and virtually no red sand in the matrix.

MATERIAL: Relatively few finds; ~~but~~ more than half of sherds are black glaze and red figure sherds, head of nail Pz-78-590T, 591P, 592M.

FEATURES: NONE.

VII. N^{1-8, -9} Level 3, BATT. 4 EAST SOUNDING (NOTEBOOK #III, p. 93) Pz-78-593PL

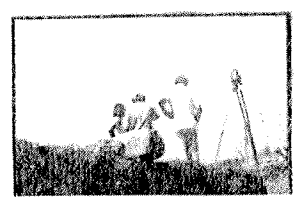
Soil: Unchanged.

MATERIAL: Few finds. Black glaze and red figure sherds in majority, two sherds from imitation Megarian bowl, bones. Pz-78-594B, 595P, 596P.

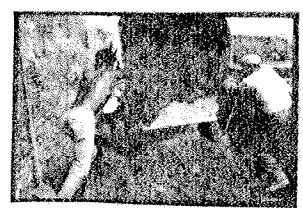
FEATURES: NONE

NOTE SEE III, p. 91 FOR ACTUAL STRATIGRAPHIC LEVELS IN N^{1-8, -9}

PROF. ADAMESTEANU'S VISIT TO THE SITE



M1-6-7 Level 3, Batt. 5



- THE STUCK DUMPER -

July 18, 1978 (NOTEBOOK #III, pp. 94-98) ^{25.}

AREAS UNDER EXCAVATION:

*II. M^{1-6,-7} Level 3, BATT. 5

I. M^{1-7,-8,-9} Level 3, BATT. 4

IIIA N^{1-8,-9} Level 3, BATT. 4 EAST SOUNDING

IIIB N^{1-8,-9} Level 3, BATT. 5 EAST SOUNDING

IV. N^{1-8,-9} Level 4, BATT. 1 EAST SOUNDING

V. N^{1-8,-9} Level 4, BATT. 2 EAST SOUNDING

I. M^{1-7,-8,-9} Level 3, BATT. 4 (NOTEBOOK #III, pp. 94-95) Pz-78-600PL

Soil: Unchanged; five wheelbarrow loads taken for water flotation.

MATERIAL: Few finds, coarseware, black glaze, grayware, two circular loomweights, iron slag lump, bones Pz-78-601T, 602B

FEATURES: NONE; SOME BRECCIA ALONG NORTH BULK - INTRUSION OF THE FILL OF THE OLD CANAL.

II. M^{1-6,-7} Level 3, BATT. 5 (NOTEBOOK #III, pp. 97-98) Pz-78-606PL (2 BAGS)

Soil: Dark grayish brown clay, Hum. 25% 4/2 moist, with very fine texture except along northern wall of sounding where the sand content increases. Stones and tile fragments scattered in matrix.

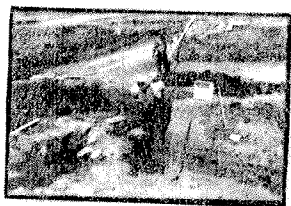
MATERIAL: Quite a bit of material, large coarseware sherds, some grayware, black glaze sherds, large fragment of unguentarium, one statuette fragment, bones Pz-78-607T, 608B, 609P.

FEATURES: A concentration of stones and tiles was uncovered along the western limit of the sounding which corresponded to the second tile concentration (Level 4). Bulk of material can be associated with this layer. The dumper became stuck in the clay up to the axles, its death throughs thoroughly chewed up the subsequent stratigraphy.

N^{1-8,-9} Level 3, BATT. 5 EAST SOUNDING



N^{1-8,-9} EAST SOUNDING - WORK IN PROGRESS



N^{1-8,-9} Level 4, BATT. 2 EAST SOUNDING



SHADOW WALL

27.
IIIA. N^{1-8,-9} Level 3, Batt. 4 East Sounding (NOTEBOOK #III, p. 94) PZ-78-597PL

COMPLETION OF WORK FROM PREVIOUS DAY, FOR SOIL AND FEATURES SEE ABOVE p. 23.

MATERIAL: COARSEWARE AND BLACK GLAZE, TERRACOTTA FLUTING-POSSIBLE LOUVERION
BASE FRAGMENT, RED-FIGURE SHERD, 6th cent. rim sherd. PZ-78-598P, 599T

IIIB. N^{1-8,-9} Level 3, Batt. 5 East Sounding (NOTEBOOK #III, pp. 94-96) PZ-78-603PL

Soil: Unchanged except for some patches of the dark gray clay, Mun. 7.5 N4/0
moist, as encountered earlier in this excavation.

MATERIAL: RELATIVELY FEW FINDS, PREDOMINATELY COARSEWARE, SOME BLACK GLAZE
AND GRAY WARE, SHERDS OF IMITATION MEGARIAN BOWLS PZ-78-605P

FEATURES: STONES ASSOCIATED WITH THE PAVEMENT OR WALL PREVIOUSLY EXCAVATED
IN THE NE CORNER OF N¹⁻⁸ WERE UNCOVERED AT THE BOTTOM OF THE BATT.
INTERESTING TO NOTE THAT THE FINDS OF SHERDS FROM IMITATION MEGARIAN
BOWLS HAVE BEEN CONCENTRATED IN THE NE CORNER OF N¹⁻⁷⁻⁸ REMAINS
OF SHADOW WALL OBSERVED BY PROF. CARTER IN THE BULK ALONG THE N-AXIS.
FOR A FULL DISCUSSION OF THE SHADOW WALL, PAVEMENT IN N¹⁻⁸ ETC.
SEE III, p. 96.

T. N^{1-8,-9} Level 4, Batt. 1 East Sounding (NOTEBOOK #III, p. 97) PZ-78-610PL

Soil: Very dark gray clay, Mun. 7.5YR N3/0, with some small stones and
white concretions scattered through the matrix.

MATERIAL: FEW FINDS. COARSEWARE AND BLACK GLAZE SHERDS, ONE 6th cent.
type rim sherd. PZ-78-611BS

FEATURES: Tile concentration not very heavy, level may even be
below the heavy tile concentration (Levels) which slopes up as
it moves to the east. NE area of square unworked due to
pavement, blocks, and shadow wall uncovered in previous batt.

T. N^{1-8,-9} Level 4, Batt. 2 East Sounding (NOTEBOOK #III, p. 98) PZ-78-612PL

Soil: Unchanged; an olive gray clay, Mun. 5Y 4/2-3/2 moist, of fine
texture appeared at the bottom of the batt. and parallel to the
shadow wall. Same type of clay as encountered earlier in this area.

MATERIAL: Very little - seven coarseware sherds and one black glaze
sherd. One large hunk of wood, bone fragment PZ-78-613B, 614SS

FEATURES: More of the shadow wall revealed in June was uncovered by the foreman. The shadow was over 2.0 m. in length.

NOTE SEE III pp. 94, 95, 96, 97 for actual stratigraphic levels in M¹-6, -7, -8, -9 AND N¹-8, -9.

M1-6-7 Level 3, Batt. 5



COMPLETE COVER TILE
IN SITU

JULY 19, 1978 (NOTEBOOK #III, pp. 99-101)

AREAS UNDER EXCAVATION:

- I. M^{1-6,-7} Level 3, BATT. 5
- II. M^{1-7,-8} Level 3, BATT. 5
- III. O¹⁻⁵ Clearing of 1977 EARTH BANK UNDER WELL POINT, BATT. 1
- IV. O¹⁻⁵ Clearing of 1977 EARTH BANK UNDER WELL POINT, BATT. 2
- V. O¹⁻⁶ Clearing of 1977 Wheel barrow ramp, BATT. 1
- VI. O¹⁻⁶ Clearing of 1977 Wheel barrow ramp, BATT. 2

I. M^{1-6,-7} Level 3, BATT. 5 (NOTEBOOK #III, pp. 99-100) Pz-78-615 PL

Soil: Unchanged

MATERIAL: Circular loomweight with impressed meander and wave pattern, see III p. 99 for sketch, pyramidal loomweight with impressed circle, see III, p. 99 for sketch, piece of fibula, see III, p. 99 for sketch, A COMPLETE COVER TILE SEE III p. 99 for location, lump of iron, coarseware, around a quarter of the lot was grayware, several black glaze sherds, bone Pz-78-614T, 616B, 617M, 618M, 619T, 620T

FEATURES: WORK VERY SLOW SINCE AREA WAS FILLED WITH WATER.

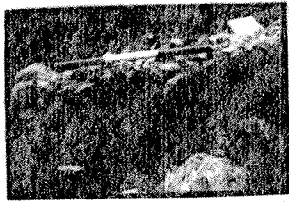
II. M^{1-7,-8} Level 3, BATT. 5 (NOTEBOOK #III, p. 100)

Soil: Unchanged.

MATERIAL: Very little, COARSEWARE WITH GRAYWARE AND BLACK GLAZE SHERDS PRESENT.

FEATURES: NONE. BATT. BEGUN LATE IN DAY AND NOT FINISHED. WORK HAMPERED BY WATER.

N¹-8 STRATIGRAPHY



III. 0'-5 Clearing of 1977 EARTH BANK UNDER WELL POINT, BATT. 1 Pz-78-624PL
(NOTEBOOK #III, p.100)

Operation removed earth bank used to support pump pipe in 1977 AND 1978.
Mix of material; coarseware, black glaze and a 6th cent. rim fragment.

IV. 0'-5 Clearing of 1977 EARTH BANK UNDER WELL POINT, BATT. 2 (NOTEBOOK #III, p.100)
Pz-78-625PL

Completion of above operation, material same mix as above batt.

V. 0'-6 Clearing of 1977 WHEELBARROW RAMP, BATT. 1 (NOTEBOOK #III, p.100) Pz-78-626PL

Removal of 1977 wheelbarrow ramp, little material; coarseware, black glaze, lump of iron slag.

VI. 0'-6 Clearing of 1977 wheelbarrow ramp, BATT. 2 (NOTEBOOK #III, p.100) Pz-78-627PL

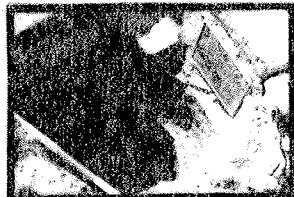
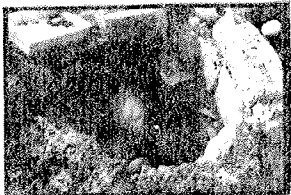
Completion of above operation, little material; same as above with addition of a couple of 6th cent. rim fragments and a mandible. 628B

NOTE SEE III, p.100 FOR ACTUAL STRATIGRAPHIC LEVELS IN H¹-6, -7

*NOTE SEE III, p.101 FOR AN IMPORTANT NOTE ON STRATIGRAPHY IN N¹-8

Observations on relation of plant layer to the pavement in N¹-8 AND THE CONGLOMERATE BLOCK. SEE III, p.101 FOR SKETCH, ALSO MANY PHOTOGRAPHS AT VARYING SETTINGS WERE TAKEN.
FLOTATION SAMPLE FROM LAYER OF PLANT MATERIAL Pz-78-698SS

M1-5 SOUNDING IN THE "SPRING HOUSE"



35.
JULY 20, 1978 (NOTEBOOK #III, pp. 102-105)

AREAS UNDER EXCAVATION:

- I. M¹⁻⁵ Level 3, BATT. 5
- II. M¹⁻⁵ SOUNDING ~~IN~~ INTERIOR OF "Spring House"
- III. M^{1-8,9} Level 3, BATT. 5
- IV. O¹⁻⁵ Level 5, BATT. 1 SOUTHWEST SOUNDING
- V. O¹⁻⁵ Level 5, BATT. 2 SOUTHWEST SOUNDING
- VI. O¹⁻⁶ Clearing of 1977 wheel-barrow RAMP, BATT. 2

I. M¹⁻⁵ Level 3, BATT. 5 (NOTEBOOK #III, pp. 104-105) Pz-78-636 PL

WORK STOPPED BY SUPERVISOR EARLIER IN WEEK DUE TO FLOODING OF AREA. PROF. CARTER DECIDED TO ATTEMPT TO TAKE LEVEL TO VIRGIN SOIL. DETERMINATION OF SOIL TYPE IMPOSSIBLE, SINCE WORK IS FOR ALL INTENTS AND PURPOSES UNDER WATER.

MATERIAL: FEW FINDS, COARSEWARE AND BLACK GLAZE SHERDS, INTACT VOTIVE CUP AND FRAGMENT OF VOTIVE CUP Pz-78-631T

FEATURES: NONE.

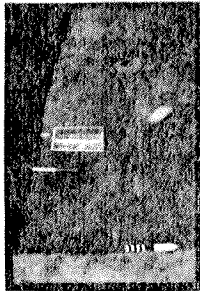
II. M¹⁻⁵ SOUNDING IN INTERIOR OF "Spring House" (NOTEBOOK #III, pp. 104-105) Pz-78-630 PL

Soil: Fine sandy dark grayish brown clay, Hum. 2.5% 4/2 moist. Many tile fragments in matrix.

MATERIAL: VERY FEW FINDS, AMPHORA BASE, FRAGMENT OF SMALL POSSIBLY VOTIVE VESSEL.

FEATURES: Operation to determine exact nature of structure identified by Prof. Carter as a "Spring House" AND possible well. Several large blocks removed from interior. Tile wall on east side of structure, stepping stone to the south worn down by much use. Structure clearly a well. See the architectural drawings of Mike Guarino to study nature of this structure both before and after excavation. MANY PHOTOS TAKEN.

M^{1-8,-9} Level 3, Batt. 5



[Faint, illegible handwritten notes on a grid background, likely bleed-through from the reverse side of the page.]

III. N¹-8,-9 Level 3, Batt. 5 (NOTEBOOK #III, pp. 103-104)

Soil: Unchanged.

MATERIAL: FEW FINDS, MOSTLY LARGE COARSEWARE SHERDS, SOME GRAYWARE AND BLACK GLAZE FRAGMENTS. POSSIBLE MILL STONE SEE III, p. 103 for sketch.

FEATURES: Appearance of shadow wall on floor of batt. corresponding to shadow wall previously noted in baulk. Shadow filled with yellowish brown sandy soil as opposed to the dark clay in the shadow wall in N¹-8,-9: indicative of the removal of the blocks at different periods. Water a problem all throughout batt. and has finally forced stoppage of work.

IV. O¹-5 Level 5, Batt. 1 Southwest Sounding (NOTEBOOK #III, pp. 103-104) Pz-78-634PL

Soil: GRAY STICKY CLAY, Mun. 5Y 5/1 moist, with some streaks of red sand; soil darkens to the west to a dark gray clay, Mun. 5Y 4/1 moist, of similar texture and composition.

MATERIAL: RELATIVELY HIGH QUANTITY, ARCHAIC IN CHARACTER - NUMEROUS FRAGMENTS of Ionic cups, Bone. Pz-78-623P, 635B.

FEATURES: AREA UNEXCAVATED IN 1977 due to presence of pump pipe and wheelbarrow ramp. AREA IS DIRECTLY SOUTH OF 6th cent. channel discovered by Prof. Carter in 1977. The sounding has a width of 0.45m, see III, p. 103 for sketch. SHALLOW BATT. 0.09-0.10m in depth.

V. O¹-5 Level 5 Batt. 2 Southwest Sounding (NOTEBOOK #III, p. 105) Pz-78-636PL

Soil: Some of the black stain identified last year by Prof. Carter as a 6th cent. channel has appeared along the northern 0.46-0.50m. of the sounding. The black stain is composed of a fine clay, Mun. 5YR 2.5/1 moist. Rest of area is a fine sticky gray clay, Mun. 5Y 5/1 moist, which was encountered before and is virgin.

MATERIAL: RELATIVELY HIGH NUMBER OF FINDS, ALL OF ARCHAIC DATE - MANY IONIC CUP SHERDS, BONE FRAGMENTS Pz-78-637B.

FEATURES: BLACK STAIN AS NOTED ABOVE. FLOODED BEFORE PHOTOS COULD BE TAKEN, BUT MIKE GUARINO PLOTTED IT ON THE SITE PLAN. SEE III, back of p. 105 for a very rough field sketch.

39.
VI. 0¹⁻⁶ Clearing of 1977 WHEEL BARROW RAMP, BATT. 2 (NOTEBOOK #III, p. 102) Pz-78-629H

Soil: Unchanged, not truly kept track of due to nature of operation.

MATERIAL: Very few finds, some small coarseware sherds and seven black glaze sherds.

FEATURES: WALL PERPENDICULAR TO THE LARGE NORTH-SOUTH CONGLOMERATE WALL WAS DISCOVERED. It had been lying under the supporting earth bank of the main pipe of the pump for the past two seasons. WALL COMPOSED OF VARIOUS LARGE STONES, BUT IT IS NOT MADE UP OF LARGE UNIFORM BLOCKS AS THE N-S WALL. SEVERAL LARGE TILE FRAGMENTS ASSOCIATED WITH THE WALL. A WIDTH OF C. 10.0 m. for the structure is indicated by this wall. FOR FULL DISCUSSION SEE III, p. 102.

NOTE SEE III, p. 105 FOR ACTUAL STRATIGRAPHIC LEVELS IN M^{1-8, -9} AND 0¹⁻⁵.

41.

JULY 21, 1978 (NOTEBOOK #III, pp. 106-109)

AREAS UNDER EXCAVATION:

- M¹⁻⁵ Sounding within "Spring House"
- M¹⁻⁵ Level 3, BATT. 5
- L¹⁻⁴ Level 3, BATT. 4 SOUNDING I
- L¹⁻⁴ Level 3, BATT. 5 SOUNDING I
- M^{1-3,-4} Level 3, BATT. 1 SOUNDING II.
- M^{1-3,-4} Level 3, BATT. 2 SOUNDING II.

M¹⁻⁵ SOUNDING WITHIN "SPRING HOUSE" (NOTEBOOK #III, p. 106) PZ-78-652PL

cleaning out of well completed.

MATERIAL: DISAPPOINTINGLY LITTLE FOR A WELL; 11 COARSEWARE SHEERDS INCLUDING ONE POSSIBLE HYDRIA HANDLE. SAMPLE IS COMPLETE DUE TO USE OF WATER SEPARATION.

FEATURES: BEAUTIFULLY PRESERVED TERRA COTTA CASSON LINING LOWER PORTION OF WELL. SEE PHOTOS AND ARCHITECTURAL DRAWINGS.

M¹⁻⁵ Level 3, BATT. 5 (NOTEBOOK #III, pp. 106-107) PZ-78-651PL

Soil: Impossible to adequately describe due to flooding.

MATERIAL: FEW FINDS BUT ALL ARCHAIC - IONIC CUP FRAGMENTS AND TWO BASE FRAGMENTS OF VOTIVE CUPS.

FEATURES: WALL COMPOSED OF LARGE FIELD STONES CORRESPONDING TO THE 6TH cent. water channel was uncovered. The wall extends south from the SW corner of the well. Two stones extending eastward may be part of a crosswall. A concentration of stones lies 2.0m. east of the wall, but it does not appear to be a wall. There is virgin soil to the west of the wall and to east of the stone concentration. See III, p. 107 for sketch.

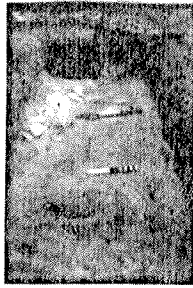
M¹⁻⁵ THE WELL



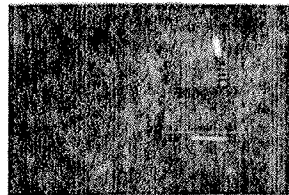
M¹⁻⁵ Level 3, Bar. 5



L¹⁻⁴ Level 3, BATT. 4 SOUNDING I



L¹⁻⁴ Level 3, BATT. 5 SOUNDING I



III. L¹⁻⁴ Level 3, BATT. 4 SOUNDING I (NOTEBOOK #III, p. 107) Pz-78-642PL

SOUNDING I: "Celeste's room." Boundaries - NORTH, WALL L'; EAST, WALL F'; WEST - WALL E'; SOUTH - CANAL.

DIMENSIONS: 2.8m. X 1.4m. X 2.8m. X 1.2m. with a 0.25 X 0.65m. extension in the SOUTHEAST CORNER.

First excavated this season on Saturday, July 8, see NOTEBOOK #IV, pp. 154-156, also see Prof. Carter's notes for Saturday, July 15.

Soil: Sandy grayish brown clay, Mun. 2.5% 5/2 moist, with a few pebbles and some streaks of red sand in matrix. Soil samples put through both water flotation and separation.

MATERIAL: COARSEWARE AND BLACK GLAZE SHERDS, INTACT UNGUENTARIUM see III, p. 107 for sketch, two sea shells, Pz-78-643P, 644T, 645P
78-646 B (miscatalogued under L¹⁻⁵)

FEATURES: SEVERAL LARGE TILE FRAGMENTS AND SOME STONES APPEARED AT THE BOTTOM OF THE BATT.

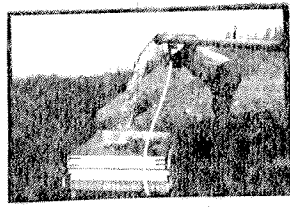
IV. L¹⁻⁴ Level 3, BATT. 5 SOUNDING I (NOTEBOOK #III, p. 108) Pz-78-647PL

Soil: Unchanged; Soil put through water flotation and separation Pz-78-649SS
647SS

MATERIAL: RELATIVELY FEW FINDS. COARSEWARE WITH SOME BLACK GLAZE SHERDS INCLUDING A LARGE PIECE OF A FINE SMALL PLATE. TWO POINTED METAL OBJECTS WHICH HAVE BEEN MISCATALOGUED UNDER L¹⁻⁵ Level 3, BATT. 5, see III, p. 108 FOR SKETCH Pz-78-648P, 650M

FEATURES: LINE OF TILES RUNNING NORTH-SOUTH WAS UNCOVERED IN WEST SECTION OF SOUNDING. A long course composed of stacked tiles with some stones, c. 0.28m. wide, and a less well preserved concentration to the west. Workers identified it as a water channel. See III, p. 108 for sketch, ALSO SEE LEVEL PLAN # VIII

PROF. CARTER OVERSEEING THE WATER SEPARATION PROCESS



I. M^{1-3, -4} Level 3, BATT. 1 SOUNDING II (NOTEBOOK #III, p. 109) PZ-78-638PL

SOUNDING II: BOUNDARIES, -NORTH-CANAL; EAST-WALL F; WEST-WALL E; SOUTH-WALL B'. DIMENSIONS: 2.85m. X 1.65m. X 2.8m. X 1.0m.

Soil: Sandy grayish brown clay, Mun. 2.5Y 5/2 moist, as in Sounding I. Carbon lenses scattered throughout the soil and associated with the tile fall at the top of the batt.

MATERIAL: PREDOMINATELY COARSEWARE INCLUDING A SMALL LID SEE III, p. 109 FOR SKETCH, some black glaze sherds, sea shell. PZ-78-639P, 640B

FEATURES: TILE FALL ON THE SURFACE OF MOST OF THE BATT.

I. M^{1-3, -4} Level 3, BATT. 2 SOUNDING II (NOTEBOOK #III, p. 109)

Soil: Unchanged, content of streaks of red sand noticeably higher.

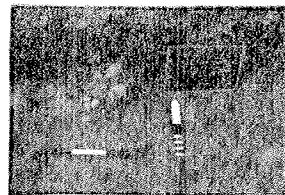
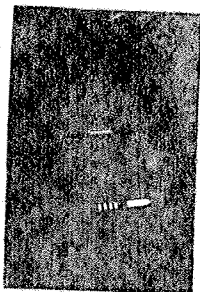
MATERIAL: BATT. BEGUN LATE IN DAY, NO FINDS UNCOVERED.

FEATURES: LITTLE PROGRESS MADE ON BATT. BEFORE END OF DAY.

NOTE SEE III, pp. 107, 108 FOR ACTUAL STRATIGRAPHIC LEVELS IN WELL AND SOUNDING I.

NOTE THIS WAS THE LAST DAY WITH A FULL WORK FORCE AND ALL BUT THREE WORKERS WERE ON INCORONATA SEARCHING FOR A TEMPLE. THE WORK OF THE LAST WEEK WAS DONE WITH ONLY THREE WORKERS.

M1-3, -4 Level 3, BATT. 4 SOUNDING II



JULY 24, 1978 (NOTEBOOK #III, pp. 110-112) 47.

AREAS UNDER EXCAVATION:

- 1. M^{1-3,-4} Level 3, BATT. 2 SOUNDING II
- 2. M^{1-3,-4} Level 3, BATT. 3 SOUNDING II
- 3. M^{1-3,-4} Level 3, BATT. 4 SOUNDING II
- 4. M^{1-3,-4} Level 3, BATT. 1 SOUNDING III.
- 5. M^{1-2,-3} Level 3, BATT. 4 SOUNDING IV.

6. M^{1-3,-4} Level 3, BATT. 2 SOUNDING II (NOTEBOOK #III, p. 110) P2-78-660PL

Soil: Unchanged, no tile fragments in matrix.

MATERIAL: Virtually no finds, a few small coarseware shords, sea shells, three possible lithics

FEATURES: NONE.

7. M^{1-3,-4} Level 3, BATT. 3 SOUNDING II (NOTEBOOK #III, p. 110) P2-78-662PL

Soil: Sandy brown clay, Mun. 7.5 YR 4/2 moist, with relatively high amount of red sand scattered throughout the matrix. Some carbon lenses in matrix.

MATERIAL: THREE LARGE TERRA COTTA FRAGMENTS EITHER FROM STORAGE VESSEL OR ROOF TILE.

FEATURES: NONE.

8. M^{1-3,-4} Level 3, BATT. 4 SOUNDING II (NOTEBOOK #III, p. 111) P2-78-667PL

Soil: Unchanged but texture increasingly more sandy, also increase in red sand.

MATERIAL: ONE COARSEWARE SHERD ASSOCIATED WITH GROUP OF STONES.

FEATURES: SMALL GROUP OF STONES ALONG NORTHERN EDGE OF SOUNDING. CULTURAL SIGNIFICANCE OF STONES, IF ANY, IS UNCERTAIN. SEE LEVEL PLAN #IX
WORK DISCONTINUED IN THE SOUNDING.

T. M^{1-3,-4} Level 3, BATT. 1 Sounding III (NOTEBOOK # III, p. 112) Pz-78-668PL

SOUNDING III: BOUNDARIES - NORTH-WALL 6'; EAST-WALL 6'; WEST-WALL 6'; SOUTH-BULK ON N'AXIS • DIMENSIONS: 3.70m X 1.10m. X 4.05m. X 2.65m.

SOIL: SAME SANDY GRAYISH BROWN CLAY, MUN. 2.5YR 5/2 MDIST, AS IN OTHER SOUNDINGS. NUMEROUS STREAKS OF RED SAND AND SOME CARBON LENSES PRESENT IN MATRIX.

MATERIAL: ESPECIALLY HIGH AMOUNT OF FINDS IN NORTHWEST CORNER OF SOUNDING. TWO PIECES OF LEAD, SMALL BADLY CORRODED BRONZE COIN, PROBABLY GREEK. BATT. UNFINISHED AT END OF DAY, MATERIAL COMBINED WITH FINDS FROM WORK OF FOLLOWING DAY Pz-78-641M, 669P, 670P, 671P.

FEATURES: NUMEROUS TILE FRAGMENTS IN MATRIX, HIGH NUMBER OF FINDS IN NORTHWEST CORNER. BATT. UNFINISHED

T. M^{1-2,-3} Level 3, BATT. 4 Sounding IV (NOTEBOOK # III, pp. 111-112) Pz-78-663PL

SOUNDING IV: BOUNDARIES - NORTH-WALL 6"; EAST-WALL 6"; WEST-WALL 6"; SOUTH-WALL A. DIMENSIONS: 2.15m. X 1.55m. X 2.15m. X 1.55m. WITH A SOUTHERN EXTENSION 1.55m. X 0.80m. X 1.55m. X 0.80m. FIRST EXCAVATED THIS SEASON ON SATURDAY, JULY 8, SEE NOTEBOOK # IV, pp. 156-158.

SOIL: SAME AS IN OTHER SOUNDINGS.

MATERIAL: VARIOUS SMALL COARSEWARE AND BLACK GLAZE SHERDS.

FEATURES: VERY SHALLOW BATT. PAVEMENT IN THE NORTHERN 1.15m - 1.30m. of the sounding. There was a circular depression, 0.30m. in diameter, located in the northeast corner of the pavement. PAVEMENT ASSOCIATED WITH THE WALLS AROUND THE SOUNDING. PAVEMENT DRAWN BY THE ARCHITECT AND PHOTOGRAPHED, ALSO SEE LEVEL PLAN # XI.

NOTE SEE # III, pp. 110, 111, FOR ACTUAL STRATIGRAPHIC LEVELS IN M^{1-3,-4} SOUNDING II.

51.

JULY 25, 1978 (NOTEBOOK #III, pp. 113-115)

AREAS UNDER EXCAVATION:

- M^{1-3,-4} Level 3, BATT. 1 SOUNDING III
- M^{1-3,-4} Level 3, BATT. 2 SOUNDING III
- M^{1-3,-4} Level 3, BATT. 1 SOUNDING III (NOTEBOOK #III, p. 113) PZ-78-668PL

Soil: Unchanged.

MATERIAL: COARSEWARE AND BLACK GLAZE SHERDS, THREE SMALL RIBBED GNATHIA-TYPE SHERDS (FINDS COMBINED WITH MATERIAL FROM PREVIOUS DAY, SEE ABOVE p. 49.) PZ-78-669P, 670P, 671P.

FEATURES: SMALL TILE COURSE UNCOVERED 1.10m. From the western edge of the sounding. It is 0.25m. in width and 1.35m. in length; it was lightly constructed and only one poorly preserved course survives. It could have supported very little weight. SEE LEVEL PLAN #X.

- M^{1-3,-4} Level 3, BATT. 2 SOUNDING III (NOTEBOOK #III, pp. 113-114) PZ-78-664PL

Soil: Same grayish brown clay as in other soundings, however there was a significant increase in the amount of red sand in the matrix. Carbon lenses present in the matrix. Also there was a brown-dark brown sandy clay, Mun. 7.5 YR 4/2 moist, in the north 0.70m. of the area west of the tile course. There was ~~black~~ red sand and lenses of black soil in this matrix. I have been identifying these lenses as carbon, but Leonardo identified them as remnants of decayed material.

MATERIAL: Very little material; notable finds: large black glaze neck fragment with palmette decoration, intact black glaze bowl (saltcellar) WHICH WAS FOUND IN AREA EAST OF TILE COURSE, SEE III, p. 113 For sketch PZ-78-665P, 666P.

FEATURES: STONES AND TILES SCATTERED THROUGHOUT LEVEL, THEIR LAYOUT INDICATES THAT THEY ARE PART OF A FILL AND NOT A PAVEMENT OR WALL. FOR FULL DISCUSSION SEE III, p. 114 ALSO SEE LEVEL PLAN #X

NOTE FOR ACTUAL STRATIGRAPHIC LEVELS IN SOUNDINGS III AND IV SEE III, pp. 113 & 115.

JULY 26, 1978 (NOTEBOOK #III, pp. 116-120)

AREAS UNDER EXCAVATION:

- I. M^{1-3,-4} Level 3, BATT. 2 SOUNDING III
- II. M^{1-2,-3} Level 4, BATT. 1 SOUNDING IV
- III. M^{1-2,-3} Level 4, BATT. 2 SOUNDING IV
- IV. M¹⁻² Level 3, BATT. 1 AND 2 SOUNDING V
- V. M¹⁻² Level 3, BATT. 3 SOUNDING V

I. M^{1-3,-4} Level 3, BATT. 2 SOUNDING III (NOTEBOOK #III, pp. 116+118) [REDACTED]

WORK COMPLETED ON BATT., PRIMARILY A CLEANUP OPERATION. NO NEW MATERIAL, SEE LEVEL PLAN #X WORK DISCONTINUED IN SOUNDING.

II. M^{1-2,-3} Level 4, BATT. 1 SOUNDING IV (NOTEBOOK #III, pp. 116+118) Pz-78-682PL

Level 4 designated as the area below the pavement found in this sounding.

Soil: SANDY GRAY-BROWN CLAY, HUM. & SY 5/2 moist, with many streaks of red sand in the matrix. See III, p. 116 for the workers' explanations of the red sand. Scatter of stones below the pavement which were naturally placed rather than by the hand of man.

MATERIAL: CLUMP OF BLACK GLAZE AND COARSEWARE SHERDS WAS FOUND IMMEDIATELY SOUTH OF THE DEPRESSION IN THE PAVEMENT AND BELOW THE LEVEL OF THE PAVEMENT. SOME OF SHERDS WERE CHARRED AND THERE WERE SOME CARBON LENSES IN THEIR VICINITY, Pz-78-685PL

OTHER MATERIAL: VARIOUS COARSEWARE AND BLACK GLAZE SHERDS, BONES INCLUDING POSSIBLE BULL HORN FRAGMENT, LOOMWEIGHT Pz-78-683T, 684B, 686PL.

FEATURES: REMOVAL OF PAVEMENT CONFIRMED ITS MAN-MADE NATURE INCLUDING THAT OF THE DEPRESSION. CLUMP OF CHARRED SHERDS SEE ABOVE

55.
III. M¹⁻²-3 Level 4, BATT. 2 SOUNDING IV (NOTEBOOK # III, p. 118) Pz-78-687PL

Soil: SAME AS PREVIOUS BATT. EXCEPT FOR A PATCH OF STRONG BROWN VERY SANDY CLAY, MUN. 7.5YR 5/6 moist, c. 0.70 X 0.50 m. in the NW corner of the area. Dark soil probably associated with the concentration of red sand noted earlier in this area.

MATERIAL: VIRTUALLY ALL, IF NOT ALL, THE FRAGMENTS OF A LEKANE PROBABLY OF ARCHAIC DATE, SEE III, p. 118 for sketch of rim configuration, FINDS PREDOMINATELY COARSEWARE WITH SOME BLACK GLAZE SHERDS, RIM FRAGMENT FROM 6TH cent. Ionic cup. Pz-78-688P

FEATURES: FIELD-STONE PAVEMENT WHICH IS A CONTINUATION OF THE 6TH cent. pavement to the south. PAVEMENT SLOPES TO THE NORTH, DISAPPEARS IN NW CORNER OF SOUNDING. FOR FULL DISCUSSION OF FIND SPOT OF FRAGMENTARY LEKANE SEE III, p. 118. SOME SHERDS AND SMALL TILE FRAGMENTS SCATTERED ON PAVEMENT. FOR CONFIGURATION OF PAVEMENT SEE SITE PLAN AND PHOTOS.

IV. M¹⁻² Level 3, BATT. 1 AND 2 SOUNDING V (NOTEBOOK # III, p. 119) Pz-78-680PL

SOUNDING V: BOUNDARIES - NORTH - TIP OF WALL 6; SOUTH - WALL A; EAST - SOUNDING IV. DIMENSIONS: 1.00 m. X 0.80 m. X 1.00 m. X 0.80 m. Small sounding directly to the west of and adjoining Sounding IV to determine further the extent of the pavement uncovered at the 6TH cent. level in Sounding IV.

Soil: GRAYISH BROWN SANDY CLAY WITH RED SAND PRESENT AS ENCOUNTERED BEFORE.

MATERIAL: VERY FEW FINDS, COARSEWARE AND BLACK GLAZE SHERDS, THIN FRAGMENTARY PIECE OF SERRATED BRONZE OR COPPER Pz-78-681M

FEATURES: NONE. FOR FULL DISCUSSION OF LEVEL DESIGNATION AND EXCAVATION SEE III, p. 119. BOTH BATT. WERE QUITE SHALLOW.

V. M¹⁻² Level 3, BATT. 3, SOUNDING VI (NOTEBOOK # III, p. 119) Pz-78-701PL

Soil: Unchanged except for a decrease in amount of red sand and stones in the matrix.

MATERIAL: BATT. INCOMPLETE, MATERIAL KEPT WITH FINDS FROM FOLLOWING DAY, SEE BELOW p. 59.

FEATURES: 6TH CENT. FIELDSTONE PAVEMENT REACHED.

NOTE FOR ACTUAL STRATIGRAPHIC LEVELS IN SOUNDING IV
SEE III, pp. 116 + 119.

NOTE III. p. 117 drawing and notation made by Prof. Dinu Adamesteanu during a visit to the site, also notes taken by supervisor after discussion with Prof. Adamesteanu.

59.

JULY 27, 1978 (NOTEBOOK #III, pp. 120-124)

AREAS UNDER EXCAVATION:

- I. M¹⁻² Level 3, BATT. 3, SOUNDING V
 - II. L¹⁻³ Level 3, BATT. 1, SOUNDING VI.
 - III. L¹⁻³ Level 3, BATT. 2 SOUNDING VI
 - IV. L¹⁻³ Level 3, BATT. 3 SOUNDING VI
 - V. L¹⁻³ Level 3, BATT. 1 SOUNDING VII
 - VI. N¹⁻⁷ Level 7, BATT. 1 SOUNDING VIII
 - VII. N¹⁻² TROWELING IN THE INTERIOR OF THE "BASIN"
 - VIII. N^{1-7, -8} Level 6, BATT. 1 Cleaning of pavement surface
 - IX. O^{1-7, -8} Level 6, BATT. 1 Cleaning of pavement surface.
 - X. O¹⁻⁷ Level 4, BATT. 2
- I. M¹⁻² Level 3, BATT. 3 SOUNDING V (NOTEBOOK #III, p. 120) P2-78-701 PL

Soil: Unchanged.

MATERIAL: LARGE RIM AND WALL FRAGMENT OF LEXANE, 6th cent. rim fragment found lying on the pavement.

FEATURES: 6th cent. Fieldstone pavement which slopes down to the west. STONES AND POTSHERDS SCATTERED ON PAVEMENT SURFACE. THE PAVEMENT IN SOUNDINGS IV AND V IS SLIGHTLY FINER IN TEXTURE THAN ~~the~~ pavement immediately to the south.
WORK DISCONTINUED IN THE SOUNDING.

II. L¹⁻³ Level 3, BATT. 1 Sounding VI (NOTEBOOK #III, p.121) P2-78-689PL

SOUNDING VI: BOUNDARIES: NORTH-WALL L⁰; EAST-WALL E; SOUTH-WALL D.
DIMENSIONS: 2.00 m. X 1.0 m. X 2.0 m. X 1.0 m.

SOIL: SAME GRAYISH BROWN SANDY CLAY. Little red sand present in matrix.

MATERIAL: VERY FEW FINDS, COARSEWARE AND BLACK GLAZE.

FEATURES: TILE FALL OF STRUCTURE THROUGHOUT THIS LEVEL, SEVERAL LARGE STONES ALSO PRESENT IN FALL.

III. L¹⁻³ Level 3, BATT. 2 Sounding VI (NOTEBOOK #III, p.121) P2-78-690PL

Soil: Unchanged.

MATERIAL: GREATER QUANTITY AS WORK NEARED FLOOR. IN SE CORNER (0.25m from eastern end and 0.25m from southern end of sounding) there were several fragments of a coarseware vessel, fragmentary black glaze saltcellar, oblate and circular loomweights, various coarseware and black glaze sherds P2-78-691T, 692P, 693P

FEATURES: NONE.

IV. L¹⁻³ Level 3, BATT. 3 Sounding VI (NOTEBOOK #III, p.122) P2-78-696 PL

Soil: Unchanged.

MATERIAL: COARSEWARE AND BLACK GLAZE SHERDS; FRAGMENTARY BLACK GLAZE BOWL, MINIATURE BLACK GLAZE BOWL-^{TOY} OR VOTIVE?, see III, p.122 for sketch, legs from a seated votive plaque see III, p.122 for sketch P2-78-697B, 698P, 699T, 700P

FEATURES: LEVEL OF SMALL STONES OF INCONSISTENT DENSITY AND DECREASING DENSITY TO THE NORTH APPEARED AT BOTTOM OF BATT. AT FIRST THOUGHT TO BE A POSSIBLE FLOOR, BUT THE MIXTURE OF MATERIAL WITH THE STONES POINTED TO ITS IDENTIFICATION AS A FALL.

V. L¹⁻³ Level 3, BAIT. 1 Sounding VII (NOTEBOOK #III, p. 123) P2-78-702 PL

SOUNDING VII: BOUNDARIES — NORTH-WALL L¹; WEST-WALL L¹; SOUTH-CANAL.
DIMENSIONS: 2.0 m. X 1.20 m. X 2.0 m. X 1.20 m.

Soil: The usual grayish brown sandy clay.

MATERIAL: FEW FINDS, COARSEWARE AND BLACK GLAZE SHERDS. SMALL CIRCULAR LOOMWEIGHT, 0.045 m. in diameter, identical to one found in Sounding VI, SMALL TERRA COTTA ARM WHICH PROBABLY GOES WITH LEGS FOUND IN SOUNDING VI. SEE III p. 123 FOR SKETCH. COULD FINDS IN SOUNDINGS VI AND VII BE TOYS AND INDICATIVE OF A CHILD'S PRESENCE? SEE III, p. 123. P2-78-703P, 704P, 705T, 706B
707T

FEATURES: SOME TILE FRAGMENTS AND SMALL STONES VISIBLE AT THE BOTTOM OF THE BAIT. SOUNDING DISCONTINUED DUE TO THE END OF THE SEASON.

VI. N¹⁻⁷ Level 7, BAIT. 1 Sounding VIII (NOTEBOOK #III, p. 123)

SOUNDING VIII: A 1.50 m. X 1.50 m. square located at the center of N¹⁻⁷ to determine if there were any features below the pavement. Level 7 designates the area below the pavement.

Soil: Fine olive gray clay, Mun. 5Y 5/2 MOIST₂ — VIRGIN SOIL

MATERIAL: NONE.

FEATURES: PAVEMENT ONE LAYER DEEP RESTING ON VIRGIN SOIL.

VII. N¹⁻² TROWELING IN THE INTERIOR OF THE "BASIN" (NOTEBOOK #III, p. 121) P2-78-694 PL

Although this area was worked on several times, Prof. Carter felt that added clarification was needed. The previous work in this area makes all finds suspect, i.e. a plastic bag from the 1977 season was found several centimeters down in the "basin" which exemplifies its disturbed state.

MATERIAL: A FEW SMALL SHERDS AND BONE FRAGMENTS. M. GUARINO FOUND SOME PLASTER FRAGMENTS WITH SPACES LEFT BY STRAW VISIBLE IN THE EDGES. P2-78-695 SS

FEATURES: SOME STONES WERE AT THE BOTTOM OF THE "BASIN", BUT THERE WAS NO CLEAR OUT FLOOR.

65.
P2-78-
713PL

VIII. N¹-7,-8 Level 6, BATT. 1 Cleaning of the pavement surface (NOTEBOOK #III, p. 123)

REMOVAL OF FINDS LEFT IN SITU FOR PHOTOGRAPHY. MATERIAL INCLUDED A SMELTING SPOUT AND A TERRA COTTA FRAGMENT IDENTIFIED BY PROF. ADAMESTEANU AS AN ANTEFIX SPOUT. P2-78-714B, 715T, 717P.

IX. O¹-7,-8 Level 6, BATT. 1 Cleaning of the pavement surface (NOTEBOOK #III, p. 124) P2-78-710PL

REMOVAL OF FINDS LEFT IN SITU FOR PHOTOGRAPHY. MOSTLY COARSEWARE, SOME FINEWARE, INTERESTING TILE FRAGMENTS FOUND IN ASSOCIATION WITH INSCRIBED BLOCK. P2-78-709T.

X. O¹-7 Level 4 BATT. 2 (NOTEBOOK #III, p. 124)

Spout tile fragment removed from bank P2-78-708T.

NOTE SEE III, pp. 120 + 123 FOR ACTUAL STRATIGRAPHIC LEVELS IN SOUNDINGS IV, V, VI, AND VII.

JULY 28, 1978 (NOTEBOOK #III, p. 124)

LAST DAY OF WORK - NO EXCAVATION

CLEANUP WORK, DRAWING OF SECTIONS, REMOVAL OF PUMP.

NOTE FOR THE NUMEROUS ACTUAL STRATIGRAPHIC LEVELS SIGHTED ON THE LAST DAY OF WORK, SEE THE WORKING SITE PLAN.

NOTE SEE III, p. 125 FOR A SUMMARY OF THE BOUNDARIES AND ~~LENGTHS~~ DIMENSIONS OF SOUNDINGS I-VIII.

Jack M. Engleit Jr.

April 10, 1978

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July 5, 1978

levels

- Stake N'-5 - 7.75
- " N'-6 - 7.57
- " N'-7 - 7.10

- Top of NS bank under N'-7 - 8.77
- Top of conglomerate rocks
running into EW bank in
N'-6 - 9.05

- Top of "atone basin" (east)
running into EW bank
in N'-5 - 9.11

- Stake M'-5 - 7.07

- Higher Part N-S bank near L'-S -5.90
- Bottom of bench just below -7.55
- Top of block in M'-S where it enters N-S bank -7.71
- Pebble layer in M'-S east face of N-S bank where it meets W bank (in S-W corner) -8.20
- The same where it runs into modern irrigation channel in M'-S -7.61
- The same, West face of bank at channel -7.51
- West face of bank at M'-S -8.09

- Furthest extension of EW wall at M'-4 top - 8.07

- Squared block at intersection of EW wall in M'-4 w/NS wall - 7.79

- NE corner of farmhouse in L'-4 - 7.04

- Pebble layer in West face NS bank to east of NE corner of farmhouse - 6.95

- Pebble layer in West face of NS bank, north side of channel. - 7.42

- Foundation of East wall of farmhouse where it is cut by north side of channel - 7.38

- Upper level of pebbles (level 3)
in south face of EW bank
in M'-4 just below (and to
west of) M'-5 -8.20
- Eastern wall of farmhouse in
M'-4 where it disappears under
NS bank in N'-4 -8.57
- Upper level of pebbles and tiles
just below N'-4 in south face
of EW bank -7.97
- Lower level of pebbles in south
face of EW bank in N'-3 -
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basin -8.48
- "Stone pavement" where it disappears
under EW bank in N'-3 beside
rectangular basin -8.70

- Stone pavement " just under level
of wall in N'-2. the southmost
wall. -7.49
- Stone pavement at level of wall
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- Pebble layer (pavement) in
bank under Staba P'-3 -9.01
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NS ~~of~~ Conglomerate wall
(large blocks) on O'-3 -8.97
- Pebble layer in NS under
wall just to west of Conglomerate
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associated with Conglomerate
wall. -8.87

- Top of conglomerate wall in
N'-1 - 8.93
- Top of conglomerate wall
in M'-1 - 8.49
- Upper layer of pebbles (level 3) in
in N'-5
- West face of NS bank by stake
P'-5 - 8.77
- lower layer of pebbles at
same point - 9.18

Upper layer of pebbles on
South face of EW bank in - 8.37
N'-5 below stake M'-5
(intersection of NS and EW banks)

Upper layer of pebbles in M'-6
just above point where NS bank
intersects with EW - 8.73

- Upper layer of pebbles in
in N'-6 above conglomerate
blocks where it enters
EW bank -8.60
- Lower level of pebbles.
above intersection of EW
and NS banks in N'-6 -9.19
- Lower level of tiles (level 4)
in west face of NS bank
at SE corner of cut in P'-6 -9.37
- Top of southernmost conglomerate
block in P'-5 -9.14
- Lower level of tiles and
pebbles in south face of cut
in P'-5 -9.11
- Top of westernmost limestone
block in wash in M'-5 -7.97

Pebble and tile layer in north
face of EW bank in M'-5
just below conglomerate
blocks in wash

-7.37

July 12, 1978

The winter rains and
some brushing by Jack yesterday
revealed two parallel brick
walls running in a NS direction
in M-5. They were cut
by the modern channel.

The western one appears
to finish at the south with
blocks of bayano and in
corner, which angles off
to the South East, with two
courses of bayano squared
stones.

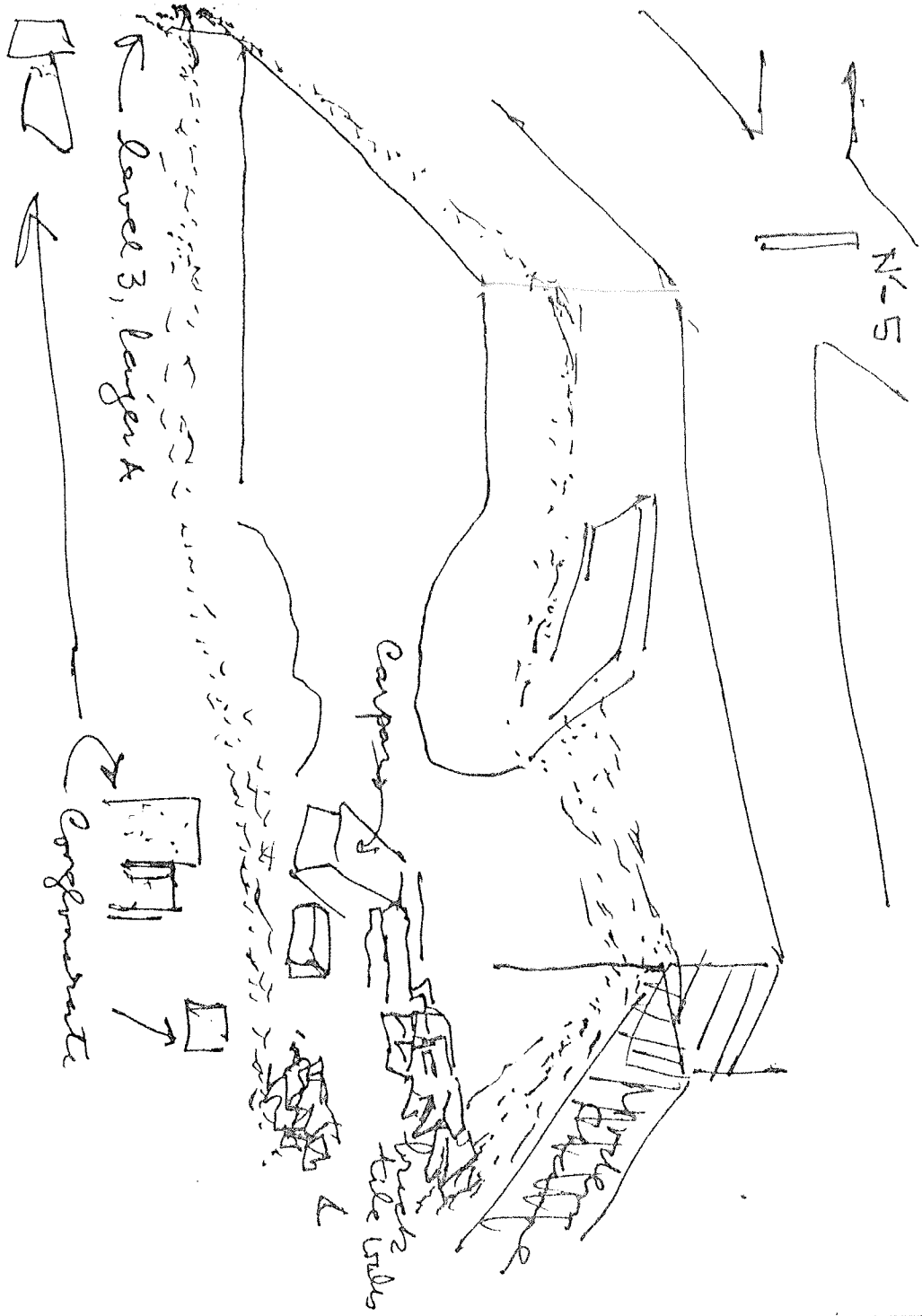
The eastern of the brick
walls rests on a layer
of gravel which is just above

a smaller conglomerate block to the north and two large ones lying side by side on end, under the line of the SE angle will mentioned above.

The layer of pebbles (which is visible in the cut which was made in 1977 to expose the northward of the line of conglomerate blocks in N - E etc) is the same layer as level 3 in the EW bulk.

The layer of pebbles clearly passes under the tile

It appears that the layer
of pebbles sloped downward
sharply from $N'-5$ to $N'-6$
and from $M'-5$ to $N'-5$



The larger 7 pillars can be traced also in the draft formed by the wooden channel in Mt. -5

It forms up to the level wall emerging perpendicular to the channel on the west side. (It is clearly higher the level of the wall on the eastern side.)

The two levels under seem to form a circular drain whose northern side was cut off by the channel (A large level pits in the middle)

At the beginning of level 3 in
M-6, a coin of early imperial
date was found. A fragment of
Aureus gold was found in the
excavation around the Atrium.

The pottery which is coming
out of the ground beneath the south
of the eastern kitchen wall is
Be and coarse. Does it suggest
lots of coins the tiles if which
the coin is constructed

There are four lessons: Orientation
Pan and cups. Plates are
top of each other like the walls
L'-4. There is the same
combination of squared blocks
of conglomerate, limestone, and
the cementation which is found in
the EM wall in M'-4

In L-5, we talk (see A-11)

The second layer is described
level 2 then is the evaluation
of (A). It divides in two,
the upper layer follows roughly the
slope of the land, the lower
is more or less horizontal. It
is just above the lower that the
five contact zones impaled with
atoms and mud were found. This
was a surface?, a pavement?

This lower level is designated as
4 on the section, and 3 in the
notebook. In the northern block,
up L1-5 there is a layer of relatively
graded fine sand between the two
layers of pebbles.
If we across the block,
in L1-4 the same horizontal
level of pebbles is found. It is 60 cm
below the level at point where lake
is cut by channel.

and it is 100 below 6 also opposite
The NE corner of the room in L-4.
The layer above will be below (20 cm)
The upper horizontal corner of the
the eastern wall of the room. It is
above a layer of the ~~old~~ new.

The sloping or upper layer of
spread, which also appears in the
western side of the bank, runs
at a level a few cm above the
sloping pressure base of the eastern
wall of the room.

The opening and horizontal length
join at the point where the
channel cuts the bed. The
lower, horizontal level should be
consolidated with the upper. In the
of the lower, the upper, and the
description

The lower horizontal level is
based on the $14' - 5'$, it appears
in the section for the ball but
upper seems to stop when the
lower emerges from ball section and

The gravel in level three runs
out in level in N^o-7. → The
gravel should be associated with the
faunifera?

The gravel layer in M^o-5 contains
fragments of such. I saw some S. Biegis
type. Below it was a more
developed Te level (July 13)

Layer of gravel (A) in North
face of EW wall in N'-4 is present
20-30 cm above the highest present
course of the wall in N'-4. The
one mixed in.

In the North face of EW wall in
N'-3 appears a level of pebbles
with no tiles. This is at level on
a little below of the foundation
courses in N'-4. I think the
low brick up with horizontal ~~stone~~
courses of pebbles in L'4, L'-5 etc. ?
Below it is another layer of

Sp. fossils in south face of ledge
in N¹-3 strata in part above true
fossiliferous part and associated with
the same horizon and was in N¹-3

The middle course of fossils

-The one associated with the fossiliferous
course of the "fundamental" in N¹-4
can perhaps be seen in N¹-2/N¹-3
part below the fossiliferous fossiliferous
course of the south wall of the
horizon in N¹-2. On top of it perhaps
occurs the EW wall to the south west of
fossiliferous fundamental

✓ would have the same length N
this is ~~on~~ the same length in ~~the~~ tree
basis noted originally in ~~the~~
1975 cut. It is essential ~~to~~
assess w with $\lambda (N-5)$

In $N'-3$, although, this length
of basis is interrupted in ~~some~~
free η EW order, in at least two
places. — To note η inside basis
in $N'-3$, and to avoid η tree
SE corner of the Roman $M'-2, M'-3$

in $M'-2$, the notation η true
for parallel AT is also
apparently associated with this space.
Length. The general length
disappears in eastern part of present
in figures $M'-1$, and further
east (cf. notes for 1975)

* It is to be seen if the
general length noted in present
space of EW back in $N'-3$, etc
is the same as the horizontal
distance η space in $L'-4$, etc.

It is likely that it is the same
as that seen in the Eastern
under. P'-3 (which is regarded
from the fieldstone pavement by a
layer of gray clay.

This likely the same as that
associated with the top of the
MS complement with a layer of
in O'-3.

It may be visible under
the in stack remains in O'4 which are
marked on line with the cones in N'-4

Is visible in the western part
of the NS level at P'5, which
is 25 cm above the fossiliferous?
This is on level 4. When traced
around out the EW level in N'-S, N'-6
level 4 follows and tiles. - Call
it (B) cross the ridge in N'-S N'-6
just above the top of the conglomerate
beds forming the retaining wall.
It is very faint in South and West
parts of the block is below N'-S
strip. This hardly visible
above the early 6th cent pool.

In the west base of the NS hall
there clean vertical strata 0'-5'
and can be seen as well below the
level of the SE corner of fieldstone
of room in N'-4. (40-50 cms), but
to right at level of lowest course
of foundation of ^{west} corner in N'-4
this corner is constructed of
fieldstone on a lowest course
with tiles above. Some large stones
some conglomerate irregularly seen

The upper level η pellets (A)
N'-4 covered the ~~lower~~ ~~highest~~
present since η wells.

* It is to be seen if the
course of pellets associated with
the gradation \rightarrow km is higher
corner, as the same as level Φ
in N'-5

Hypothesis (B) within
covers the tops of conglomerate
beds in N'-6 under Dills formation
A formation and associated structures
~~the lower B~~

Layer B is the parent of
pulses associated with the
Canada basin in N-3 and the
rest of local conglomerate beds
in N-3, O-3. When it was
apparent that these were reworked
in this ~~area~~ area after the deposition
and covering over of their original
~~position~~ position around the pool in
N-5-6, -7. (Note the reworked
well, negative Band 1978 in the
eastern side of pool at NE corner)

If the blocks were removed
from N'-7 it be removed in O'-3

If the structure in O'-3 is
to be associated with "garbage";
while had been in distance
use. Why were so many ~~removed~~
from found around these blocks in
1976. → Standard from of 5th-4th
cut date.
where

July 17, 1978

Discussing the stratigraphy of the area of the reservoir collecting basin, Jack and I agree that there is a discrepancy in the terminology used for areas N-6 and N-7. — that is from the area excavated in 1977 and that of this year.

In N-6, level 5 is that below the top of the wall of conglomerate blocks, in N-7 level 5 is designated as that of the massive concentration of tiles under the record

tile layer - level 4.

The E-W sounding made at the end of the 1977 season in N'-7 and N'-8 used designations of levels, on the starboard, which are consistent with those of 1978. So where we have to be careful then is in discussing the relative of N'-6 and N'-7

It seems clear to me that the heavy concentration of tiles, apparent in the EW balk in N'-7 and N'-8

which can be associated
with the layer of burned
wood which is clear
in the N-S walk dividing
N'-6 and N'-7. (and
which was also very
noticeable in the vicinity
of N'-6 must have been
associated with a
covering of the reservoir.

This thick concentration
of tiles ~~is~~ is
located along a line
running from N to S
more or less under the
stake N'-8

It can also be seen on
the ~~the~~ face of the
trench wall at the south
of the excavated area -
where it is very close to the
eastern extremity of the
stone paved area.

If this interpretation
is correct the pavement
had begun to fill up
~~with~~ with dark soil
- a sandy clay than that
found above, which revealed
many seeds, and much
fine material. - like the
roof ~~of~~ wooden structure

Journal.

Level 4 would then provide a TAQ for the reservoir. The material from level 5 is associated with the destruction and level 6 is contemporaneous with the last use of the reservoir.

It is possible that only the eastern part of the reservoir was roofed.

more observations on the presence of
quartz.

Gravel layer - level 3 in M-4 is
above the level of the presence
of the shale, but the western of the
two parallel walls is more or less
out the level. Did gravel enter
much Roman material? Roman
material found in level 3 in
M-7/M-8 a few days ago.

The tile wall in L-4 consists
with the floor which covered
All the material from under this
(excavated the previous two adventures
was Greek)

M'-3

Explain in 2 EW words in M'-4
which terms a given C order is
At a lower level of continuation
west of given. This emphasis is
is parallel to the EW word in the
western part of M'-3 and at
a lower level.
Since the two words are western
part is that in the file word meaning
NS, it can be concluded that the
EW word in M'-4 is perhaps a
conclusion period when the geologist
takes notes

July 9 - Potenza

Faloria Acavata n. 1

Metapontino (Paulucelli)

No. 13 Tarantini (2 ~~archaeologists~~
fontanari)

14 Indice

18 Schiavo

32 Sclero

37 Caronassino

58 Uggio

63 Puciano

71 Torusa

74 Murello

92 Duarte (Soprint.)

107 La Cava (Casa Pietra)
Soprint.

108 Carter

109 Carter

In Regens N' 4 there is
a very distinct layer of gravel
which forms a pavement. It
converges to level 4 (layer
B) in the N. S section along
N'-5. The corner shows
well A in N'-4 rises it. So
does the basin in N'-3

This layer of gravel extends
through the site in this area and
beyond, in connection with the

K-S conglomerate walls, V, ϕ
WLD A is aggregated. Log Standa
along 20-30 cm ϕ it in green,
Three distinct phases.

- 1) F alberndt
- 2) conglomerate
- 3) T.D.

The third phase ϕ the was
also of conglomerate intensity. This
phase should be subdivided.
The latter period was almost

exclusively tiles. The E-W codes
are more strongly linked and
make use of Conglomerate.

The N-E corner is very strongly
and finer. and deep. It is

possible that the ~~exclusively~~

of the NS codes in NW-4 Area
is labeled H is original, and N

The few traces remaining of NS
code in the first period of phase

3.

March 3

March 3

and NW corner

D' had note found at the level of the NW corner of the lot of 11-3

D''

L

S

again his note below
D and is separated from
it by a canyon of about
100 yds.

W²i wale 7 lies over wale
B' and D' which are nearly
one wale and a northward
containing N. N. and D'
about and are ~~of identical~~
construction.
E' runs under T and is
separated from it by a heavy
steel clay.

It is likely that λ is
related to the complement
parameter $N-3$ or 3 . It
also is associated with a
~~the~~ phase parameter which
is the same probably as that
in the case of $P_{1,3}$, $P_{2,3}$
etc.

σ'' , γ could be contemporary
belonging to period 1 of phase 3

5 will add, see out
hasn't done on wire 5

The reason that BM
will do Power 3, period A
are present, and just MS
is that they would have been
parallel to the face of the head

more words F and F' replaced
word H, when it was ~~replaced~~ partially
deleted on its initial and
end of word

Wise.

- A) 6th cent Pleure
- B) Remond Adel's: vstire TC's
assesser with vstire TC's
- C) Ties Architecture: Remond
on Adon with various blocks
Sleeping Stone. Prefect well
explained with "working" rules
This is below (this please C)
The length of space (A) in the
NS with the rest. But it

probably dipped so we can
see in the E W beds to the
west. It may be identical
with the layer of gravel which
obviously appears between the
Bris and Stone Mountain and
the layer between the
of newled beds (Plane B).
Layer A could very well
have been the surface in case

water last phase of the well.
Water would mean.

- 1) After the pump was sent out
of use
- 2) After period one of the pump was
sent out of use.

Disto? Leverage in one paper
" Distorsion "

Organized around functions

Speech in eastern side
Gutland - bases for projects?
Remember the ones in the Domesday

In trying to organize they are
different from houses, but
not to streets, the way modern
houses are. Cf. the relation
of Follon to Stefan and Leine.

Human imprint on the land

Reverend Madeline
Graham - Denver Nature

Madeline's call in Denver
of V. Thompson; in Earth
plants from Denise at PBS
Madeline's letter signed in 1988
from Travis

Cooking Preparation of

Please out air from chimney
inside windows during
the day. Turn fire early
into air.

Fuel on table.

Winter Storage on order.
Kunde opening.

Spring active? in building

Differentiated sizes
of the rooms
Quarters for specific
uses (Postas rooms
are mostly the same
size)

↳ Shape of band in north
in part: down to
bottoms of pithos in
level with the fall
(of Chersonesus)

→ Entrance from north
Sensible to have water

Close to entrance

Courtyard - frame

Thermal properties

Water supplies

Orientation on the
land

Zoning / Spaces (how
rooms are ad, size
determined)

Integrity to plan preserved
through phases

which implies it had
something worth
preserving.

Stefan. One's Dorey!

Lorenzo Costantini

Via Oghense 102 B

Tel. 577-9594

Area M'-1 Excavation PIZZICA - CANAL Level LEVEL 4, BATT. 1

1. Subject

2. Horizontal location

3. Vertical location, strat. position See below and field notes for actual levels

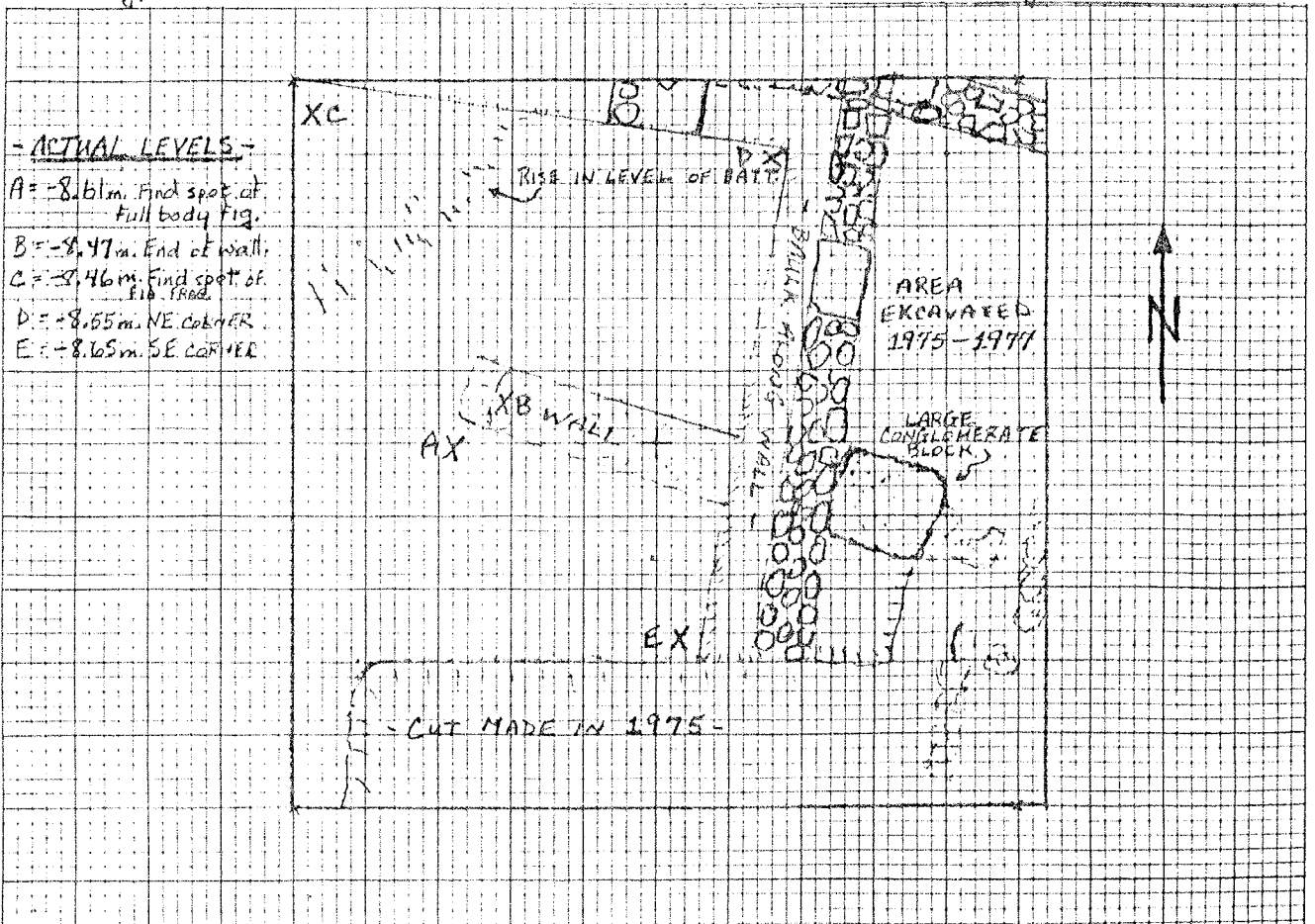
4. Dimensions 5.0 X 5.0 m.

5. Matrix GRAY CLAY w/ CONCRETIONS AND STREAKS OF RED SAND.

6. Associations LEVEL DETERMINED BY ITS ASSOCIATION WITH THE WALL FOUND IN THE SOUTHERN HALF OF THE SQUARE

7. Description, discussion, sketch Sketch may be slightly off, since triangulation was not used in the measurements. It is however a close representation.

MATERIAL north of wall was predominately 6th c., whereas material south of wall was a mix with some apparent 6th c. sherds along with 4th c. sherds incl. one rim frag. of ribbed Grothia-type ware. Both figurine fragments found were 6th c. types. See field notes for a full discussion of the designation of levels.



Scale 1 X 50 Title

Worked by, using

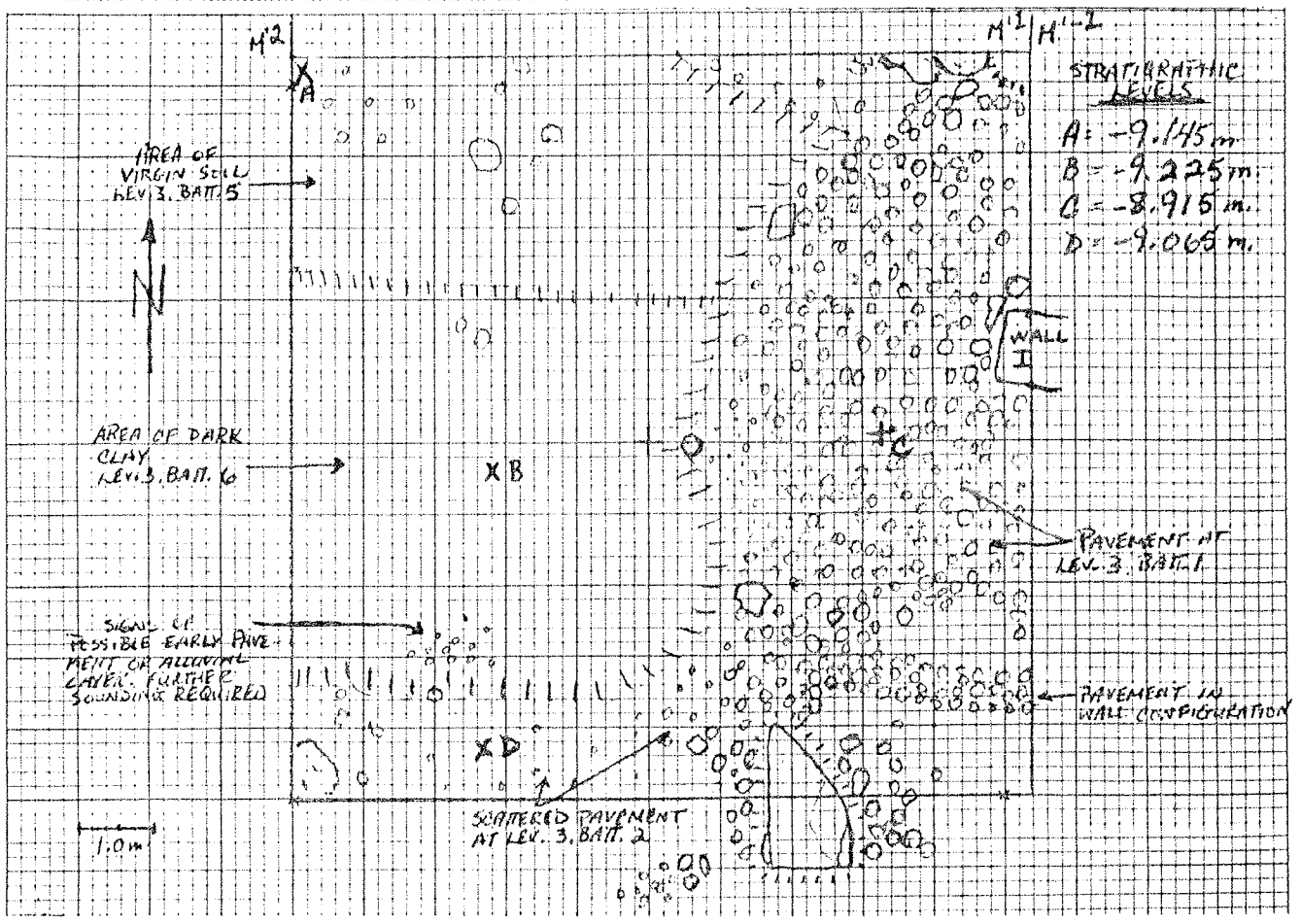
Disposal of specimens

Reference SEE NOTEBOOK # IV pp. 28-32.

Photos YES Recorded by JACK M. ENGAERT, JR. Date JUNE 16, 1978

Area M'1 Excavation Pizzica Level 3, Batt. 6

- 1. Subject.....
- 2. Horizontal location.....
- 3. Vertical location, strat. position See plan and field notebook.....
- 4. Dimensions 5.0 x 5.0m.....
- 5. Matrix GRAY CLAY OF VARYING COMPOSITIONS, SEE FIELD NOTE BOOK.....
- 6. Associations THE PAVEMENT OF THIS SQUARE IN APPEARANCE AND THE MATERIAL OF ITS LEVEL ARE 6th CENTURY.....
- 7. Description, discussion, sketch IN SOUTHEASTERN SECTION THERE IS A STRETCH OF PAVEMENT WHICH SEEMS TO BE A WALL, HOWEVER ITS RELATIONSHIP TO THE REST OF THE PAVEMENT MAKES THIS DOUBTFUL. NOTE THE ROCKS OF PAVEMENT AT LOWEST LEVEL, THESE REQUIRE A FURTHER SOUNDING, SEE FIELD NOTES.....



Scale 1:50 Title.....

Worked by, using ITALIAN WORKMEN WITH PICK AND TROWEL; SUPERVISOR TROWELD SOME OF PAVEMENT

Disposal of specimens BOXES

Reference SEE NOTEBOOK # IV pp. 66-68

Photos YES Recorded by SICK M. ENGLERT JR Date JUNE 29, 1978

Area L'1 Excavation PIZZICA - CANAL Level LEVEL 1, batt. 6
NORTH OF IRRIGATION CANAL
1. Subject At top of LEVEL 2
South of IRRIGATION CANAL

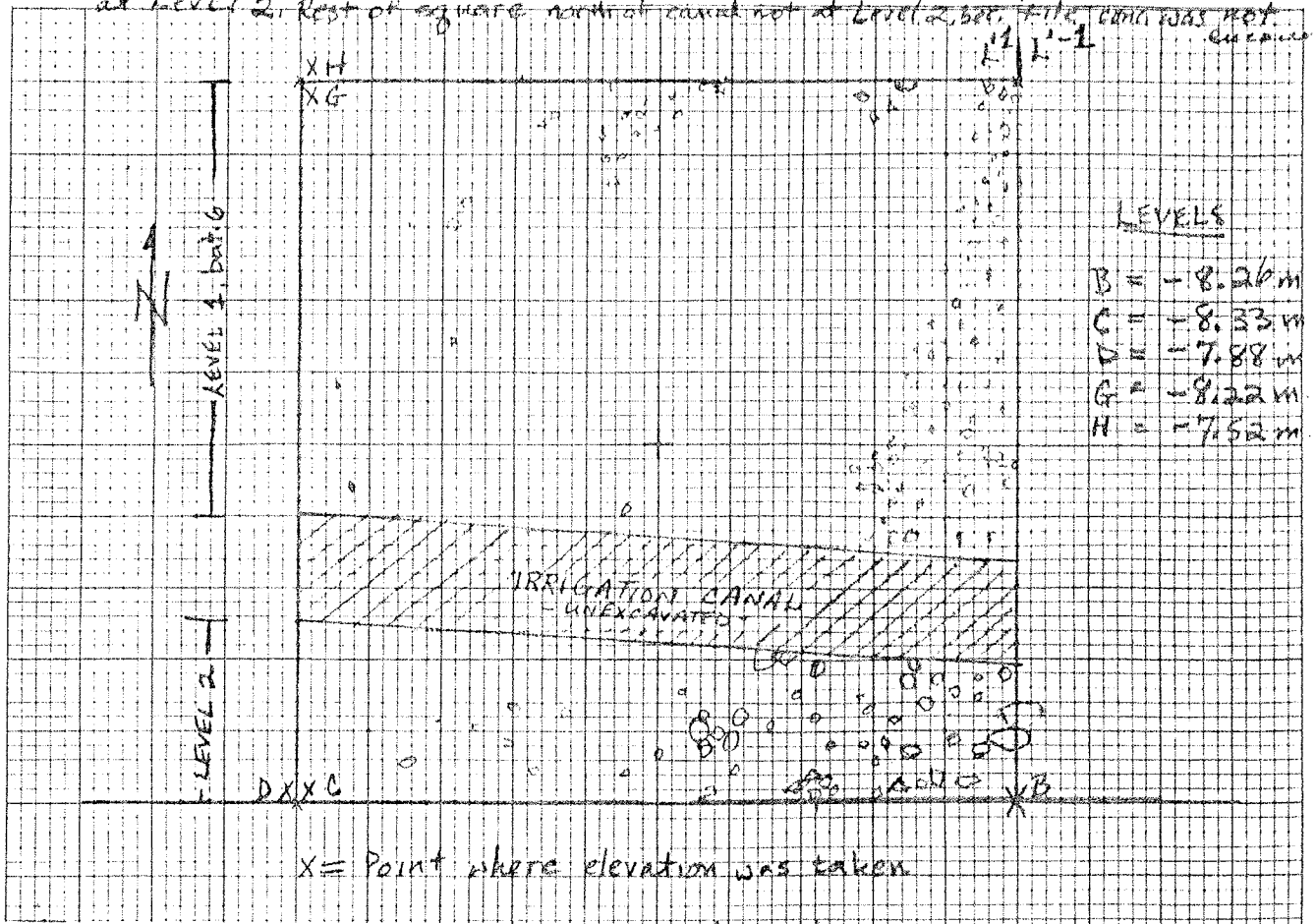
2. Horizontal location.....
3. Vertical location, strat. position See below for actual levels.

4. Dimensions 5.0 m X 5.0 m.

5. Matrix GRAY SANDY SOIL

6. Associations Roman pottery; continuation of Roman tile + stone deposit present in M'4; Possible assoc. w/ NORTH-SOUTH trench dumping area.

7. Description, discussion, sketch In east half of square can be seen the continuation of the Roman deposit of stones and tiles which runs NORTHEAST from M'4 through L'1 + M'3 and into L'2. Pottery in level 1, batt. 6 (North of irrigation canal) included frags. of imitation terca sigillata. Area south of canal is at level 2 because it is at the level of the tile conc. in 1 conc. of tile + stones on east side of trench north of the canal are also at level 2. Rest of square north of canal not at level 2, but tile conc. was not excavated.



Scale 1/50 (Note sqs. on graph are incorrect - I used them for scale). Title.....
Worked by, using JACK M. ENGLERT, JR.; USING HASSE
Disposal of specimens.....
Reference SEE NOTE-BOOK # IV, p. 24
Photos..... Recorded by JACK M. ENGLERT, JR. Date JUNE 15, 1978

Area M¹-1 Excavation PIZZICHA Level 4, BATT. 6

1. Subject

2. Horizontal location

3. Vertical location, strat. position. SEE PLAN AND FIELD NOTES.

4. Dimensions 5.0 m. X 5.0 m.

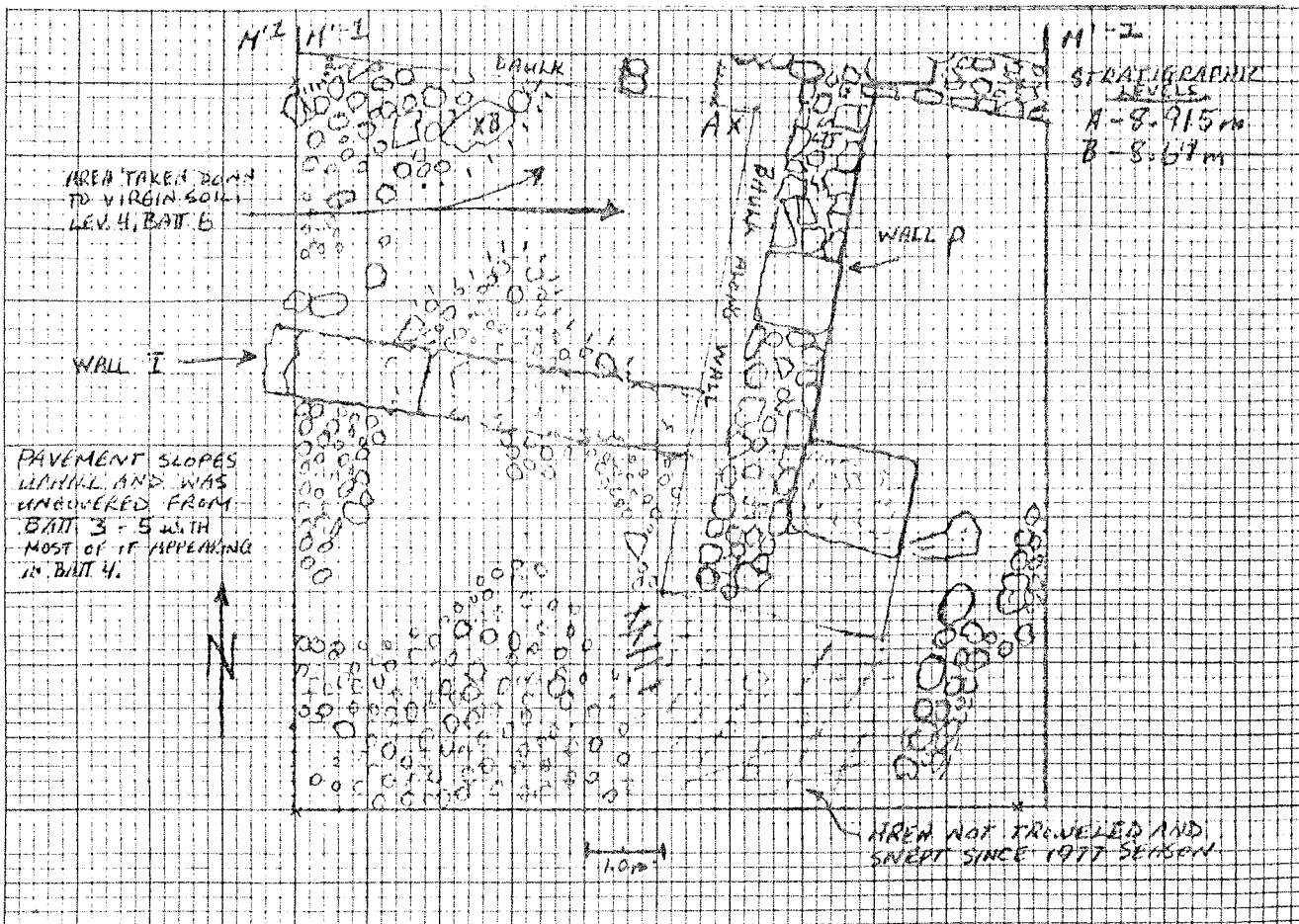
5. Matrix GRAY CLAY OF VARYING CONSISTENCIES, SEE FIELD NOTE BOOK.

6. Associations THE PAVEMENT ON BASIS OF ITS APPEARANCE AND THE MATERIAL ASSOC. WITH IT IS 6th C.

WALL I IS ABOVE THE PAVEMENT AND NOT LINKED WITH IT. WALL P & THE EASTERN THIRD OF THE SQUARE WERE EXCAVATED IN 1970 AND REEXAMINED IN 1977.

7. Description, discussion, sketch

PAVEMENT IS CONTINUATION OF 6th century pavement to south. Much 6th c. pottery and some figurines found associated with it. Wall I is later in date than the 6th apparently, since it lies above the pavement. However the material associated with it was preponderately of 6th c. date.



Scale 1:50 Title

Worked by, using ITALIAN WORKMEN USING PICKS AND TROWELS, SUPERVISOR DID SOME OF THE TROWEL

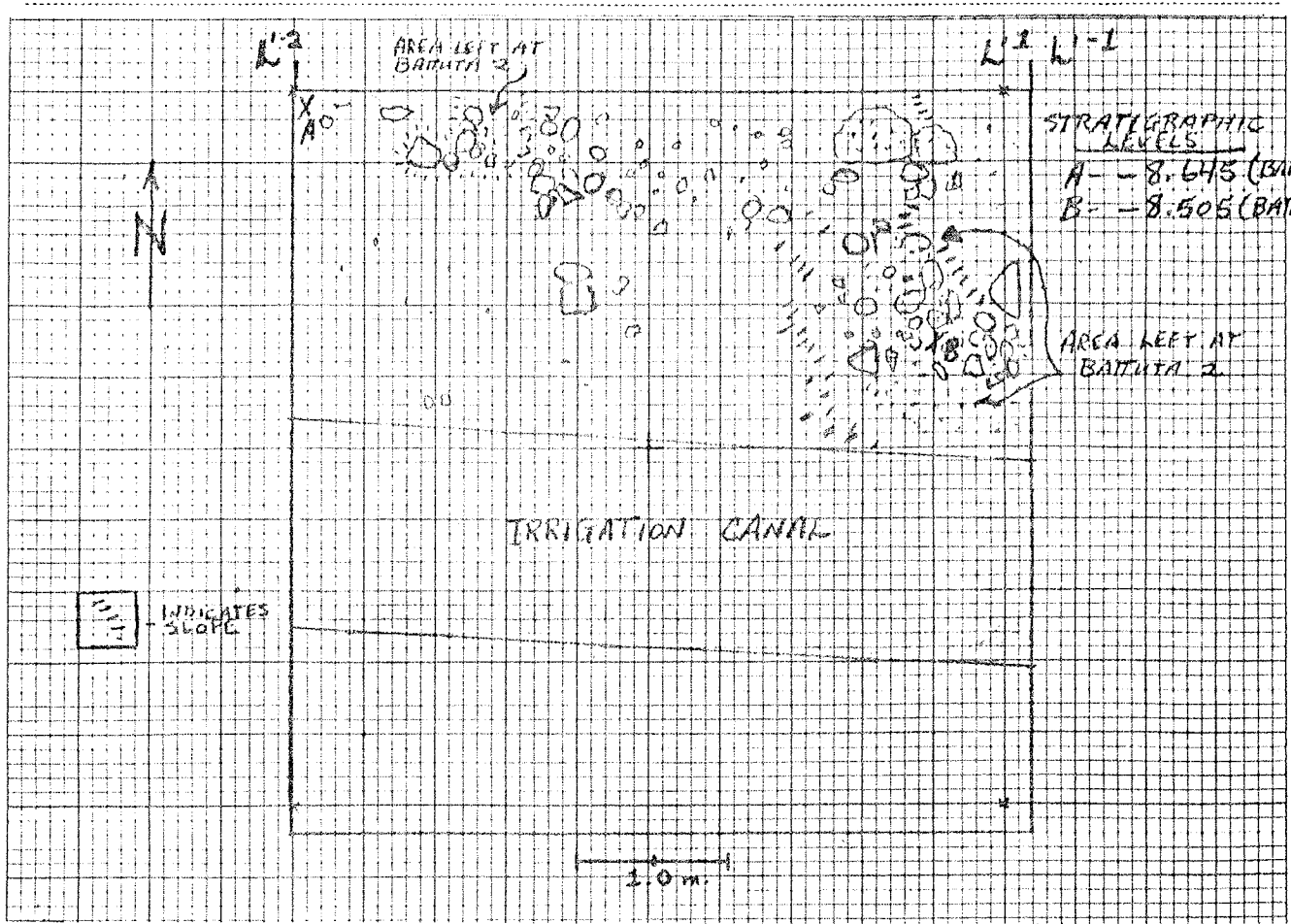
Disposal of specimens BOXES

Reference SEE NOTEBOOK #IV, p. 64

Photos YES Recorded by JACK M. ENGLERT JR. Date JUNE 29, 1978

Area L' 1 Excavation Pizzica Level 2A BAT. 3

- 1. Subject.....
- 2. Horizontal location.....
- 3. Vertical location, strat. position. See plan and field note book.
- 4. Dimensions 5.0m X 2.5m (ALONG EAST EDGE)
- 5. Matrix GRAY CLAY WITH SAND. SEE FIELD NOTE BOOK.
- 6. Associations LARGE CONCENTRATION OF STONES AND TILES ASSOCIATED WITH THE ROMAN DUMP DEPOSIT.
- 7. Description, discussion, sketch. CONCENTRATIONS OF STONES AND TILES WERE LEFT AT LEVEL 2A, BAT. 2, AND THE REST OF THE AREA WAS TAKEN DOWN ANOTHER BATTUA. FOR A FULL DISCUSSION SEE THE FIELD NOTES.



Scale 1:50 Title.....

Worked by, using ITALIAN WORKMEN USING PICKS AND TROWELS

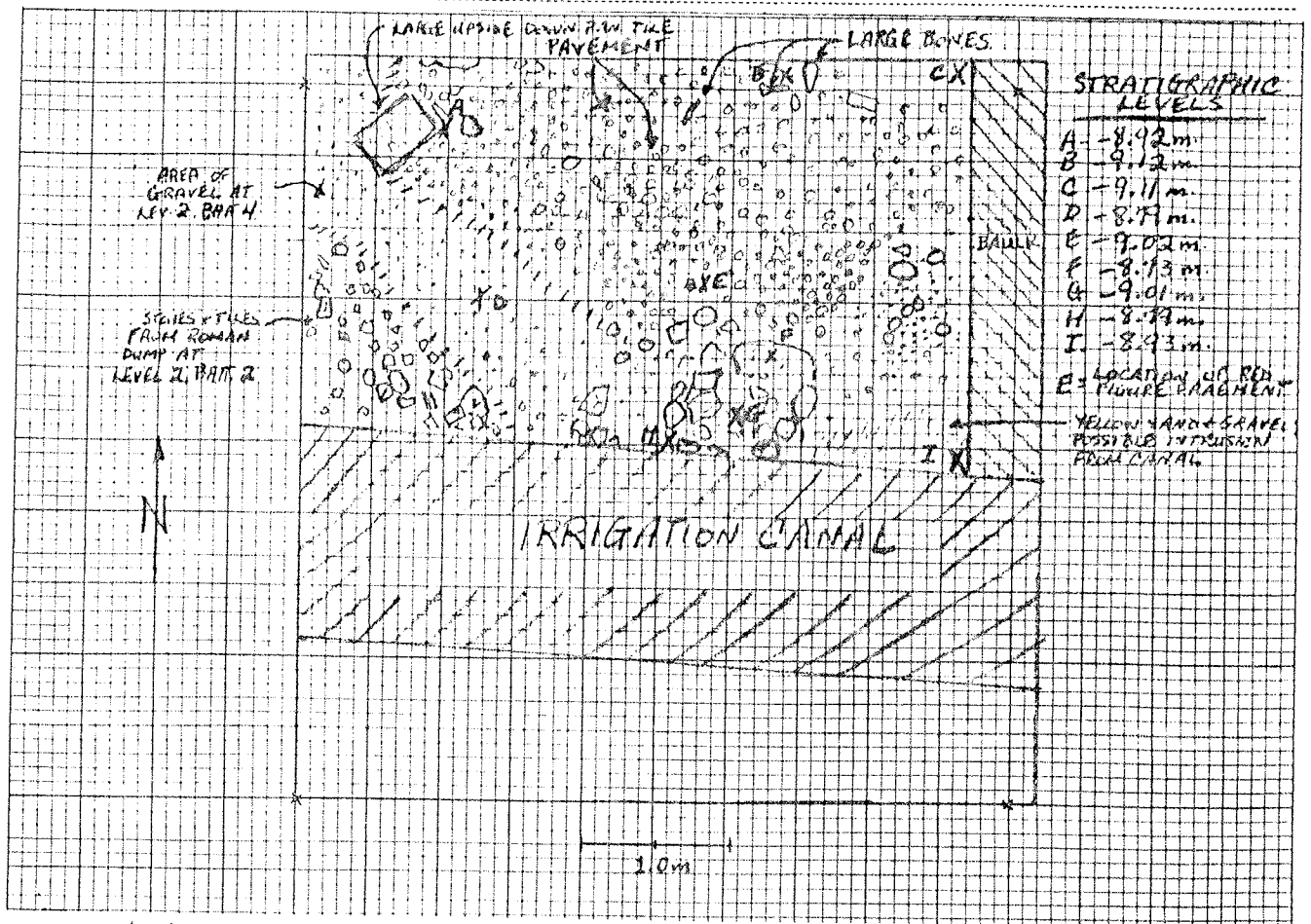
Disposal of specimens BOXES

Reference SEE NOTEBOOK # IV, p. 78

Photos YES Recorded by JACK H. ENGLETT JR. Date JUNE 29, 1978

Area L1-1 Excavation PIZZICA Level 2, BATT. 5 NORTH OF IRRIGATION

1. Subject
2. Horizontal location
3. Vertical location, strat. position See points on plan and notes
4. Dimensions 4.50 m. X 2.80 m (at East Edge)
5. Matrix GRAY CLAY w/ SAND PRESENT, see field notes.
6. Associations Pavement appears to be of 6th's variety, but the pottery finds are largely Roman with much gray ware present.
7. Description, discussion, sketch Notable features are the basin with a broken amphora neck apparently reused as a spout or drain, a large upside down pan tile possibly used as a channel, the large bone fragments, and red figure sherds. For a full discussion see the field notes.



Scale 1:50 Title

Worked by, using Italian workmen using pick and trowel

Disposal of specimens Boxes

Reference SEE NOTEBOOK #IV, p. 86, 90

Photos YES Recorded by JACK M. ENGLEST JR. Date JUNE 29, 1978

U. T. Austin—GENERAL RECORD FORM

Area 0'-4 Excavation PIZZICA Level LEVELS 5-6

1. Subject MASON'S MARK ON STONE IN SQUARE

2. Horizontal location SEE FIELD NOTES

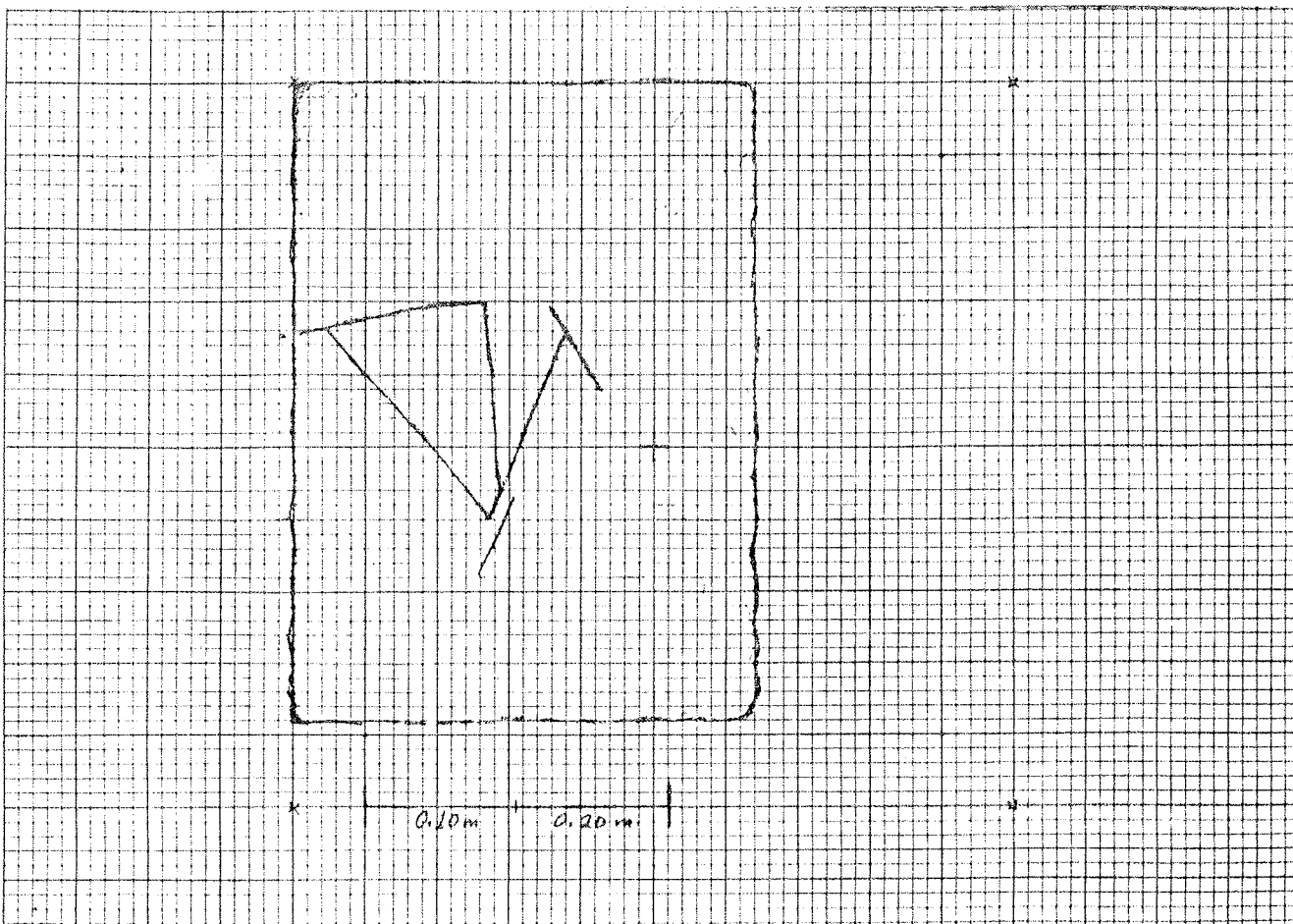
3. Vertical location, strat. position SEE FIELD NOTES

4. Dimensions 2.43m X 0.31m X 0.42m

5. Matrix SEE FIELD NOTES

6. Associations

7. Description, discussion, sketch. PROF. ADAMESTRAKIS IDENTIFIED THIS TYPE OF MASON'S MARK AS BEING ARCHAIC AND THE STONE AS BEING THE SAME TYPE AS USED IN THE IONIC TEMPLE AT METAPONTA.



Scale 1:5 Title

Worked by, using

Disposal of specimens

Reference NOTE BOOK #IV pp 122-124

Photos YES Recorded by JACK ENGELBERT R. Date JULY 17, 1978

Area L-4 Excavation POSSIBLE Level 3, BATH 5 Sounding upon B-0
 1. Subject Sounding in

2. Horizontal location

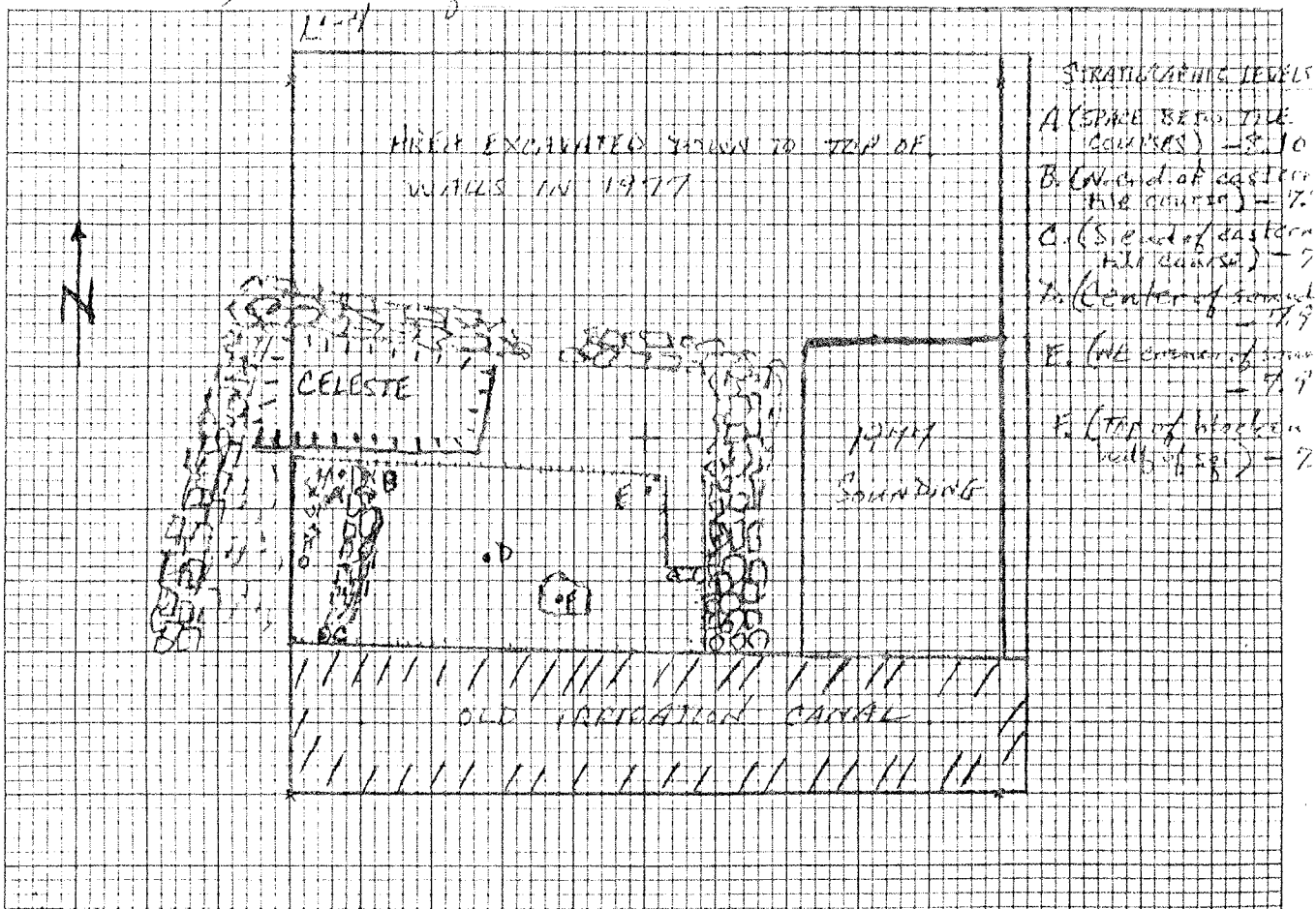
3. Vertical location, strat. position SEE FIELD NOTES

4. Dimensions 1.30 X 2.85 X 1.25m

5. Matrix SANDY GRAYISH BROWN CLAY. SEE FIELD NOTES FOR FULL DISCUSSION

6. Associations Sounding made up in room of farmhouse dated to ca. 1st C. B.C. Tilling throughout the sounding in blocks

7. Description, discussion, sketch. For a full discussion see the field notes. Area where Celeste was left alone. A course of tiles laid upon one another along of some stones was found in west end of area. This could be a wall or a part of a water channel, it would be to the west and area also looked towards the west. There were remnants of a parallel course of tiles to the west. Drawing done in haste; orientation of walls is not exact.



Scale 1:50 Title

Worked by, using Hand excavation using picks and trowels

Disposal of specimens Boxed; some soil also put through water separation & flotation

Reference NOTEBOOK # IV, p. 43

Photos yes Recorded by Sack, M. Embley, et. J.F. Date July 24, 1978

Area M-3, 4 Excavation Level ~~3~~ 3, Bottom 4 Sounding II
1. Subject Spreading of a Room Sounding II

2. Horizontal location

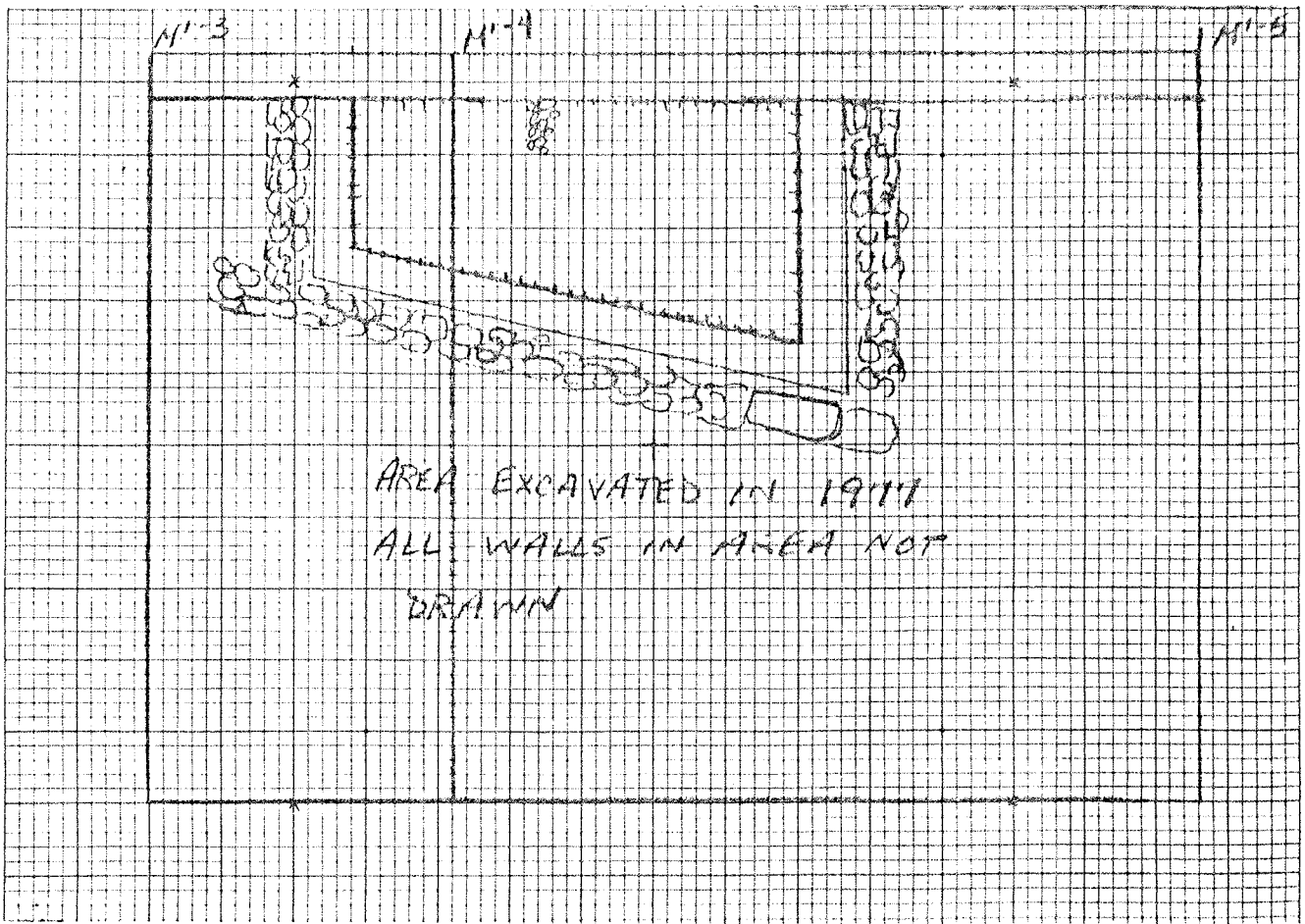
3. Vertical location, strat. position See field notebook

4. Dimensions

5. Matrix

6. Associations

7. Description, discussion, sketch



Scale 1:50 Title

Worked by, using ITALIAN WORKMEN USING PICK AND SHOVEL

Disposal of specimens

Reference SEE NOTEBOOK #V p. 47

Photos Recorded by JACK MENGERT JR. Date JULY 24, 1978

Area M1-2-3 Excavation Kitchen Level 3, BALL & SOUNDING III

1. Subject

2. Horizontal location

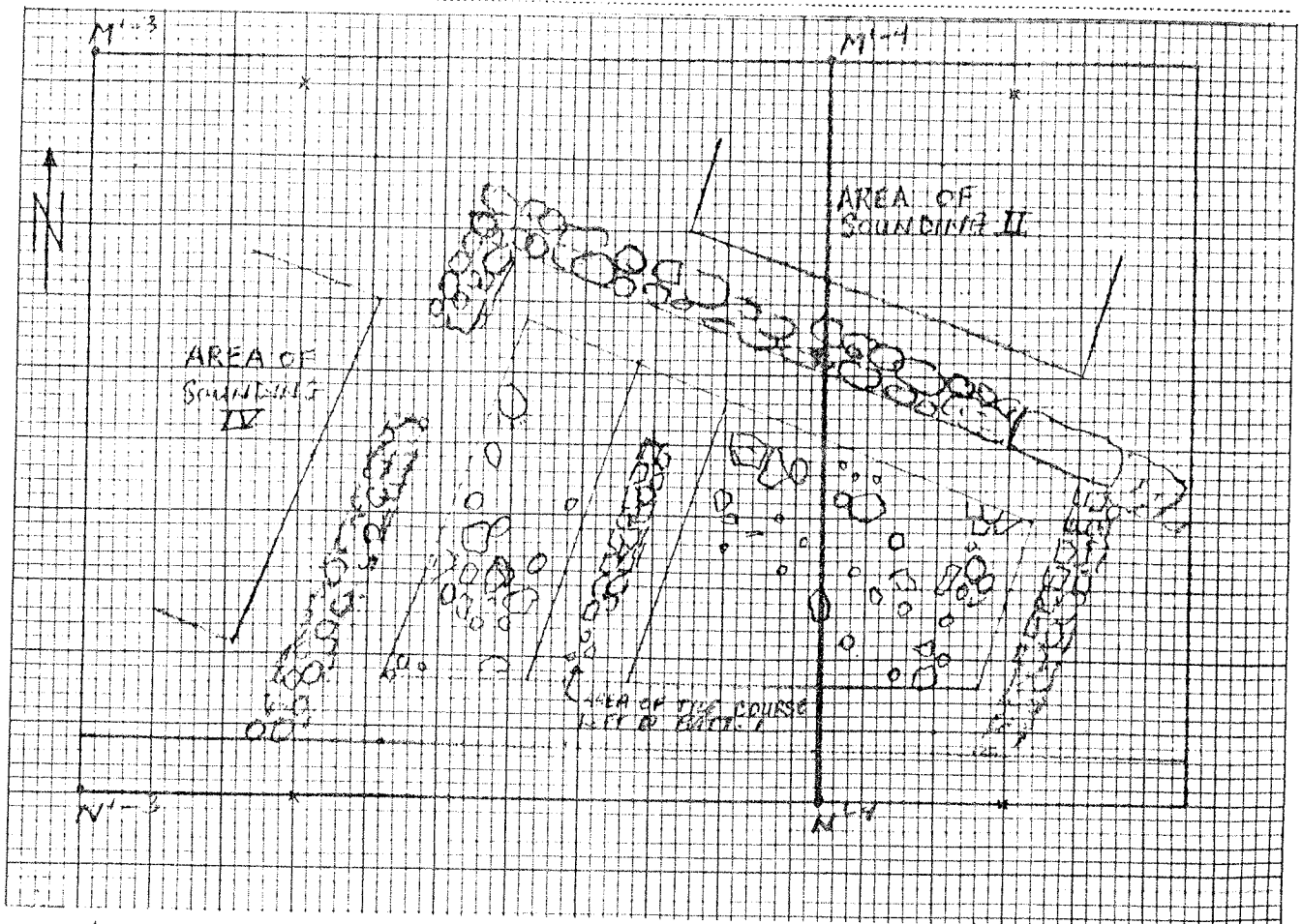
3. Vertical location, strat. position See field notebook

4. Dimensions 2.63 x 2.10 x 1.10 x 2.10 m

5. Matrix Yellow sand, SAND, CLAY, SEE FIELD NOTES

6. Associations

7. Description, discussion, sketch Diagram shows level plan to establish the general location of the sounding. The soundings are Level 3, BALL & SOUNDING III. The sounding is a parallel to the wall. SEE FIELD NOTEBOOK for more information.



Scale 1:30 Title

Worked by, using Hand-drawn level plan, see field notebook, level 3, BALL & SOUNDING III

Disposal of specimens Boxed

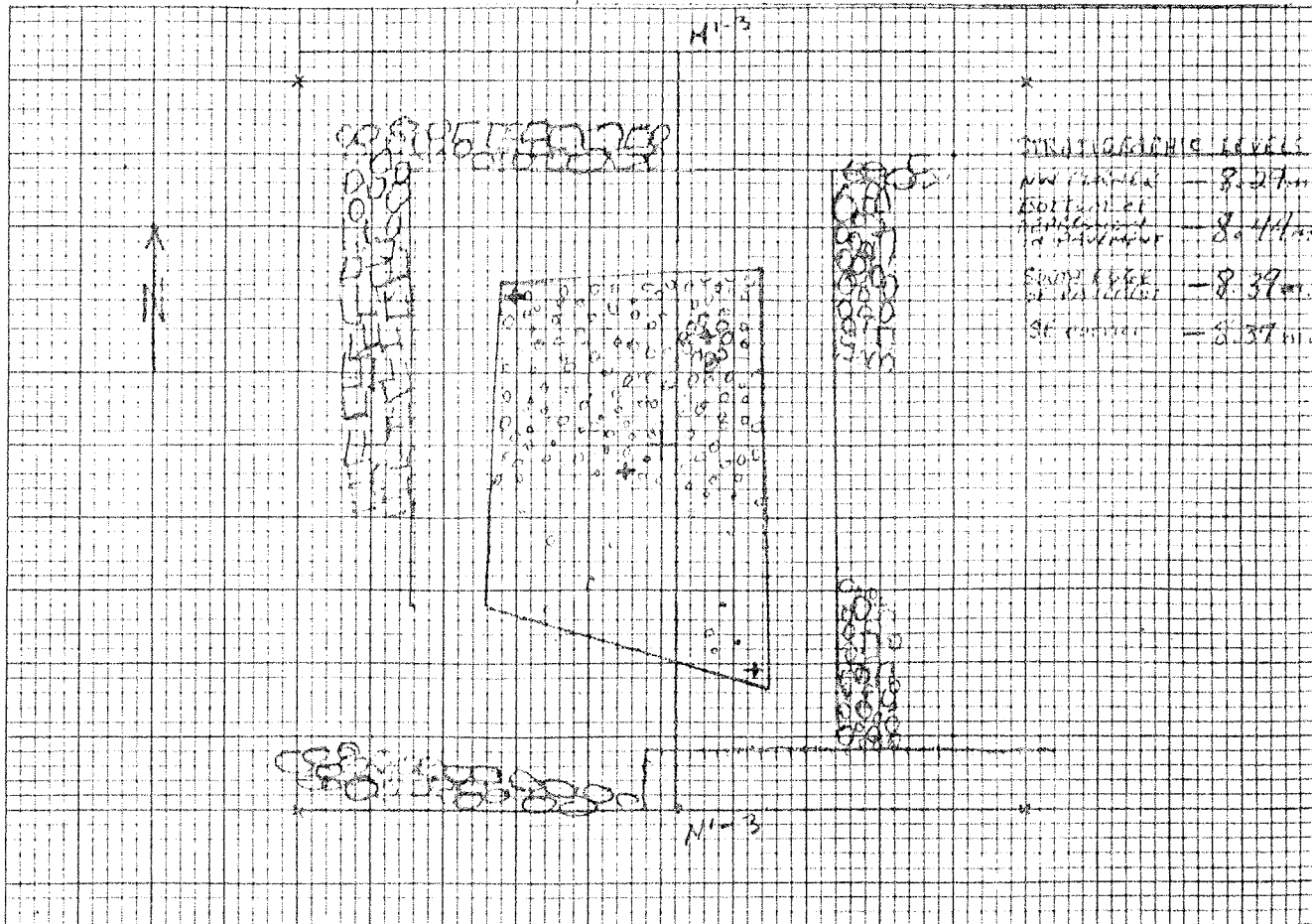
Reference NOTEBOOK #12, p. 51

Photos Yes Recorded by JACK McFARLANT JR. Date JULY 26, 1978

Area M¹-R¹-3 Excavation Pizzol Level 3, BOTT. 4, Sanding IV

- 1. Subject.....
- 2. Horizontal location.....
- 3. Vertical location, strat. position See field notes and drawing
- 4. Dimensions 1.6 m x 2.0 m x 2.0 m
- 5. Matrix See field notes
- 6. Associations.....

7. Description, discussion, sketch. This is a sketch to give a basic idea of the situation. The measurement was a small amount, but some effort was made to depict the walls surrounding the excavation with total structure. The most notable feature of the pavement was the depression in the NE corner. Overall the pavement was made of small river stones, a coarse sand pavement. It appears towards the south the pavement was recessed and then covered on July



Scale 1:50 Title.....

Worked by, using LUIGI, BOLENA, ROMA, MIC. ANTONI

Disposal of specimens BOXES

Reference SEE NOTEBOOK #IV, p. 49

Photos YES Recorded by SUCC. M. F. EXCELLENZ IR Date JULY 26, 1978

Area M¹-1 Excavation PIZZICA - CANAL Level LEVEL 4, BATT. 1.

1. Subject.....

2. Horizontal location.....

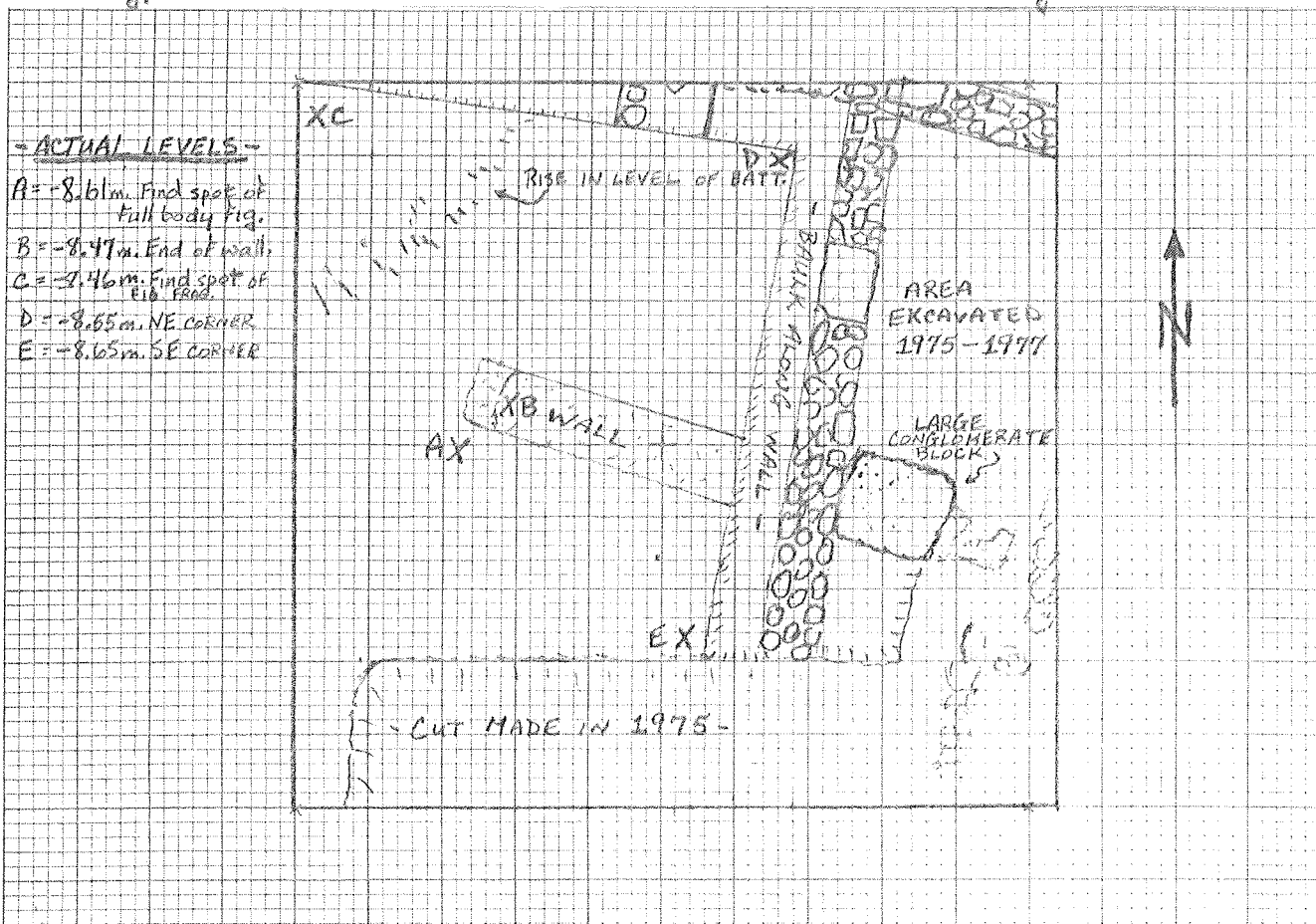
3. Vertical location, strat. position See below and field notes for actual levels.

4. Dimensions 5.0 X 5.0 m.

5. Matrix GRAY CLAY w/ CONCRETIONS AND STREAKS OF RED SAND.

6. Associations LEVEL DETERMINED BY ITS ASSOCIATION WITH THE WALL FOUND IN THE SOUTHERN HALF OF THE SQUARE

7. Description, discussion, sketch Sketch may be slightly off, since triangulation was not used in the measurements. It is however a close representation. MATERIAL north of wall was predominately 6th c., whereas material south of wall was a mix with some apparent 6th c. sherds along with 4th c. sherds including one rim frag. of ribbed Gnathia-type ware. Both figurine fragments found were 6th c. types. See field notes for a full discussion of the designation of levels.



Scale 1 X 50 Title.....

Worked by, using.....

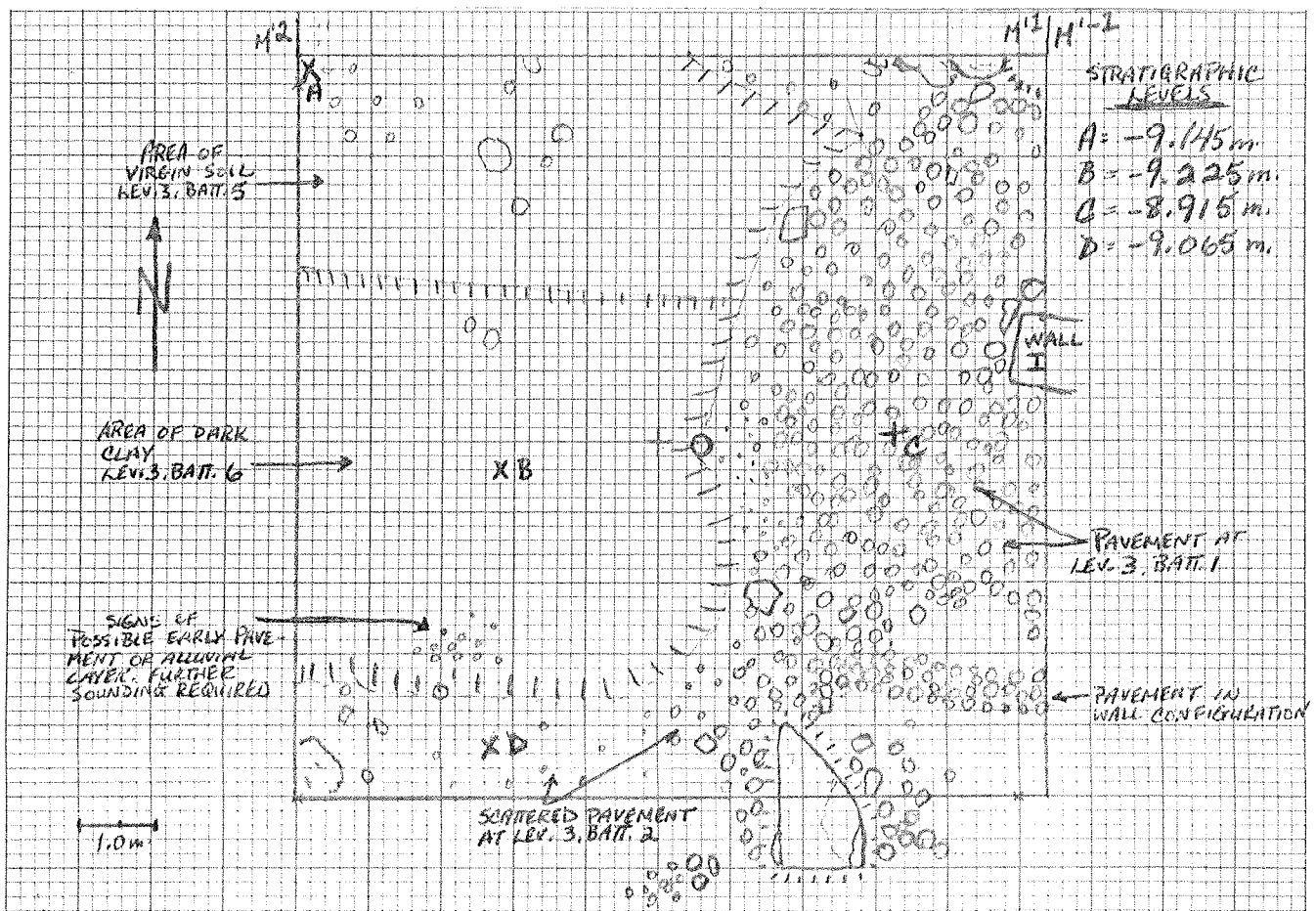
Disposal of specimens.....

Reference.....

Photos YES Recorded by JACK MENGERT, JR. Date JUNE 16, 1978

Area M¹L Excavation PIZZICA Level 3, BATT. 6

1. Subject.....
2. Horizontal location.....
3. Vertical location, strat. position See plan and field notebook.
4. Dimensions 5.0 X 5.0m.
5. Matrix GRAY CLAY OF VARYING COMPOSITIONS, SEE FIELD NOTE BOOK.
6. Associations THE PAVEMENT OF THIS SQUARE IN APPEARANCE AND THE MATERIAL OF ITS LEVEL ARE 6TH CENTURY.
7. Description, discussion, sketch IN SOUTHEASTERN SECTION THERE IS A STRETCH OF PAVEMENT WHICH SEEMS TO BE A WALL, HOWEVER ITS RELATIONSHIP TO THE REST OF THE PAVEMENT MAKES THIS DOUBTFUL. NOTE THE ROCKS OR PAVEMENT AT LOWEST LEVEL, THESE REQUIRE A FURTHER SOUNDING, SEE FIELD NOTES.



Scale 1:50 Title.....

Worked by, using ITALIAN WORKMEN WITH PICK AND TROWEL; SUPERVISOR TROWELED SOME OF PAVEMENT

Disposal of specimens BOXES

Reference.....

Photos YES Recorded by JACK H. ENGLERT JR Date JUNE 29, 1978

Area L'1 Excavation PIZZICA - CANAL Level LEVEL 1, batt. 6
NORTH OF IRRIGATION CANAL
 1. Subject..... At top of LEVEL 2
South of IRRIGATION CANAL

2. Horizontal location.....

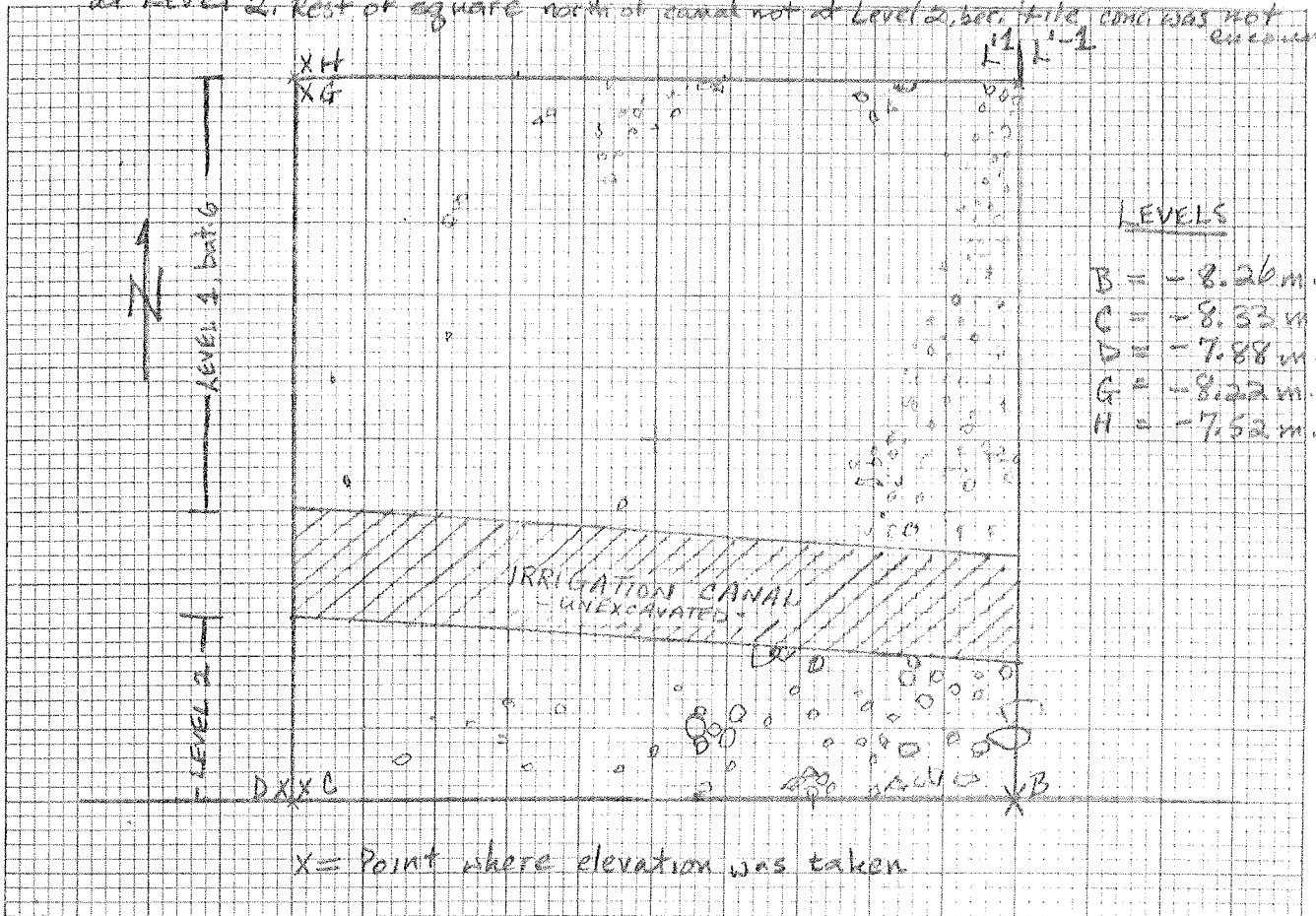
3. Vertical location, strat. position See below. For actual levels.

4. Dimensions 5.0 m x 5.0 m.

5. Matrix GRAY SANDY SOIL

6. Associations Roman pottery; continuation of Roman tile + stone deposit present in M'1; Possible assoc. w/ North-South trench dumping area.

7. Description, discussion, sketch In east half of square can be seen the continuation of the Roman deposit of stones and tiles which runs NORTHEAST from M'1 through L'1 + M'1 and into L'1. Pottery in level 1, batt. 6 (North of Irrigation canal) included frags. of imitation terra sigillata. Area south of canal is at level 2 because it is at the level of the tile conc. in M'1. Cong. of tiles + stones on east side of trench north of the canal are also at level 2. Rest of square north of canal not at level 2, bec. tile conc. was not encountered



Scale 1/50 (Note sqs. on graph are intersect + I used them for scale). Title.....

Worked by, using JACK M. ENGLERT, JR., USING HASTE

Disposal of specimens.....

Reference.....

Photos..... Recorded by JACK M. ENGLERT, JR. Date JUNE 15, 1978

Area M¹-1 Excavation PIZZICA Level 4, BATT. 6

1. Subject.....

2. Horizontal location.....

3. Vertical location, strat. position SEE PLAN AND FIELD NOTES.

4. Dimensions 5.0 m. X 5.0 m.

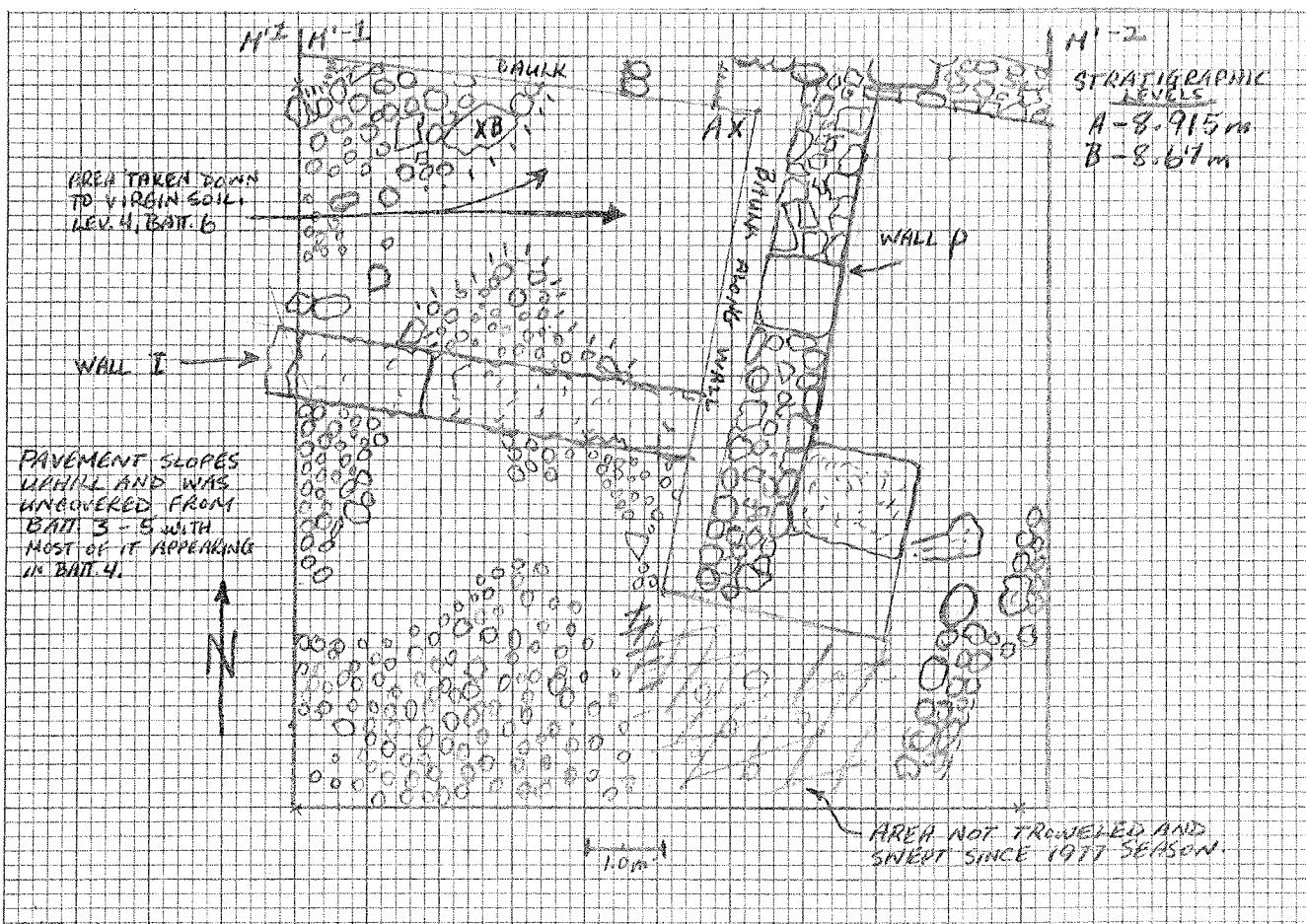
5. Matrix GRAY CLAY OF VARYING CONSISTENCIES, SEE FIELD NOTE BOOK.

6. Associations THE PAVEMENT ON BASIS OF ITS APPEARANCE AND THE MATERIAL ASSOC. WITH IT IS 6TH C.

WALL I IS ABOVE THE PAVEMENT AND NOT LINKED WITH IT. WALL P & THE EASTERN THIRD OF THE SQUARE WERE EXCAVATED IN 1970 AND REEXAMINED IN 1977.

7. Description, discussion, sketch.....

PAVEMENT IS CONTINUATION OF 6TH CENTURY PAVEMENT TO SOUTH. MUCH 6TH C. POTTERY AND SOME FIGURINES FOUND ASSOCIATED WITH IT. WALL I IS LATER IN DATE THAN THE 6TH C. APPARENTLY, SINCE IT LIES ABOVE THE PAVEMENT. HOWEVER THE MATERIAL ASSOCIATED WITH IT WAS PREDOMINATELY OF 6TH C. DATE.



Scale 1:50 Title.....

Worked by, using ITALIAN WORKMEN USING PICKS AND TROWELS, SUPERVISOR DID SOME OF THE TROWELING

Disposal of specimens BOXES

Reference.....

Photos YES Recorded by JACK M. ENGLERT JR. Date JUNE 29, 1978

Area L¹ 1 Excavation PIZZICA Level 2A BAT. 3

1. Subject.....

2. Horizontal location.....

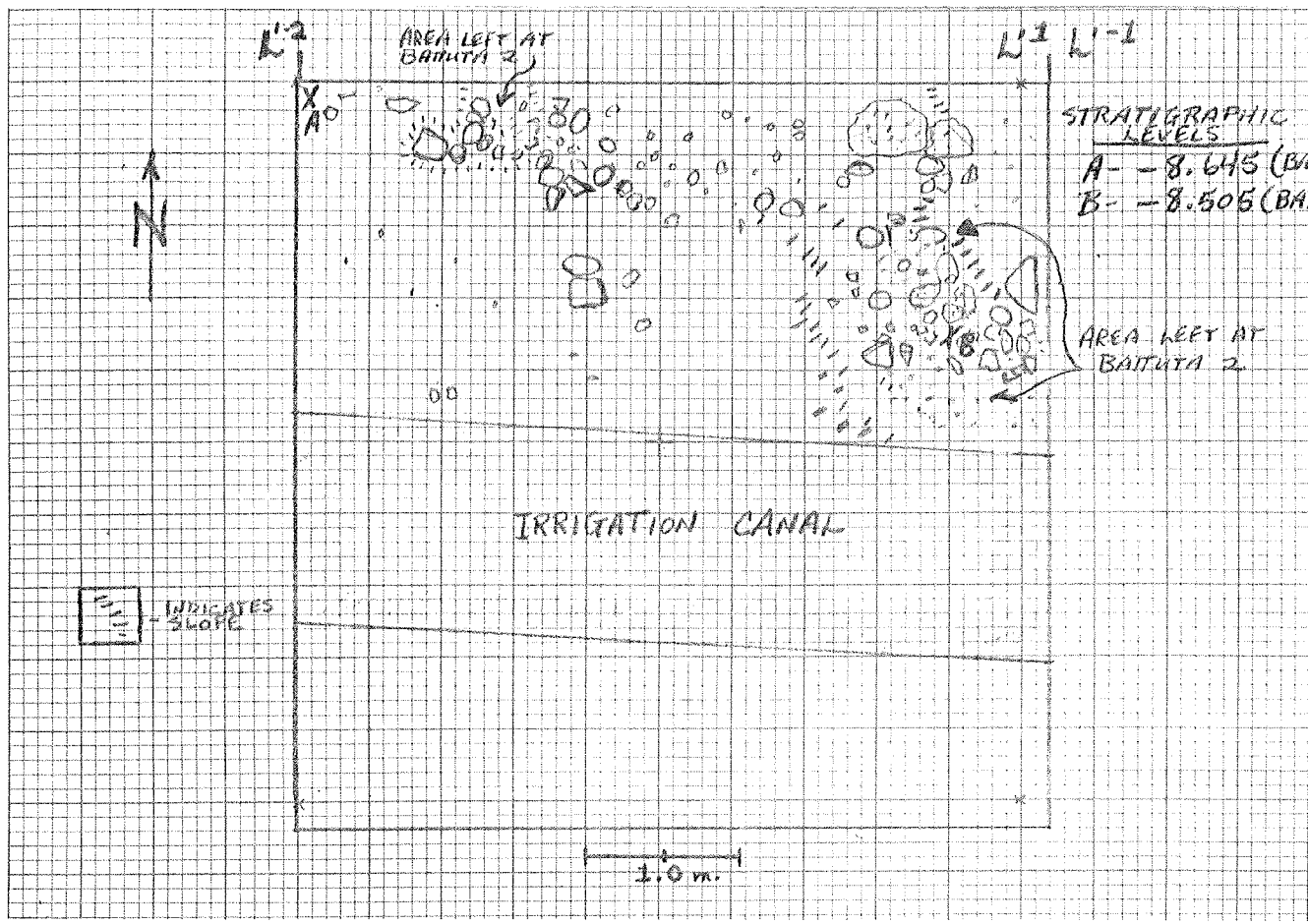
3. Vertical location, strat. position See plan and field note book.

4. Dimensions 5.0m. X 2.5m. (ALONG EAST EDGE)

5. Matrix GRAY CLAY WITH SAND, SEE FIELD NOTE BOOK.

6. Associations LARGE CONCENTRATION OF STONES AND TILES ASSOCIATED WITH THE ROMAN DUMP DEPOSIT.

7. Description, discussion, sketch CONCENTRATIONS OF STONES AND TILES WERE LEFT AT LEVEL 2A, BAT. 2, AND THE REST OF THE AREA WAS TAKEN DOWN ANOTHER BATTUTA. FOR A FULL DISCUSSION SEE THE FIELD NOTES



Scale 1:50 Title.....

Worked by, using ITALIAN WORKMEN USING PICKS AND TROWELS

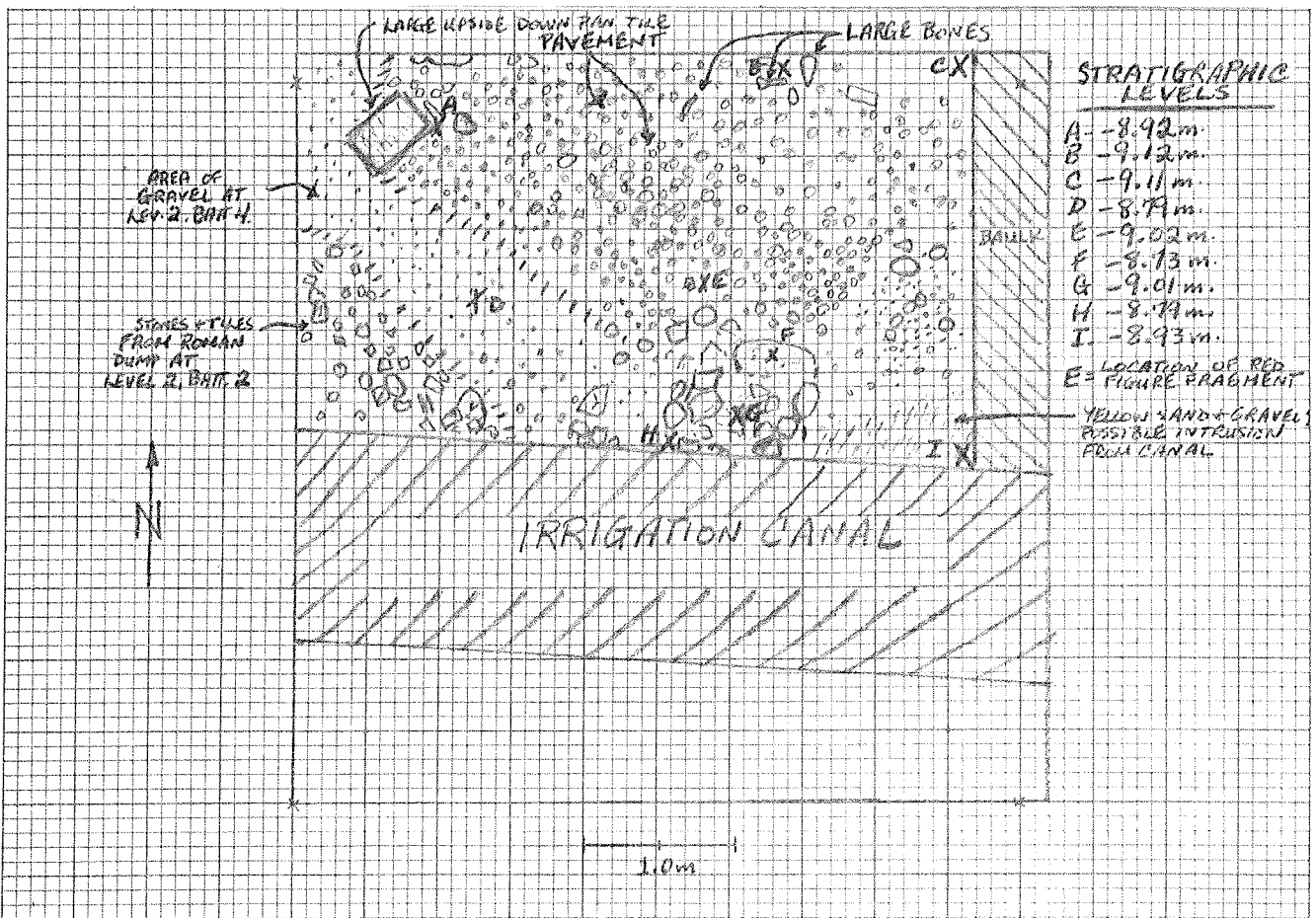
Disposal of specimens BOXES

Reference.....

Photos YES Recorded by JACK M. ENGLETT JR Date JUNE 29, 1978

Area L1-1 Excavation PIZZICA Level 2, BATT. 5 NORTH OF IRRIGATION CANAL

1. Subject.....
2. Horizontal location.....
3. Vertical location, strat. position See points on plan and notes
4. Dimensions 4.50 m. X 2.80 m. (at East Edge)
5. Matrix GRAY CLAY w/ SAND. PRESENT, see field notes.
6. Associations. PAVEMENT appears to be of 6th c. variety, but the pottery finds are largely Roman with much grayware present.
7. Description, discussion, sketch. Notable features are the basin with a broken amphora neck apparently reused as a spout or drain, a large upside down pan tile possibly used as a channel, the large bone fragments, and red figure sherds. For a full discussion see the field notes.



Scale 1:50 Title.....

Worked by, using Italian workmen using pick and trowel

Disposal of specimens Boxes

Reference.....

Photos YES Recorded by JACK M. ENGLETT JR. Date JUNE 29, 1978

Area N¹-1 Excavation PIZZICA Level LEVELS 5-6

1. Subject MASON'S MARK ON STONE IN SQUARE

2. Horizontal location SEE FIELD NOTES

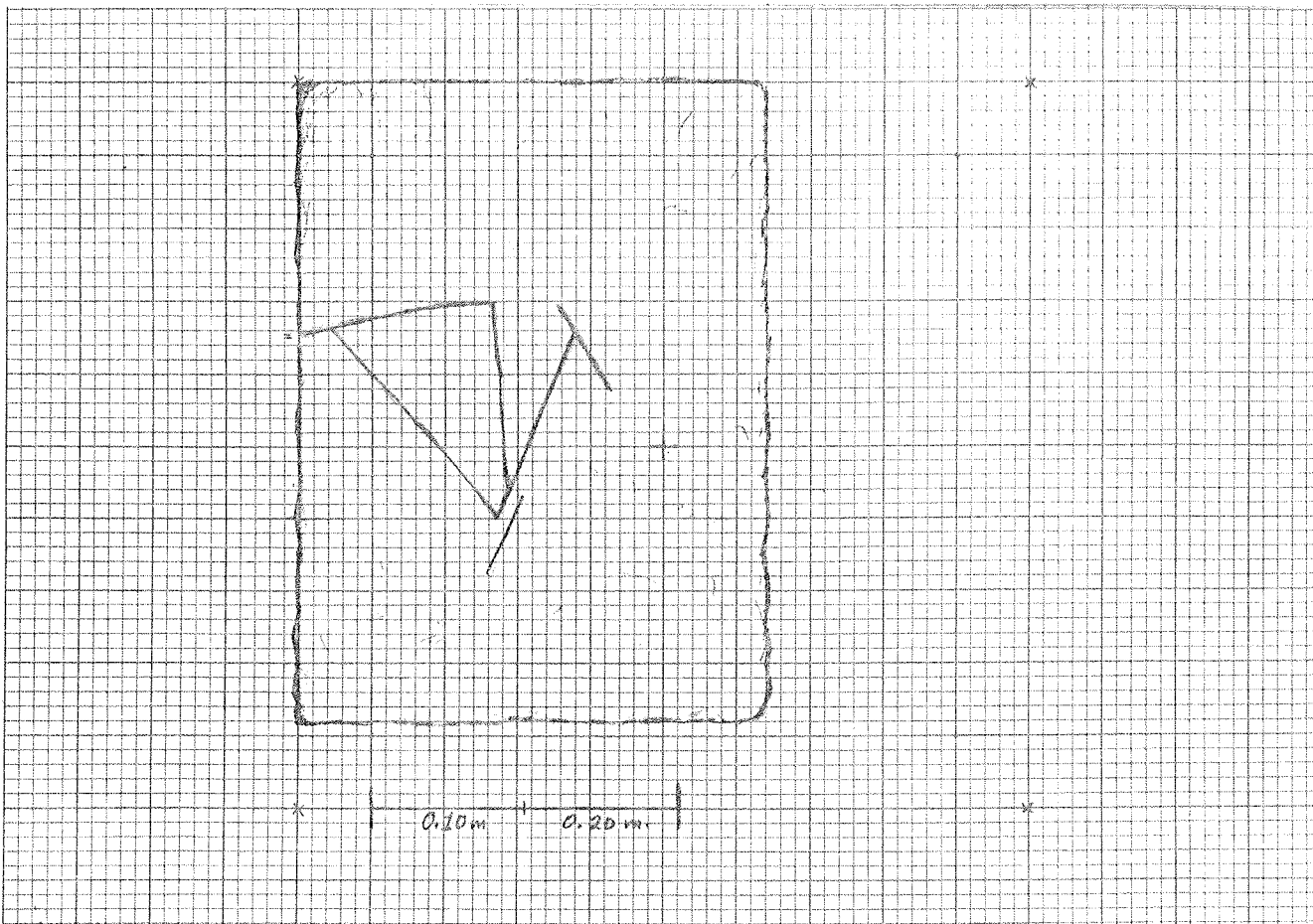
3. Vertical location, strat. position SEE FIELD NOTES

4. Dimensions 0.43m X 0.31m X 0.42m

5. Matrix SEE FIELD NOTES

6. Associations.....

7. Description, discussion, sketch PROF. ADAMESTRANU IDENTIFIED THIS TYPE OF MASON'S MARK AS BEING ~~VERY~~ ARCHAIC AND THE STONE AS BEING THE SAME TYPE AS USED IN THE IONIC TEMPLE AT METAPONTO.



Scale 1:5 Title.....

Worked by, using.....

Disposal of specimens.....

Reference.....

Photos YES Recorded by JACK ENGELERT JR. Date JULY 17, 1978

Area L¹⁻⁴ Excavation Pizzica Level 3, BATH. Sounding upon Room
 1. Subject Sounding I

2. Horizontal location

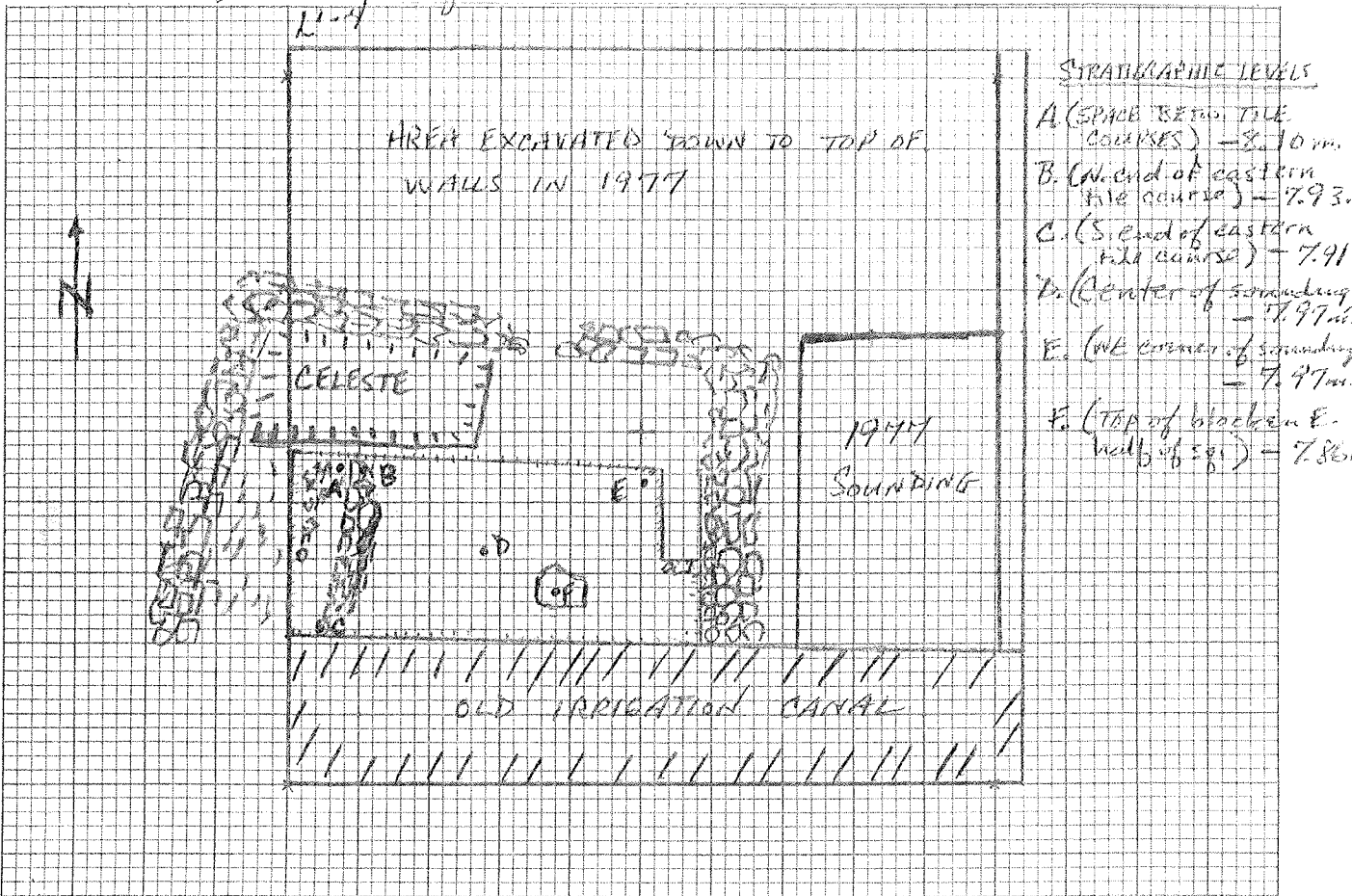
3. Vertical location, strat. position SEE FIELD NOTES

4. Dimensions 1.30 X 2.85 X 1.25m

5. Matrix SANDY GRAYISH BROWN CLAY, SEE FIELD NOTES FOR FULL DISCUSSION

6. Associations Sounding made upon room of farmhouse dated to c. 4th c. B.C. Pottery throughout the sounding was Greek

7. Description, discussion, sketch For a full discussion see the field notes. Area where Celeste recta was left alone. A course of tiles laid upon one and then a layer of some stones was found in west end of area. This could be a wall or a part of a water channel, it curved towards the west and was also banked towards the west. There were remnants of a parallel course of tiles to the west. Drawing done in haste; orientation of walls is not exact.



Scale 1:50 Title

Worked by, using Italian workers using picks and trowels

Disposal of specimens Boxed; some soil also put through water separation & flotation

Reference

Photos yes Recorded by Jack M. Engler, Jr. Date July 21, 1978.

Area M1-3, -4 Excavation _____ Level 3, Batt. 4 Sounding w/ Room
1. Subject Sounding w/in Room Sounding II

2. Horizontal location _____

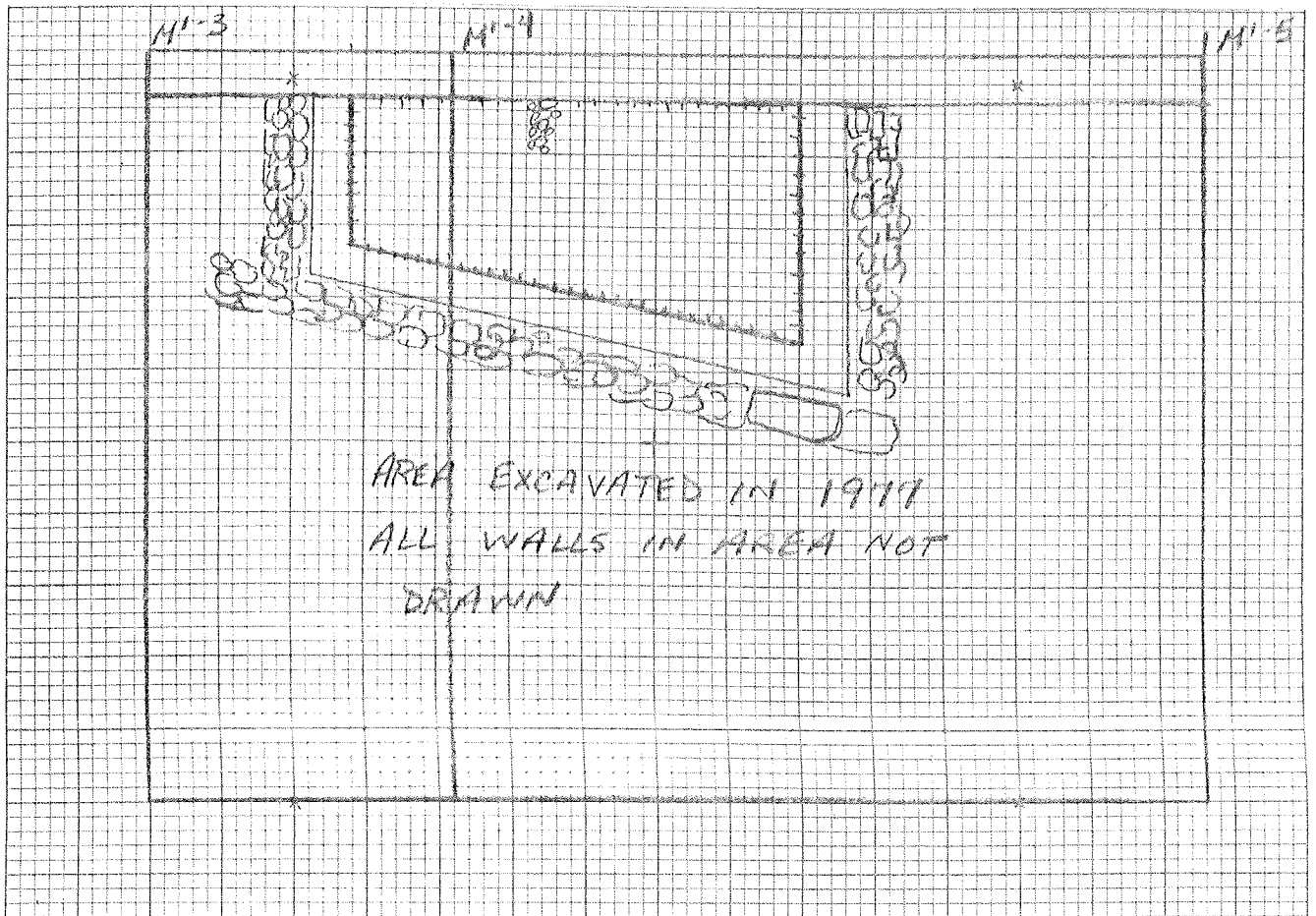
3. Vertical location, strat. position See field notebook

4. Dimensions _____

5. Matrix _____

6. Associations _____

7. Description, discussion, sketch _____



Scale _____ Title _____

Worked by, using _____

Disposal of specimens _____

Reference _____

Photos _____ Recorded by _____ Date _____

Area M1-2-3 Excavation Pizzica Level 3, BATT. & SOUNDING III

1. Subject

2. Horizontal location

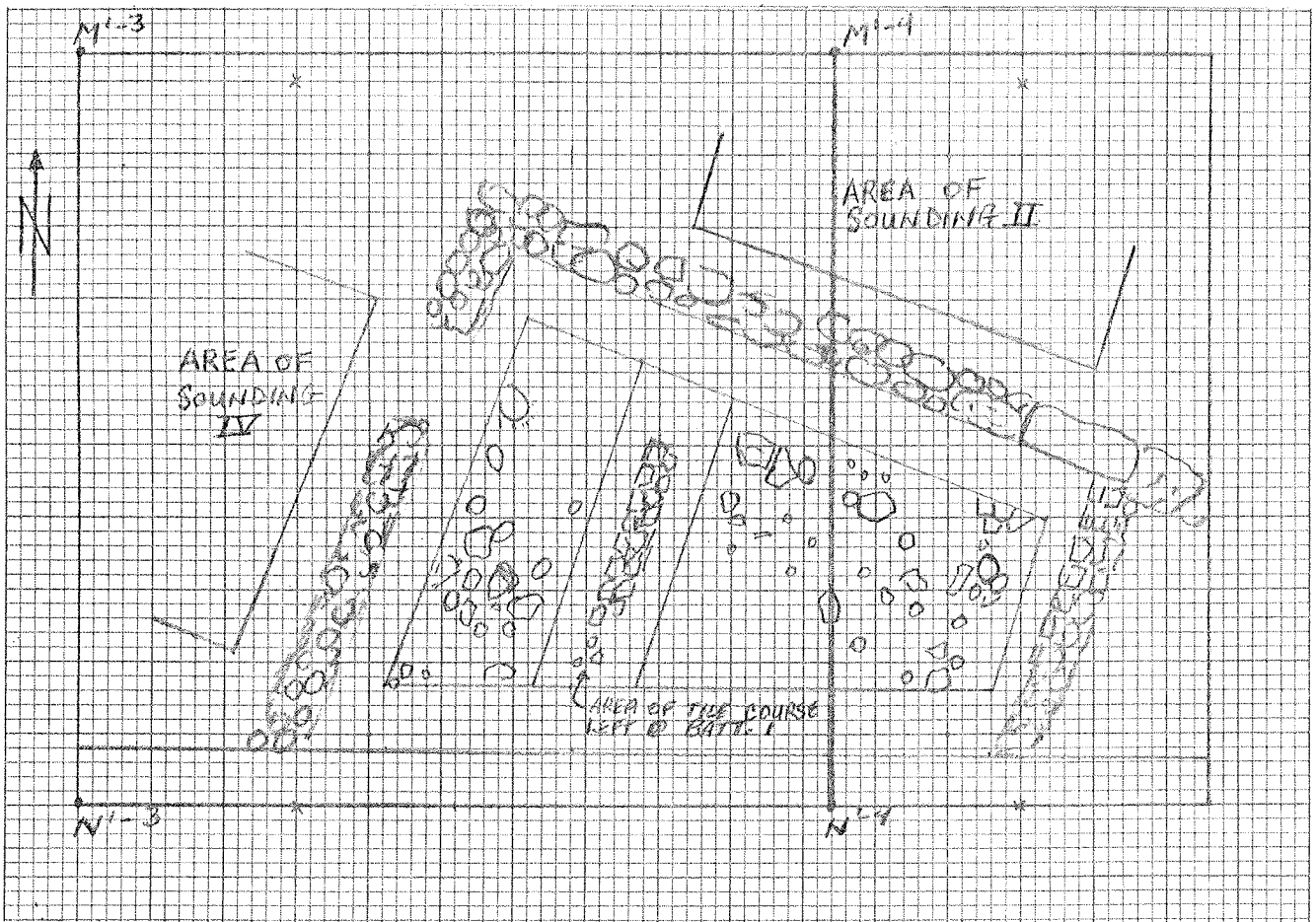
3. Vertical location, strat. position See field notebook.

4. Dimensions 2.63 X 3.70 X 1.10 X 4.10 m.

5. Matrix GRAYISH-BROWN SANDY CLAY, SEE FIELD NOTES.

6. Associations

7. Description, discussion, sketch ANOTHER HASTY LEVEL PLAN TO ESTABLISH THE CIRCUMSTANCES SURROUNDING THE SOUNDING. THE SIDES IN LEVEL 3, BATT. 2, ALL APPEAR TO BE FROM A FILL RATHER THAN A PAVEMENT. SEE FIELD NOTES FOR FULL DISCUSSION.



Scale 1:30 Title

Worked by, using ITALIAN WORKMEN & SUPERVISOR USING PICK AND TROWEL

Disposal of specimens BOXED

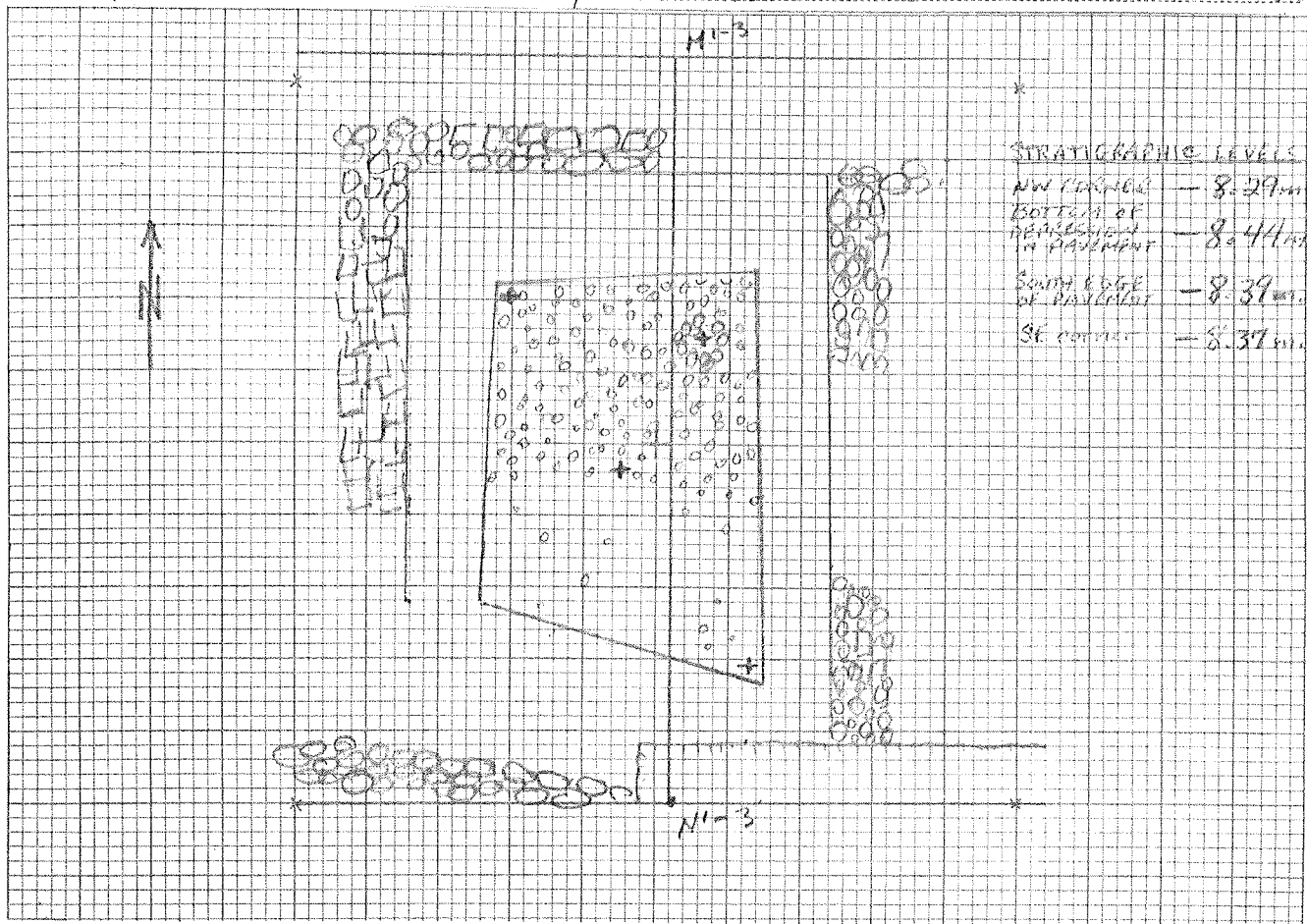
Reference

Photos YES Recorded by JACK McENEREY JR. Date JULY 26, 1978

Area M1-2-3 Excavation Pizzica Level 3, Bldg. 4 Sounding IV

1. Subject.....
2. Horizontal location.....
3. Vertical location, strat. position See field notes and drawing
4. Dimensions 1.63m. X 2.80m X 1.16m X 2.16m
5. Matrix See field notes
6. Associations.....

7. Description, discussion, sketch. This is a fast job to give a basic idea of the situation. The measurements are overall accurate, however no effort was made to depict the walls surrounding the sounding with ~~total~~ exactitude. The most notable feature of the pavement was the depression in the NE corner. Overall the pavement was made of small river stones, c. 0.005-0.12m. Pavement disappears towards the south. The pavement was recorded and then removed on July 26.



Scale 1:50 Title.....

Worked by, using ITALIAN WORKMEN USING PICK AND TRAVEL

Disposal of specimens BOXED

Reference.....

Photos YES Recorded by SACK HO. ENGLERT JR Date JULY 26, 1978