The pebble surface is even and easily cleaned.

The pit in the northwest is dug with:

Pail 4:32 (see diagram on page 58)
Under pail 4:30
From level 4.60 m. (nc) to 4.52 m. (centre of pit)
Soil: stone chips with soft sand and limpet shells (same as 4:30) sunk into a shallow depression.

Pottery: 2,600 sg. Finds with 33, including fragments of horse's head (see below). Mostly 7th B.C. But some earlier material, including geometric, 116 (oiled) PG. 7th B.C.

Other: charcoal, conch shell, large quantity of limpet shell, pumice, several iron fragments, fragments of a bronze / cobble.

Inventoried: parts of C7911 - Attic PG amphora 17/7/52
B.t. of C7901 (see under Pail 32) 15, 7, 85

We dig under the area of pail 32 with:

Pail 4:33
Under pail 4:32
From level 4.65 m. to 4.40 m. See diagrams on page 62.

Soil: stone chips in 'dark greyish brown' soil (Munsell 2.5Y 4/2)

Pottery: c. 6,000 sg. Much 7th B.C. pottery, but some earlier material, some from hydria for PG (?) Attic (?).

To 7th B.C.

Other: bone, pumice, fragments of a horse's head (ceramic) - see page 62.

Inventoried: C7901 - ceramic horse's head (also for in 4:32)
C7911 - Attic (?) PG amphora (also in 4:32)
C7912 - soas Attic amphora base
The pebble surface appears in this area, but considerably disturbed by stones. When satisfied that we have reached the surface, we change pails and dig to the south of Pail 33 (see diagram, page 58) with:

Pail 4:34
Under pail 4:30
From level 4:65 m. to 4:55 m.

Soil: 'dark greyish brown' with stones and chips

Pottery: c. 650 B.C. Very scrappy. To at least the second half of 8th B.C. Small sherds of cups and jugs.

Other: a crab claw, shells

Inventoried:

After digging about half way down to the pebble surface we change buckets again and dig with:

Pail 4:35
Under pail 4:34
From level 4:56 m. to 4:37 m.

Soil: Stones and chips in soil of a little darker than 'dark greyish brown' (Nelson 3.54 4/2) with a number of limpet shells and some charcoal deposits

Pottery: c. 1450 B.C. Small, scrappy, to 7th B.C.

Other: bronze, shell, charcoal, cobbles, bone, bull's leg

Inventoried: C7913 - Attico-Cycladic kryflos (whole profile)
C7921 - leg
The pebble surface also appears in the area of Pail 55, broken by a number of stones just as under Pail 33.

After reaching the pebble surface we begin to dig the southeast quarter of the trench once again with:

Pail 4:36
Under pail 4:27
From level 5.06 m. (SE) - 4.89 m. (SC)
- 4.81 m. (EC). See pages 52 and 66.
Soil: Light olive brown (Munsell 2.5Y 5/4) and featureless

Pottery: 1,450 g. Mixed shapes dated to 7th B.C.; 1 ashland East Greek amphora; 1 East Greek B52. Base and flange with flaps.

Other:

Inventoried:

When we come down upon the stone chip and dark earth layer, we change pails and dig it with:

Pail 4:37
Under pail 4:36
From level 4.90 m. (SE) - 4.83 m. (SC) to 4.84 m. (SC)
to 4.74 m. (SC)
Soil: large stone chips in soil of dark greyish brown
colour (Munsell 2.5Y 4/2)

Pottery: c.3000 g. Scrappy. Solid 7th B.C.
Other: charcoal, stone tool?, plaster with smooth face

Inventoried:

After a single pass with 4:37 we arbitrarily change buckets and dig with:

Pail 4:38
Under pail 4:37
From level 4.84 m. (SE) - 4.74 m. (C) to 4.74 m. (SE)
- 4.53 m. (C)
Soil: large stone chips in 'greenish brown' to 'darker greenish brown' soil (Munsell 2.5Y 5/2 - 4/2)

Pottery: 9,250 g. Large pail of 7th/8th BC material. Mostly amphora/hydra style sherds. Some BG cups. Lots of joining sherds or sherds from a single pot.

Other: bone, limpets, specular hematite, pumice, charcoal, plaster, a cobble (the limpet shells are relatively few)

Inventoried: C9722 - a burnt neck and shoulder of an East(?)/Greek micaceous Transport Amphora; C8206 - BG cup

We find a surface just south of the centre of 639. It is covered with gray clay, bits of charcoal and a few sherds lying flat. This surface first appears at a height of 4.61 m. Some large rocks appear standing on the surface in the south of the trench. There are occasional beach pebbles in the west and numerous beach pebbles near the eastern edge of the trench.

We photograph the trench from the north, beside the temple (Roll 6', FR 21 - see on page 70) and from the north-west (Roll 6', FR 24 - see page 70).
To the east of the centre of the trench we dig out a pit filled with sand running:

Pail 4:39
Under pail 4:38
From level 4.61 m. to 4.46 m.

Soil: soft loose sand of 'dark greyish brown' colour (Munsell 2.5 Y 4/2) with small stone chips


Other: limpets, bone, a speck of Egyptian blue (cf. 'faience' pail 5:26, 4:23), a tiny fragment of bronze

Inventoried: 37923 - piece with legs of a bird.

The pit is a shallow one and has some clay beneath the sand. When the sand is removed a few rounded stones appear.

We continue digging down the southeast quarter of 63A with:

Pail 4:40
Under pails 4:38, 4:39
From level 4.74 m. (SE) - 4.46 m. (chests 4:38) to 4.61 m. (SE) - 4.43 m. (SE). See pages 68 and 72.

Soil: stones, large and small stone chips in soil of a 'greyish brown' to a 'dark greyish brown' colour (Munsell 2.5 Y 5/2 to 4/2). Some wall-blocks.
Pottery: 3,550 gr. Joints with pails 38, 39, 41, 42. Part of 59.82 (see pail 38). 7th B.C. to second half of 7th B.C.

Other: Cobble, bone, limpets in abundance, stone quern, iron

Inventoried: C8062 - aryballos; C8063 - aryballos, 2

17.7.85

We find 2 clumps of iron ore near the centre of the quarter trench and one just half a metre to the south. A large wall block emerges from the fill comparable to those in the diagram, page 68, but larger. A large oval quern with a flat upper surface appears in the south centre of the trench.

The pebbles surface below pails
31, 33, 35, 41

After one pass with 4:40 the search for the pebbles surface begins with:

Pail 4:41
Under pail 4:40
From level 4.61 m. (52) - 4.43 m. (55) to 4.38 m. (58)
- 4.36 m. (58). See page 72.

Soil: Large and small stone chips in soil of olive brown colour (Munsell 2.5 Y 4/4)
Pottery: c. 3,400 bc. Joins with a loam to 35.
7th c. B.C. to late 7th c. B.C.

Other: 4 cobbles, bull's legs, bone

Inventoried: From pails 38-42: C7994 - transport amphora; C7995 - jing; C7996 - skyphos; C7997 - B.C. cup; C7998 - B.C. cup; C7999 - chipped cup; C8000 - East Greek amphora.
After one pass we arbitrarily change pails and dig the same area with:

Pail 5:43
Under pail 5:42
From level 4.47 m. (Ec) - 4.31 m. (Sc) to 4.40 m.
(Sc) - 4.24 m. (Sc). See page 74.
Soil: 'very dark grayish brown' with more rubble


Other: 2 cobbles, bone, charcoal

Inventoried:

An enormous wall block, probably fallen from the northern wall of Building P, begins to emerge in the trench's southeast corner. Soon after we uncover the western end of the northern wall of Building P. The rubble is densest near the east end of the trench, thinning a bit as we move westwards. On the whole there are relatively few sherds. We removed a wall-block of small size (.3m. in length) from the fill in the south centre of the trench.

After one pass there is a change in soil. A surface with sand and earth mixed together and strewn with a few pebbles marks the beginning of a new layer throughout the area of pail 43. We stop digging in the southeast row and turn our attention to the northeast section of G3A previously dug by pails 31, 33 and 35.

In the far northeast corner of the trench there are some rocks and at least one large wall block interrupting the pebble surface (see pages 61 ff.). We remove these stones with:

Pail 4:44
Under pail 4:31
From level 4.64 m. to 4.40 m. (see on page 74).

Soil: stones and one large wall block in hard packed earth.
Pottery: 200 gr., 8 sherds. One is a 7th c. B.C. cup rim. To 7th c. B.C.

Other:
Inventarioed:

We dig the entire northeast quarter except the area below pails 33 and 35 (see on page 62) with:

Pail 5:45 (note level change)
Under pails: 4:31, 4:32, 4:44
From level 4.30 m. (E) - 4.24 m. (W) to 4.47 m. (W)
- 4.20 m. (W). See pages 58, 62, 74, 78.
Soil: dense rubble in the east and pink soil of 'grayish brown' colour (Munsell 2,5 Y 5/2) as we move west.

Pottery: 3,700 gr. Mostly large body sherds of medium/large pots. PG with 219 bits.

Other: 2 specks of Egyptian blue, fragment of Egyptian blue, plaster, bone, charcoal.

Inventarioed: 18.7.85

in the north centre of the half-trough in the east we find the same sand and pebble surface as found below pail 43. In the northeast we clean off a thick layer of stones and stone rubble. We don't dig in the centre-north of the trench because the area is disturbed by a large number of small stones and will be dug by a separate pail.

The picher finds a couple specks of Egyptian blue (cf. pails 23, 26, 59) in loose dirt presumably dug from the present pail yesterday. As I write this he tells me another piece, a small fragment of the same material.
We test to see if the sandy-earth and pebble surface can be found in the centre-north of the trench underneath the dense accumulation of small stones. When we find it in several places we remove the stones with a separate pail.

Pail 5:46
Under pails 4:33, 4:35
From level 4.44 m. - 4.37 m. (c) to 4.33 m. (nc)
  to 4.22 m. (c)

Soil: small stones and large stone chips in soil that ranges from black burnt earth (in the north) to dark greyish brown

Pottery: 4300 g. Some 76 but mostly undiagnostic.
  Join with 4:5. Fragment of a 9th c. B.C. Impressed Be
  cup/shypsh. Impressed lid or pedestal? 9th c. B.C.
  To 9th c. B.C.

Other: bone, stone tool, charcoal

Inventoried.

We continue to investigate the rocks in the eastern part of the trench by digging a strip 1.75 m. wide parallel to the eastern border of the trench with:

Pail 5:47
Under pail 5:43, 5:45
From level 4.47 m. (we) - 4.20 m. (ce) to varied elevations
  from 4.35 m. - 3.94 m. See pages 74, 75.

Soil: 'olive brown' loam (Strassler 2.5Y 4/4) with stone
  chips and large blocks

Pottery: 4000 g. Solid P6. 7 fragments of Punician
  amphorae. An L76 large Bell shypshes.
  To 9th c. B.C.
Other: Egyptian blue (see page 78), flint, bone, diatomite, weathered pebbles (S 1979).
Inventoried: C 8047 - Jug neck; C 8048 - Bell skyphos; C 8049 - Bell krater.

19.7.85

While digging under the northwest corner of the block marked B in the diagram on page 78 we find a collection of small stones with naturally formed holes and depressions. We remove 30 of them while sounding for the bottom of block B. We don't reach the bottom of the block at this point. Presumably there are more such stones below. Dr. Shaw identifies them as undifferentiated weathered pebbles. In the next pail too we find a couple of stones with odd natural formations, one triangular in the shape of a Toblerone chocolate bar, the other with a shape which the shepherd takes to be bull's testicles. Just above these pails a couple of other odd natural stones are noticed, a large tongue shaped beach pebble and a rock with an incised line apparently natural. It appears that the inhabitants of these layers had a keen interest in geology.

We clean down to a layer of stones and blocks stretching across the eastern edge of the trench. In the middle of the eastern strip and opening to the west (see diagram p. 78) there is a hollow section devoid of rocks, though this is at least partially due to the irrepressible enthusiasm of the pitmen.

We now turn to the remainder of the eastern half of the trench and dig a pass with:

Pail 5:48
Under pails 43, 45, 46
From level 4.36 m. - 4.22 (e) to 4.29 m. - 4.14 m. (sc). See diagrams on pages 78 and 80.
Soil: Some stones and larger stone chips in dark greyish brown soil (Munsell 2.5Y 4/2).


Other: Egyptian blue, charcoal bone, a stone tool fragment, some naturally formed stones of odd shape (see page 83).

Inventoried: c8050 - flask; c8051 - jug PB; c8052 - bull's leg?

The soil in the north of the section excavated by this pail (see diagram on page 80) appears softer and has more stoney rubble. It is darker in colour. We begin to follow this darker layer with:

Pail 5:43
Under pails 48 and 26.
From level 4.29 m. - 4.14 m. to 4.11 m. - 4.04 m.
See diagrams on pages 81, 82, 82.

Soil: Soft sandy dark earth with small stones and some beach pebbles of 'very dark greyish brown' colour (Munsell 2.5Y 3/2).

Pottery: 3,300 gr. Joins c3344 figurine on Temple A floor 2. Solid PB to PBG. Phoenician amphora. 9th c B.C.

Other: Bone, shell, fossilized shell.
Inventoried: c8242 - bottle lower E.G. amphora
earth runs under the lighter earth to the south. We therefore interrupt pail 4.9 and dig down the earth to the south with a new pail in search of the burnt surface:

Pail 5.50
Under pail 5.48

From level 4.25 m. to 4.22 m. - 4.12 m. G

Soil: Some stone chips in soil of dark greyish brown colour (channel 2.84/12).

Pottery: Joins C8051 to pails 4.8 and 22 - PGB juglet
Joins C3344 to pail 4.9 etc., and Temple A Floor 2
Joins C6142 to Temple A Floor 2; Joins C6147 in 479 of Temple A period, To PGB 978 B.C.

Other: crab claw (cf. pail 4.34), Egyptian blue fragment, plaster, shell, bone

Inventario: pail of C8261 (cf. pails 21, 23, 24)

The dark earth peters out as we move further south but in the place we find the same surface marked by beach pebbles.

22.7.85

We find the burnt / pebble surface throughout the south and also remove the earth to the northeast between pail 5.49 and 5.47. In the far northeast we find a piece of plaster but no sherds; there are only a few centimetres of earth above the continuation of the stone spoil found in pail 4.7. In this area there is no evidence of the burnt / pebble surface.

To the south in the area under pail 5.50 and
south of the spill of rocks (see diagram, page 84) we dig under the burnt/pebble surface with:

Pail 5:51
Under pail 5:50
From level 4.12 m - 4.12 m to 4.12 m - 4.05 m (See diagrams, pp. 80, 84).

Soil: "olive gray" colour (Munsell 5 Y 4/2).


Other: charcoal, ball's leg, bone, lead

Inventoried: C3126: Ball's leg, joins pail 26 + 3412/5:46
C8097: neck of Phoenician amphora; 220 - lead line weight

In and around a burnt area surrounding an upright stone which we at first suspect to be a health we dig with:

Pail 5:52
Under pail 5:49
From level 4.11 m - 4.06 m to 4.01 m - 3.98 m (See diagrams, pages 82, 84).

Soil: dark grayish brown to very dark grayish brown

Pottery: scrappy PG. 750 gr.

Other: tool, bone, plaster

Inventoried:
We soon find that in the area of the upright rock the burning is only superficial and that it does not represent a hearth. Nevertheless we continue digging in the northeastern section of the trench and expose more of the spill of rocks that radiates from the east.

While digging pit 5:51 we come upon yet another surface. This one has large black and blue beach pebbles scattered just above burnt earth and smaller stone chips. While pursuing this surface we come upon a very large block apparently in situ just under the surface we seek. Some of the surface above this block is lost to 'Gold Rush Fever'.

When we have found the surface of chips and burning throughout the southern area of pit 5:51 we begin to dig it up with:

Pit 5:53
Under pails 5:47, 5:51, 5:52 (see diagram, p. 90).
From level 4.12 m. - 4.05 m. to 4.08 m. - 3.96 m. See pages 78, 84, 90.

Soil: Stone chips (mainly small) and stones in soil of 'olive' colour (Munsell 5 Y 5/3)

Pottery: 2,000 gr. L96 scraps. 9th c. B.C.

Other: Egyptian blue (cf. pages 85, 83, 79, 71, 55, 47)
2 tools, bone

Inventoried: C8085 - Phoenician amphora
C8086 - bull's leg; C8087 - bull's horn