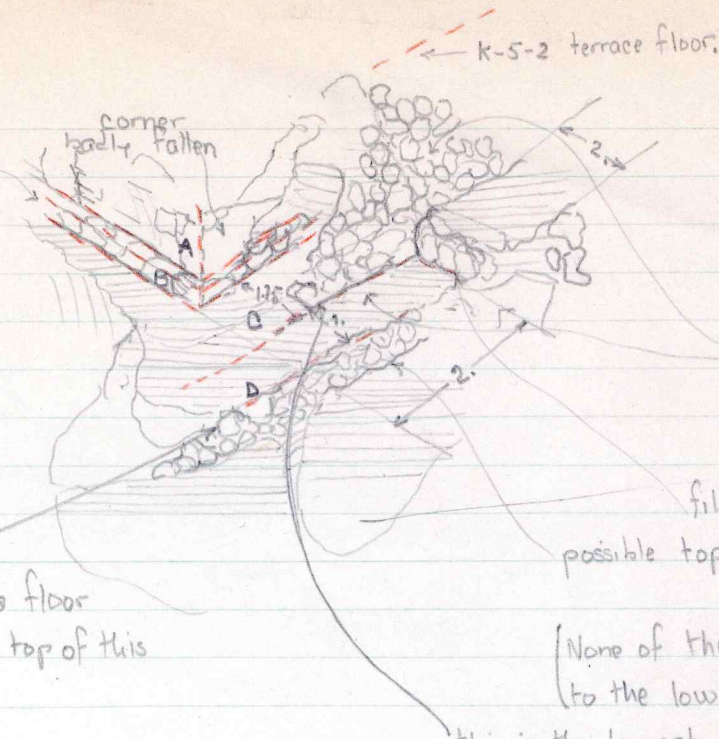


K-5

K-5 3/16/39

plinth of K-5-3



Digging levels left rear outside corner of K-5-3

possible K-5-2 rear of building platform.

fill wall possible top of upper K-5-2 terrace

traces of a floor found on top of this wall.

(None of these walls have been followed to the lowest stones to moment.

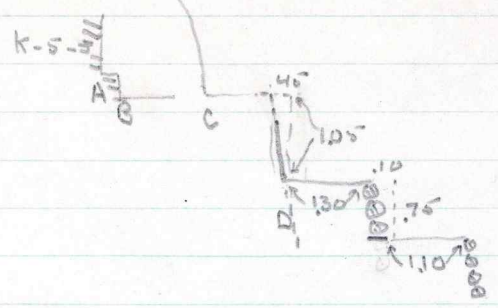
this is the lowest stone of this wall. Small stones and fill are below it.

Tape from front left corner of K-5-3 building wall along <sup>end</sup> wall to edge of "D" reading 11.50. Supposedly K-5-2nd terrace upper edge.

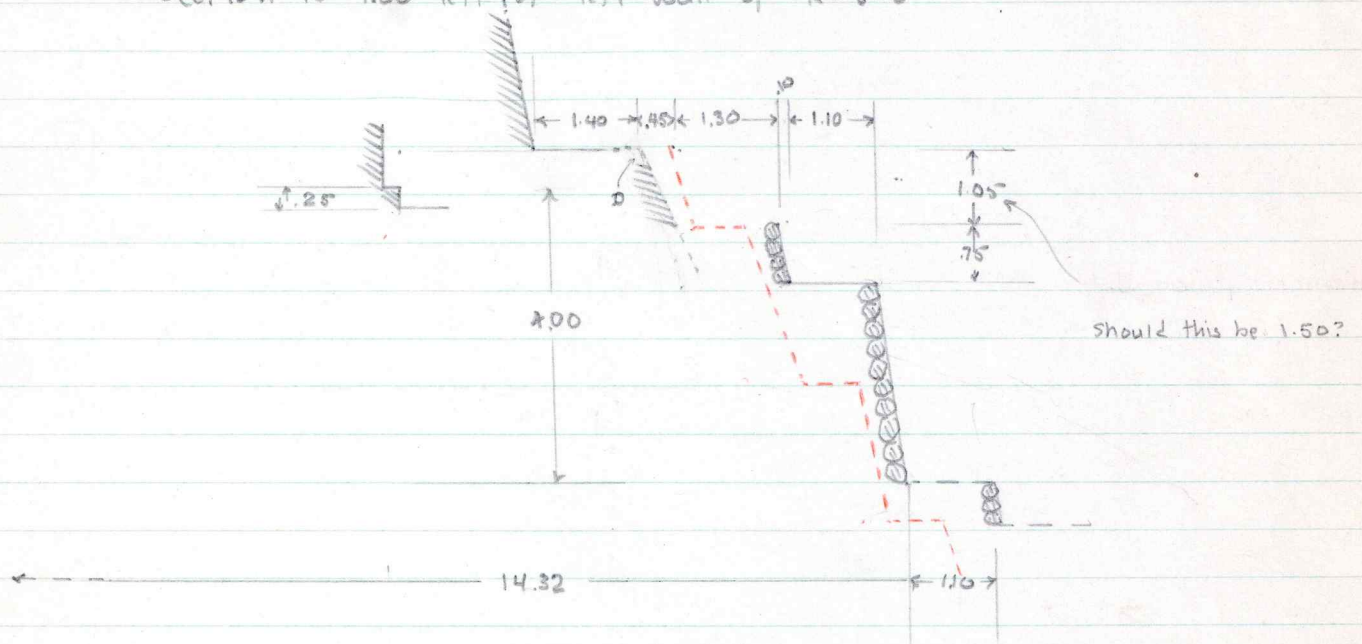
Meter stick from outside of C to edge of D reading 1.45 <sup>Δ</sup>

K-5 3/18/39

Check numbering with 3/16/39  
Cross section through walls from left rear corner of K-5-3  
to outside of pyramid. Measurements  $\Delta$  controlled with meter stick.



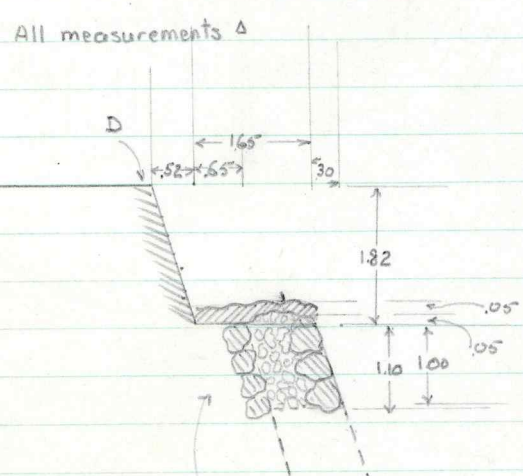
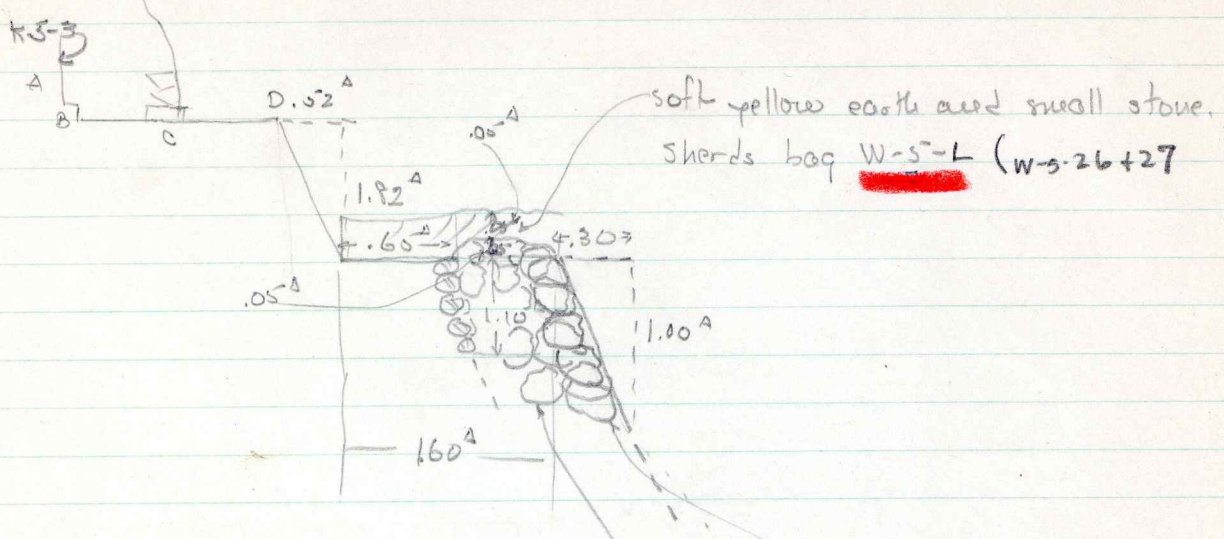
Section is 1.00 left of left wall of K-5-3



See work sheet 3 for lower measurements.

--- = TAP's reconstruction of K-5-1st.

K-5 3/20/38  
 trench from left rear corner K-5-3 See 3/18 under K-5-2.  
 Measurements  $\Delta$



fill used - small  
 wall of large rocks

(From above notes to scale 1:100)

notes made by L.S.  
 from appearance  
 of fill at right  
 side of trench

This does not check with 3/18  
 check with further sections more to left of  
 this cut.

K-5-2  
(-1)

K-5, left rear trench ("Pancho's pit")

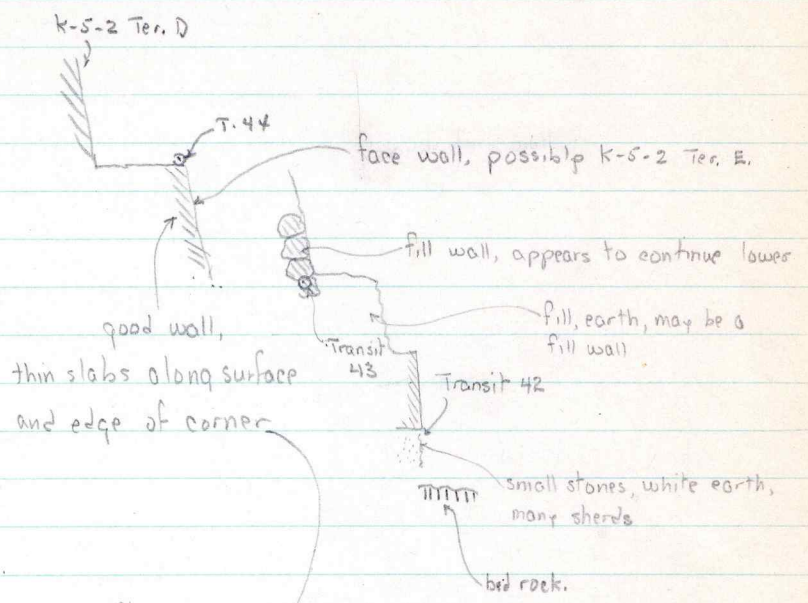
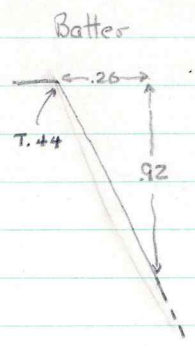
K-5-1 (2.)

4-13-39

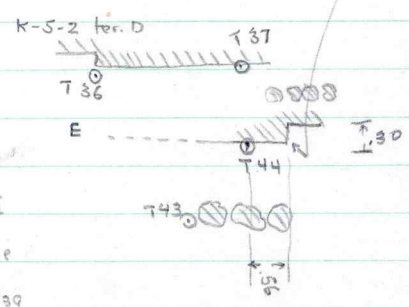
B 10 - 43 = 14.22 (+)

B 10 - 42 = 12.62 (+)

Section



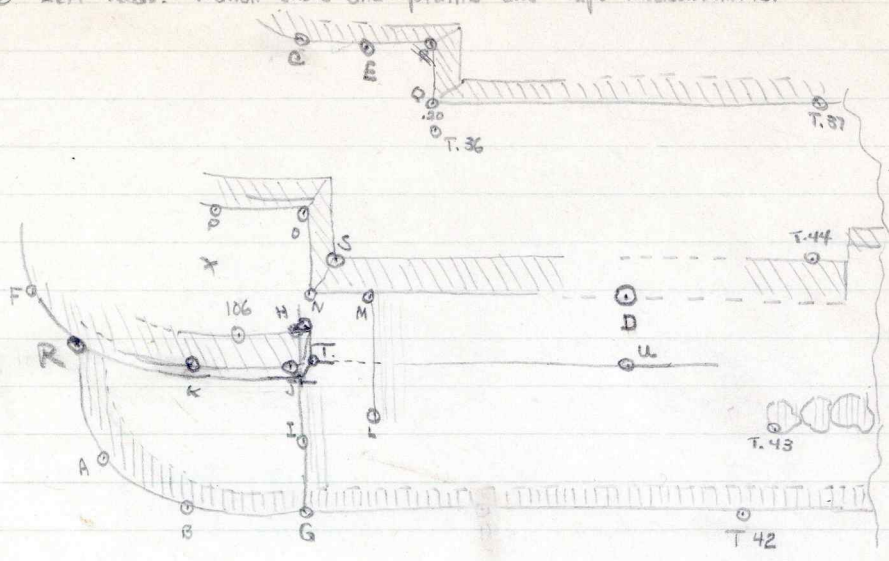
Plan



For h's of these points see back of sheet of Misc. Level location part

Note: point 44 shot first on this date, from B10 and B11, a third shot or a tape measurement were not then made. A Δ measurement had been made on 3/20/39 when the trench was first dug, and this was thought to be a fill wall. When the trench was complete, two attempts (See K-5-3 5/25/39) were made to check AS by point 44. Neither worked, I then assumed that 44 had slipped because of the undercutting of the wall. On 6/15/39 the wall was cleared 5 meters toward the center, but point 44 and the top corner of the panel fell in the digging because of the undercutting. 44 does not check with any of the new points (which check in themselves) and therefore is discarded. (Note also confusion between points AK and D at the base of this wall, both points checked when drawn.) (Note later: Point D is a higher point on the wall, which is bulging badly. (See L.S. notes)

5/5 K-5-1,2 Left Rear. Transit shots and plumb and tape measurements.



T-108 = 6.70 (+)  
 T-107 = 5.08 (+)  
 T-106 = 1.03 (+)

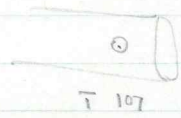
R-107 = 5.68 (+)  
 R-108 = 8.81 (+)  
 R-106 = 1.89 (+)

Top of bottom stone

Top of wall {  
 U-107 = 5.80 (+)  
 U-108 = 5.80 (+)  
 D-U = .91



T107 - T108 = 4.30 (+)



Point A not at bottom stone.

A	T-108 = 4.50 (+)	-108 = 7.69 (+)	-106 = 1.62 (+)	On point .10 from wall, not bottom stone.
B	107 = 3.36 (+)	-108 = 6.46 (+)	-106 = 1.92 (+)	
C		C-S = 2.76 (+)	-106 = 3.04 (+)	
D	107 = 6.68 (+)	-108 = 6.67 (+)	106 = 3.52 (+)	Not bottom stone, one course below wall base (See Lis notes) (goes down .20)
E	E-T-36 = 1.25 (+)	E-S = 2.01 (+)	-106 = 2.61 (+)	
F	-107 = 6.73 (+)	-108 = 9.93 (+)	-106 = 2.82 (+)	Not at bottom stone
G	C-107 = 2.99 (+)	-108 = 4.84 (+)	-106 = 2.60 (+)	Point not on bottom stone.
T-42	-107 = 4.31 (+)	-108 = 3.97 (+)	-106 = 3.90 (+)	Not on bottom stone. Map not be 42, now buried.
H	107 = 5.32 (+)	-108 = 6.91 (+)	-106 = 1.01 (+)	
I	107 = 4.06 (+)	-108 = 5.78 (+)	-106 = 1.62 (+)	Not on bottom stone
J	107 = 5.05 (+)	-108 = 6.69 (+)	-106 = 1.04 (+)	on apron, 10 from outset, 10 from base of wall
K	-107 = 5.19 (+)	-108 = 8-11 (+)	-106 = 1.18 (+)	on apron
L	-108 = 4.54 (+)	-108 = 5.55 (+)	-106 = 2.14 (+)	In right line, but too low, may not be a wall stone.
M	107 = 5.82 (+)	-108 = 7.00 (+)	-106 = 1.70	Top of lowest stone, probably a fill stone, slight forward of wall
N	-107 = 5.93 (+)	-108 = 7.39 (+)	106 = 1.44	Point at floor level.
O	107 = 6.11 (+)	-108 = 7.36 (+)	N-O = .18	Point on displaced bottom stone (?) .10 cm out from each wall.
P	-107 = 6.19 (+)	-108 = 8.02 (+)	106 = 1.11	Point not on bottom stone, but probable floor level.
Q		Q-E = 1.19 (+) ?	106 = 3.07 (+)	
R	-107 = 5.67 (+)	-108 = 8.81 (+)	-106 = 1.90 (+)	R = top of bottom k-5-2 stone.
S	107 = 5.71 (+)	-108 = 7.34 (+)	106 = 1.00	Highest standing point of wall at corner.
106	107 = 5.16 (+)	-108 = 7.43 (+)		



S-5-39 K-5-1-2 Left nos

① hi above misc. Level point 4 = .355

A

B rod down - 2.825 from ③  

$$\begin{array}{r} - 8.545 \\ - 11.370 \end{array}$$

C rod down - 3.42 from ①  

$$\begin{array}{r} - 4.695 \\ - 8.115 \end{array}$$

D rod down - 2.98 from ②  

$$\begin{array}{r} - 6.56 \\ - 9.54 \end{array}$$

E rod down - 3.195 from ①  

$$\begin{array}{r} - 4.695 \\ - 7.890 \end{array}$$

F see 6-2-39 under K-5-3

G rod down - 2.71 from ③  

$$\begin{array}{r} - 8.545 \\ - 11.255 \end{array}$$

H rod down - 3.07 from ④  

$$\begin{array}{r} - 6.56 \\ - 9.63 \end{array}$$

I rod down - 2.75 from ③  

$$\begin{array}{r} - 8.545 \\ - 11.295 \end{array}$$

J rod down - 2.905 from ③ (bottom stud of wall)  

$$\begin{array}{r} - 8.545 \\ - 11.350 \end{array}$$

K rod down - 3.625 from ④ (bottom stud of wall)  

$$\begin{array}{r} - 8.05 \\ - 11.675 \end{array}$$

L } fill wall, bottom not finish  
 M }

N rod down - 3.175 from ②, N' rod down 3.07 from ②  

$$\begin{array}{r} - 6.560 \\ - 9.735 \end{array}$$

O rod down - 3.38 from ②  

$$\begin{array}{r} - 6.56 \\ - 9.94 \end{array}$$

P (see x)

Q rod down - 3.02 from ①  

$$\begin{array}{r} - 4.695 \\ h = - 7.715 \end{array}$$

R' - 3.725 from ④ (K-5-2 wall)  

$$\begin{array}{r} - 8.05 \\ - 11.775 \end{array}$$

S rod down - 3.40 from ①  

$$\begin{array}{r} - 4.695 \\ - 8.095 \end{array}$$

② hi above 44 = 0.955

T rod down 1.64 from ④

U rod down - 1.53 from ④

V rod down - 2.98 from ①

W rod down - 2.92 from ①

X rod down - 3.105 from ② (surface plaster in position)

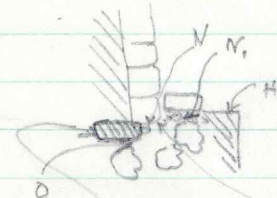
106 rod down - 3.14 from ②

③ hi above 106 = 1.155

42 rod down - 2.49 from ③  

$$\begin{array}{r} - 2.49 \\ - 8.545 \\ - 11.035 \end{array}$$

Section of O-N



④ hi above H = 1.58

block below floor level, foreward of wall line. Two blocks in this line, extending .76 from corner.

4 h	= -5.080
① hi	+ .355
	-4.695

44 h	= -7.515
② hi	+ 0.955
	-6.560

	-9.700
	+1.155
3 hi	= -8.545

	-9.63
	+1.58
hi	= -8.05

R' - 3.51 from ④ (K-5-1 wall)  

$$\begin{array}{r} - 8.05 \\ - 11.56 \end{array}$$

Levels, k-s-1, 2, For cross-section in Parekha's Pit (Left rear)

42 down - 3.035  
 43 down - 0.97  
 bed rock down - 3.465

} Same hi ①

37 down - 1.365  
 36 down - 1.57  
 44 down - 1.34  
 43 down - 2.855

} same hi ②

h 37 from s/s/37 = -7.625 (read from Misc Level 4) 7.650  
7.625  
-----  
.025

h 37 from k-s-3 levels, bldg platform = -7.65 (read from Misc Level 9)

h 36 from s/s/39 = -7.715 (read from Misc Level 4) 7.175  
7.715  
-----  
.060

h 36 from k-s-3 levels = -7.775 (read from Misc Level 9)

37 = -7.625  
 + 1.365  
 -----  
 -6.260 = hi ①

36 - 7.715  
 + 1.57  
 -----  
 6.145 = hi ②

① hi from zero + 0.68

1. not down - 2.815 to point on top k-s-3 bldg wall  
 + .68  
 -----  
 - 2.135

② New hi from this 0.715 above 1 -2.135  
+ .715  
-----  
-1.420

Misc level 4 not down - 3.63 from hi ②  
 - 1.42  
 -----  
 - 5.05

③ hi above + - 5.05 from ② 42 not down - 7.235  
 + 0.44 - 3.755  
 -----  
 hi ③ = - 4.61 - 10.990

44 not down - 2.895  
 - 4.61  
 -----  
 - 7.505

37 not down - 2.98  
 - 4.61  
 -----  
 - 7.59

36 not down - 3.15  
 - 4.61  
 -----  
 - 7.76

④ above 44 read .27  
 - 7.505  
 + .27  
 -----  
 - 7.235

~~10142~~ -  
 10142 - 10.99  
 (12) 42 - 11.035

(1) R - 11.775

F - ~~11.755~~

44 also -7.505 from (2) see p. 66

42 - 11.035 from (44) - 7.515 from Noise Level (4)

F - 11.755 from (AG) - 9.71 from (106) - ~~9.70~~ - 9.70 from (44) - 7.515 from (4)

~~F - 12.175 from 7.11~~

~~F - 12.215~~

DD - 11.675 from (71) (preferable,)

DD - 11.685 above (E) above (71)

DD - 11.495 from (AG)

36 - ~~7.775~~ - 7.775

$$\begin{array}{r} 5/3/39 \quad - 7.715 \\ + 1.57 \\ \hline \text{hi 2} \quad - 6.145 \\ - 1.34 \\ \hline 44 = - 7.485 \text{ From (4)} \end{array}$$

$$\begin{array}{r} - 7.775 \\ + 1.57 \\ \hline \text{hi 2} \quad - 6.205 \\ - 1.34 \\ \hline 44 = - 7.545 \text{ From (4)} \\ + 7.515 \\ \hline . 030 \end{array}$$

$$\begin{array}{r} + 7.515 \\ - 7.485 \\ \hline - . 030 \end{array}$$

5-17-39 K-5-1 and 2, Left rear corner.

Terrace D

Batter: out .39 down 1.69 at T.37  
 Depth of outset: .20 (near bottom, upper parts narrower.  
 Slope of outset: out .12 down 1.54. Slightly irregular line.  
 Apron: if existed, not visible now, though wall stands to height above where apron should be (maybe at a point .50 above T.36. Depth .10. 2 poor stones only.) (see elevation)

Terrace E

Batter: (at T.44) out .29, down 1.00, wall probably bulging, not dug to bottom yet.  
 Depth of outset: .16, .20, .20, .27 (intervals of .20<sup>a</sup> top to bottom.)  
 Angle of fall of outset: 1.76 down, .38 in. (see elevation.)  
 Apron: possibly did not exist, one line of stones .63 above level N may be apron. Depth: .07

Terrace F

Thin white plaster directly on the stone in a few spots.

Batter: .16 out between T and base of wall. Base of wall .14 out from J.  
 Depth of outset: at top, .28 At Apron: .11 at bottom: .21  
 Slope of outset: (falling out) .12 T to level J.  
 Apron: height above level J: .55 depth stone to stone: at J: .05  
 height above K = .88 at K: .10

K-5-1 additions to K-5-2

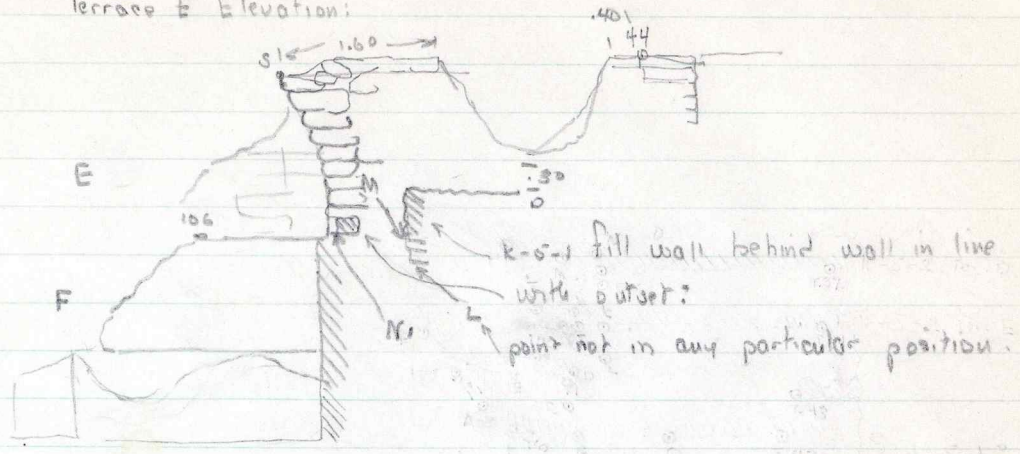
No batters or slopes measurable.  
 Stands to - at:  
 .52 at A, .40 at B, .70 at G, .69 at H, Z.

Fill wall M-L stands at M to .89 above level N.

K-5-2 Ter. F. Rounded corner, Very large stones, deeply tailed into the corner. (Pancho says: Stands at F .93 above lowest stone, vertical. (no batter measurable) 100-150 kil

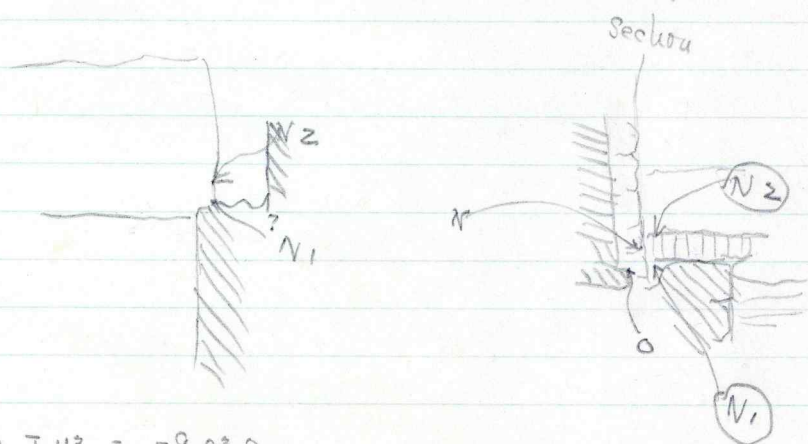
5/5 K-5-1 and 2 Left rear. Transit shots and plumb and Tape measurements.

Terrace E Elevation:

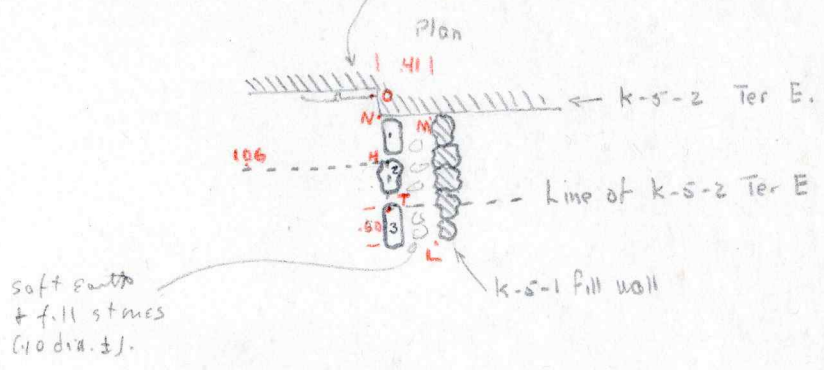
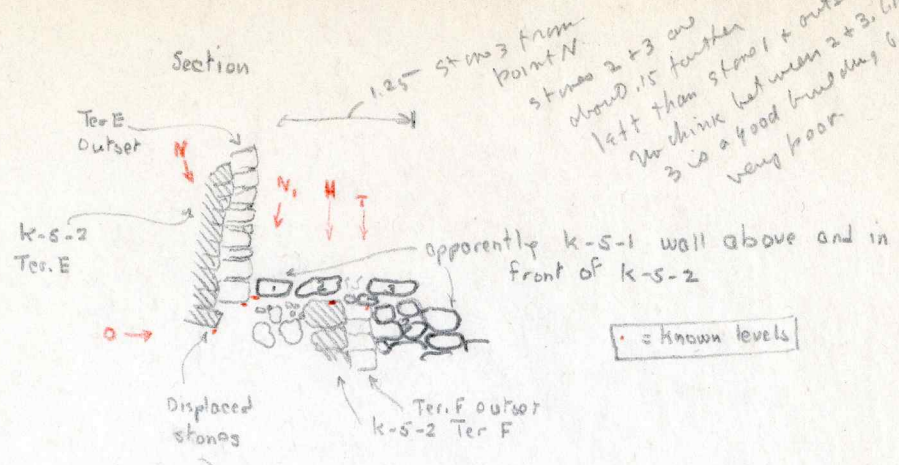


Levels:  $h_i = 2.885$  above T.43

- H Down - 3.465 floor?
- N Down - 3.53 (top stone of wall coming in from K-5-1)
- N1 Down - 3.50 balustrade
- N2 - 3.50 top stone of wall coming in from K-5-1



$$\begin{aligned}
 h_{T.43} &= -9.030 \\
 &+ 2.885 \\
 \hline
 h_i &= -6.145 \\
 &- 3.465 \\
 &- 6.145 \\
 \hline
 h_H &= -9.610
 \end{aligned}$$

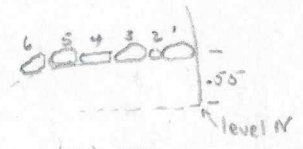


For elevation see previous page.

N2 stw

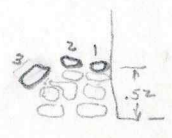
Conclusion. Stones 1-3 probably continuous with k-s-1 side wall below; rising above but fallen to this level. MZ probably a fill wall behind it.

Terrace E, Apron, so called  
Elevation:



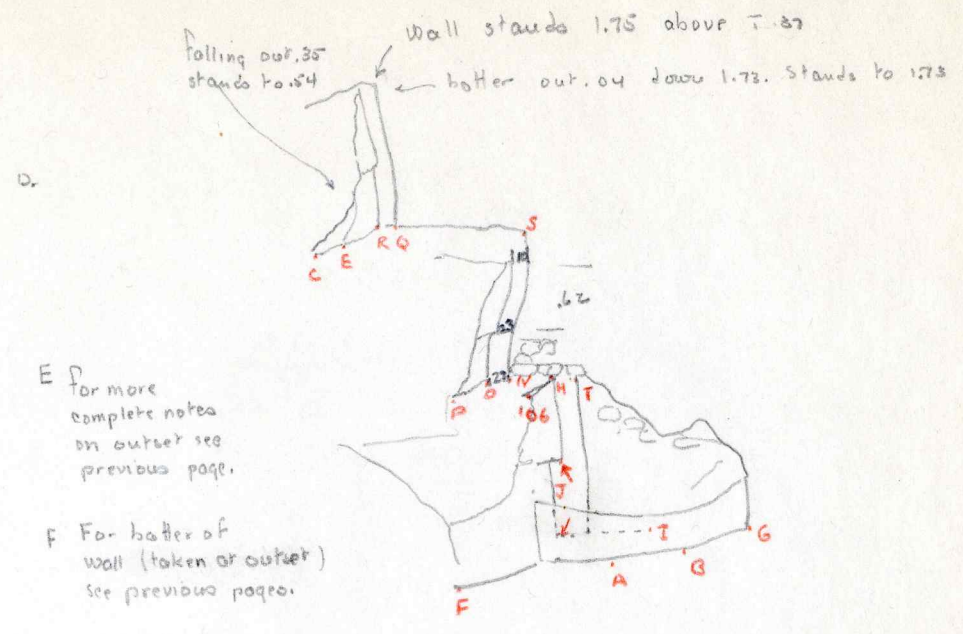
These stones project .07 at outset to .12 at stone 4. Stones 5 and 6, falling, appear to be rather long, and set deep in the wall.

Terrace D, Apron, so called



Stones project about .10. Stones above these 3 are about in the same plane as they are.

Side Elevation of Left rear corner.



Red points are located in plane and in level.

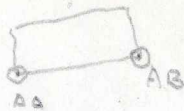
5/26/39.

K-5-2 Left rear corner.

Additional points AA and AB.

Wall stands to .46 at AA

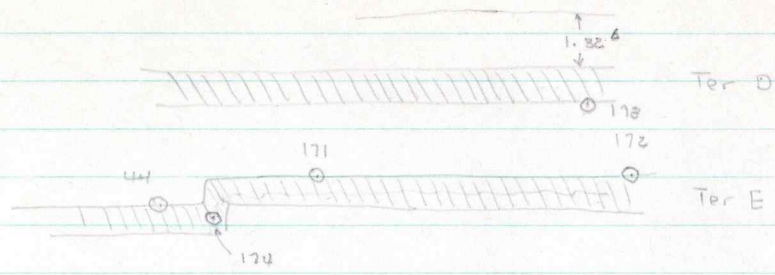
to .39 at AB



AH-

Wall falling out .08 in .75 above this level.

6-25-39 K-5-2 rear



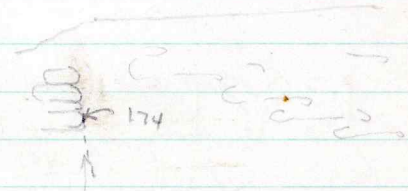
$171 - 172 = 2.42 (+)$   
 $171 - 173 = 2.94 (+)$   
 $172 - 173 = 1.15 (+)$   
 $174 - 171 = 1.96 (+)$

Best batter of Ter E out .20 down .97,  
 at a point .90 from 172. Wall bulges slightly  
 at 172  
 Batter above 173 out .27 down 1.10

① hi above K-S-B plinth center  $h = -4.95$   
 rear, read 1.71 +1.71  
① hi = -3.24

Elevation of Panel corner:

Top of wall above 173 read down - 1.65  
- 3.24  
- 4.79  
 173 read down = 3.79 (plaster floor in pos.)  
- 3.24  
- 7.03  
 172 read down = 3.705 (top of wall)  
- 3.24  
- 6.945  
 171 read down = 3.96 (top of wall)  
- 3.24  
- 7.20



batter out 17 down .63, upper stones  
 may have parted off from wall, corner looks  
 as if it is falling to the left, (into our former  
 trench)

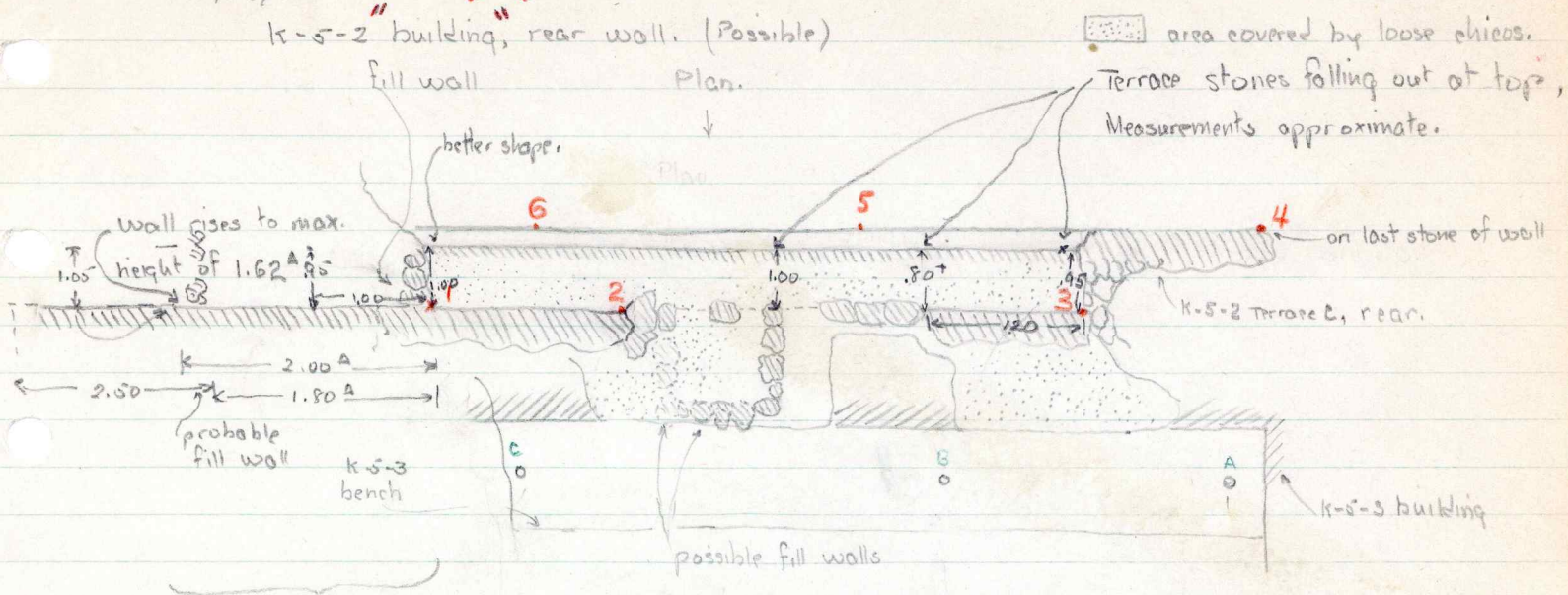
Top of ter D behind 171 read down - 1.84  
3.24  
- 5.08

Depth .31 at lowest visible point

(Two top points of ter D are 2.75' apart)  
 ② hi above 171 read  $\frac{1}{2} + .225$   
- 7.20  
- 6.925

174 read down = 1.435 from ②  
- 6.925  
8.360

3/25/39  
 "K-5-2 building" rear wall. (Possible)  
 fill wall proved by L.S. 4/3/39.



best part of terrace, beyond  
 this it is breaking out.

- Point 2 is .06 from bottom face of last block in position
- c to B = 3.11 (+ .05) = 3.06 ✓
  - c - A = 7.01 (+ .05) = 6.96 ✓
  - B - 2 = 4.46 (+ .05) = 4.41 ✓
  - 3 - A = 4.21 (+ .05) = 4.16
  - 3 - B = 2.86 (+ .05) = 2.81
  - 3 - C = 4.73 (+ .05) = 4.68
  - 3 - 4 = 4.03 (+ .05) = 3.98
  - Point 1 is .07 from bottom face of last wall block before fill wall.
  - 1 - C = 3.56 (+ .05) = 3.51 ✓
  - 1 - B = 6.06 (+ .05) = 6.04
  - 4 - A = 3.90 (+ .05) = 3.85
  - 1 - 2 = 1.87 (+ .05) = 1.82
  - 2 - 3 = 4.20 (+ .05) = 4.15 ✓
  - 1 - 3 = 6.11 (+ .05) =

3/28/39

Levels on so-called K-5-2 building rear wall. (Fill wall, proved by LS 4/3/39)  
hi read -3.73 above point 4 (3/21)

$$\begin{array}{r} 0 \\ -5.05 \\ \hline hi = -1.32 \end{array}$$

For points on K-5-2 wall, see 3/25/39

Point 1 read down -1.14  
$$\begin{array}{r} hi = 1.32 \\ \hline h = -2.46 \end{array}$$

$$\begin{array}{r} L 4 = -5.05 \\ \hline New hi + 1.89 \\ -3.16 \end{array}$$
 Gen. Level 4.  
above K-5-2 plinth height center rear.

Point 2 read down -1.22  
$$\begin{array}{r} 1.32 \\ \hline h = -2.54 \end{array}$$

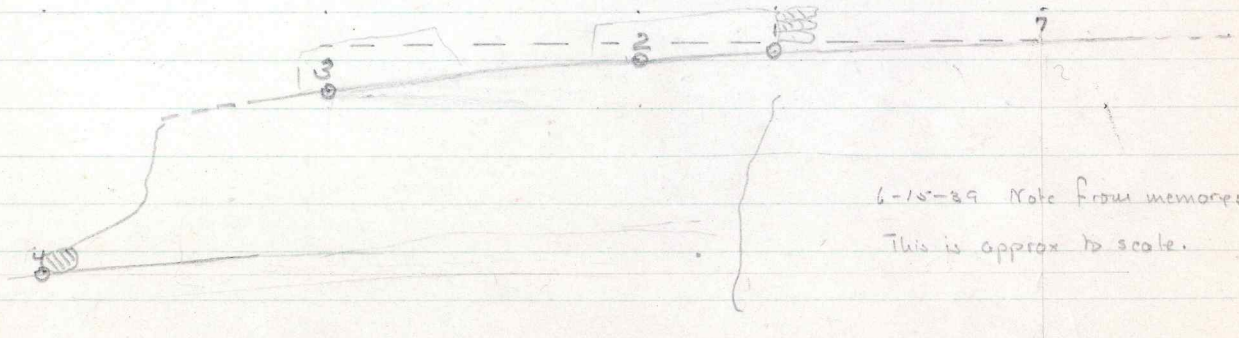
Transit point 22 read down -1.73 lowest stone.  
$$\begin{array}{r} -3.16 \\ -4.89 \end{array}$$

K-5-2 bldg. plot rear (below 22) -2.215 top of wall, plaster  
$$\begin{array}{r} -3.16 \\ -5.375 \end{array}$$
 in position (traces)

Point 3 read down -1.63  
$$\begin{array}{r} 1.32 \\ \hline 2.95 \end{array}$$

Point 4 read down -4.05 (T.20)  
$$\begin{array}{r} -1.32 \\ \hline h = -5.37 \end{array}$$

Point 7 read down -0.885 ~~(T.20)~~ This is the 3 stones remaining of the K-5-1 bldg. plot Terrace (Point 6) See notes under K-5-1  
$$\begin{array}{r} -1.35 \\ \hline h = -2.235 \end{array}$$

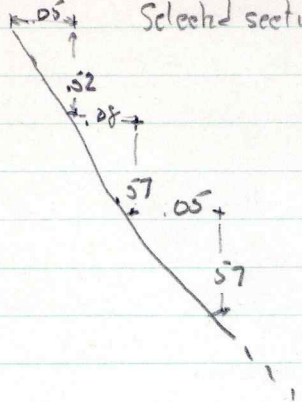


6-15-39 Note from memory:  
This is approx to scale.

3/24/39

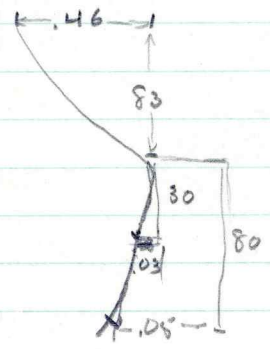
Sections on k-5-2 terrace c rear wall, photographs 42 and 43

Selected section 3.00 from point 5.



.05	.52
.05	.57
.08	.57
.18	.66

Section of greatest bulge, 7.00 from point 5

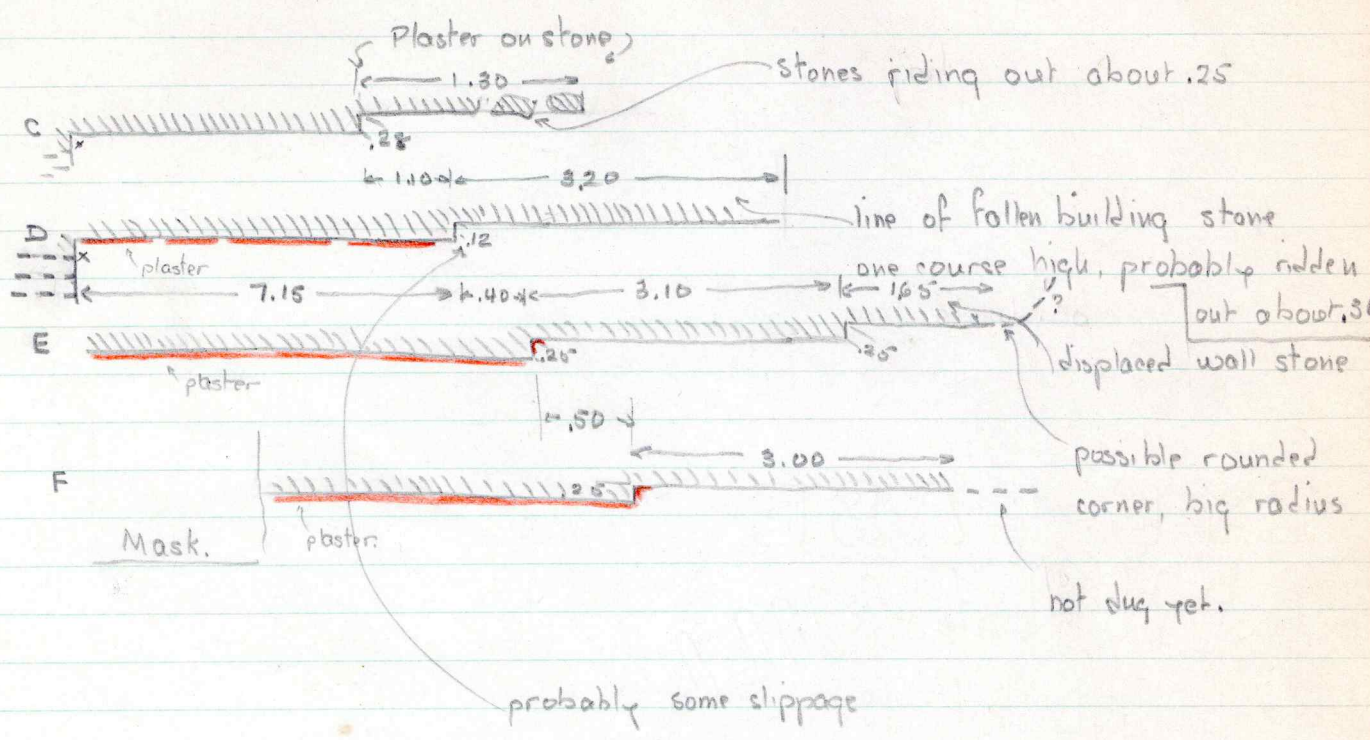


See note under k-5-1 (p ) on location of point 5.

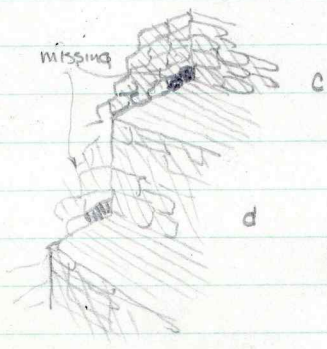
3/22/38.

K-5-2 terraces left front. (to go on Work sheet)

All measurements A

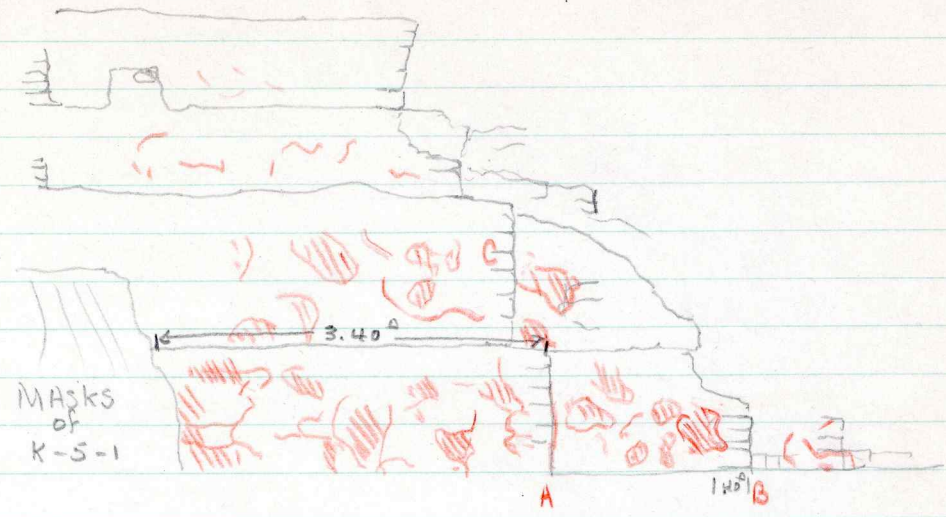


4/4/39 - Note: in corners of terraces C and D where terraces pass under stairway, (marked x on sketch) the lowest stone of the stairway side wall next to the corners appears to be missing. This is not true on the other side of the stairway on terrace D.



3/24/39.

K-5-2 left terraces: occurrence of plaster.



Red indicates general location of surfacing plaster, largely in poor condition and falling away from the wall.

- Batters of insets
- A .065 in 1.81
  - B none, stands to 2.05
  - C .03 in 1.76

level points. Inset corners k-5-2 front left terraces.

$$\textcircled{1} \begin{array}{r} \text{hi read up } -5.225 \\ + 2.335 \\ \hline \text{from point 9.} \\ \text{hi} = -4.990 \end{array}$$

$$\begin{array}{l} C = -5.78 \\ D = -7.50 \\ E = -9.88 \end{array}$$

D (point at base of first outset from center of building.)

$$\begin{array}{r} \text{read down } -2.415 \\ -4.990 \\ \hline h = -7.405 \quad (-7.40) \end{array}$$

Check these points for relation to bottom stone of corner, point is marked in red thus  $\textcircled{\color{red}O}$  on flat stone.  
see corrections  $\downarrow$

$$\textcircled{2} \begin{array}{r} \text{new hi read up } +1.39 \text{ from D} \\ -7.405 \\ \hline \text{hi} = -6.015 \end{array}$$

$$\begin{array}{r} E \text{ read down } -3.75 \\ -6.015 \\ \hline h = -9.765 \quad (-9.76) \end{array}$$

$$\textcircled{3} \begin{array}{r} \text{new hi read up } -5.225 \\ + 0.68 \text{ from 9.} \\ \hline \text{hi} = -4.545 \end{array}$$

This leveling is superseded by complete leveling done on the terraces after excavation.

C (point at base of 1437 outset)

$$\begin{array}{r} \text{read down } -1.235 \\ -4.545 \\ \hline h = -5.780 \end{array}$$

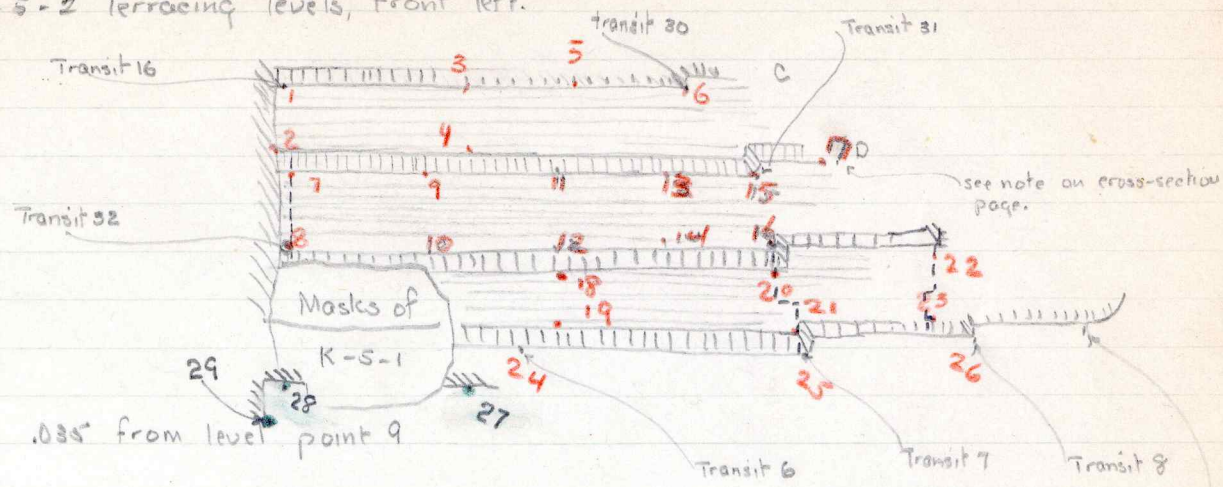
- $\checkmark \therefore hD = -7.505 \quad (-7.50)$
- $\therefore hE = -9.865 \quad (-9.86)$
- E is .02 above the lower edge of the lowest stone
- $\checkmark \therefore hE = -9.885 \quad (-9.88)$



4/11/39 Terracing levels K-5-2 Front left. Calculations

- |  |  |   |
|--|--|---|
| $\begin{array}{r} 9 \quad h = -5.225 \\ \quad \quad \quad .035 \\ \hline \textcircled{1} \quad h_i = -5.190 \end{array}$ | $\begin{array}{r} 6 \quad h = -5.78 \\ \quad \quad \quad +3.84 \\ \hline \textcircled{2} \quad h_i = -1.94 \end{array}$  | $\begin{array}{r} 22 \quad -6.71 \\ \quad \quad \quad 2.995 \\ \hline h = -9.705 \quad (\text{sap} - 9.71) \end{array}$     |
| $\begin{array}{r} 6 \quad -5.19 \\ \quad \quad -0.59 \\ \hline h = -5.78 \end{array}$                                    | $\begin{array}{r} 1 \quad -1.94 \\ \quad \quad -3.04 \\ \hline h = -4.98 \end{array}$                                    | $\begin{array}{r} 23 \quad -6.71 \\ \quad \quad -2.84 \\ \hline h = 9.55 \end{array}$                                       |
| $\begin{array}{r} 8 \quad -5.19 \\ \quad \quad -1.95 \\ \hline h = -7.14 \end{array}$                                    | $\begin{array}{r} 2 \quad -1.94 \\ \quad \quad -3.07 \\ \hline h = -5.01 \end{array}$                                    | $\begin{array}{r} 18 \quad -9.50 \\ \quad \quad 2.735 \\ \hline \textcircled{4} \quad h_i = -8.765 \quad -7.10 \end{array}$ |
| $\begin{array}{r} 9 \quad -5.19 \\ \quad \quad -2.04 \\ \hline h = -7.23 \end{array}$                                    | $\begin{array}{r} 3 \quad -1.94 \\ \quad \quad -3.13 \\ \hline h = -5.07 \end{array}$                                    | $\begin{array}{r} 24 \quad -8.765 \\ \quad \quad -3.115 \\ \hline h = -11.880 \quad (\text{sap} - 11.27) \end{array}$       |
| $\begin{array}{r} 10 \quad -5.19 \\ \quad \quad -2.04 \\ \hline h = -7.23 \end{array}$                                   | $\begin{array}{r} 4 \quad -1.94 \\ \quad \quad -3.15 \\ \hline h = -5.09 \end{array}$                                    | $\begin{array}{r} 25 \quad -8.765 \\ \quad \quad -3.16 \\ \hline h = -11.925 \quad (\text{sap} - 11.93) \end{array}$        |
| $\begin{array}{r} 11 \quad -5.19 \\ \quad \quad -2.14 \\ \hline h = 7.33 \end{array}$                                    | $\begin{array}{r} 5 \quad -1.94 \\ \quad \quad -3.30 \\ \hline h = -5.24 \end{array}$                                    | $\begin{array}{r} 26(1) \quad -8.765 \\ \quad \quad -3.42 \\ \hline h = -12.185 \quad (\text{sap} - 12.19) \end{array}$     |
| $\begin{array}{r} 12 \quad -5.19 \\ \quad \quad -2.01 \\ \hline h = -7.20 \end{array}$                                   | $\begin{array}{r} 15 \quad h = -7.54 \\ \quad \quad \quad +0.89 \\ \hline \textcircled{3} \quad h_i = -6.71 \end{array}$ | $\begin{array}{r} 26(2) \quad -8.735 \\ \quad \quad -3.515 \\ \hline h = -12.250 \end{array}$                               |
| $\begin{array}{r} 13 \quad -5.19 \\ \quad \quad -2.23 \\ \hline h = -7.42 \end{array}$                                   | $\begin{array}{r} 7 \quad -6.710 \\ \quad \quad -0.435 \\ \hline h = -7.145 \quad (\text{sap} - 7.15) \end{array}$       |   |
| $\begin{array}{r} 14 \quad -5.19 \\ \quad \quad -2.14 \\ \hline -7.33 \end{array}$                                       | $\begin{array}{r} 18 \quad -6.71 \\ \quad \quad -2.79 \\ \hline h = -9.50 \end{array}$                                   |   |
| $\begin{array}{r} 15 \quad -5.19 \\ \quad \quad -2.35 \\ \hline h = -7.54 \end{array}$                                   | $\begin{array}{r} 19 \quad -6.71 \\ \quad \quad -2.85 \\ \hline h = -9.56 \end{array}$                                   |   |
| $\begin{array}{r} 16 \quad -5.19 \\ \quad \quad -2.34 \\ \hline -7.53 \end{array}$                                       | $\begin{array}{r} 20 \quad -6.71 \\ \quad \quad -2.815 \\ \hline h = -9.525 \quad (\text{sap} - 9.53) \end{array}$       |   |
| $\begin{array}{r} 17 \quad -5.19 \\ \quad \quad -2.48 \\ \hline h = -7.67 \end{array}$                                   | $\begin{array}{r} 21 \quad -6.71 \\ \quad \quad -2.835 \\ \hline h = -9.545 \quad (\text{sap} - 9.55) \end{array}$       |   |

4/11/39. K-5-2 Terracing levels, Front left.



① Hi read up .035 from level point 9

- |                            |  |
|----------------------------|--|
| 1, read down from ② - 3.04 | 15 down from ① - 2.35  |
| 2 down from ② - 3.07       | 16 down from ① - 2.34  |
| 3 down from ② - 3.13       | 17 down from ① - 2.48 (approx)                                       |
| 4 down from ② - 3.15       |  |
| 5 down from ② - 3.30       | Hi ② 3.84 above 6  |
|                            | Hi ③ 0.83 above 15   |
| 6 read down - 0.59 from ①  | 18 down from ③ - 2.79  |
| 7 read down from ② 0.435   | 19 down from ③ - 2.95  |
| 8 down 1.95 from ①         | 20 down from ② - 2.815   |
| 9 down - 2.04 from ①       | 21 down from ③ - 2.835   |
| 10 down - 2.04 from ①      | 22 down from ③ - 2.995   |
| 11 down - 2.14 from ①      | 23 down from ② - 2.84  |
| 12 down - 2.01 from ①      | Hi ④ above 18 <sup>.75</sup> 7.35 (?) <del>must be 2.5</del> or .735 |
| 13 down - 2.23 from ①      | 24 down from ④ - 3.115   |
| 14 down - 2.14 from ①      | 25 down from ④ - 3.16  |
|                            | 26 (1) down from ④ - 3.42  |
|                            | 26 (2) down from ④ - 3.515   |



K-5-2 Terrace levels, front left. Work sheet.

K-5-1 readings from some hi's.

④  $h_i = -2.15$

27  $-3.16$

$h_e = -11.51$

①  $h_i = -11.51$

$-7.995$   
 $-10.815$

28  $-2.87$

$h_e = -11.52$

1  $-10.315$

$-3.735$   
 $h_e = -14.050$

29  $-3.115$

$h_e = -11.52$  (say  $-11.57$ )

2  $-3.00$

$-10.515$   
 $h_e = -13.515$

K-5-2 Terrace levels front left. cont.

K-5-1 readings from same hi?

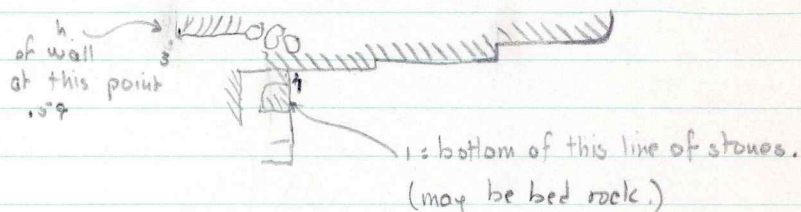
⊙ hi above 1 = 1.68

27 read down ⊕ - 3.16  
 - 8.765  
 - 11.925

28 read down from ⊕ - 2.87 (T. 126)  
 - 8.765  
 - 11.635

29 read down from ⊕ - 3.115  
 - 8.765  
 - 11.880

K-5-1 stela platform, left side

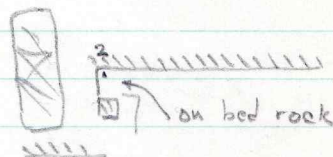


⊙ Hi up from 27 9.55

1. down - 3.735

K-5-1 stela platform, right side (same hi)

2. down - 3.00



3. down from ⊙ - 0.78

K-5-2 Terracing levels, steel tape and plumb measurements

K-5-2 left front

- wall to 9 = 2.40 (+) } taping from approximate side of K-5-2 stairway wall.
- wall to 10 = 2.32 (+) }
- 9 - 11 = 1.16 (+)
- 10 - 12 = 1.23 (+)
- 11 - 13 = 1.63 (+)
- 12 - 14 = 1.71 (+)
- 13 - 15 = 1.60 (+)
- 14 - 16 = 1.80 (+)
- 15 - 17 = 2.52 (+) approx

- wall to 3 = 1.77 (+) } Taping from approximate side of K-5-2 stairway wall
- wall to 4 = 1.65 (+) }
- 3 - 5 = 1.89 (+)
- 5 - To corner = 2.07 (+)

Terrace C wall to edge of terrace D wall at:

- 1-2 = 1.25
- 3-4 = 1.39

Terrace D wall to edge of terrace E wall at:

- 7-8 = .94
- 9-10 = .94
- 11-12 = .94
- 13-14 = .96
- 15-16 = 1.12

- 18-20 = 1.60 (+)
- 19-21 = 1.94 (+)
- 21-23 = 1.63 (+)
- 20-22 = 1.53 (+)
- 20 to corners = 3.00 (+) (of first outset)

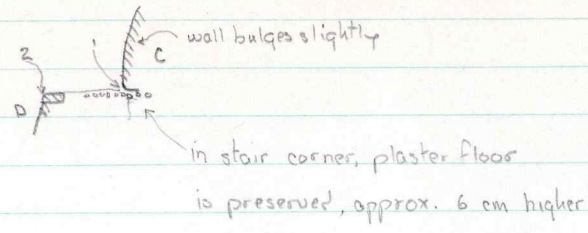
Terrace E wall to edge of terrace F at:

- 18-19 = 1.06
- 20-21 = 1.20
- 22-23 = 1.16

K-5-2 Terracing levels, cross-sections

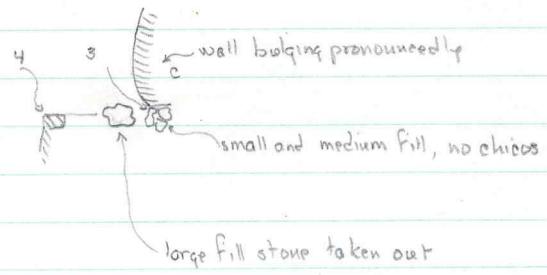
K-5-2 left front

Section through 1 and 2

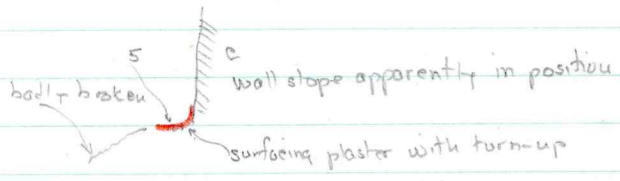


Top of Terrace D stands to point 50 cm beyond point 4, fallen from there out. Pronounced bulging starts shortly beyond point 2.

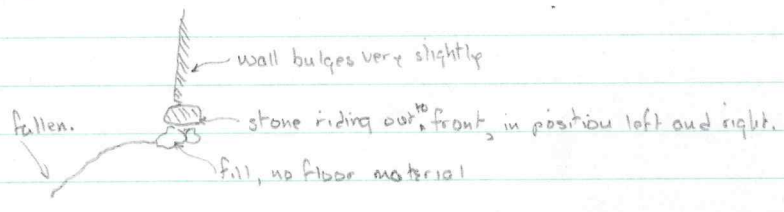
Section through 3 and 4



Section at 5

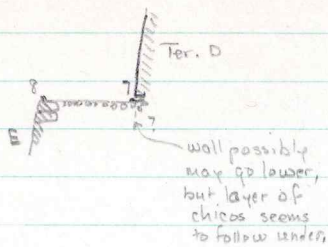


Section at 6

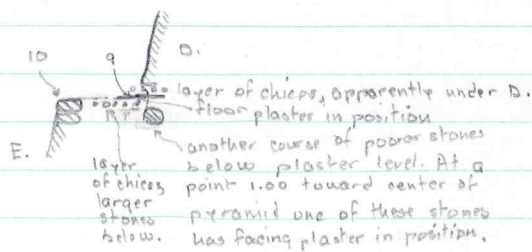


K-5-2 Terracing levels, cross-sections  
Section through 7 and 8

K-5-2 left front

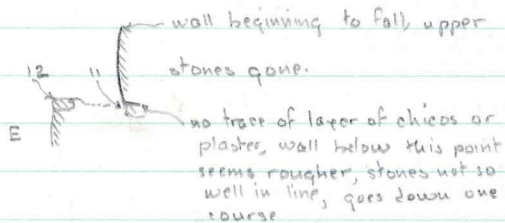


Section through 9 and 10



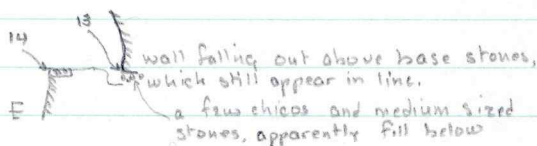
between these sections the wall bulges slightly above the base, which appears still in line

Section through 11 and 12



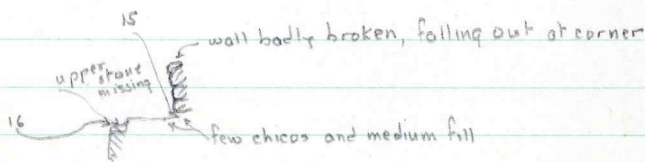
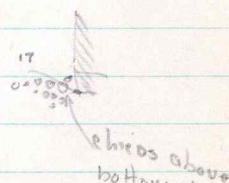
wall E bulges slightly at this point when seen from above.

Section through 13 and 14



Note: point 17 is the last of several stones more or less in line, falling forward and down. Medium fill beneath it. (not carefully excavated, difficult to shoot because of its location on edge of mound.)

Section through 15 and 16

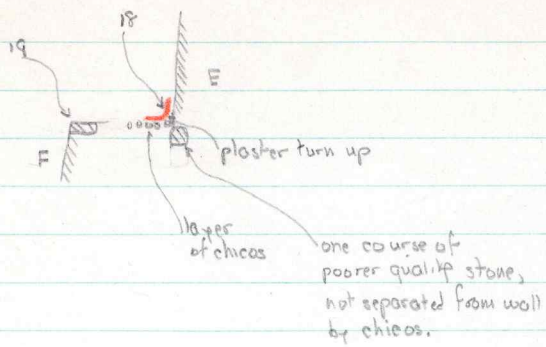
chiecos above bottom stone

line of foundation stones follows out from outset. Rougher stones, no traces of plaster on this line, though there are on stones above it

15-5-2 Terracing Levels, cross sections

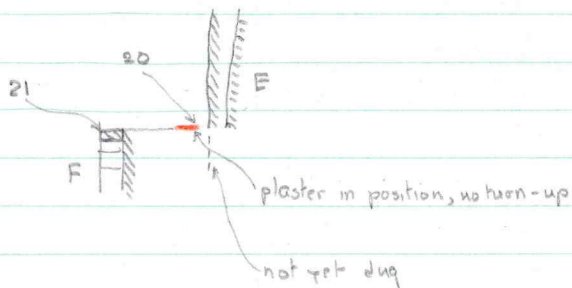
k-5-2 left front.

Section through 18 and 19



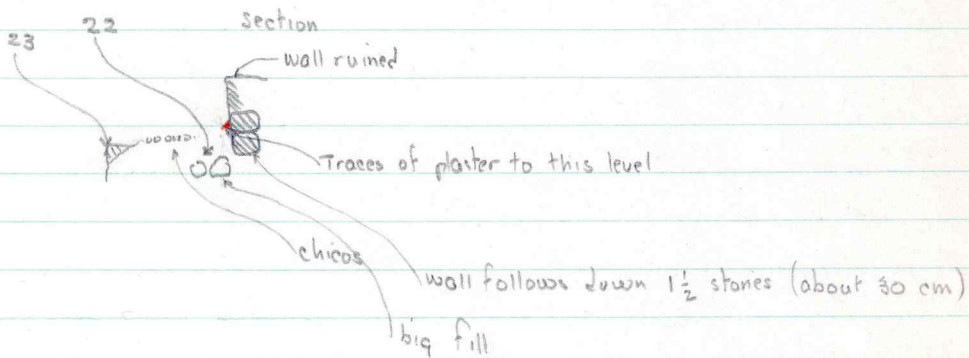
Wall of terrace F bulging slightly between these sections, but base apparently in place.

Section through 20 and 21 (see plan)

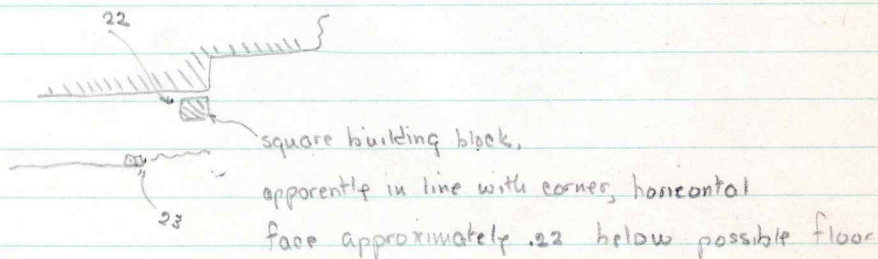


Section through 22 and 23 (see plan)

Point 22 is .49 from corner of second outset.



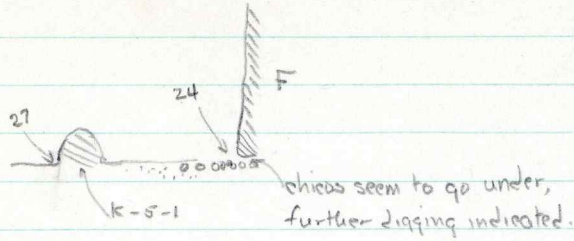
plan



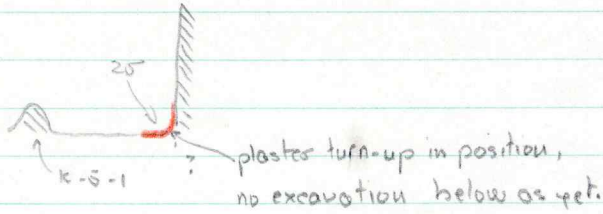
K-5-2 Terracing levels, cross-sections

K-5-2 left front.

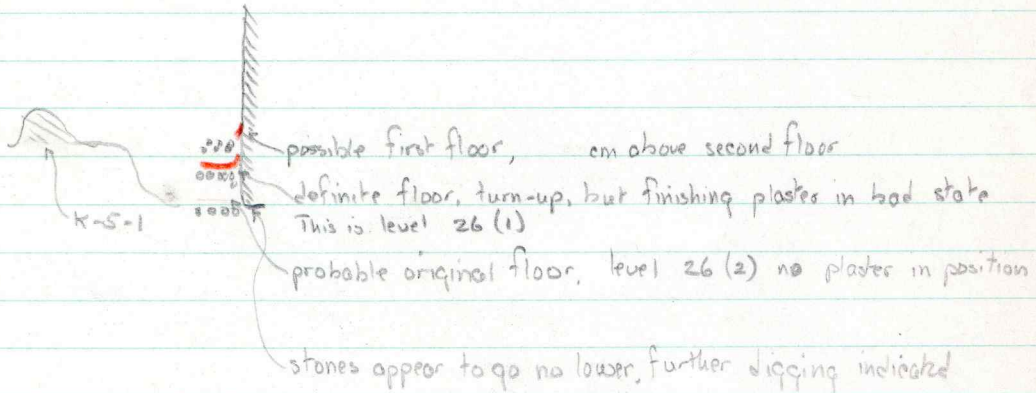
Through point 24



Through point 25



Through point 26





K-5-2 Terrace Levels Calculations.

$$\begin{array}{r} 25 \quad h_2 = -11.925 \\ \quad \quad 1.01 \\ \hline \end{array}$$

$$\textcircled{1} \quad h_1 = -10.915$$

$$\begin{array}{r} 3 \quad -13.355 \\ \quad \quad + 0.26 \\ \hline \end{array}$$

$$\textcircled{2} \quad h_1 = -13.095$$

$$\begin{array}{r} 8 \quad -10.915 \\ \quad \quad - 2.44 \\ \hline h_2 = -13.355 \quad (\text{say } -13.36) \end{array}$$

$$\begin{array}{r} 4 \quad -13.095 \\ \quad \quad - 0.515 \\ \hline h_2 = -13.610 \end{array}$$

$$\begin{array}{r} 12 \quad -10.915 \\ \quad \quad - .55 \\ \hline h_2 = -11.965 \quad (\text{say } -11.97) \end{array}$$

$$\begin{array}{r} 5 \quad -13.095 \\ \quad \quad - 0.68 \\ \hline h_2 = -13.775 \quad (\text{say } -13.78) \end{array}$$

$$\begin{array}{r} 13 \quad -10.915 \\ \quad \quad - 1.06 \\ \hline h_2 = -11.975 \quad (\text{say } -11.98) \end{array}$$

$$\begin{array}{r} 6 \quad -13.095 \\ \quad \quad - 0.83 \\ \hline h_2 = -13.925 \quad (\text{say } -13.93) \end{array}$$

$$\begin{array}{r} 14 \quad -10.915 \\ \quad \quad - 1.15 \\ \hline h_2 = -12.030 \end{array}$$

$$\begin{array}{r} 7 \quad -13.095 \\ \quad \quad - 1.10 \\ \hline h_2 = -14.195 \quad (\text{say } 14.20) \end{array}$$

$$8 \quad -14.20$$

$$\begin{array}{r} 9 \quad -13.095 \\ \quad \quad 1.28 \\ \hline h_2 = -14.375 \quad (\text{say } -14.38) \end{array}$$

$$\begin{array}{r} 10 \quad -13.095 \\ \quad \quad - 1.37 \\ \hline h_2 = -14.465 \quad \text{say } (-14.47) \end{array}$$

$$\begin{array}{r} 11 \quad -13.095 \\ \quad \quad - 1.34 \\ \hline h_2 = -14.435 \quad (\text{say } -14.44) \end{array}$$

$$\begin{array}{r} 12^b \quad -13.095 \\ \quad \quad - 1.46 \\ \hline -14.555 \quad (\text{say } -14.56) \end{array}$$

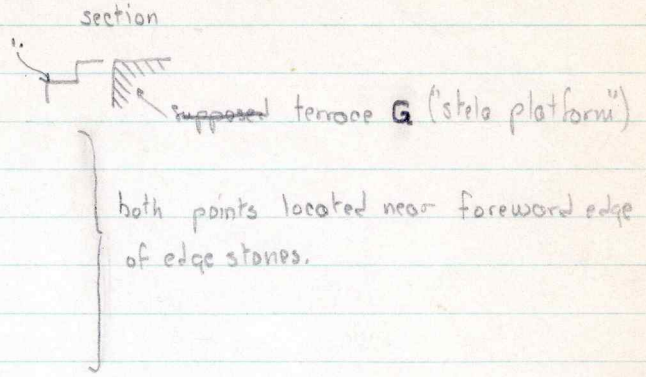
$$\begin{array}{r} 13^b \quad -13.095 \\ \quad \quad 1.47 \\ \hline -14.565 \quad (\text{say } -14.57) \end{array}$$

k-5-2 stairway

"Chance shots"

1. down from ④ -3.37 point located on surface plaster, 1.10<sup>A</sup> in from left side of the stairway.

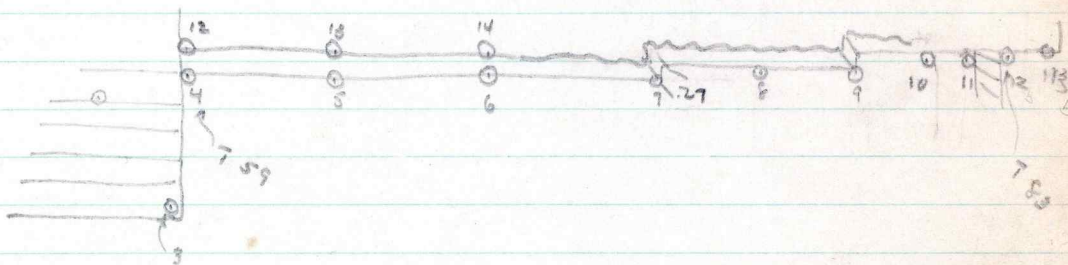
2 down from ④ -1.70 point located on surface plaster, 1.62<sup>A</sup> in from left side of stairway, on 5<sup>th</sup> step above 1.



Same hi's as k-5-2 Terracing level sheet.

k-5-2 Basal Terrace (Ter. 8)

① New Hi 1.01 above point 25 on k-5-2 Terracing levels sheet.



- 12 - 13 = 2.96 (+)
- 13 - 14 = 1.71 (+)
- 4 - 5 = 2.71 (+)
- 5 - 6 = 1.88 (+)
- 6 - 7 = 2.23 (+)
- 7 - 8 = 1.27 (+)
- 8 - 9 = 1.89 (+)
- 9 - 10 = 1.90 (+)
- 10 - 11 = 1.66 (+)
- 12 - 13 = 2.87 (+)

Read down:

- 8. = 2.44
- 12. = .95
- 13. = 1.06
- 14. = 1.115

② New hi above 3 = 6.26

Read down

- 4. = 0.515
- 5. = 0.68
- 6. = 0.83
- 7. = 1.10
- 8. = 1.10
- 9. = 1.29
- 10. = 1.37
- 11. = 1.34
- 12. = 1.46
- 13. = 1.47

Batters of k-5-2 insets. Left side

Down .30 out: (from top to bottom)

Terrace C

-.15, -.09, -.05, -.07

Terrace D

-.06, -.03

Terrace E

1. .01, .03, .005, -.01, .00, .01

2. -.06, -.05

Terrace F

1. .06, .01, .01, .00, .00, .01

2. -.15, -.08, .00, .01, .00, .01

Terrace G

1. .02, .02, .02, -.02, -.02

2. .02, .00, .01, .00, .03

Heights of Apron

Terrace F (see heights of rounded corner page)

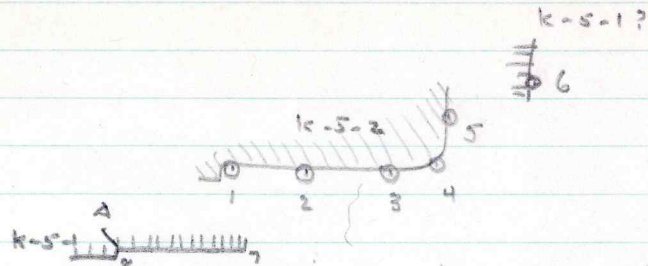
Terrace @ @ 1.07 <sup>inset</sup> @ 1.00, <sup>1.20 from 1</sup> @ 1.00, <sup>75 from 2</sup> @ .87 <sup>60 from 3</sup>

Depth of apron is .07. No plaster preserved.

in 174

5-1 k-5-2, 1

Heights of Front left rounded corner to inset.



Hi above point 25 on k-5-2 Terracing levels sheet. 1.295'

wall to 2 = 1.96

2-3 = 1.20

1 rad down = 1.505' } 2 floors = - 12.135'  
 - 1.585' } = - 12.215'

2 rad down = 1.795' } lower earlier than k-5-2  
 - 10.63  
 - 12.425'

3 rad down = 1.76  
 - 10.63  
 - 12.39

4 rad down = 1.77  
 - 10.63  
 - 12.40

5 rad down = 1.77  
 = - 12.40

6 rad down = 1.51

7 rad down = 1.61  
 - 10.63  
 12.24

8 rad down = 1.425'  
 - 10.63  
 - 12.055'

11.98	12.240
.075	.075
	12.165

Apron height:

at 1 (lowest floor) = .78

at 2 = .90

Apron was .075' deep, plaster in position on both faces.

h<sub>25</sub> = -11.925'  
 + 1.295'  
 h<sub>i</sub> = -10.630'

- 1.505'  
 - 10.63  
 - 12.135'  
 - 1.585'  
 - 10.63  
 - 12.215'

~~7.8~~

7-A = 3.02(+)

8-A = .52

12.230  
 .78  
 11.470

st 2 K-5-2

Selected batters, k-5-2 left front terracing.  
Down .30 out: (rading from top to bottom)

C. .03, .02, .09, .04, .02 This is the best point of wall exposed. It bulges slightly about .60 above base. Total batter: out .24 down 1.92 This point is in the angle of the stairway.

D. .09, .09, .11, .08, .04, -.01, -.06 Wall bulges pronouncedly .60 above base. Other points on wall show less bulge but have tipped out almost to the vertical. The point is in the angle of the stair. Total batter: out .42 down 1.56, in .07 down .51

E. .10, .06, .05, .03, .00, .02, .01 Selected point of wall 1.70 in from first outset. Wall in quite good condition with considerable plaster in position, but occasional stones are out of line. Total batter: .27 in 2.19

F. .08, .03, .03, .01, .05, .02, .01 Point is at first outset. General slope quite even, but stones are irregular. Total batter: .18 in 2.16

G. Out .43 down 1.53 slope quite even. Point is 1.15 from stairway side wall.

Outsets, Depth.

C .27 near base, .30, .35 above.

D .10, .20, .26 top to bottom.

E ① .25, .24 near base, .18 above ② .24

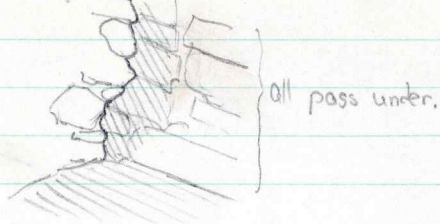
F ① .28 -.25 best is .27 near base. ② .19 at apron, .27 near base.

G ① .30 -.25 best is .27 near base. ② .27 near base. Extremes: .18 -.28, smallest at edge of apron.

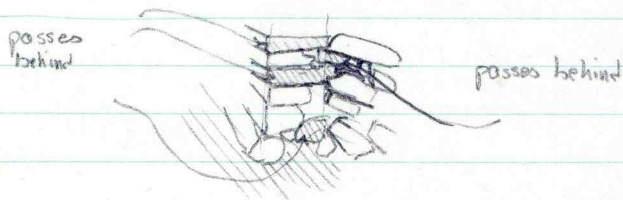
5/2 K-5-2

Banding of corners, Trenching left side

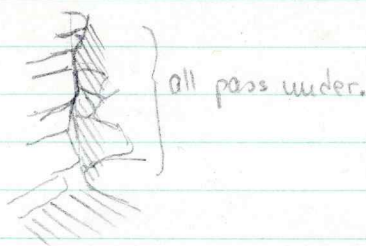
Ter C and stairway corner.



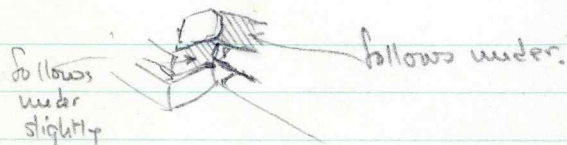
Ter C, outset



Ter D and stairway corner.



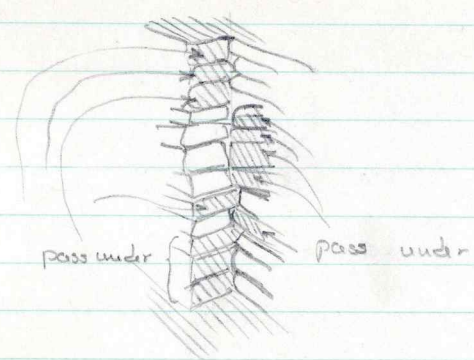
Ter D outset.



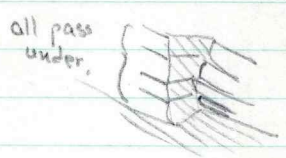
S/2 K-5-2

Binding of Terrace corners.

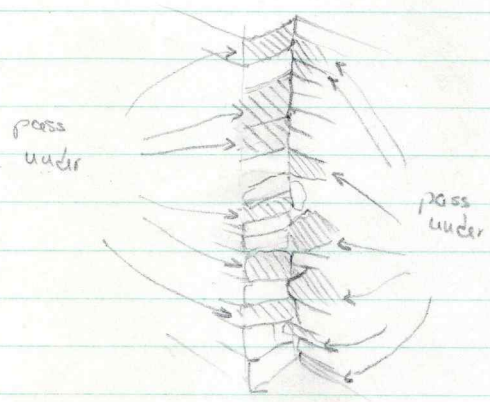
Ter. E First Outset.



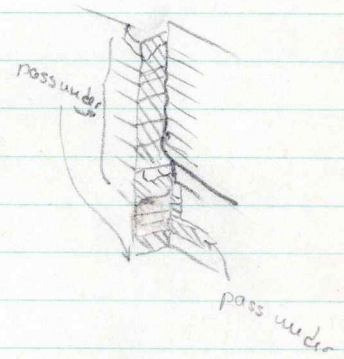
Ter. E, Second Outset



Ter. F, First outset

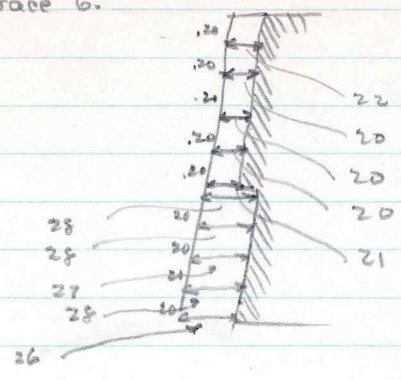


Ter. F. Second outset.

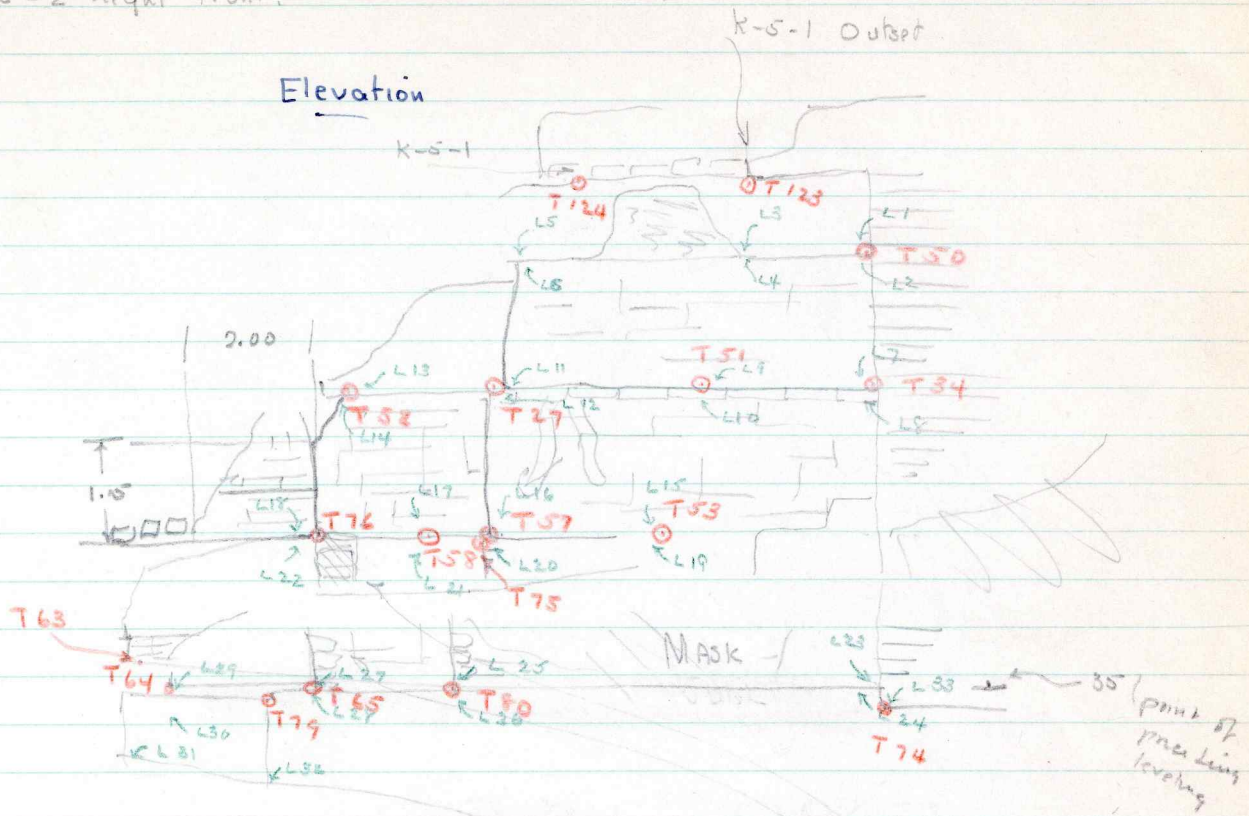


5/3

K-5-2 Aprons, cross sections at outset.  
Terrace 6.

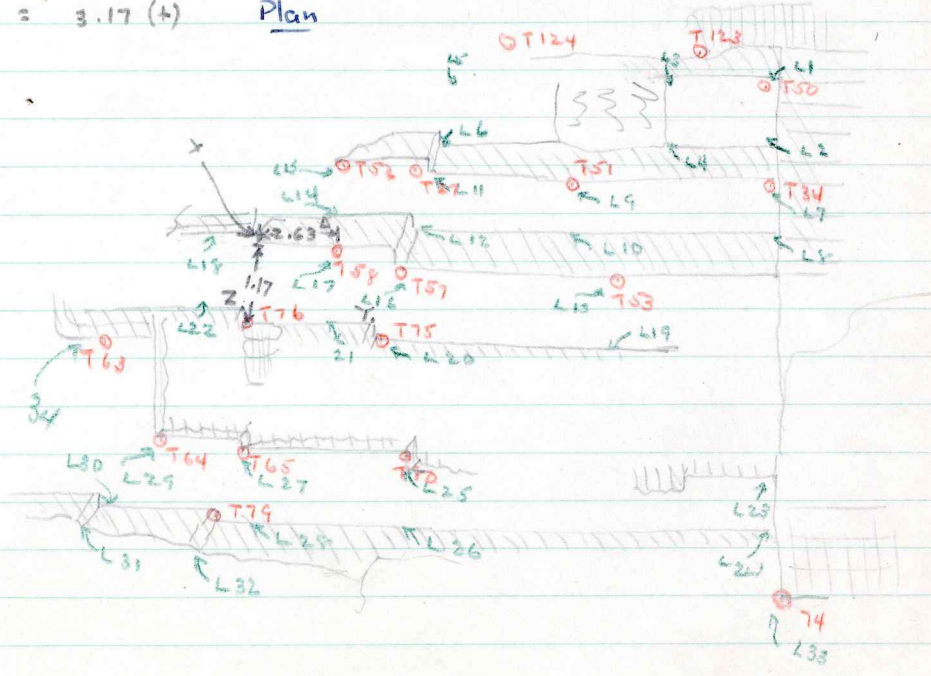


5-10-39 K-5-2 Right front.



- X - 75 = 2.95 (+)      T-34 - L.12 = 4.96 (+)      K-5-1
- X - 76 = 1.10 (+)
- 76 - T = 3.10 (+)
- Z - 76 = 3.17 (+)

Plan





Calculations, k-s-2 right terracing levels.

$$h_1 = -2.735$$

$$\textcircled{1} h_i = \begin{array}{r} + 0.45 \\ -2.285 \end{array}$$

$$1. \begin{array}{r} -2.71 \\ -2.285 \\ \hline h_1 = -4.995 \end{array}$$

$$2. \begin{array}{r} -2.69 \\ -2.285 \\ \hline h_1 = -4.965 \end{array}$$

$$2' h = -4.965$$

$$+ .54$$

$$\textcircled{2} h_i = -4.125$$

$$7. \begin{array}{r} -2.805 \\ -4.125 \\ \hline h_1 = -6.930 \end{array}$$

$$8. \begin{array}{r} -2.77 \\ -4.125 \\ \hline h_1 = -6.895 \end{array}$$

$$9. \begin{array}{r} -2.735 \\ -4.125 \\ \hline h_1 = -6.960 \end{array}$$

$$10. \begin{array}{r} -2.76 \\ -4.125 \\ \hline h_1 = -6.895 \end{array}$$

$$11. \begin{array}{r} -3.03 \\ -4.125 \\ \hline h_1 = -7.155 \end{array}$$

$$12. \begin{array}{r} -2.75 \\ -4.125 \\ \hline h_1 = -6.875 \end{array}$$

$$13. \begin{array}{r} -2.835 \\ -4.125 \\ \hline h_1 = -6.960 \end{array}$$

$$14 h = .696$$

$$10 h = -6.885$$

$$+ .55$$

$$\textcircled{3} h_i = -6.335$$

$$15. \begin{array}{r} -2.99 \\ -6.335 \\ \hline h_1 = -9.325 \end{array}$$

$$16. \begin{array}{r} -2.89 \\ -6.335 \\ \hline h_1 = -9.225 \end{array}$$

$$17. \begin{array}{r} -2.95 \\ -6.335 \\ \hline h_1 = -9.285 \end{array}$$

$$18. \begin{array}{r} -2.63 \\ -6.335 \\ \hline h_1 = -8.965 \end{array}$$

$$19. \begin{array}{r} -2.73 \\ -6.335 \\ \hline h_1 = -9.065 \end{array}$$

$$20 h = -9.065$$

$$21. \begin{array}{r} -2.735 \\ -6.335 \\ \hline h_1 = -9.070 \end{array}$$

$$22. \begin{array}{r} -2.61 \\ -6.335 \\ \hline h_1 = -8.945 \end{array}$$

$$19 h = -9.065$$

$$.995$$

$$\textcircled{4} h_i = -8.070$$

$$23. \begin{array}{r} -2.92 \\ -8.07 \\ \hline h_1 = -10.99 \end{array}$$

$$24. \begin{array}{r} -3.055 \\ -8.07 \\ \hline h_1 = -11.125 \end{array}$$

$$25. \begin{array}{r} -3.03 \\ -8.07 \\ \hline h_1 = -11.10 \end{array}$$

$$26. \begin{array}{r} -3.00 \\ -8.07 \\ \hline h_1 = -11.07 \end{array}$$

$$27. \begin{array}{r} -2.935 \\ -8.07 \\ \hline -11.005 \end{array}$$

$$28. \begin{array}{r} -3.00 \\ -8.07 \\ \hline h_1 = -11.07 \end{array}$$

$$29. \begin{array}{r} -2.725 \\ -8.07 \\ \hline -10.795 \end{array}$$

$$30. \begin{array}{r} -2.75 \\ -8.07 \\ \hline h_1 = -10.82 \end{array}$$

$$31. \begin{array}{r} -3.52 \\ -8.07 \\ \hline h_1 = -11.59 \end{array}$$

$$32. \begin{array}{r} -4.10 \\ -8.07 \\ \hline h_1 = -12.17 \end{array}$$

$$33. \begin{array}{r} -3.66 \\ -8.07 \\ \hline h_1 = -11.73 \end{array}$$

$$34. \begin{array}{r} -2.76 \\ -8.07 \\ \hline h_1 = -10.83 \end{array}$$

$$35. \begin{array}{r} -3.215 \\ -8.07 \\ \hline h_1 = -11.285 \end{array}$$

$h_1 = -11.285$   
 Checks exactly  
 with L.S. on  
 Stela 39 east  
 page.

k-5-2 right side from terrace  
① hi above T.33 = 0.45

- 1. read down = 2.71
- 2. read down = 2.69

② above 2 = 0.84

- 7<sup>①</sup> read down = 2.805 from ①
- 7<sup>②</sup> read down = 2.95
- 8 read down = 2.77
- 9 read down = 2.835
- 10 - 2.76
- 11 - 3.03
- 12 - 2.75
- 13 - 2.835
- 14 - 2.835

Top and plumb measurements.

- 1 - 2 = 1.13 (+)
- 7 - 8 = .95 (+)
- T51 - 10 = .85 (+)
- T34 - T51 = 1.95 (+)
- T27 - 12 = 1.00 (+)
- T53 - 19 = 1.05 (+)
- T57 (wall) - T75 = 1.17 (+)
- T75 - T76 = 3.18 (+)
- T65 - T80 = 3.12 (+)
- T64 - T65 = 1.75 (+)

③ above 18 = 0.55

- 15 - 2.99 from ③
- 16 - 2.89
- 17 - 2.95
- 18 - 2.63
- 19 - 2.73
- 20 - 2.73
- 21 - 2.735
- 22 - 2.61

⑤ hi above 0 read 0.18

5 read down = 3.40 from ⑤

$$\begin{array}{r} - 1.76 \\ - 5.160 \end{array}$$

④ above 19 = .995

- 23 - 2.92 from ④
- 24 - 3.055
- 25 - 3.03
- 26 - 3.00
- 27 - 2.935
- 28 - 3.00
- 29 - 2.725
- 30 - 2.75
- 31 - 3.52
- 32 - 4.10 (?)
- 33 - 3.66
- 34 - 2.76
- 35 - 3.215

6 read down = 3.43 from ⑥

$$\begin{array}{r} 1.76 \\ 5.19 \end{array}$$

x point on k-5-3 bldg. wall read = 2.915 from ⑤

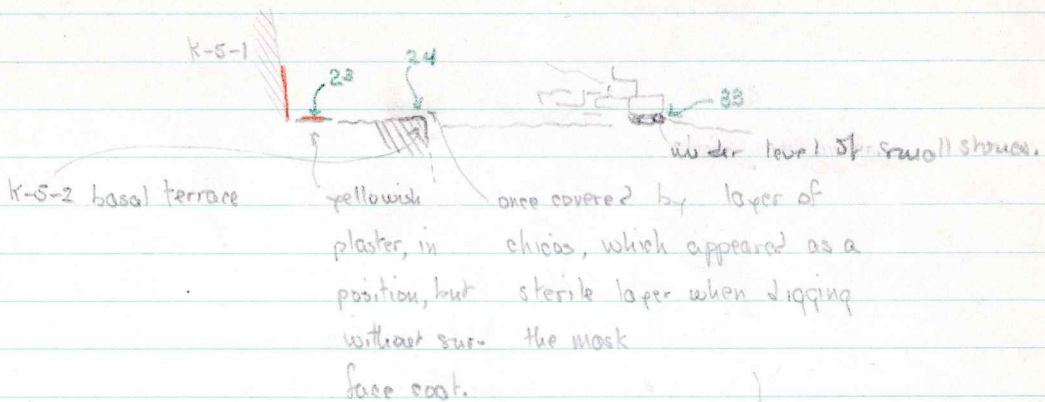
$$\begin{array}{r} 18 \\ - 2.735 \end{array}$$

⑥ new hi above x =  $\frac{-2.735}{+0.975}$

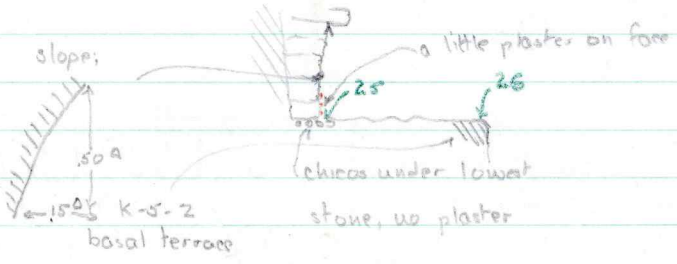
$$- 1.760$$

6/10/39 K-5-2 Terracing levels right front. Cross-sections.

At 23, 24, 33

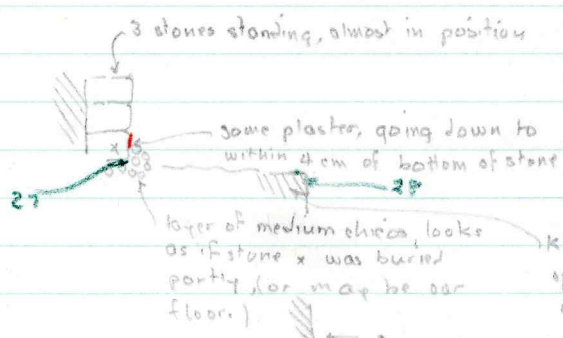


At 25-26



wall between these two sections badly fallen.

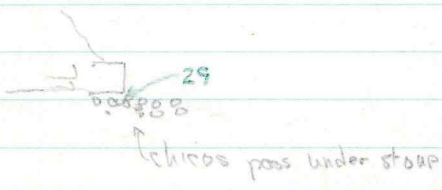
At 27-28



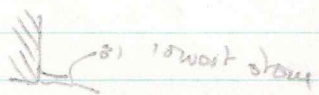
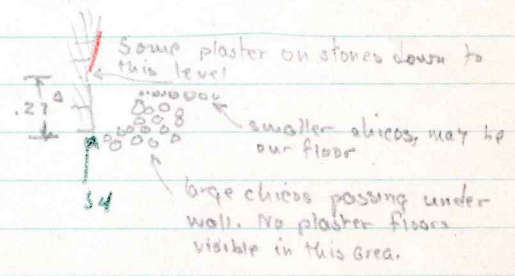
wall between these sections broken, but base stones apparently in line

K-5-2 basal terrace, broken directly opposite, but preserved about .20 further out. Level 28 on preserved portion.

At 29-31



At 34

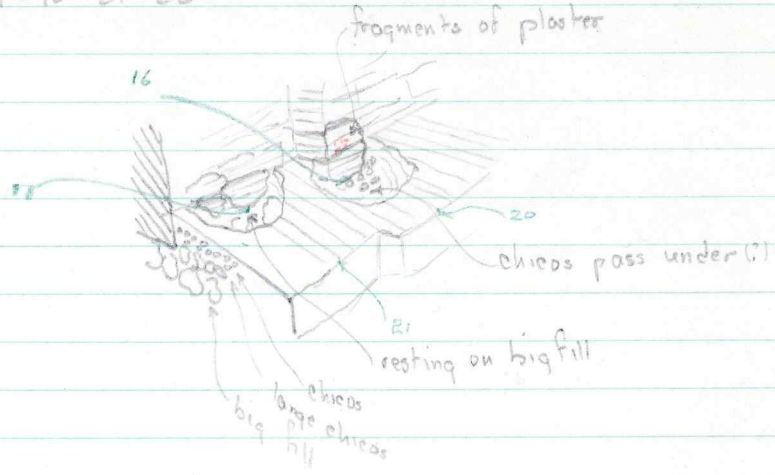


15-5-2 Terracing levels, right front, cross-sections. Page 2.

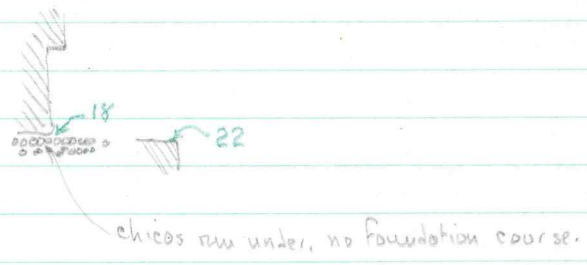
At 15-19

This will be a test section. See detailed sketches and photos. Point shot is our lowest stone. (Terracing fell very badly before this was done)

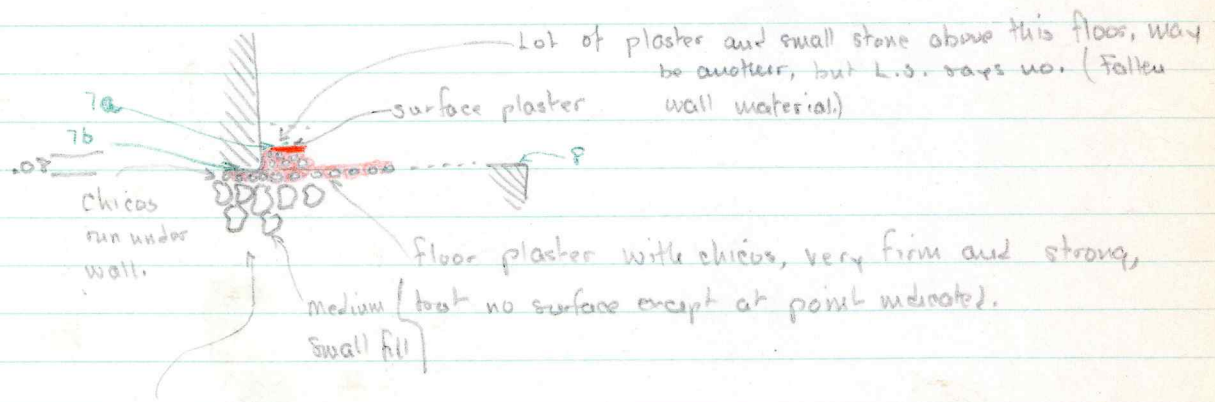
At 17-16-21-20



At 18-22



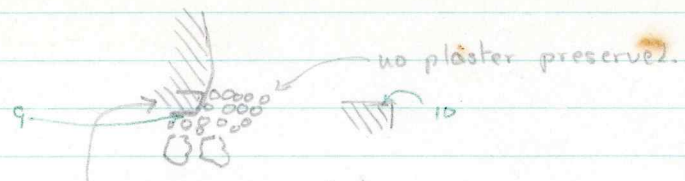
At 7-8



Wall definitely does not go down any lower, clean "lime-white" fill in position below a very strong plaster floor still in position

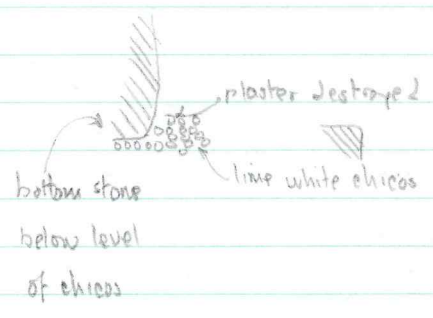
k-5-2 Terracing levels, right front, cross-sections, Page 3.

At 9-10

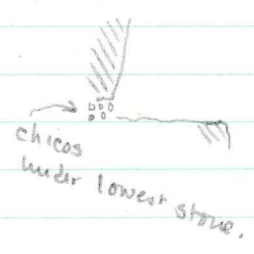


lowest stone, no plaster, seems to be below level of chicos. Some chicos under lowest stone.

At 11-12



At 13-14



5-13 K-5-2, Terracing right side

Batters of outsets and walls Down .30, out; top to bottom:

Terrace C

Wall:  $-.08, +.02, -.01, +.03$

Outset: .27 deep, but corner stones destroyed.  $1.27^\Delta$  in from T. 135

Terrace D

Wall: Best part of wall, at stairway, is vertical, top stones leaning out .05

Outset:  $.07, +.03, .01, -.05, -.09$

Terrace E

Wall:  $+.09, +.10, +.07, +.07, +.06$  at stairway side wall.

1st Outset:  $+.08, +.06, -.07, +.03, .01, -.09, -.02$

2nd Outset:  $-.16, -.05, -.04, -.07$

Apron: height .56 above level 18, Depth (stone to stone) .15 at outset

Terrace F

Wall & outsets buried

Apron: height .83 above level 34 Depth (stone to stone) near outset: .10

Terrace G:

Wall,  $.10, .08, .10$  (to .15 above bottom) Point is 1.00 out from first outset.

1st Outset:  $-.02, .05, .02, .01, .01$

2nd outset  $-.01, +.09$ . Total  $+.08$  in .66

Depth of outsets, top to bottom, intervals of .20:

Terrace C destroyed.

Terrace D:  $.13, .13, .13, .19, .16, .13, .15, .15$

Terrace E: First Outset:  $.17, .19, .19, .23, .30, .26, .25, .25$

2nd Outset:  $.20, .20, .21, .18$  (apron),  $.30, .01$

Terrace F: 1st Outset:  $.23, .27$ , (buried)

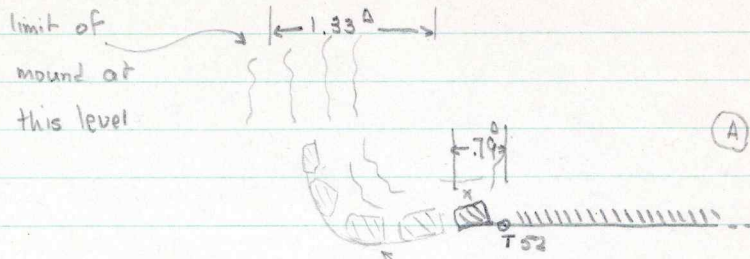
2nd outset:  $.29, .23, .20$ , (buried)

Terrace G: 1st outset:  $.15, .15$  (broken),  $.24, .23, .21$

2nd outset:  $.20, .30, .27, .27$

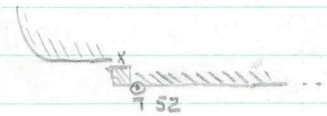
Debris slope to  $2.80^\Delta$  from T. 35,  $2.50^\Delta$  above T. 63

K-S-2 Terrace D, right side

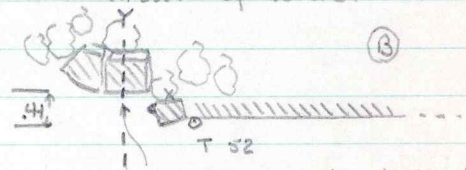


line of falling stones, possibly upper course of a rounded corner. These removed by W.S.G.

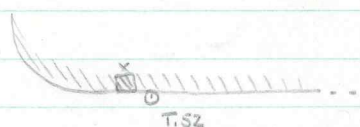
Possible reconstructions:



outset and rounded corner. Objections: no fair corner stones for outset, lowest stone (shown) of especially poor shape.



Two stones only, both tipping forward, fill behind them. Outermost one suggests a rounded corner



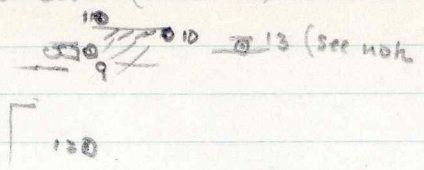
rounded corner without outset, more probable, stones around T 52 riding out badly. Objections: position of two falling corner blocks in sketch B would be very difficult to correlate with the direction of D terrace wall.



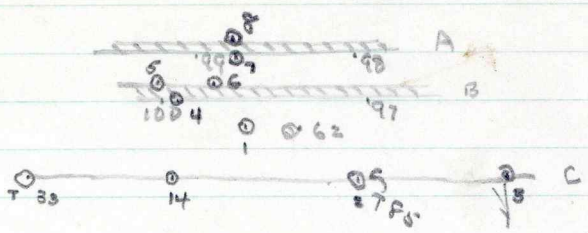
Section through Y-Z (Sketch B)

4/29

k-5-2 Plinth and terrace (A and B)



$$\begin{aligned}
 i. h &= -2.735 \\
 &\quad \underline{1.445} \\
 h_i &= -1.290
 \end{aligned}$$



- 62 - 97 = 1.98 (+)
- 62 - 100 = 2.47 (+)
- 99 - 62 = 2.90 (+)
- 98 - 62 = 2.52 (+)
- 99 - 98 = 1.42 (+)
- 100 - 97 = 3.46 (+)

Levels

Hi 1.445 above k-5-1 r2 levels page point 1.

- T 62 - 14 = 1.70 (+)
- T 33 - 14 = 1.27

- 2, 3 wall badly slipping
- 3, 6 on plaster
- 7 base of stones
- 8 on plaster
- 9 on plaster, k-5-2 floor, above k-5-3 wall
- 10 top stone k-5-3 rear wall.
- 11 likewise on plaster, outside k-5-3 wall
- 12 on fill stones, showing variation in floor
- 13 top of plinth, k-5-3 rear, (probably too high)

Δ measurements:

- wall A to 12 = 5.75 (+)
- 12 to 9 = 2.52 (+)
- 9 - 11 = .95
- 11 - 10 = 2.00
- 12 - T 21 = 4.26 (+)

- 1 read down = -1.28
- 1.29
- 2.57
- 2 read down = -1.58
- 1.29
- 2.87
- 3 read down = -1.60
- 1.29
- 2.89
- 4 read down = -1.22
- 1.29
- 2.51
- 5 read down = -0.885
- 1.29
- 2.175
- 6 read down = -0.975
- 1.29
- 2.265
- 7 read down = -0.96
- 1.29
- 2.25
- 8 read down = -0.61
- 1.29
- 1.90
- 9 read down = -0.81
- 1.29
- 2.10
- 10 read down = -0.88
- 1.29
- 2.17
- 11 read down = -0.85
- 1.29
- 2.14
- 12 read down = -0.71
- 1.29
- 2.00
- 13 read down = -3.58
- 1.29
- 4.87

3/23/38

### K-5-2 front stairway, right

compare with 3/22 under K-5-1

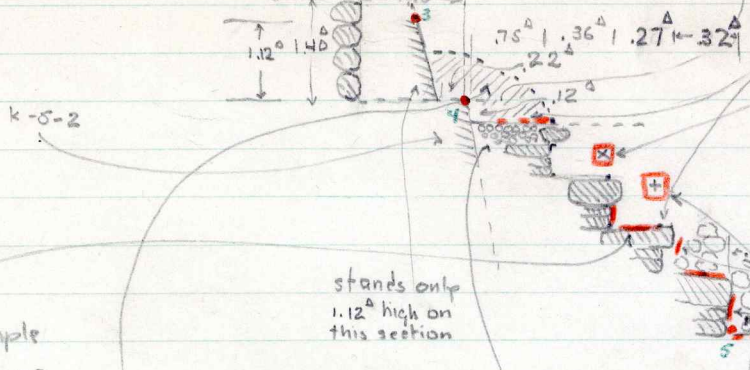
K-5-1 right pier

level point B

level point A

fragments of plaster face up.

K-5-2



plaster for sample in bag W-5-A3.

stands only 1.12<sup>a</sup> high on this section

mass of building stone and small loose fill same as roughly sketched by L.S. 3/22

tightly packed small broken rock, with plaster on top, looks in position

plaster fragments on chieas on the stone

plaster, falling face out.

3/24

Arm of central figure of Lintel 7, (2 frags.) 7, 1.50 to left section line, about 10 cm above step. (Benj) Bag HT

Fragment of Lintel 7, glyphs only, 2.00 from section, seen by L.S. as it came out. Dug by Benjamin, bag AK.

This section is in line with left side of right doorway of K-5-1

Point 4 is Transit point 33.

Taped measurements with plumb-bob.

1 to 2 = 1.58

2 to 3 = 2.15

3 to 4 = .22

4 to 5 = 1.65

5 to approx debris line = 1.50

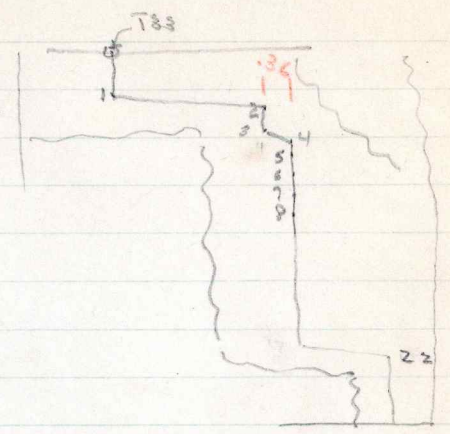
medium loose fill, apparently in position.

5/6

k-5-2 stairway. Top to bottom.

② Hi above T.33 = .005

5	5 steps below T.33 rod down	-1.49
6	next step, section further left	-2.12
7	" " same	-2.405
8	" " section further left	-2.70
9	" " same section	-3.095
10	" " " "	-3.47
11	" " " "	-3.79 h=6.62



③ New hi, 0.315 above 11

12	next step	"	"	-0.66	4 steps between T33 and 1.
13	"	"	"	-1.03	① Hi above .33 = .2.335
14	"	"	"	-1.355	100 Next step down = -2.68
15	"	"	"	-1.73	200 " " " -2.97
16	"	"	"	-1.955	300 " " " -3.25
17	"	"	"	-2.325	400 " " " -3.49
18	"	"	"	-2.68	
19	"	"	"	-3.085	
20	"	"	"	-3.50	
21	"	"	"	-3.895	

Linton counts 31 treads, counting neither point as no floor level  
S.W.I.

④ New hi 0.12 above 21

22	"	"	"	-0.54
23	"	"	"	-0.95
24	"	"	"	-1.325
25	"	"	"	-1.64
26	next step, section further left.			-2.00
27	" " same section			-2.33
28	" " " "			-2.63
29	" " " "			-2.98
30	" " " "			-3.335
31	" " " "			-3.645
32	" " " "			-3.99
33	See other notes.			

⑤



⑤ hi above Step 16 - = .0.31

⑦ hi above step 5  
nod 0.51

① - .675  
- 7.85  
- 8.525

~~27 - 1.805  
- 10.03~~

nod down:

17

- .675

② - 1.85  
- 7.85  
- 9.70

~~28 - 2.16  
- 10.03~~

18

= 1.03

③ - 2.25  
- 7.85  
- 10.10

~~29 - 2.48  
- 10.03~~

19

- 1.435

④ - 2.63  
- 7.85  
- 10.48

~~30 - 2.515  
- 10.03~~

20

- 1.85

⑤ - 2.95  
- 7.85  
- 10.80

~~31 - 3.08  
- 10.03~~

21

- 2.25

⑥ - 3.31  
- 7.85  
- 11.16

~~32 - 3.08  
- 13.11~~

22

- 2.63

⑦ - 3.64  
- 7.85  
- 11.49

~~33 - 3.08  
- 13.11~~

23

- 2.95

⑧ - 3.94  
- 7.85  
- 11.79

~~34 - 3.08  
- 13.11~~

24

- 3.31

h33 = - 2.735  
+ 2.335  
hi = - .400

~~35 - 3.08  
- 13.11~~

25

- 3.64

h33 = - 2.735  
+ .605  
hi - 2.73

~~36 - 3.08  
- 13.11~~

26

- 3.94

h11 = - 6.520  
+ .315  
hi = - 6.205

~~37 - 3.08  
- 13.11~~

27

- 3.08

h21 = - 10.10  
+ .12  
hi = - 9.98

~~38 - 3.08  
- 13.11~~

28

- 1.805

h16 = - 8.16  
+ .31  
hi = - 7.85

~~39 - 3.08  
- 13.11~~

29

- 2.16

h25 = - 11.49  
+ 1.46  
hi = - 10.03

~~40 - 3.08  
- 13.11~~

30

- 2.48

① - 2.12  
- 2.73  
h = - 4.85

~~41 - 3.08  
- 13.11~~

31

- 2.815

② - 2.405  
- 2.73  
h = - 5.135

~~42 - 3.08  
- 13.11~~

32

- 3.08

③ - 2.70  
- 2.73  
h = - 5.43

~~43 - 3.08  
- 13.11~~

33

- 3.08

⑥ New hi above 26 1.46

34

- 3.08

35

- 3.08

36

- 3.08

37

- 3.08

38

- 3.08

39

- 3.08

40

- 3.08

41

- 3.08

42

- 3.08

43

- 3.08

44

- 3.08

45

- 3.08

46

- 3.08

47

- 3.08

48

- 3.08

49

- 3.08

50

- 3.08

51

- 3.08

52

- 3.08

53

- 3.08

54

- 3.08

55

- 3.08

56

- 3.08

57

- 3.08

58

- 3.08

Step 7, 2 m. left of transit  
nod down - 1.78

Step 13, 2m left of transit line  
nod down - 3.595

⑧ hi above step 16  
nod 0.61

step 15, 2 m left of transit  
point nod down - 0.34

Transit point 110  
nod down - 2.955

⑨ - 4.22  
+ .51  
hi = - 3.71

⑩ - 1.78  
- 3.71  
- 5.49

⑪ - 3.595  
- 3.71  
- 7.305

⑫ - 8.16  
+ .61  
hi - 7.55

⑬ - 7.55  
- .34  
- 7.89

⑭ - 3.895  
+ 6.205  
- 10.100

⑮ 2.955  
+ 7.55  
10.505

⑯ - .54  
- 9.98  
- 10.52

⑰ - .98  
+ 9.98  
- 10.96

⑳ - 1.825  
- 9.98  
- 11.805

㉑ - 1.64  
- 9.98  
- 11.62

㉒ - 2.00  
- 9.98  
- 11.98

㉓ - 2.33  
- 9.98  
- 12.31

㉔ - 2.63  
- 9.98  
- 12.61

㉕ - 2.63  
- 9.98  
- 12.61

→ the ground.

22. 201.11 - 108

01.01 - 201.11  
201.11  
201.11

201.11 - 108  
201.11  
201.11

420 - 201.11  
201.11  
201.11

201.11 - 108  
201.11  
201.11

01.01 - 201.11  
201.11  
201.11

201.11 - 108  
201.11  
201.11

201.11 - 108  
201.11  
201.11

201.11 - 108  
201.11  
201.11

201.11 - 108  
201.11  
201.11

201.11 - 108  
201.11  
201.11

201.11 - 108  
201.11  
201.11

201.11 - 108  
201.11  
201.11

201.11 - 108  
201.11  
201.11

Correct to step 26

$$\begin{array}{r} 26 \quad h = -11.79 \\ \quad \quad + 1.46 \\ \hline \end{array}$$

$$\textcircled{26} \quad h_i = -10.33$$

$$\begin{array}{r} 27 \quad h = -10.10 \\ \quad \quad + .12 \\ \hline \end{array}$$

$$\textcircled{27} \quad h_i = -9.98$$

$$\begin{array}{r} 27 \quad -1.805 \\ \quad \quad -10.33 \\ \hline -12.135 \end{array}$$

$$\begin{array}{r} 22 \quad -0.54 \\ \quad \quad 9.98 \\ \hline -10.52 \end{array}$$

$$\begin{array}{r} 28 \quad -2.16 \\ \quad \quad -10.33 \\ \hline -12.49 \end{array}$$

$$\begin{array}{r} 23 \quad -0.95 \\ \quad \quad -9.84 \\ \hline -10.79 \end{array}$$

$$\begin{array}{r} 24 \quad -10.48 \\ \quad \quad - .54 \\ \hline -10.84 \end{array} \quad \begin{array}{r} -10.10 \\ \quad \quad + 9.84 \\ \hline -0.26 \end{array}$$

$$\begin{array}{r} 29 \quad -2.48 \\ \quad \quad -10.33 \\ \hline -12.81 \end{array}$$

$$\begin{array}{r} 24 \quad -1.325 \\ \quad \quad -9.84 \\ \hline -11.165 \end{array}$$

$$\begin{array}{r} 30 \quad -28.15 \\ \quad \quad 10.33 \\ \hline -17.82 \end{array}$$

$$\begin{array}{r} 25 \quad -1.64 \\ \quad \quad -9.84 \\ \hline -11.48 \end{array}$$

$$\begin{array}{r} 31 \quad -3.08 \\ \quad \quad -10.33 \\ \hline -13.41 \end{array}$$

$$\begin{array}{r} 26 \quad -2.00 \\ \quad \quad -9.84 \\ \hline -11.84 \end{array}$$

5-19-39 K-5-2 Stairway.

meter sticks measurements of risers and treads.

Maximum and minimum, best preserved measured marked \*

Tread: (top of numbered step) Riser: (below numbered step) (for risers, see also levels taken)

Max. Min Max Min

} See also location of T. 116 and T. 33

	38					.14	
(116)	1	.58		.34			
	2		.27	.33			
	3	.37		.21			
	4	.34		.37			
(115)	5	.41		.30			
	6	.30			.28		
(114)	7	.32			.38		
	8	.39			.36		
	9	.33			.29		
(113)	10	.35	.32 *	.43	.24 *		
	11	.35 *	.31	.35 *	.28		
	12	.31	.46 *	.32	.22 *		
	13	.40 *	.36	.27	.27		
	14	.30 *	.17	.31	.30 *		
(112)	15	.47	.40 *	.40	.38 *		
	16	.44	.41 *	.32 *	.28		
	17	.43	.29 *	.28 *	.23		To here taken on right side.
	18	.41	.31 *	.45	.42 *		
	19	.38	.36 *	.45	.40 *		
	20	.42	.36 *	.41	.38 *	.36	
	21	.46 *	.42	.47	.44 *		
(111-110)	22	.44	.40	.40 *	.35		
	23	.35	.30 *		.36		
	24	.34			.35		
	25	.32			.32		

<del>107</del>	26	.30	.25	.36	.30		
108	27	.30	.28	.34	.30		
	28	.26	.24	.35	.24		
	29	.32	.27	.31	.26		
	30	.31	.30	.40	.23		
	31	.40	.32		.28		

These steps all well preserved, differences due to inequalities in the stones and to plaster in position on the surface of the treads. See elsewhere for notes on this plaster.



5-4-29 k-5-2 stamping Calculations.

h T. 32 = -7.125    ④ h<sub>i</sub> = -3.125

① h<sub>i</sub> =  $\frac{-7.125}{+1.75}$   
= -5.375

A.

B.

2 -1.8  
-3.125  
-4.925

9 -2.75  
-5.375  
-6.125

28 -4.03  
-8.230  
-12.260  
1.92  
-10.340

3 -61  
-3.125  
-6.225

10 .66  
-5.375  
-6.035

4 -73  
-3.125  
-8.055

11 -6.055  
-5.375  
-11.430

29 -2.195  
-10.34  
-12.535

5 -1.10  
-3.125  
-4.225

12 -1.58  
-5.375  
-6.955

30 -2.475  
-10.34  
-12.815

6 -1.43  
-3.125  
-4.555

13 -1.775  
-5.375  
-7.150

31 -2.815  
10.34  
-13.155

7 -1.68  
-3.125  
-4.805

14 -2.00  
-5.375  
-7.375

32 3.075  
-10.34  
-7.265

8 -2.00  
-3.125  
-5.125

15 -2.335  
-5.375  
-7.710

9 -2.27  
-3.125  
-5.395

16 -2.70  
-5.375  
-8.075

10 -2.715  
-3.125  
-5.840

17 -3.085  
-5.375  
-8.460

11 -2.975  
-3.125  
-6.100

18 -3.42  
-5.375  
-8.795

12 -3.33  
-3.125  
-6.455

19 -3.825  
-5.375  
-9.200

13 -3.66  
-3.125  
-6.785

② h<sub>i</sub> =  $\frac{95}{-8.230}$   
20 1.355  
-8.230  
9.585

14 -3.98  
-3.125  
-7.105

21 1.81  
-5.230  
-3.420

③ h<sub>i</sub> = -7.015

15 -3.5  
7.015  
-3.565

22 2.15  
-8.230  
-6.080

16 -.61  
-7.015  
-7.625

23 2.495  
-8.230  
-5.735

17 -1.045  
7.015  
8.060

24 2.76  
-8.230  
-5.470

18 -1.335  
-7.015  
-8.350

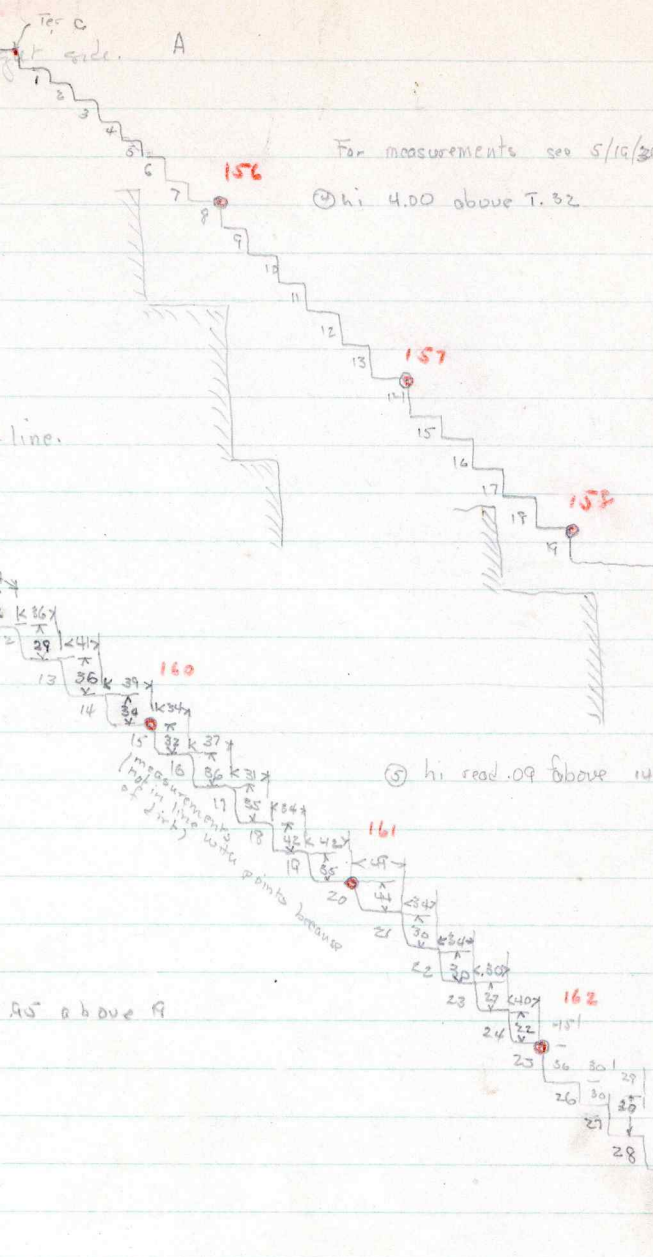
25 3.005  
-8.230  
-5.225

19 -1.615  
-7.015  
-8.630

27 -3.72  
-8.230  
-11.950

← 26 -3.395  
-8.23  
-11.625

5-4-39. k-5-2 stairway, right side.



Ter C - from

For measurements see 5/16/39

② hi 4.00 above T. 32

- 1
- 2 - .18 from ④
- 3 - .61 from ④
- 4 - .73 from ④
- 5 - 1.10 from ④
- 6 - 1.43 from ④
- 7 - 1.64 from ④
- 8 - 2.06 from ④
- 9 - 2.270 from ④
- 10 - 2.715 from ④
- 11 - 2.975 from ④
- 12 - 3.33 from ④
- 13 - 3.66 from ④
- 14 - 3.98 from ④
- 15 - .35 from ⑤
- 16 - .61 from ⑤
- 17 - 1.045 from ⑤
- 18 - 1.335 from ⑤
- 19 - 1.615 from ⑤

k-5-2 steps, center line.

① hi above T. 32 read 1.75

9 read down - 2.75

10 read down - 1.66

11 read down - 1.055

12 read down - 1.38

13 read down - 1.775

14 read down - 2.00

15 read down - 2.335

16 read down - 2.70

17 read down - 3.085

18 read down - 3.42      ③ hi read 4.0 above 9

19 read down - 3.825

20 read down - 1.855 from ③

21 read down - 1.81 from ②

22 read down - 2.15 from ③

23 read down - 2.495

24 read down - 2.76

25 read down - 3.025

26 - 3.395

27 - 3.72

28 - 4.03

③ hi above 28 read 1.92

29 - 2.195 from ③

30 - 2.475 from ③

31 - 2.815 from ③

- 3.075 from ⑤ bot. of st.

⑤ hi read .09 above 14 A

measurements taken in line with points because not in line with points because

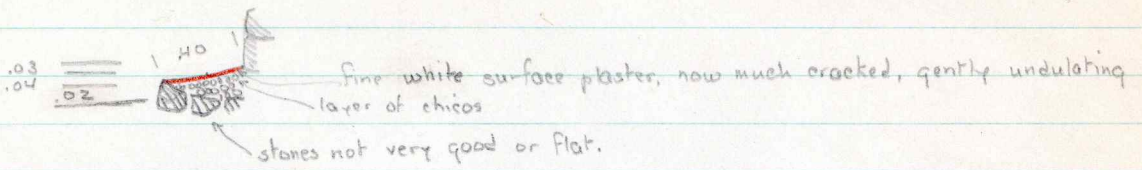
163

5/19/39

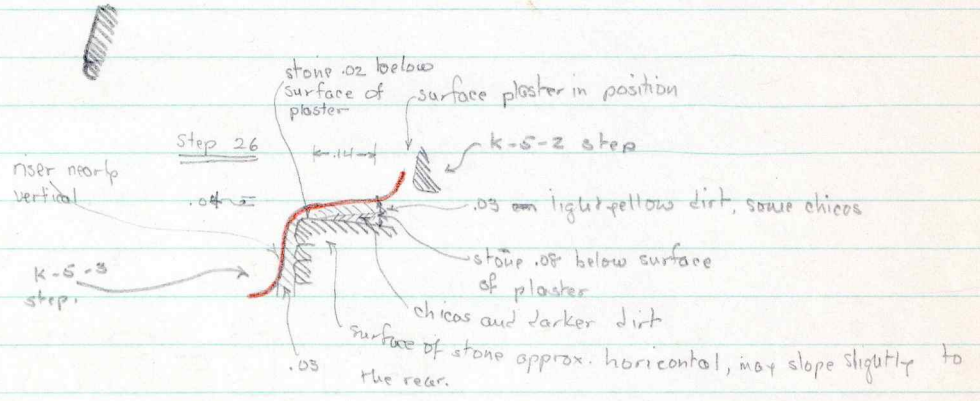
K-5-2 Steps.

Construction of tread and surfacing

Step 31 (bottom step)



Step 30



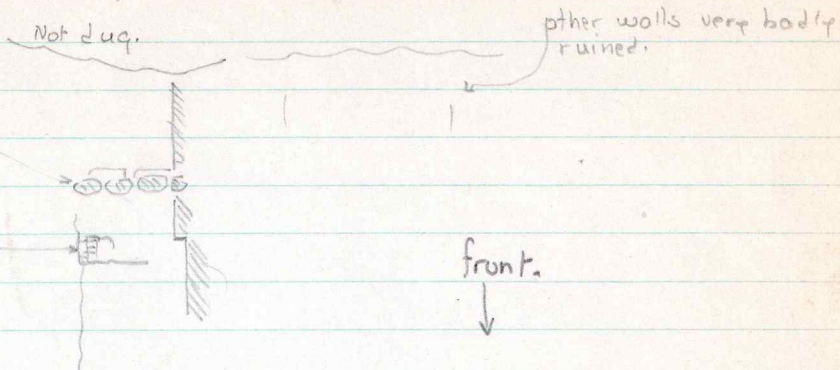
Where the plaster is preserved, this slope is repeated on all steps. (lowest 6 steps, almost complete)  
 Plaster curved over the edge of the step in all places where it is preserved.

3/27/39

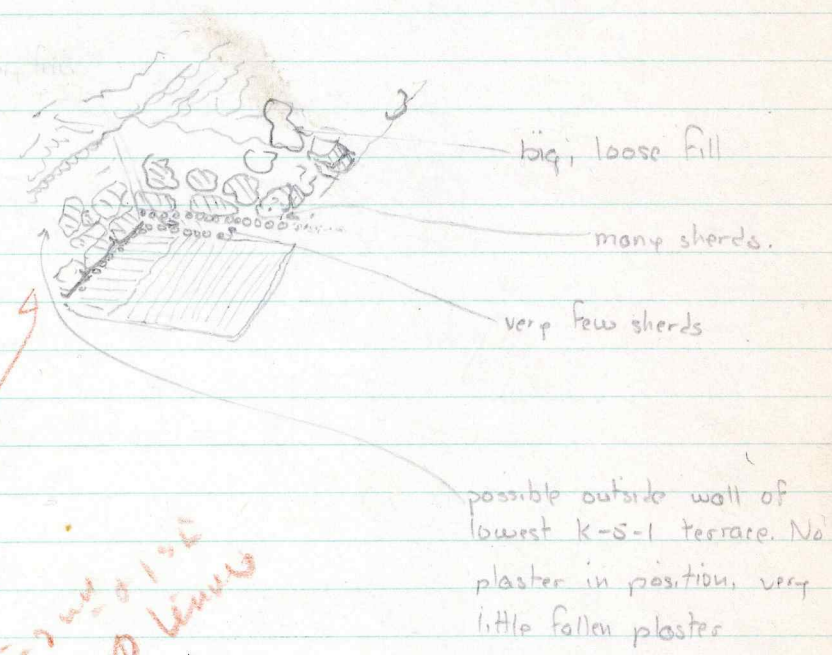
Trench at base of K-S-1 right side (Poncho)

Possible fill wall or corner. Upper stones removed by mistake before photographing \*

two firm, squarish stones.



Though these stones were fine at time of excavation, they were unshaped and not properly laid, leaving much loose dirt between and below them. Where they were fully excavated there was very little possibility that it had ever been a wall. (see)



K-S-1 wall + 1st  
1st level terrace

100 - 100  
111 -  
120 -

130 -  
140 -

150 -

160 -  
170 -  
180 -

190 -  
200 -  
210 -

220 -  
230 -  
240 -

250 -  
260 -  
270 -

5/16 k-s-1 and z calculations

hr

$$h \text{ Level } 28 = -11.07$$

$$h_i = \begin{array}{r} 1.77 \\ -9.30 \\ \hline \end{array}$$

$$1 \begin{array}{r} -.54 \\ 9.30 \\ \hline -9.84 \end{array}$$

$$2 \quad -9.84$$

$$3 \begin{array}{r} -.76 \\ -9.30 \\ \hline -10.06 \end{array}$$

$$4 \begin{array}{r} -1.015 \\ -9.30 \\ \hline -10.315 \end{array}$$

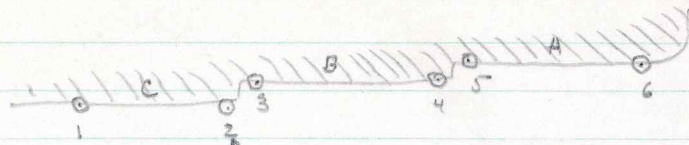
$$5 \begin{array}{r} -.95 \\ -9.30 \\ \hline -10.25 \end{array}$$

$$6 \begin{array}{r} -1.23 \\ -9.30 \\ \hline -10.53 \end{array}$$

5/26

K-S-1 right side, lowest terrace (K-S-2 also)

← front



hi above K-S-2 right side terrace level 28 = 1.77

1 nail down - 0.54

2 nail down - 0.54

3 nail down - 0.76

4 nail down - 1.015

5 nail down - 0.95

6 nail down - 1.23

lowest stone,  
probably foundation,  
ten feet below this  
level.

Wall stands

1 1.10

2 1.08

3 1.04

4 .61

5 .49

6 .30

Depth of Apron: 11.

Angle of Fall of

A vertical except for apron.

B out .15 down .94

C out .17 down .88

Note on later observation: Walls

A and B visually do not

fall in a straight line.

Fall of

First Outset Out .08 down .60

2nd outset Out .12 down .61

(toward front.)

1-2 = 1.71 (+)

2-4 = 2.53 (+)

3-4 = 2.54 (+)

2-3 = .19

4-6 = 2.52 (+)

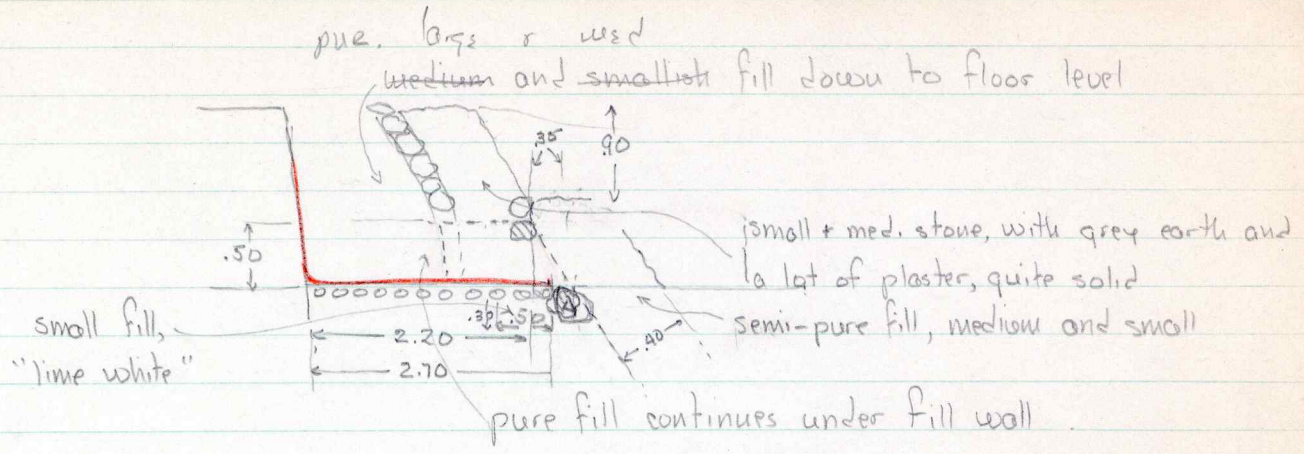
5-6 = 2.44 (+)

4-5 = .36

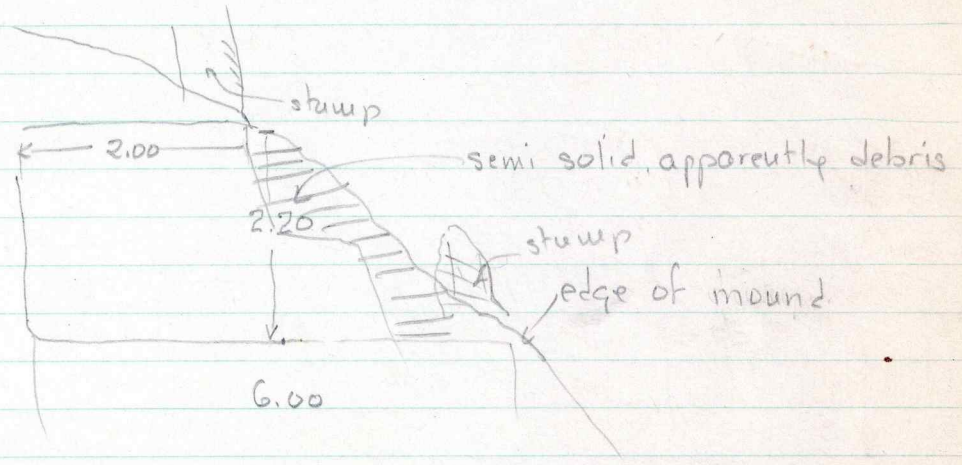


k-5-3  
(2)

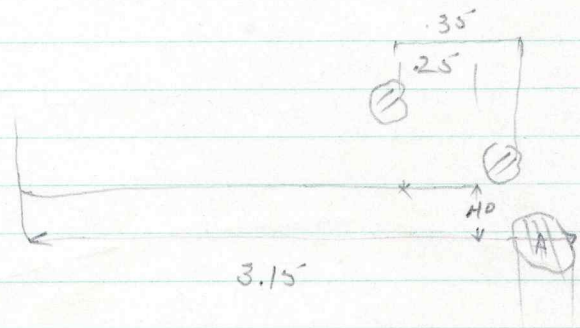
3/20/39 Monday



2.20
35
2.75



6.30

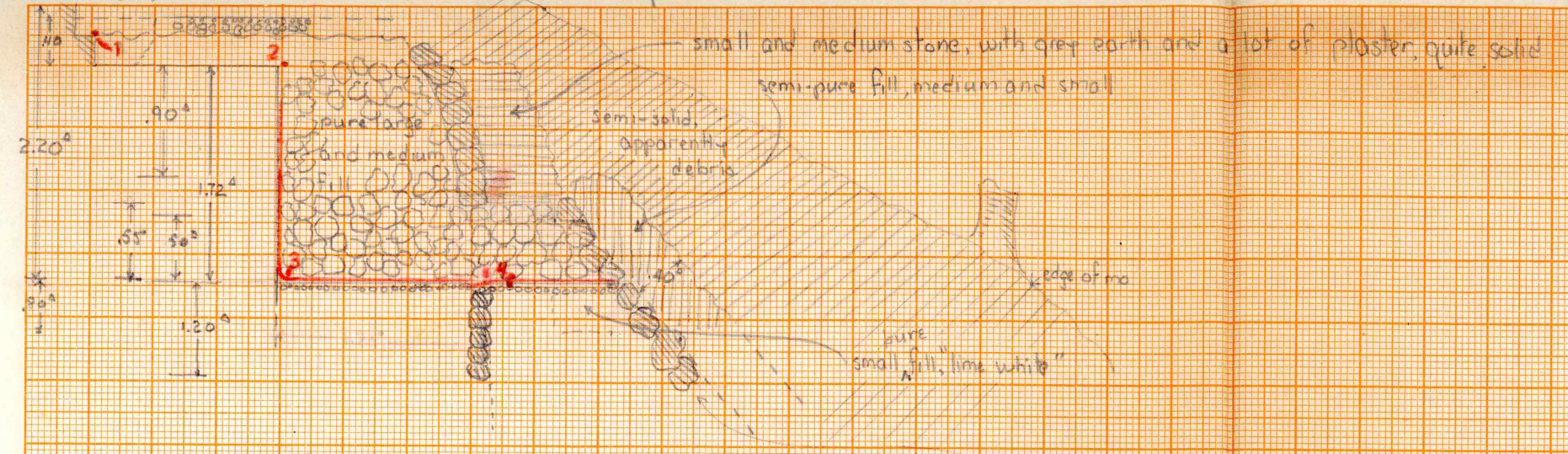


This information correlated on Work sheet 4.

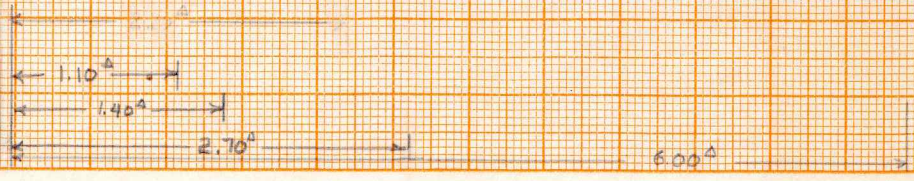


Work-sheet 4.  
double scale. (0.02=1.00)

section is 2.90 to rear of  
left front corner of K-5-3  
building.



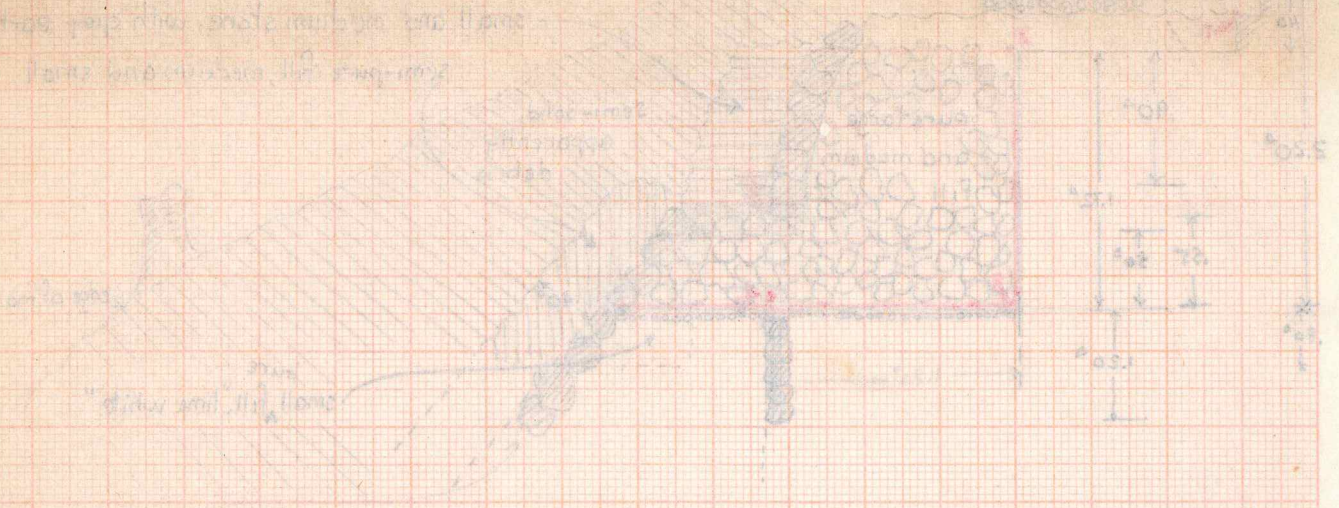
"fill wall" may have  
less batter.



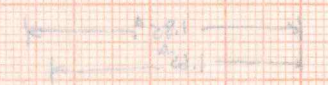
KEUFFEL & ESSER CO., N. Y. NO. 359-141  
limbless, 10th. lines heavy.  
MADE IN U. S. A.

Block sheet A  
Scale 1:500  
Section in 2.10 to 2.15  
1st floor plan of K-2-3  
Building

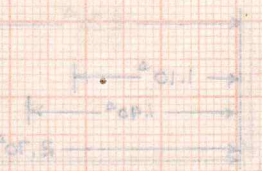
Small and medium stone with grey mortar  
Small and medium stone with grey mortar



Small and medium stone with grey mortar



2003



3/22/38. Work Sheet 4a

Heights in trench at left side of k-5-3

$H_i = \text{read up} = +0.63$  on (9) (on k-5-3 plinth at left onto end)  
 $h \text{ of } 9 = -5.23$   
 $h_i = -4.60$

Point 1 read down  $-0.77$   
 $-4.60$   
 $h = -5.37$

Point 2 " "  $-1.03$   
 $-4.60$   
 $h = -5.63$

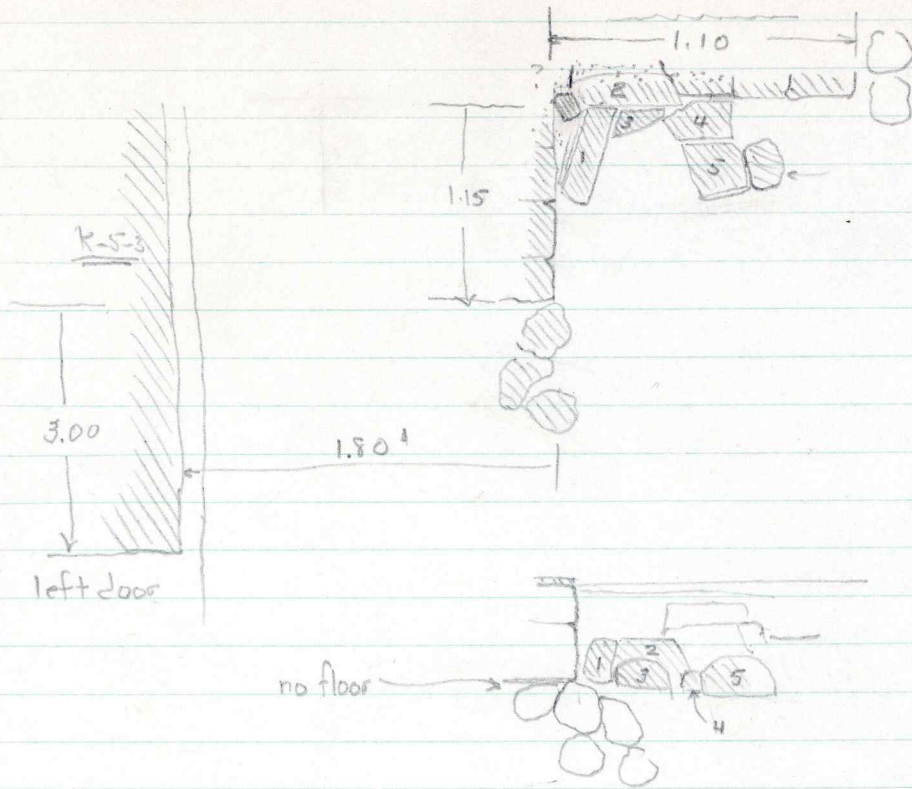
Point 3 read down  $-2.80$   
 $-4.60$   
 $h = -7.40$

Point 4 read down  $-2.96$   
 $-4.60$   
 $h = -7.56$

3/22/38

(i.e. (about plinth level) L.S.

Questionable construction in front of K-S-3 at building level. (Probable fill wall)



flat slab behind 1 against face of wall

Stone 2 tails into the wall (?)

Underneath these stones was some light-colored earth and a very few small stones above large pure fill.

Apparent base at level of plinth of K-S-3

Conclusion: this is probably a fill wall, though of better construction than usual, including several squared blocks (no plaster)

Dug by Augustine.

3/22/38

Slope of k-5-3 plinth (left side)

Elevation

$h_i = -4.60$

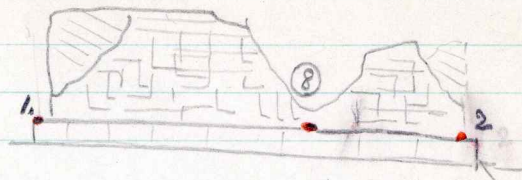
1 read ↓ - 0.71  
 $\underline{-4.60}$

$h = -5.31$

⑧  $h = -5.405$

2 read ↓ - 1.10  
 $\underline{-4.60}$

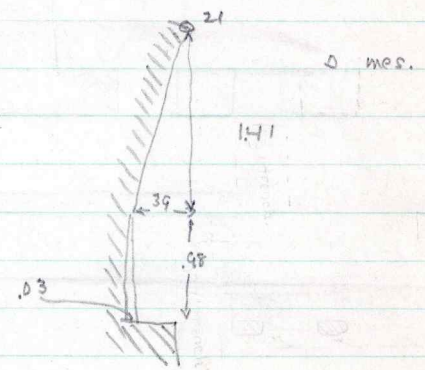
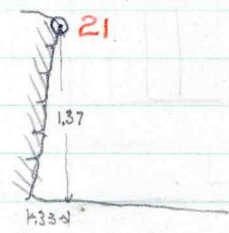
$h = -5.70$



about 80  
 from rear  
 corner, not  
 visible

3/31/38 k-5-3 rear wall, angle of fall. <sup>of building (L5)</sup>

Transit point





K-5-3 levels, building platform, calculations

$$9 \quad h = -5.225$$

$$\textcircled{1} \quad \begin{array}{r} 70.69 \\ \hline h_i = -4.535 \quad (\text{gap } -4.54) \end{array}$$

$$1 \quad \begin{array}{r} -4.535 \\ -1.085 \\ \hline \end{array}$$

$$h_2 = -5.620$$

2

$$3 \quad \begin{array}{r} -1.17 \\ -4.535 \\ \hline -5.705 \end{array}$$

4

$$5 \quad \begin{array}{r} -1.095 \\ -4.535 \\ \hline -5.630 \end{array}$$

6

7

$$8 \quad \begin{array}{r} -4.54 \\ -1.50 \\ \hline 6.04 \end{array}$$

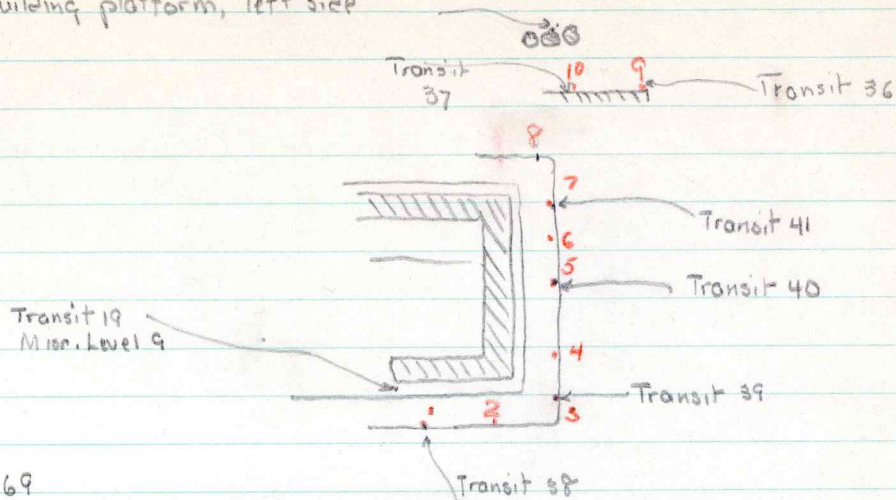
$$9 \quad \begin{array}{r} -4.535 \\ -3.24 \\ \hline \end{array}$$

$$h_2 = -7.775 \quad (\text{gap } -7.78)$$

$$10 \quad \begin{array}{r} -4.535 \\ -3.115 \\ \hline \end{array}$$

$$h_2 = -7.650$$

k-5-3 levels, building platform, left side



① Hi above 9: 0.69

1 read down from ① - 1.085

2 read down from ① - 1.995

3 read down from ① - 1.17

4 read down from ① - 1.00

5 read down from ① - 1.095

⑥ read down from ① - 1.095

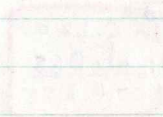
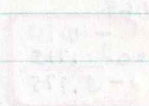
7 read down from ① - 1.12

8 read down from ① - 1.50

9 down from ① - 3.24

10 down from ① - 3.115

} do not check with 5-17-89 under k-5-2



K-5-3 Temple & bldg platform. Levels. 5-29-39.

① hi above zero read: 0.64

I read down - 2.79 highest standing point on bldg wall behind c (from ①)

$$\begin{array}{r} .64 \\ - 2.15 \\ \hline - 2.15 \end{array}$$

② hi above I read: +1.19

$$\begin{array}{r} +1.19 \\ - .96 \\ \hline \end{array}$$

II rear center plinth, below & right of T.21 read down - 3.99 from ②

$$\begin{array}{r} .96 \\ - 4.95 \\ \hline \end{array}$$

III read down - 3.73 point on bench<sup>edge</sup> in front and slightly to left of c.

$$\begin{array}{r} .96 \\ - 4.69 \\ \hline \end{array}$$

③ hi above III read: -4.690  
-3.975

T.22 read down - 2.97 from ④

$$\begin{array}{r} - 4.155 \\ - 7.125 \\ \hline \end{array}$$

T.19 read - 1.245 from ③

$$\begin{array}{r} - 3.975 \\ - 5.220 \\ \hline \end{array}$$

138 read down - 2.98 from ④

$$\begin{array}{r} - 4.155 \\ - 7.135 \\ \hline \end{array}$$

139 - bottom stone of step. - 3.215 from ③

$$\begin{array}{r} - 3.975 \\ - 7.190 \\ \hline \end{array}$$

140 bottom stone of step - 2.94 from ④

$$\begin{array}{r} - 4.155 \\ - 7.095 \\ \hline \end{array}$$

(fill seems to rise above this stone)

141 read down - 0.865 from ④ top of plinth

$$\begin{array}{r} - 4.155 \\ - 5.020 \\ \hline \end{array}$$

142 read down - 1.14 from ④ top of plinth.

$$\begin{array}{r} - 4.155 \\ - 5.295 \\ \hline \end{array}$$

143 read down - 3.315 from ③, bottom stone.

$$\begin{array}{r} - 3.975 \\ - 7.290 \\ \hline \end{array}$$

144 read down - 3.515 from ③ bottom stone.

$$\begin{array}{r} - 4.13 \\ - 7.645 \\ \hline \end{array}$$

145 read down - 1.25 from ③ bottom stone.

$$\begin{array}{r} - 3.975 \\ - 5.225 \\ \hline \end{array}$$

146 read down - 1.14 from ③, pier with plaster on face seems to go .09 below this (bottom stone) but some traces of plaster floor at this level.

$$\begin{array}{r} - 3.975 \\ - 5.115 \\ \hline \end{array}$$

147 read down - 0.91 from ④ bottom stone of pier, plinth stone passes under pier.

$$\begin{array}{r} - 4.155 \\ - 5.065 \\ \hline \end{array}$$

148 read down - 1.385 from ③ lowest stone.

$$\begin{array}{r} - 3.975 \\ - 5.360 \\ \hline \end{array}$$

149 read down - 1.275 from ④ top of bldg plat.

$$\begin{array}{r} - 4.155 \\ - 5.430 \\ \hline - 5.220 \end{array}$$

④ hi above T.19 read: +1.065  
-4.155



k-s-s building & building platform. Levels, cont. (page 2) 5/29/89

D read down - 1.355 from ③, base of side wall, front wall rests on some displaced stones, more excavation indicated.

E A read down - 0.87 top of bench  

$$\begin{array}{r} - 3.975 \\ - 4.845 \end{array}$$

F read down - 1.215 from ④ bottom stone of wall. A' read down - 1.39 bottom of bench, on  

$$\begin{array}{r} - 3.975 \\ - 5.385 \end{array}$$
 a flat stone which seems

G read down - 1.40 from ③ top of plinth. B read down - .85 (top) to run under side wall.  

$$\begin{array}{r} - 3.975 \\ - 4.825 \end{array}$$
 More excavation.

H B' read down - 1.415 bottom of bench  

$$\begin{array}{r} - 3.975 \\ - 5.390 \end{array}$$

I read down - 0.46 from ③ on surface plaster in position near center line  

$$\begin{array}{r} - 4.13 \\ - 4.59 \end{array}$$
 fill wall.

J read down - 1.58 from ③ top of bldg plat. C read down - .685 top  

$$\begin{array}{r} - 3.975 \\ - 5.160 \end{array}$$
 4.660

K read down - 1.46 from ③ bottom of wall. C' read down - 1.185 bottom.  

$$\begin{array}{r} - 3.975 \\ - 5.170 \end{array}$$
 5.160  
 Points on top of bench are at edge in front of lettered stakes. Points at bottom are below these top points. (all from ③)

L read down - 1.43 from ③ bottom of wall

M read down - 1.51 from ③ bottom of wall

N read down - 1.025 from ④ bottom of wall, sits on a flat stone not in line with wall face, may be fill or other construction (see also point D)

Levels on steps read down:

XVIII - 1.575 from ④  

$$\begin{array}{r} - 4.155 \\ - 5.730 \end{array}$$

XIII - 1.80 from ③  

$$\begin{array}{r} - 3.975 \\ - 5.775 \end{array}$$

VIII - 1.84 from ③  

$$\begin{array}{r} - 3.975 \\ 5.815 \end{array}$$

XVII - 1.77 from ④  

$$\begin{array}{r} - 4.155 \\ - 5.925 \end{array}$$

XII - 2.055 from ③  

$$\begin{array}{r} - 3.975 \\ - 6.030 \end{array}$$

VII - 2.075 from ③  

$$\begin{array}{r} - 3.975 \\ - 6.050 \end{array}$$

XVI - 2.07 from ④  

$$\begin{array}{r} - 4.155 \\ - 6.225 \end{array}$$

XI - 2.355 from ③  

$$\begin{array}{r} - 3.975 \\ - 6.330 \end{array}$$

VI - 2.385 from ③  

$$\begin{array}{r} - 3.975 \\ - 6.360 \end{array}$$

XV - 2.38 from ④  

$$\begin{array}{r} - 4.155 \\ - 6.535 \end{array}$$

X - 2.605 from ③  

$$\begin{array}{r} - 3.975 \\ - 6.580 \end{array}$$

V - 2.615 from ③  

$$\begin{array}{r} - 3.975 \\ - 6.590 \end{array}$$

XIV - 2.62 from ④  

$$\begin{array}{r} - 4.155 \\ - 6.775 \end{array}$$

IX - 2.93 from ③  

$$\begin{array}{r} - 3.975 \\ - 6.905 \end{array}$$

IV - 2.90 from ③  

$$\begin{array}{r} 3.975 \\ - 6.875 \end{array}$$

↑  
 As far to center as possible,  
 in line with eye.

↑  
 in line with left  
 corner of left pier.

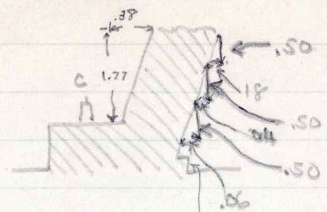
↑  
 left edge of steps

All points on front edge of steps.

k-s-3 building, and building platform. General measurements.

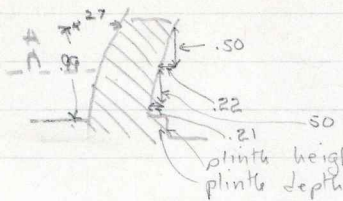
5/21/39

"Batter" on rear wall (falling out)



plinth height .37 - may be floor level, poorer stones, without plaster go down .50 further, resting on pure fill

"Batter" on left side wall

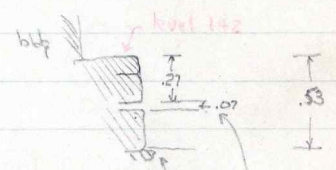
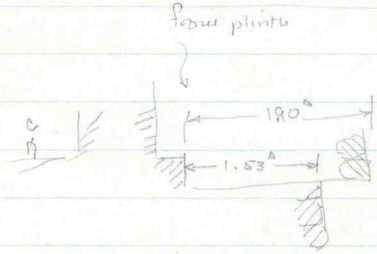


plinth height .65 - Plinth goes irregularly to this depth below level g, rests on pure fill, may be foundation, with floor above these stones. Floor much disturbed here by previous digging.  
 plinth depth .27

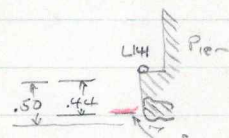


at left front corner, inside.

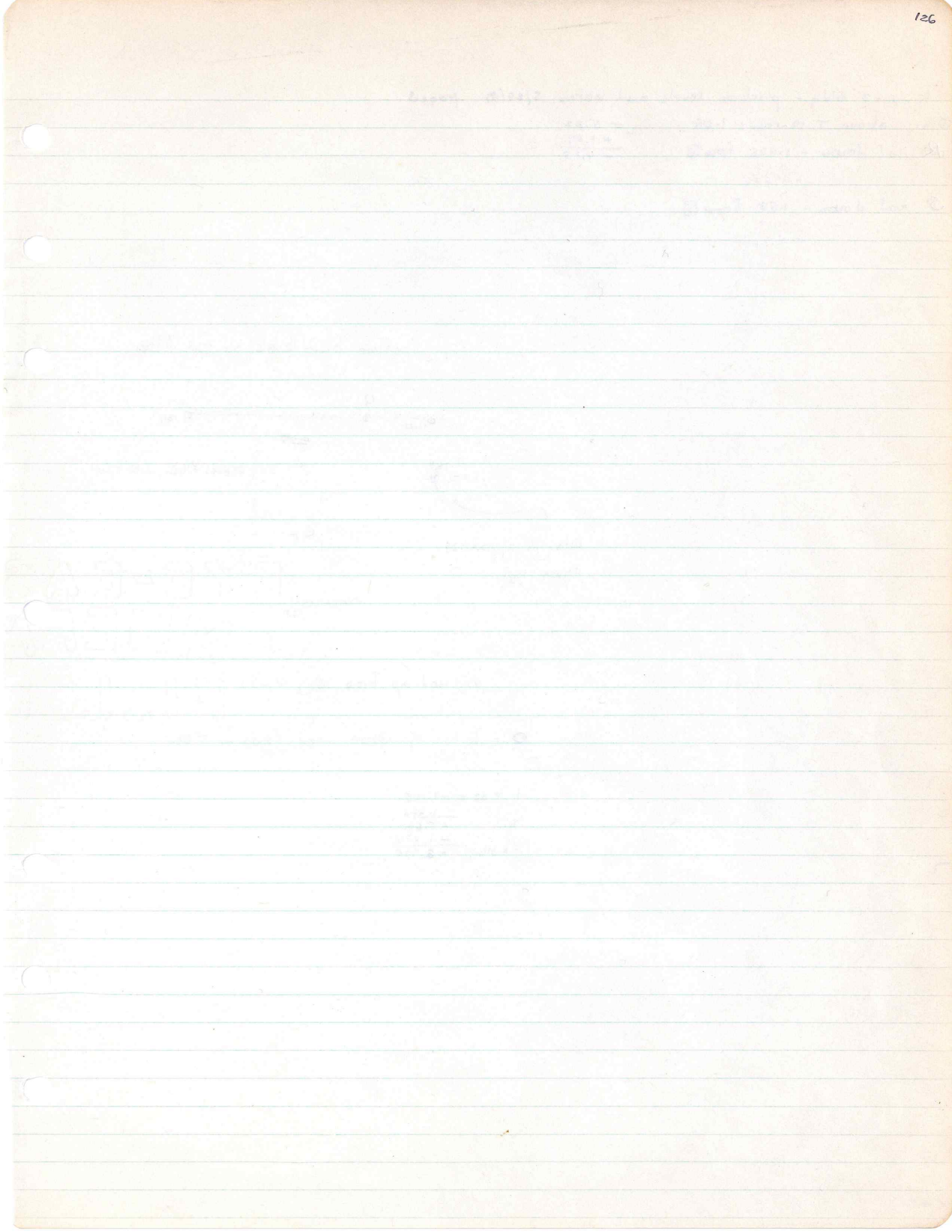
Plinth at left front corner. Side section



Wall sits on a displaced stone, further digging indicated. may be on fill  
 greyish plaster in this separation



floor plaster in position, does not pass under plinth, but plinth does not go down any great distance



K-5-3 Bldg platform levels and notes. 5/29/39. page 3.

③ hi above T 19 read: 1.09

$$\begin{array}{r} - 5.22 \\ + 1.09 \\ \hline - 4.13 \end{array}$$

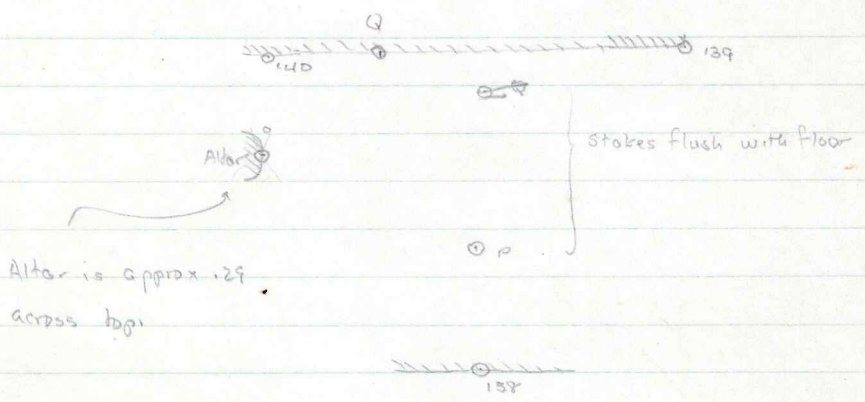
R rod down - 1.496 from ③

$$\begin{array}{r} - 4.13 \\ - 1.496 \\ \hline - 5.626 \end{array}$$

④ rod down - 1.58 from ③

$$\begin{array}{r} - 4.13 \\ - 1.58 \\ \hline - 5.71 \end{array}$$

Position and levels on Col. Altar.

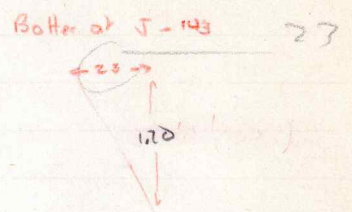
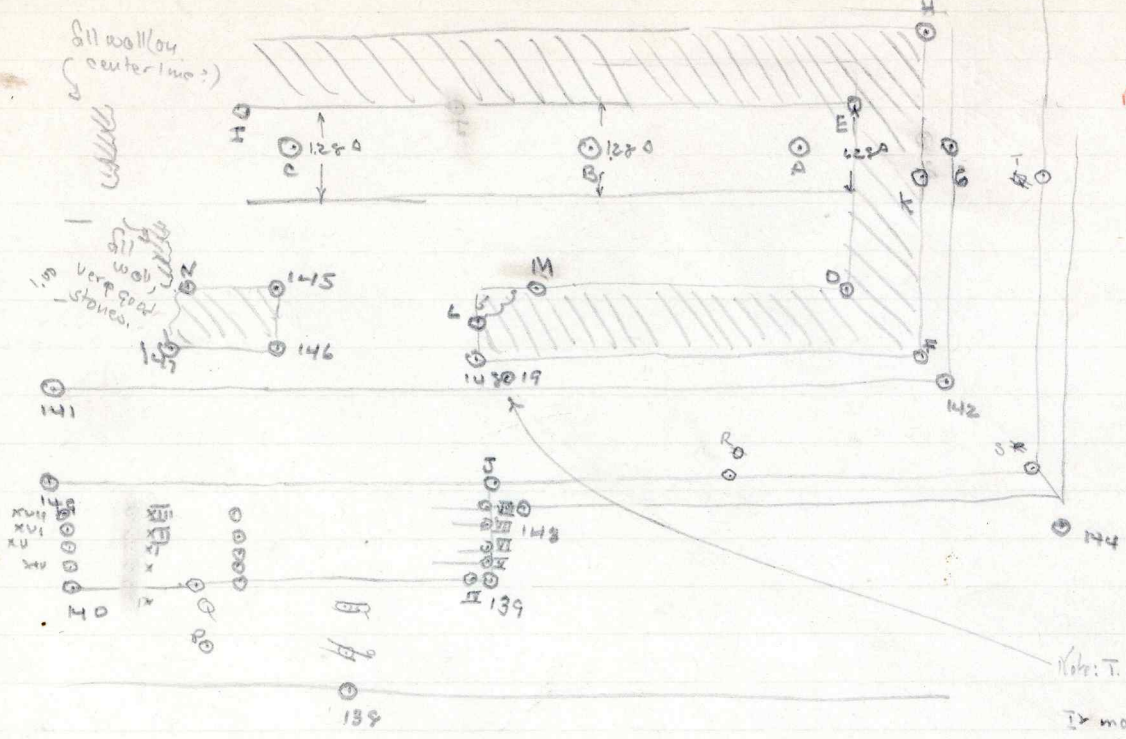


Hi rod up from 32 1.485

② = h top of stone read down - 1.085

$$\begin{array}{r} h T 32 = -7.125 \\ \quad \quad \quad 1.485 \\ hi \quad \quad \quad - 5.640 \\ \quad \quad \quad - 1.085 \\ \hline h altar = - 8.725 \end{array}$$

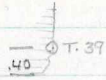
k-s-3 Temple - bldg. plot. Measurements.



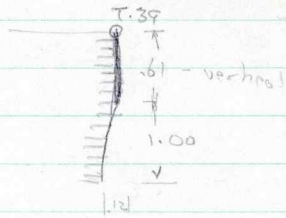
140 - 138 = 4.32 (+)	A			
140 - 139 = 6.30 (+)	B			
149 - 139 = 5.50 (+)	C	148 - C = 7.28 (+)	145 - C = 4.59 (+)	an error in early shooting.
149 - 139 = 3.74 (+)	D	C - D = 8.50 (+)	B - D = 5.98 (+)	145 - D = 6.22 (+)
139 - 144 = 5.88 (+)	E	145 - E = 8.01 (+)	C - E = 7.29 (+)	A - E = .66
143 - 144 = 5.47 (+) to actual corner.	F	149 - F = 9.24 (+)	141 - F = 9.18 (+)	F - 142 = .41
149 - 142 = 9.50 (+)	G	142 - G = 4.42 (+)	146 - G = 8.62 (+)	G - G = 8.70 (+)
141 - 142 = 9.48 (+)	H			
145 - 146 = 1.07 (+)	I	C - I = 1.21 (+)	145 - I = 5.51 (+)	E - I = 8.35 (+)
	J	149 - J = 5.13 (+)	148 - J = 1.72 (+)	J - 142 = 4.46 (+)
	K	142 - K = 3.51 (+)	C - K = 8.77 (+)	G - K = .92
	L	146 - L = 3.78 (+)	148 - L = .79	C - L = 6.73 (+)
	M	C - M = 6.70 (+)	B - M = 4.75 (+)	145 - M = 3.99 (+)
	N	C - N = 4.36 (+)	N - 145 = .78	A - N = 8.00 (+)
Alter:	O	O - <del>138</del> <sup>135</sup> = 3.80 (+)	Q - O = 2.41 (+)	P - O = 2.91 (+)
	P	P - 140 = 2.81 (+)	P - 138 = 2.34 (+)	P - 148 = 6.32 (+)
	Q	Q - 140 = 2.83 (+)	Q - 32 = 4.50 (+)	Q - 148 = 5.86 (+)
	R			
	S			
	T			

C-5-39. K-5-3

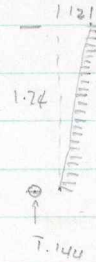
Building platform.  
Left front corner:  
plan



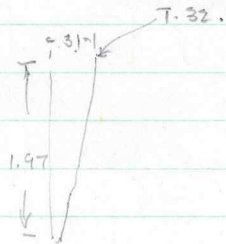
Front elevation



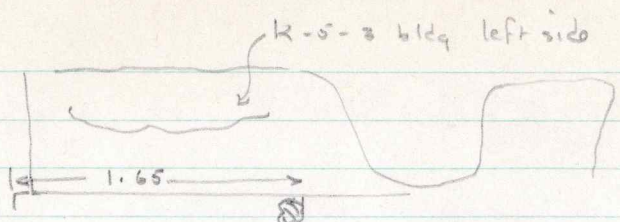
Side elevation



Ter E



K-5-3  
8/30/39

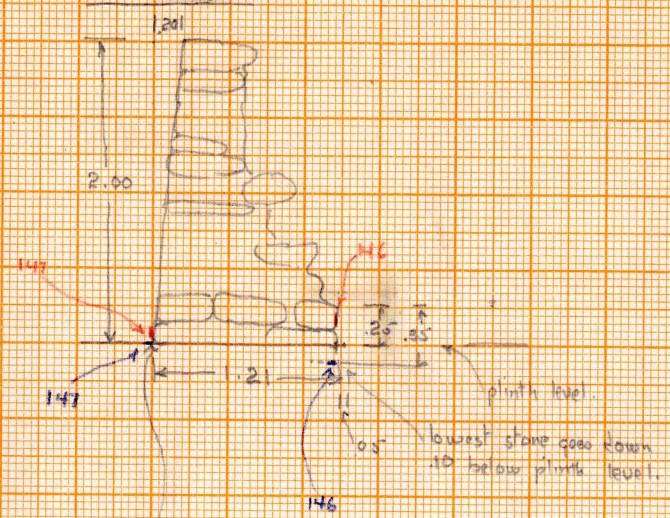


possibl.  
 fill wall, lowest stones found, no information on  
 direction of face. Runs from plinth to edge  
 of basal terrace.

Scale .02 = 1.00'

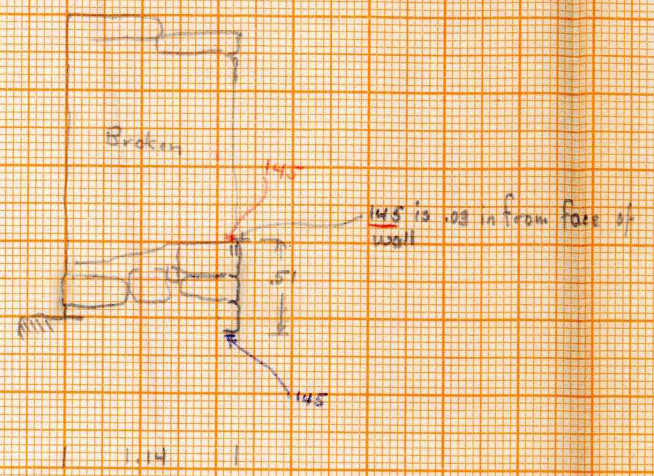
Pier

Front elevation

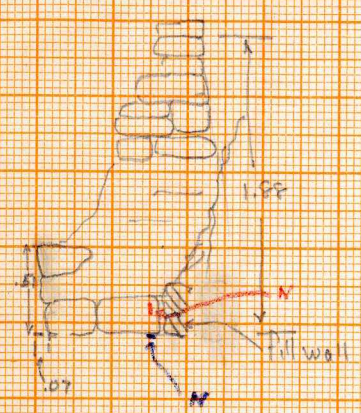


lowest stone rests on base of plinth

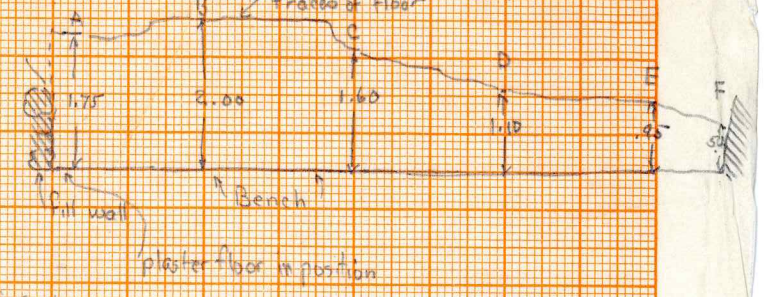
left side elevation



Inside elevation



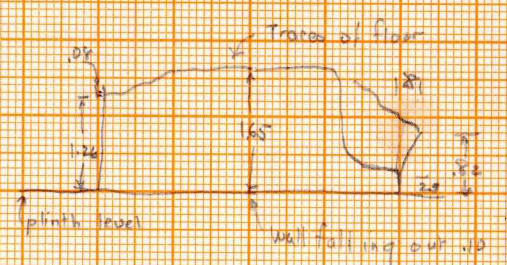
Elevation of inside of rear wall. Rough 1:100 scale.



Baker's

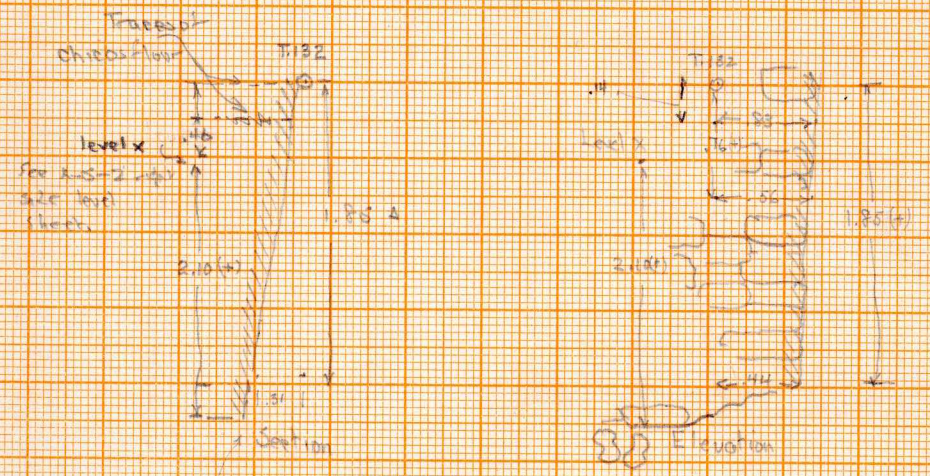
- A .25 out, 1.62 down
- B .39 out, 2.00 down
- C .36 out, 1.50 down
- D .45 out, .67 down
- E .30 out, .92 down
- F .34 out, .54 down

Elevation of left end, outside. Rough 1:100 scale



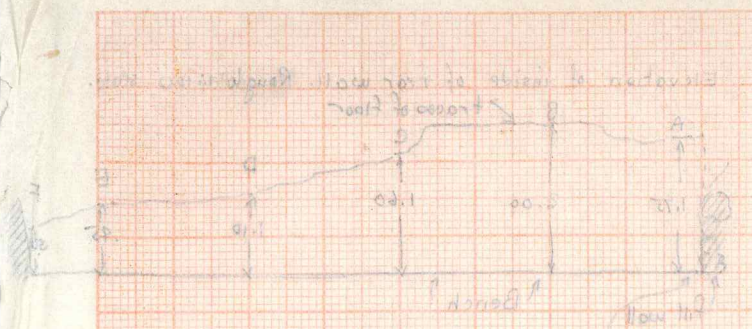
- Transit points
- Level points

k-5-3 building, right side



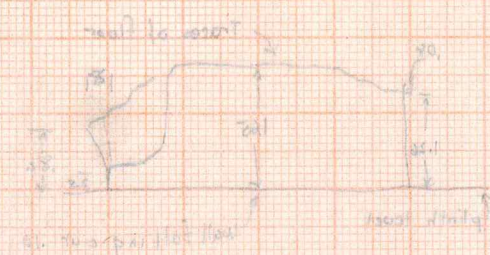
floor sloping to front

LS saw evidence for a breaking plinth

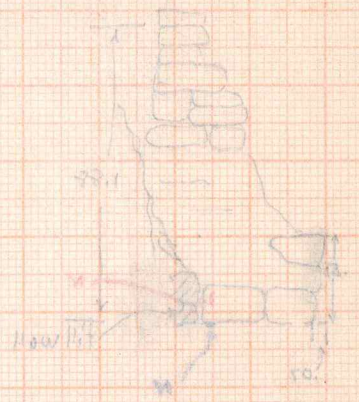


- 1. 34 out on base
- 2. 34 out on base
- 3. 34 out on base
- 4. 34 out on base
- 5. 34 out on base
- 6. 34 out on base
- 7. 34 out on base
- 8. 34 out on base
- 9. 34 out on base
- 10. 34 out on base

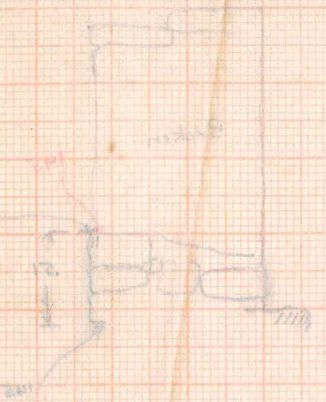
Structure of left side of wall



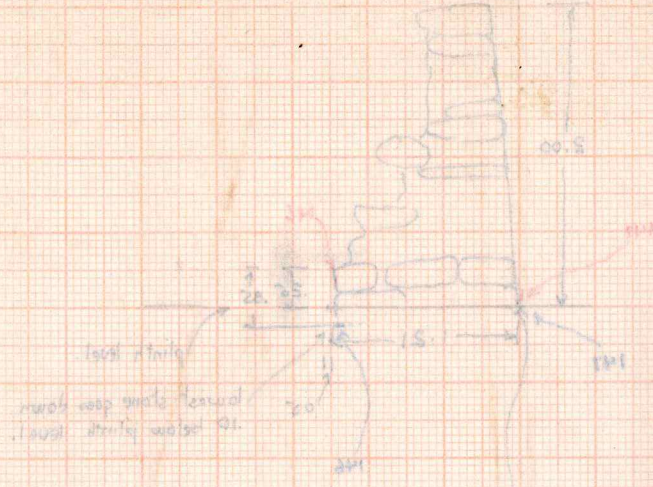
Structure of wall



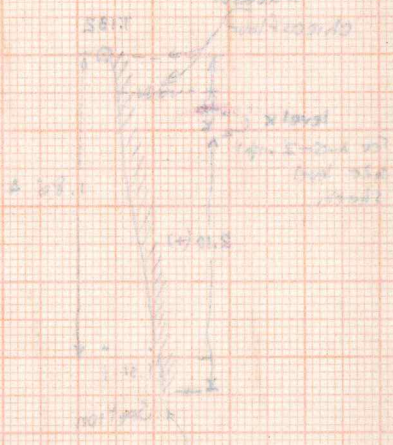
Structure of wall



Structure of wall



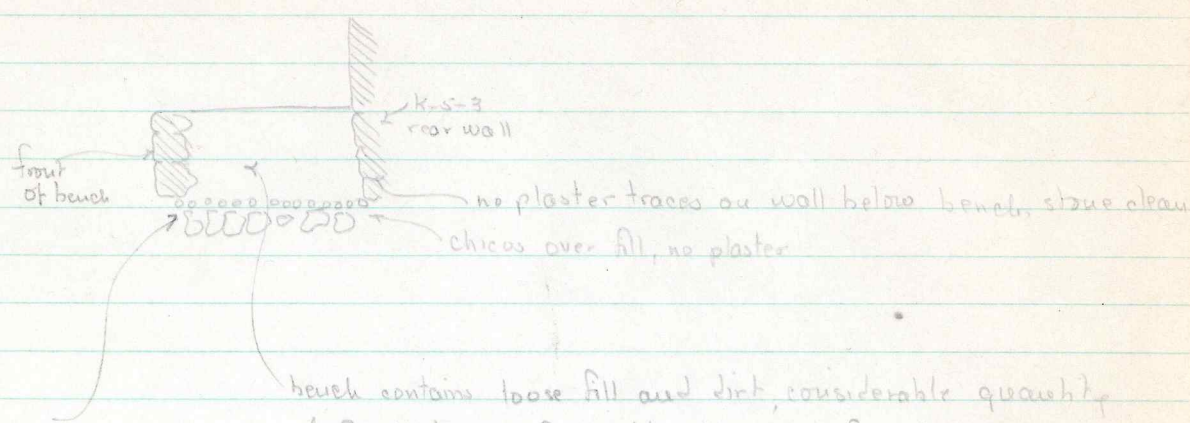
Structure of wall



Structure of wall

6- - 39.

Cut through k-s-3 bench.  
Section



chicos pass under temple rear wall, and also under front wall of bench. chicos very few, stones of both walls rest partly on fill below.

bench contains loose fill and dirt, considerable quantity of fill is this soft white limestone, found all around the temple, which has disintegrated to a white paste.

Bench cleared from stake c to center fill wall, 3 sherds in bag ( ) found, also possible section of column altar. (very poor)



$$\begin{array}{r} k_{106} = -9.70 \\ +1.66 \\ \hline \textcircled{1} k_i = -8.04 \end{array}$$

$$\begin{array}{r} AA = -1.875 \\ -8.04 \\ \hline -9.915 \end{array}$$

$$\begin{array}{r} AB = -1.63 \\ -8.04 \\ \hline -9.67 \end{array}$$

$$\begin{array}{r} AC = -1.95 \\ 8.04 \\ \hline -9.99 \end{array}$$

$$\begin{array}{r} AD = -1.785 \\ -8.04 \\ \hline -9.825 \end{array}$$

$$\begin{array}{r} AE = -1.845 \\ -8.04 \\ \hline -9.885 \end{array}$$

$$\begin{array}{r} AF = -1.785 \\ -8.04 \\ \hline -9.825 \end{array}$$

$$\begin{array}{r} AG = -1.67 \\ -8.04 \\ \hline -9.71 \end{array}$$

$$\begin{array}{r} AH = -3.06 \\ 8.04 \\ \hline -1.10 \end{array}$$

$$\begin{array}{r} AI = -1.10 \end{array}$$

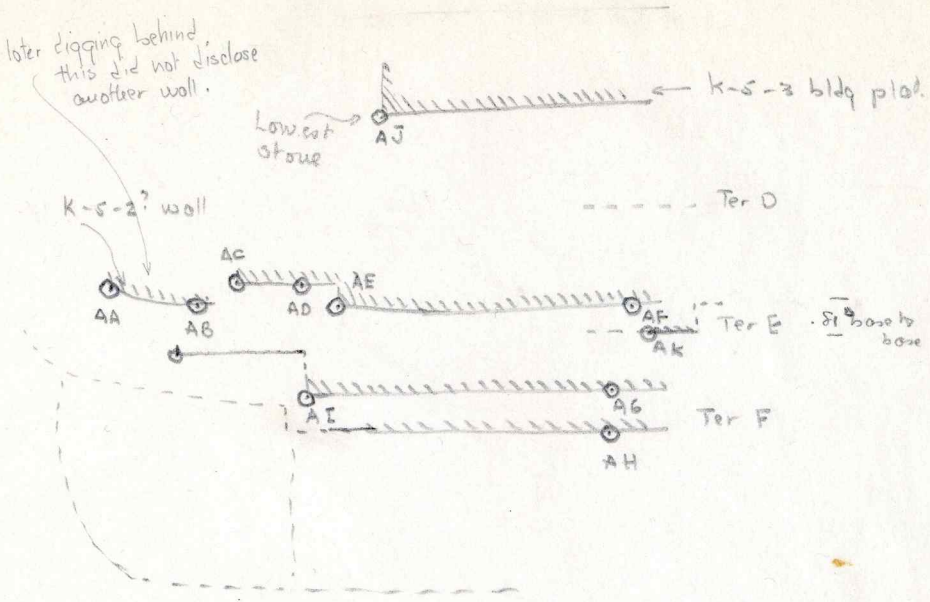
$$\begin{array}{r} AJ \end{array}$$

$$\begin{array}{r} AK = 1.725 \\ 8.04 \\ \hline -9.765 \end{array}$$

5/25/31

K-5-3, left rear corner.

Additional points inside k-5-2



AI and AG are not on lowest stones of wall. All others are.

AA	AA - 107 = 6.66 (+)	AA - 108 = 9.28 (+)	AA - 106 = 1.98 (+)
AB	AB - 107 = 6.30 (+)	AB - 108 = 8.46 (+)	AB - 106 = 1.10 (+)
AC	AC - 107 = 6.70 (+)	AC - 108 = 8.32 (+)	AC - 106 = 1.52 (+)
AD	AD - 107 = 6.98 (+)	AD - 108 = 8.26 (+)	AD - 106 = 2.18 (+)
AE	AE - 107 = 6.87 (+)	AE - 108 = 7.81 (+)	AE - 106 = 2.41 (+)
AF	AF - 107 = 7.66 (+)	AF - 108 = 7.62 (+)	AF - 106 = 4.00 (+)
AG	AG - 107 = 6.50 (+)	AG - 108 = 6.30 (+)	AG - 106 = 3.65 (+)
AH	AH - 107 = 5.75 (+)	AH - 108 = 5.80 (+)	AH - 106 = 3.17 (+)
AI	AI - 107 = 5.52 (+)	AI - 108 = 6.85 (+)	AI - 106 = 1.41 (+)
AJ	AJ - C = 3.33 (+)	AJ - 44 = 4.04 (+)	AJ - AI = 4.77 (+)
AK	AK - 107 = 7.00 (+)	AK - 108 = 6.82 (+)	AK - 106 = 3.82 (+)
AL	AL - 107 = 5.75 (+)	AL - 108 = 8.40 (+)	AL - I = 2.64 (+)

This point is .08 out at 100' to bottom on a higher stone. Highest stone of corner still in position.

AJ - AK = 4.04 (+)

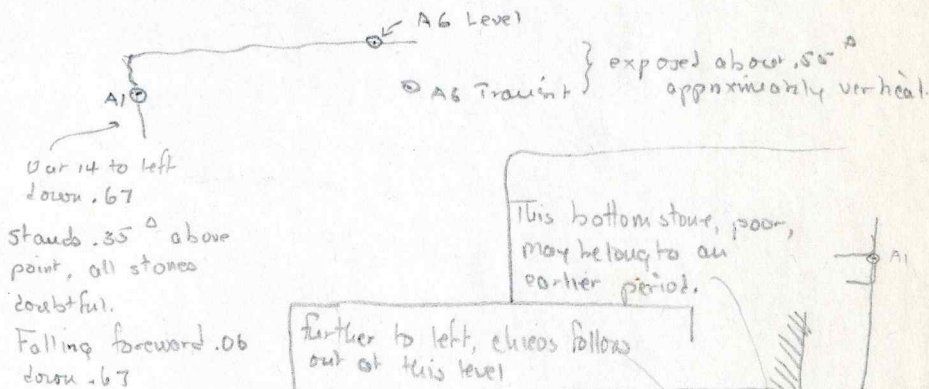
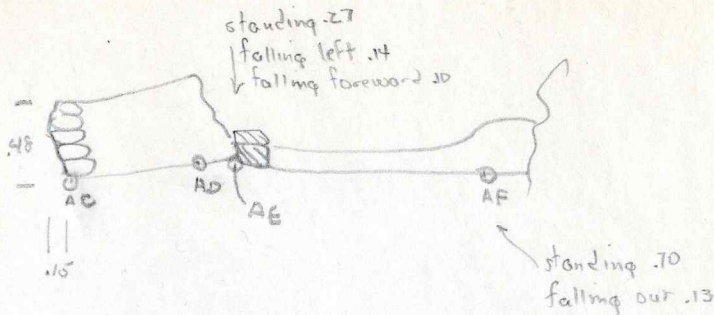
hi = 1.66 above 106.

hi = .36 above wire level 4

- AA down - 1.875 from ①
- AB down - 1.63 from ①
- AC down - 1.45 from ①
- AD down - 1.785 from ①
- AE down - 1.845 from ①
- AF down - 1.785 from ①
- AG down - 1.67 - top stone of wall, plaster traces ①
- AH down - 3.06 (bottom stone) ①
- AI h of AI (point) is .77 above apron at J.
- AJ down - 3.09 from ②
- AK down - 1.725 from ①

K-5-3 Left rear corner.

See K-5-2 same.



Var 14 to left  
down .67

stands .35  $\Delta$  above  
point, all stones  
doubtful.

Falling forward .06  
down .67

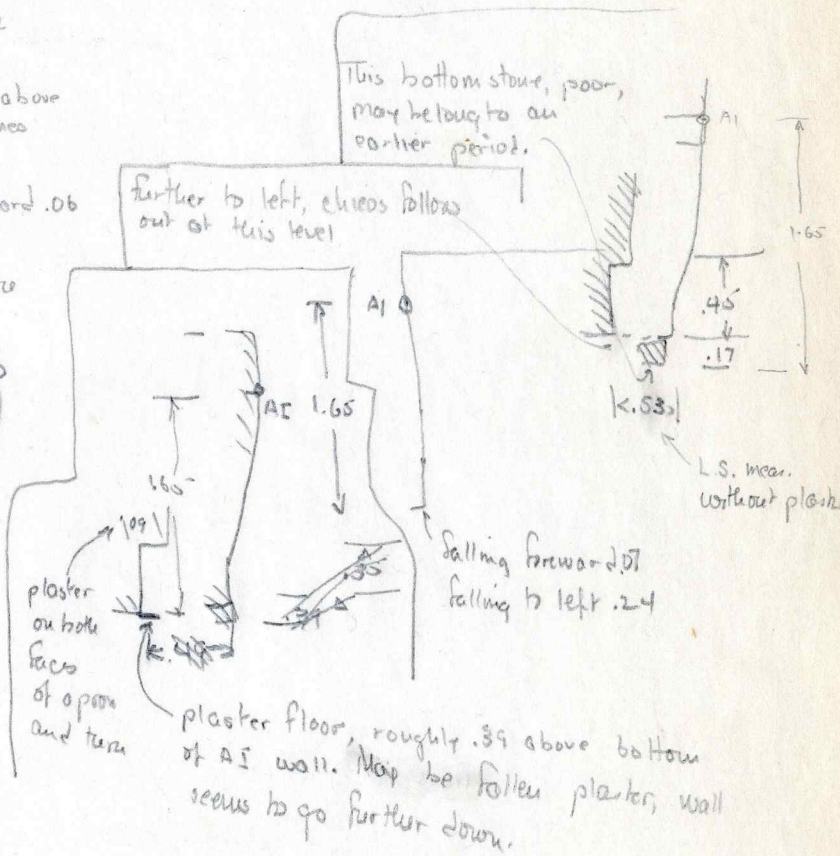
Side elevation

A6  
to bottom of  
wall 1.70

falling out 21  
between known  
heights. It is  
not excavated  
to bottom of  
wall, fall  
measured  
25 to left, approx  
same position front  
and back.

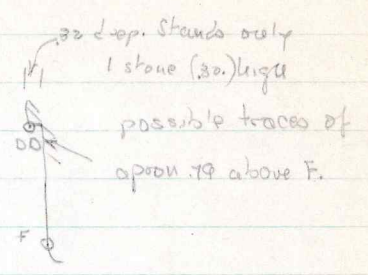
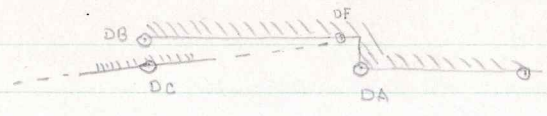
Traces  
of plaster  
floor 10  
above level.

Wall goes  
down 1 stone  
(.20 (?) ) below  
level. Chieos  
do not run  
under.



Falling to left .30 and forward 33  
from standing height of 1.32 above point.

6-2-89. Left rear corner.  
K-5-3 and earlier construction



- DA - 107 = 5.73 (+)
- DA - 107 = 5.79 (+)
- DC - 107 = 5.50 (+)
- DD - F = 2.68 (+)
- DD - F = 2.70 (+)
- DA - 108 = 6.90 (+)
- DB - 108 = 9.43 (+)
- DC - 108 = 7.93 (+)
- DD - B9 = 12.00 (+)
- DB - D-C = .56
- ∠ DD-B9-B7 = 120° 28'
- ∠ F-B9-B7 = 124° 47'
- DD-B10-B11 = 101° 09'
- F-B10-B11 = 99° 35'

Hi above AG read 1.77      h OB = -9.71  
 $\begin{array}{r} +1.77 \\ -9.71 \\ \hline \end{array}$

DA not down -3.45      next to hollow stone see 5-26-39 under K-5-3

DB  
 $\begin{array}{r} -7.94 \\ -11.39 \\ \hline \end{array}$

DC not down -3.57 hollow of wall } checks between these levels.  
 $\begin{array}{r} 7.94 \\ 11.51 \\ \hline \end{array}$

DC' not down -3.685 Top of lowest standing stone      DC'' not down -3.865 hollow of wall  
 $\begin{array}{r} -7.94 \\ 11.625 \\ \hline \end{array}$        $\begin{array}{r} 7.94 \\ -11.725 \\ \hline \end{array}$

DD not down -3.555  
 $\begin{array}{r} 7.94 \\ -11.495 \\ \hline \end{array}$  (see note below)

DE not down -3.475 point on bottom of wall below AG,

F not down -3.815  
 $\begin{array}{r} 7.94 \\ -11.755 \\ \hline \end{array}$

Level of plaster at DF read -3.415

DD does not check with later leveling. See 6-8-89 and 6-22-89. Possibly this hi is wrong, and all points should be lowered 18. See also early difficulty with checks in this corner.

Checked, p 139, rechecked p 140  
 11.675 (recheck for DD)

DB 11.495 for DD was used in the left side elevation, K-5-29 + same series above. Probably should drop them all 18 to agree with check series.



6-1-59 K-5-3 Building Platform Steps. Work sheet.

Main Stairway.

Levels, Section 8

$$h T 22 = -2.125$$

$$\textcircled{4} h_i = \begin{array}{r} + .185 \\ -6.940 \end{array}$$

$$T.164 = 6.94$$

$$\begin{array}{r} .175 \\ -7.115 \end{array}$$

$$1 \begin{array}{r} -6.94 \\ - .50 \\ \hline -7.40 \end{array}$$

$$2 \begin{array}{r} -6.94 \\ - .85 \\ \hline -7.79 \end{array}$$

$$3 \begin{array}{r} -6.94 \\ -1.16 \\ \hline -8.10 \end{array}$$

$$4 \begin{array}{r} -6.94 \\ -1.54 \\ \hline -8.48 \end{array}$$

$$5 \begin{array}{r} -6.94 \\ -1.84 \\ \hline -8.78 \end{array}$$

$$6 \begin{array}{r} -6.94 \\ -2.20 \\ \hline -9.04 \end{array}$$

$$7 \begin{array}{r} -6.94 \\ -2.53 \\ \hline -9.47 \end{array}$$

$$8 \begin{array}{r} -6.94 \\ -2.87 \\ \hline -9.81 \end{array}$$

$$9 \begin{array}{r} -6.94 \\ -3.185 \\ \hline -10.125 \end{array}$$

$$10 \begin{array}{r} -6.94 \\ -3.48 \\ \hline -10.42 \end{array}$$

$$11 \begin{array}{r} -3.75 \\ -6.94 \\ \hline -10.69 \end{array}$$

$$\textcircled{5} h_{11} = \begin{array}{r} -10.69 \\ + .38 \\ \hline -10.31 \end{array}$$

$$12 \begin{array}{r} -10.31 \\ - .70 \\ \hline -11.01 \end{array}$$

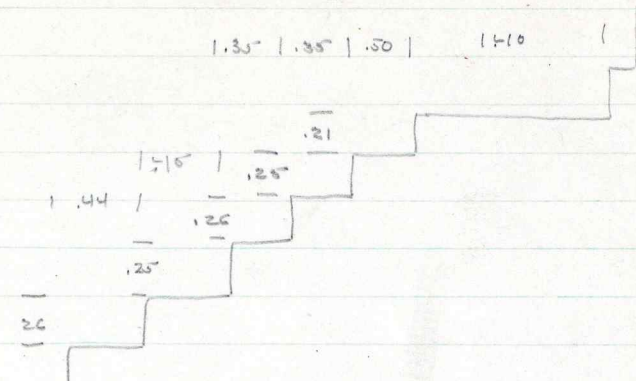
$$13 \begin{array}{r} -10.31 \\ - .995 \\ \hline -11.305 \end{array}$$

$$\text{floor} \begin{array}{r} -10.31 \\ - .96 \\ \hline -11.27 \end{array}$$

6-1-39

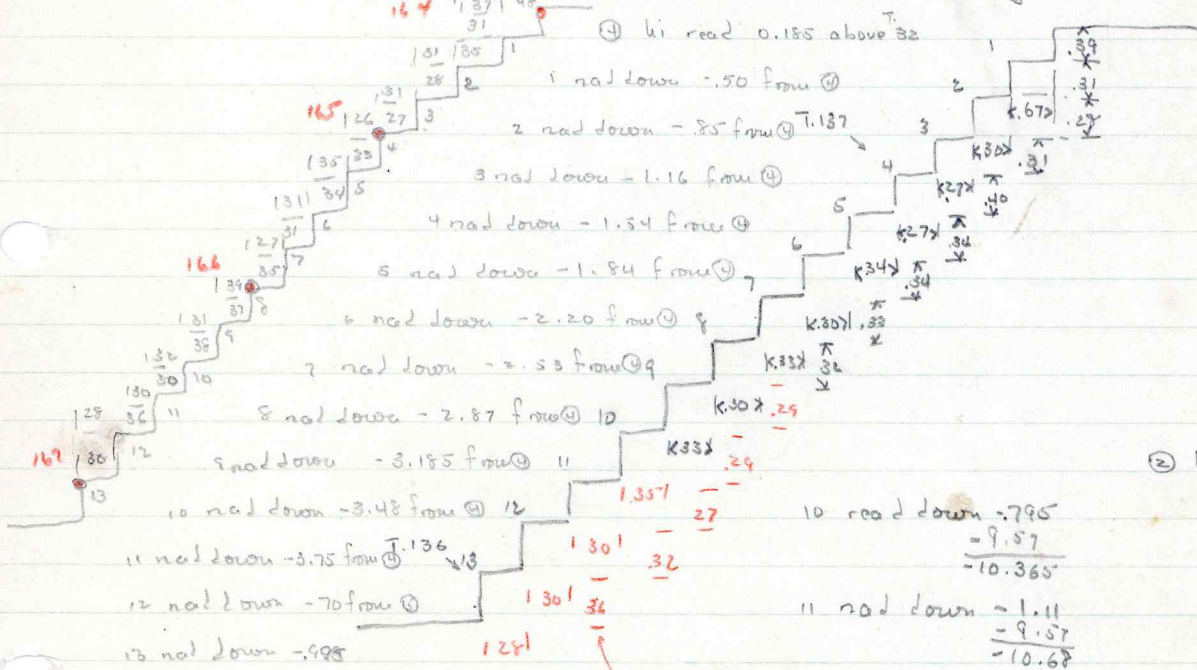
k-5-3

Building platform steps, straight measurements.  
line with left side of left pier.



T. 138 = -7.185  
 ① hi read .57 above T 138  
 = -6.565

Main stairway, steps, measurements, levels



1. rad down = .86  
 = -6.565  
 = -7.525  
 2 rad down = 1.245  
 = -6.565  
 = -7.810  
 3 rad down = 1.53  
 = -6.565  
 = -8.095  
 4 rad down = 1.84  
 = -6.565  
 = -8.405

② hi above ④ read .175  
 = -8.230  
 5 rad down = .51  
 = -7.23  
 = -8.74  
 6 rad down = .845  
 = -7.23  
 = -9.075  
 7 rad down = 1.215  
 = -7.23  
 = -9.445  
 8 rad down = 1.53  
 = -7.23  
 = -9.76  
 9 rad down = 1.845  
 = -7.23  
 = -10.075

Top after rad down = 1.255 from ①?  
 ① hi above B read .58  
 floor with plaster in front of 138 = 1.26 from ⑤  
 10 rad down = .795  
 = -9.57  
 = -10.365  
 11 rad down = 1.11  
 = -9.57  
 = -10.68  
 12 rad down = 1.595  
 = -9.57  
 = -10.965  
 13 rad down = 1.73  
 = -9.57  
 = 11.80

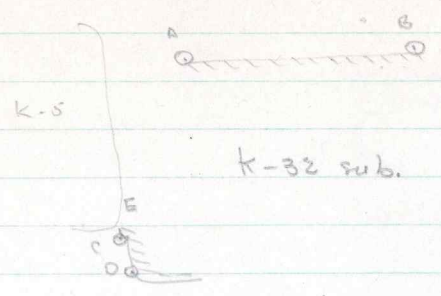
bottom stone, plaster goes down .27

.175  
 .485 = approx so (step 1)

③ hi above ⑨ read .1505  
 = -9.570

6-3-39.

Wall in chiefs trench k-5 left rear



A-B9-B7 = 166° 45' (top)

B-B9-B7 = 158° 18' (top)

C-B9-B7 = 8° 11'

D-B9-B7

B-B11-B10 = 29° 02' / 21° 41'

C-B4-B5 = 17° 48'

D-B4-B5 = 17° 48'

A-B10-B11 = 125° 25'

B-B10-B11 = 140° 30'

C-B6-B5 = 129° 32'

D-B6-B5 = 135° 49'

Out 46 down 84 batter at C, in elevation this outset is apparently vertical, bulging slightly in the middle. Outset is .18 deep.

Apron is .83 above base of wall at D, .06 deep.

See First outset (from center of platform, not exposed) is .18" deep (top two stones only showing)

Point on corner of outset: .43 from 102., 2.95 (+) from C.

hi above T.71 read 1.02

$$T.71 = \frac{-11.865}{1.02} = -10.845$$

C read down -2.795 (not bottom stone)

$$\begin{array}{r} -10.845 \\ -13.640 \end{array}$$

D read down -3.56 (bottom of wall)

$$\begin{array}{r} 10.845 \\ -14.405 \end{array}$$

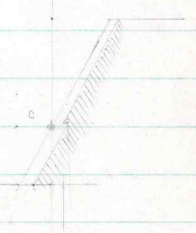
C6 read down -3.898 (top of top bottom step, see Ball-court orientation page) C6 is on bottom step

$$\begin{array}{r} -10.845 \\ -14.740 \end{array}$$

E read down -1.37 (top of wall at first outset (see above))

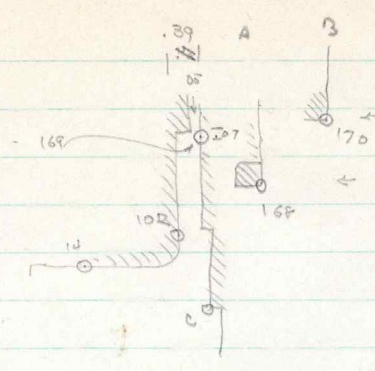
$$\begin{array}{r} -10.845 \\ -12.215 \end{array}$$

This batter is true in the front portion of k-32 sub. No batter can be read on wall A-B, it stands out one stone high for the most part.



6/8/39 K-5-3

See L.S. for detailed notes and a meas.



A. Wall runs back 2.55 from T 168, approximately 2.90 behind outset at 169  
 B. Wall runs back 1.85 from T 170, approx 2.00 behind outset at 169  
 walls run more or less parallel, one course only, probably rising toward center, falling stones above, no doubt of their being walls.

- 169 - 102 = 2.99 (+)
- 168 - 102 = 2.11 (+)
- 169 - 168 = 1.17 (+)
- 168 - 170 = 1.47 (+)

⊙ hi above E (see K-5-3 6/3/39) mod. 3.50

$$E = \begin{array}{r} -12.215 \\ 3.50 \\ \hline 8.715 \end{array}$$

169 mod down -3.43 (lowest stone of outset)

$$\begin{array}{r} -3.43 \\ -8.715 \\ \hline -12.145 \end{array}$$

170 mod down -3.365 (bottom of only stone)

$$\begin{array}{r} -3.365 \\ -8.715 \\ \hline -12.080 \end{array}$$

168 mod down -3.355 (bottom of only stone)

$$\begin{array}{r} -3.355 \\ -8.715 \\ \hline -12.070 \end{array}$$

102 mod down -2.97 (bottom of rear outset)

$$\begin{array}{r} -2.97 \\ -8.715 \\ \hline -11.685 \end{array}$$

see b140; redactions  
 @ 11.675

} does not check with 6-2-39.

Recheck heights on k-5-1, 2, 3 left side. 6-22-39

hi above T.71 read 3.68

h T 71 :  $\begin{array}{r} +11.865 \\ +3.63 \\ \hline - 4.285 \end{array}$

~~17~~<sup>E</sup> read down - 3.94 see 6-3-39, top of k-32 tub.  
 $\begin{array}{r} - 3.235 \\ \hline -12.175 \end{array}$

168 read down - 3.88  
 $\begin{array}{r} - 8.295 \\ \hline -12.085 \end{array}$  } see k-5-3 6-8-39

169 read down - 3.850  
 $\begin{array}{r} - 8.235 \\ \hline -12.090 \end{array}$

170 read down - 3.775  
 $\begin{array}{r} - 8.235 \\ \hline -12.010 \end{array}$

OD read down - 3.44 See k-5-3 6-2-39.  
 $\begin{array}{r} - 8.235 \\ \hline -11.675 \end{array}$  sub 139





Ball court - k-s orientation Transit points

B13	B13 - B4 - B5	44° 58'	B13 - B6 - B5	71° 02'	B7	52° 04'
B14						
B15	B15 - B21 - B16	49° 03'			B15 - B16 - B19	157° 21'
B16						
C1	C1 - B4 - B5	59° 50'	C1 - B6 - B5	57° 22'	C1 - B14 - B13	181.6
C2	C2 - B4 - B5	49° 15'	C2 - B6 - B5	72° 58'	C2 - B14 - B13	2° 06
C3	C3 - B14 = .69		B13 - B14	1° 07	C3 - B14 - B13	136° 01
C4	C4 - B14 =	6.11 (+)	B13 - B14	14° 32	C4 - B14 - B13	88° 21
C5	C5 - B4 - B5	32° 38'	C5 - B6 - B5	107° 29'	C5 - B13 - B6	77° 54
C6			C6 - B6 - B5	169° 20'		
C7	C7 - B7 =	1.89 (+)	C7 - B6 - B5	116° 02'	C7 - B13 - B6	14° 23
B18	B18 - B15 - B6	150° 26'				
JB1	JB1 - B14 - B13	167° 04	JB1 - B21 - B16	85° 44	JB1 - B16 - B19	139° 02
JB2	JB2 - B14 - B13	162° 01	JB2 - B21 - B16	115° 35	JB2 - B16 - B19	149° 14
JB3	JB3 - B14 - B13	156° 48	JB3 - B21 - B16	130° 59	JB3 - B16 - B19	154° 01
J1	J1 - B14 - B13	150° 40'	J1 - B21 - B16	162° 44' ?	J1 - B16 - B19	169° 24
J2	J2 - B14 - B13	187° 44	J2 - B21 - B16	154° 38	J2 - B16 - B19	15.66 (+)
J3	J3 - B14 - B13	139° 17	J3 - B21 - B16	152° 12	J3 - B16 - B19	162° 36
J4	J4 - B14 - B13	144° 30	J4 - B21 - B16	155° 04' ?	J4 - B16 - B19	164° 39
J5	J5 - B14 - B13	162° 36	J5 - B21 - B16	158° 20	J5 - B16 - B19	167° 58
J6	J6 - B14 - B13	162° 02	J6 - B21 - B16	136° 24	J6 - B16 - B19	158° 18'
J7	J7 - B14 - B13	143° 39	J7 - B21 - B16	135° 08	J7 - B16 - B19	152° 53'
J8	J8 - B14 - B13	148° 20' 172° 31' (b)	J8 - B21 - B16	139° 31	J8 - B16 - B19	156° 20'
J9	J9 - B14 - B13	173° 36' (10)	J9 - B21 - B16	104° 51	J9 - B16 - B19	155° 01
J10	J10 - B14 - B13		J10 - B21 - B16	96° 38	J10 - B16 - B19	154° 19
J11	J11 - JB1 =	3.51 (+)	J11 - B21 - B16	97° 24	J11 - B16 - B19	146° 19
J12	J12 - B14 - B13	173° 56' (b)	J12 - B21 - B16	88° 30	J12 - B16 - B19	152° 33
J13	J13 - JB1 =	1.67 (+)	J13 - B21 - B16	82° 08	J13 - B16 - B19	140° 24' ?
J14	J14 - B14 - B13	176° 48' (b)	J14 - B21 - B16	86° 58	J14 - B16 - B19	157° 36
J15	J15 - B14 - B13	177° 56' (10)	J15 - B21 - B16	55° 21	J15 - B16 - B19	151° 21
J16	J16 - B14 - B13	179° 16' (10)	J16 - B21 - B16	43° 38	J16 - B16 - B19	158° 51
J17	J17 - B14 - B13	176° 34' (10)	J17 - B21 - B16	156° 45	J17 - B16 - B19	174° 32
J18	J18 - J16	10.21 (+)	J18 - B21 - B16	21° 09	J18 - B16 - B19	123° 03
J19	J19 - B19 - B16	46° 40	J19 - B21 - B16	84° 10'	J19 - B16 - B19	108° 40
J20	J20 - B19 - B16	19° 09	J20 - B21 - B16	23° 59'	J20 - B16 - B19	89° 16'
J21	J21 - B20 - B19	30° 48	J21 - B21 - B16	81° 50	J21 - B16 - B19	106° 15'
J22	J22 - B19 - B16	43° 50	J22 - J23 =	2.66 (+)	J22 - B16 - B19	43° 43
J23	J23 - B19 - B16	418° 47			J23 - B16 - B19	49° 24
J24	J24 - B19 - B16	158° 31	J24 - B18 - B17	44° 28	J24 - B19 =	3.07 (+)
J25	J25 - B19 - B16	72° 14			J25 - B16 - B19	83° 21
J26	J26 - B19 - B16	87° 17'	J26 - B19 - B16	112° 49	J26 - B20 - B19	53° 00

J-1 =  
6.09 (+)  
B13 - B14  
16° 04  
11.26 (+) - 1

B18 - B19  
29° 52

10.00	11.00	12.00	13.00	14.00	15.00	16.00	17.00	18.00	19.00	20.00	21.00	22.00	23.00	24.00	25.00	26.00	27.00	28.00	29.00	30.00

23.50  
 23.75  
 13.95

26				
27	27 - B18 - B17	120° 20	B20 - B19	53° 58
28	28 - B18 - B17	144° 15	B20 - B19	54° 46
29	29 - B18 - B17	173° 11	B20 - B19	59° 58
30	30 - B18 - B17	141° 21	B20 - B19	39° 33
31	31 - B18 - B17	11° 55'	B20 - B19	16° 01'
B20	B20 - B18 - B17	127° 06		
B18			B18 - B20 - B19	30° 28
B21	B21 - B14 - B15	7.08		

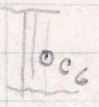
Ball-Court - k-s orientation

B4  
○

B5  
○

B6  
○

B7  
○



○ c7

○ c5

B18  
○

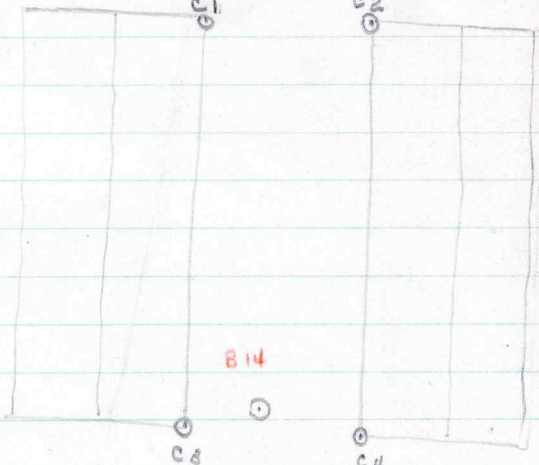
c1

c2

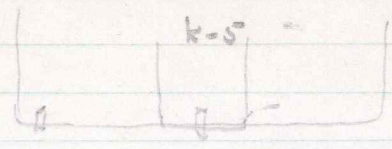
B14  
○

c3

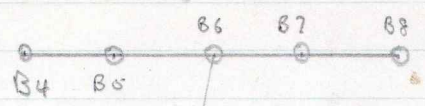
c4



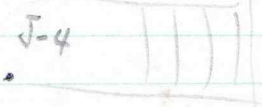
k-s-N-1 orientation



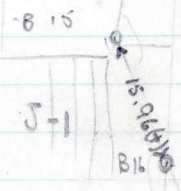
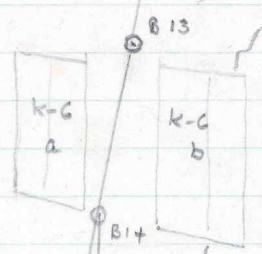
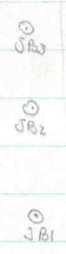
$B_{14} - B_{21} = 19.19 (+) + 24.38 (+)$   
 $B_{14} - B_{15} = 23.04 (+) + 26.24 (+)$



$B_6 - B_{13} = 19.83 (+)$   
 $B_{13} - B_{14} = 23.88 (+)$   
 $B_{21} - B_{15} = 8.05 (+)$   
 $B_{21} - B_{16} = 20.05 (+)$   
 $J_{B1} - J_{B2} = 2.18 (+)$   
 $J_{B3} - J_{B1} = 15.90 (+)$   
 $J_{B2} - J_{B3} = 6.70 (+)$   
 $B_{19} - B_{16} = 27.46 (+)$   
 $B_{17} - B_{18} = 11.49 (+)$   
 $B_{16} - B_{17} = 29.01 (+)$   
 $B_{18} - B_{20} = 30.45 (+) ?$

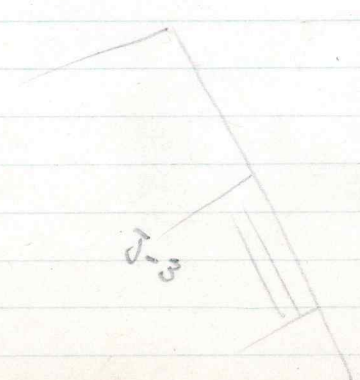
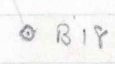


$J_3 - J_2 = .99 (+)$   
 $J_4 - J_2 = 2.30 (+)$



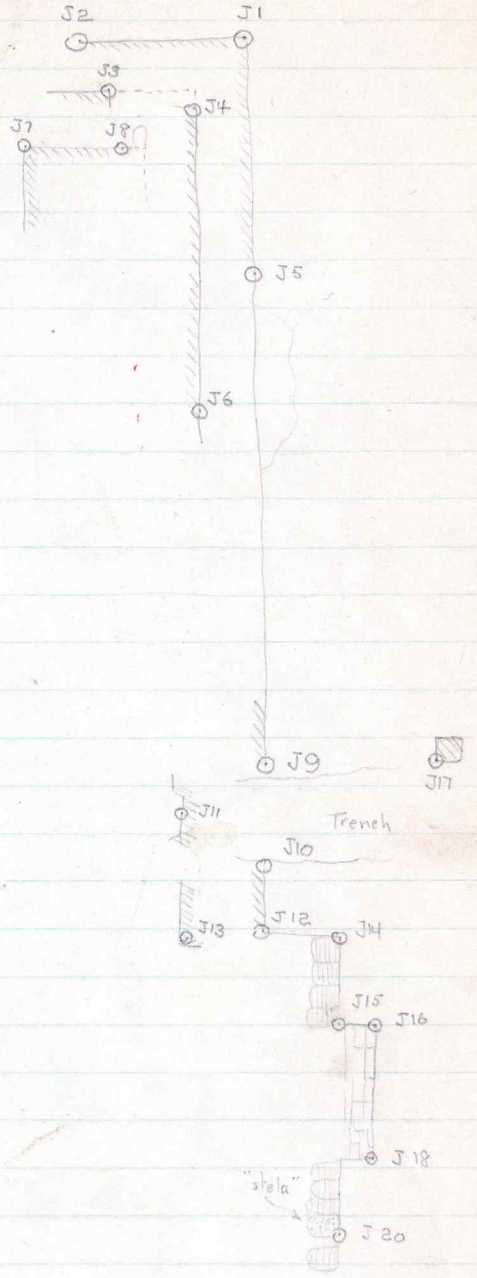
$B_{17} - B_{19} - B_{16} = 86^{\circ} 35'$   
 $B_{18} - B_{19} - B_{16} = 122^{\circ} 49'$

$J_{27} - J_{30} = 22.60 (+)$   
 $J_{28} - J_{30} = 15.61 (+)$   
 $J_{29} - J_{30} = 8.20 (+)$   
 $J_{30} - J_{31} = 7.62 (+)$   
 $J_{30} - B_{18} = 12.14 (+)$   
 $J_{28} - B_{18} = 13.56 (+)$

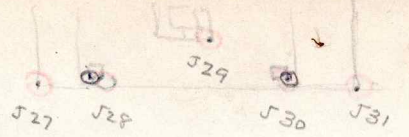


STR. J1-J4 points

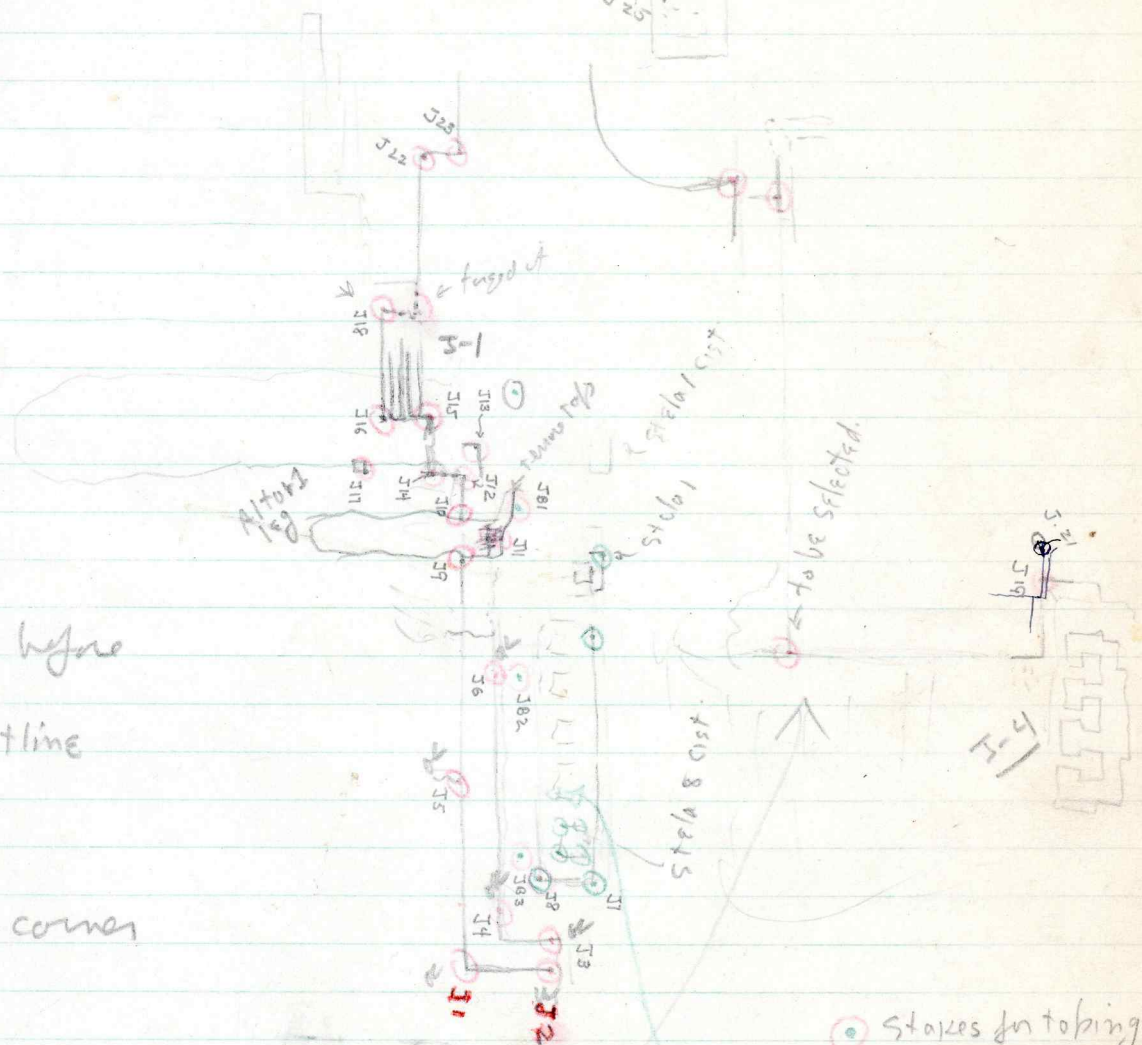
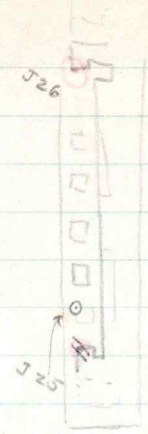
J-4, bldg. plat. terrace.



# West Plaza Surveying Sub.



Alt 2 leg  
J24



Digging necessary before  
completing this:

J-1 mag, stuy outline

clean up cists

get around J-7 corner

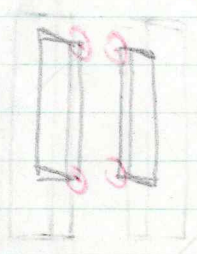
### Check-up for Wsg.

get 4 w/s of main water terrace wall  
clean J-2 - J-7 lower corner

Dike out all sides of mag stuy.

Rule no one on mag Pond.

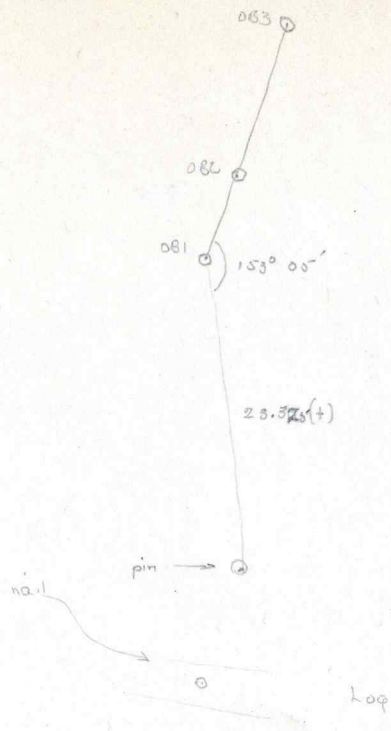
Select points



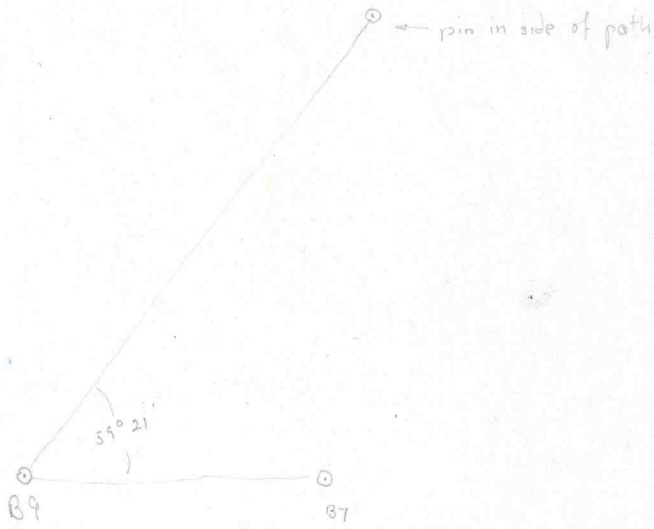
Stakes for taking  
cists

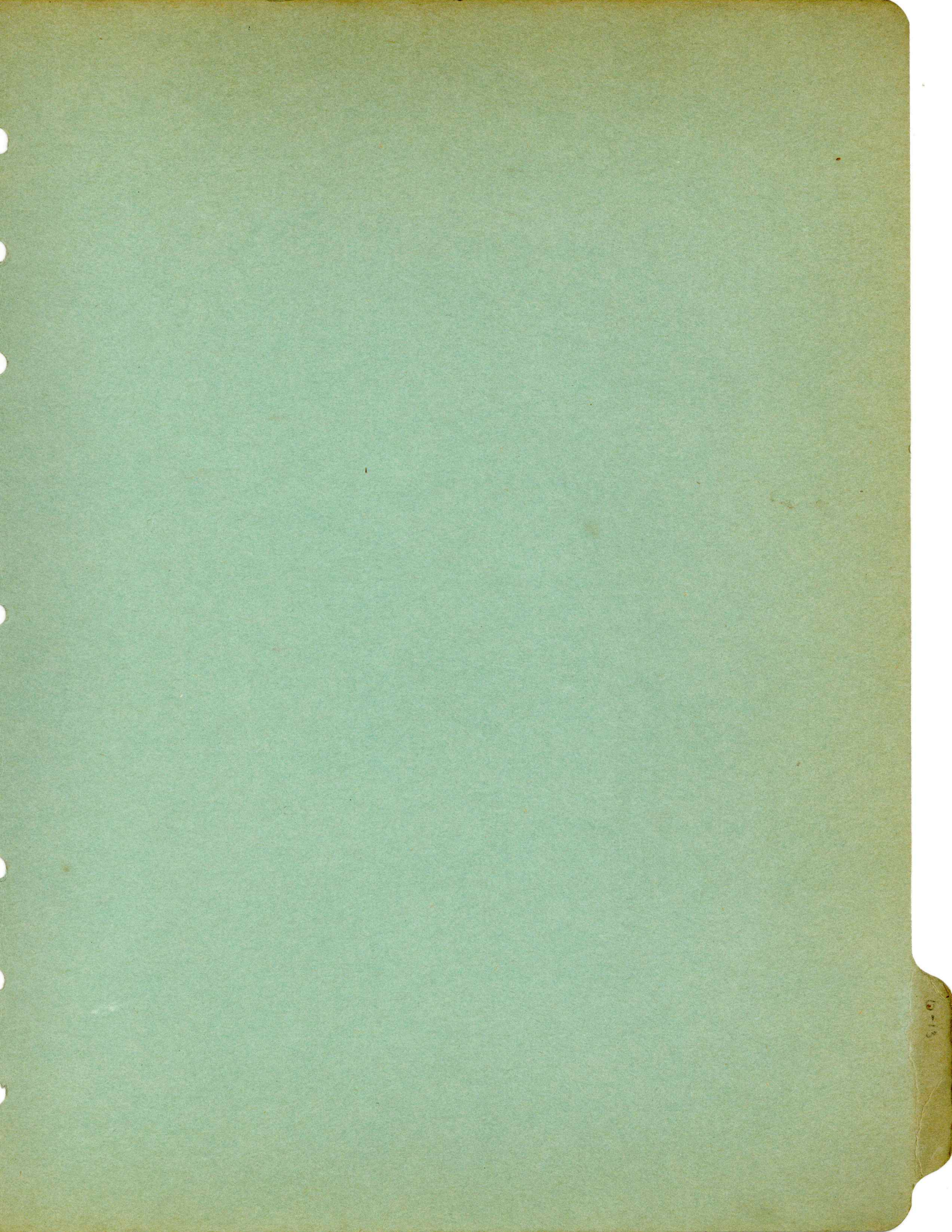
swing from walls of all cists  
from stakes - place side  
walls from front as a base  
line (measurements +  
diagonals).

Sketch for each should  
show present positioning  
but where present, and  
notes on whether probably  
moved or not.



Never completed.

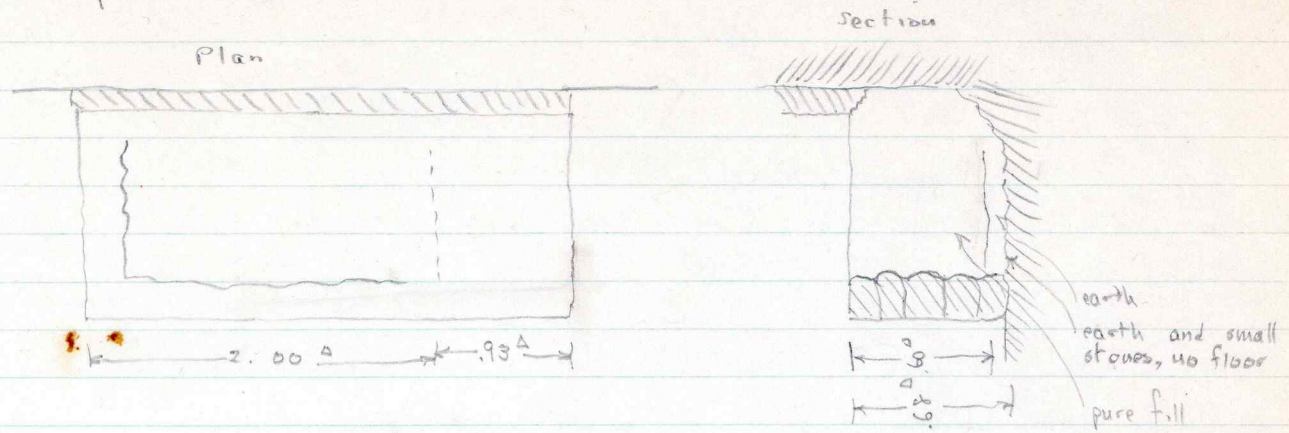




618

Thrones.

J-11 right rear throne.



some fragments of facing plaster, upside down, found in the earth. Shards from surface plaster in one bag ( ). from fill and earth below in another. ( )  
 Part of column altar (?) found in fill.