

King's Hill references

From Missouri (Amer. Guide Series) Page 291
(In St. Joseph Museum Library)

King Hill, South St. Joseph, between Cherokee, First, and Lookout Streets, and Indiana Ave.; rising approximately 300 ft. above the river, is the highest point in the city and one of the highest in the range of the Blacksnake Hills. In 1846 Father De Smet wrote that King Hill was the scene of the last battle of the Blacksnake Indians. "It is covered with human bones, and a line of mounds may be perceived in form of ramparts and fortifications. On that occasion the whole tribe of the Blacksnakes was destroyed."

Journal of Rudolph Frederick Kury

Page 33

- strife between the Indians and the Americans caused unrest among the Iowa; they had never existed in great numbers - were never a large tribe. Therefore, when they saw the white men pressing

They knew the Americans too well to risk a losing fight. Besides, being allied with the French not the English, they were always friendly in their dealings with the white race. That they were brave warriors the records of their history prove. Less than twelve years ago they fought the Missouri Indians at King's Hill, not far from St. Joseph, and won the battle. (Written in 1848)

By the treaty of 1814, the Iowa were granted a strip of land south of the Potawatomie. They lived in a village on Black Snake River ^(?) 3 miles from St. Joseph. Those possessions they were obliged to give up, however, and to withdraw to territory across the Mississippi ^(?). Then they came to conflict with the wandering tribes of Shawnee and Pawnee.

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Skelatal remains in north bank
of E-W alley at rear of 109 E Vassar
County Collector's office BR 92841
East view addition lots 13 to 15
Block 3 Ref. # E646
Lealon Jenkins & wife

From City directory:
Lealon R (Dannie K.) Jenkins
meat cutter F & S Meat Co.
R. 206 Oberlin

LEVEL #10

~~No. 10~~

1 small piece of
curved iron

FFF

116 INCHES IN DEPTH

TRADE ITEMS

- LEVEL # 1 No metal
- " # 2 1 pc thin iron / "square Trade?"
- " # 3 Tin can pieces, horse shoe nail,
iron washer + cast iron ? hardware.
1 pc rolled brass 2" x 1/8" (could
be trade)
- " # 4 traces of tin can. 1 piece of
square nail. One piece of iron
app. 1" sq. (could have been part of
a knife blade)
- # 5 1 - 1" diameter metal (iron) ring
1 - pc coiled spring
1 - 6" pc twisted wire (barbed wire?)
1 - 3" pc iron wire app 9 ga.
Several tin fragments (tin can?)
- # 6 1 pc square nail ?
- # 7 ~~No metal~~ 1 pc coiled spring
- # 8 1 Small pc of brass
- # 9 1 " " " "

GGG

72 INCHES IN DEPTH

TRADE ITEMS

BRASS

LEVEL 2

1 PEICE CURVED

~~LEVEL 6~~

4 PEICES 2 CURVED 2 FLAT

IRON

LEVEL 4

1 PEICE ^{BROKEN} CURVED TRADE?

LEVEL 6

1 PEICE SPRING TRADE?

LEVEL 7

1 PEICE FLAT

H H H

60 INCHES IN DEPTH

TRADE ITEMS

BRASS

LEVEL 3

1 PIECE FLAT

4

1 ^{small} PIECE CURVED ROLLED

5

2 PIECE 1 FLAT 1 CURVED

IRON

LEVEL 4

1 PIECE FLAT

S.W. Cor KKKKK

Battery

None

None

None

sterile

24"

SW corner of JJJ

Bone, pottery, charcoal - glass	18"
Charcoal, glass -	29"
sterile to	70"

SW corner of LLL

pottery	8 inches
flint - pottery - bone - charcoal - chalcedony	10 inches
charcoal	13
pottery	18
flint - hematite - charcoal - red pottery	42
charcoal	45
charcoal - bone	48
charcoal -	52
sterile to	72

SW corner of yyy4	Bone	12 inches
	burned limestone	18
	Charcoal - ash - flint	30
	charcoal	31
* hard packed level approx 6 inches here (possible house floor)	Bone - charcoal -	35
	pottery - bone - flint - charcoal	38
	Bone - charcoal - limonite - flint - pottery - hematite	42
	brick - pottery - bone - charcoal	45
	Bone - pottery - flint - shell - charcoal	48
	Bone - charcoal - ash - flint chip - burned limestone	50
	Charcoal - bone - shell - pottery	55
	bone - shell - charcoal -	58
	pottery - flint - bone	62
	bone -	66
	pottery - flint - charcoal - bone	70
	sterile	72

SW corner of yyyyy	flint	12" inches
	pottery - flint -	14 inches
	shell - flint - bone - pottery - flint	18
	shell - yellow ochre - bone	22
	flint - pottery - charcoal -	28
	bone - flint -	36
	flint -	43
	flint -	48
	charcoal - bone	52
	bone - pottery	60
	pottery - charcoal	66
	red fragment	70
	flint	71

SW corner of ^{small} lot 3333

flint - nut	13 inches
pottery - flint	20
charcoal	22
flint - charcoal	25
charcoal	30
charcoal - daub	32
shell - flint - bone	35
Burned bone - pottery - flint - bone - charcoal	38
Bone - arrow point fragment	41
nut - shell - pottery -	44
pottery (propane)	48
trail incised pottery	52
charcoal - pottery - bone	55
sterile	56
Pottery	62
pottery hematite - bone	68
Sterile	72

SW corner of 33333

charcoal - pottery - bone	36
charcoal - pottery	42
Bone - flint - shell - pottery	46
Bone - pottery - charcoal - ash	52
Bone - copper bead	60
charcoal - bone - pottery - flint - limonite	66
flint - pottery	68
glass	72

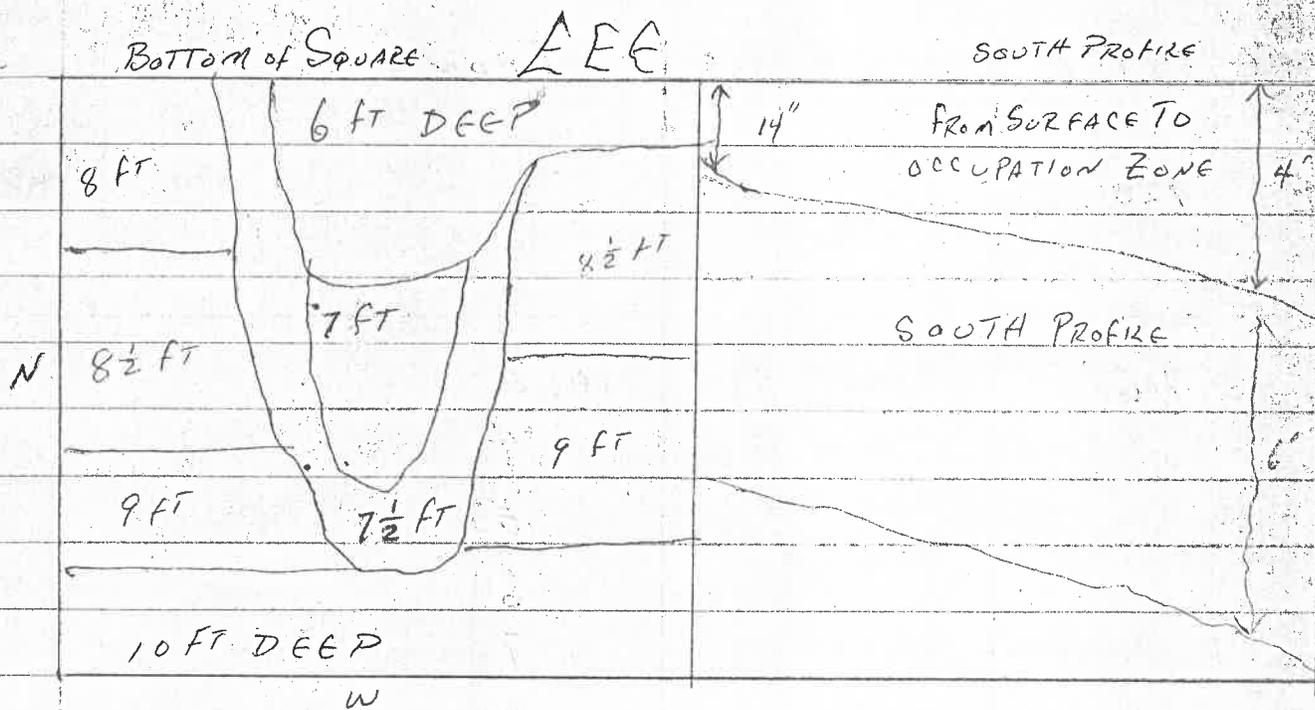
S.W. corner of BBB	burned bone	10 inches
	charcoal	14 inches
	pottery + charred nut	17 "
	pottery	22 "
	Bone fragment	24 "
	sterile	28 "
	sterile.	72 "

S.W. corner of BBB	sterile to	10 inches
	charcoal & pottery	12 inches
	shell fragment	14 "
	bone - shell - charcoal	19 "
	pottery - flint	36 "
	pottery - shell	38 "
1.	flint - pottery - bone	41 "
	porouse pottery	44
	charcoal - pottery - flint chip	56
	pottery - nut (acorn)	60
	sterile	72

Test holes

SW Cor of AAA Strife to 6'
SW Cor of AAAA / Sherd & glass at 2 1/2'
Soil darker → Bone fragment at 32"
Shell & bone " at 36"
Sandstone
Apparently Strife 48 to 72"

SW Core DDD
Glass at 12"
Charcoal & bone 38"
Pottery sherd & shell 37"
Bone 39"
Bone chips & charcoal 40"
Bone & shell, Sherd 44"
Red trashed → Pottery & charcoal 52"
Pottery 54"
Ash & bone 56"
Bone Flint & ash (heavy) 60"
Ash, bone, flint & charcoal 64"
Ash & bone 68"
Ash & pottery 70"
Charcoal & shell 72"



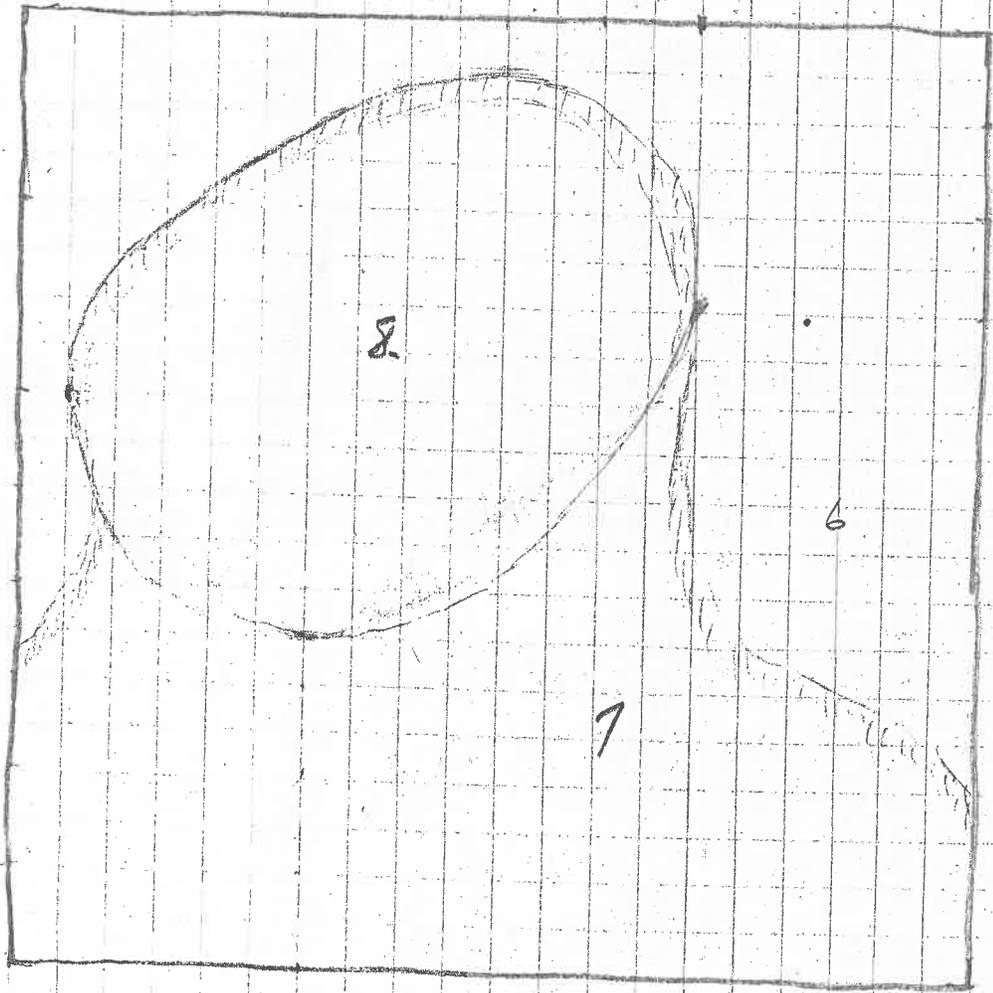
There were more than average amount of fine reddened limestone hearthstones in the southeast corner to center of south wall, (average about fist size) from the beginning of the occupation zone to the bottom. We saved only a few.

DEPTH OF TRADE METAL 6" LEVELS

SQUARE DEPTH	BRASS	IRON
ΣEE 120"		
FFF 116"	LEVEL 3	LEVEL 2
	" 8	" 4
	" 9	" 5
		" 6
		" 7
		" 10
GGG 72"	LEVEL 2	LEVEL 4
	6	6
		7
HHH 60"	LEVEL 3	LEVEL 4
	4	
	5	

4.

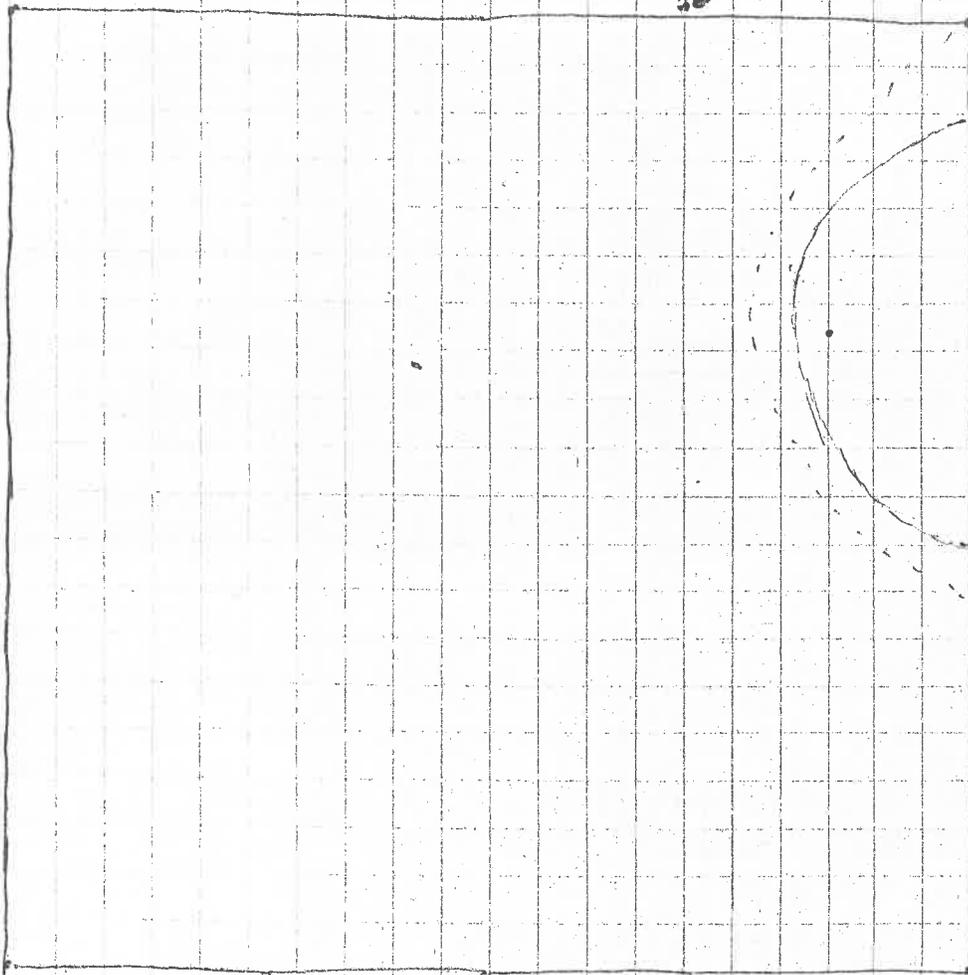
23 BNI
HHH



9-28-67

N

23 BN 1
F
NE COR PIT



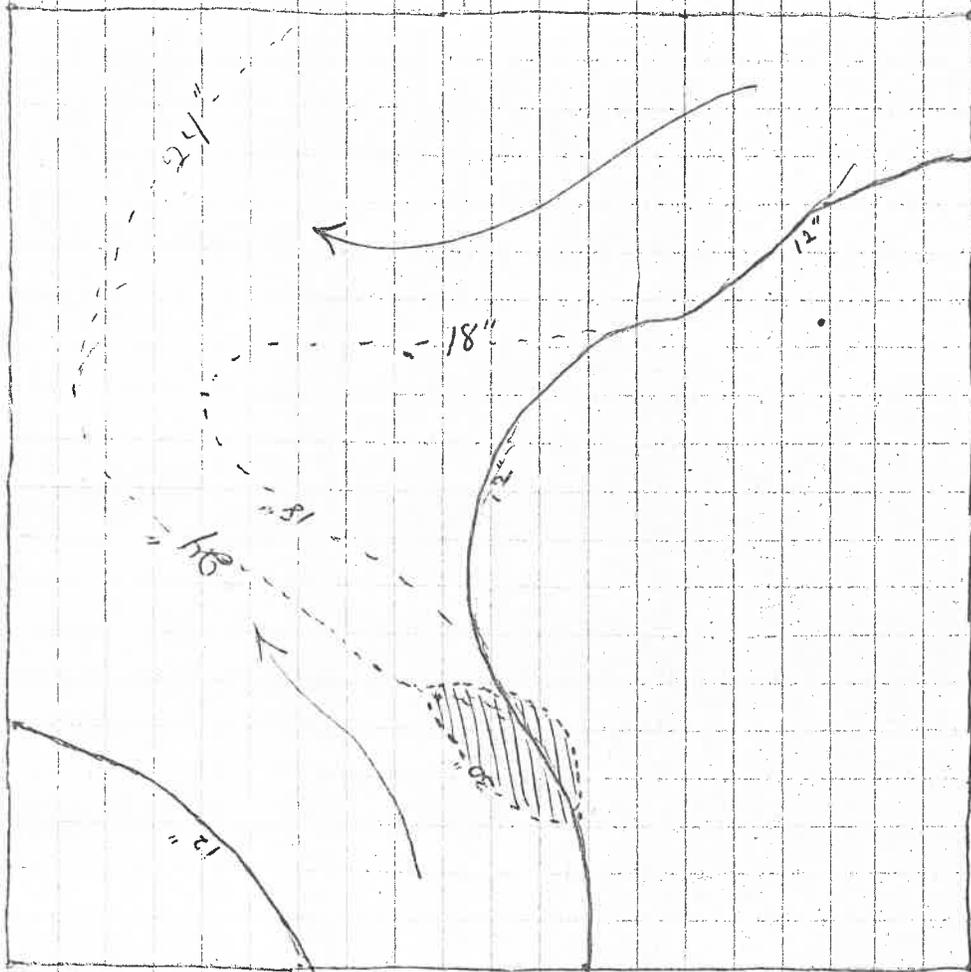
S

NOTED AS POSSIBLE PIT IN 3RD LEVEL
STARTED EXCAVATING IT AS A PIT IN 4TH LEV.
ADJACENT AREA STERILE FROM BOTTOM
OF 4TH LEVEL (EXCEPT FOR RODENT RUNS)
DEPTH - 48"

10-10-67

23BN1
D

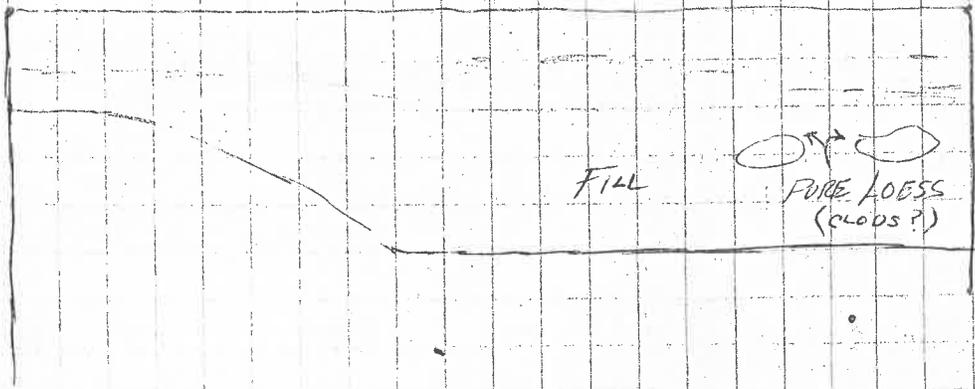
DITCH FILL
PLOT AT 12" DEPTH



||||| PIT OR DEPOSIT 70 34"

10-17-67

233 N1
D
WEST WALL



Second division in sidewalk
south of telephone post points
exactly to ~~SE~~ cor. of section E
(6' space west of walk)

CARBONIZED
 ADJUSTED FOR ESTIMATED 20% SHRINKAGE
 BY MULTIPLYING ACTUAL MEASUREMENT BY 1.25

KING'S HILL, ST. JOSEPH, MO. 23BN1 X
 KANSA ? CA. A.D. 1650-1700

FANNING, 14 DPI +
 KANSA CA. A.D. 1650-1700

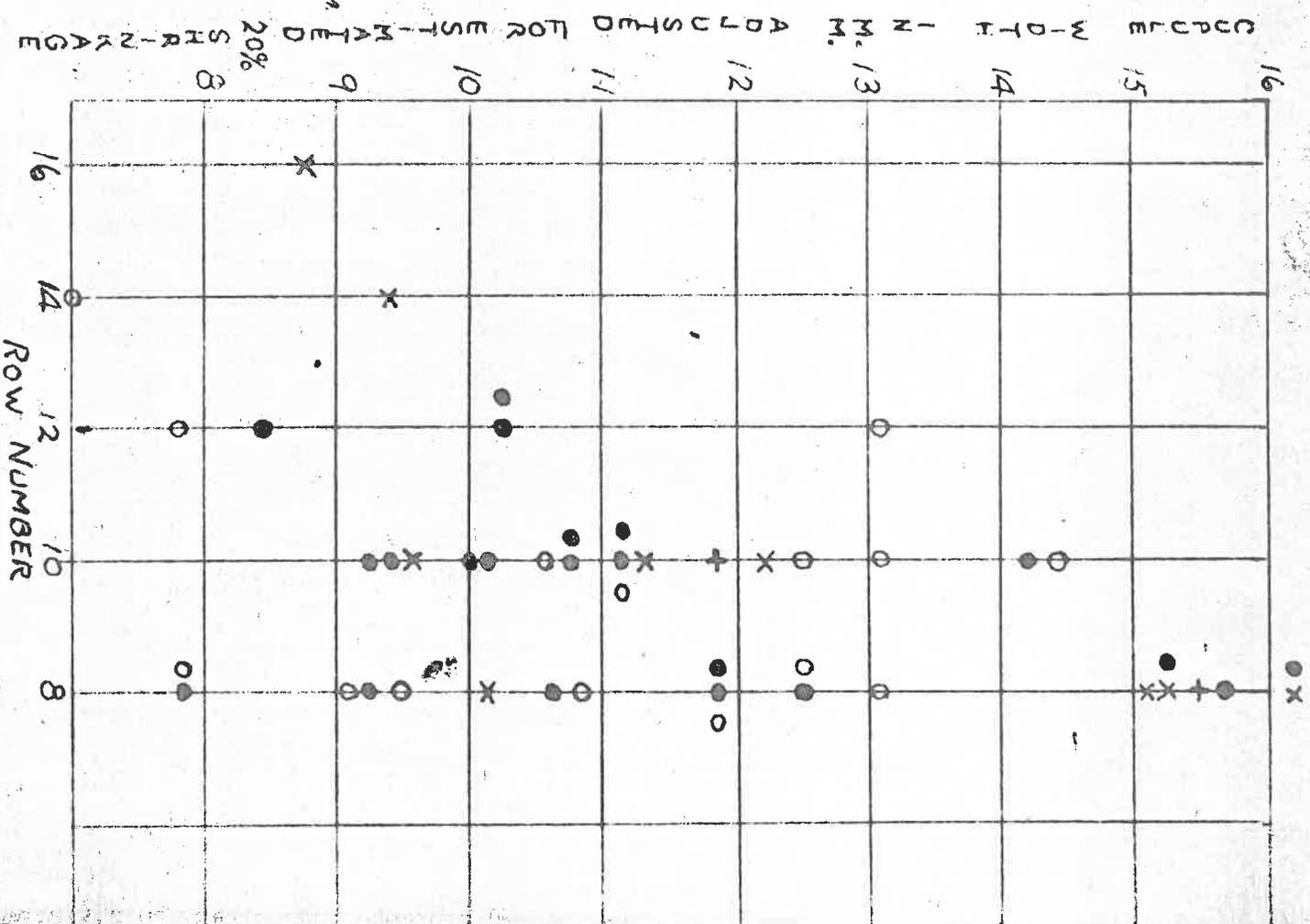
VTZ 235A2 ●
 MISSOURI CA. A.D. 1650-1730

BROWN 23 VE 3E O
 OSAGE CA. A.D. 1700-1800

23BN1, KING'S HILL						
R.N.	8	10	12	14	16	Total
No.	4	3	-	1	1	9
%	45	33	-	11	11	100%

MEAN R.N. 10.2
 MEDIUM C.W. 9.1 M.M.
 MEDIUM C.W. ADJUSTED FOR 20% SHRINKAGE 11.4MM

MEASURED BY LEONARD BLAKE
 MO. BOTANICAL GARDEN
 COMMENTS BY HUGH C. CUTLER ON SIZE,
 COLOR AND STRAINS.

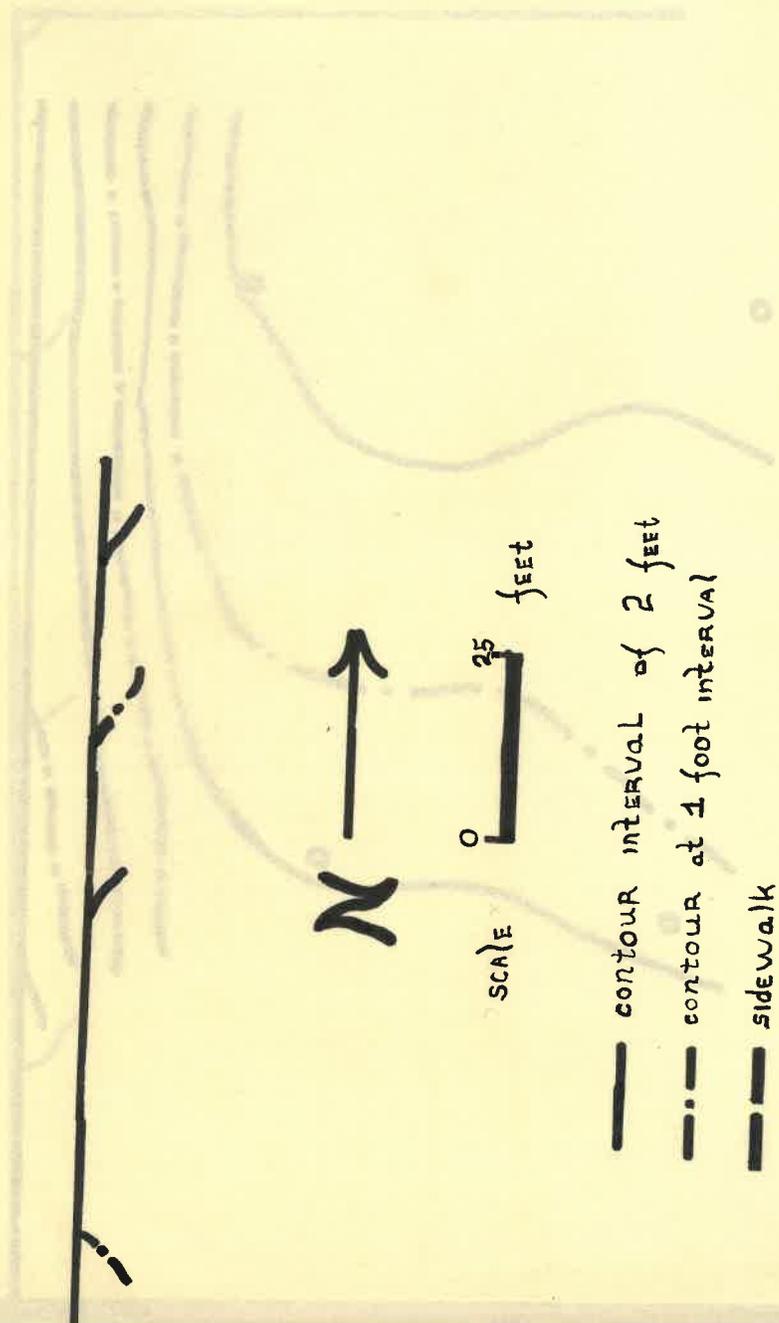


CORN FROM SOME MIDWESTERN SITES

TABLE ONE
 BY LEONAR BLAKE AND HUGH CUTLER
 MISSOURI BOTANICAL GARDEN
 FEB. 3, 1967

SITE	DATE OF CULTURE	MEAN ROW	MEDIAN CUPULE WIDTH	NUMBER OF COBS	ROW NUMBER OF TOTAL COBS					
					8	10	12	14	16	
11 RI 81 CRAWFORD FARM (E. HAROLD)	1800 HISTORIC SAUK	8.3	8.4mm	1301	86	12	2			
23 VE 4 JOHNSON (C. CHAPMAN)	1775-1820 LITTE OSAGE	9.0	9.0	246	61	32	6	1		
23 SA 2 UTZ (R. BRAY)	1650-1730 MISSOURI	9.4	8.6	22	46	41	13			
23 BN 1 KING'S HILL (M. SHIPPEE)	1650-1700 KANSA (?)	9.1	10.2	9	45	33		11	11	
23 VE 3 BROWN (C. CHAPMAN)	1700-1800 OSAGE	9.6	9.0	15	47	33	13	7		
25 DK 5 (J. CHAMPE)	1770-1800 OMAHA	9.0	10.1	16	47	47				6
25 ST 1 (J. CHAMPE)	1820-1825 OMAHA 1650-1700 ONEOTA	8.9	9.2	57	58	40	2			
MS 38 CAHOKIA - Monks Mound (C. BAREIS)	? MIDDLE MISSISSIPPI	8.9	7.9	40	65	28	7			
15 A. CAHOKIA WEST OF MONKS MOUND (W. WITTRY)	825-1375 LATE WOODLAND AND MIDDLE MISSISSIPPI	10.8	6.8	69	17	29	50			

First Street



N

SCALE 25 FEET

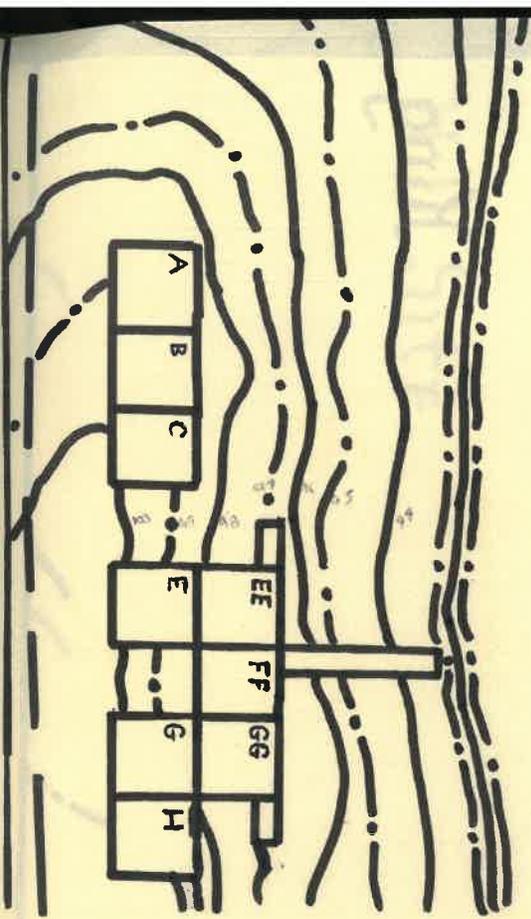
— contour interval of 2 feet

- - - contour at 1 foot interval

— sidewalk

○ designates approximate limits of southern portion of site

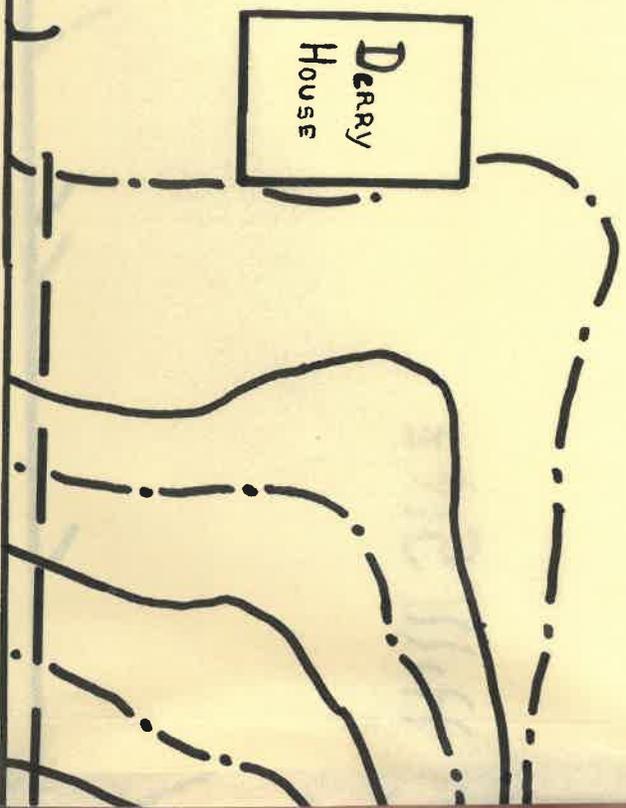
X

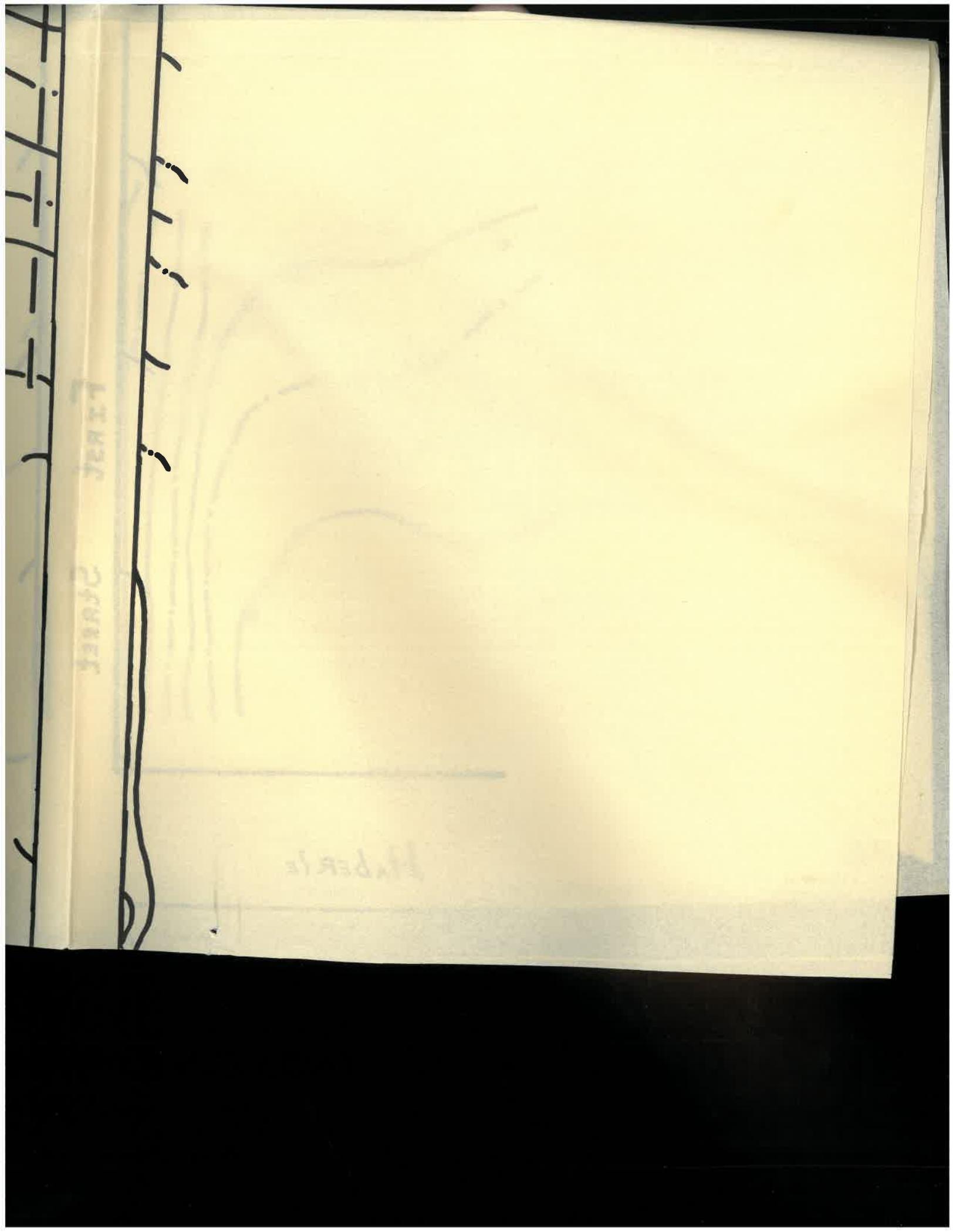


3000 ft

2000 ft

Derry
House

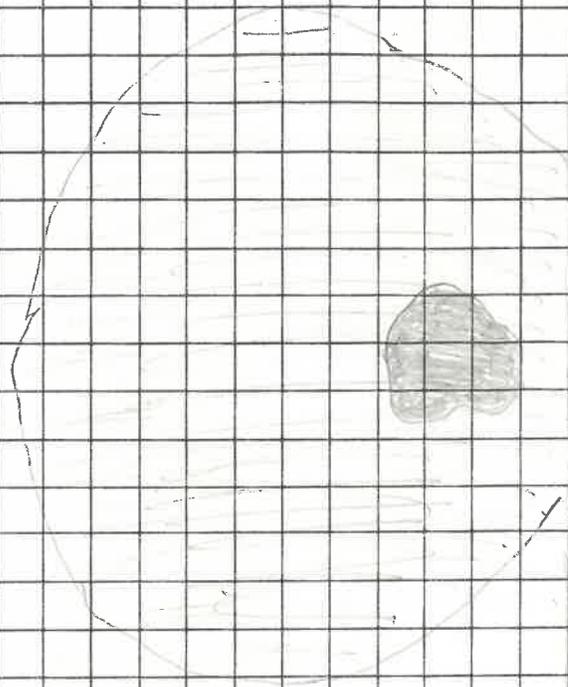




First

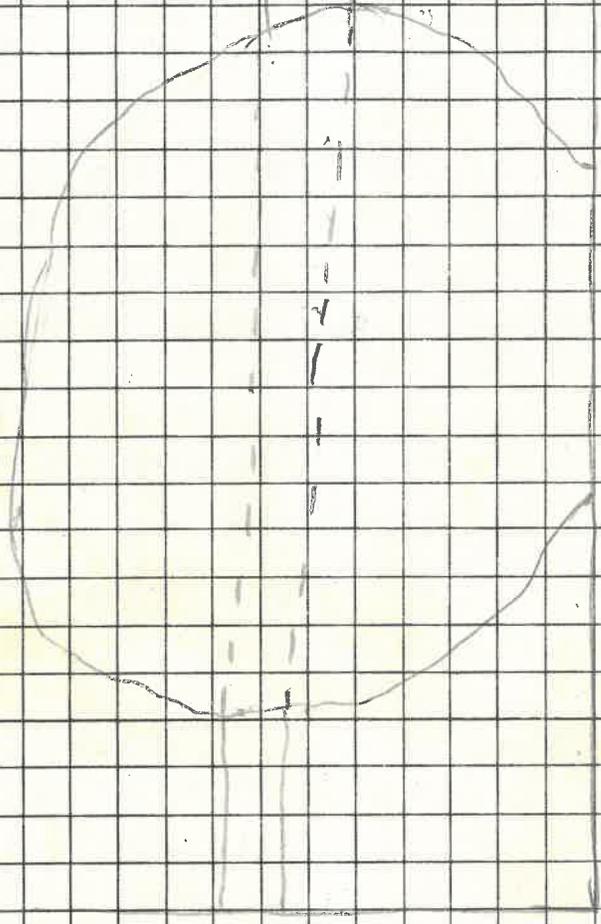
Sketch

Sketch



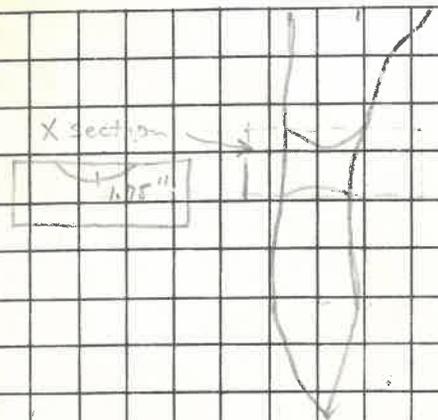
Shaded area was dug to a depth of 18" which was the bottom of the pit area. The unshaded portion was dug to a depth of 6" and was the bottom of the plow zone. No material was found outside the pit area. The unshaded area was a lighter clay-colored soil while the pit area was a darker organic color with molera and charcoal flecks scattered throughout - the eastern half. The black area was an area of clinker like material of which samples were taken. The depth of this material was a six inches in surface and was only about 2 inches deep.

Area outlined appears as a distinct color change
and contains a linker-like material along with
flocks of charcoal, pottery shreds, and shells.
An unusual amount of small like shells appear.
Most likely they are natural. Various other dark
patched areas appeared along with a trench-like
area running the length of the square.



←
N

↑
N



① Trench with very loose soil slightly dark in color

(Base of Plow Zone)

X = cross section with no indication of roots

② X section of first cross section showing different colored area of soil

↑
E

5.5SD

ARCHEOLOGICAL SURVEY OF MISSOURI RECORD SHEET A.

EXCAVATING FORM

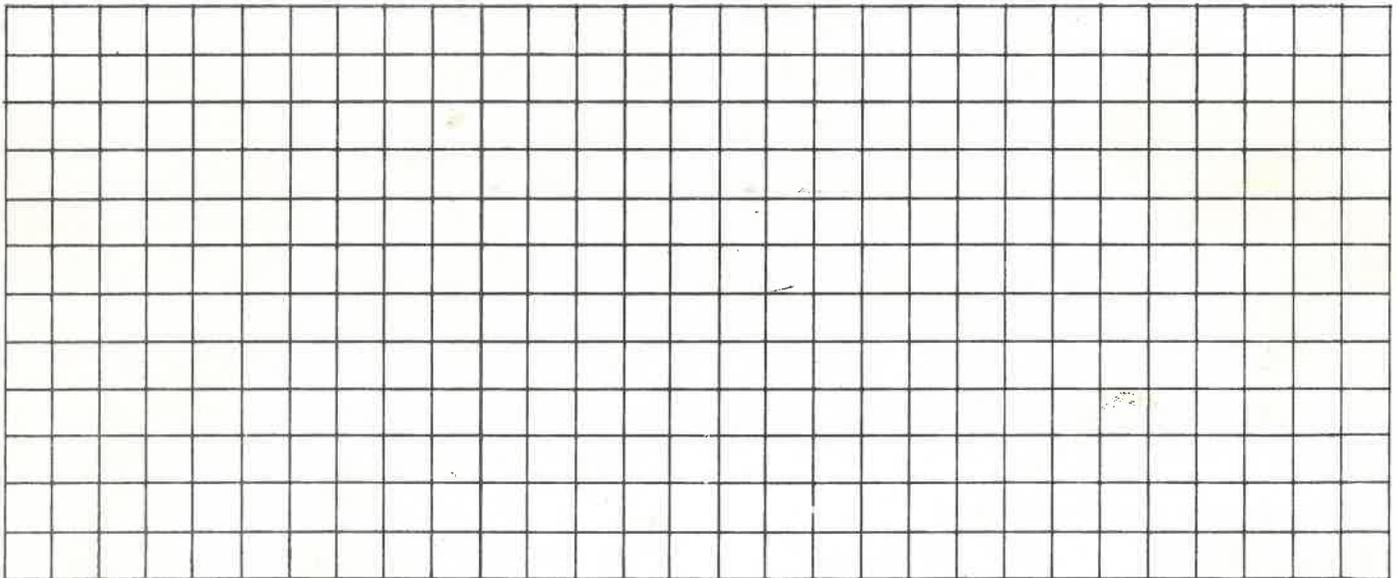
Date 6-29-66 THROUGH 7-2-66
Name K G MIDDLETON
Site 23BN-1
Photo

No. _____

Location (Hor.) 40 N 6' WEST OF SIDEWALK. - SQ E
(Ver.) _____

Definition: _____

Associations: _____



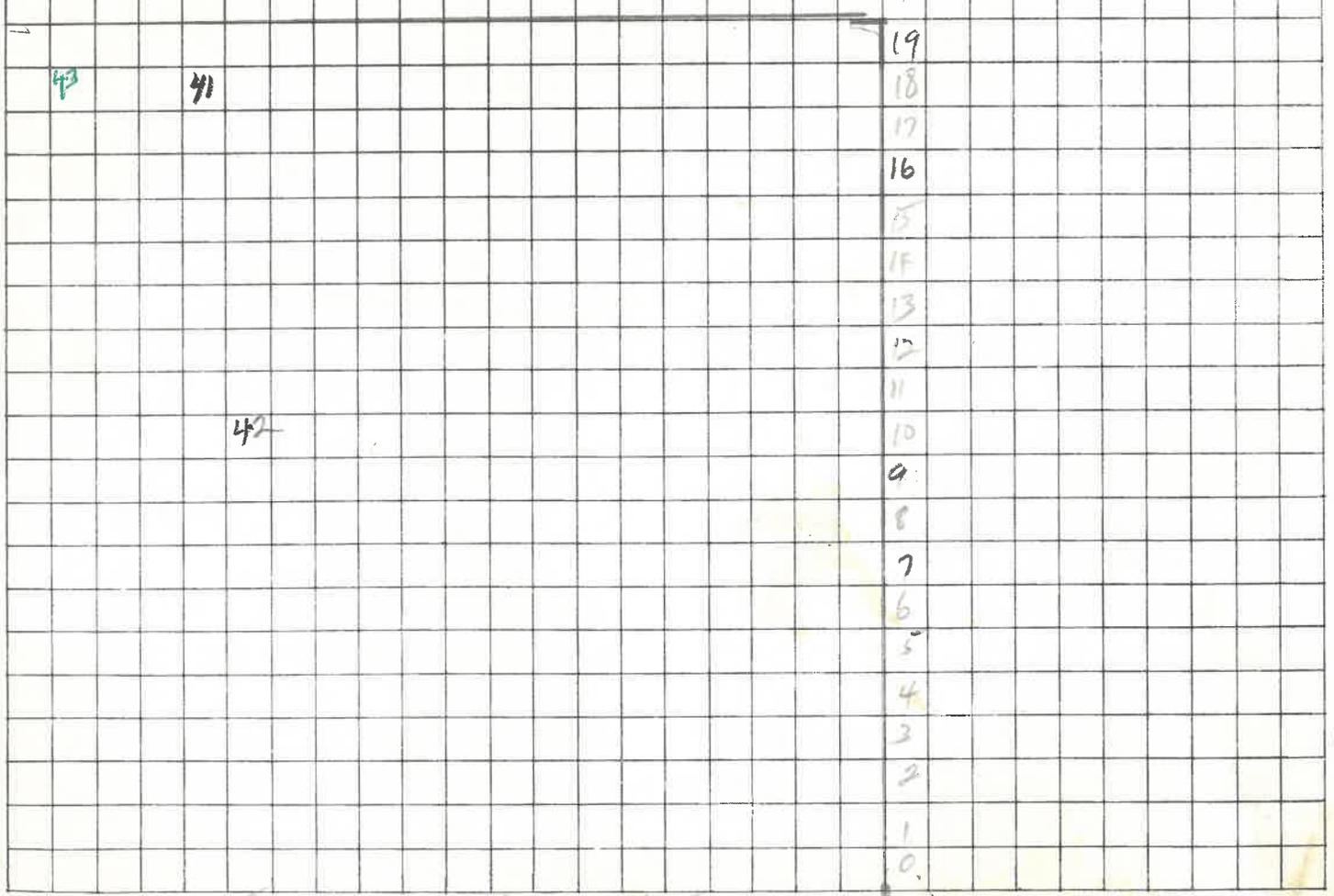
Remarks:

all total 43 items were put in sacks almost through level 3 to a depth of 18" from the surface. most materials were removed by a small hand hoe and dirt from levels 3 & 4 were sifted. most small triangle points were found in levels 3 & 4. 1/4" mesh screen was necessary in order TO FIND THEM IN THE SIFTED MATERIAL. (SEE OVER)

#41 ROUND SHERD - DRILLED HOLE 15" DEPTH
 #42 POINT 14" DEPTH
 #43 HEMATITE 15" DEPTH

IN LEVEL (4) I DISCONTINUED SACKING ITEMS DUE TO TIME LEFT AT THE SITE. AFTER LEVEL (3) ALL ITEMS WERE PUT IN LARGE BAGS IN RESPECT TO THE WHOLE SQUARE.

ALL ITEMS NUMBERED (1-43) WERE MEASURED FROM SURFACE LEVEL. SOME DEPTH ITEMS WERE ESTIMATED DUE TO THE FACT THAT WE WERE WORKING ON A 20 TO 25° SLOPE THAT SLANTED TO THE WEST.



20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

(A) THIS AREA IN SQUARE (E) SEEMED TO BE A SORT OF OBLONG TRASH HEAP WITH EVIDENCE OF ASHES CHARRED WOOD, CHIPPED STONE. (NO) CORN COBS WERE IN EVIDENCE IN THIS SQUARE. THIS PIT SEEMED TO BE THREE FEET IN DEPTH FIGURED FROM SURFACE LEVEL.

5 SQ FT. N.E. CORNER OF SQUARE (E)



19
18
17
16
15
14
13
12
11
10
9
8
7
6
5
4
3
2
1
0

20 19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1

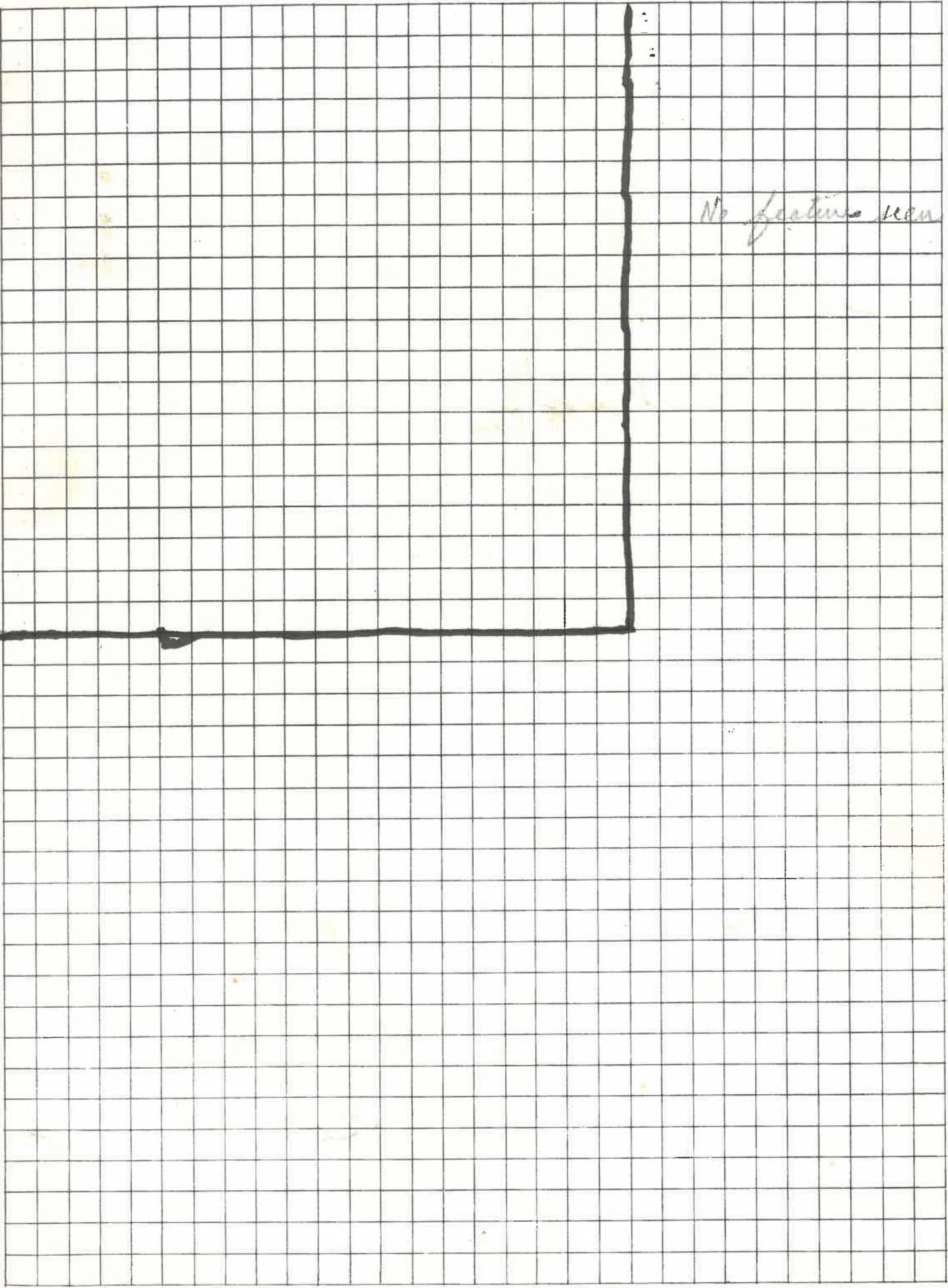
Very mottled
earth of
consistent
composition
throughout.

← 2.1

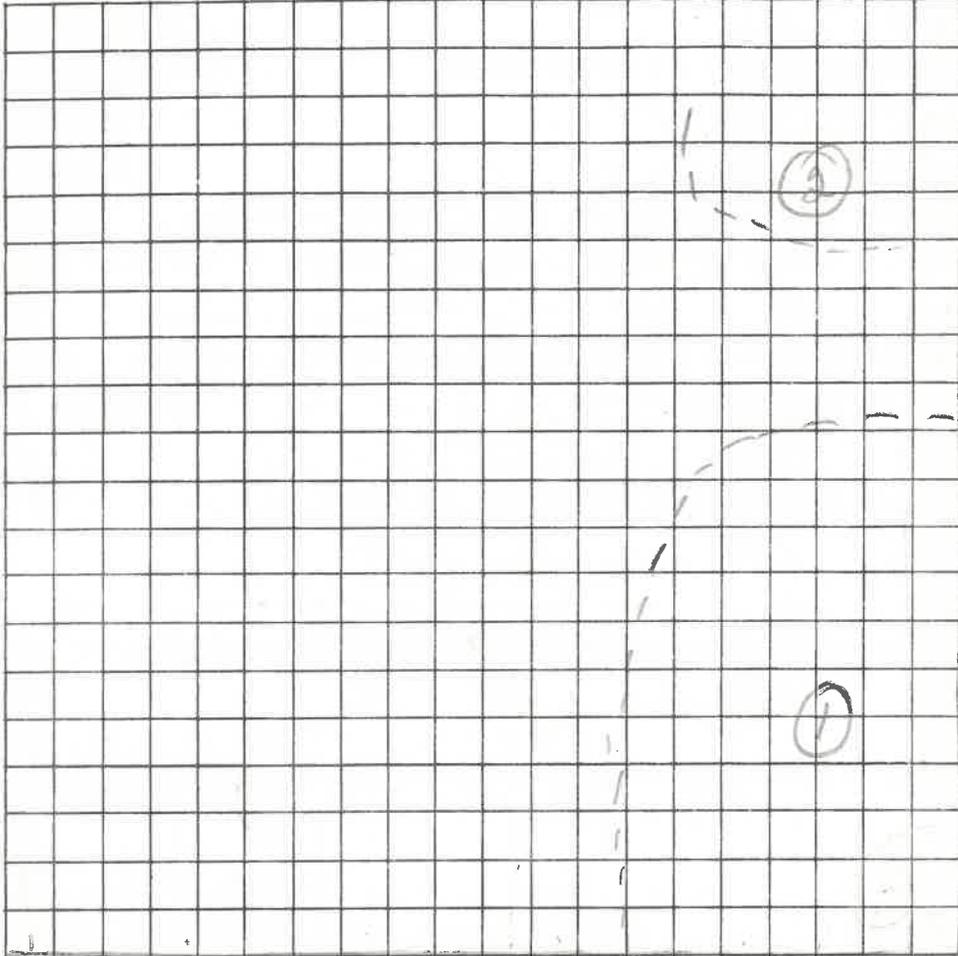
0.4

No features seen

5.1



↑
N

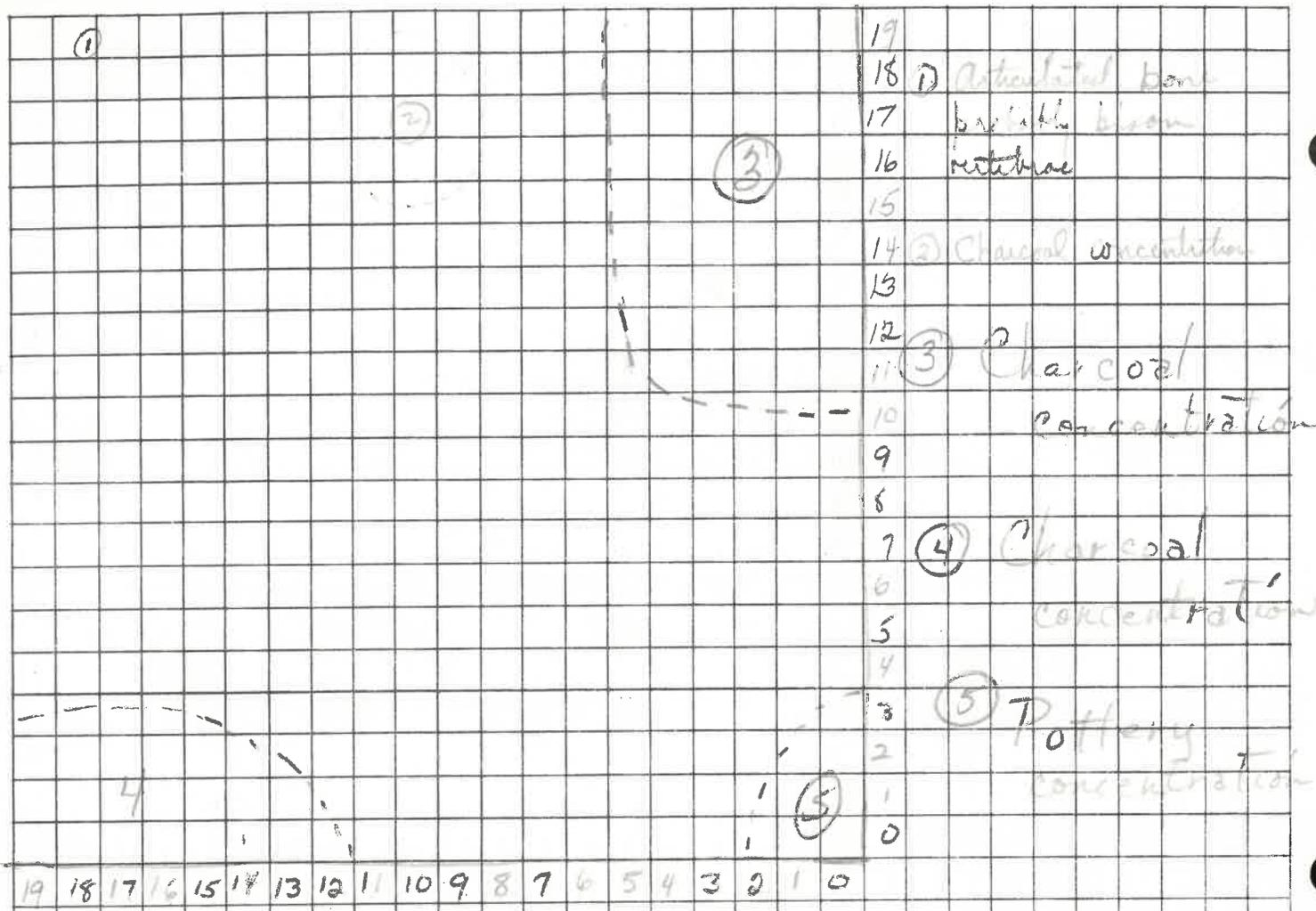


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2
1
0

① Very black, humus soil, probably the result of a recent trash pit.

② Should mark with filled in earth

19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0



General Comments.

Much pottery and bone through this level.
 Photograph of East Wall profile taken

N

19
18
17
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19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0

(X)

19
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(X) Large
rim
A herd at
depth of 30
inches - herd
has handle

9 8 7 6 5 4 3 2 1 0

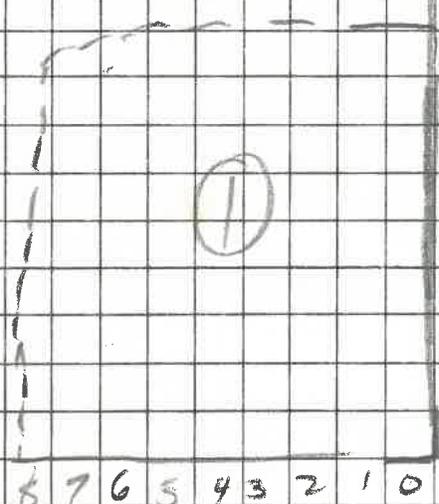
↑
N

②

① Area of sterile soil throughout six-inch layer

② Pottery concentration

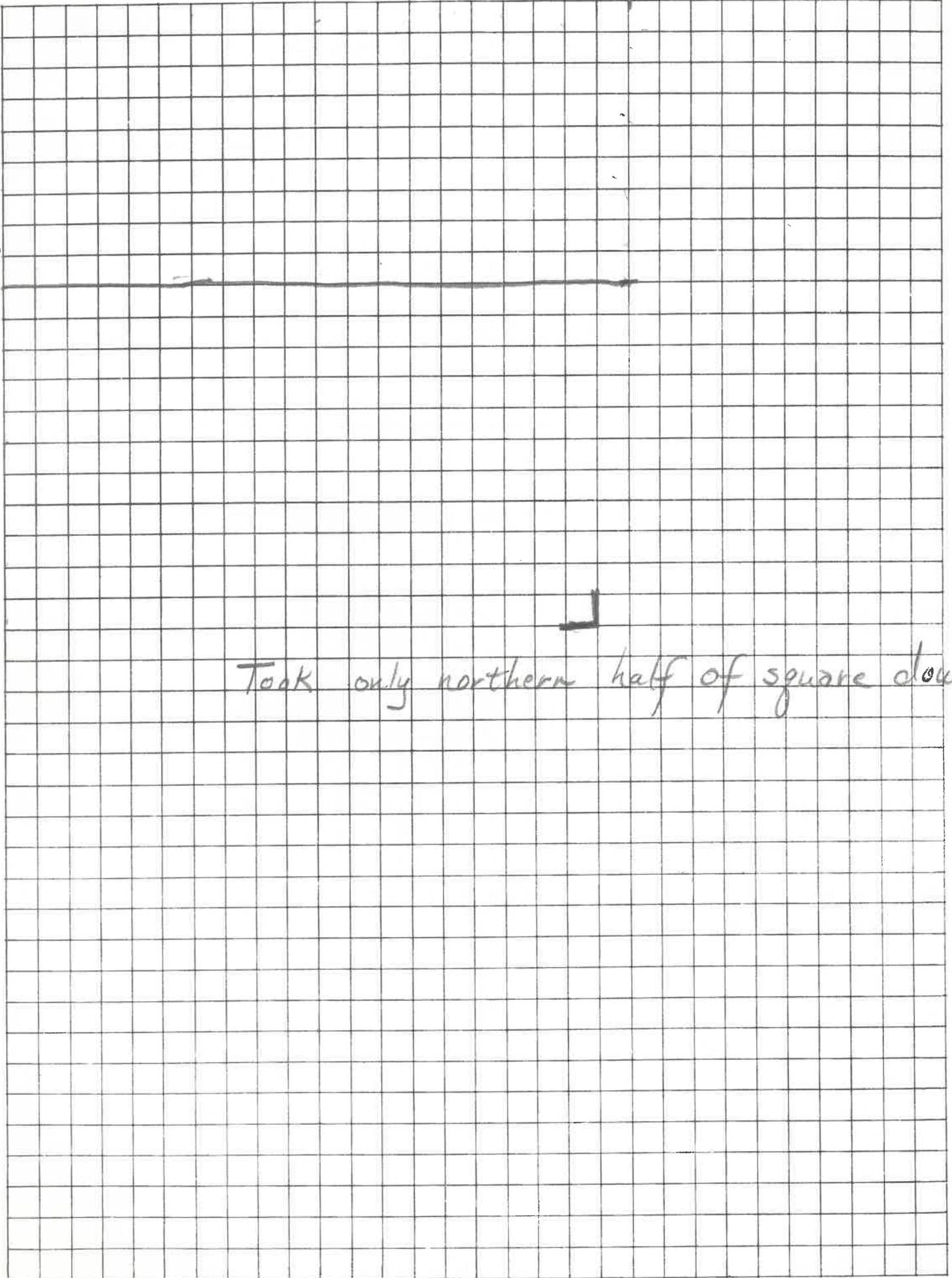
Remainder of pit had pottery scattered evenly throughout brown layer



①

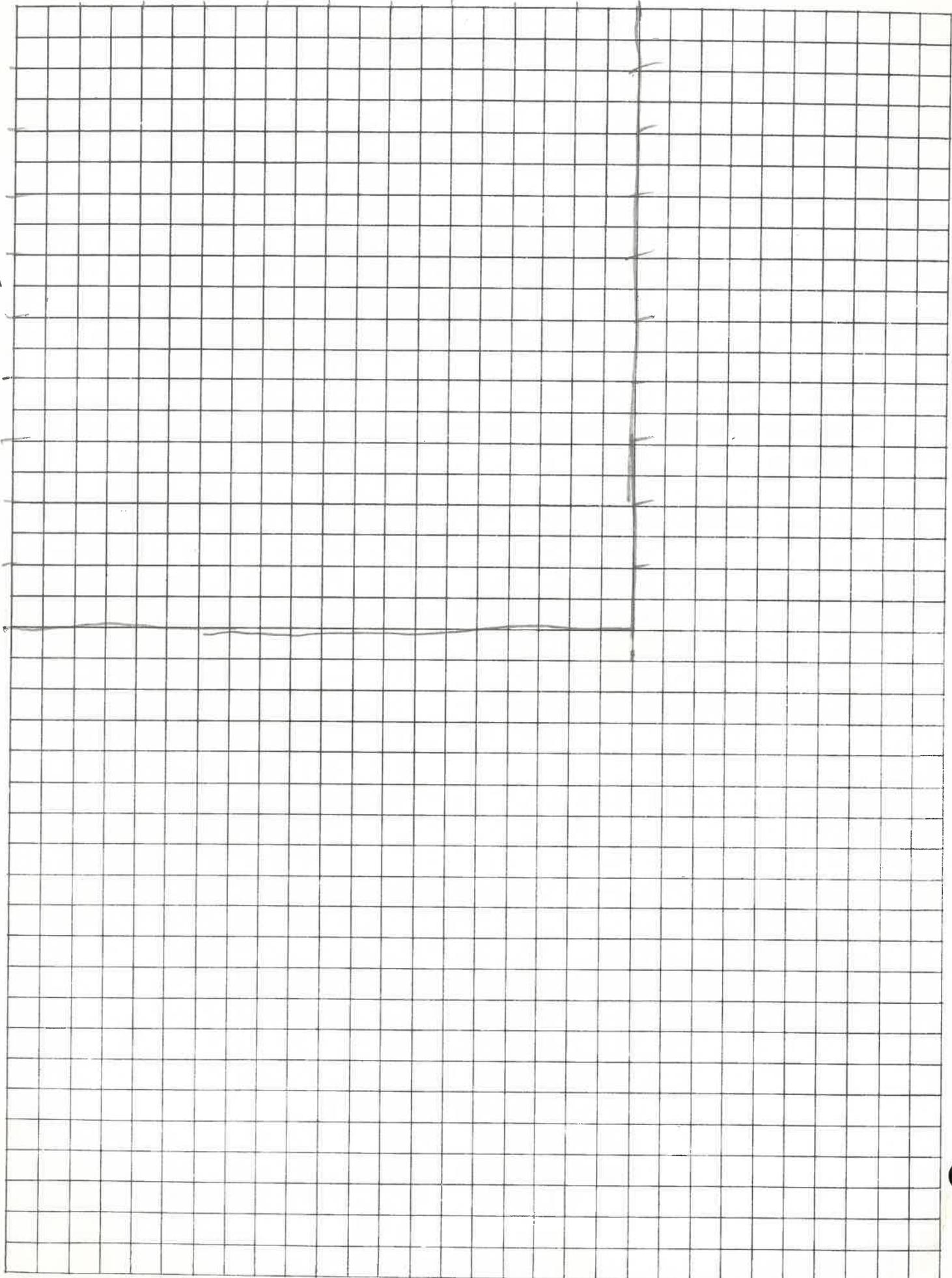
8 7 6 5 4 3 2 1 0

N
↑



Took only northern half of square down

↑
N



ARCHEOLOGICAL SURVEY OF MISSOURI
RECORD SHEET A.

Gen. excav. FORM

No. _____

Date 6/30/66

Name Dawers

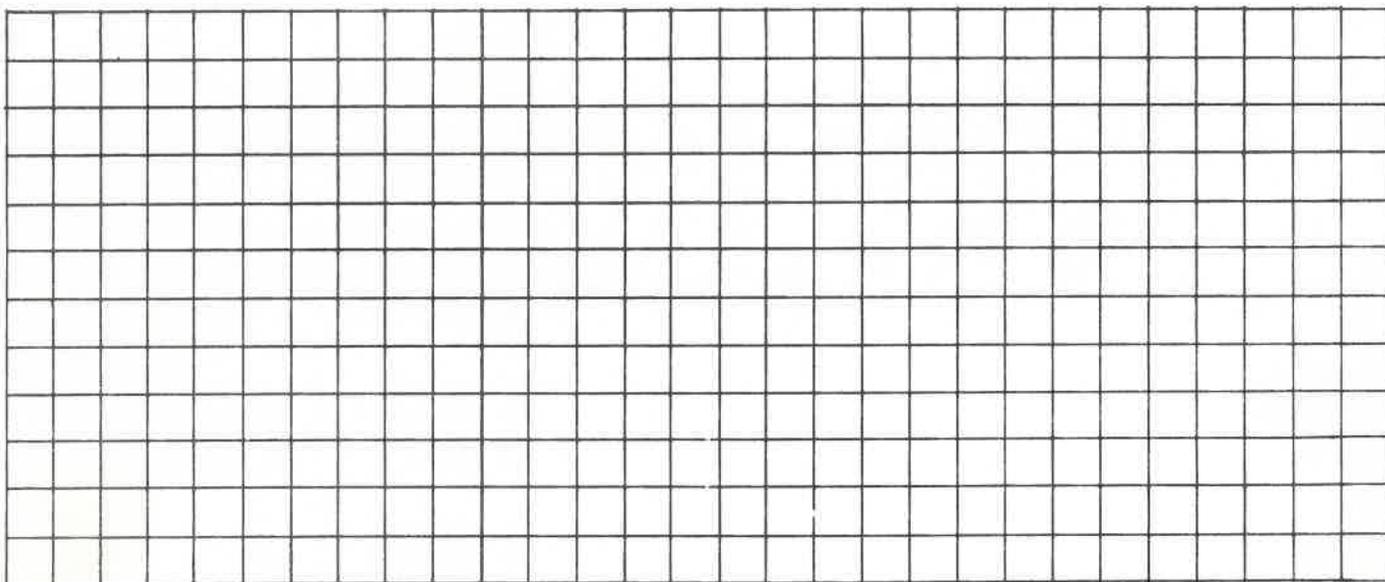
Site 23BE1

Photo _____

Location (Hor.) Square FF
(Ver.) Gen. level #3 at 18"

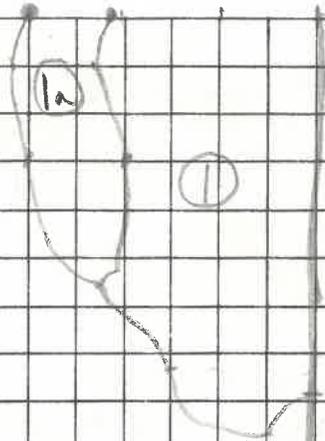
Definition: _____

Associations: _____



Remarks: Square worked down to 18" material located over all with apparent concentration in NE corner; ash louse trapped on back of sheet; soil is soft over entire square and tends to leave deep footprints when walked on; no evidence for single pit, at the moment the pit appears to be part of one large refuse concentration.

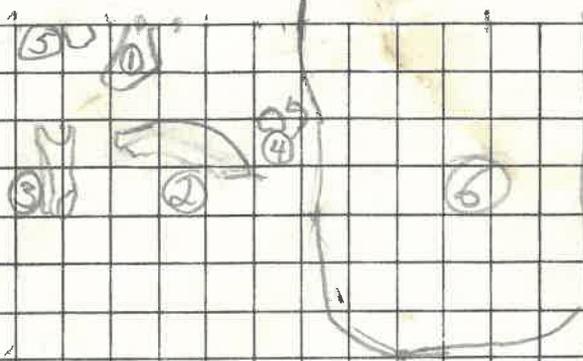
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N



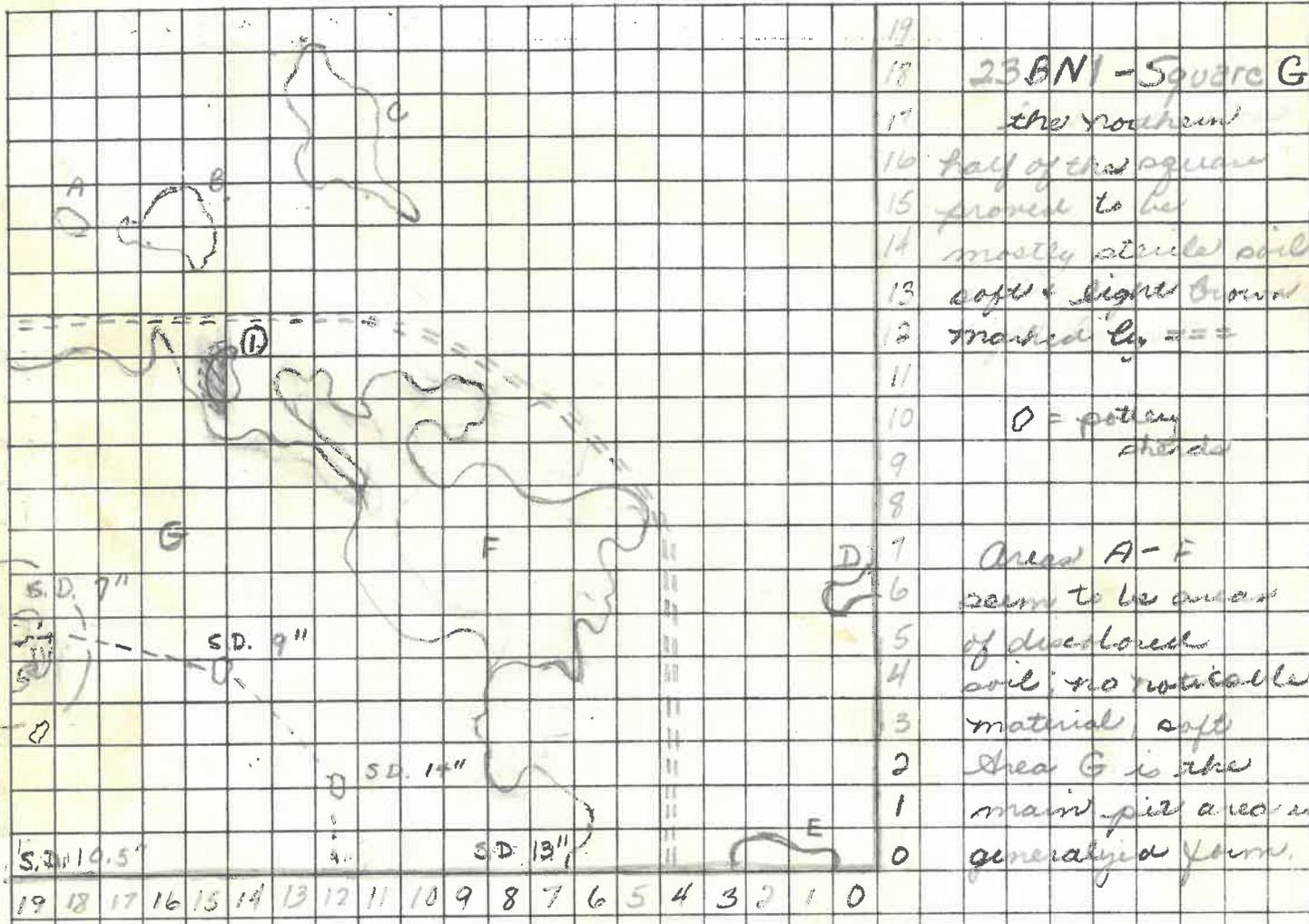
1 square = 6"

① ash lense area

①a slightly darker area of ash lense



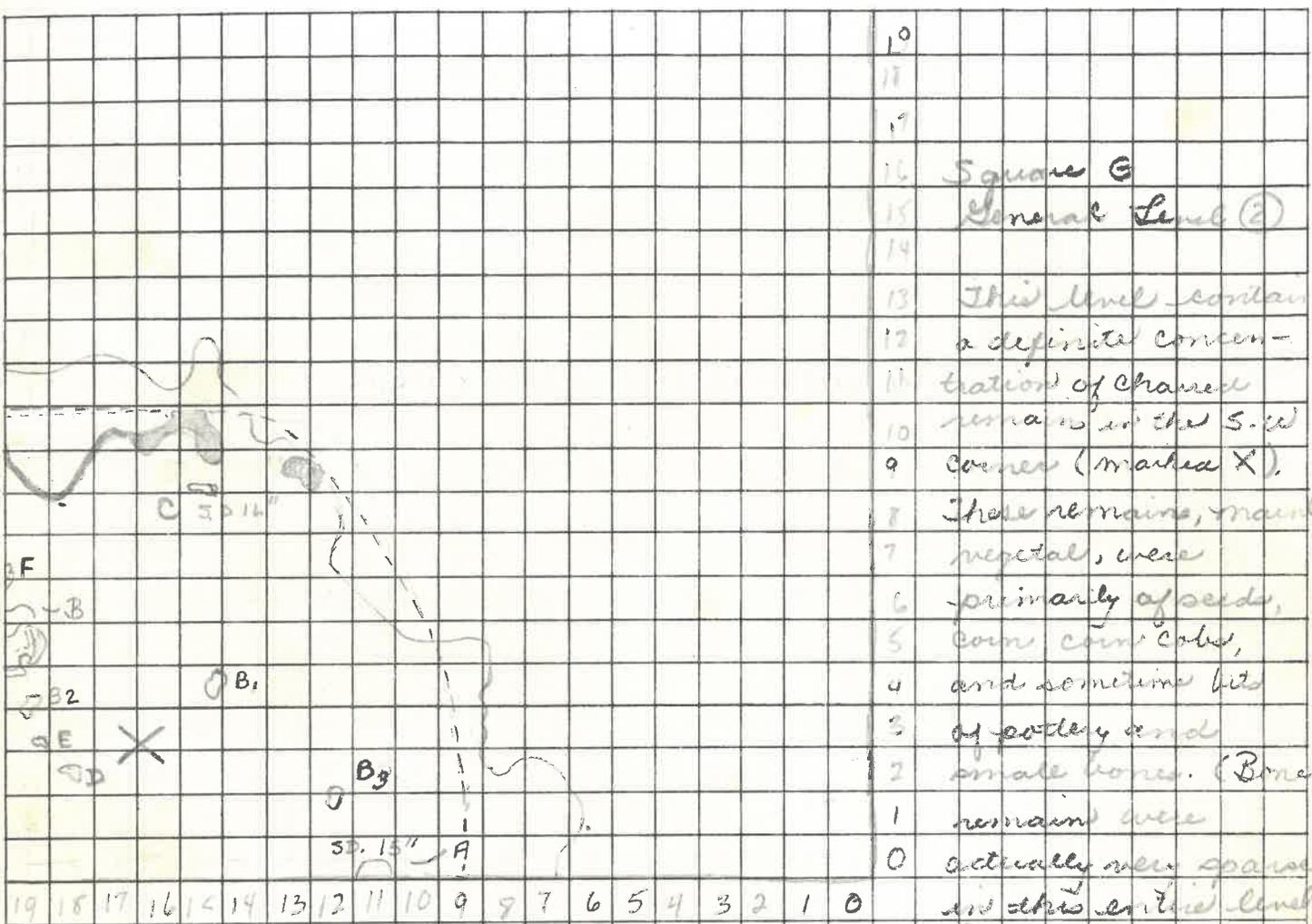
- ① large rim sherd, with bone under it on NE side
- ② large rim sherd
- ③ deer scapula
- ④ body sherd
- ⑤ body sherd protruding from wall
- ⑥ ash layer at 24" - charcoal sample taken from this area at this level



19
 18 23BN1 - Square G
 17 the northern
 16 half of the square
 15 proved to be
 14 mostly sterile soil
 13 soft & light brown
 12 marked by ===
 11
 10 O = pottery
 9 sherds
 8
 7 Area A-F
 6 seem to be areas
 5 of discarded
 4 soil; no noticeable
 3 material, soft
 2 Area G is the
 1 main pit area and
 0 generalized form.

Circled area in area G is larger sherd and rim-banded fragment.
 Hole ① was cross-sectioned ; proved to be nothing.
 Soil in main pit area was much more compact and had a noticeable color change in contrast to the sterile soil around. Soil samples taken, pit area showed definite vegetal remains, other areas nothing.

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Square G
General Level (2)

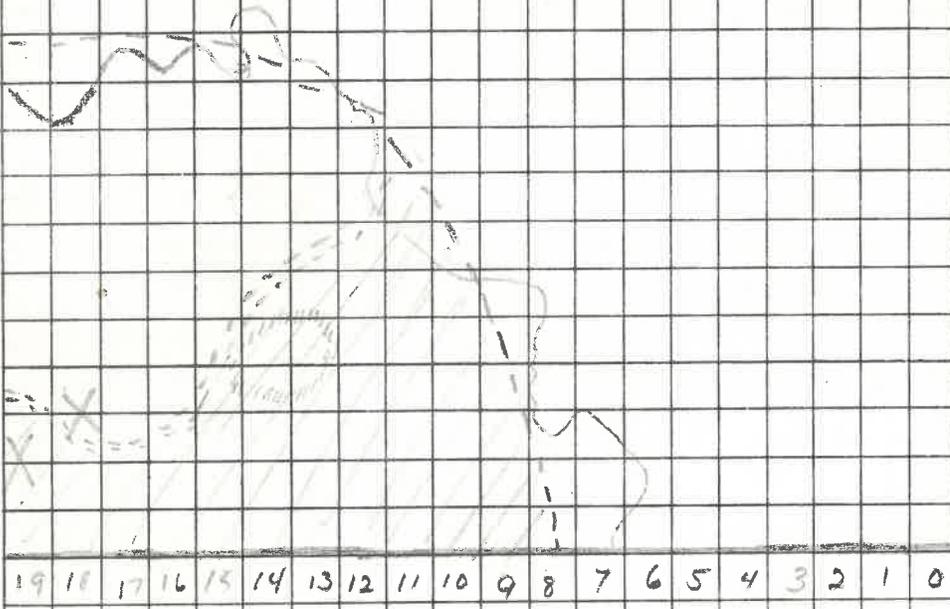
This level contained a definite concentration of charred remains in the S.W. corner (marked X). These remains, mainly vegetal, were primarily of seeds, corn, corn cobs, and sometimes bits of pottery and small bones. (Bone remains were actually very sparse in this entire level.)

Soil on the extreme N.W. corner was very friable, in contrast to the more compact remains on the N.E. edge and to the soft enclosed of stucco soil scattered about.

The area contained a few rodent burrows, ash, and clay-like materials. Great traces of rodent disturbances throughout.

B₁, B₂, B₃, B₄ are remains of the large pot noted on level (1). A is the thin, protruding part of level (1); C the shed left protruding from the lower level; D. is a large rock protruding from lower level; E a pottery shed from same; F a bit of bone flint on the western wall. — marks actual limit of pit as found, shaded area are rodent burrows.

N
↑



19 Square G
 18 Lens level (3)
 17 23BN1
 16
 15 General Level
 14 3 could not be
 13 completed due
 12 to a lack of
 11 time. However
 10 half of this pit
 9 area was dug
 8 (marked by solid
 7 line) before
 6 the final
 5 trench was put
 4 in
 3 The S.W.
 2 corner again
 1 was a concentrated
 0 area of ash,
 charred vegetal
 remains such

as corn cobs, seeds, and grass; and bits of burned pottery and bones. The area was again cut through with rodents burrows.

--- = actual area dug of level 2
 / / / area dug in level 3 X = charred remain
 ○ ash lens - grey, white

N
↑

0 2 3 4 5 6

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dark mark
related to
Potsherd

19 18 17 16 15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0

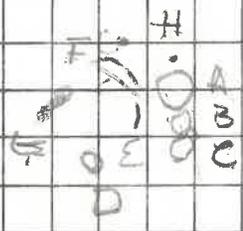
Charcoaled area found in level III at 8 inches. Located in North Central portion of square 23 inches in diameter.

Potsherd found in charcoal area cracked and broken. Part in place. 41 inches in length. 3 inches in width. 2

5 Potsherds found in South East Portion of square. (C) Largest piece 4 inch in length - 2 inches in width. Smallest piece 1/4 inch in length.

11
10
9
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Southwest Quarter
of Section 15.
Level 11



15 14 13 12 11 10 9 8 7 6 5 4 3 2 1 0

A. Rim Sherd. Depth of 24 inches from surface. $5\frac{1}{2}$ inches by $6\frac{1}{2}$ inches at maximum points.

B. Sherd. Depth of 24 inches.

C. Sherd. Depth of 24 inches.

D. Scraper.

E. Wolf Tooth

F. Deer mandible

G. Cow hoof

H. Fish bone

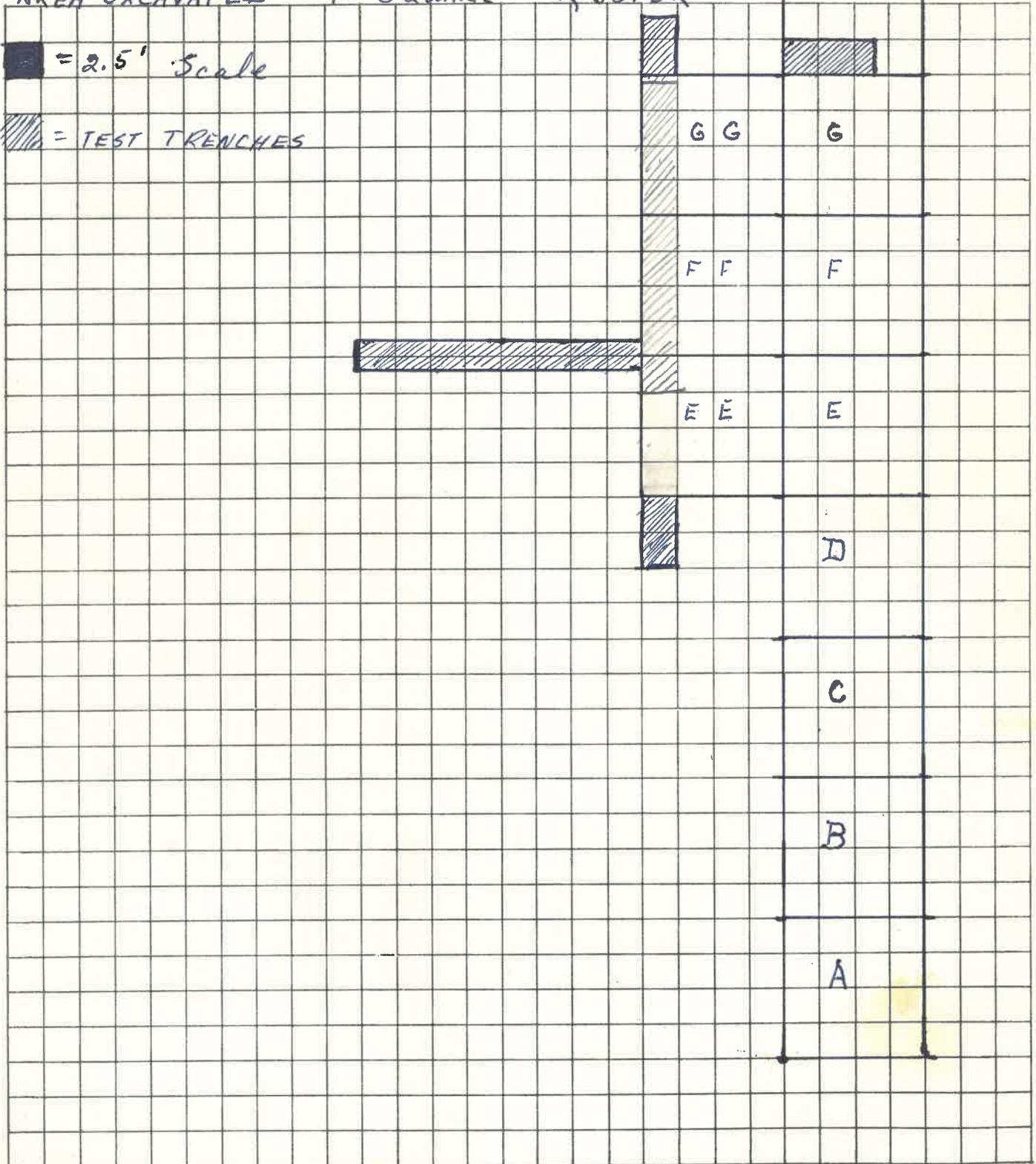
ARCHEOLOGICAL SURVEY OF MISSOURI
RECORD SHEET B.

Page _____ Form _____ No. _____ Name Henning

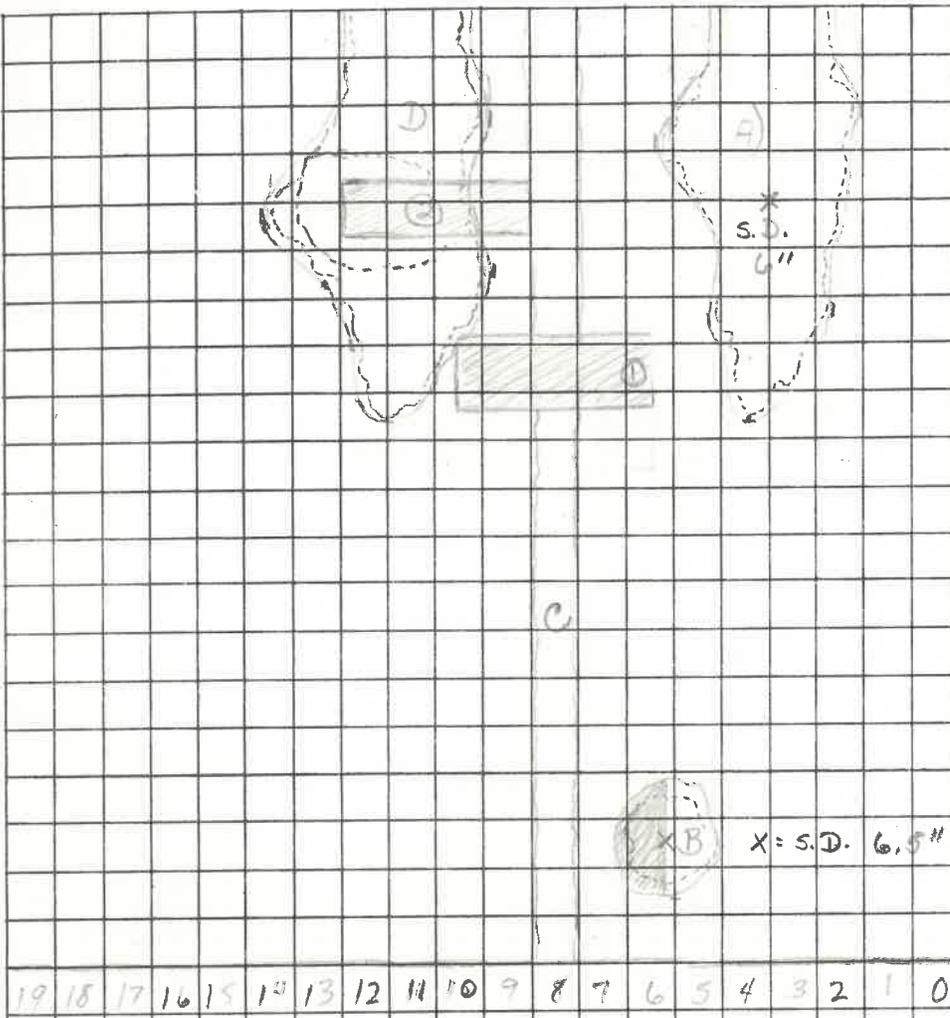
Site 23BN-1 Date 7-5-66

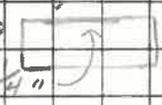
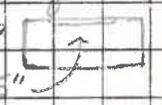
Location GARDEN PLOT: DERRY PROPERTY

AREA EXCAVATED + SQUARE ROSTER



↑ N



x = surface depth
 darker areas
 A)
 B)
 C)
 D)
 trenches ① & ②
 ---- = actual outline
 — = simplified outline
 cross section of trench ① → 
 less than 1/4"
 cross section of trench ② → 
 less than 1/2"

- A) area of darker soil; trenched by 9" x 24" x 4" trench in square C
- B) round area of discolored soil; trenched, proved to be nothing
- C) area of speckled soil encircling around the center; cut by trench ①; was proved nothing of significance.
 test trench ①: 9" x 24" x 4 1/2"
- D) area of discolored soil; trenched by trench ②, 7" x 24" x 5"
 trenched proved area to be nothing

Copy

SMITHSONIAN INSTITUTION
UNITED STATES NATIONAL MUSEUM
WASHINGTON, D. C. 20560

January 5, 1967

Mr. Mett Shippee
3622 Russell Road
Kansas City, Mo. 64117

Dear Mett:

Thank you for your letter of December 29, with its additional background material on the King's Hill operations. The more I learn about the site, the more interesting and significant it seems to be. I've seen none of the pottery, but I judge that it is pretty good stuff; I shall be greatly interested to see how it compares with the Fanning wares.

I don't know whether it will ever be possible to demonstrate that King's Hill is Kansa; but if the trade stuff is distinctive enough to be identifiable and datable within a reasonably tight time span, the documentary record should certainly be re-examined very closely for all possible leads to the tribes resident in the Blacksnake Hills locality at that time level. Chouteau's 1816 description of the former Kansa territory, including lands east of the Missouri, makes sense in terms of the easterly origin of the tribe and its long residence on the prairie-woodland margin. It seems to me entirely possible that Kansa movements to their earliest recorded historic locations could have involved both banks of the Missouri River, rather than exclusively one or the other.

King's Hill points up the importance of further and wider exploration for Oneota sites in the Missouri drainage within a radius of 50 or 75 miles around St. Joseph. If Leary is anywhere near as early as the radiocarbon dates suggest, this and the occurrence of trade goods at Fanning and King's Hill suggest a fairly long period of use by Oneota peoples of this locality; and there may be other sites that would help fill in the apparent time gaps that still confront us in our reconstructions here. Whether several tribes were involved, rather than the development through time of a single tribe like the Kansa, I wouldn't try to guess, but there is certainly no shortage of problems for the future here.

I hope to return to Rice County about June 1st for further digging at Kermit Hayes' circle and perhaps at other sites in the locality. I'm a little concerned about what the May and June rains might do to slow down our digging, but that is a chance I'll have to take. Hope you can visit us and linger a while.

Sincerely yours,

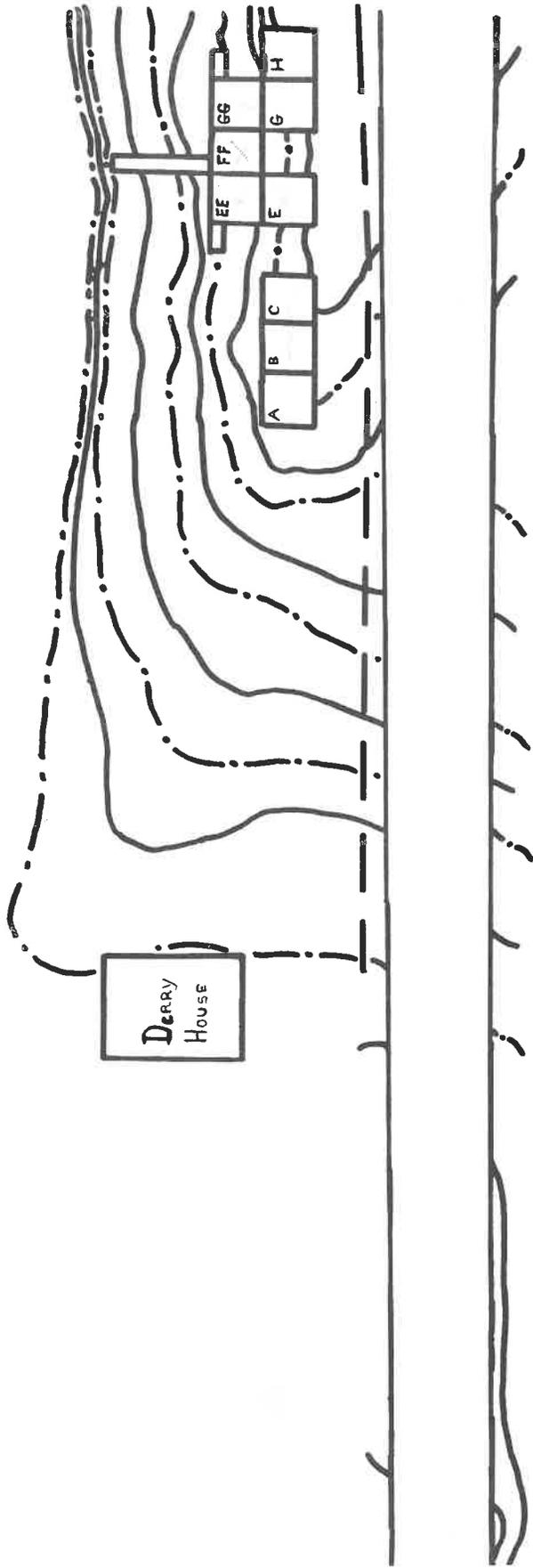
Waldo

Waldo R. Wedel
Senior Anthropologist

Dale: I thought that you and Roy Coy would be interested in Waldo's letter. Perhaps he has told you all this previously. I guess you found the bones of Orange River cave sherds etc and the 69 color slides of the cave.

Carl wasn't impressed with the Rockhouse material but I doubt if the lab has any better in storage.

Mett



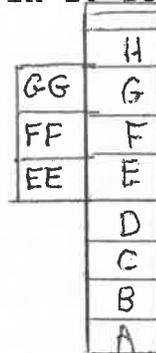
N →

SCALE 0 1/4 feet

- contour interval of 2 feet
- contour at 1 foot interval
- - - sidewalk
- designates approximate limits of southern portion of site

2nd day of excavation:

Don Reynolds and Mike Fisher assisting in excavation of site. A number of more squares are set out today to the north..thus, the grid pattern looks thus: in 10 foot squares.



We found this morning that the area in which we have set squares A, B, C, has been graded off to provide footing for the landowner's house; thus, we will probably find only pit hollows, etc.

FEATURES:

Feature #1 is a trash pit in square A. It is large in diameter, but shallow in depth, apparently. Material recovered is mostly clinker and some pottery and bone - the clinker is at present enigmatic...sifting with $\frac{1}{4}$ inch screen.

Sq.E:

Ken Middleton and Mr. Bush (of local assn.) opened the square and have begun planing it down w/trowel.

Sq.FF:

Betty Sigstad and Sally Powers opening and troweling down.

--

There was a good spring below the water tower and to the west which at early time flowed very full: it is still

Sq.EE:

Fisher and Henning skimming off the plow zone - some material can be felt w/probe.

Sq. H:

Baker and Page: began 6-29-66.

6-29-66

Square Rosters:

Sq. H = Page and Baker

Sq.FF = Sigstad and Powers:

both shoveling and hastily troweling topsoil and plow zone... $\frac{1}{2}$ " screen used to catch mtls.

Sq.E: = Middleton and Larry

hastily troweling, but not screening the back dirt: this procedure used to take of plow zone.

Sq A: = Cagle: still working in feature.

Sq. B:= O'Neil and Scott working on mapping: upon that being completed, O'Neil will help McGrath w/a map of general site area. Scott will move to Sq. G and begin removal of plow zone.

Sq. EE:

Reynolds and Fisher to this square..push toward base of plow zone.

Sq. FF:

in NE corner, a heavy concentration of prehistoric materials: Betty Sigstad and DRH troweled well around to Ca. 4-5' from the corner without finding a break along a pit - Thus we began a new general level and sack the materials in it. This square is very rich in points (over 10 by noon) and pottery. There must be some pits ...Sally Powers is at 11-12", still proceeding into black material mottled with buff colored soil. When probed, the square seemed to have material throughout at Ca. 12-18"

6-30-66

We have the following squares under excavation.

Sq. E: Ken Middleton and Larry are working this unit: they are now down to nearly below disturbed (European-American) soil and into earlier occupation. Just before leaving last night, Ken found a copper (brass) piece of wire well below the white remains.

Sq. 6: Scott and Shippee in this clearing to occupation level.
- -There should be some remains in the SW corner of this square.

Sq. H: Dug to sterile soil at Ca. 24-30"; few artifacts here and no sounds produced by the probe. closed up.

Sq. GG: Partly cleaned by Page and Baker, then referred to R.B. Aker. Aker ran into much material in plow zone.

Sq. FF: square is out the 18" level over most of the floor: the entire square is loaded with material, which appears to be common overall - an interesting feature of this square is that a buff-colored zone can be seen to a depth of 9-11". This zone is probably a combination of plow zone and redeposited loess from off the upper surface - I suspect that the base of this yellow zone is the base of an old plow zone. - The most recent plow zone base is probably in deeper than 6". It appears to have been added to rather than eroded away. Powers, Sigstad digging: Reynolds on the screen

Sq.EE: Clearing with shovel and sifting with ½" screen the buff colored zone.

Sqs. A,B,C, are now closed. - a series of confusing trenches, oriented N-S. located in these, but cross-sectioning produced no evidence for posts, etc.- These are probably evidences of gardening which has taken place for years on this site.

These features were all mapped in and checked carefully. The pit (Feature #1) in Sq. A is completed and has been mapped in. No other features of this sort have been located as yet.

The general area of high concentration in SQS. E, G, EE, FF, GG has not been delimited as regards edges...nor has the base been reached. This thing must have been deep and big, Were they merely filling an old house depression?

7-1-66

Sq. GG:

Level # 2: 6-12": Ed Barlow, Mike Fisher, Mr. Bush scraping this down and using a $\frac{1}{2}$ " screen.

Sq. FF:

Sigstad, Powers, Reynolds, (sometimes Henning) working this down, Sigstad is working in the N.E. corner uncovering a concentration of material at 30". This will be photographed.

Sq. EE:

Baker, Page, Cagle are here, still finding material at 24" level. - The soil profile indicates aggradation from upper slope (East) toward lower (West). The aggraded material is buff-colored and mottled.

Sq. G:

J. Scott removing fill from feature edge: this feature appears to be the edge of the midden area being worked out in SQS.GG, FF, EE,
There is some of the feature edge still showing up along the NE corner of GG as well.

Sq. E:

Ken Middleton excavating a 5 x 10 in the East half: much material showing up at level 5 in this portion of the square.

7-1-66

Sq. EE:

continuing down to level #6: 30-36" the deposit of cultural materials seems thinner and the soil is yellower, but some material is still being recovered.

SUNDAY, JULY 3, 1966

Data from West Wall (Test) Profile Readings - surface to original soil depth; at bottom of deepest portion, limited paleosol can be discerned. This would suggest that this was a dig or an excavated feature but probably fill thrown into a natural ravine. No evidence of post holes or fireplaces can be discerned along lower margins. Readings given are from surface to point of maximum deposit level beginning in NW

corner of SQ. GG and proceeding South into SQ. EE. Readings are taken every foot.

(SQ.GG)		READINGS	
NW CORNER - 24 inches to Maximum		(Lowest point of colluvial soil)	
1 foot	- 33 inches	1 foot	-
2 feet	- 36 "	2 feet	- 16 inches
3 "	- 41 "	3 "	- 17 "
4 "	- 41 "	4 "	- 18 "
5 "	- 40 "	5 "	- 18 "
6 "	- 44 "	6 "	- 16 "
7 "	- 45 "	7 "	- 15 "
8 "	- 47 "	8 "	- 14 "
9 "	- 48 "	9 "	- 13 "
10 "	- 48 "	10 "	- 13 "
Pot hole in NW corner of GG			
Depth 24" from surface			
at 12"-extends to 20 "- depth outer edge			
is at 17 depth, 16 inches south			

SQUARE FF -NW CORNER 10ft - 48"-11"		READINGS (lwst pt of coll. soil)	
1 foot	- 48 inches	1 foot	- 10 inches
2 feet	- 52 "	2 feet	- 11 "
3 "	- 55 "	3 "	- 12 "
4 "	- 58 "	4 "	- 11 "
5 "	- 58 "	5 "	- 11 "
6 "	- 60 "	6 "	- 13 "
7 "	- 70 "	7 "	- 13 "
8 "	- 72 "	8 "	- 11 "
9 "	- 70 "	9 "	- 12 "
10 "	- 68 "	10 "	- 14 "

SQUARE EE NW CORNER		READINGS (LWST PT OF COLL.SOIL)	
1 foot	- 68 inches	1 foot	- 16 inches
2 feet	- 69 "	2 feet	- 18 "
		3 "	- 23 "
		4 "	- 24 "
		5 "	- 20 "
		6 "	- 20 "
		7 "	- 16 "
		8 "	- 13 "
		9 "	- 13 "
		10 "	- 9 "
Test trench south of SQ.EE			
taken to surface depth of			
39 inches; 9 inch reading			
at lowest point of colluvial			
deposit; trench never taken			
to lowest depth or bottom			
of midden deposit			

Test trench due West at Junction of EE and FF - Trench slopes downhill at extreme degree:

77 inches is top of old A horizon and bottom of midden deposit

19 inches is A horizon buried under colluvial deposit

4 feet from Junction of EE and FF corner - 85 inches to old A horizon

26 inches is A horizon to base of colluvial deposit

Falls at same angle as the surface of the soil

South wall of SQUARE G - Readings taken for West Corner of Wall:

READINGS	from SW corner of Sq.	LOWEST LEVEL OF MIDDEN DEPOSIT
0	-	41 inches
1 foot	-	42 "
2 feet	-	42 "
3 "	-	45 "
4 "	-	44 "
5 "	-	21 "
6 "	-	19 "
7 "	-	17 "

EAST WALL OF SQUARE FF FROM NE CORNER

READINGS	LOWST PT OF COLLUVIAL SOIL
----------	----------------------------

0 feet	42 depth to bottom of deposit (midden)	
1 foot	37 depth	
2 feet	34 inches	
3 "	39 "	
4 "	36 "	
5 "	41 "	9 inches
6 "	44 "	9 "
7 "	46 "	9 "
8 "	46 "	10 "
9 "	48 "	11 "
10 "	49 "	11½ "