Town Planning and Domestic Architecture in Ancient Mesopotamia from Earliest Times until the Middle of the Second Millennium B.C.

by

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L I S T O F F I G U R E S

Figure 1 Map of the Tigris-Euphrates basin.
" 2 Southern Iraq: the marshes.
" 3 Patch of marshland near Warka.
" 4 Open country near Nippur.
" 5 Assur and the Tigris in spring.
" 6 The Zagros foothills.
" 7 Map of the Khabur region.
" 8 Deir-ez-Zor.
" 9 New building: Hasake to Deir-ez-Zor road.
" 10 New building near Tell Brak.
" 11 New building near Tell Brak: detail of roof.
" 12 Brick-making near Darbassiya.
" 13 Brick-making near Darbassiya.
" 14 Brick-making near Darbassiya.
" 15 Decorative brickwork: Hasake to Deir-ez-Zor road.
" 16 Decorative brickwork: Hasake to Deir-ez-Zor road.
" 17 Domed houses near the Khabur south of Hasake.
" 18 Metal bed-platform near Hasake.
" 19 Kheshuga: village plan.
" 20 Kheshuga: House 3 plan.
" 21 Kheshuga: House 3 guest room.
" 22 Kheshuga: House 3 guest room.
" 23 Kheshuga: House 3 living/storeroom.
" 24 Kheshuga: House 3 grain store on right at gate.
" 25 Kheshuga: House 3 grain store.
" 26 Kheshuga: House 3 animal shelter.
" 27 Kheshuga: House 3 bed platform.
" 28 Kheshuga: House 9.
" 29 Kheshuga: House 1 main living-room.
" 30 Kheshuga: House 1 secondary living-room.
" 31 Kheshuga: House 1 bed platform: note pigeon holes in background.
" 32 Kheshuga: House 1 storage bins and hen coops.
" 33 Isif Tell: view from south-west.
" 34 Isif Tell: cambered roofs.
" 35 Isif Tell: bed platforms; note roof construction on left.

Figure 36 Isif Tell: tannur.
" 37 Isif Tell: hen coop.
" 38 Isif Tell: hen coop.
" 39 Isif Tell: tannurs.
" 40 Isif Tell: inhabitants.
" 41 Isif Tell: well.
" 42 Kra'aysh: village plan.
" 43 Kra'aysh: House 3 plan.
" 44 Kra'aysh: House 3 from north.
" 45 Kra'aysh: House 3 vestibule.
" 46 Kra'aysh: House 3 bedroom 1.
" 47 Kra'aysh: House 3 storeroom.
" 48 Kra'aysh: House 3 bedroom 3.
" 49 Kra'aysh: House 3 courtyard looking south.
" 50 Kra'aysh: House 1 storeroom.
" 51 Kra'aysh: House 1 storeroom.
" 52 Kra'aysh: House 4 courtyard looking north.
" 53 Kra'aysh: House 4 courtyard looking south-east.
" 54 Kra'aysh: House 4 bedroom.
" 55 Kra'aysh: House 4 bedroom.
" 56 Kra'aysh: House 4 storeroom.
" 57 Kra'aysh: House 7 from north-west.
" 58 Kra'aysh: House 7 courtyard looking north.
" 59 Kra'aysh: House 7 courtyard; well and drinking-trough.
" 60 Kra'aysh: House 7 courtyard; bed platforms.
" 61 Kra'aysh: House 7 animal shed.
" 62 Kra'aysh: House 8 garden.
" 63 Kra'aysh: House 8 grain store.
" 64 Kurdish village: panelled guest house.
" 65 Deserted village north of Abu Hejira.
" 66 Deserted village north of Abu Hejira: drinking-trough.
" 67 Abu Hejira: village plan.
" 68 Abu Hejira: House 8 plan.
" 69 Abu Hejira: House 8 guest/living-room.
" 70 Abu Hejira: House 8 storeroom.
" 71 Abu Hejira: House 8 storeroom.
" 72 Abu Hejira: House 8 storeroom.
" 73 Abu Hejira: House 8 hen coop.
" 74 Abu Hejira: House 1 from south-west.

Figure 75 Abu Hejira: House 1 from south.
" 76 Abu Hejira: House 5 from south-west.
" 77 Hasake to Tell Tamer road: turkey coops in Muslim village.
" 78 Tell Romman north: canal.
" 79 Tell Romman north: street.
" 80 Tell Romman north: flat-topped domes.
" 81 Tell Romman north: water-wheel.
" 82 Tell Romman north: inhabitants.
" 83 Tell Romman north: inhabitants.
" 84 Tell Romman south: cotton fields in foreground.
" 85 Tell Romman south: church.
" 86 Tell Romman south: house with arched doorway.
" 87 Tell Romman south: newly-built house plan.
" 88 Tell Romman south: newly-built house from north-west.
" 89 Tell Romman south: newly-built house guest room.
" 90 Tell Romman south: newly-built house bedsteads and storerooms.
" 91 Map of sites mentioned in Chapter 3.
" 92 Umm Dabaghiyah: Level IV.
" 93 Umm Dabaghiyah: Level III.
" 94 Umm Dabaghiyah: Level II.
" 95 Tell Sotto: Level 7.
" 96 Hassuna: Level Ic.
" 97 Hassuna: Level IV.
" 98 Yarim Tepe I: Level 6.
" 99 Yarim Tepe I: Level 5.
" 100 Yarim Tepe I: Level 4.
" 101 Matarrah: Operation IX.
" 102 Choga Mami: Samarra house plans.
" 103 Tell es.Sawwan: Level II, Building 2.
" 104 Tell es-Sawwan: Level IIIA.
" 105 Tell Arpachiyah.
" 106 Yarim Tepe II: Level VI.
" 107 Yarim Tepe II: Level V.
" 108 Map of sites mentioned in Chapter 4.
" 109 Ras al 'Amiya.
" 110 Raidau Sharqi.
" 111 Tepe Gawra Stratum XIX.

Figure 112 Tepe Gawra Stratum XVII
" 113 Tepe Gawra Stratum XVI
" 114 Telul eth-Thalathat, Tell 2 Stratum 14.
" 115 Tepe Gawra Stratum XV.
" 116 Tepe Gawra Stratum XIV.
" 117 Telul eth-Thalathat, Tell 2 Level C.
" 118 Tell Maddhur: 'Ubaid house.
" 119 Tepe Gawra Stratum XII.
" 120 Tepe Gawra Stratum XIA.
" 121 Grai Resh.
" 122 Telul eth-Thalathat, Tell 2: 'Temple'.
" 123 Tepe Gawra Stratum XA.
" 124 Tepe Gawra Stratum X.
" 125 Habuba Kabira: town plan.
" 126 Habuba Kabira: House in squares H-K, M-N II-III.
" 127 Map of sites mentioned in Chapter 5.
" 128 Khafajah: town plan.
" 129 Khafajah: Houses 6.
" 130 Khafajah: the Temple Oval and House D.
" 131 Fara: House in VIIu.
" 132 Khafajah: Houses 2 (hatched) and 1 (solid).
" 133 Tell Asmar: town plan.
" 134 Tell Asmar: the Arch House.
" 135 Tell Asmar: Stratum Va.
" 136 Tell Asmar: Stratum IVa.
" 137 Tepe Gawra: Stratum VIIIA.
" 138 Tepe Gawra: Stratum VI.
" 139 Mari: Houses east of Ishtar Temple.
" 140 Tell Chuera: Houses.
" 141 Tell Taya: town plan.
" 142 Tell Taya: House in outer town (S1).
" 143 Map of sites mentioned in Chapter 6.
" 144 Tello: Ur III house.
" 145 Nippur: House V, Levels IX (A) and VIII (B).
" 146 Nippur: Level IV, House I.
" 147 Assur :'Old Akkadian' house.
" 148 Ur: town plan.
" 149 Ur: EM site, Larsa houses.
" 150 Ur: AH site, Larsa houses.

Figure 151 Tell ed-Der: Phase lg2, central building.
" 152 Nippur: TB Level II.
" 153 Tell Harmal: town plan.
" 154 Map of sites mentioned in Chapter 7.
" 155 Ur: EM site, Kassite houses.
" 156 Ur: KPS group of Kassite houses.
" 157 Nuzi: town plan.
" 158 Histograms: frequency of house sizes at Tell Asmar, Ur and Nuzi.

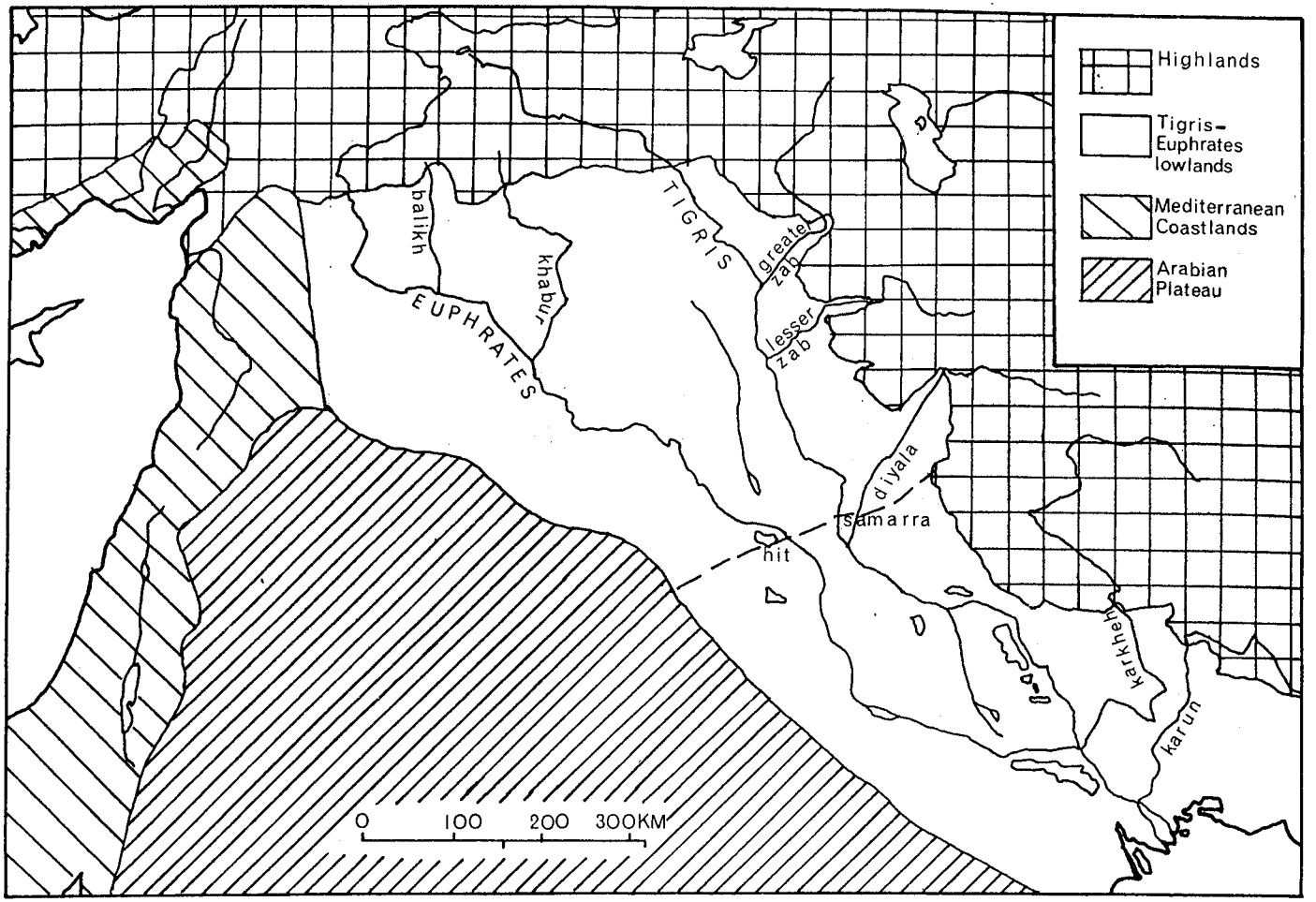

Highlands
Tigris–Euphrates lowlands
Mediterranean Coastlands
Arabian Plateau
halikh
khabur
EUPHRATES
TIGRIS
greater zab
lesser zab
diyala
samarra
hit
karkhah
karun
0 100 200 300KM

Fig. 1.



Fig. 2



Fig. 3



Fig. 4



Fig. 5



Fig. 6

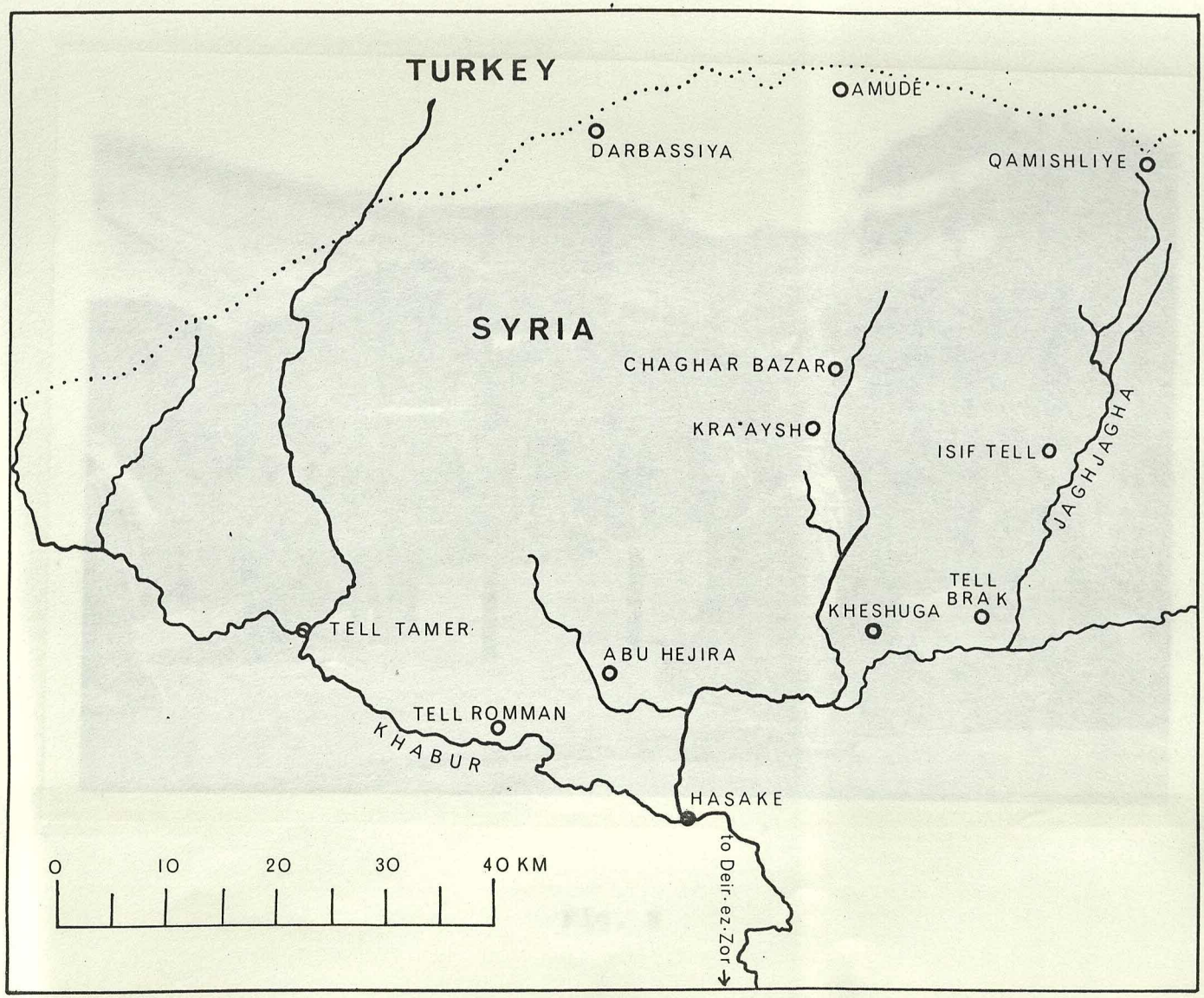
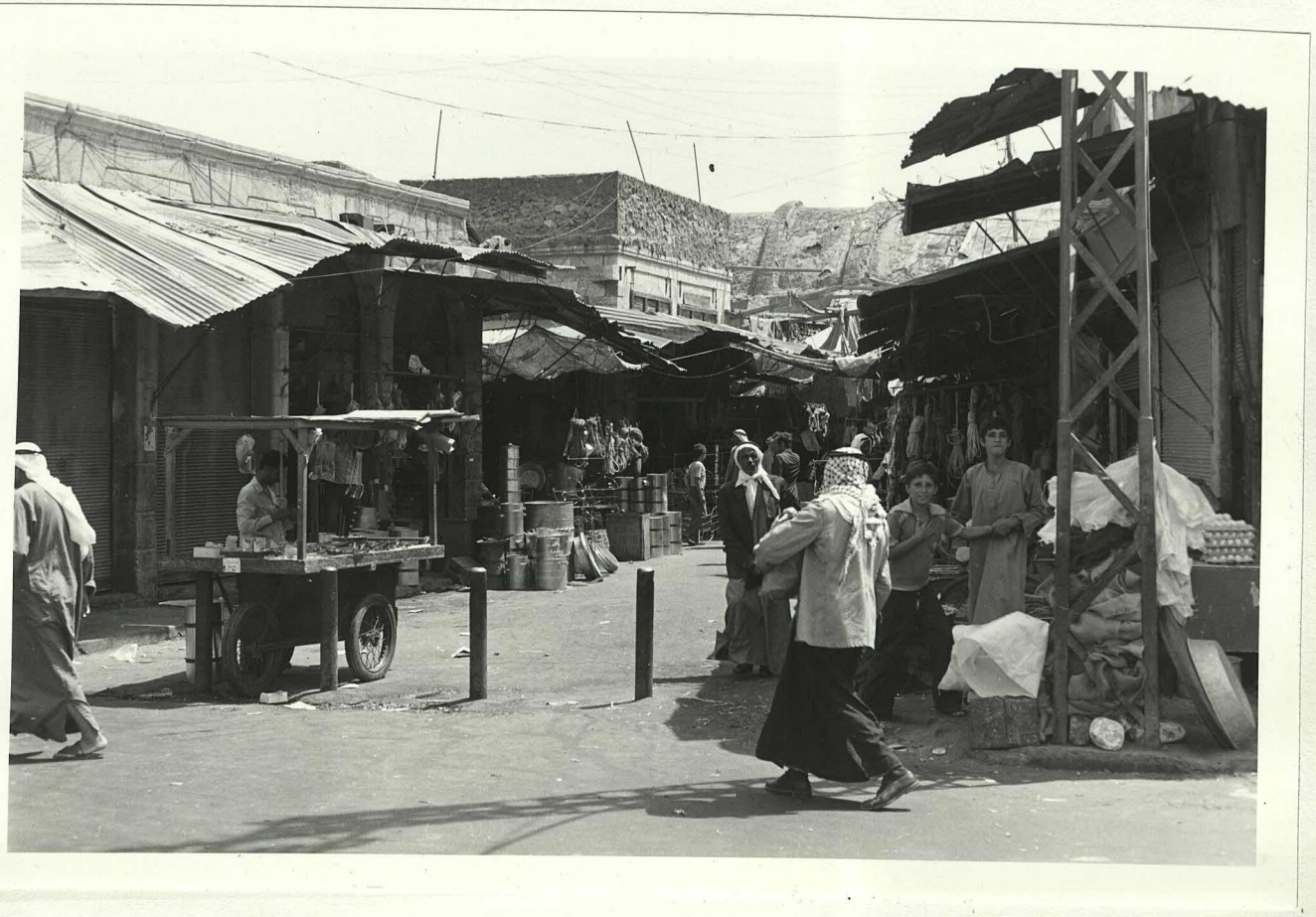

TURKEY
AMUDÉ
DARBASSIYA
QAMISHLIYE
SYRIA
CHAGHAR BAZAR
KRA'AYSH
ISIF TELL
JAGHJAGHA
TELL BRAK
KHESHUGA
TELL TAMER
ABU HEJIRA
TELL ROMMAN
KHABUR
HASAKE
to Deir-ez-Zor
0 10 20 30 40 KM

Fig. 7.



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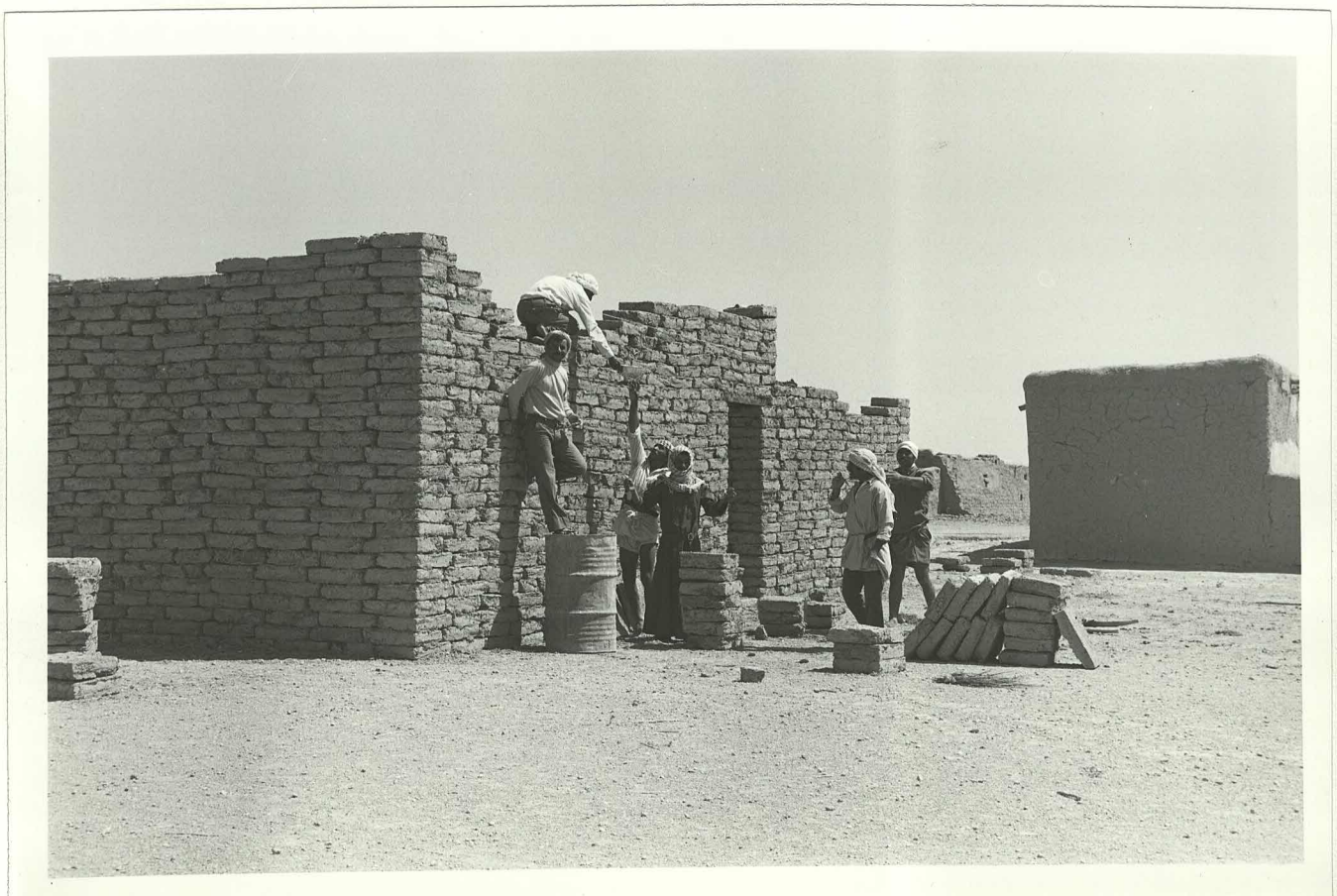

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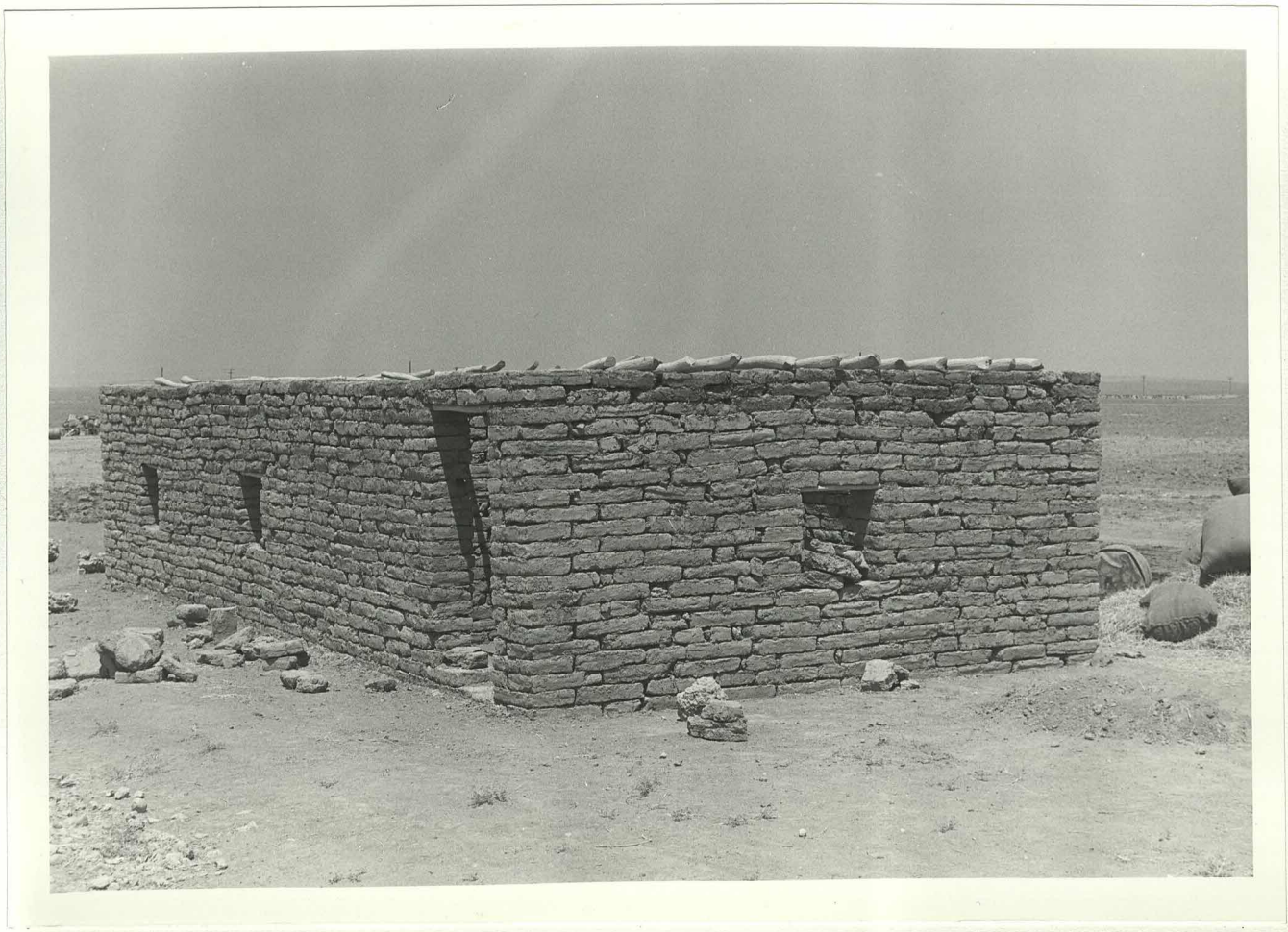

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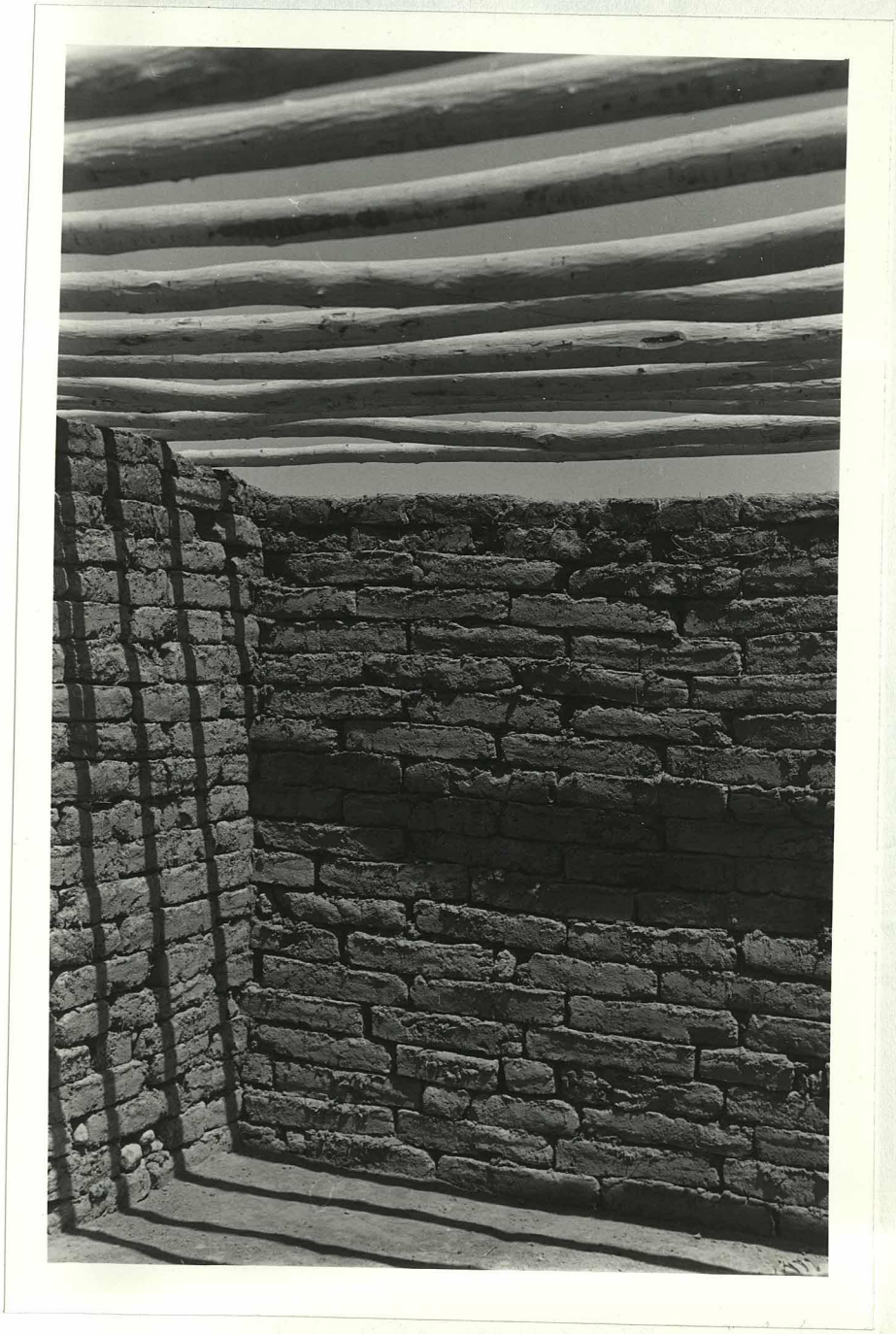
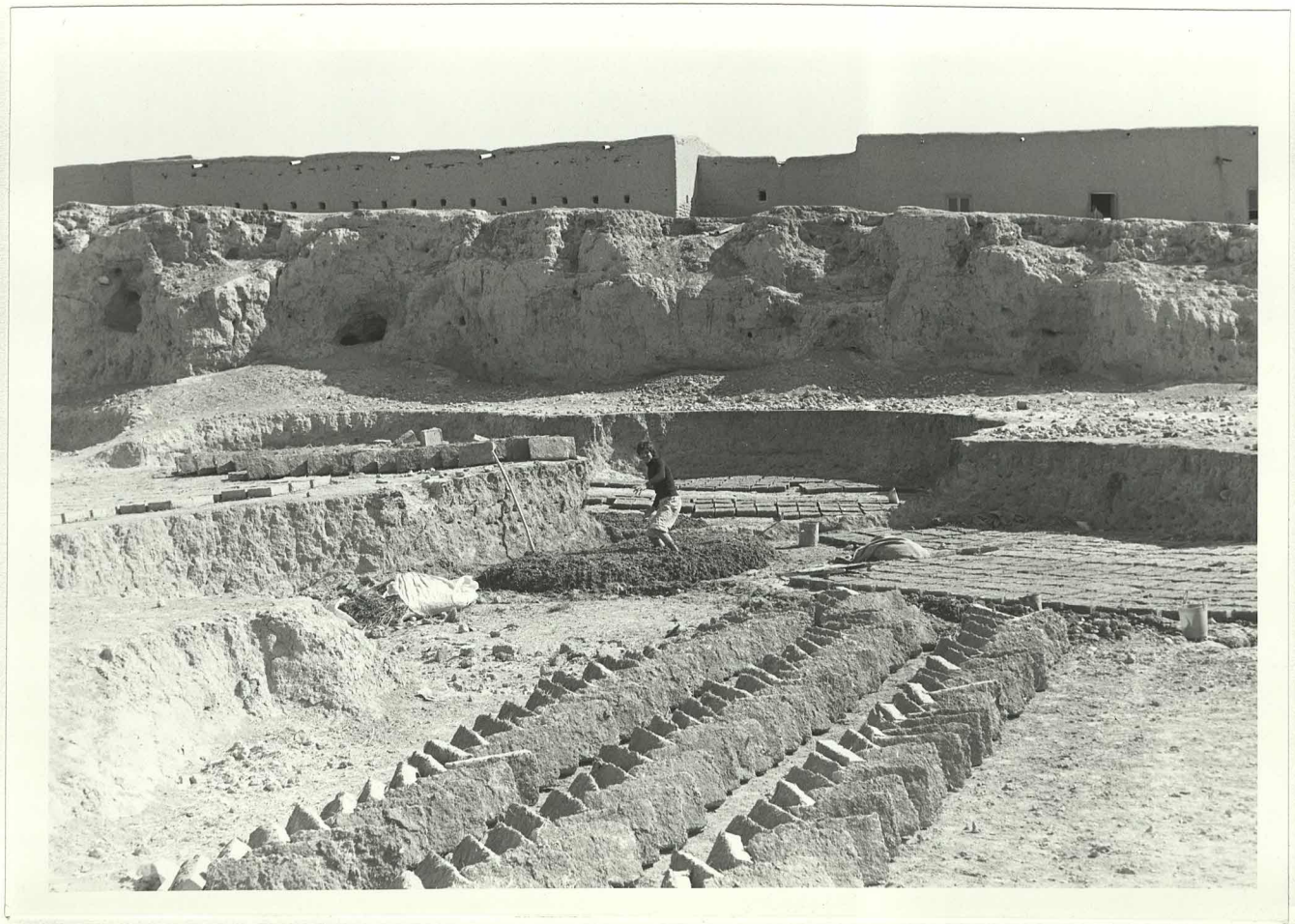


Fig. 11



Fig. 12



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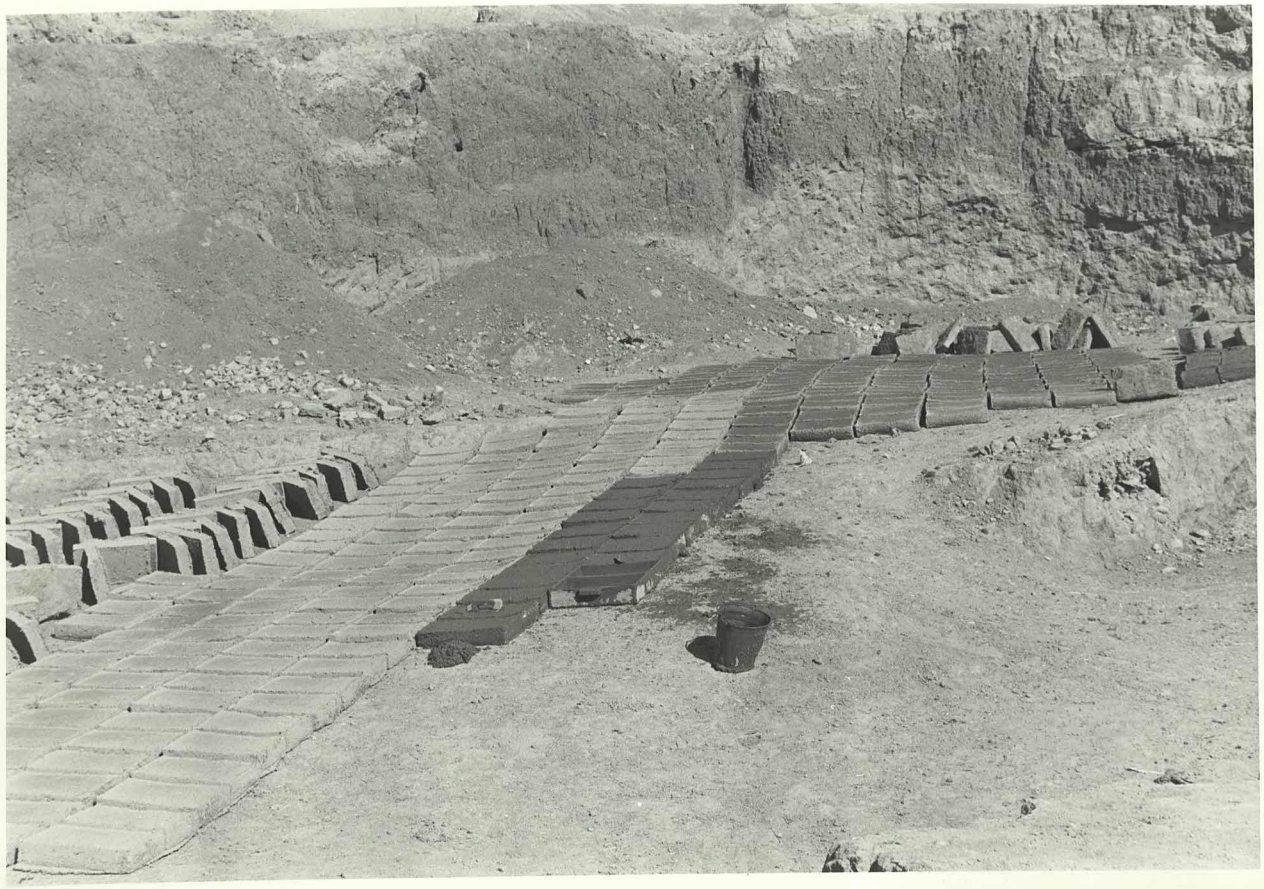

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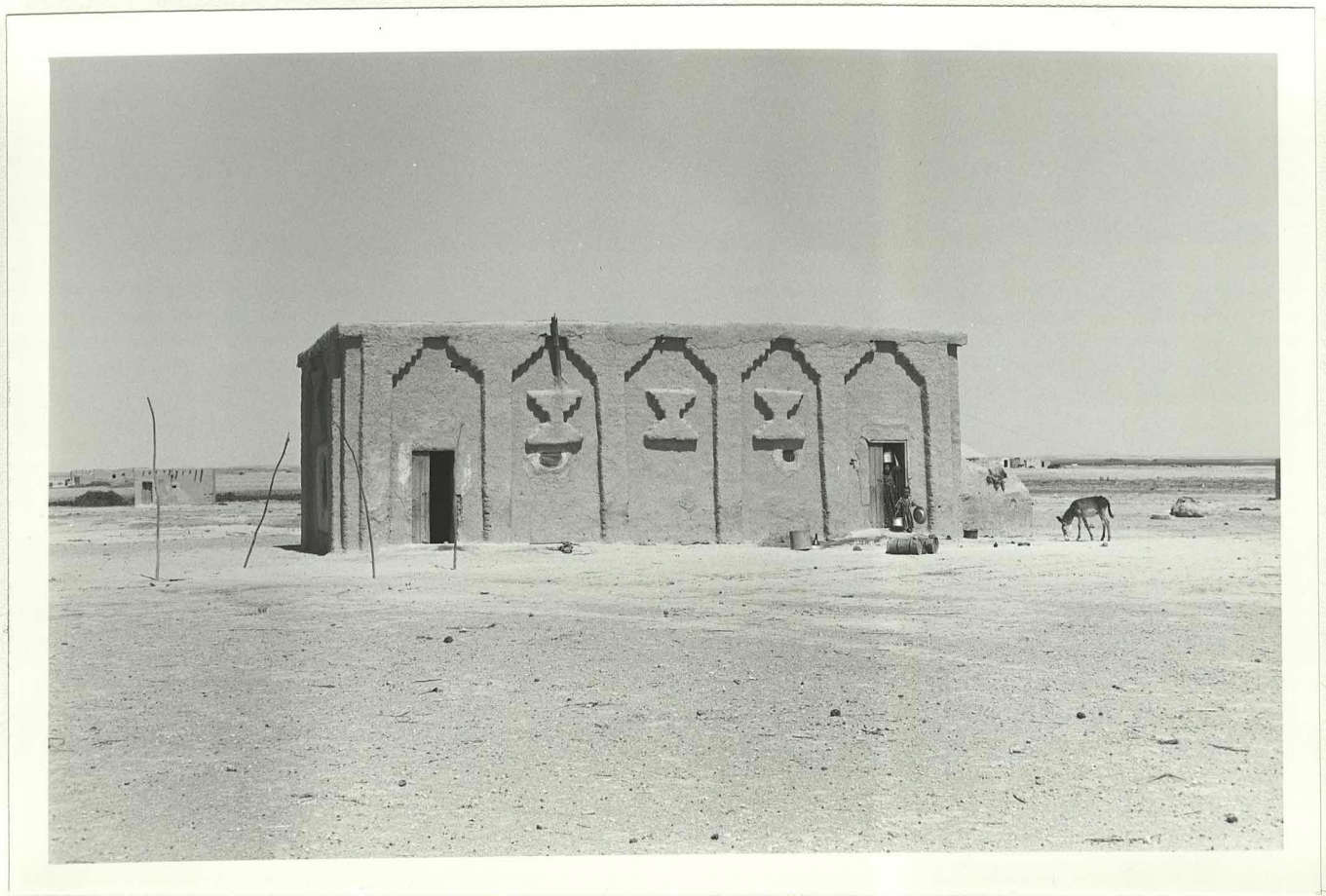

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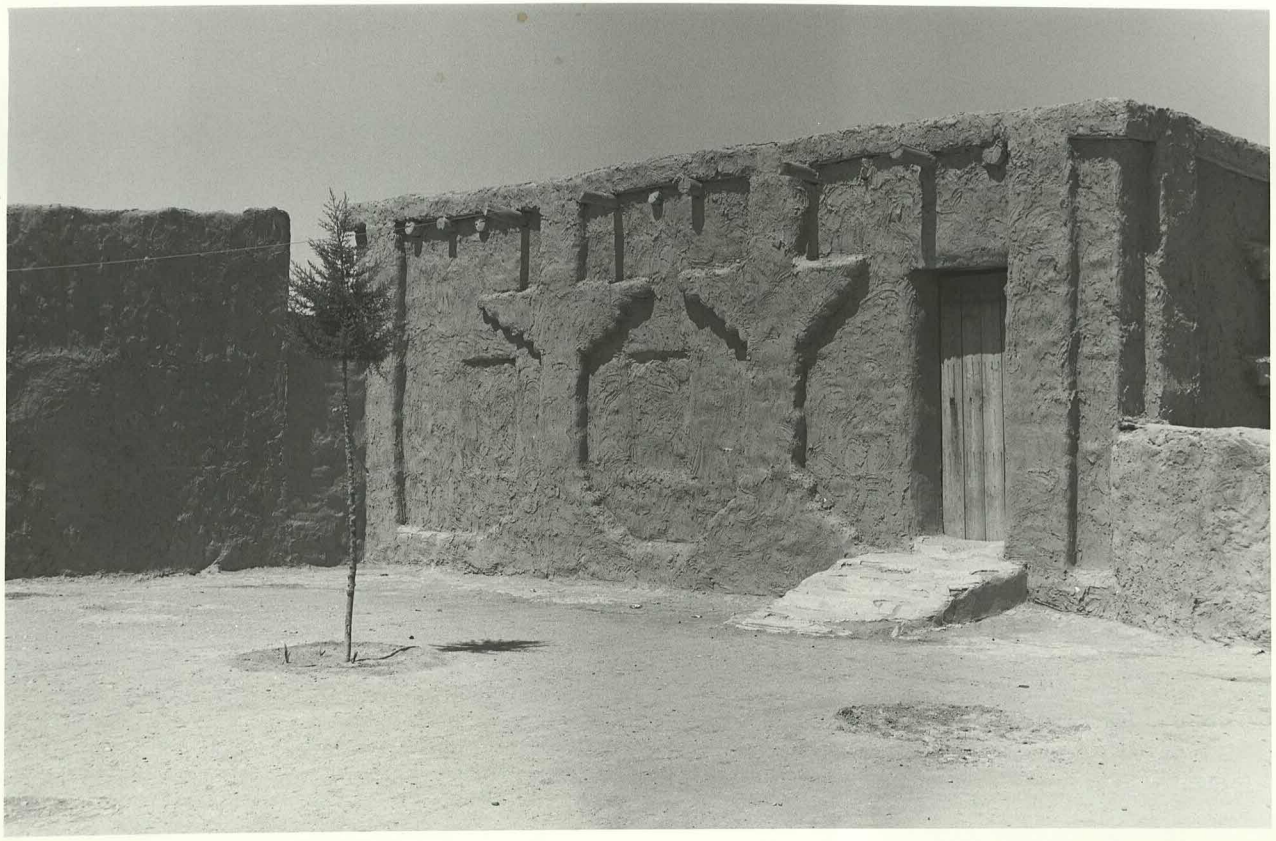

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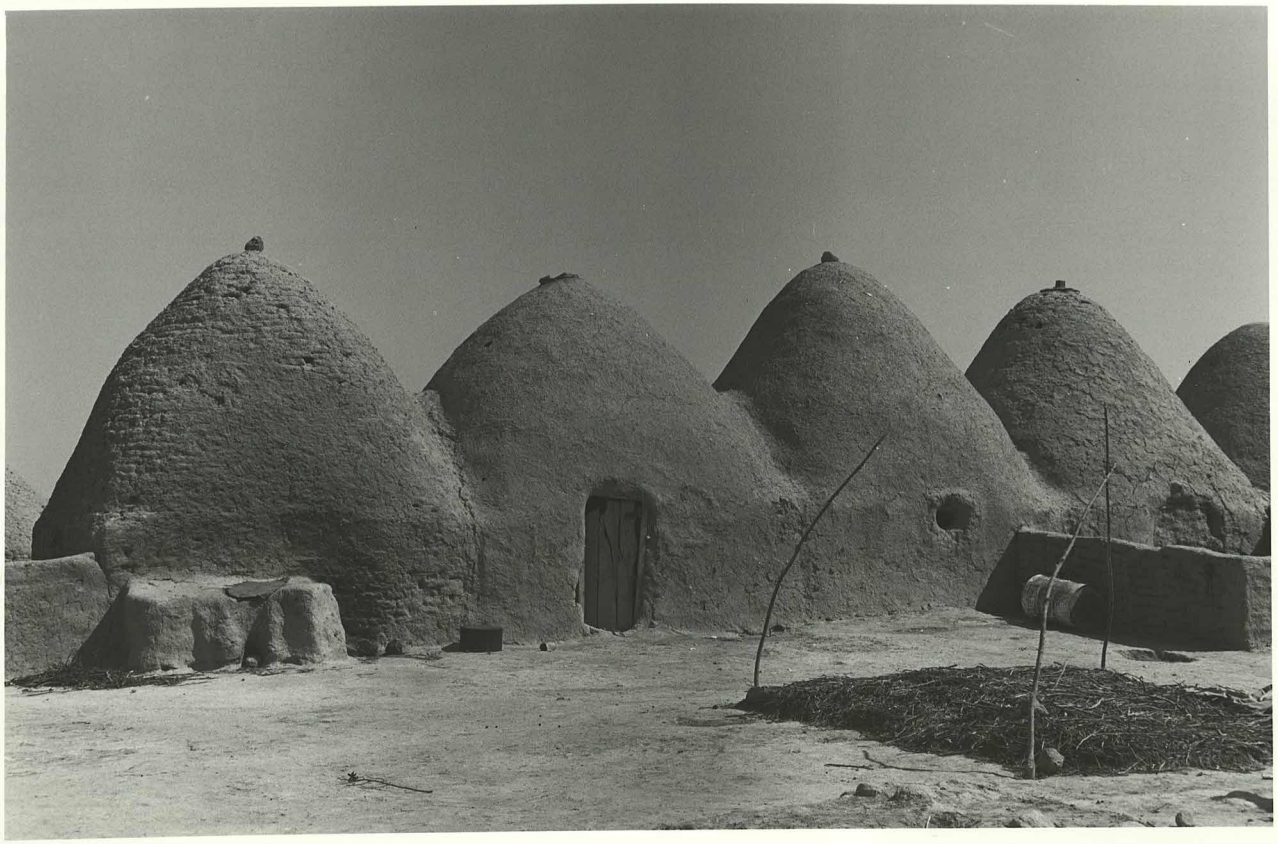

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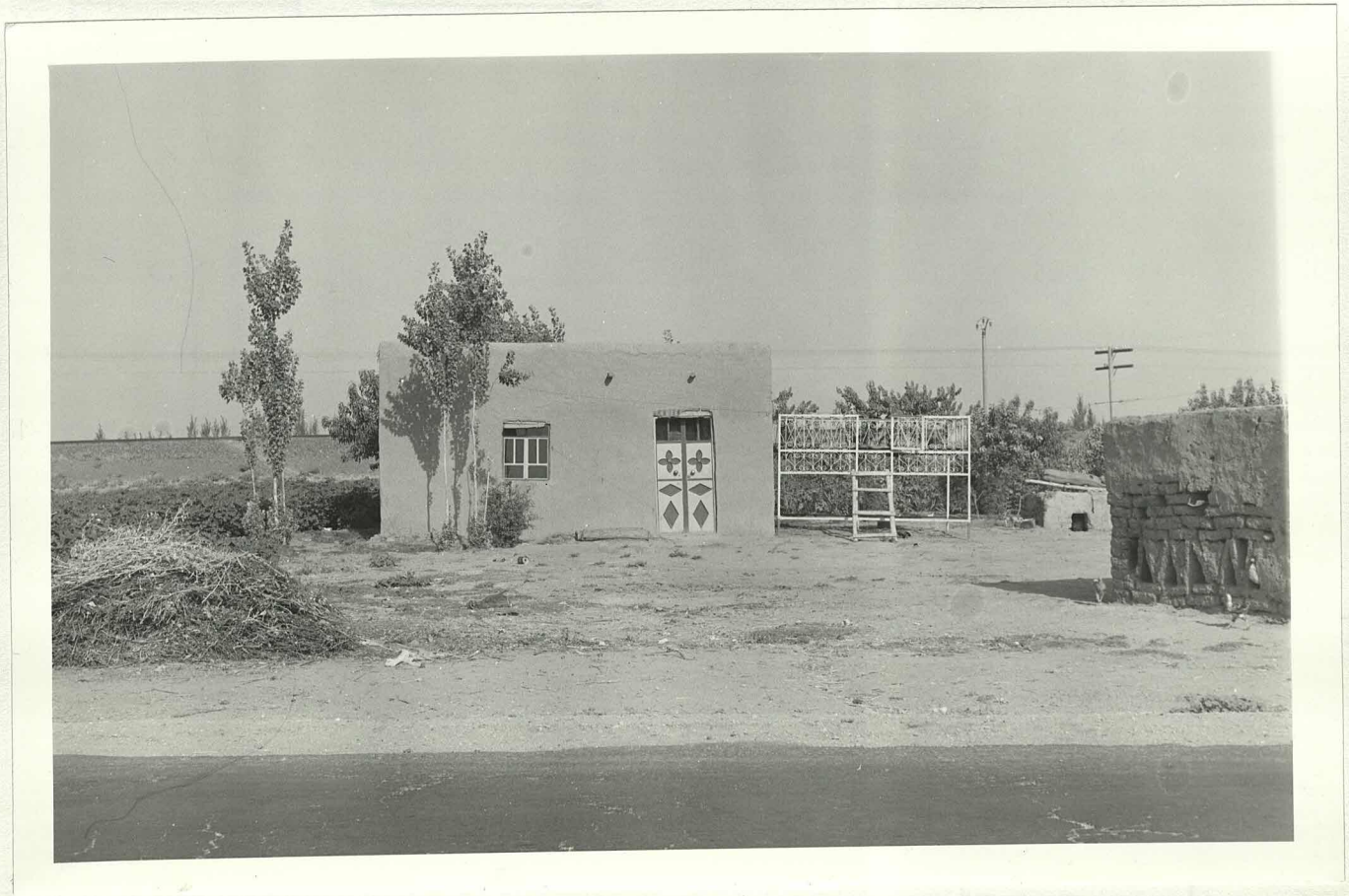

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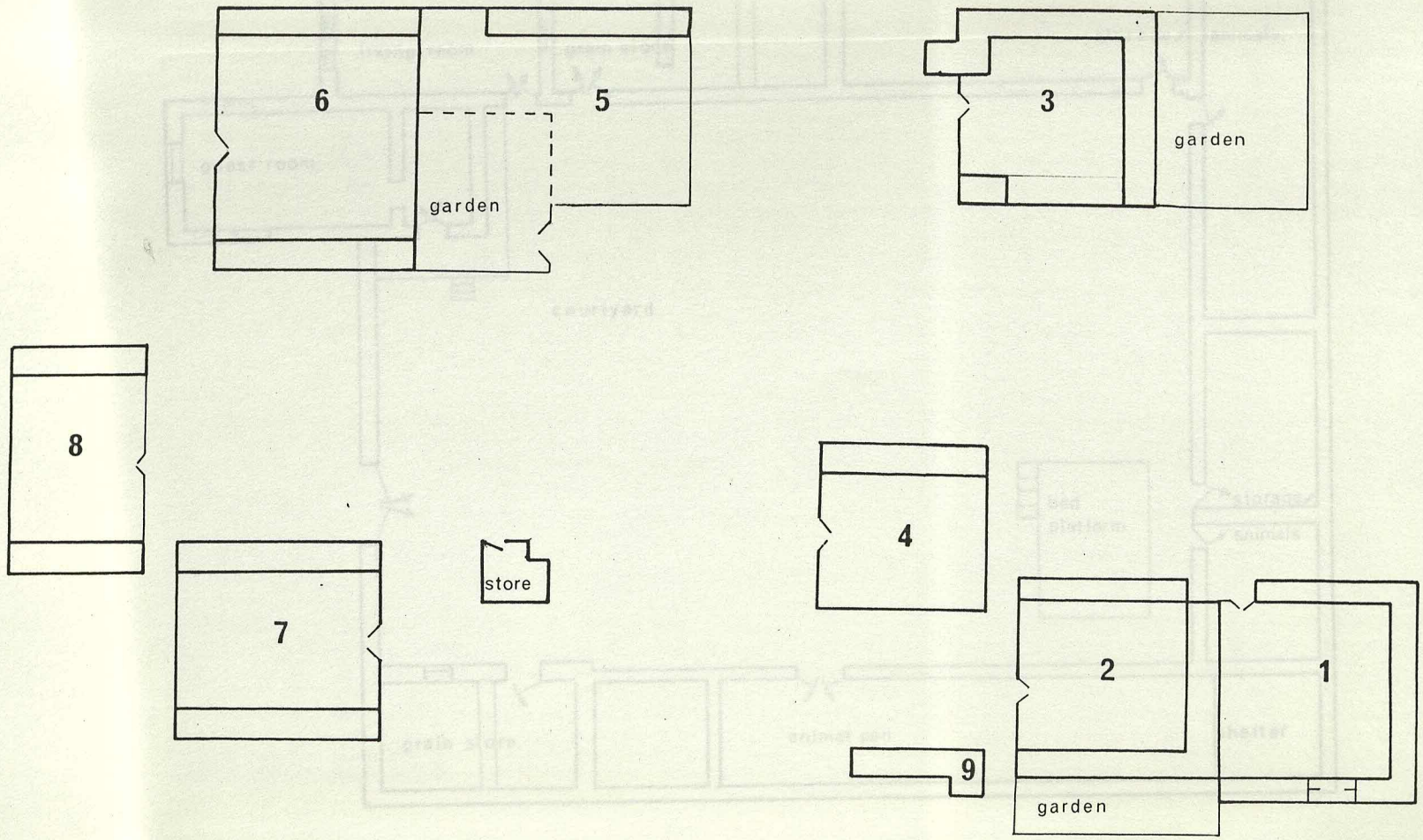

N
6
5
garden
3
garden
8
7
store
4
2
1
9
garden
10 5 0 10 20 30 40 50 M
KHESHUGA

Fig. 19.

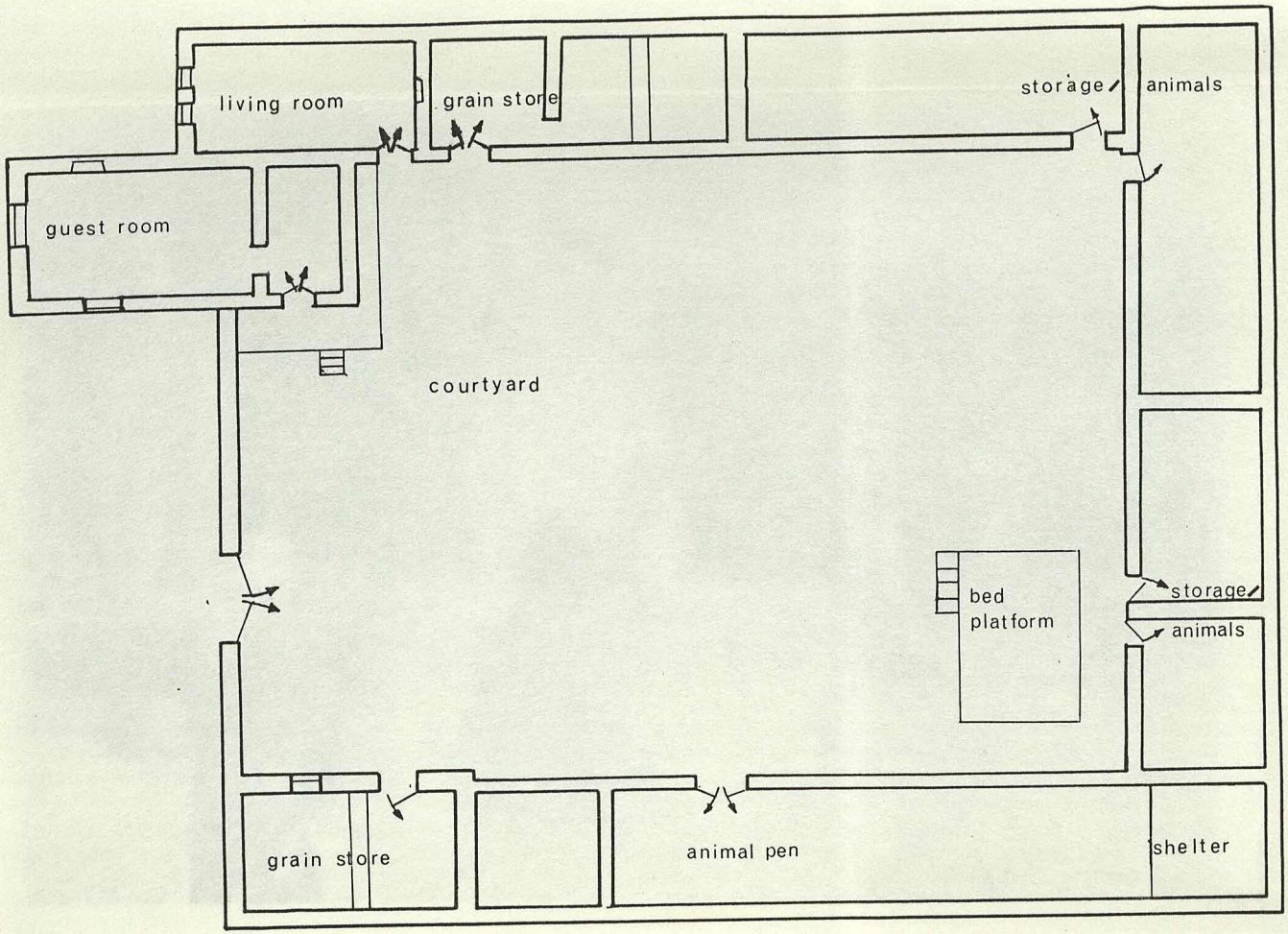
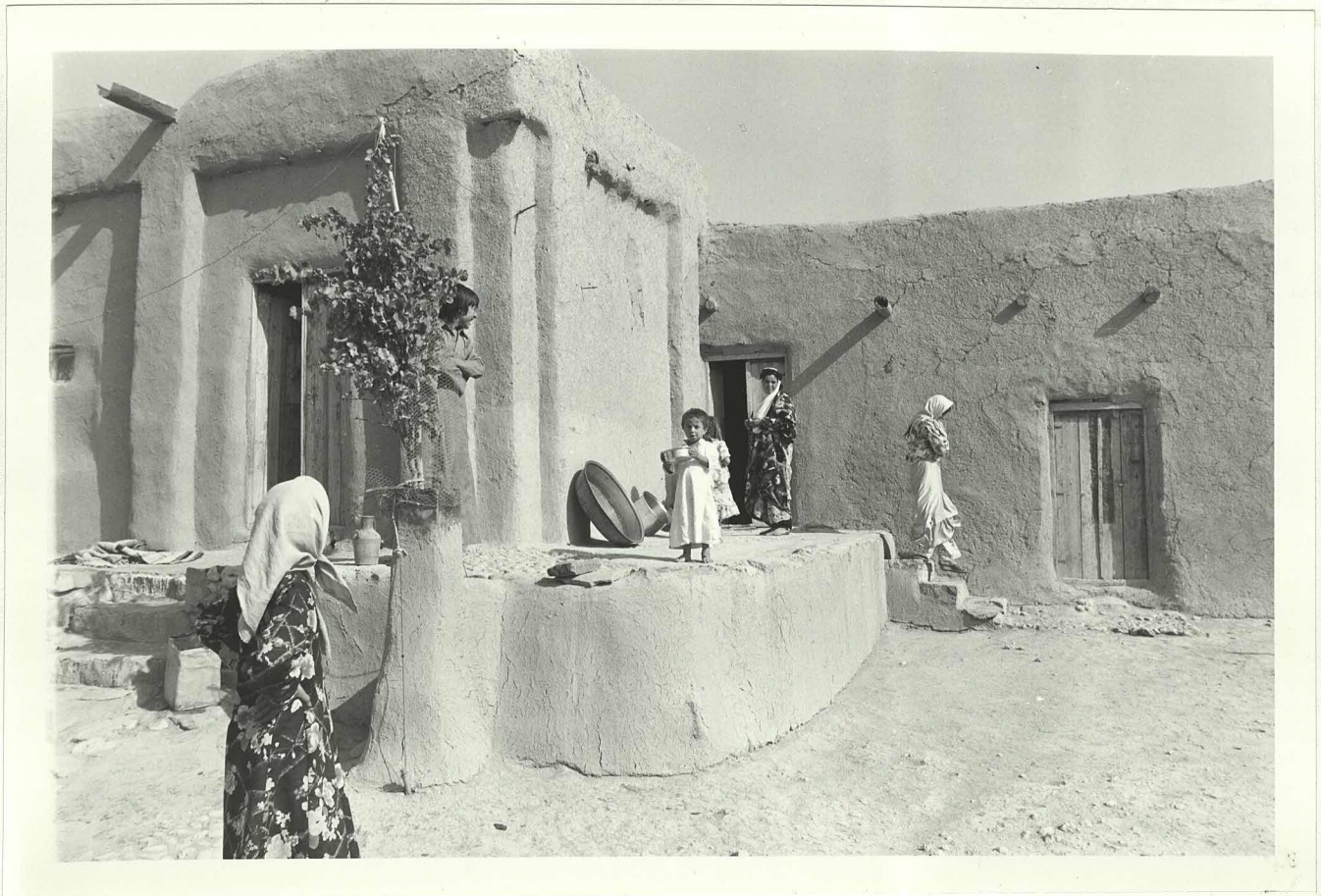

living room
grain store
storage
animals
guest room
courtyard
bed
platform
storage
animals
grain store
animal pen
shelter
N
2 0 2 4 6 8 10 M
KHESHUGA HOUSE 3

Fig. 20.



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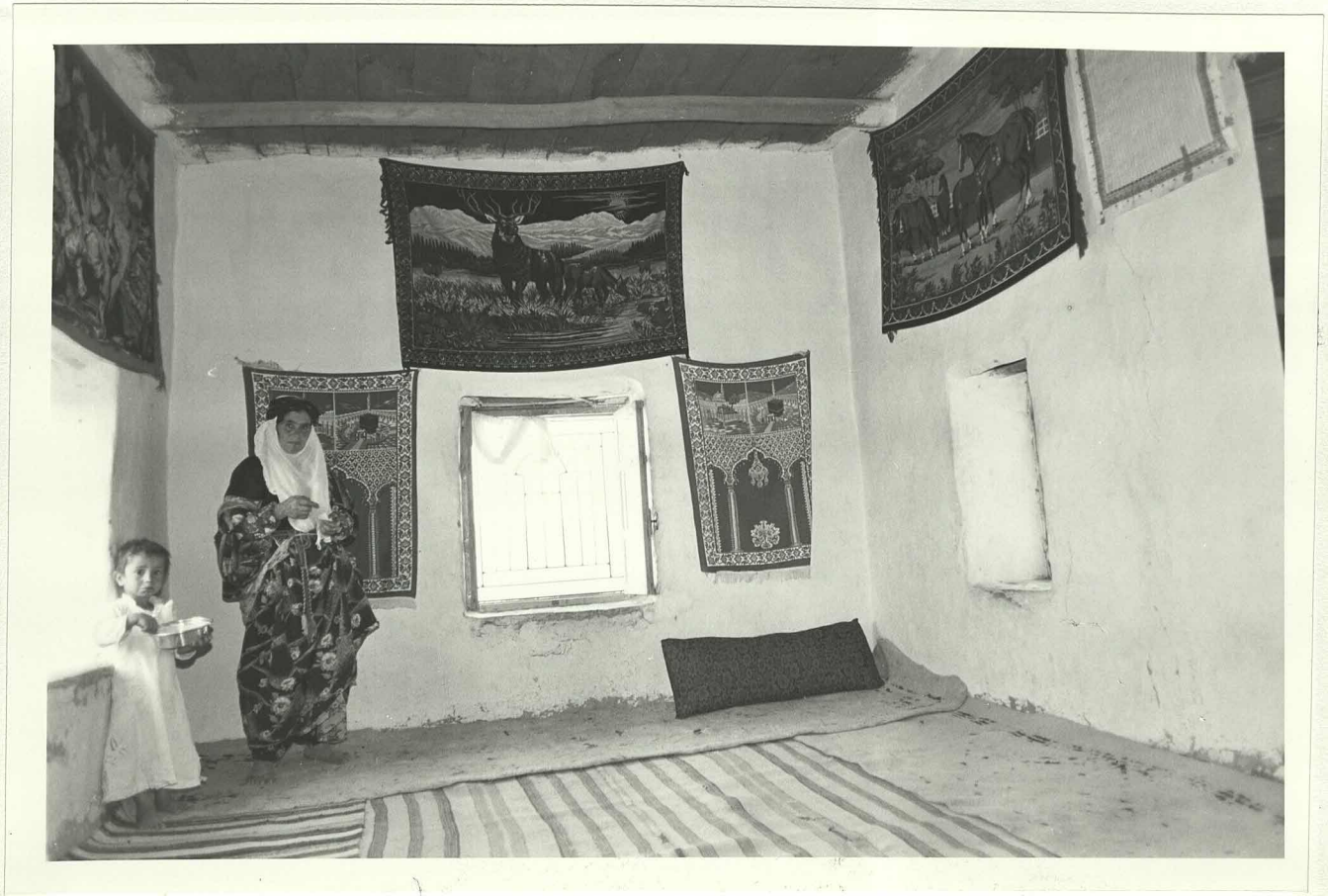
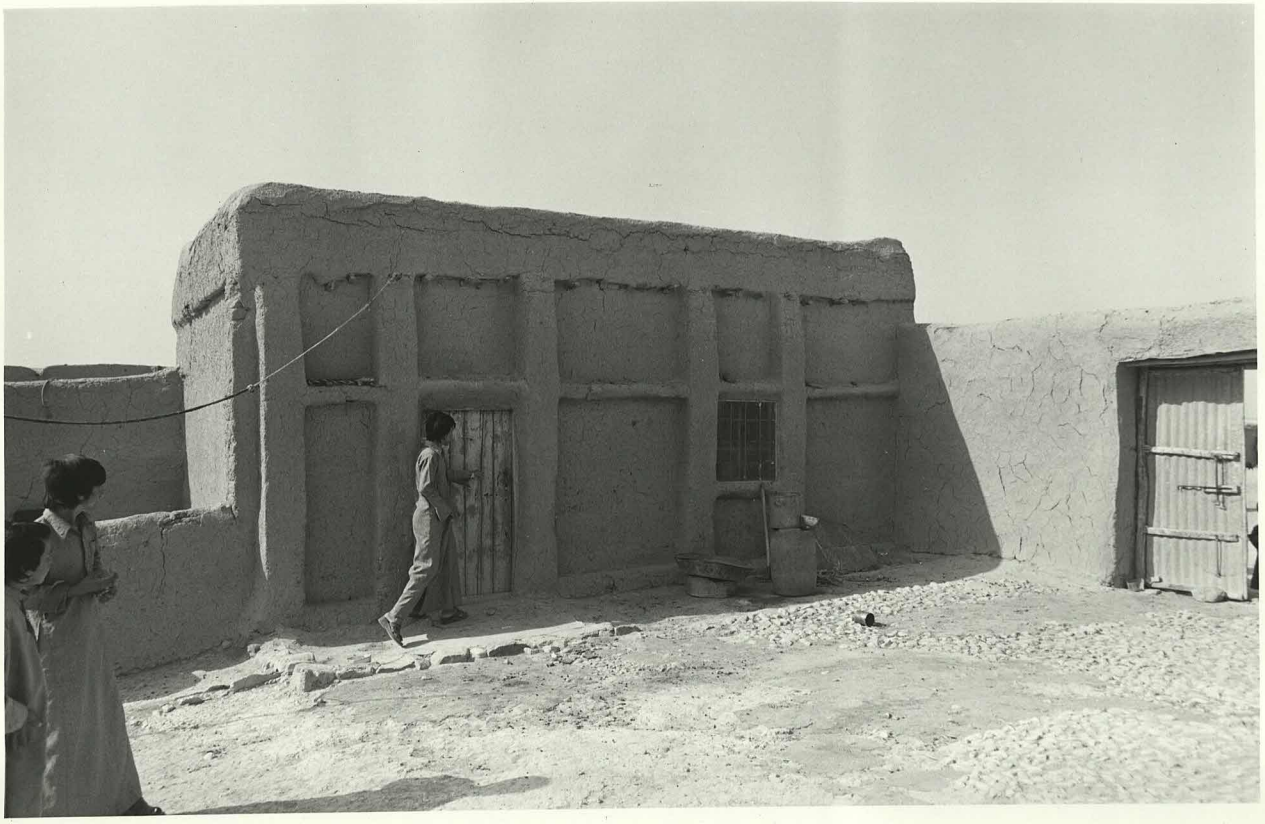


Fig. 22



Fig. 23



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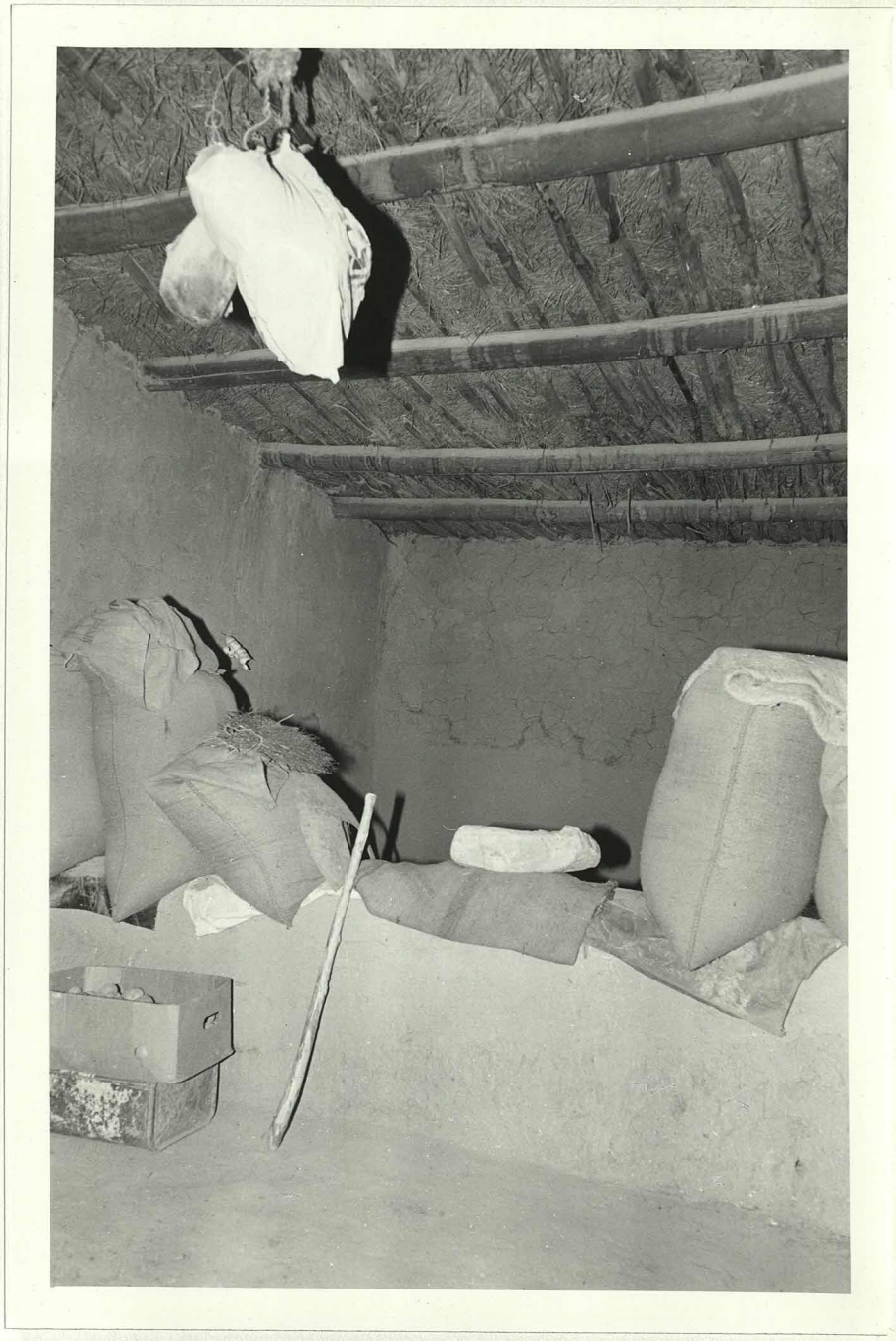

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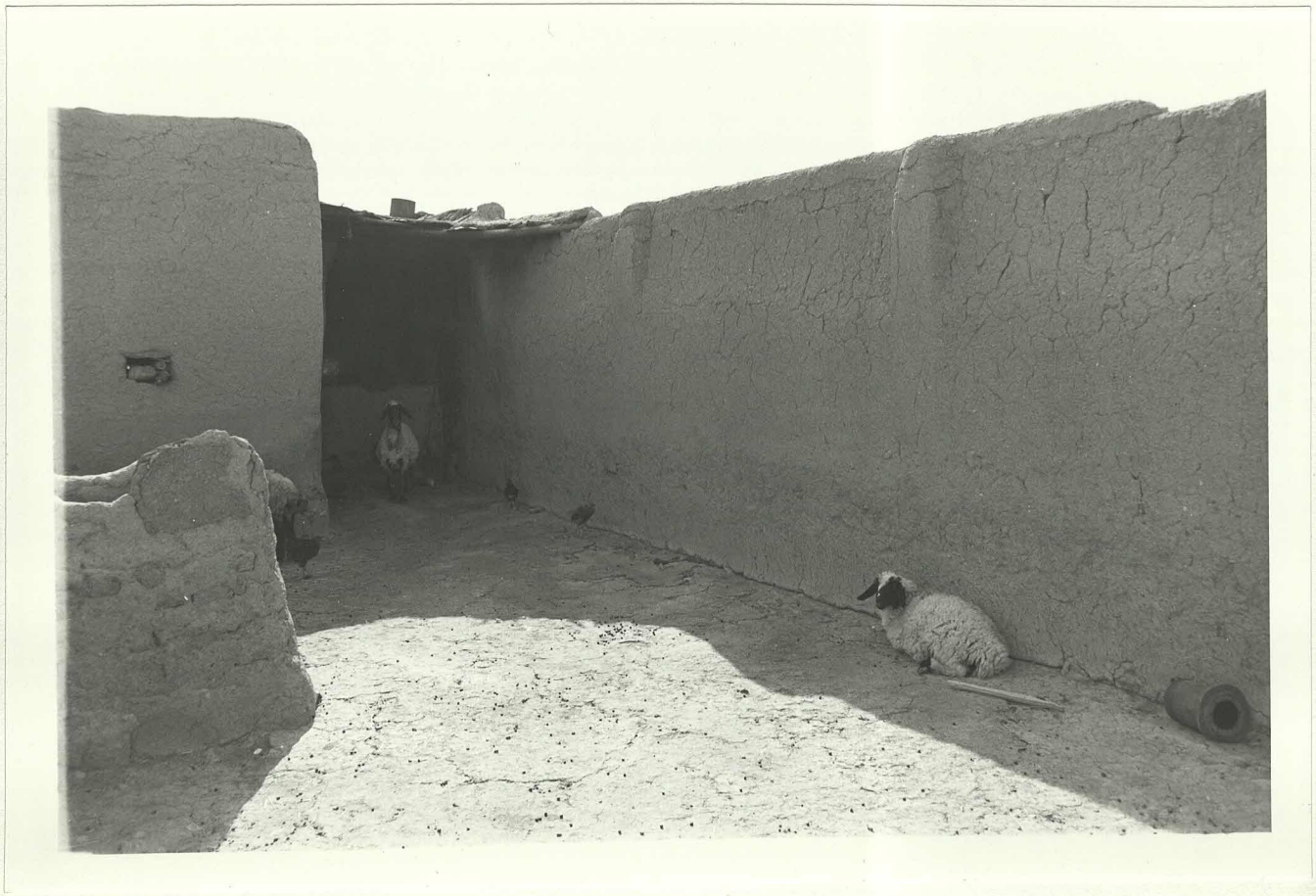

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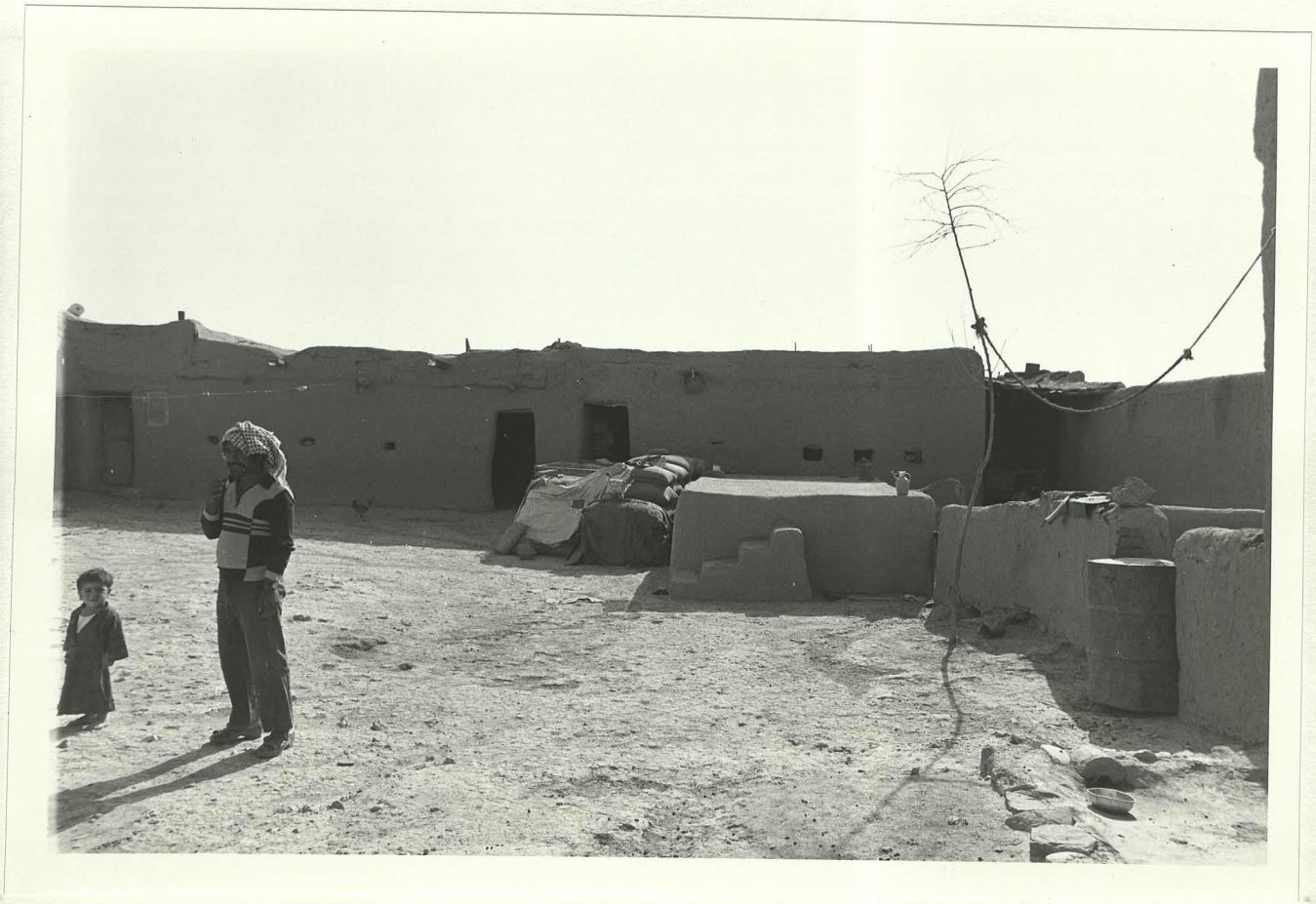

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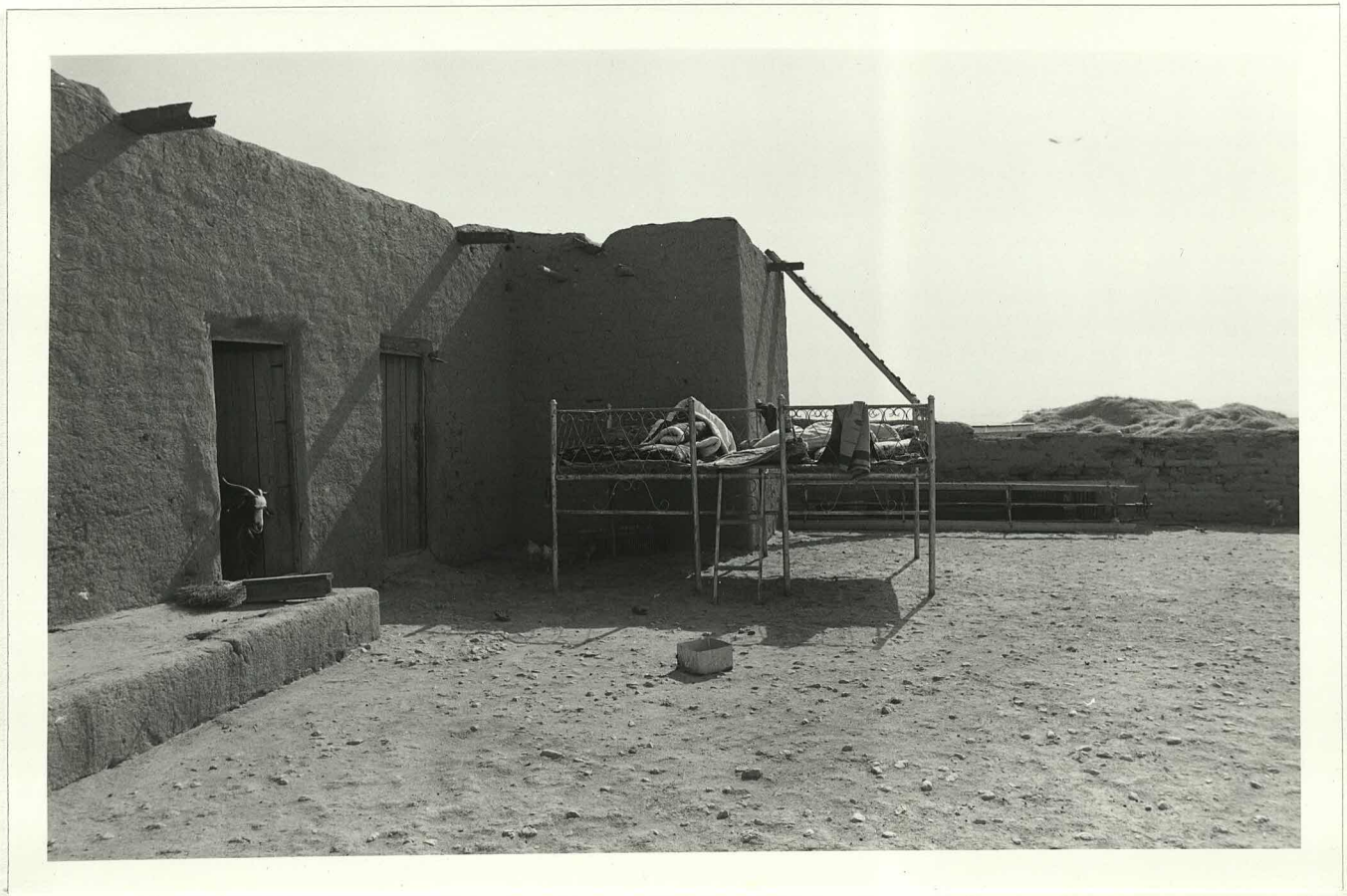

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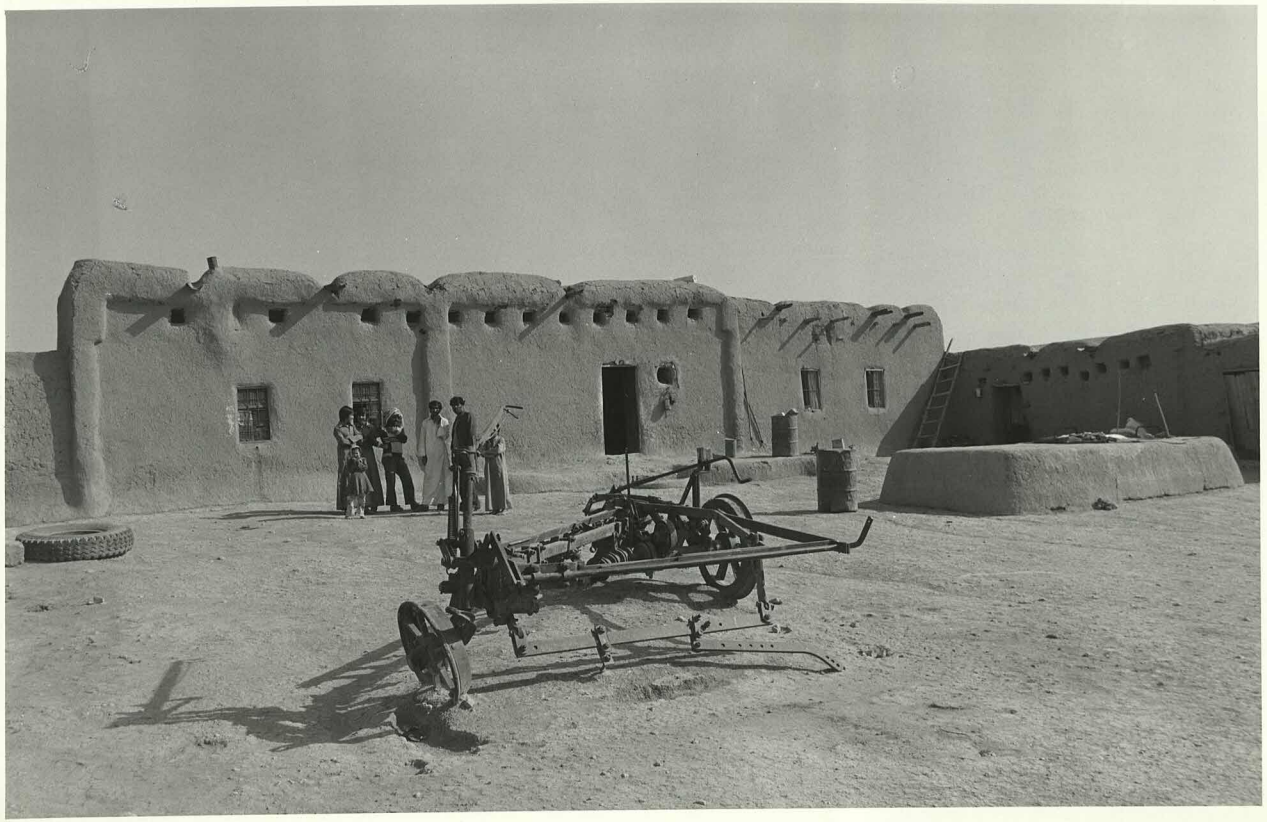

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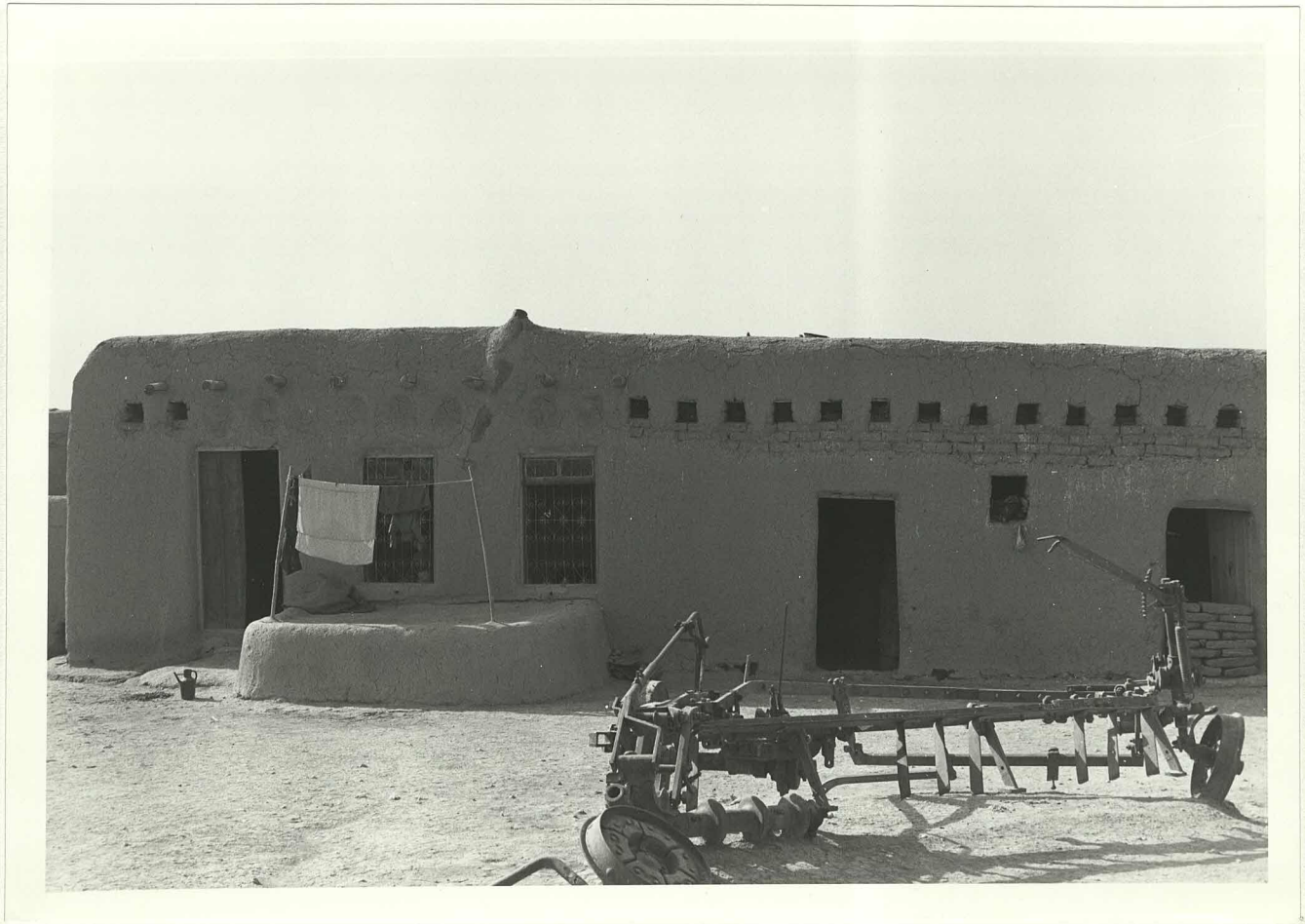

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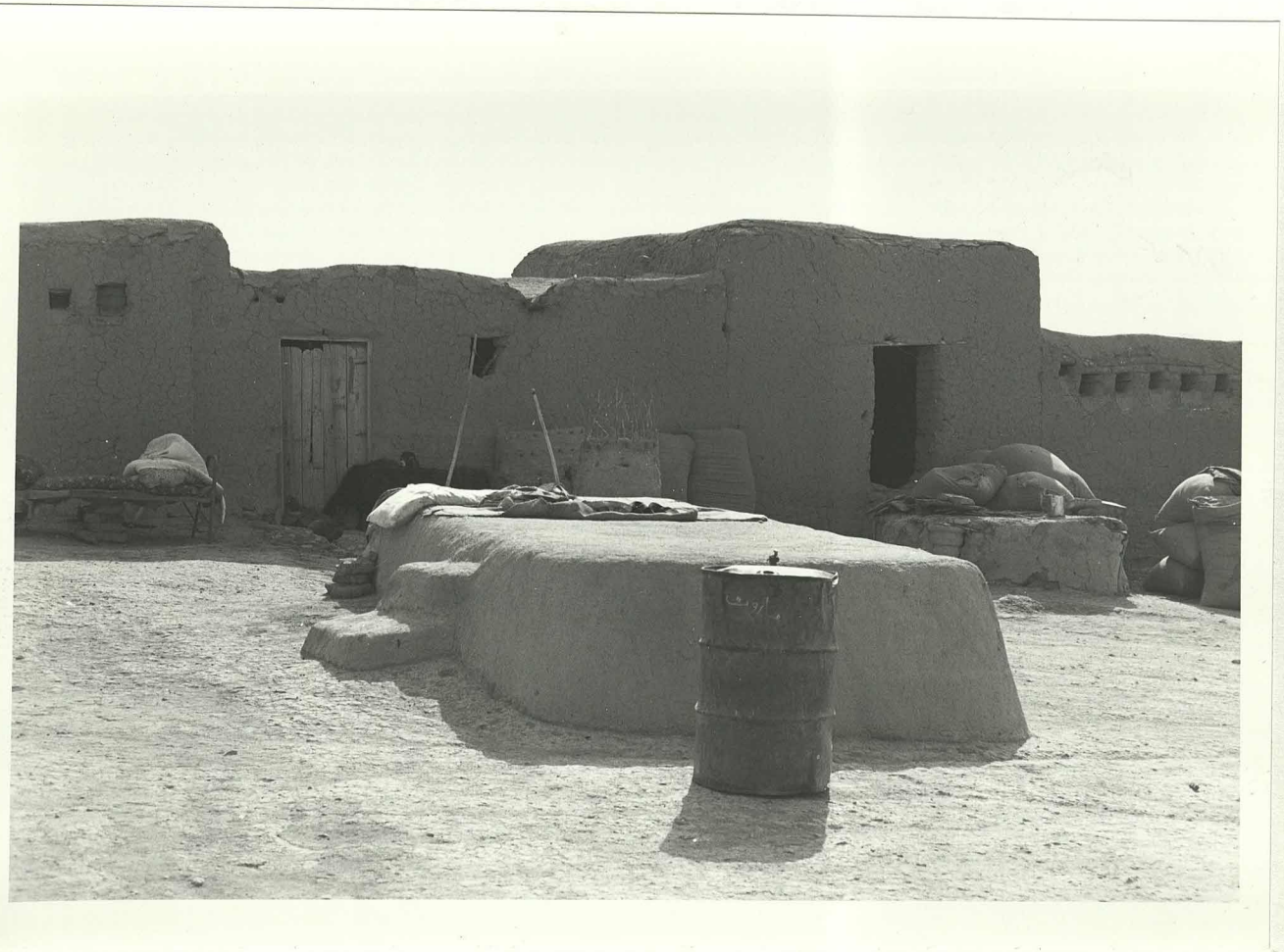

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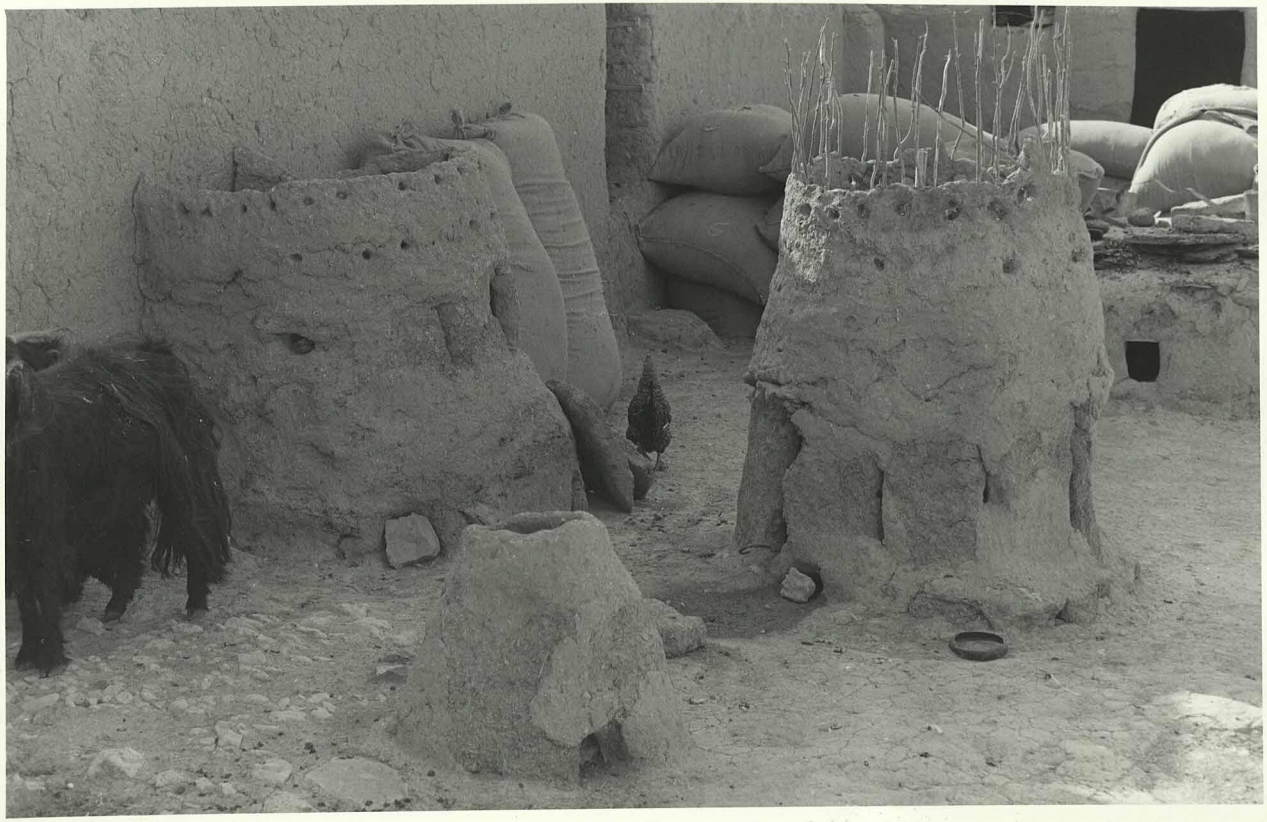

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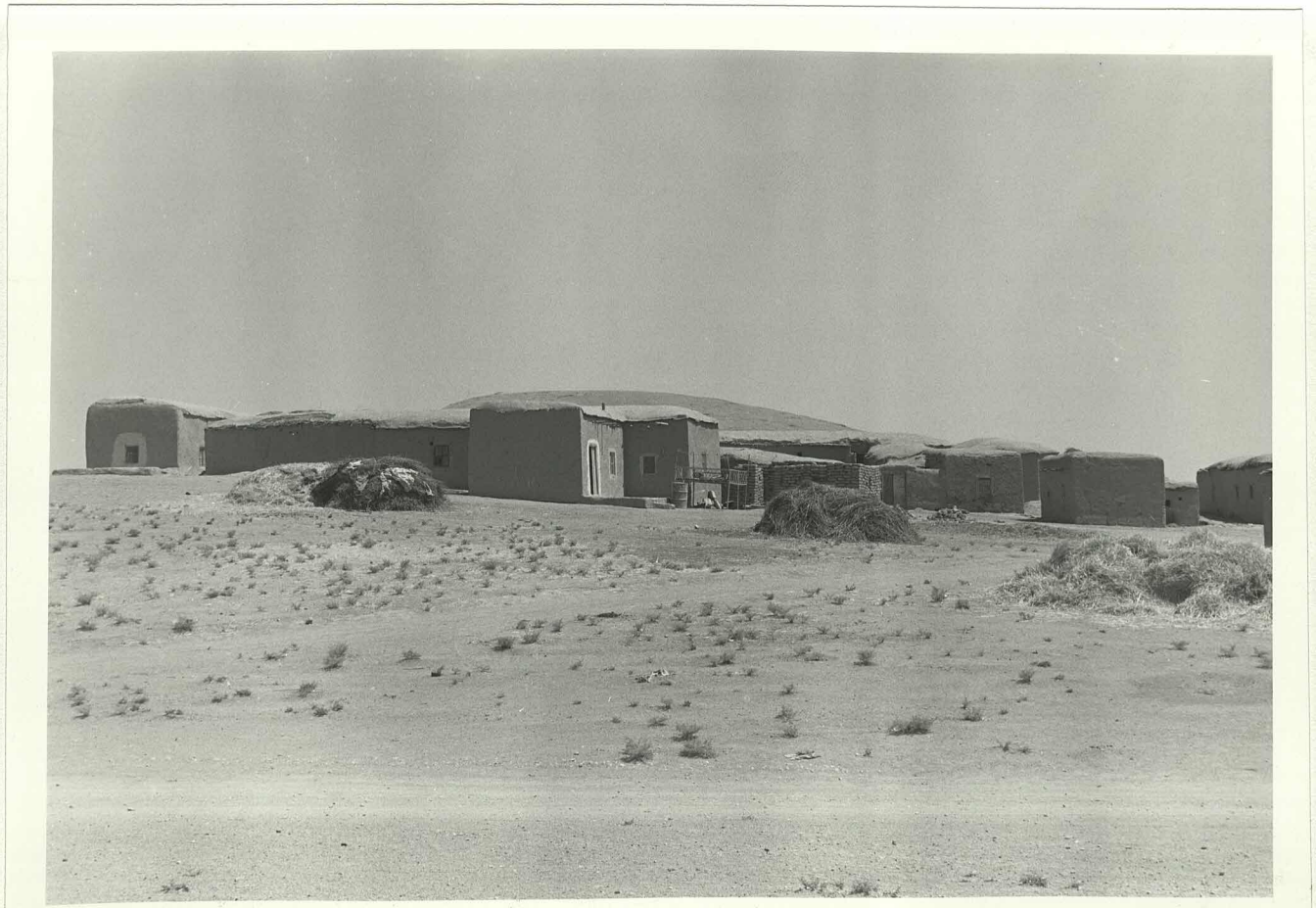


Fig. 33



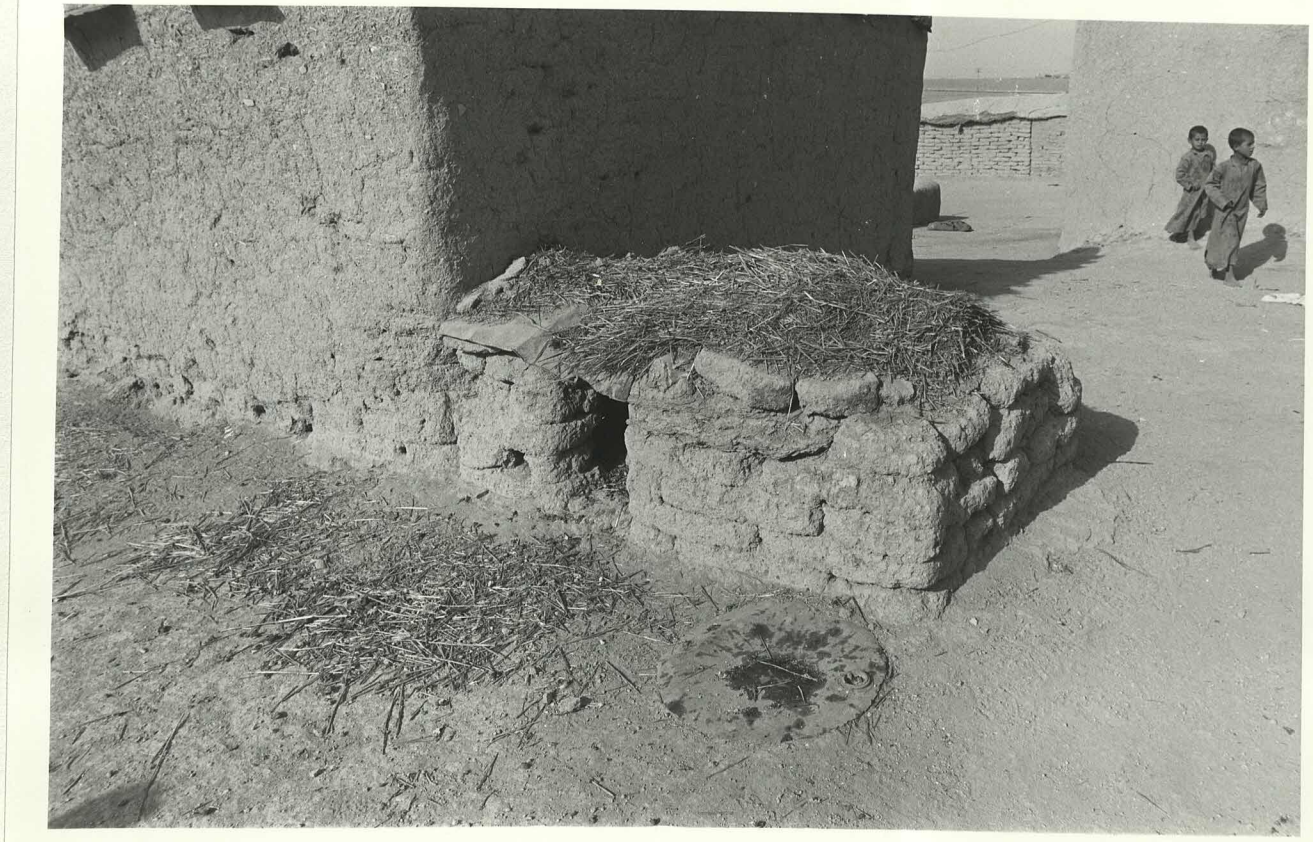
Fig. 34



Fig. 35



Fig. 36



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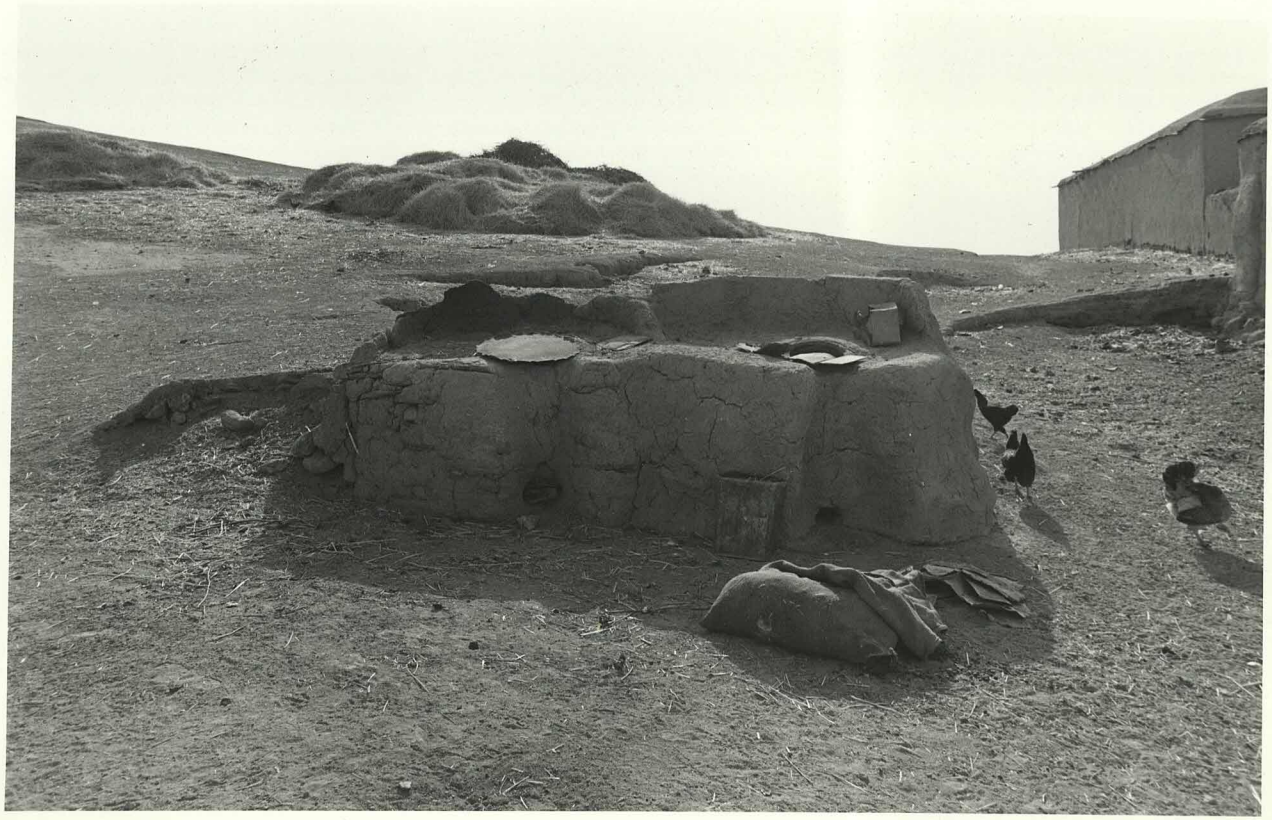


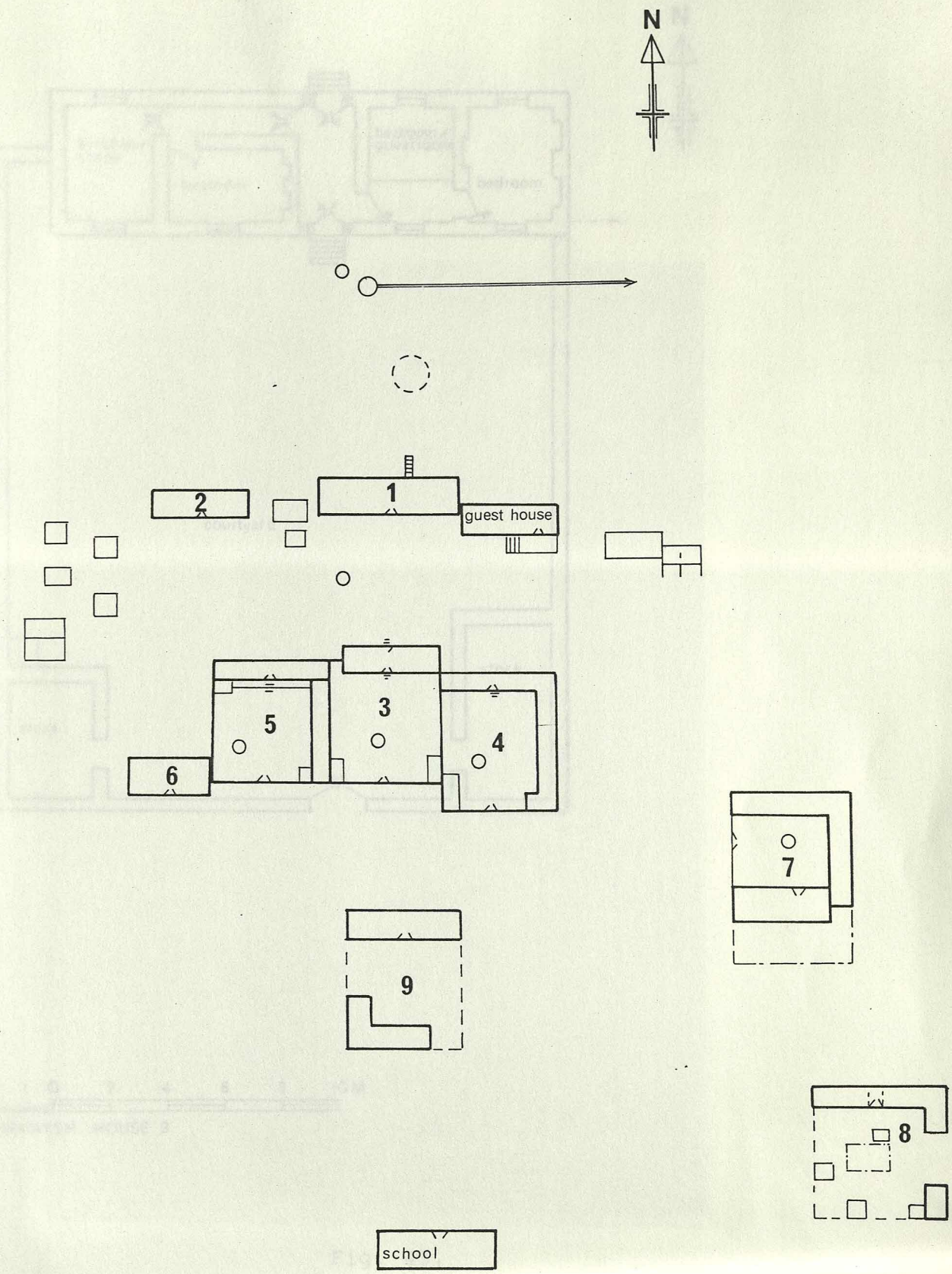
Fig. 39



Fig. 40



Fig. 41



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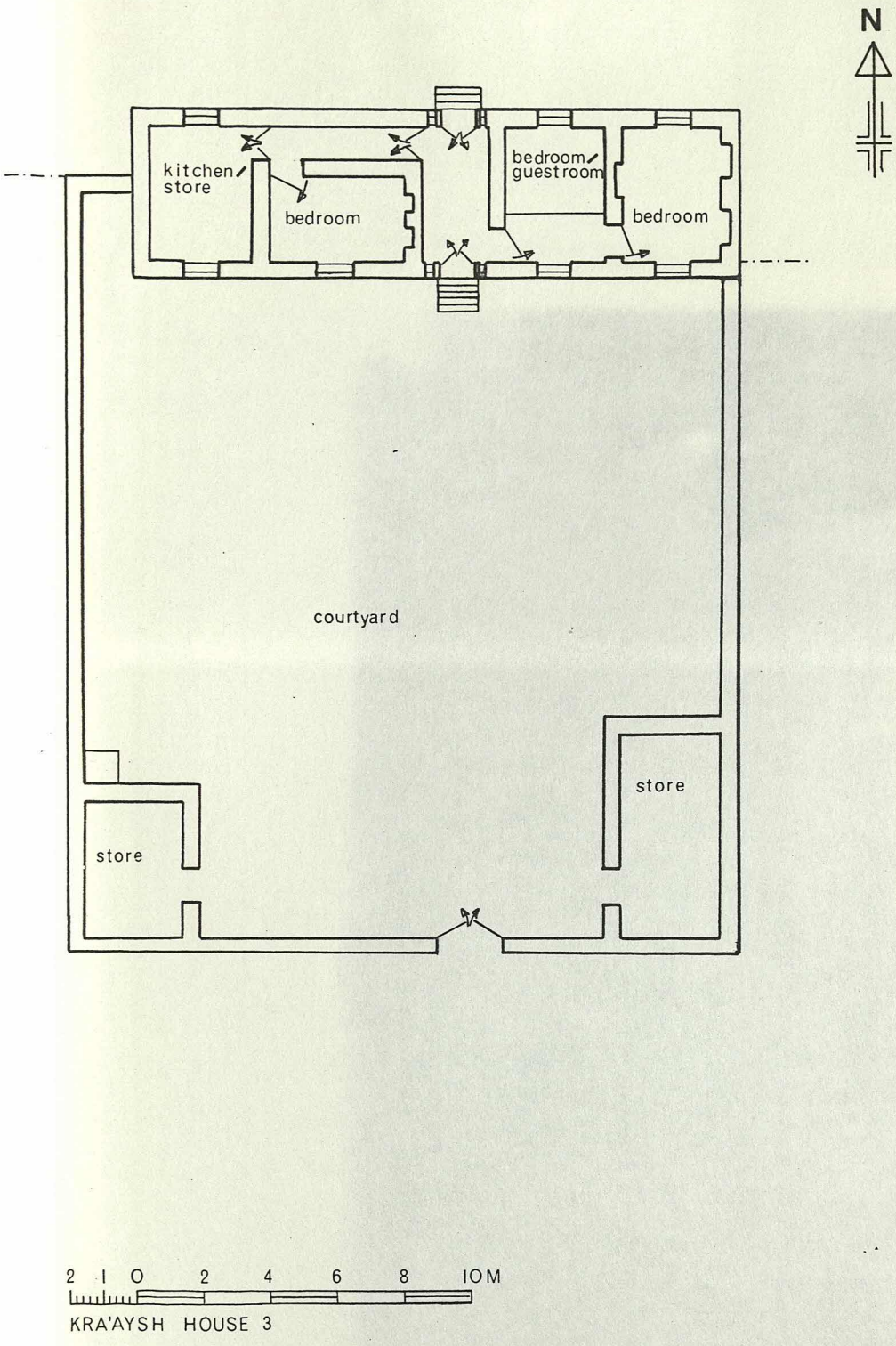

N
kitchen
store
bedroom
bedroom
guestroom
bedroom
courtyard
store
store
2 1 0 2 4 6 8 10M
KRA'AYSH HOUSE 3

Fig. 43.

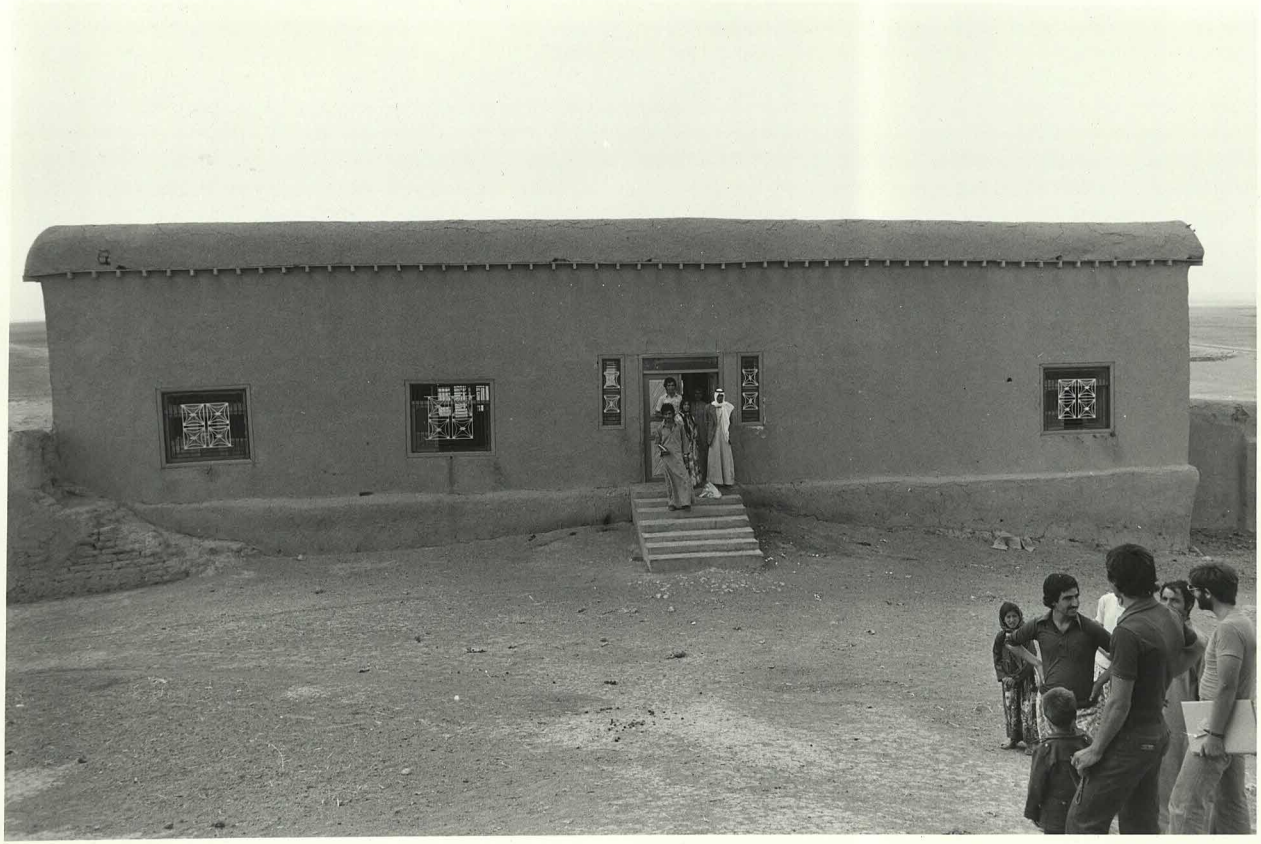


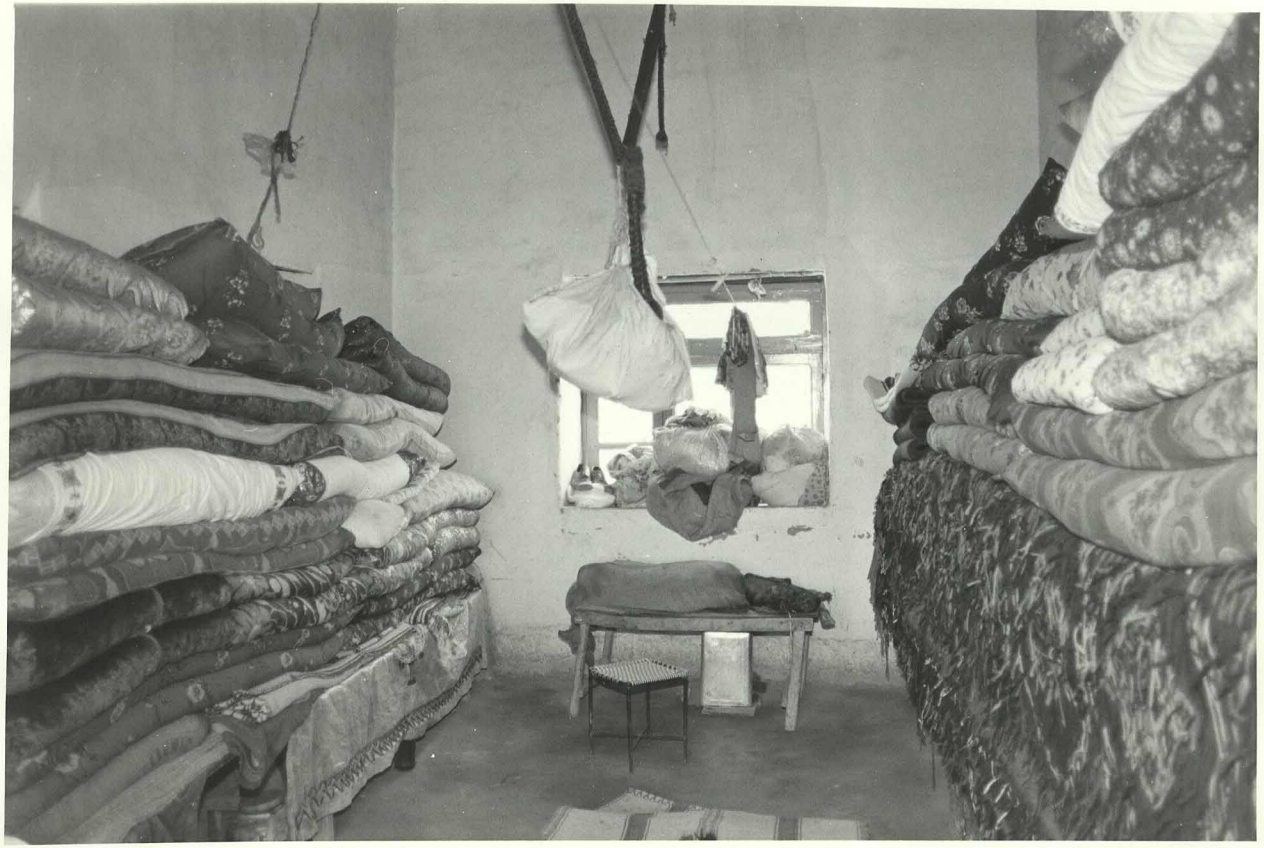
Fig. 44



Fig. 45



Fig. 46



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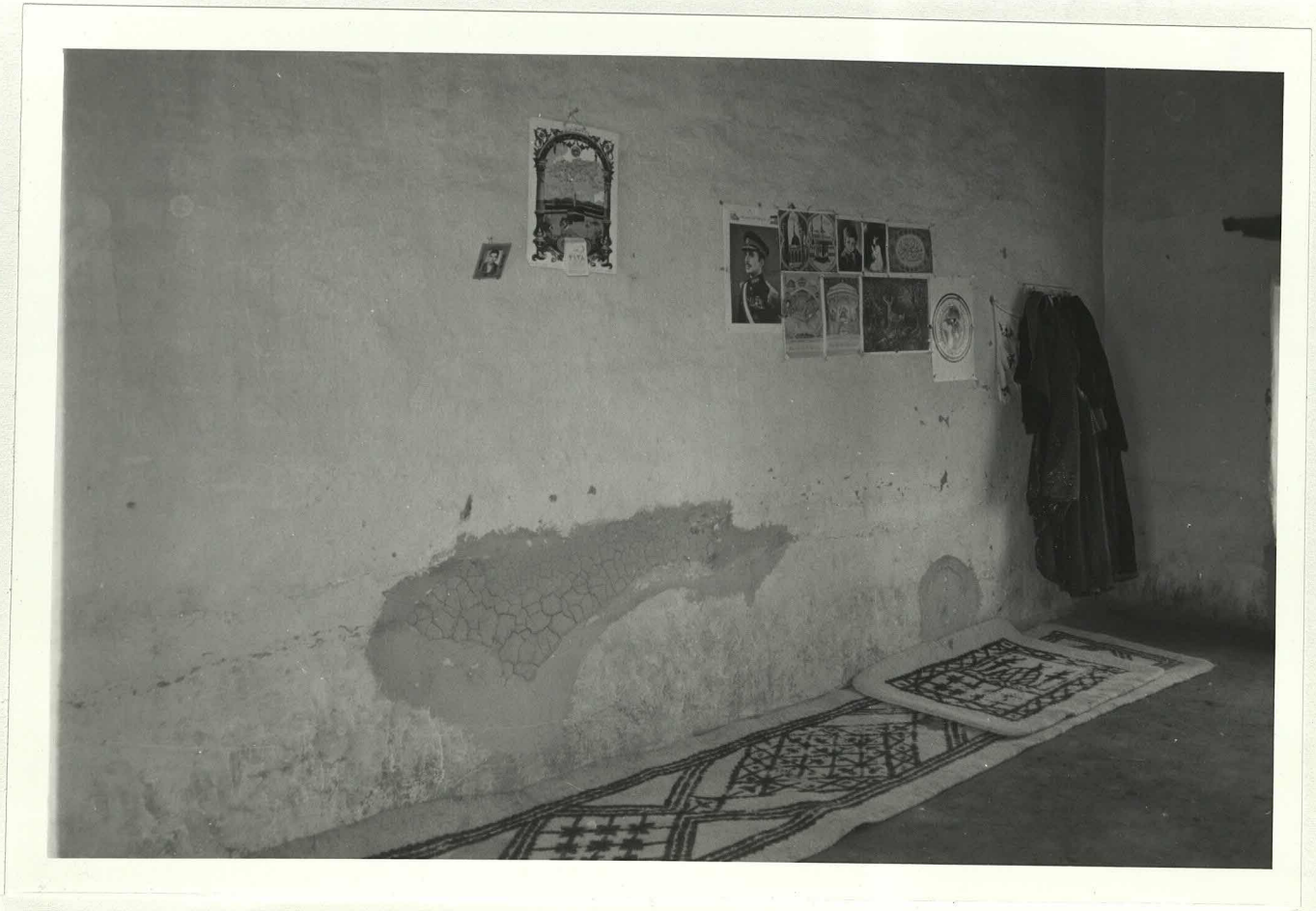

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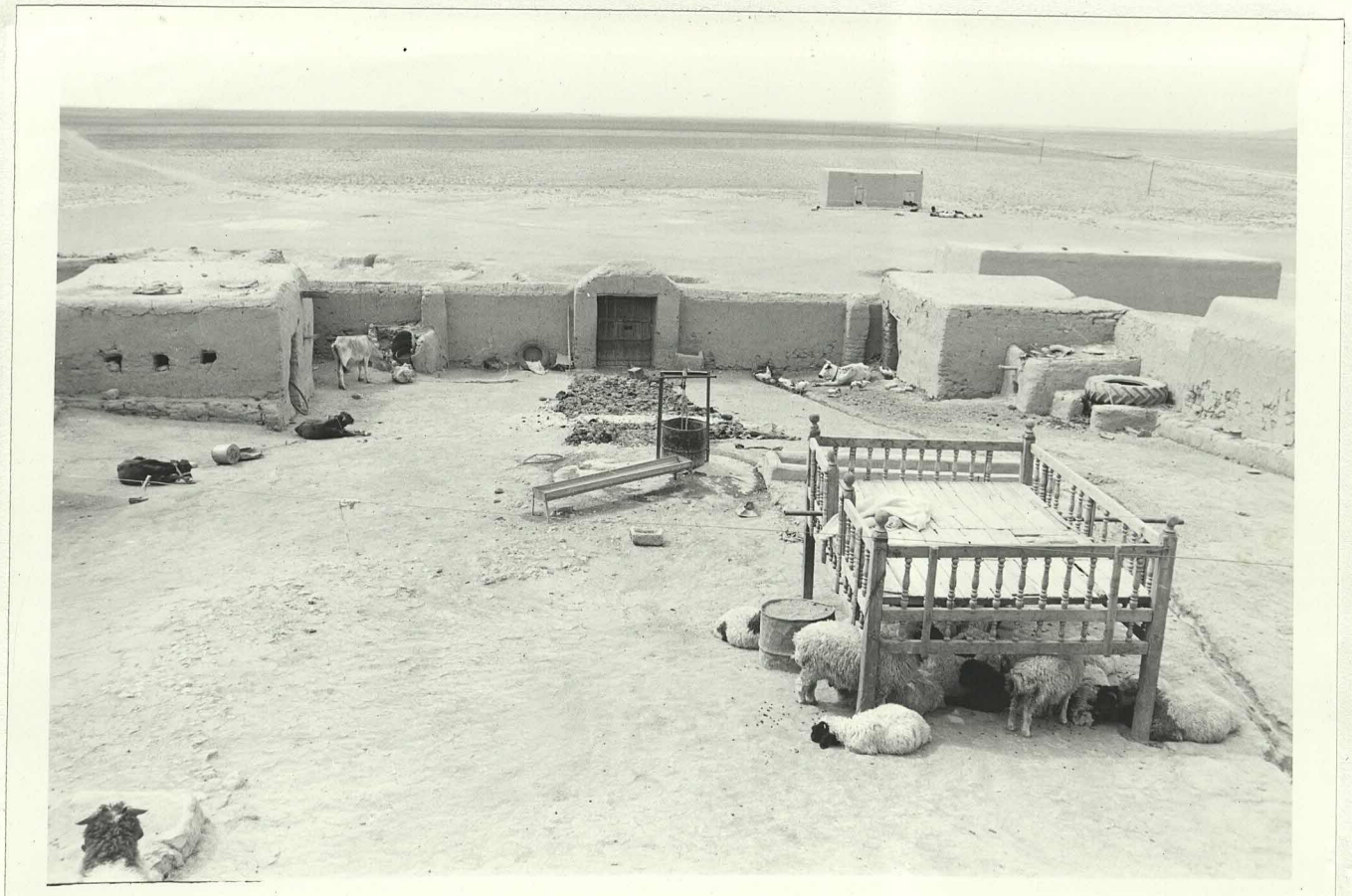


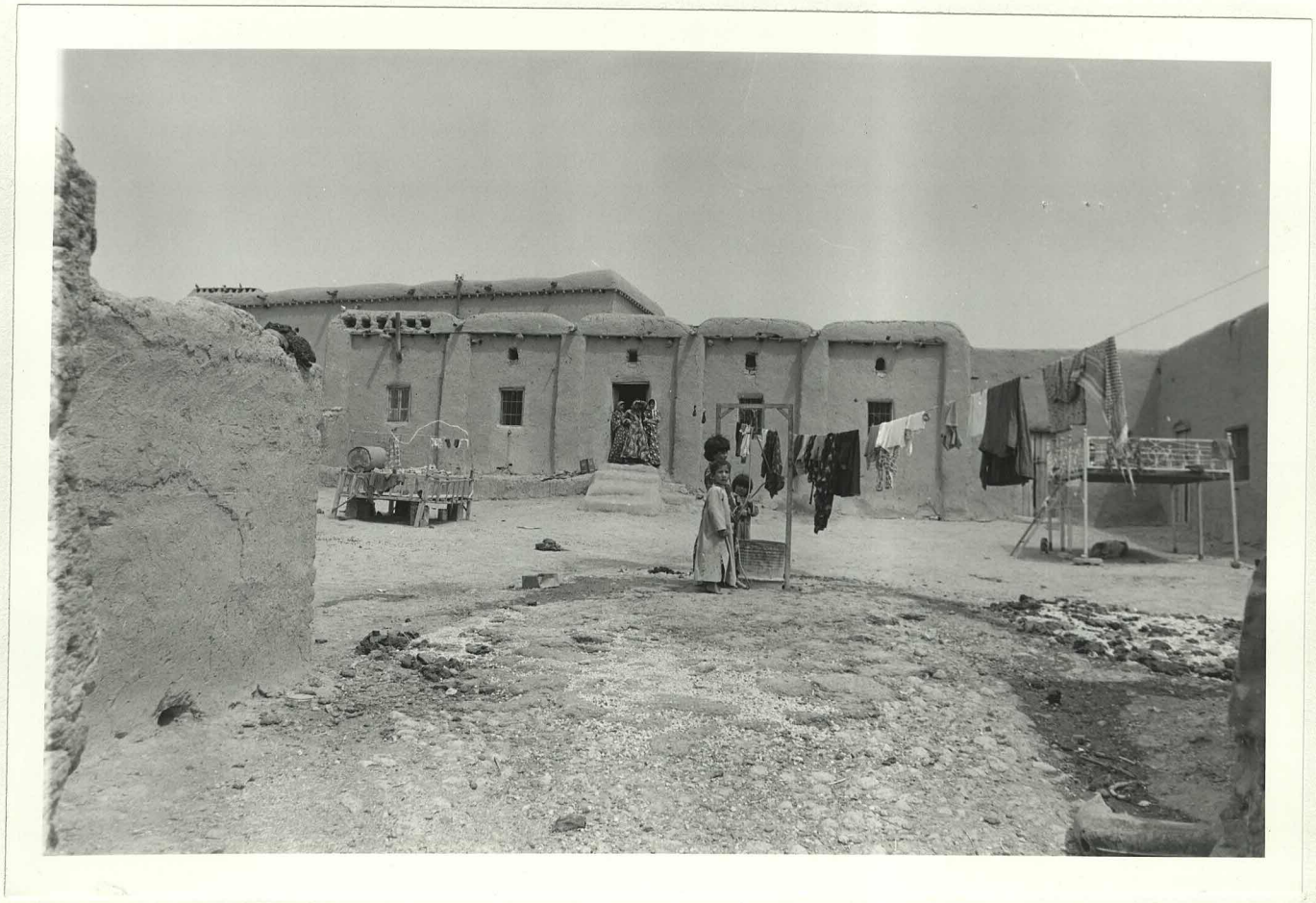
Fig. 49



Fig. 50



Fig. 51



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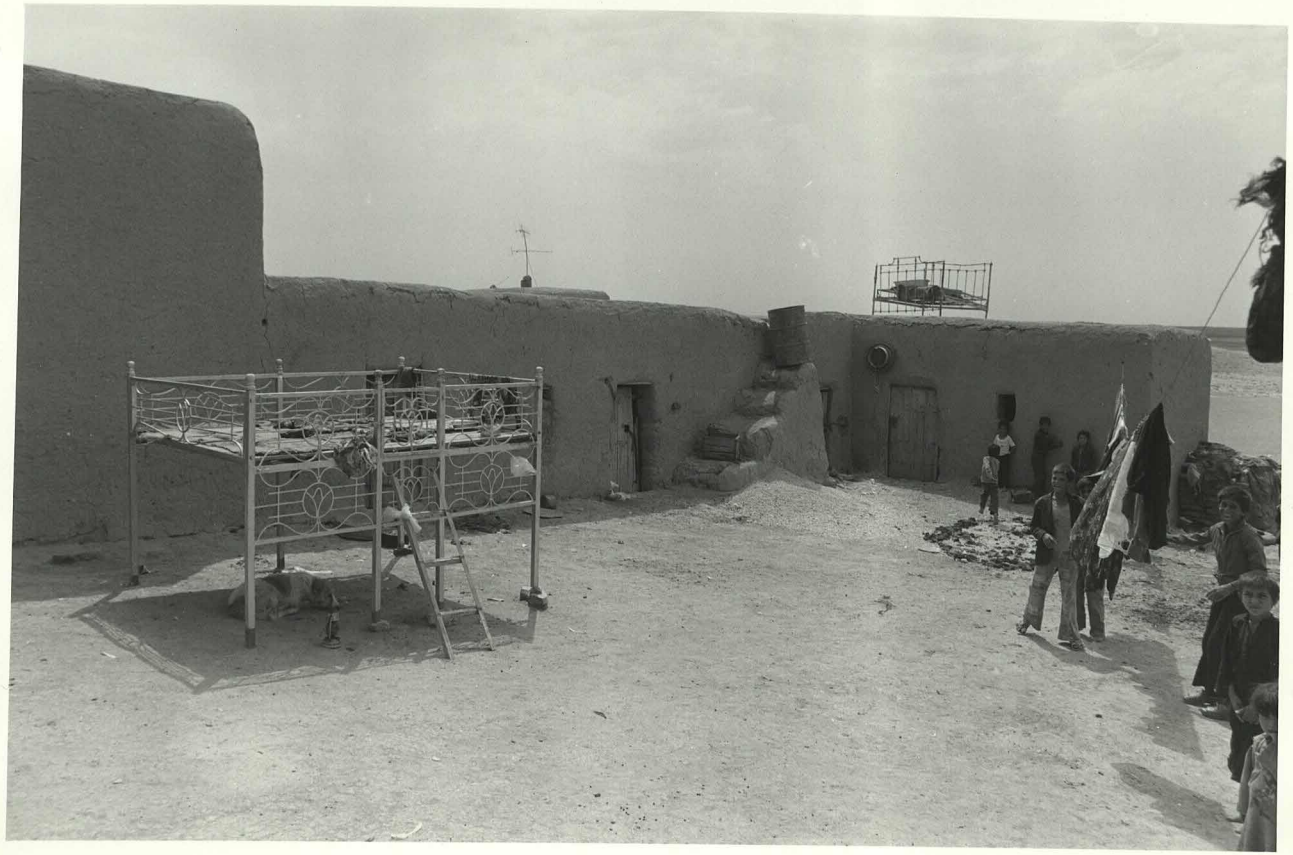


Fig. 53



Fig. 54

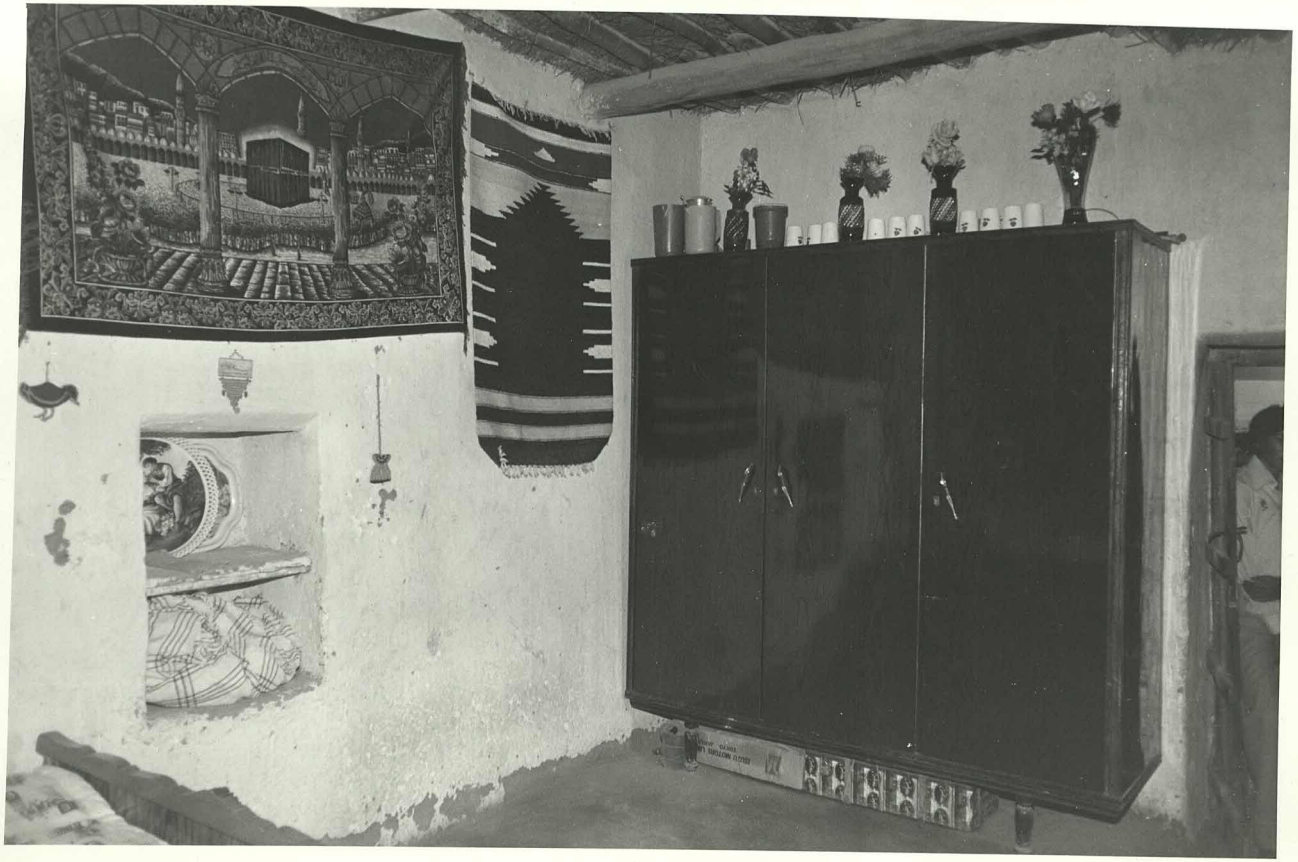


Fig. 55



Fig. 56



Fig. 57



Fig. 58

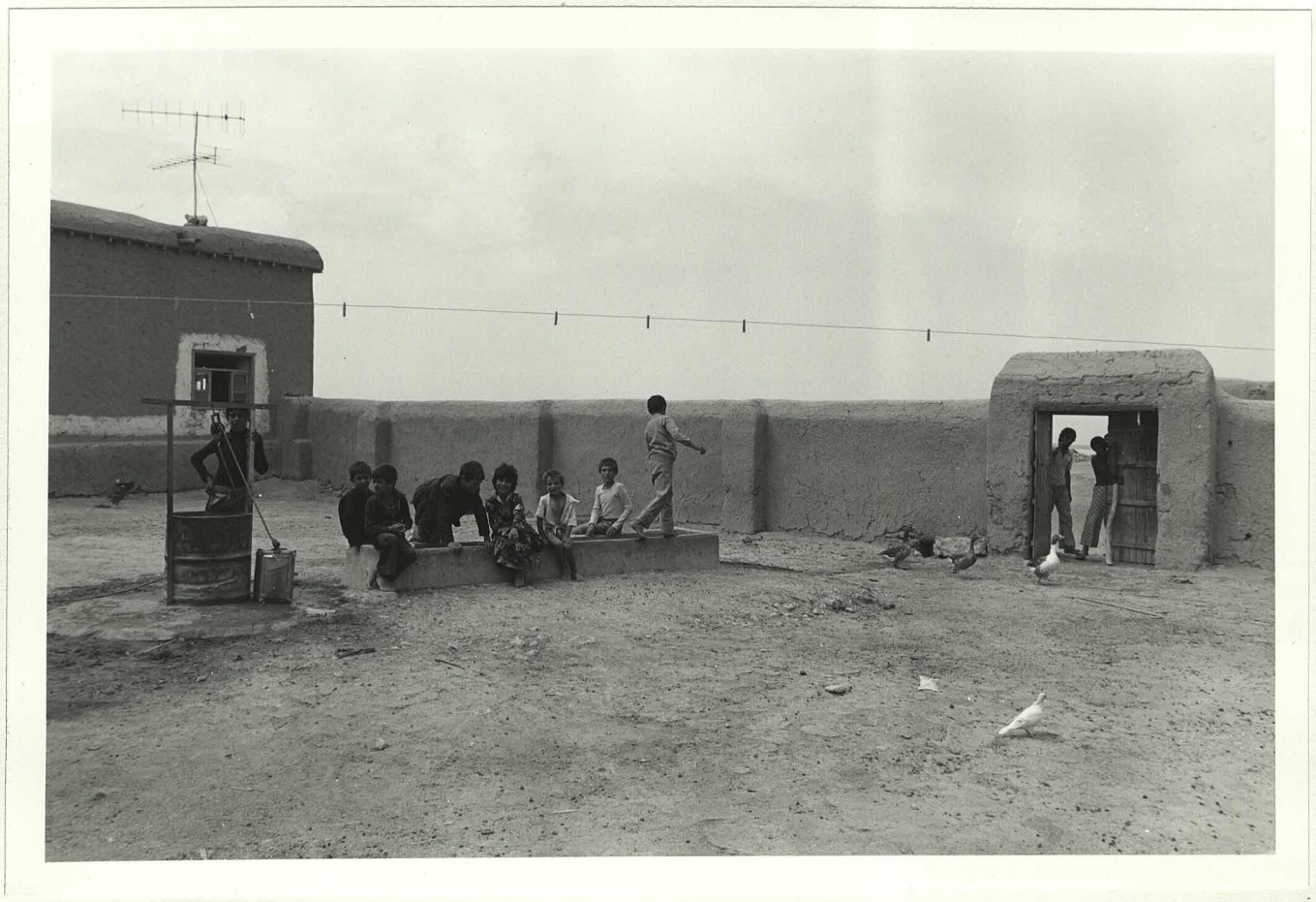


Fig. 59



Fig. 60

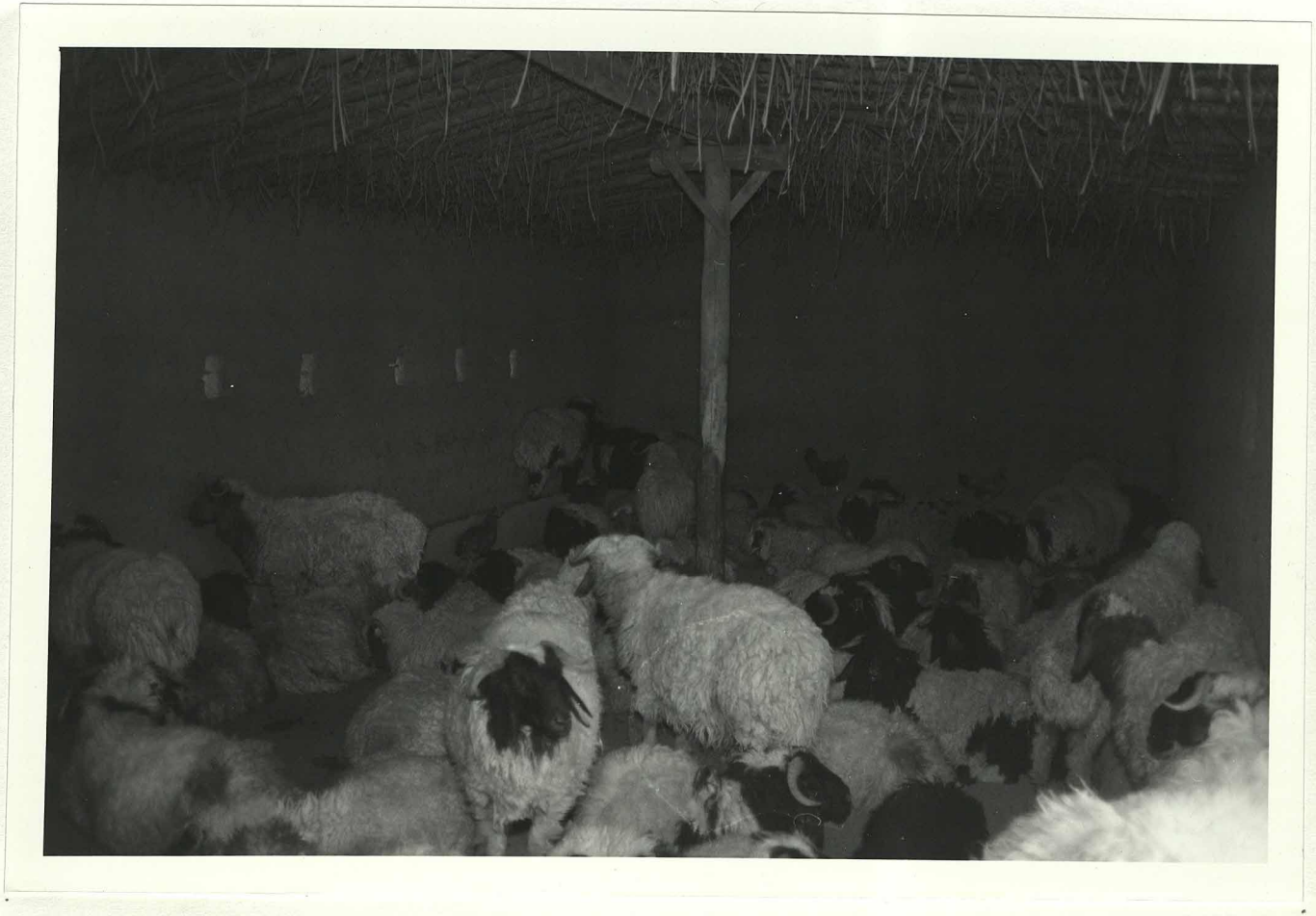


Fig. 61



Fig. 62

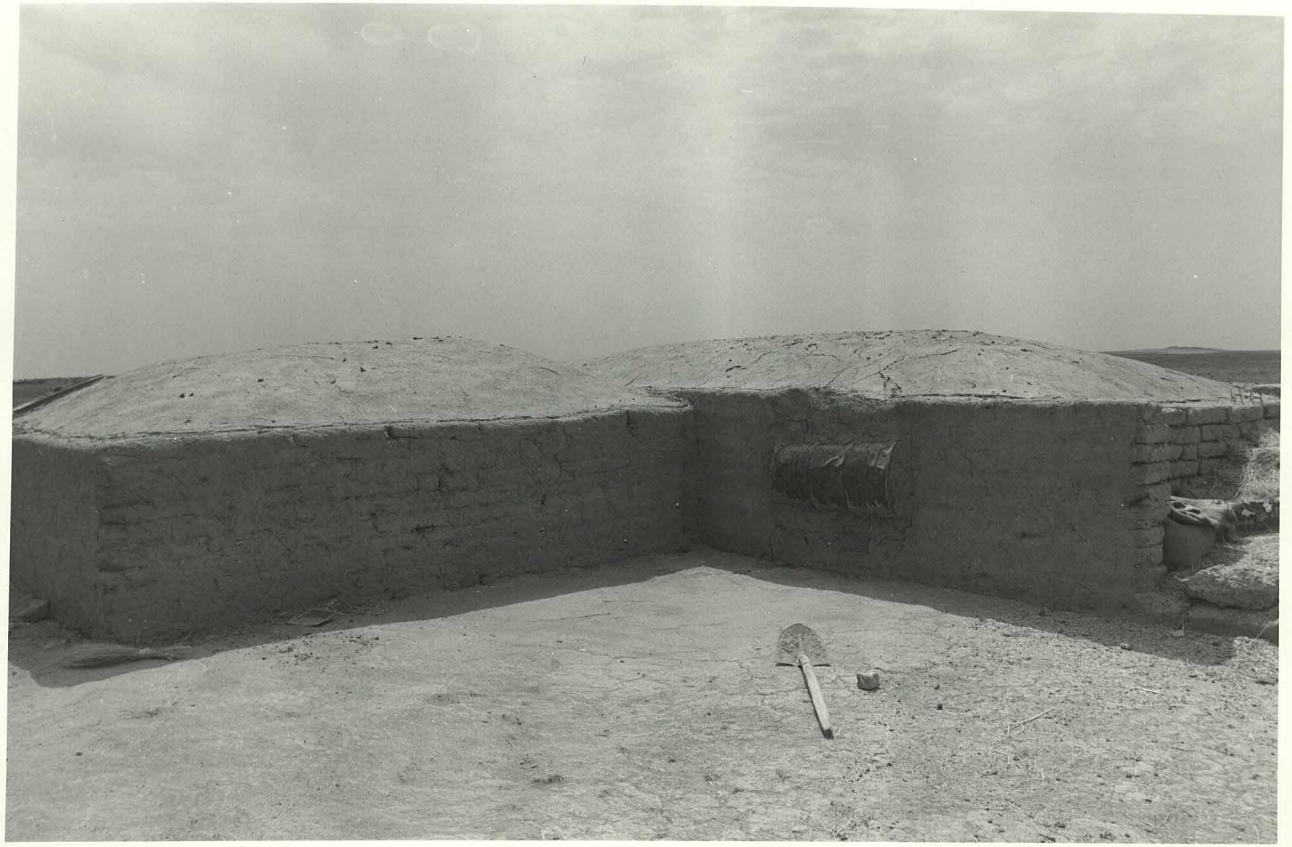


Fig. 63

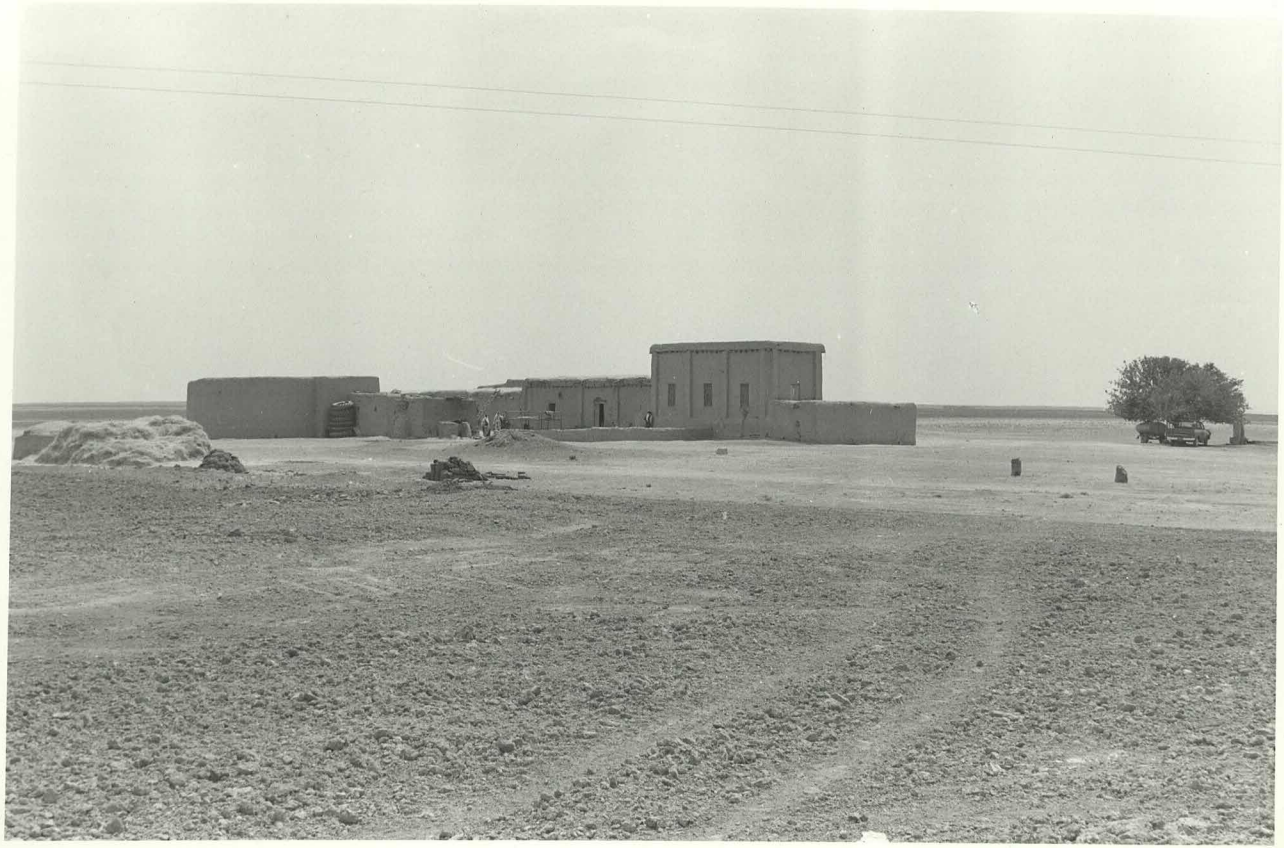


Fig. 64



Fig. 65

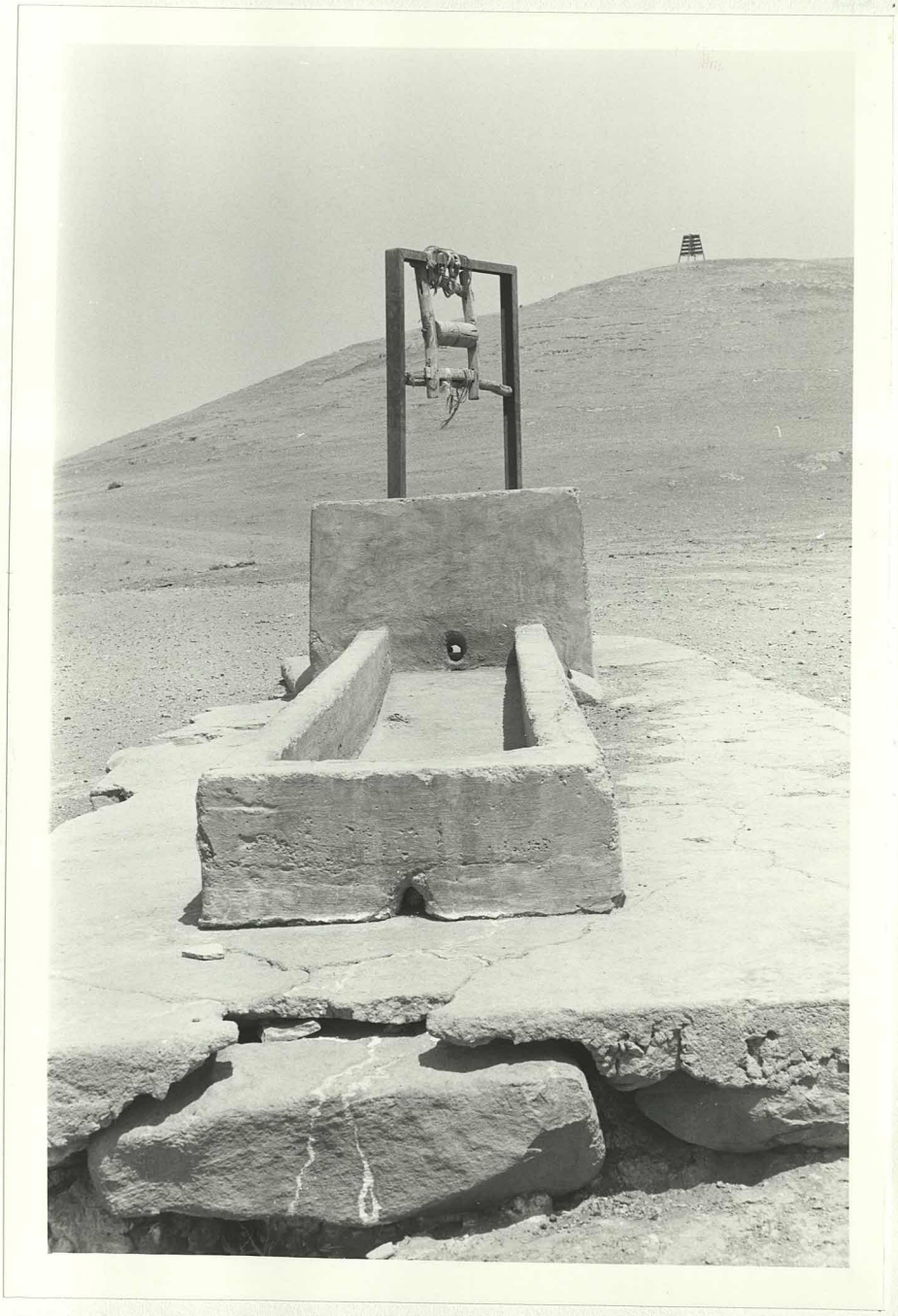
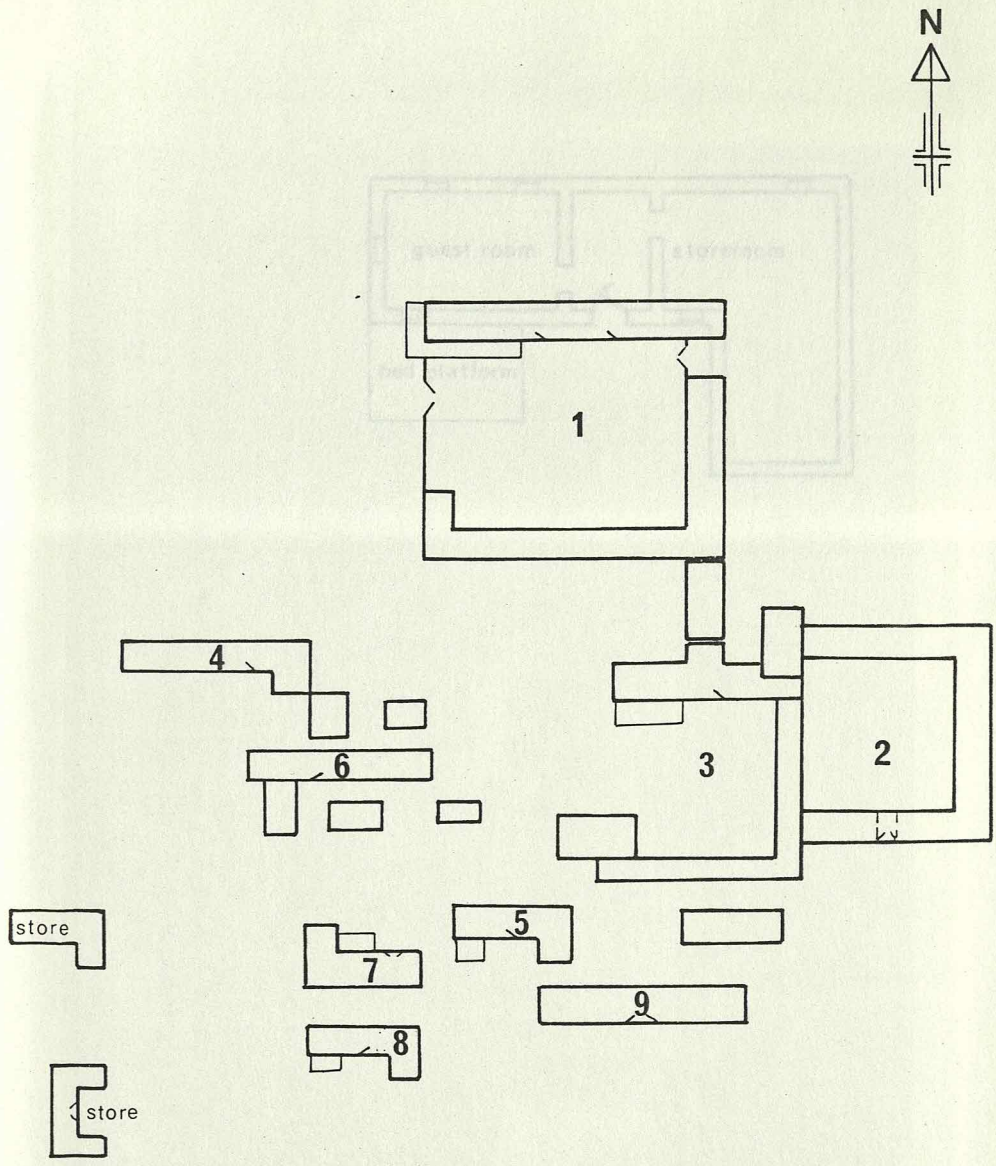


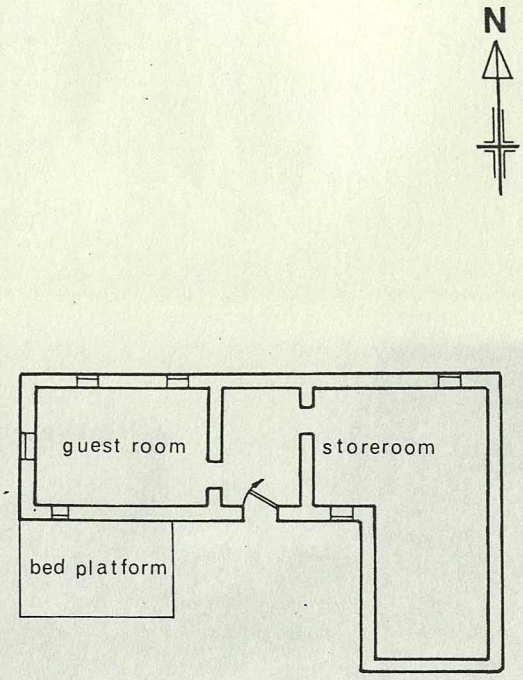
Fig. 66



10 5 0 10 20 30 40 50M

ABU HEJIRA

Fig. 67.



2 1 0 2 4 6 8 10M

ABU HEJIRA HOUSE 8

Fig. 68.

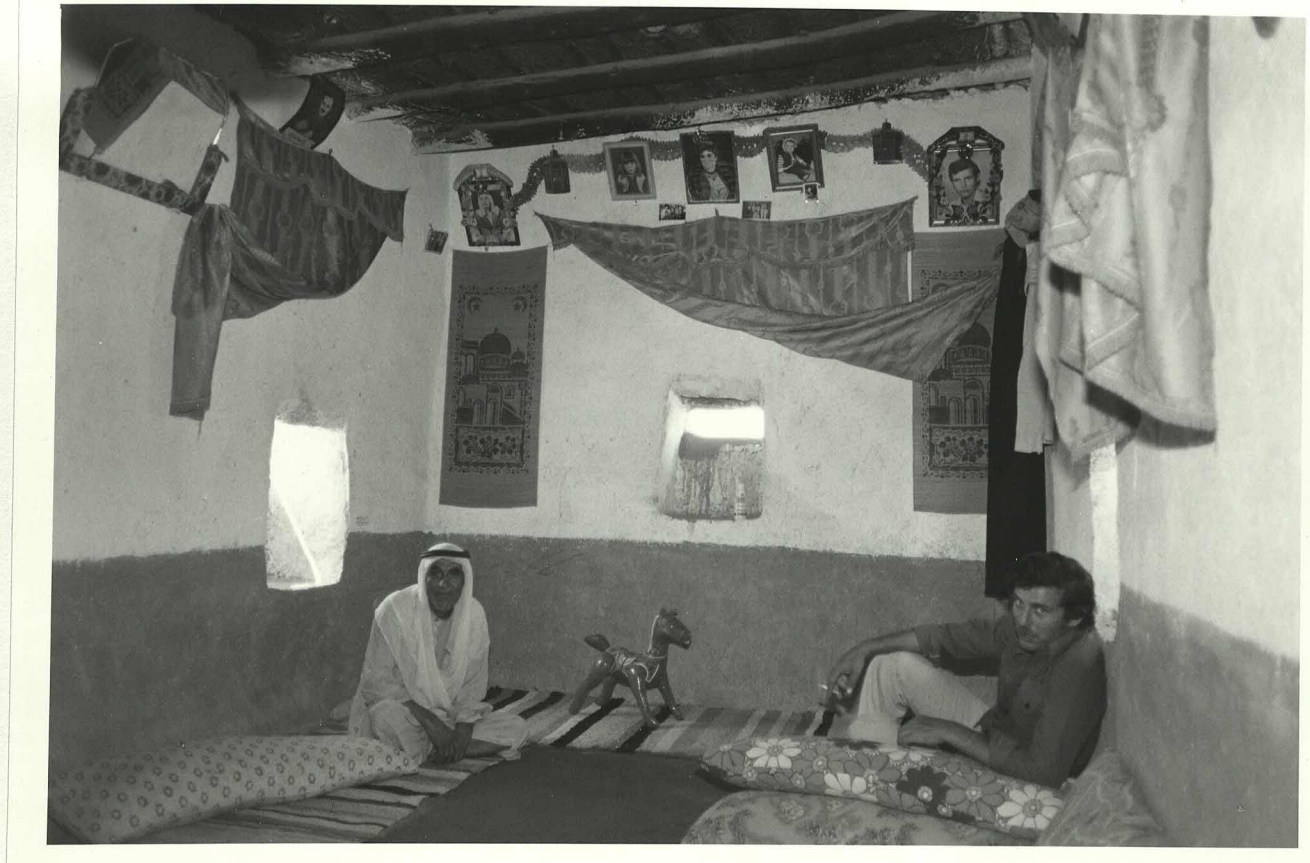


Fig. 69

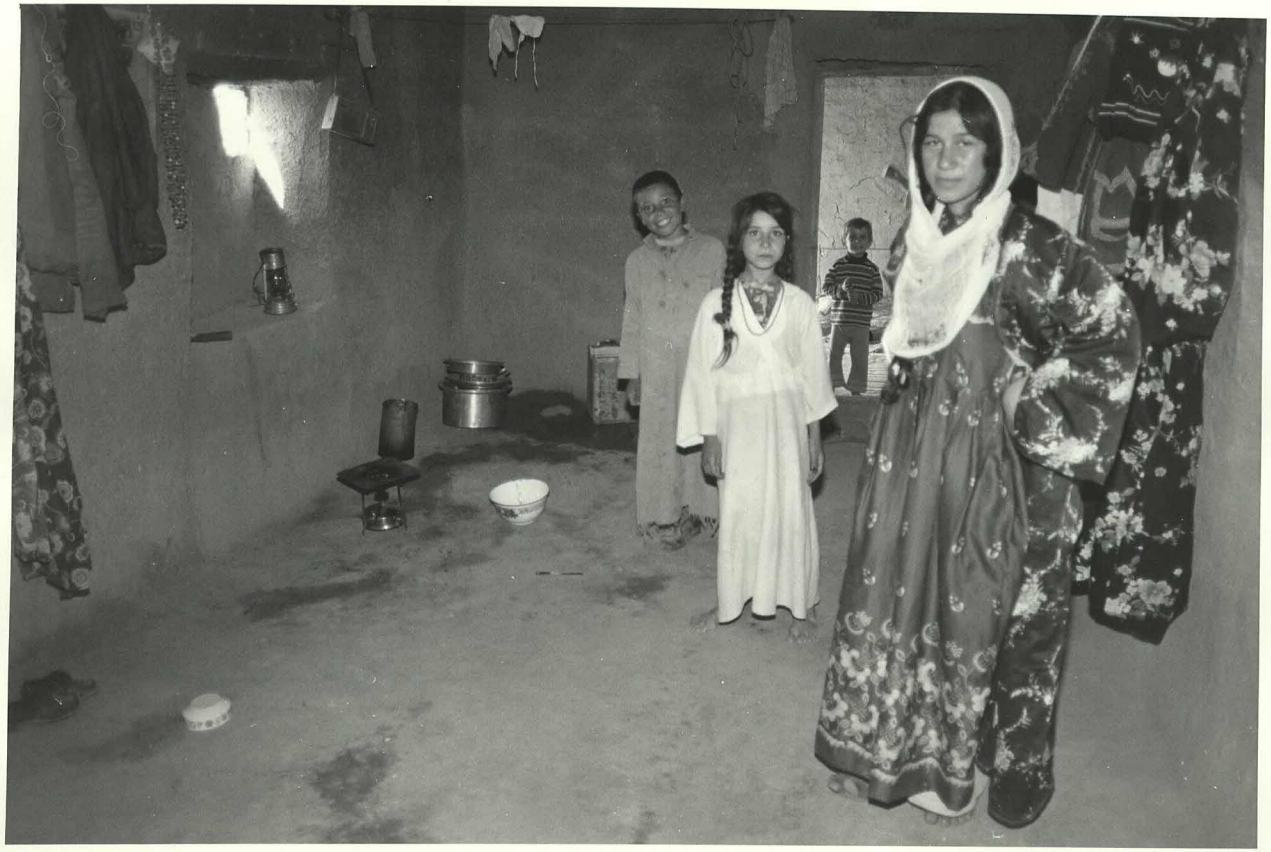


Fig. 70



Fig. 71



Fig. 72



Fig. 73

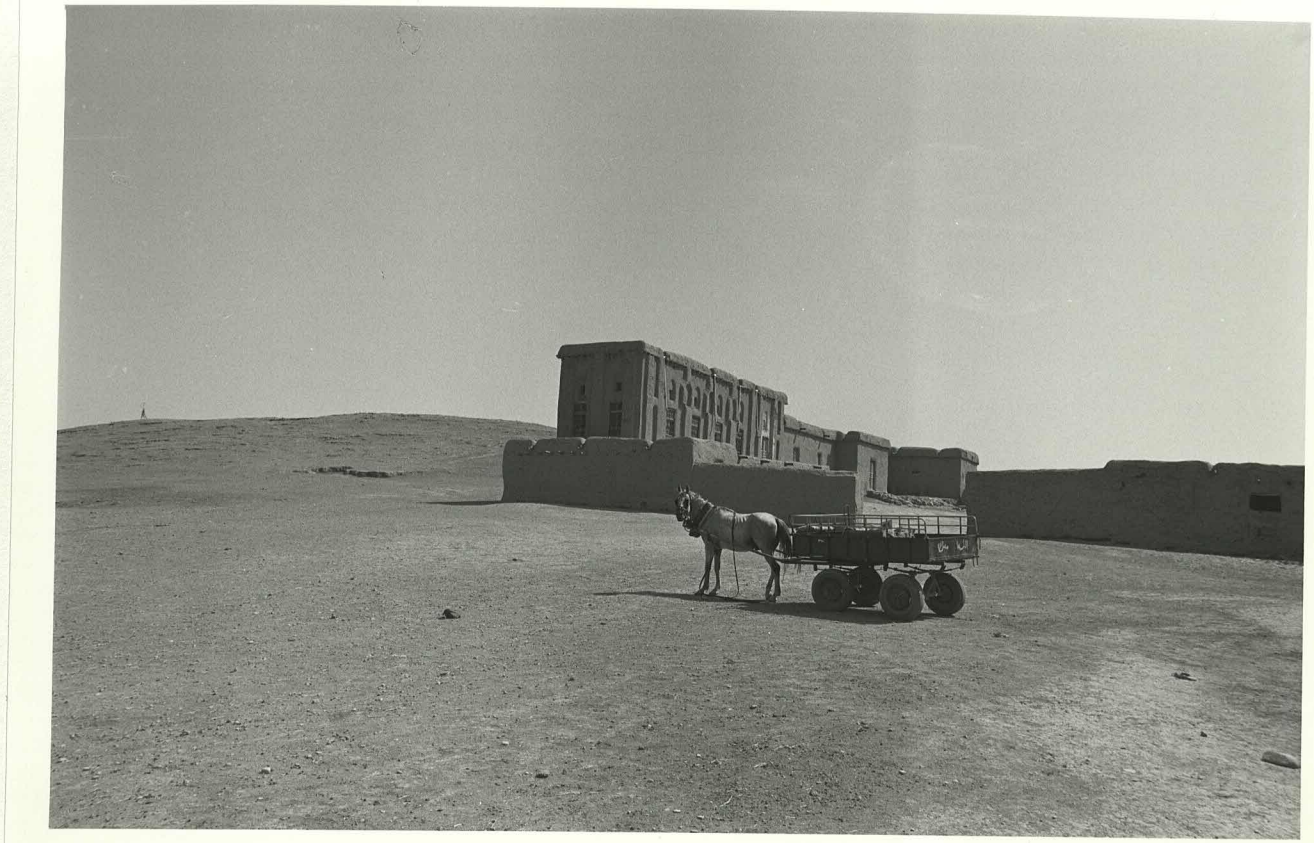


Fig. 74

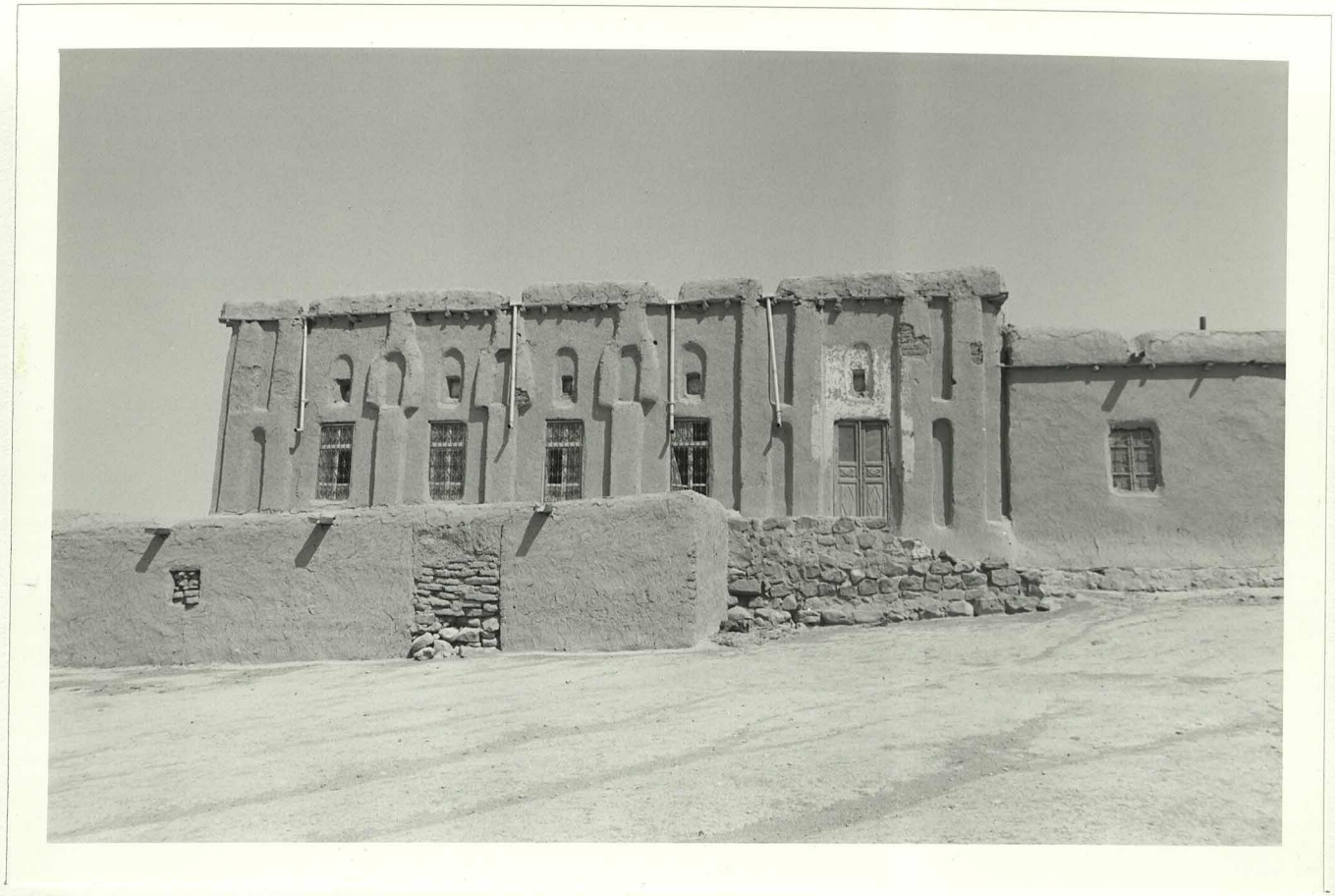


Fig. 75

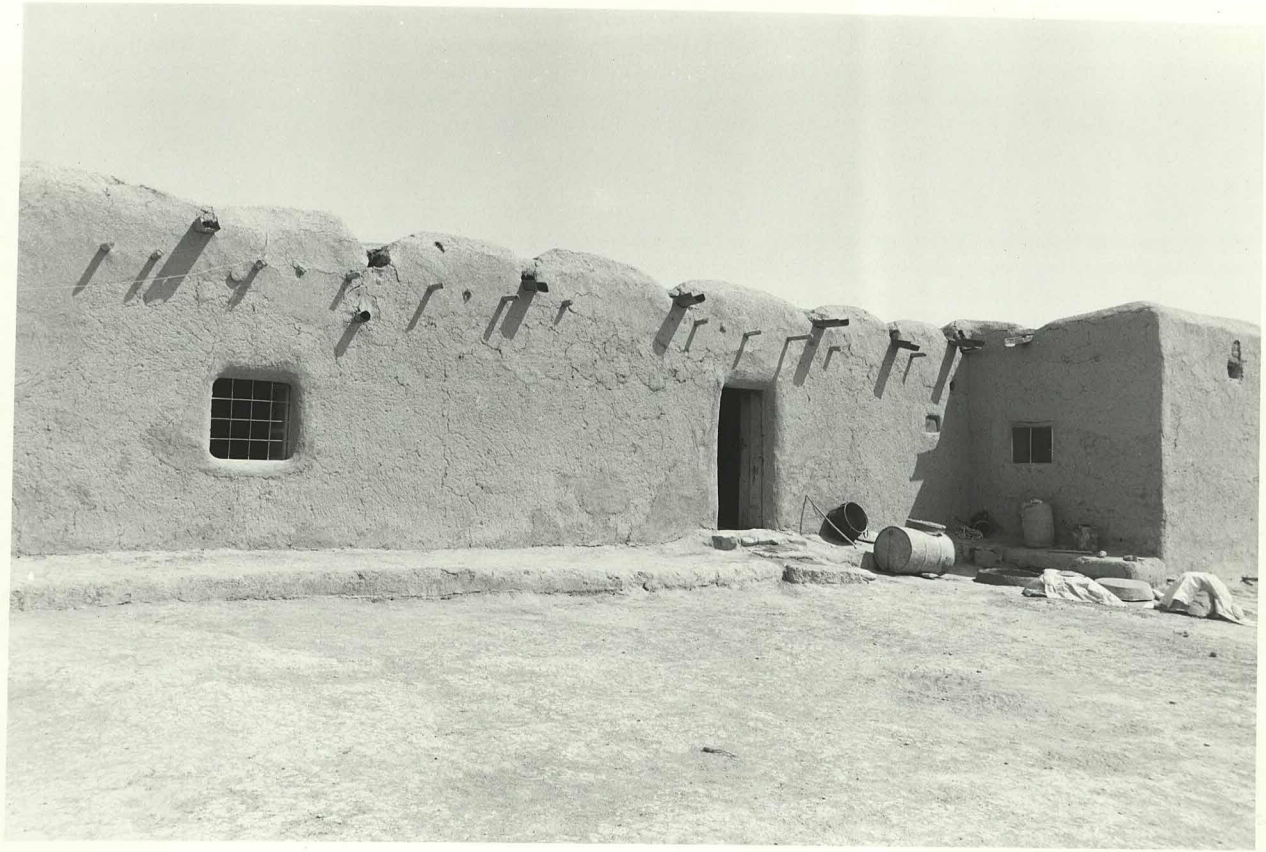


Fig. 76

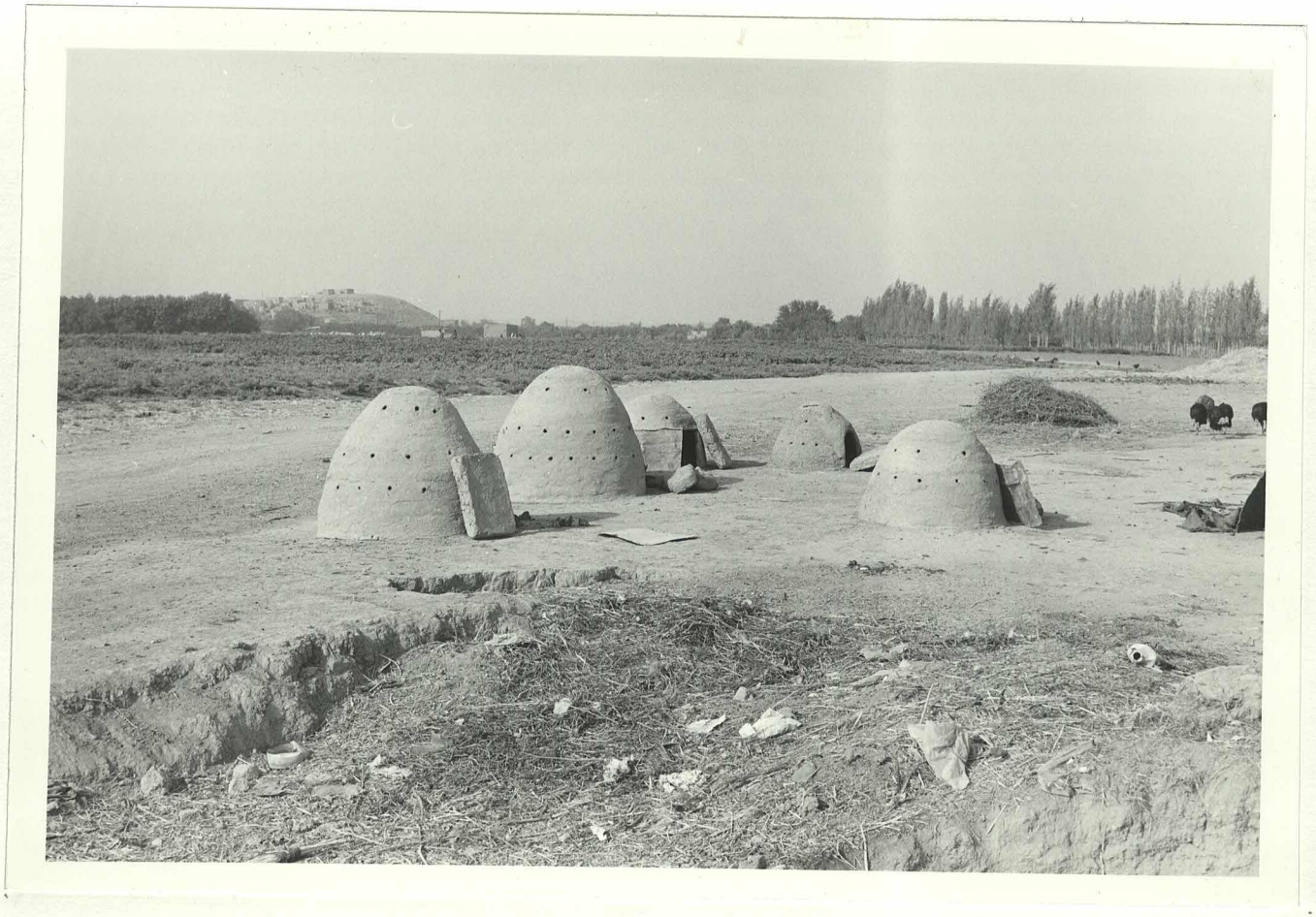


Fig. 77

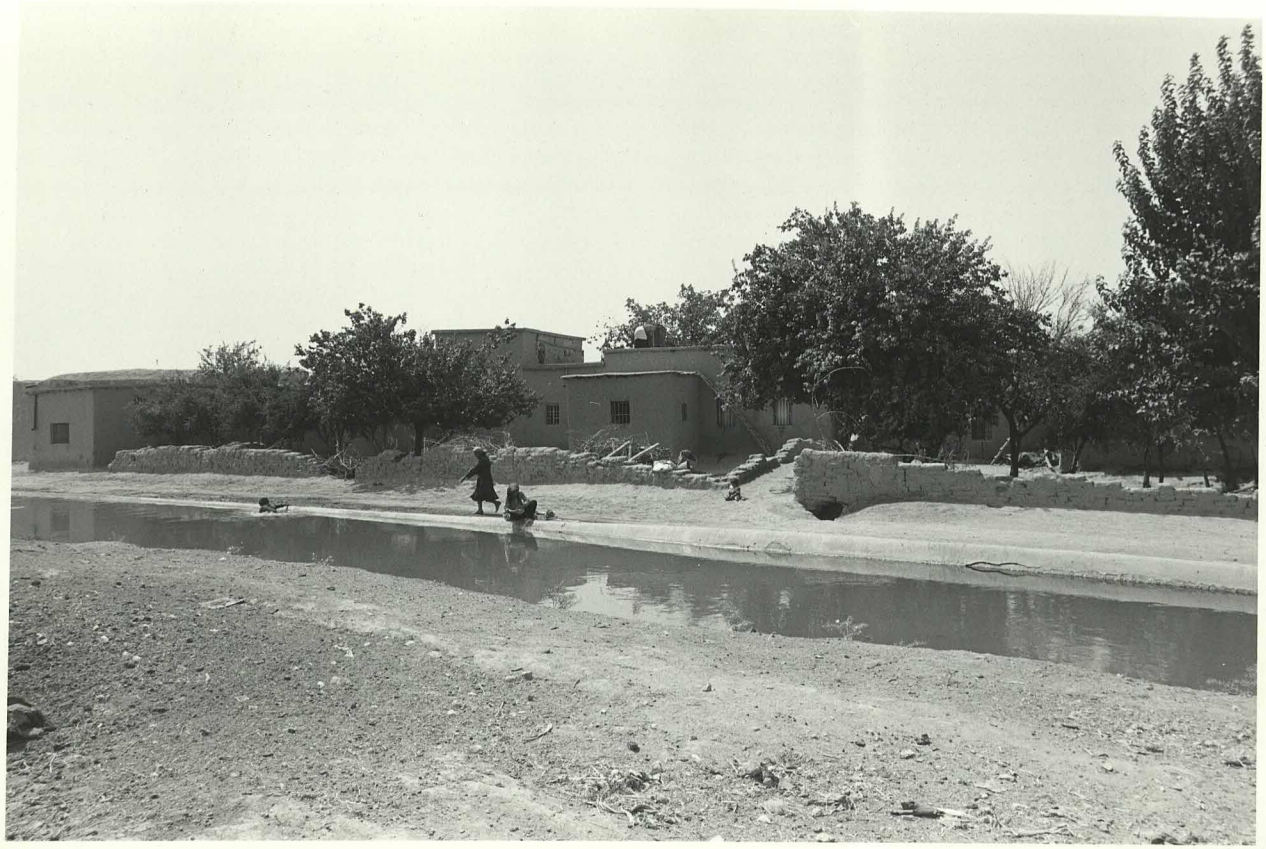


Fig. 78

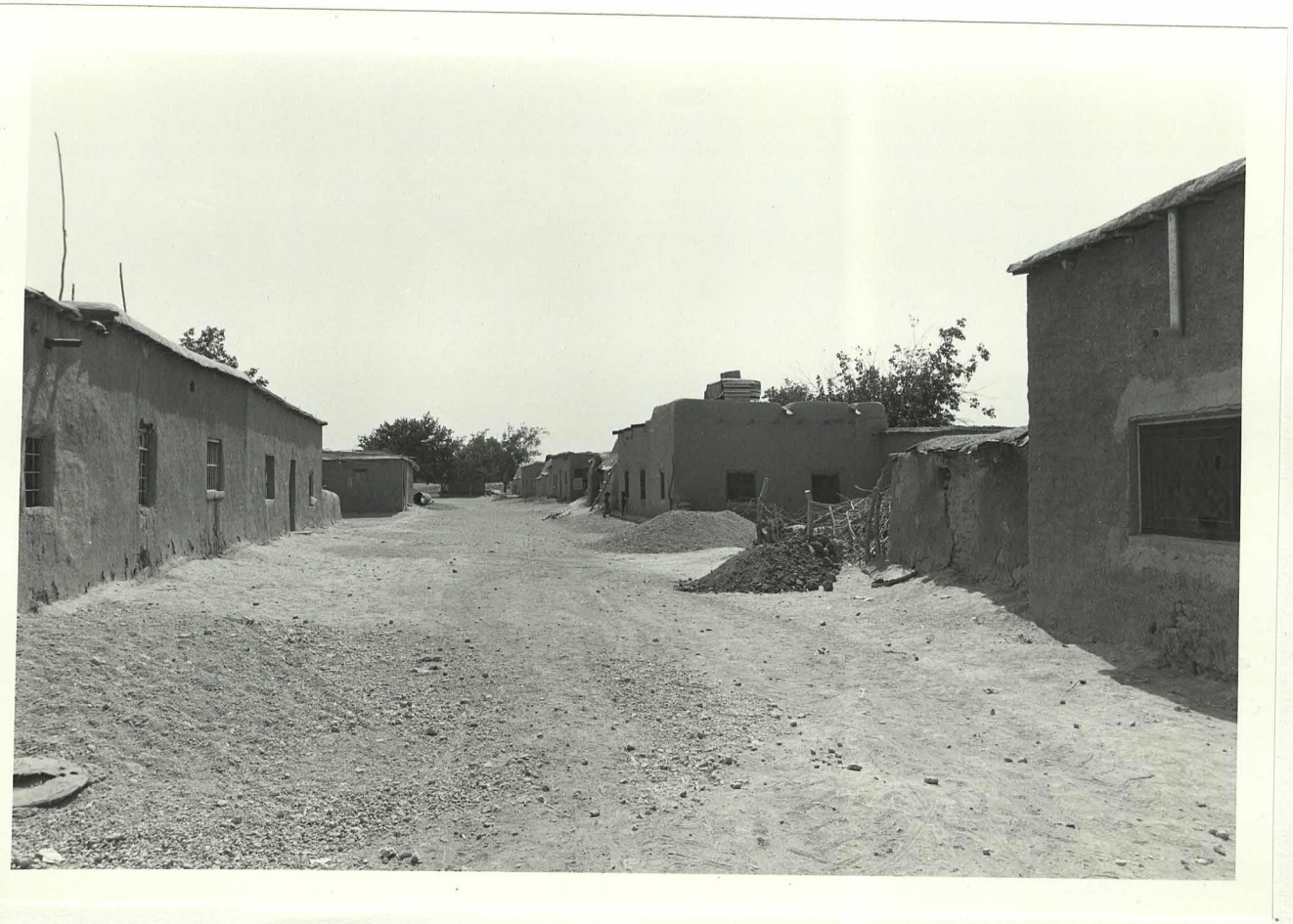


Fig. 79

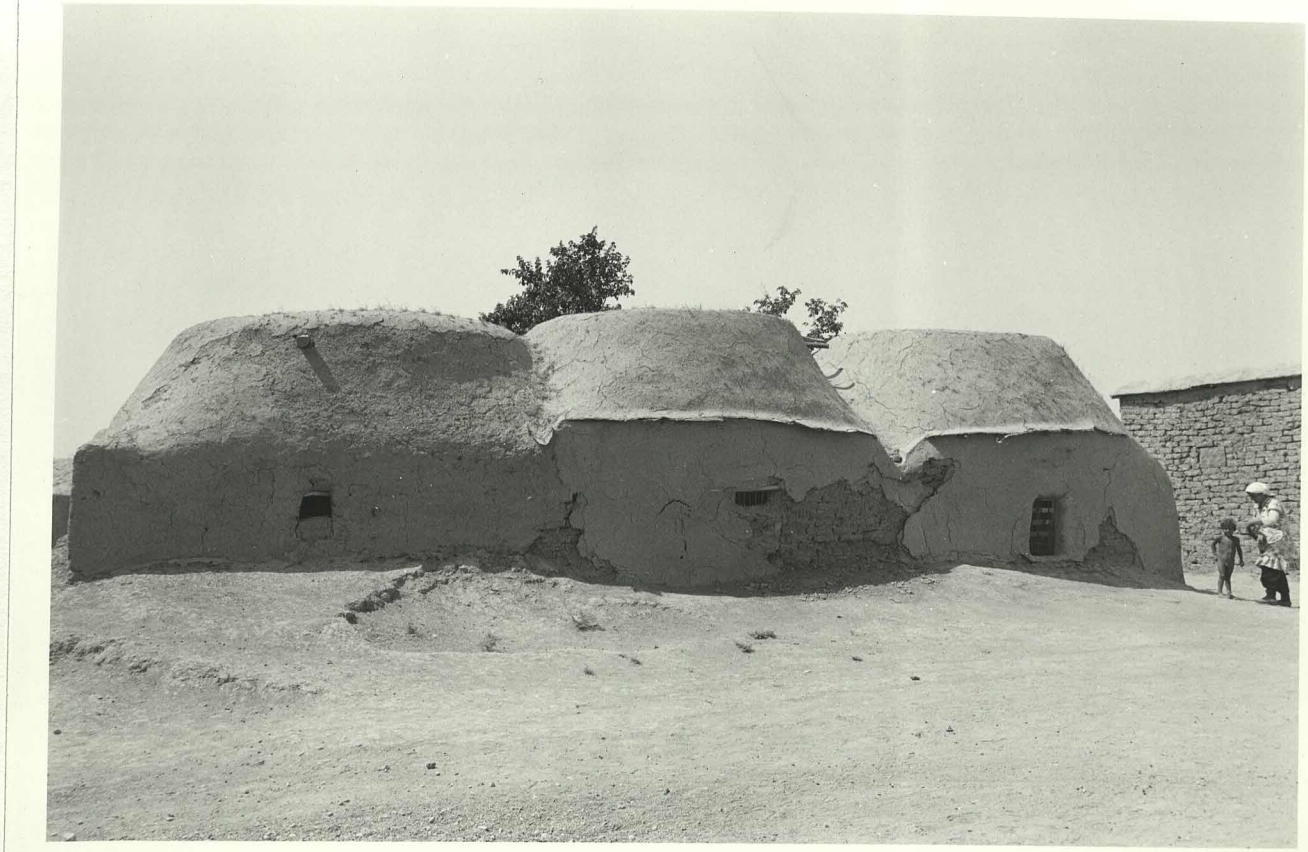


Fig. 80



Fig. 81

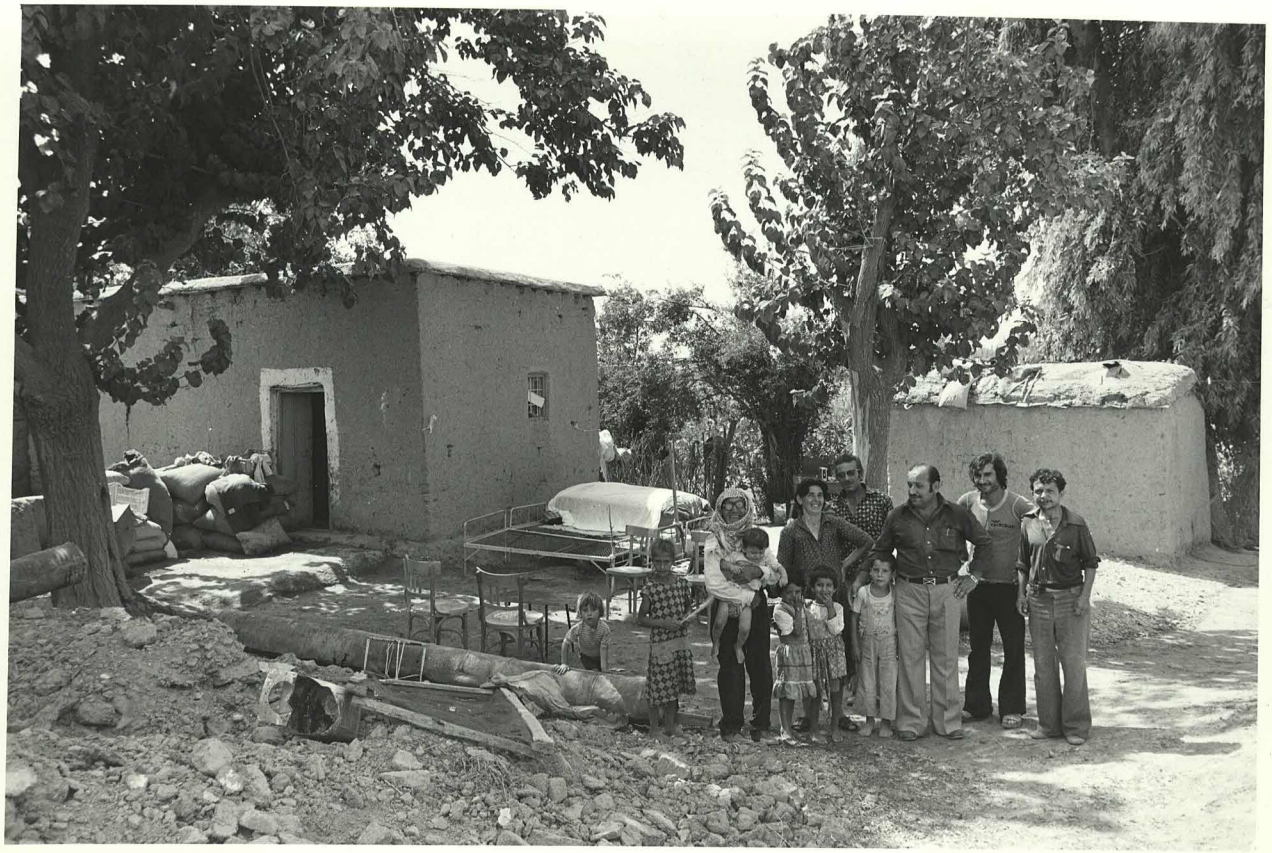


Fig. 82



Fig. 83



Fig. 84

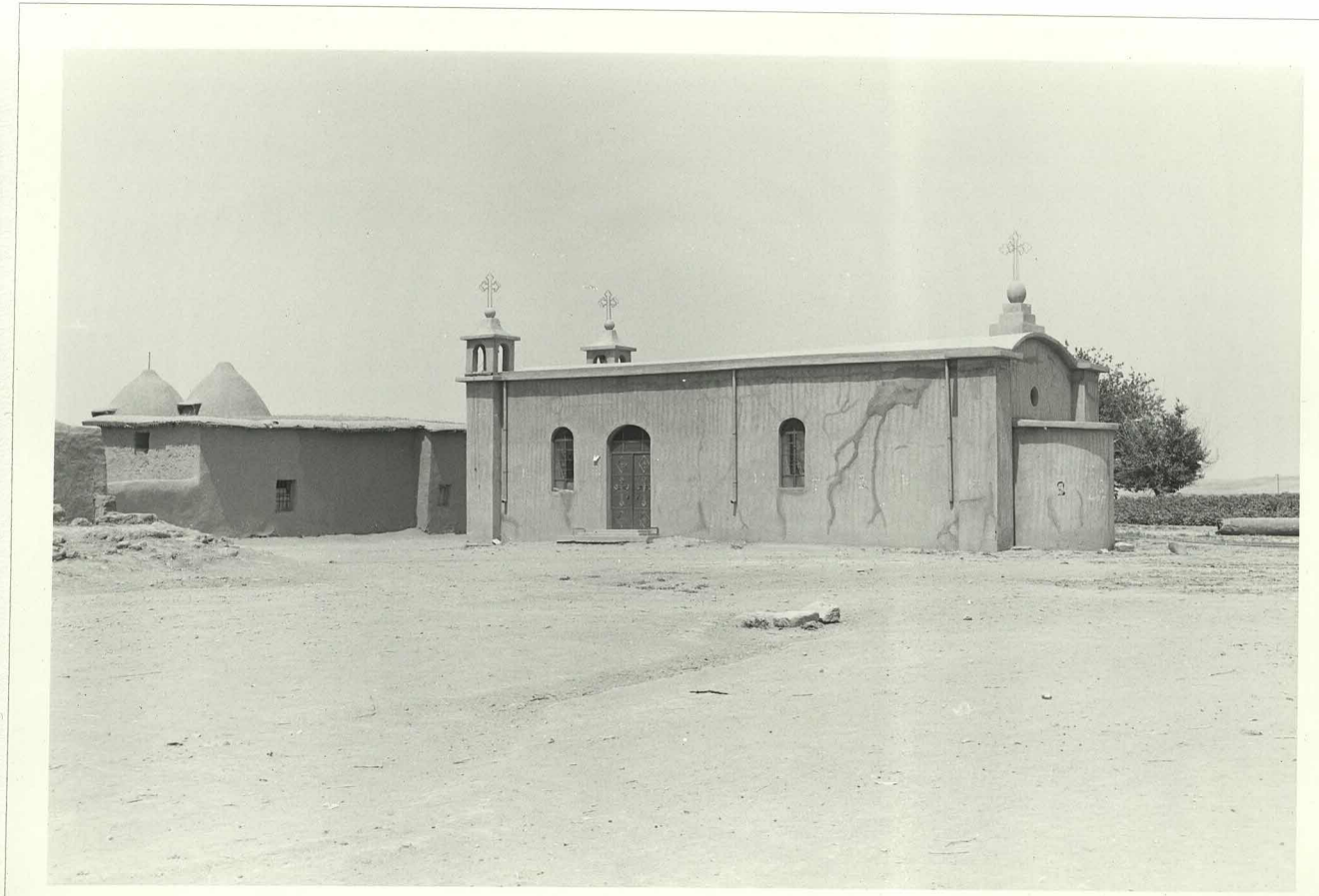


Fig. 85

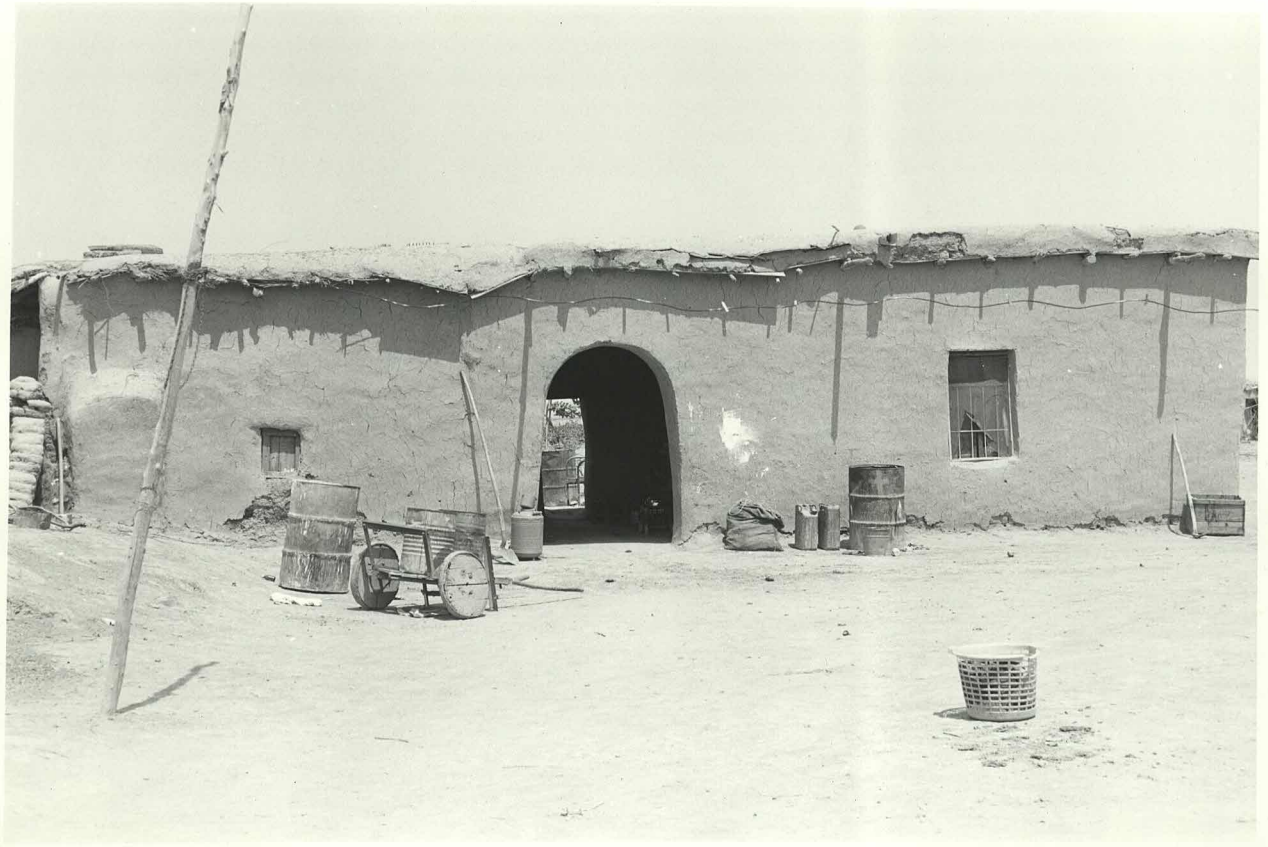


Fig. 86

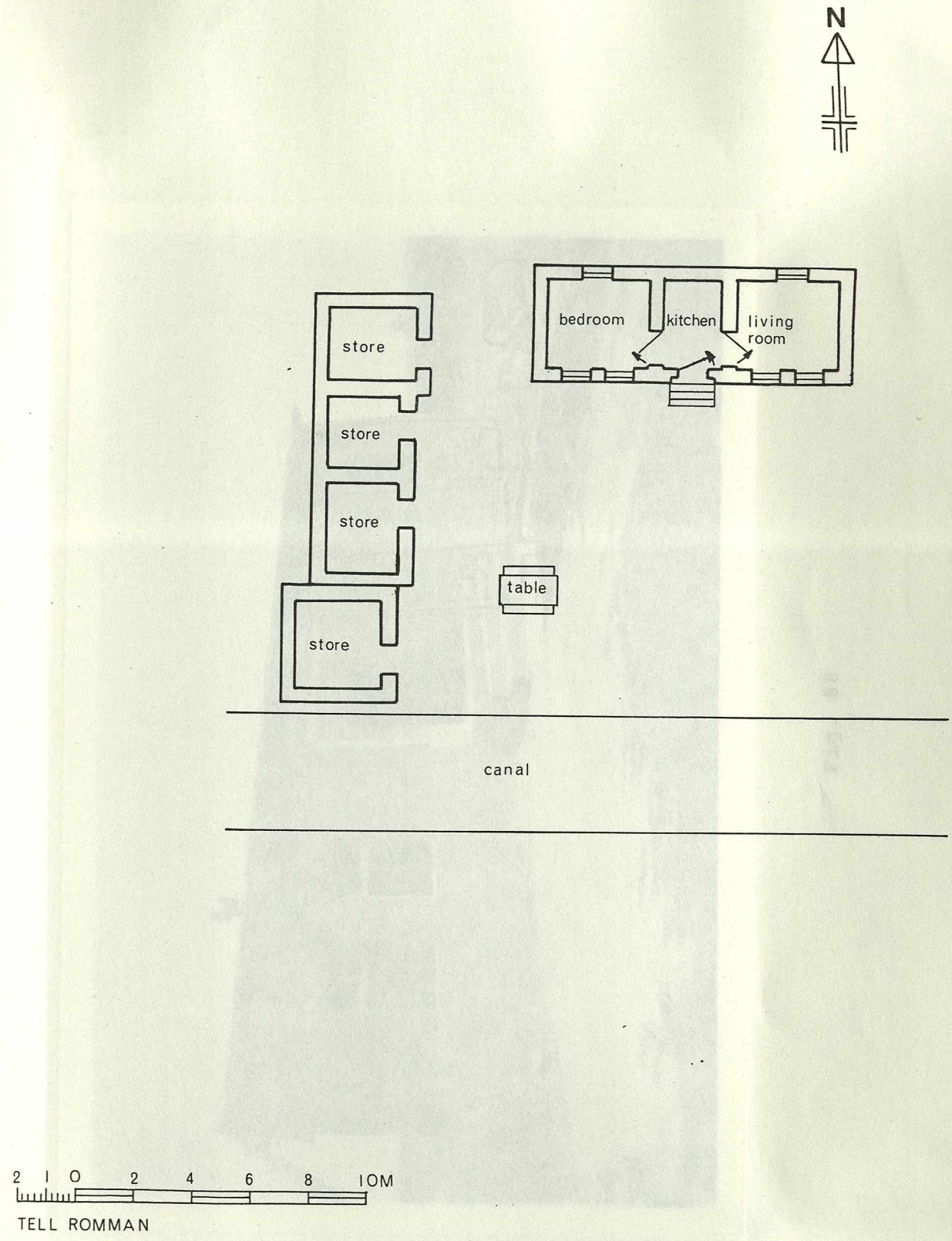

N
store
store
store
store
bedroom
kitchen
living room
table
canal
2 1 0 2 4 6 8 10M
TELL ROMMAN

Fig. 87.

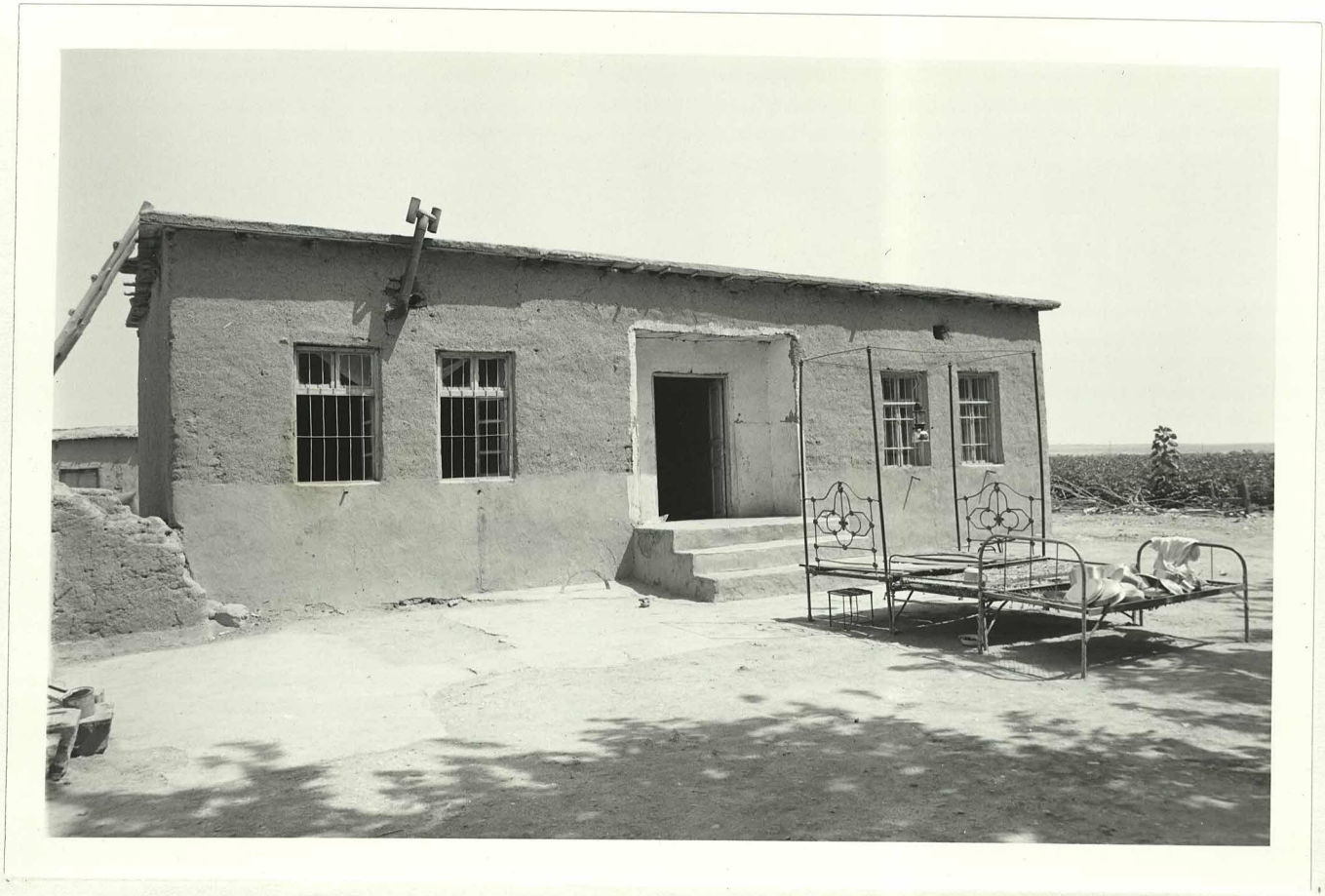


Fig. 88



Fig. 89

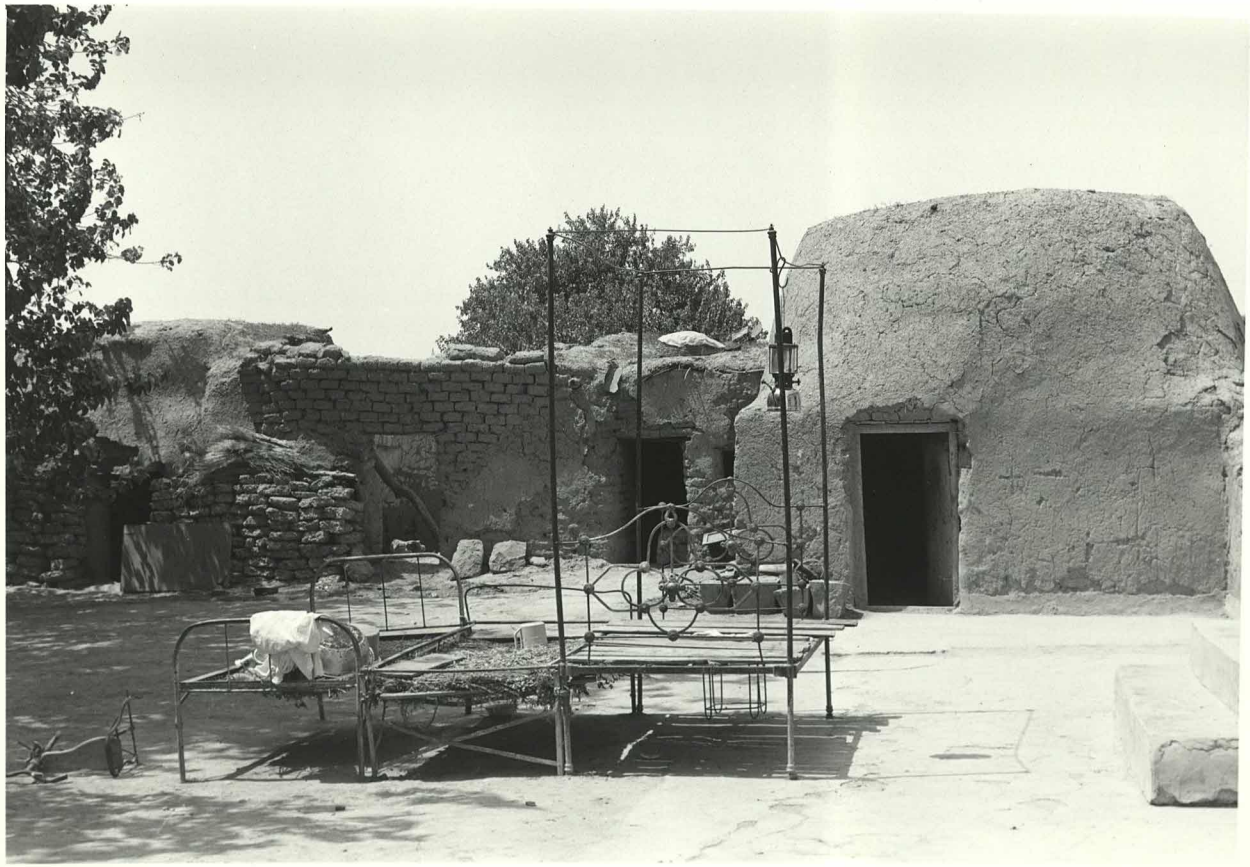


Fig. 90

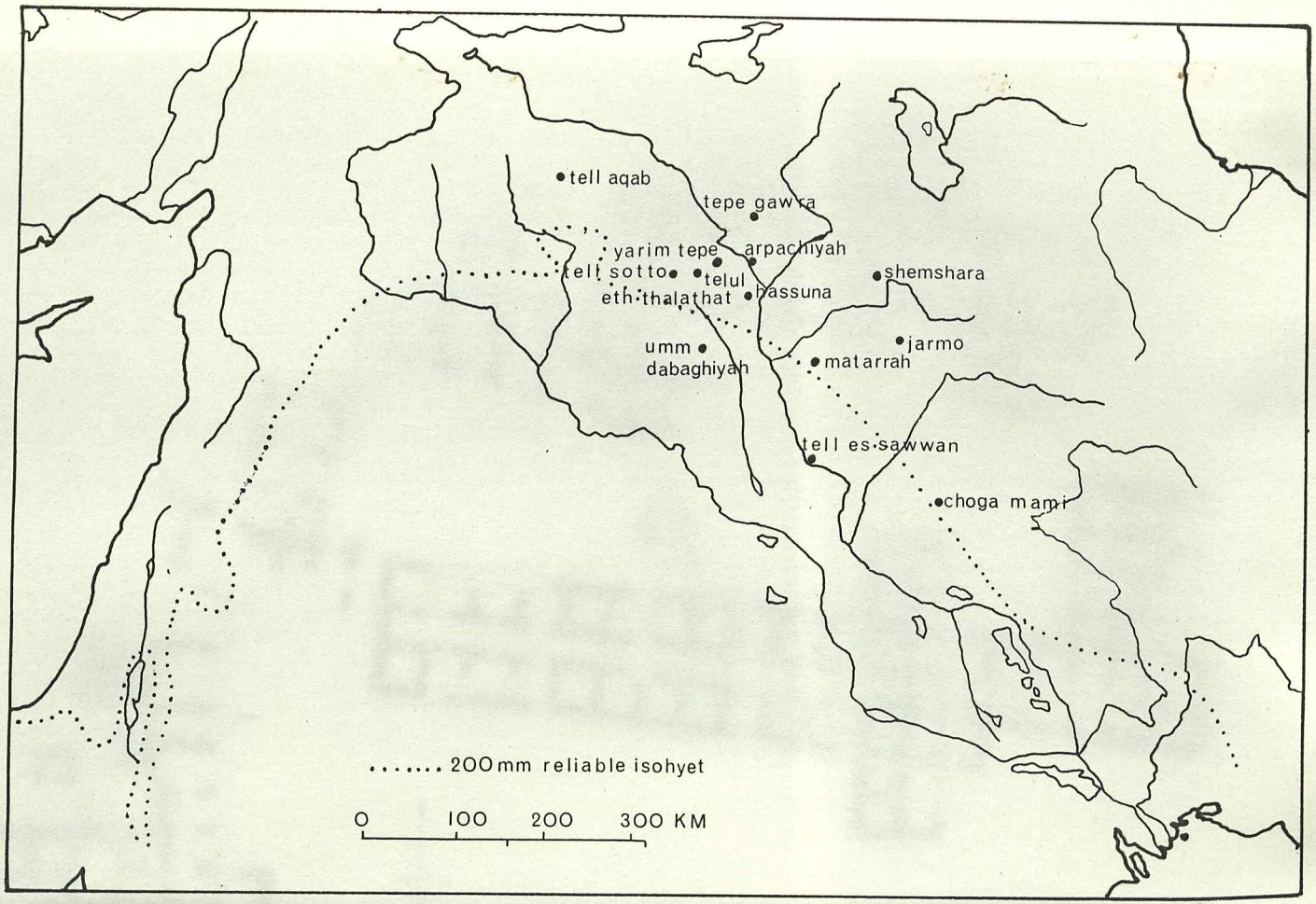

tell aqab
tepe gawra
yarim tepe
arpachiyah
tell sotto
telul
eth thalathat
hassuna
shemshara
umm
dabaghiyah
jarmo
matarrah
tell es sawwan
choga mami
200mm reliable isohyet
0
100
200
300 KM

Fig. 91.

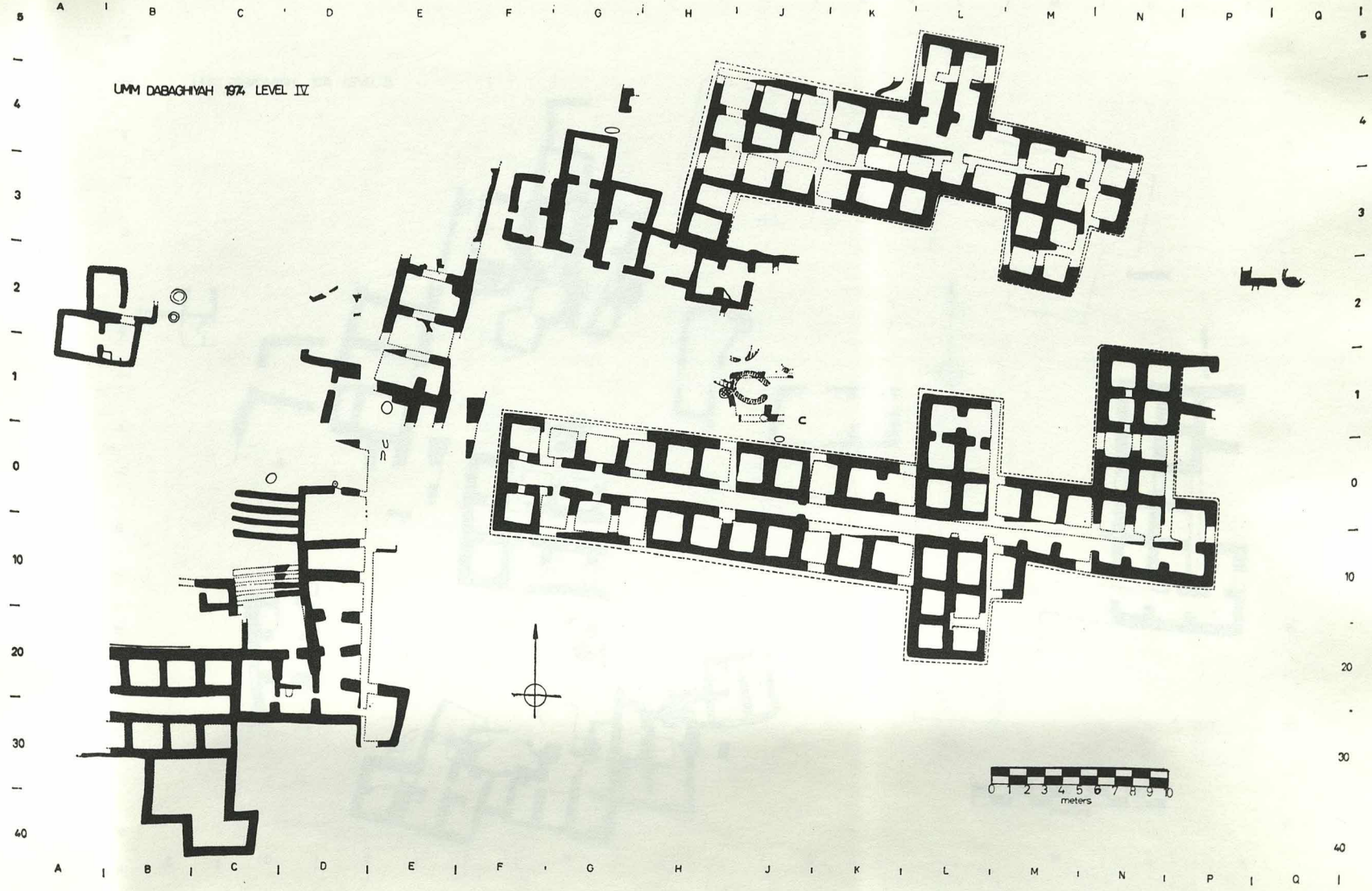

UMM DABAGHIYAH 1974 LEVEL IV
A B C D E F G H J K L M N P Q
5 4 3 2 1 0 10 20 30 40
0 1 2 3 4 5 6 7 8 9 10
meters

Fig. 92

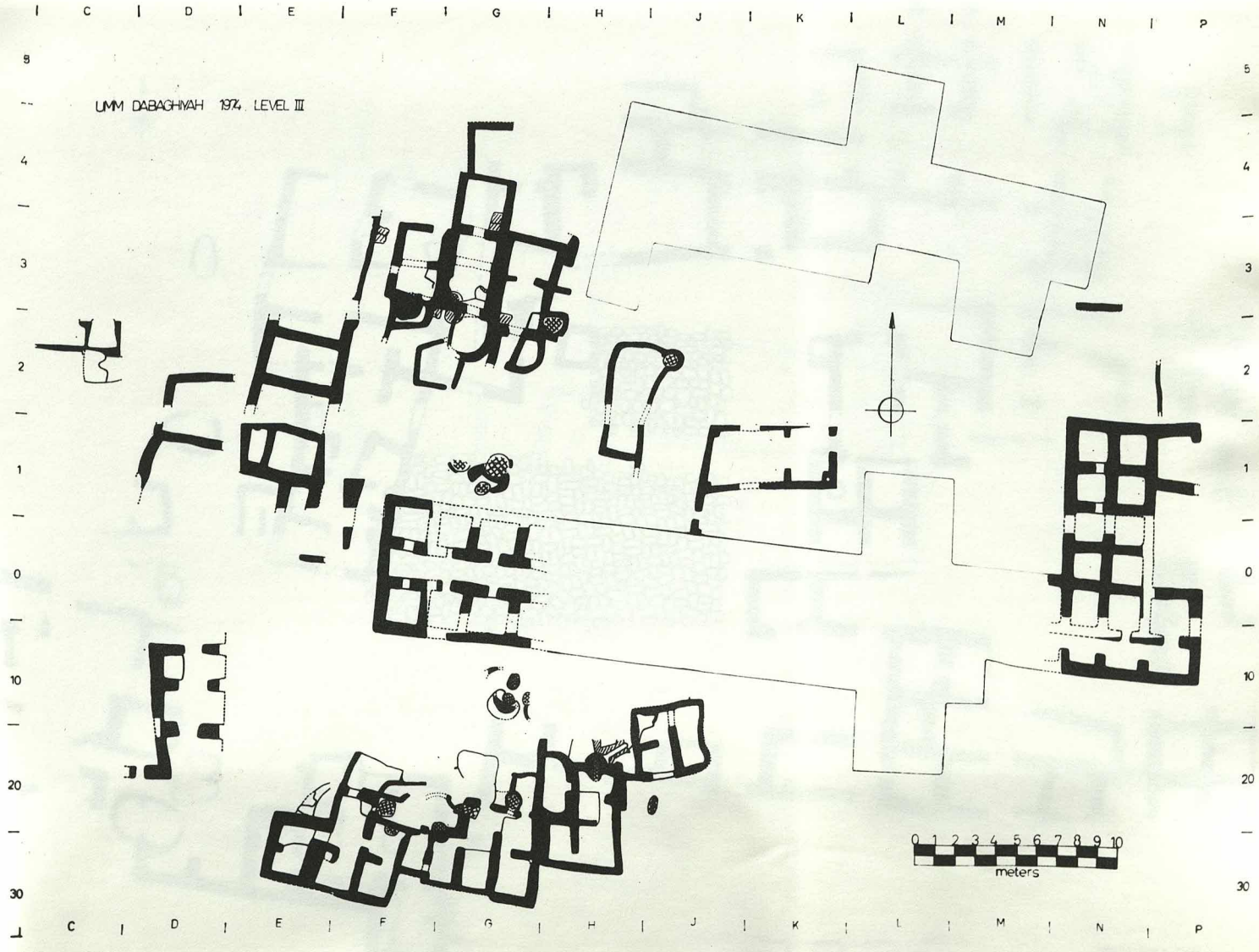

UMM DABAGHIYAH 1974 LEVEL III
C D E F G H J K L M N P
8 4 3 2 1 0 10 20 30
5 4 3 2 1 0 10 20 30
0 1 2 3 4 5 6 7 8 9 10
meters

Fig. 93

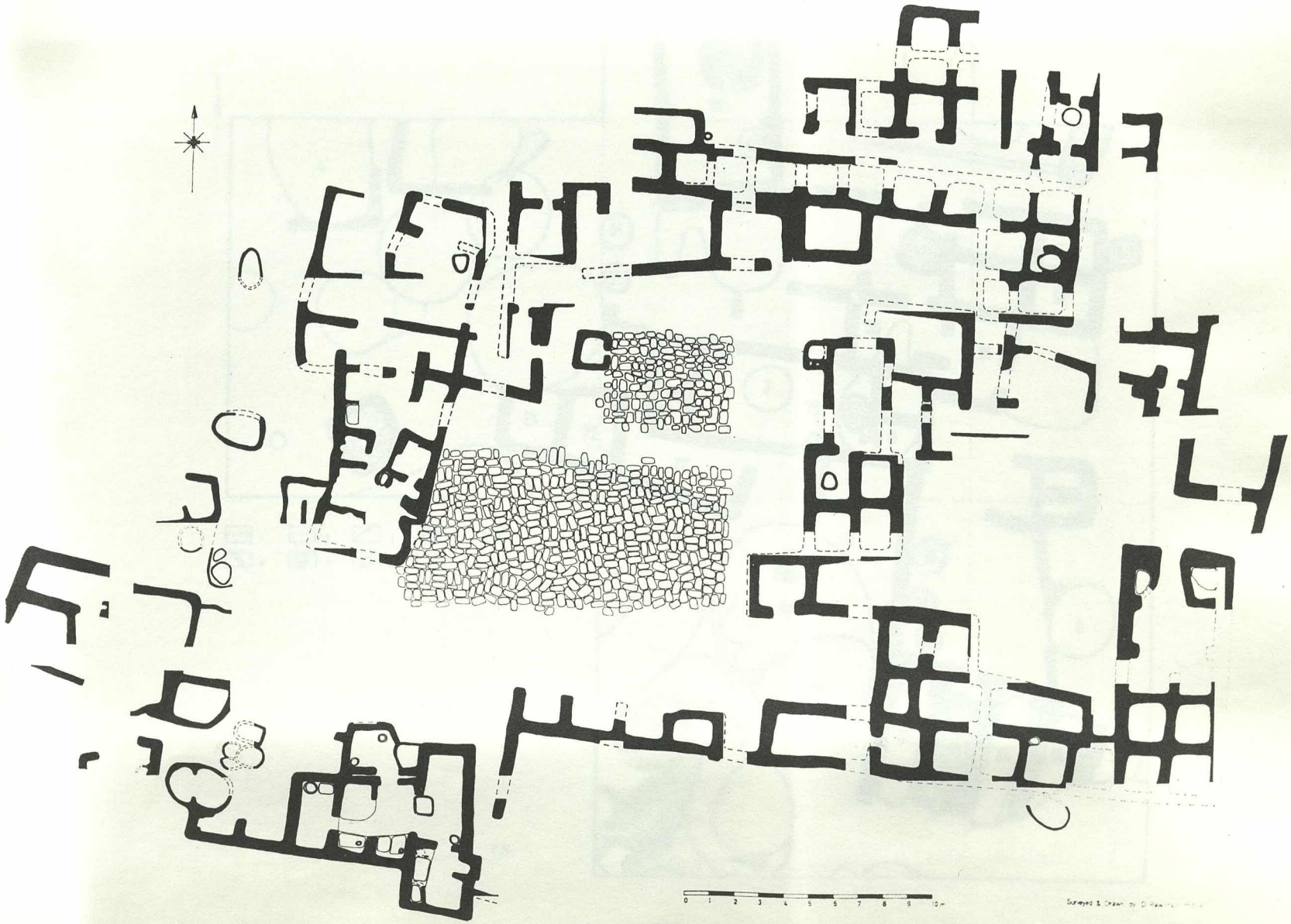


Fig. 94

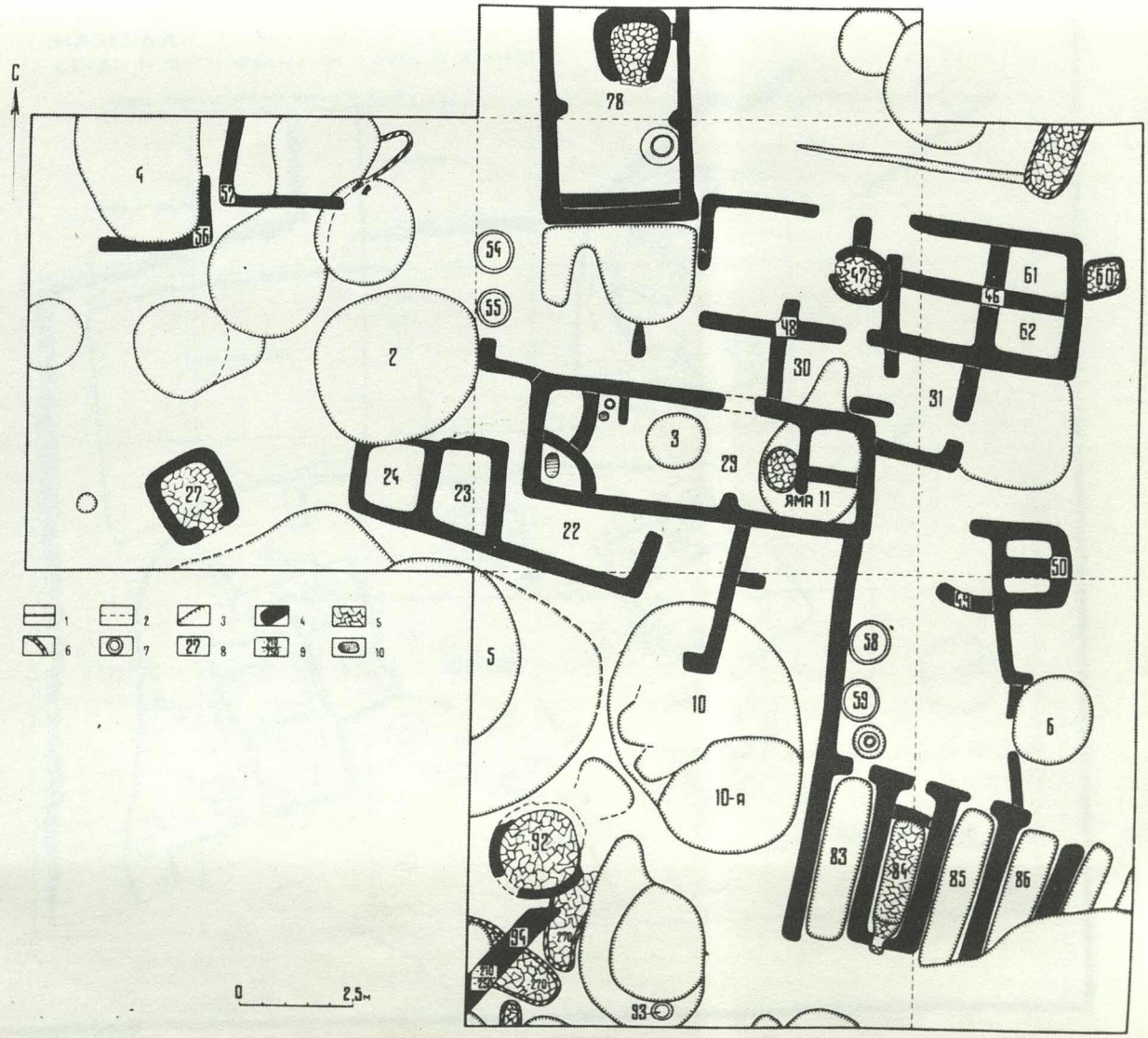

С
78
4
52
56
54
55
47
46
48
61
60
62
30
31
2
3
29
24
23
27
22
ЯМА 11
50
49
58
59
5
10
6
10-А
92
83
84
85
86
95
93
1
2
3
4
5
6
7
8
9
10
0
2,5м

Fig. 95

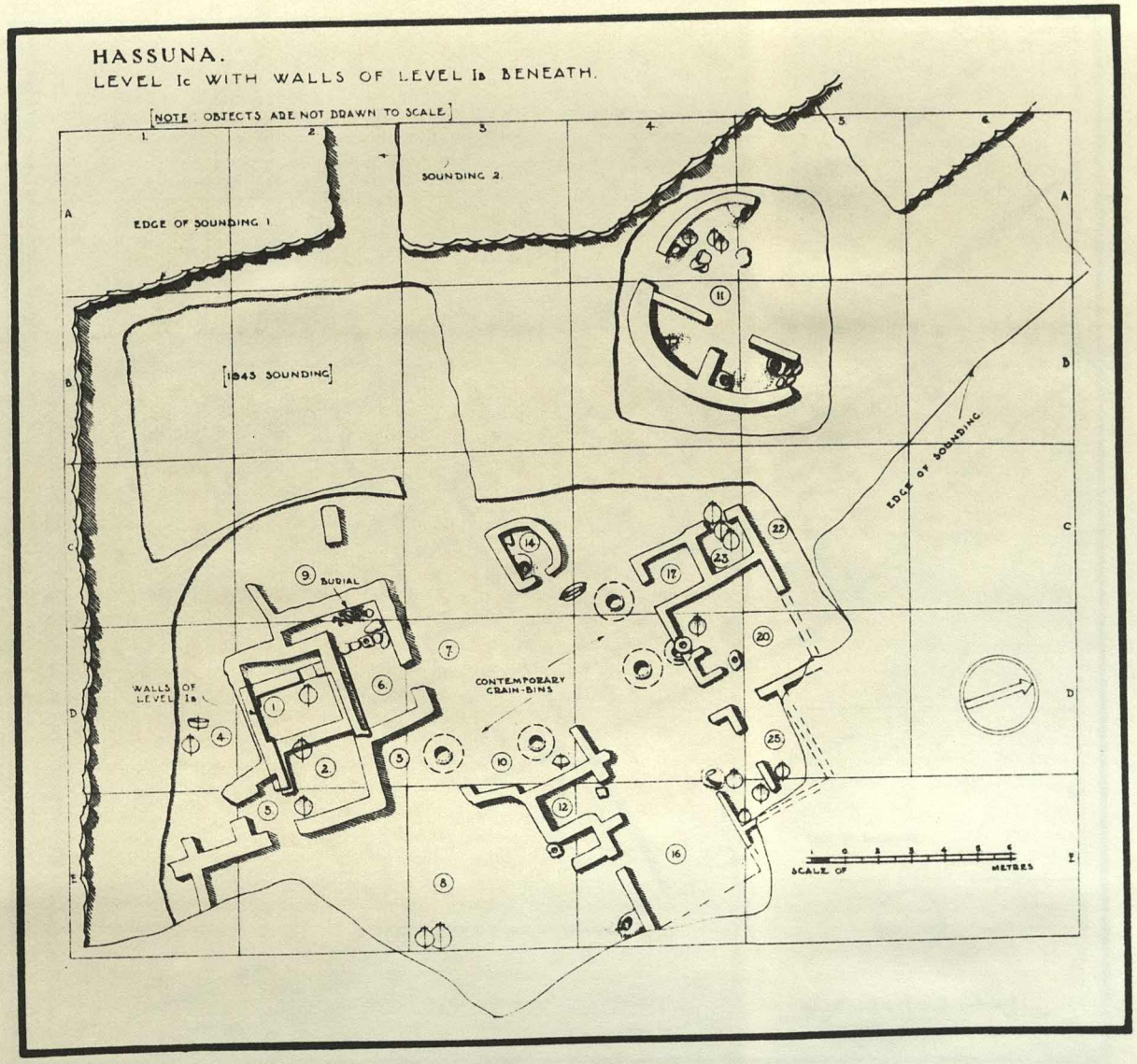

HASSUNA.
LEVEL Ic WITH WALLS OF LEVEL Ib BENEATH.
[NOTE OBJECTS ARE NOT DRAWN TO SCALE]
EDGE OF SOUNDING 1
SOUNDING 2
[1943 SOUNDING]
EDGE OF SOUNDING
BURIAL
WALLS OF LEVEL Ib
CONTEMPORARY GRAIN-BINS
SCALE OF METRES

Fig. 96

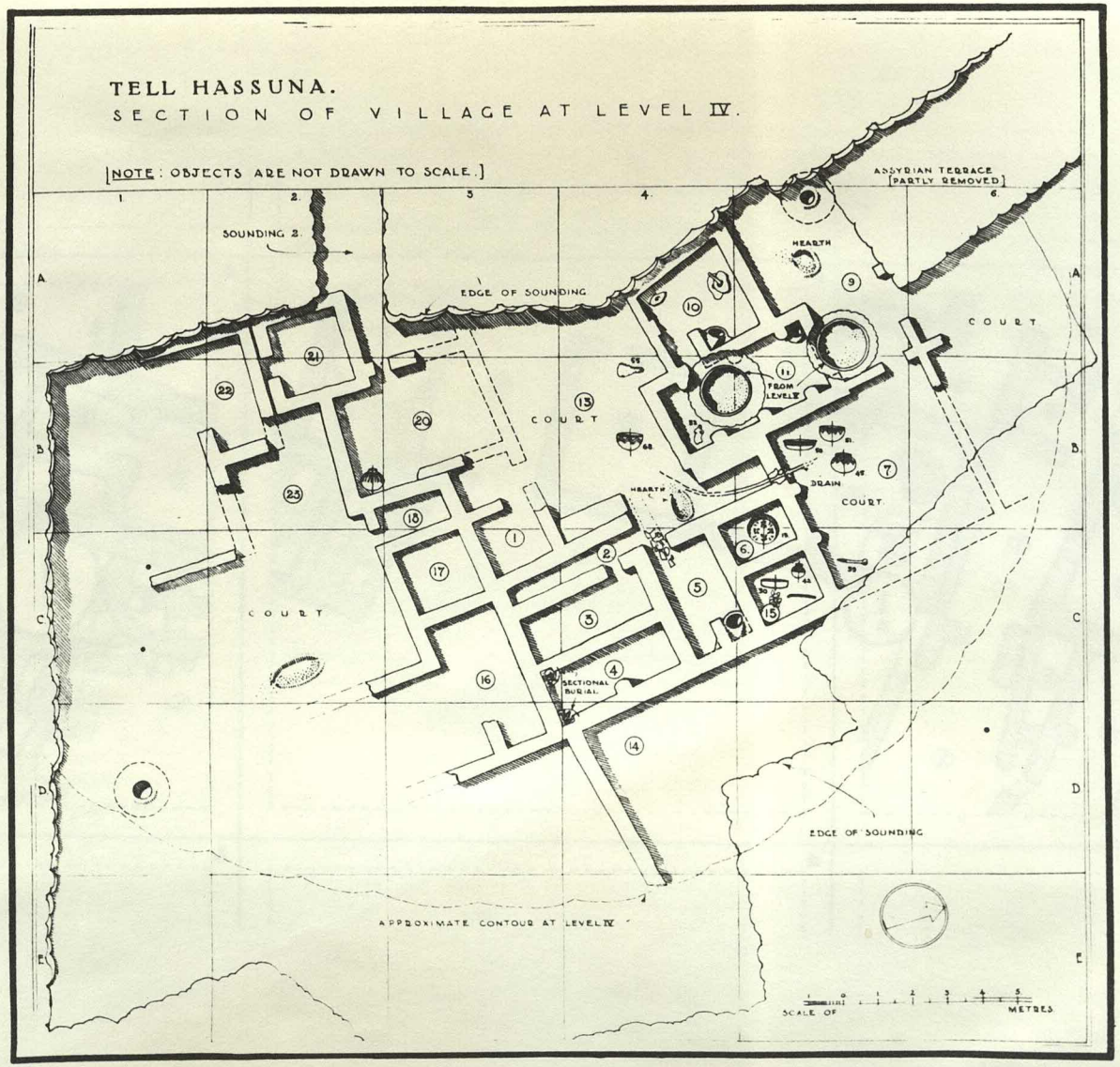

TELL HASSUNA.
SECTION OF VILLAGE AT LEVEL IV.
[NOTE: OBJECTS ARE NOT DRAWN TO SCALE.]
ASSYRIAN TERRACE [PARTLY REMOVED]
SOUNDING 2
EDGE OF SOUNDING
HEARTH
COURT
FROM LEVEL V
DRAIN
SECTIONAL BURIAL
EDGE OF SOUNDING
APPROXIMATE CONTOUR AT LEVEL IV
SCALE OF METRES

Fig. 97

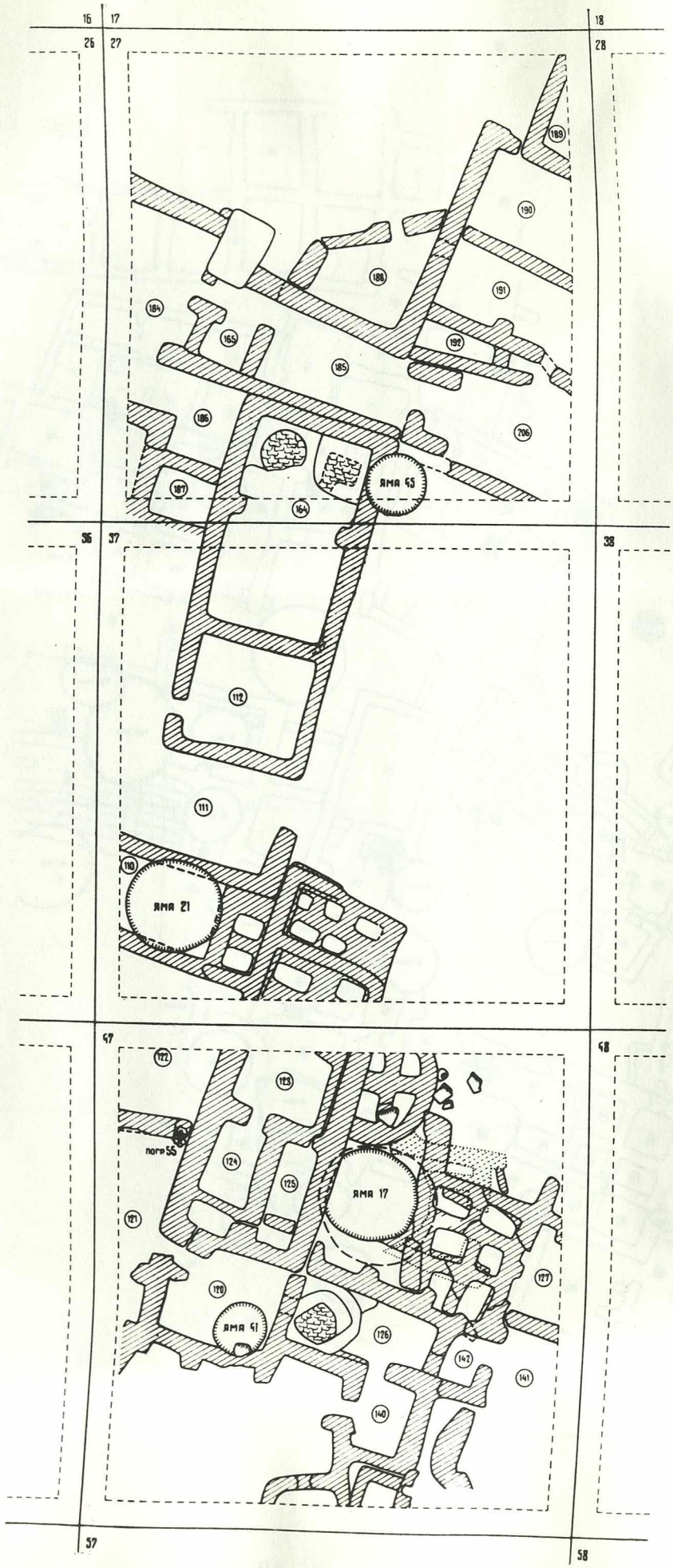

C
A
16
17
18
26
27
28
36
37
38
47
48
57
58
AMA 65
AMA 21
AMA 17
AMA 41
norte 55
164
165
184
185
186
187
188
189
190
191
192
206
110
111
112
120
121
122
123
124
125
126
127
140
141
142

Fig. 98

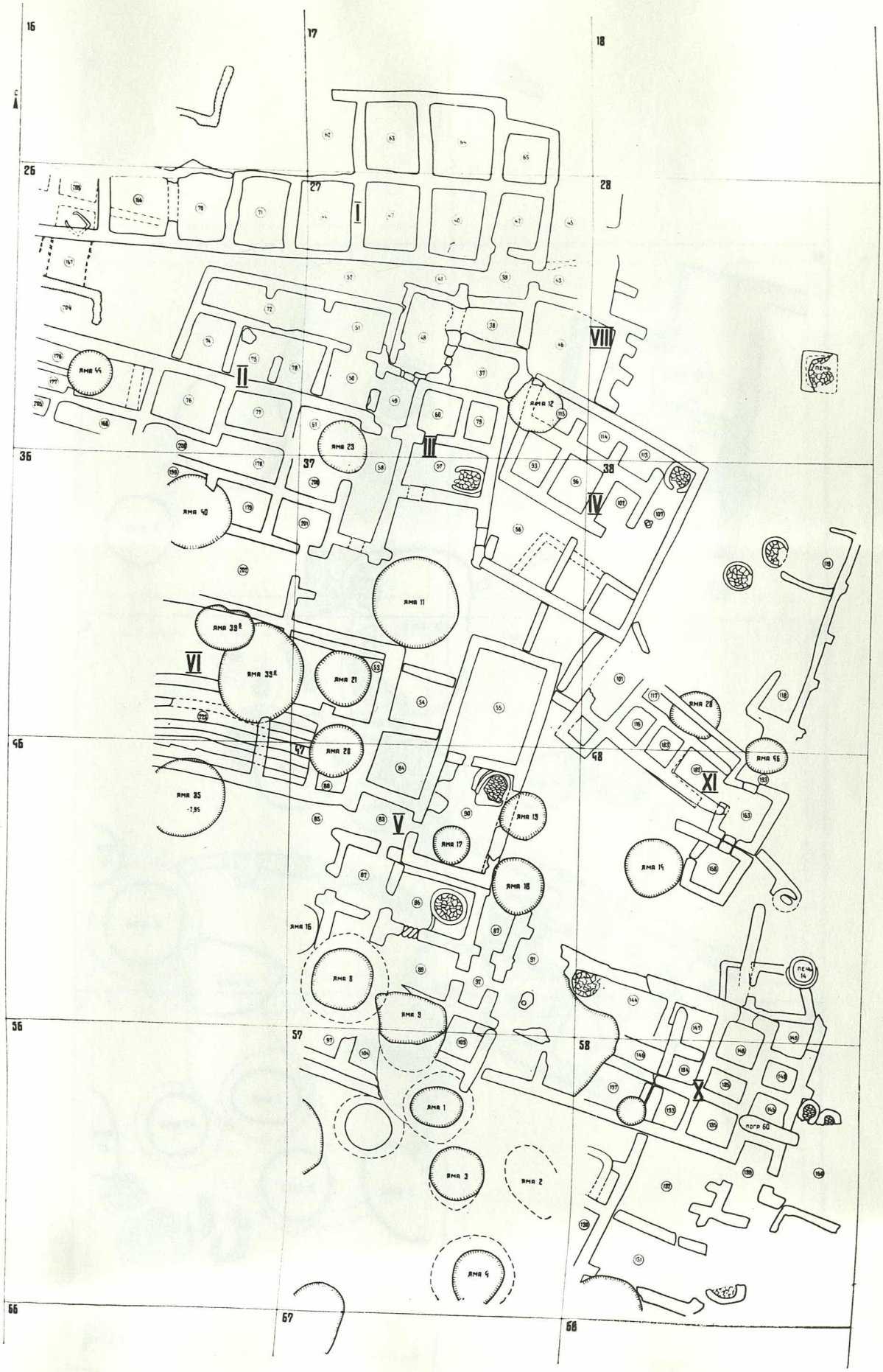

16
17
18
26
27
28
36
37
38
46
47
48
56
57
58
66
67
68
I
II
III
IV
V
VI
VII
VIII
X
XI
AMA 44
AMA 23
AMA 12
AMA 40
AMA 11
AMA 39E
AMA 21
AMA 28
AMA 35
-1,95
AMA 13
AMA 17
AMA 18
AMA 16
AMA 14
AMA 15
AMA 8
AMA 9
AMA 1
AMA 3
AMA 2
AMA 4
ПЕЧ 60
ПЕЧ 46
14
ПЕЧ 60

Fig. 99

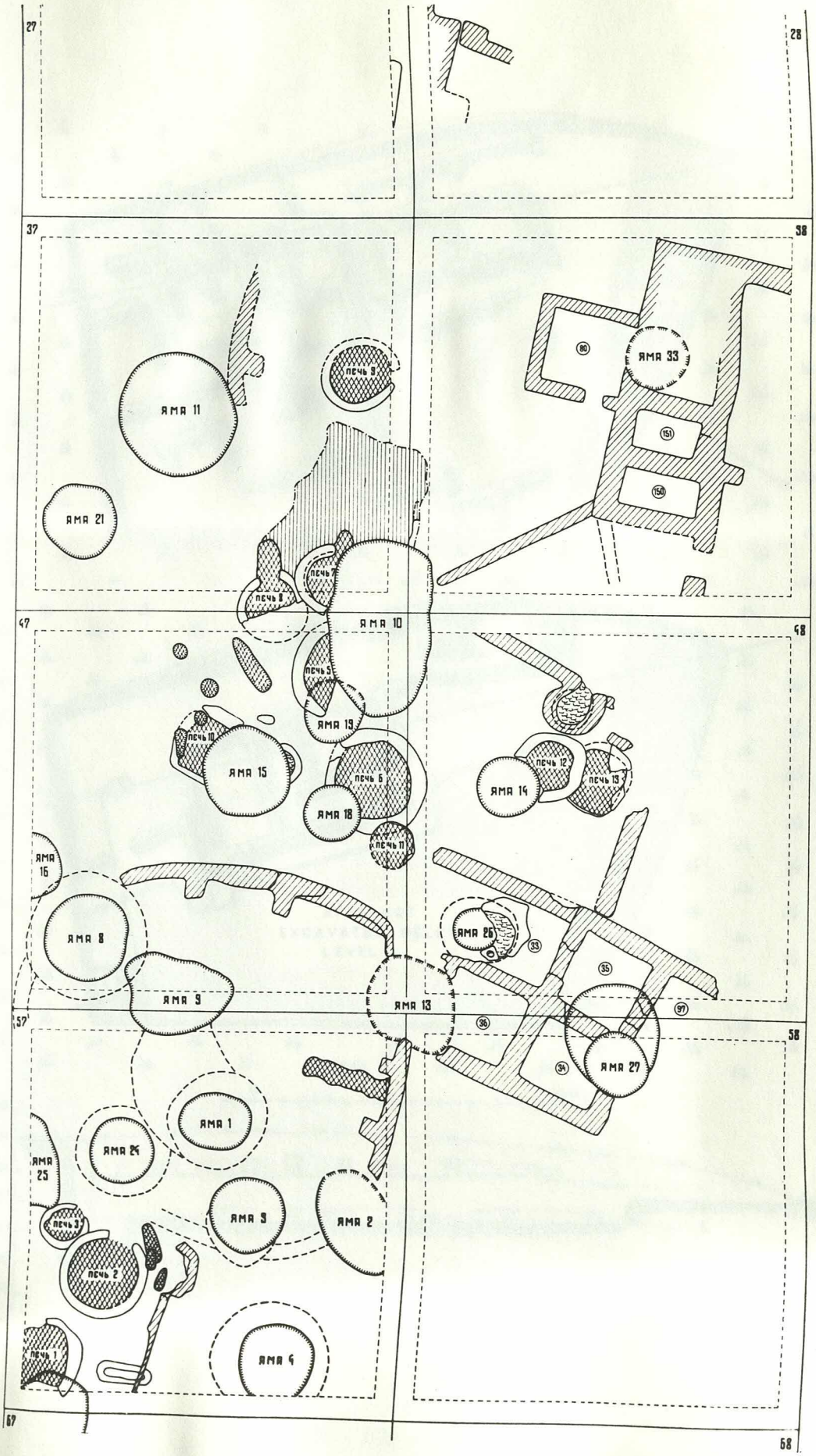

С
27
28
37
38
47
48
57
58
67
68
ЯМА 11
ЯМА 21
ЯМА 33
ЯМА 10
ЯМА 19
ЯМА 15
ЯМА 18
ЯМА 14
ЯМА 16
ЯМА 8
ЯМА 9
ЯМА 26
ЯМА 13
ЯМА 27
ЯМА 1
ЯМА 24
ЯМА 25
ЯМА 3
ЯМА 2
ЯМА 4
ПЕЧЬ 1
ПЕЧЬ 2
ПЕЧЬ 3
ПЕЧЬ 5
ПЕЧЬ 6
ПЕЧЬ 7
ПЕЧЬ 8
ПЕЧЬ 9
ПЕЧЬ 10
ПЕЧЬ 11
ПЕЧЬ 12
ПЕЧЬ 13
80
151
150
33
35
97
36
34

Fig. 100

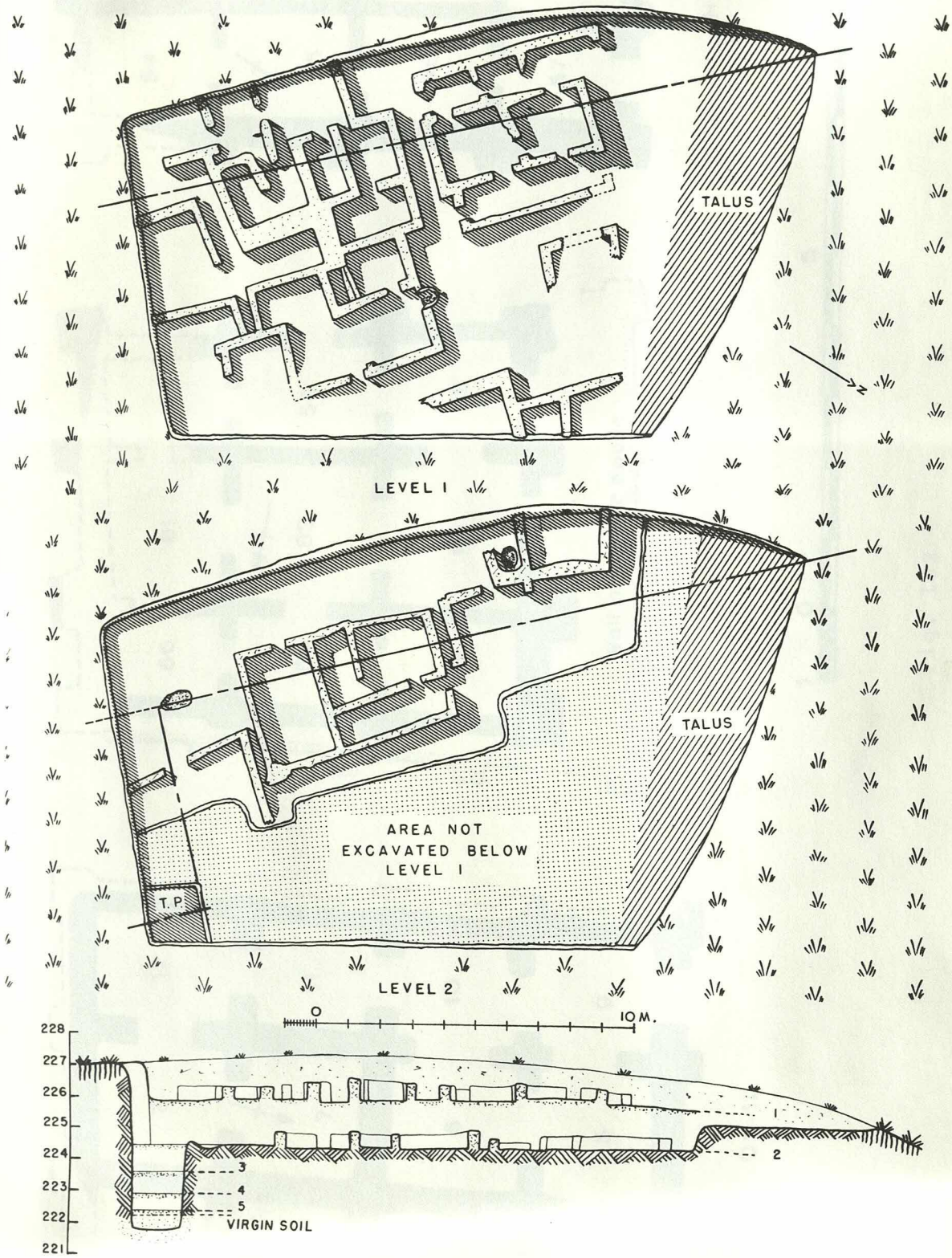

TALUS
LEVEL 1
TALUS
AREA NOT
EXCAVATED BELOW
LEVEL 1
T.P.
LEVEL 2
0
10 M.
228
227
226
225
224
223
222
221
1
2
3
4
5
VIRGIN SOIL

Fig. 101

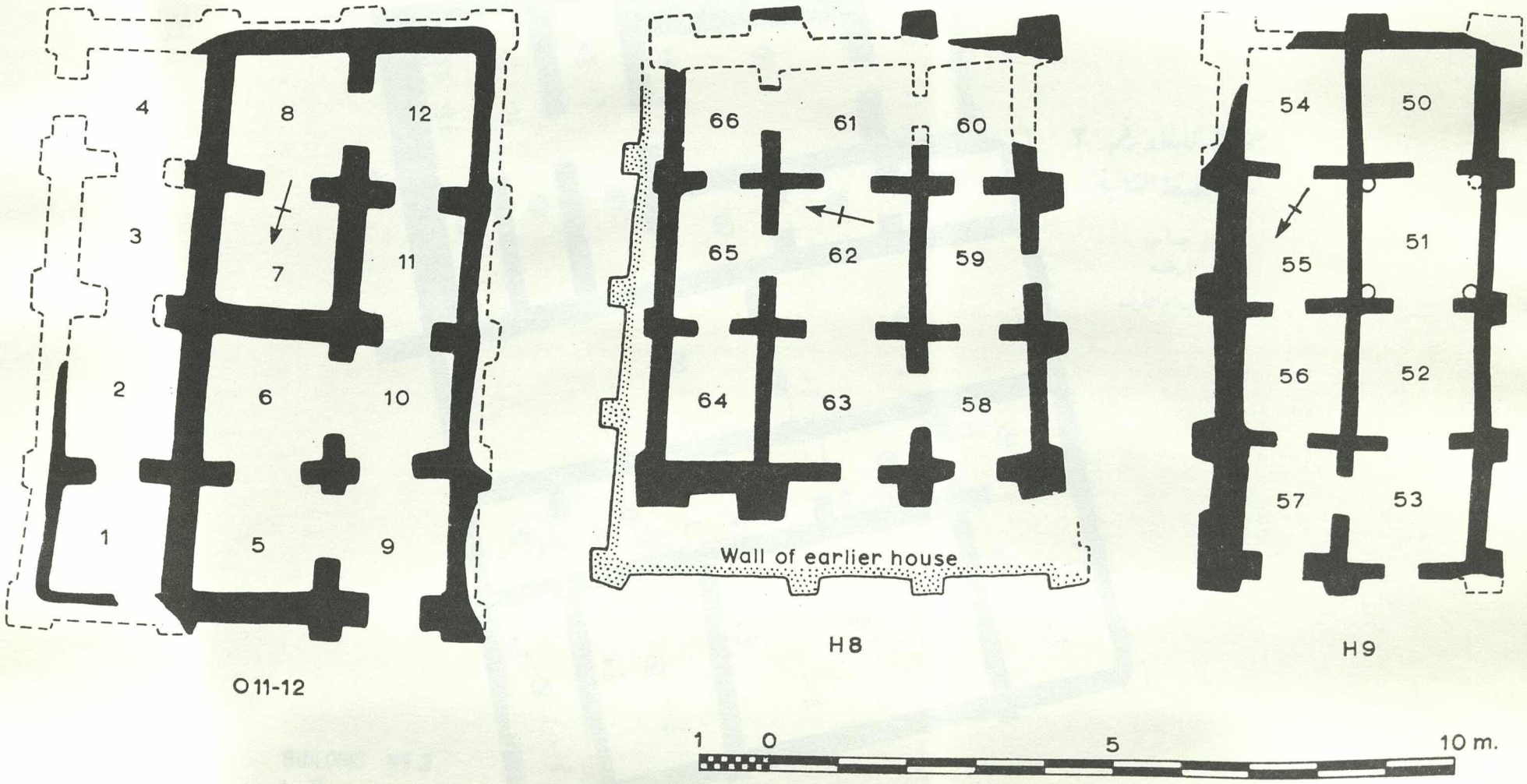

4
8
12
3
7
11
2
6
10
1
5
9
O11-12
66
61
60
65
62
59
64
63
58
Wall of earlier house
H8
54
50
55
51
56
52
57
53
H9
1 0 5 10 m.

Fig. 102

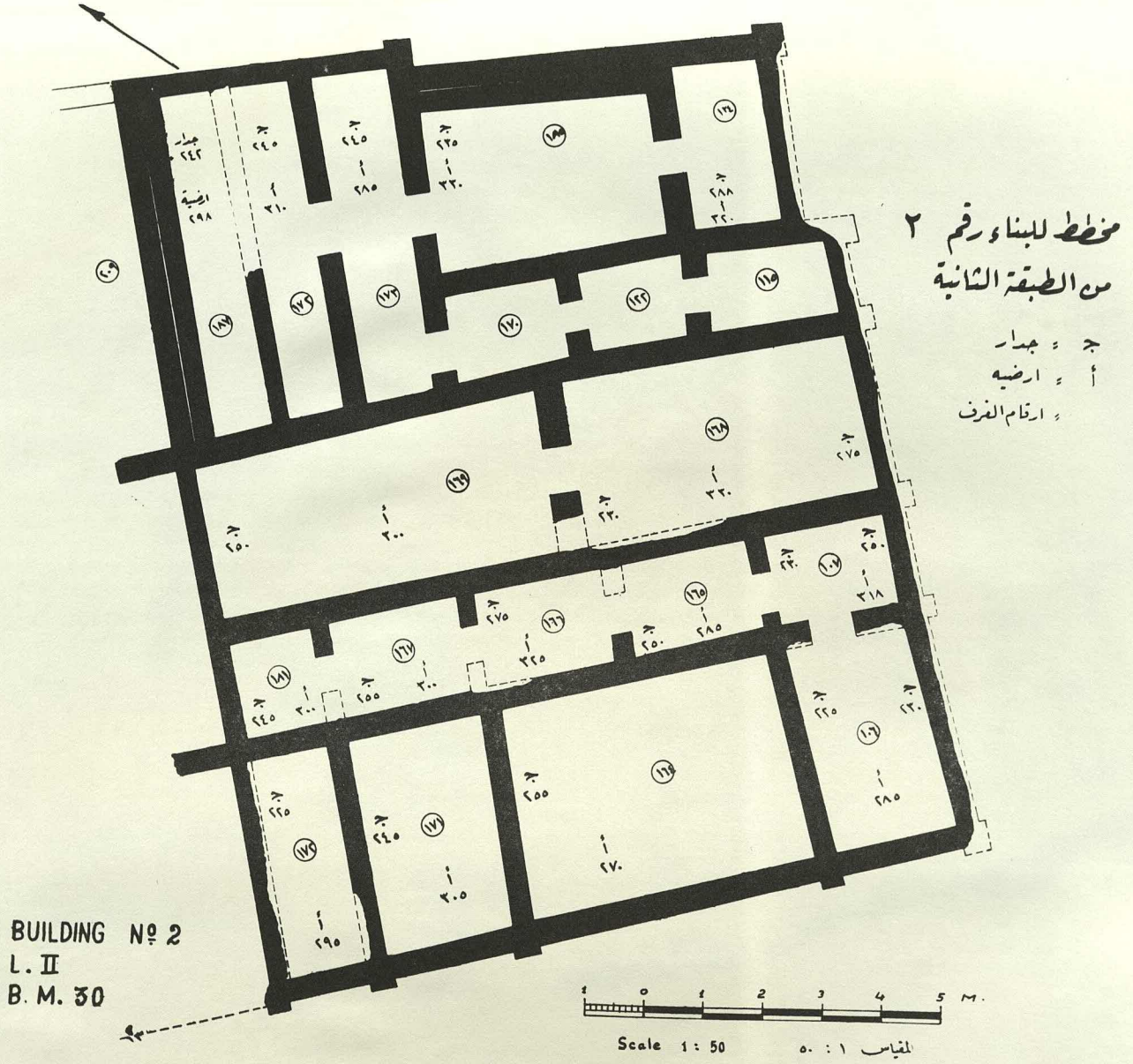

مخطط للبناء رقم ٢
من الطبقة الثانية
ج = جدار
أ = ارضيه
= ارقام الغرف
BUILDING Nº 2
L. II
B. M. 30
Scale 1 : 50
المقياس ١ : ٥٠

Fig. 103

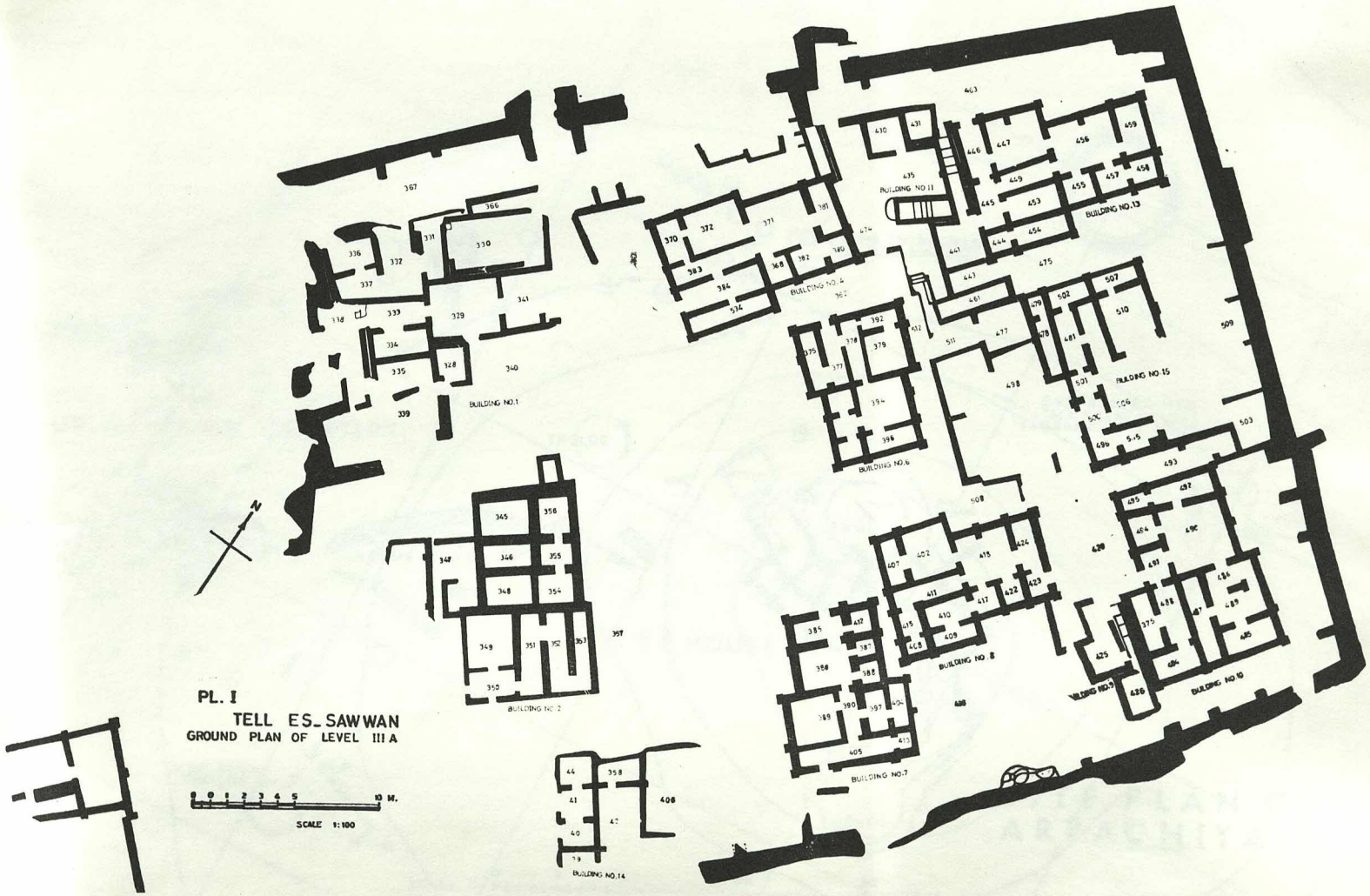

PL. I
TELL ES_SAWWAN
GROUND PLAN OF LEVEL III A
SCALE 1:100
BUILDING NO.1
BUILDING NO.2
BUILDING NO.4
BUILDING NO.5
BUILDING NO.6
BUILDING NO.7
BUILDING NO.8
BUILDING NO.10
BUILDING NO.11
BUILDING NO.13
BUILDING NO.14
BUILDING NO.15

Fig. 104

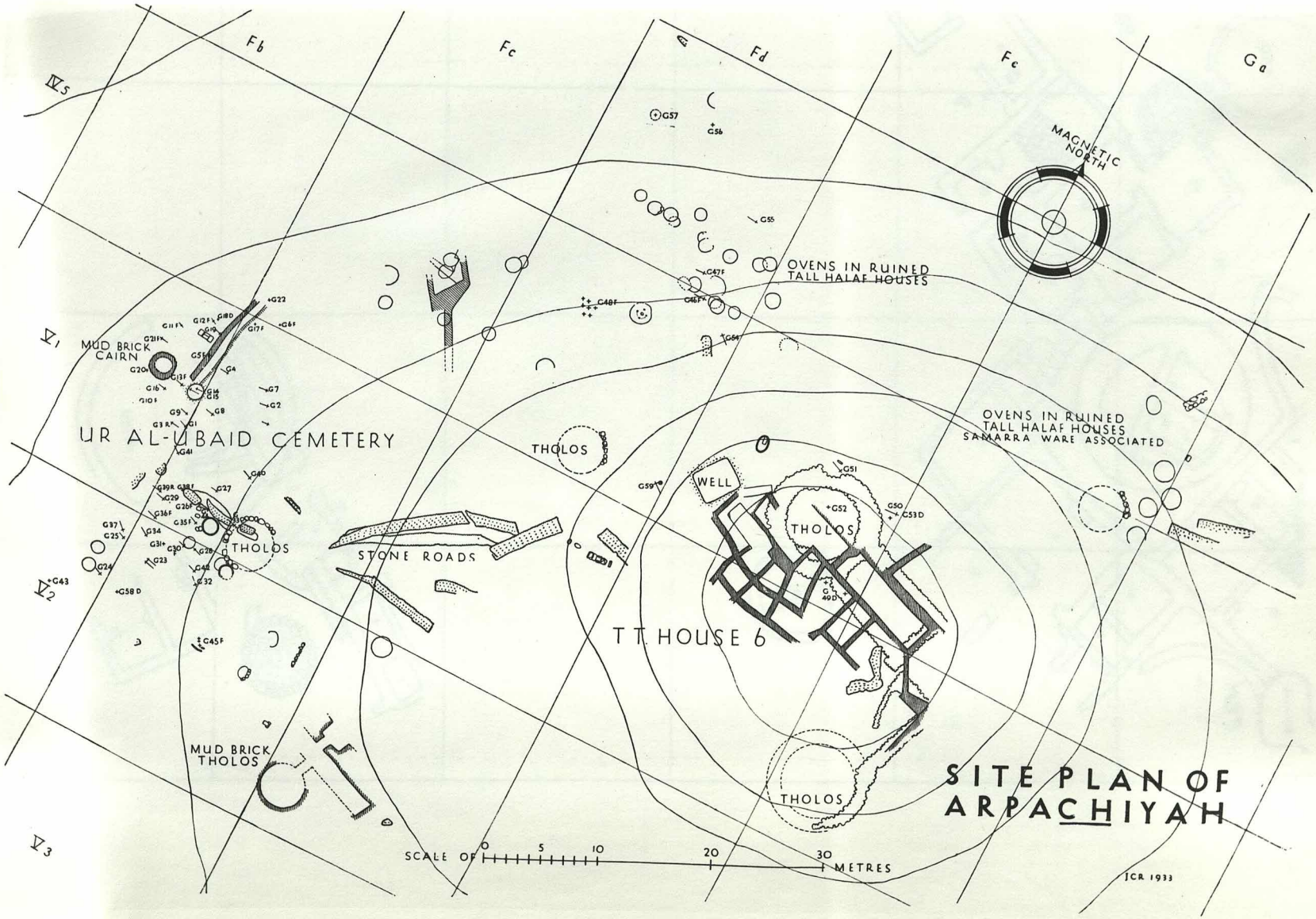

Fb
Fc
Fd
Fe
Ga
MAGNETIC NORTH
OVENS IN RUINED TALL HALAF HOUSES
MUD BRICK CAIRN
UR AL-UBAID CEMETERY
THOLOS
STONE ROADS
WELL
TT HOUSE 6
OVENS IN RUINED TALL HALAF HOUSES SAMARRA WARE ASSOCIATED
MUD BRICK THOLOS
SCALE OF 0 5 10 20 30 METRES
JCR 1933
SITE PLAN OF ARPACHIYAH

Fig. 105

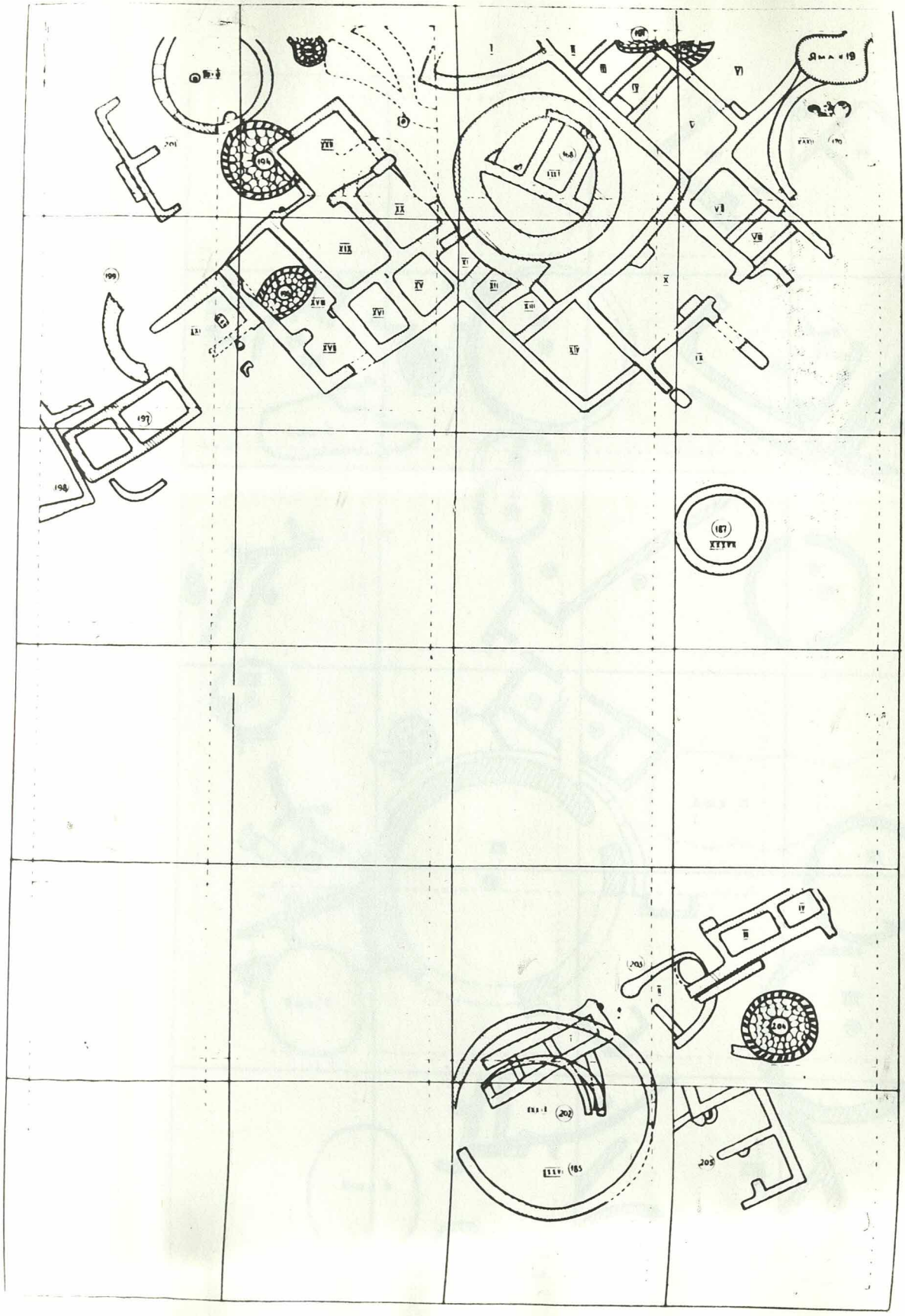


Fig. 106

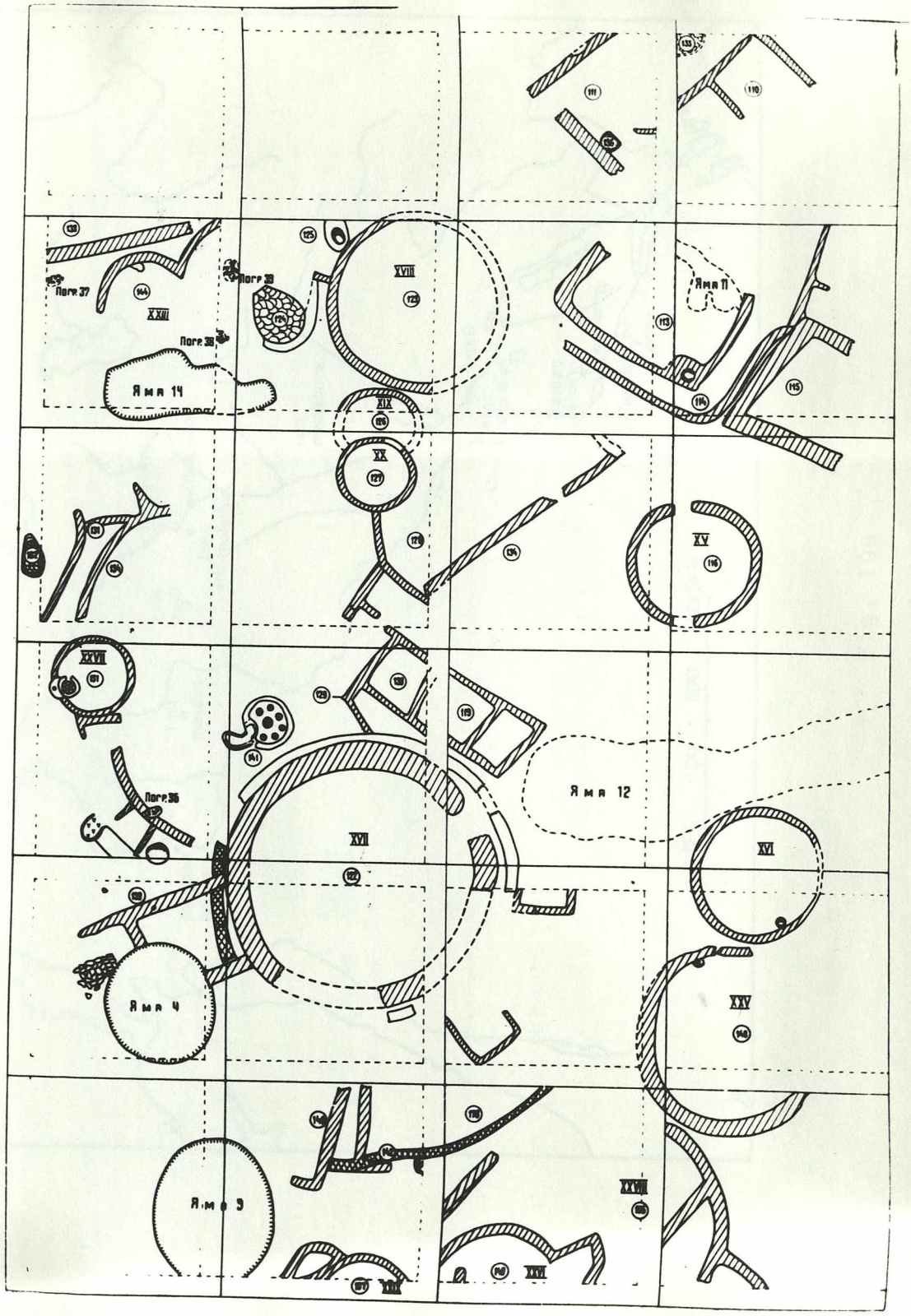


Fig. 107

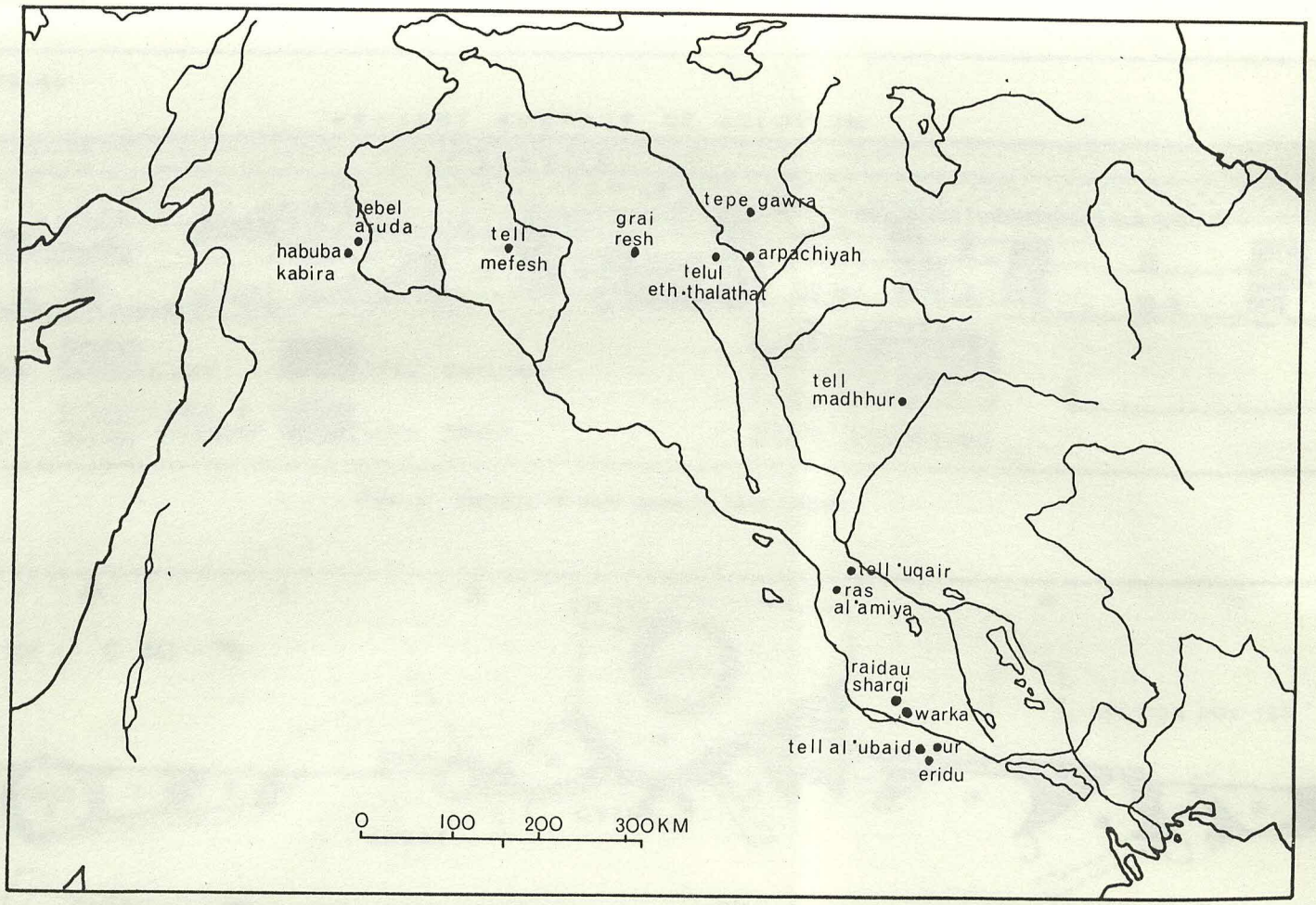

jebel
aruda
habuba
kabira
tell
mefesh
grai
resh
tepe gawra
arpachiyah
telul
eth-thalathat
tell
madhhur
tell 'uqair
ras
al 'amiya
raidau
sharqi
warka
tell al 'ubaid
ur
eridu
0
100
200
300KM

Fig. 108

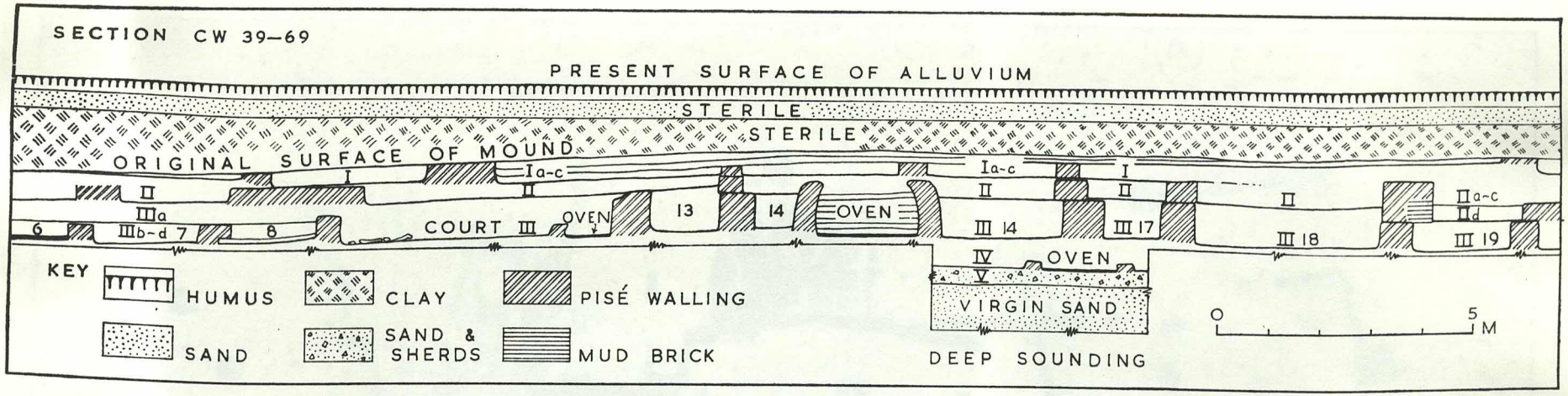


FIG. 4. Section of west bank of Side Canal.

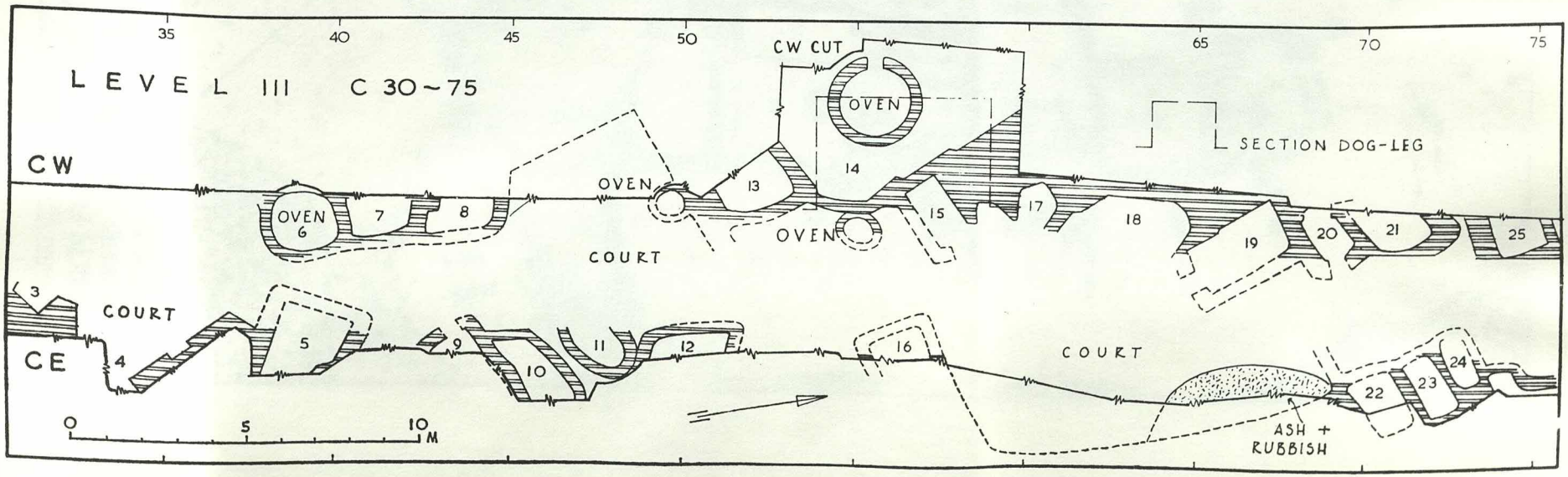


Fig. 109

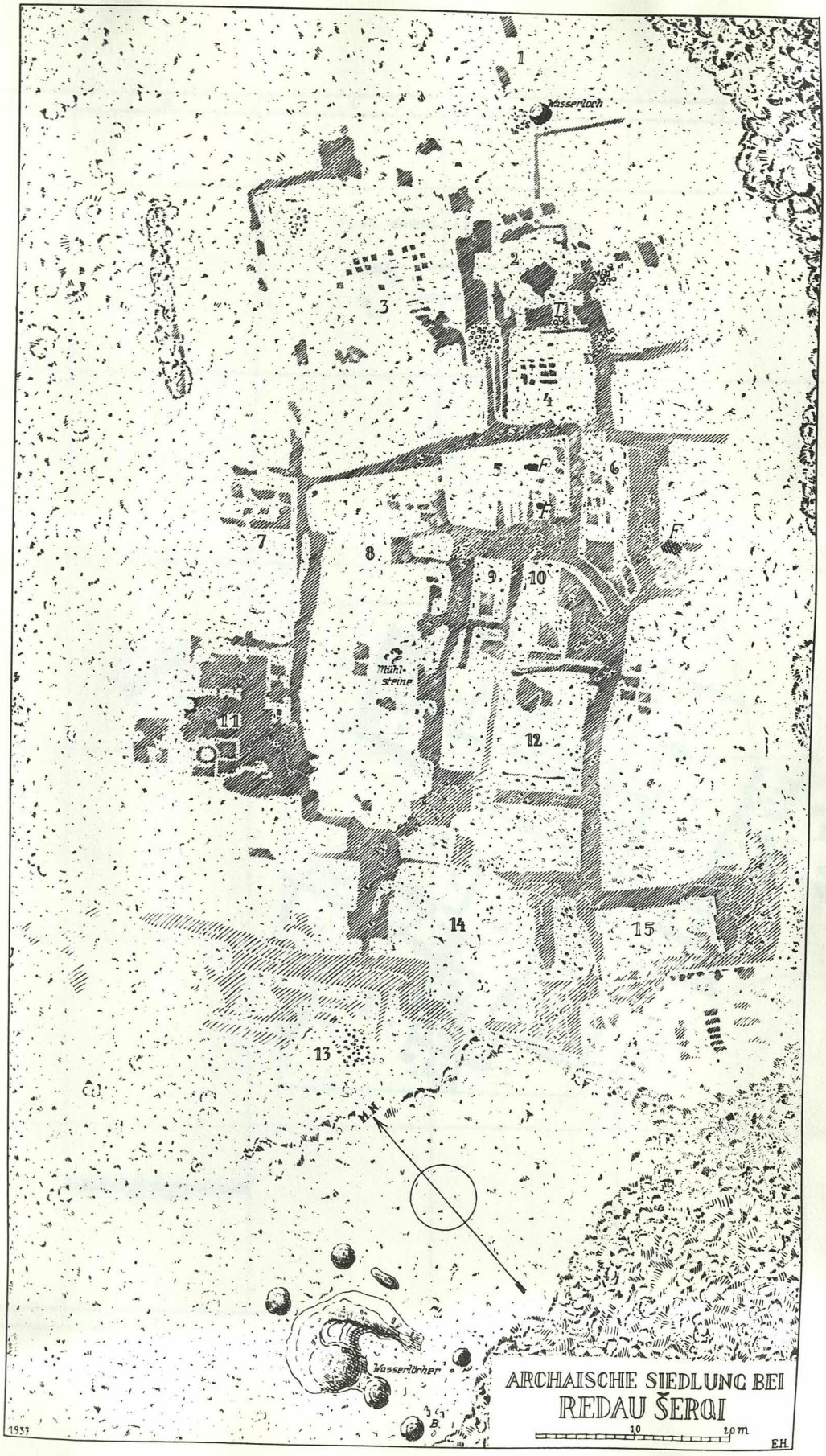

1
Wasserloch
2
3
4
5
6
7
8
9
10
Mühl-
steine
11
12
13
14
15
N
Wasserlöcher
ARCHAISCHE SIEDLUNG BEI
REDAU ŠERQI
10
20 m
1937
EH

Fig. 110

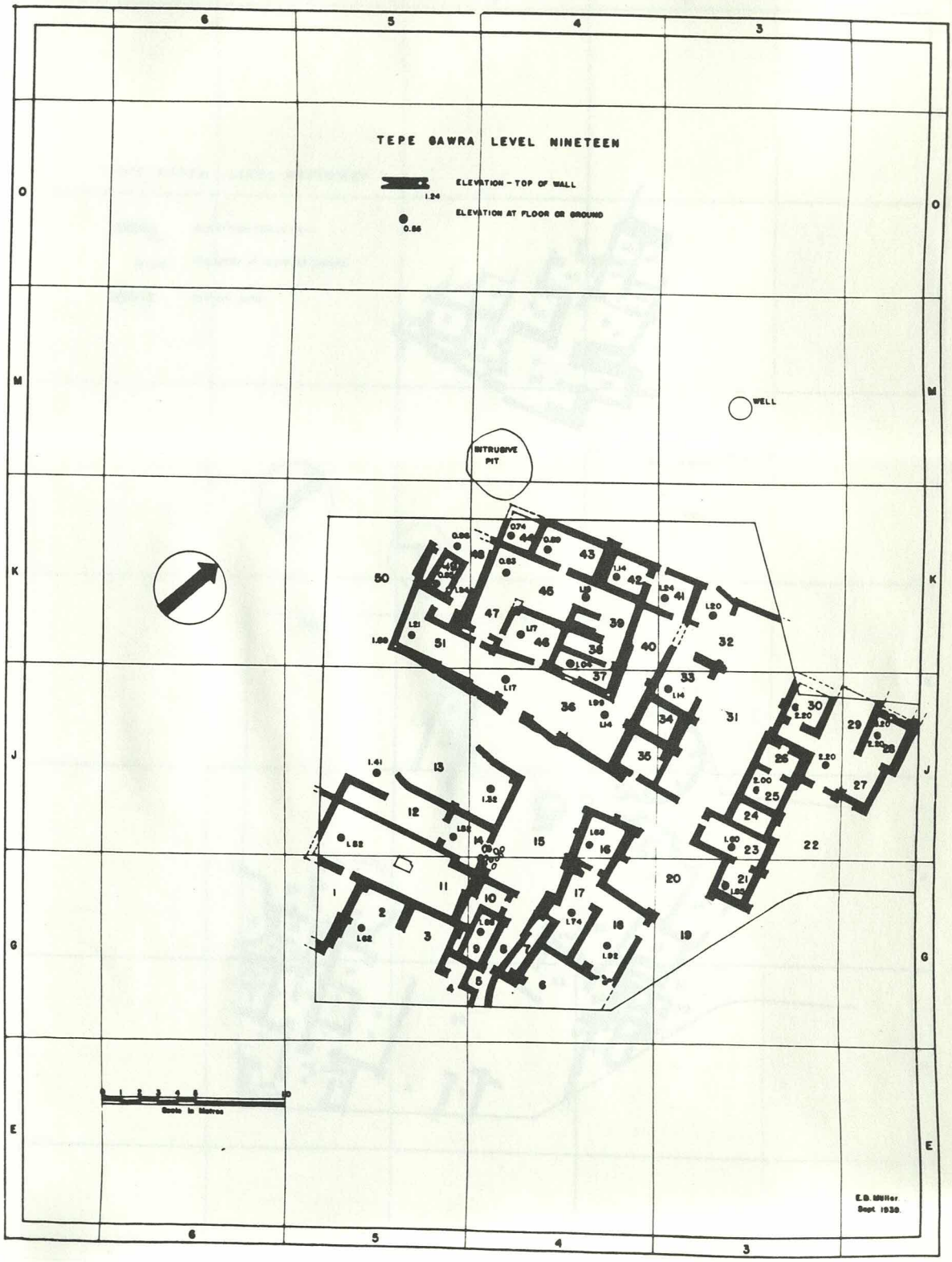

TEPE GAWRA LEVEL NINETEEN
ELEVATION - TOP OF WALL
1.24
ELEVATION AT FLOOR OR GROUND
0.86
WELL
INTRUSIVE PIT
Scale in Metres
E.D. Miller
Sept. 1938.

Fig. 111

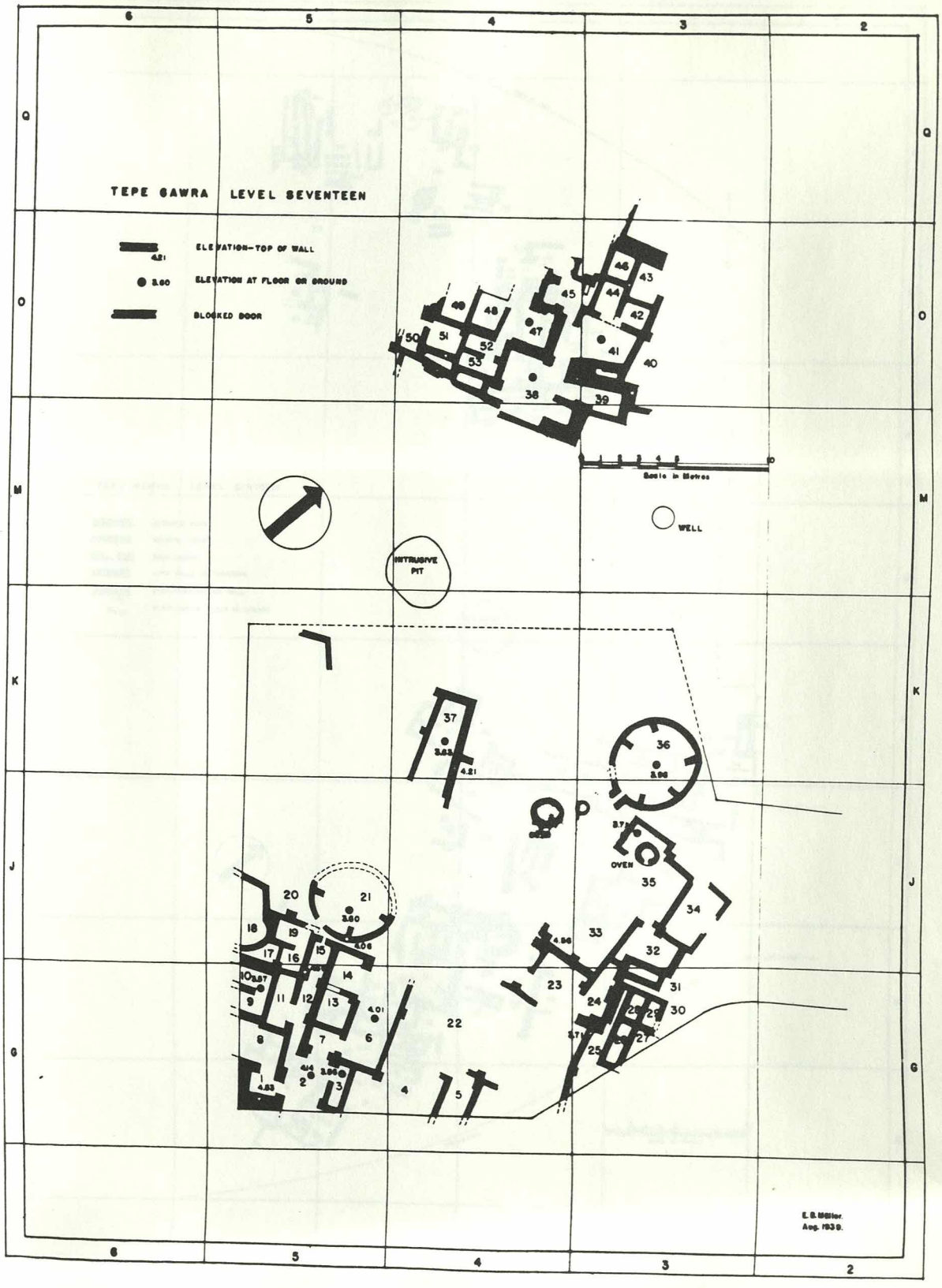

TEPE GAWRA LEVEL SEVENTEEN
ELEVATION—TOP OF WALL
ELEVATION AT FLOOR OR GROUND
BLOCKED DOOR
Scale in Metres
WELL
INTRUSIVE PIT
OVEN
E. A. Speiser
Aug. 1939.

Fig. 112

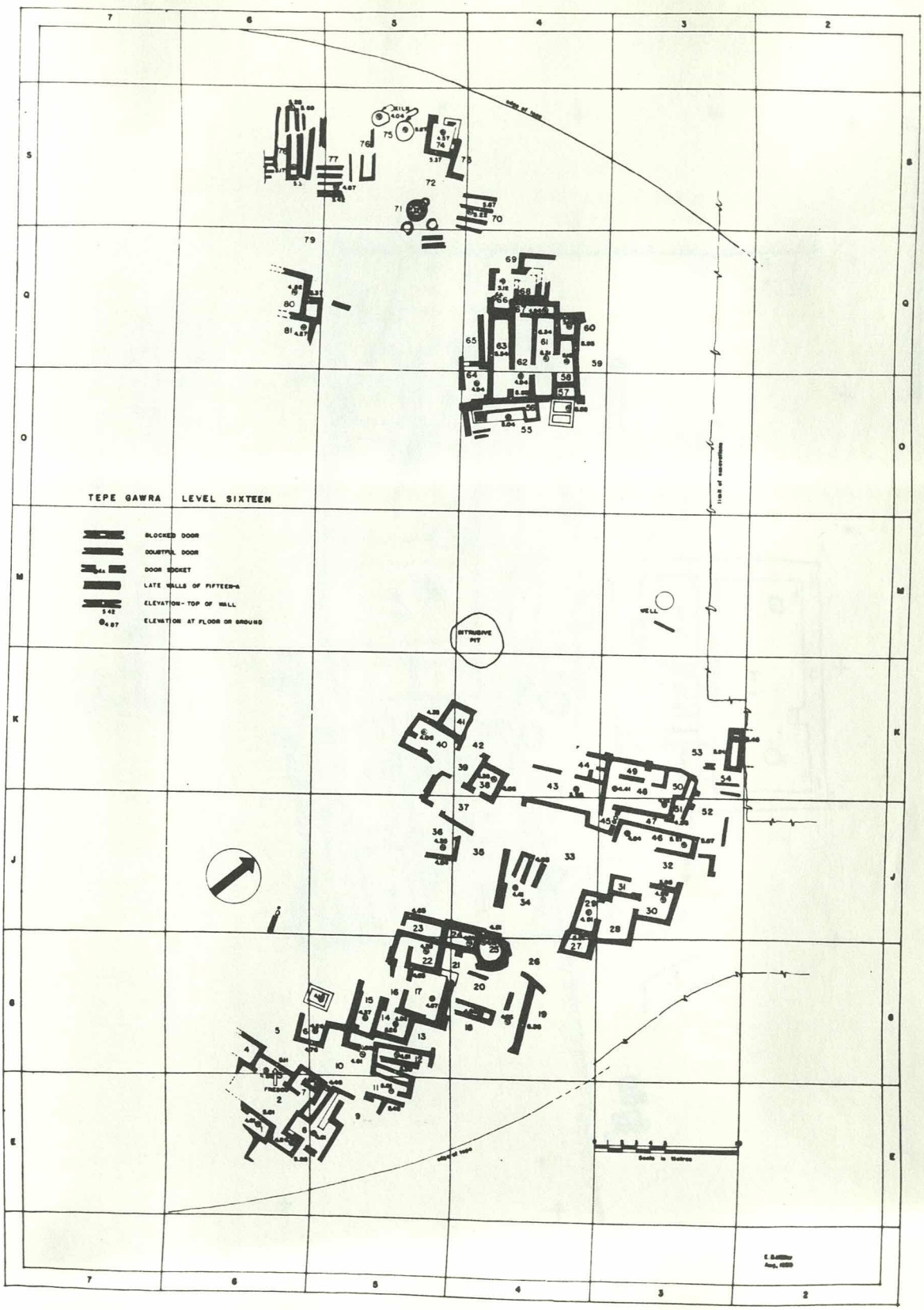

TEPE GAWRA LEVEL SIXTEEN
BLOCKED DOOR
DOUBTFUL DOOR
DOOR SOCKET
LATE WALLS OF FIFTEEN-A
ELEVATION - TOP OF WALL
ELEVATION AT FLOOR OR GROUND
INTRUSIVE PIT
WELL

Fig. 113

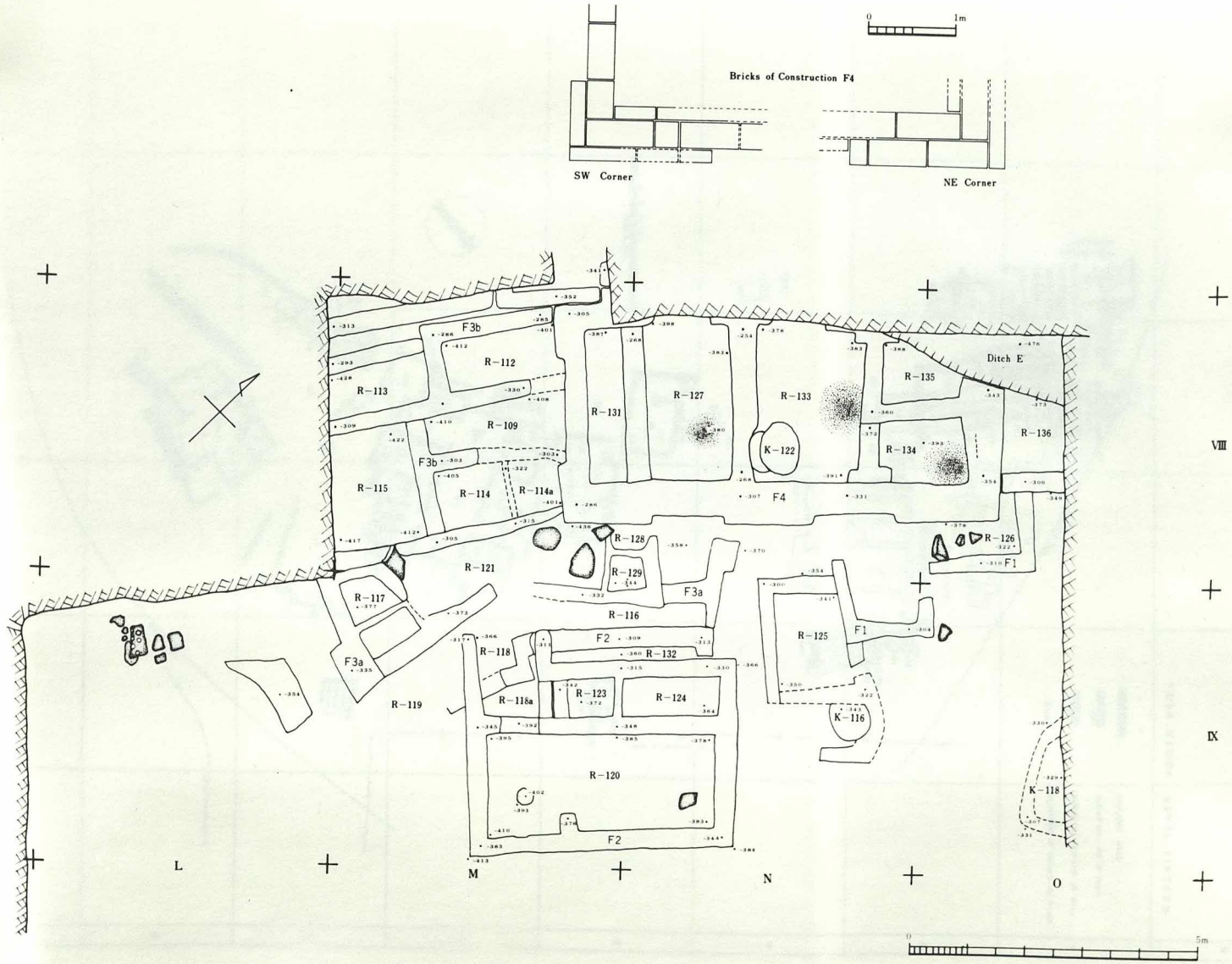

0 1m
Bricks of Construction F4
SW Corner
NE Corner
R-112
R-113
R-109
R-115
R-114
R-114a
R-131
R-127
R-133
R-135
Ditch E
R-136
K-122
R-134
F4
R-128
R-129
R-126
F1
R-121
R-117
F3a
R-116
R-125
F1
R-118
F2
R-132
R-118a
R-123
R-124
R-119
K-116
R-120
K-118
F2
L
M
N
O
VIII
IX
0 5m

Fig. 114

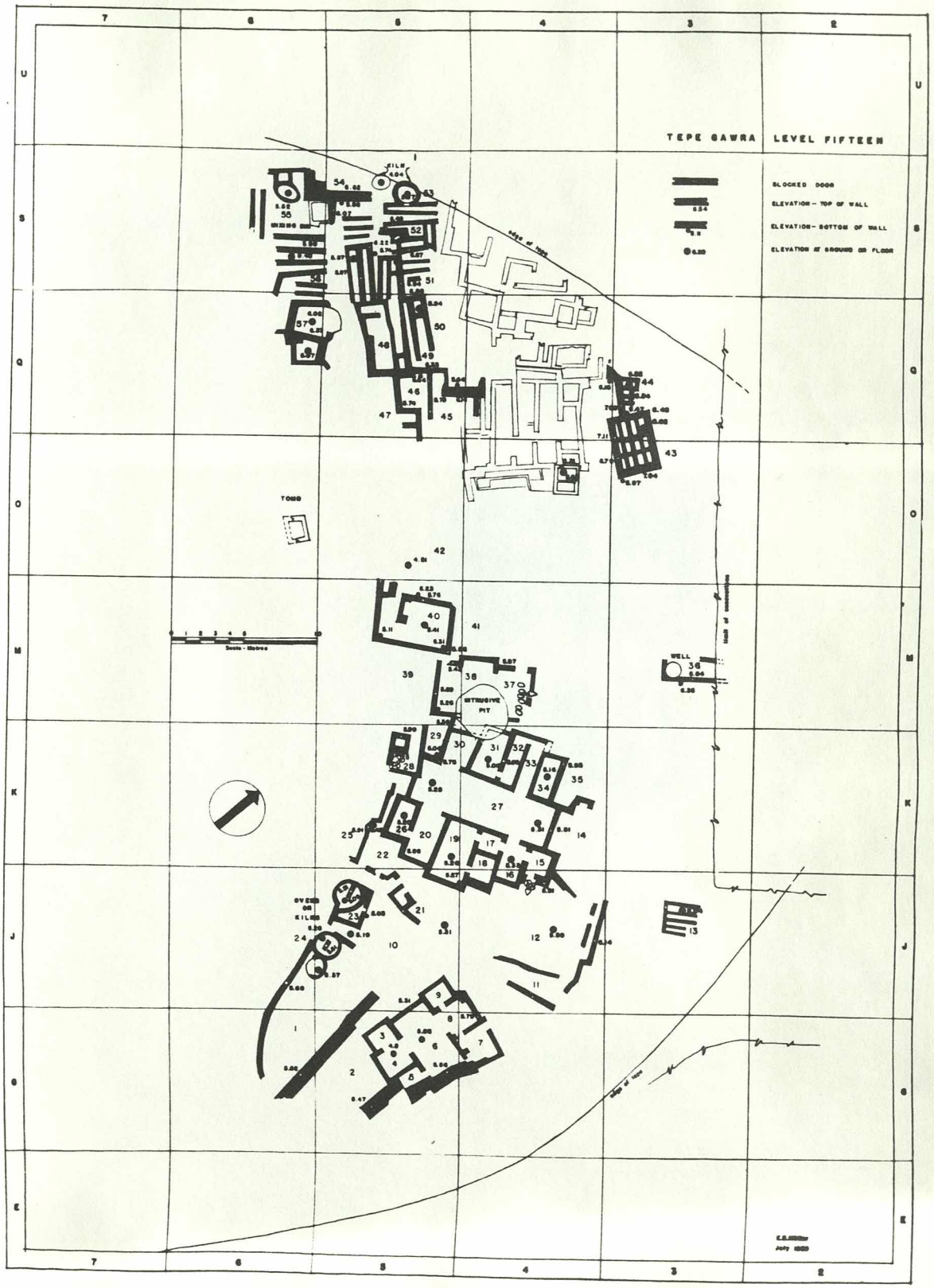

TEPE GAWRA
LEVEL FIFTEEN
BLOCKED DOOR
ELEVATION – TOP OF WALL
ELEVATION – BOTTOM OF WALL
ELEVATION OF GROUND OR FLOOR
TOMB
WELL
INTRUSIVE PIT
OVENS OR KILNS

Fig. 115

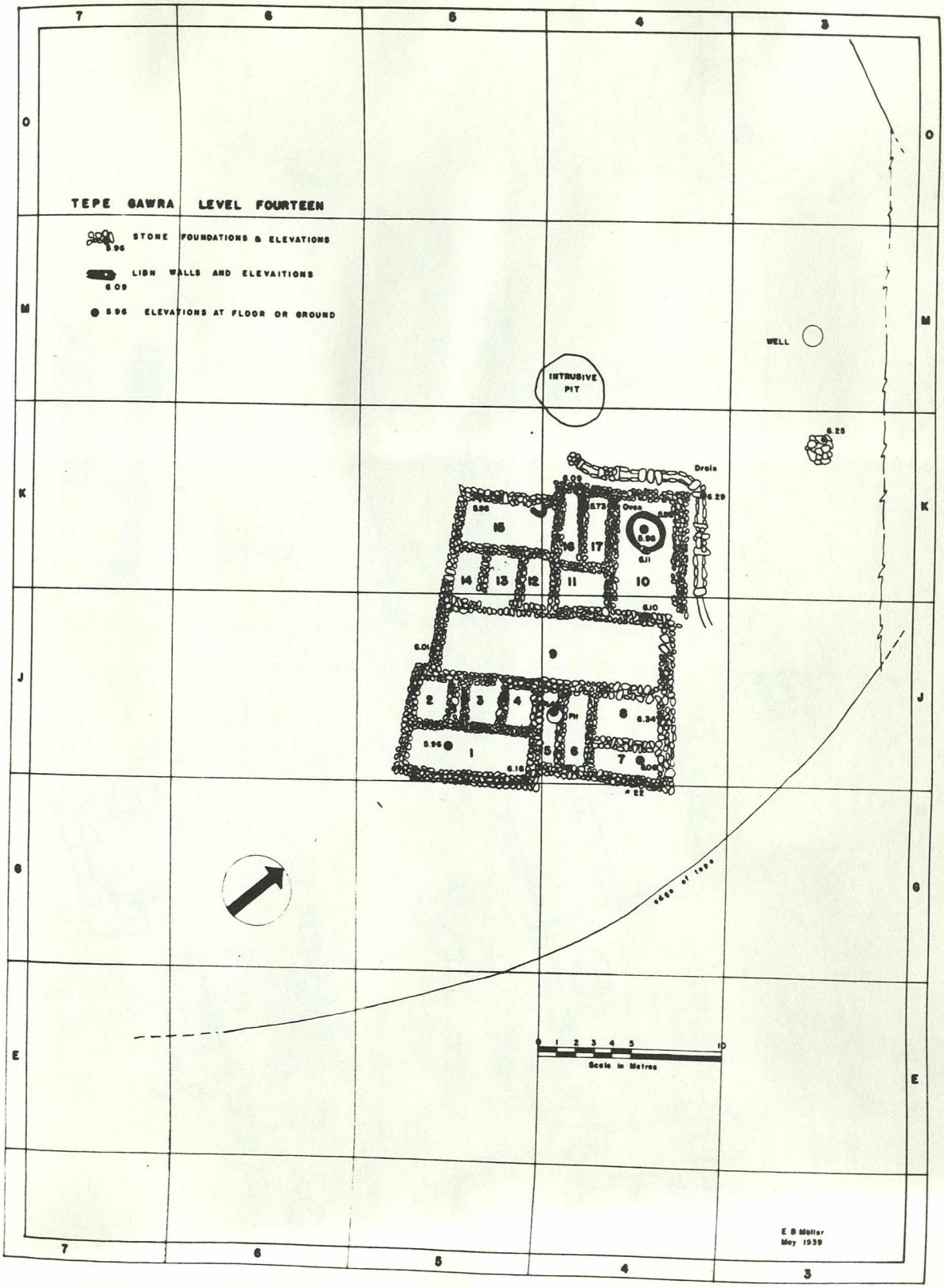

TEPE GAWRA LEVEL FOURTEEN
STONE FOUNDATIONS & ELEVATIONS
LIBN WALLS AND ELEVAITIONS
ELEVATIONS AT FLOOR OR GROUND
INTRUSIVE PIT
WELL
Drain
Oven
Scale in Metres
E B Muller
May 1939

Fig. 116


L
M
N
O
パン焼きかまど Oven C-O.4
Door socket
第49号人骨 Skeletal remains No. 49
C-R.1
C-R.2
土製容器 Bin
土器 Pottery
C-R.3
第37号人骨 Skeletal remains No. 37
中庭 Courtyard
炉址 Hearth
第38号人骨 Skeletal remains No. 38
C-R.4
C-R.5
C-R.6
C-R.7
C-R.8
C-R.9
C-R.10
パン焼きかまど Oven C-O.1
パン焼きかまど Oven C-O.2
パン焼きかまど Oven C-O.3
C-K.1 Kiln
A-R.3
土器スタンド Vessel stand
壁土塗り Plaster
灰層 Ash
黒色土層 Brownish soil
土器スタンド Vessel stand

Fig. 117

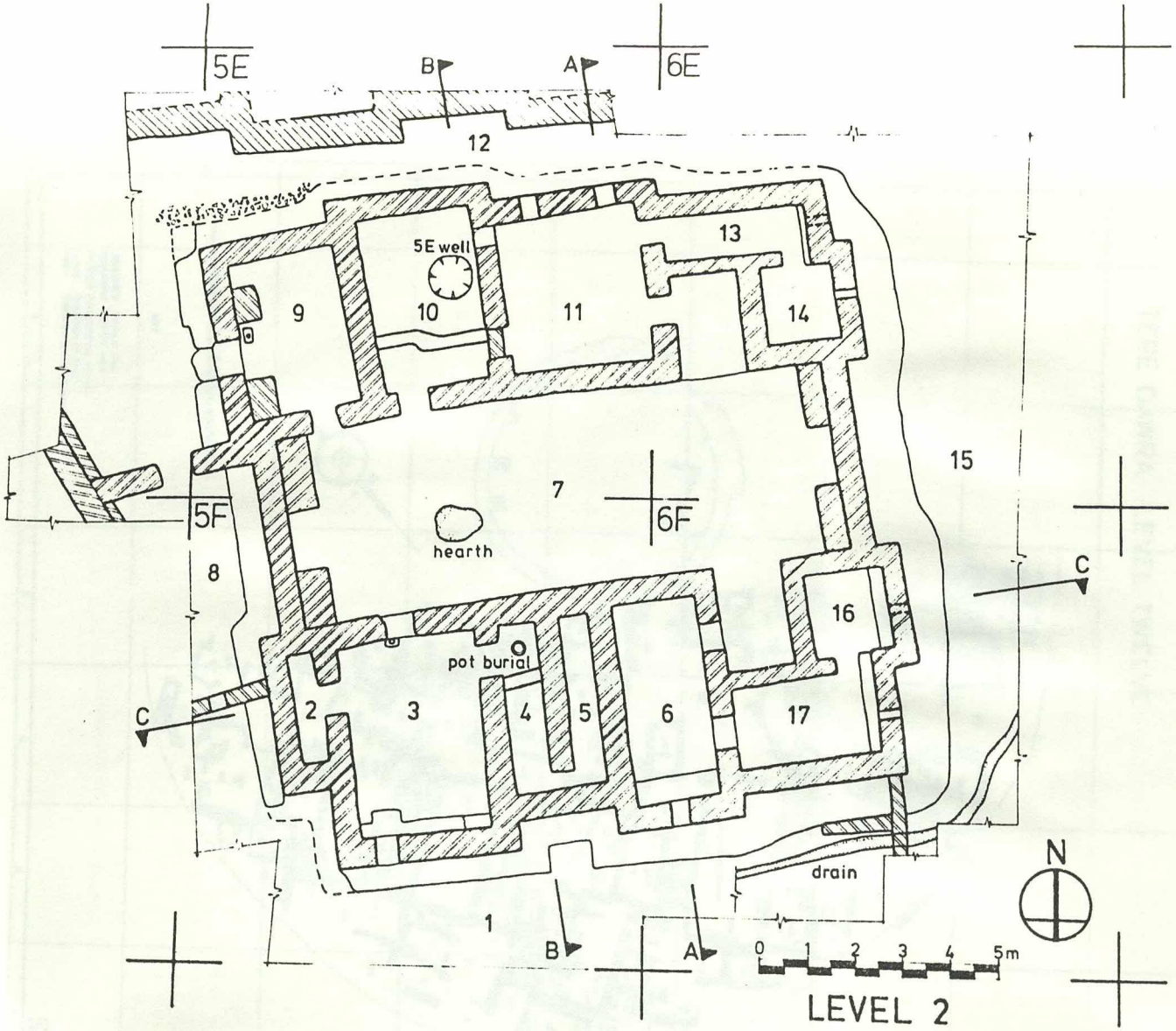

5E
B
A
6E
12
5E well
13
9
10
11
14
15
7
5F
6F
hearth
8
C
16
pot burial
2
3
4
5
6
17
C
drain
N
1
B
A
0 1 2 3 4 5m
LEVEL 2

Fig. 118

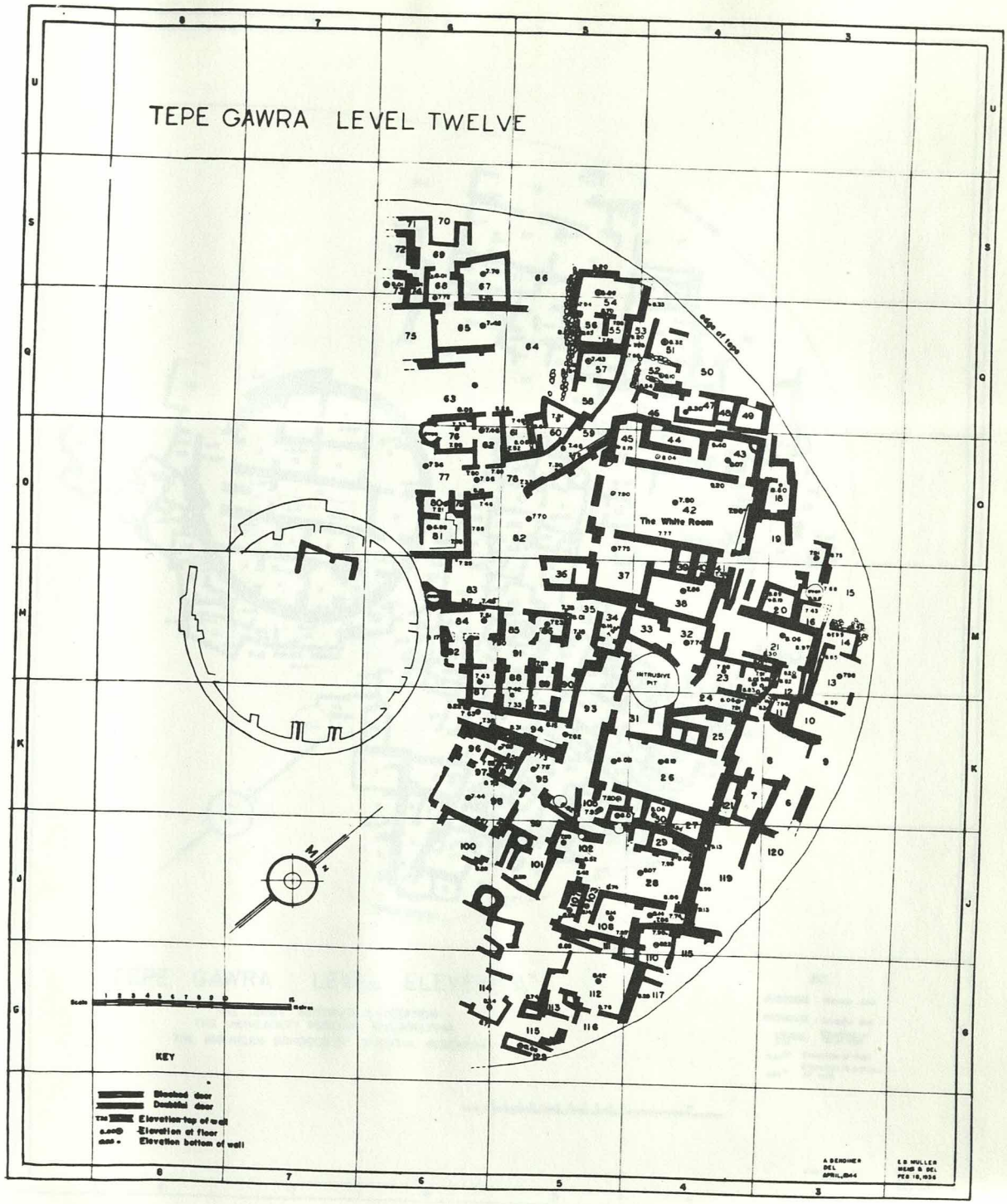

TEPE GAWRA LEVEL TWELVE
The White Room
INTRUSIVE PIT
edge of tepe
KEY
Blocked door
Doubtful door
Elevation-top of wall
Elevation at floor
Elevation bottom of wall

Fig. 119

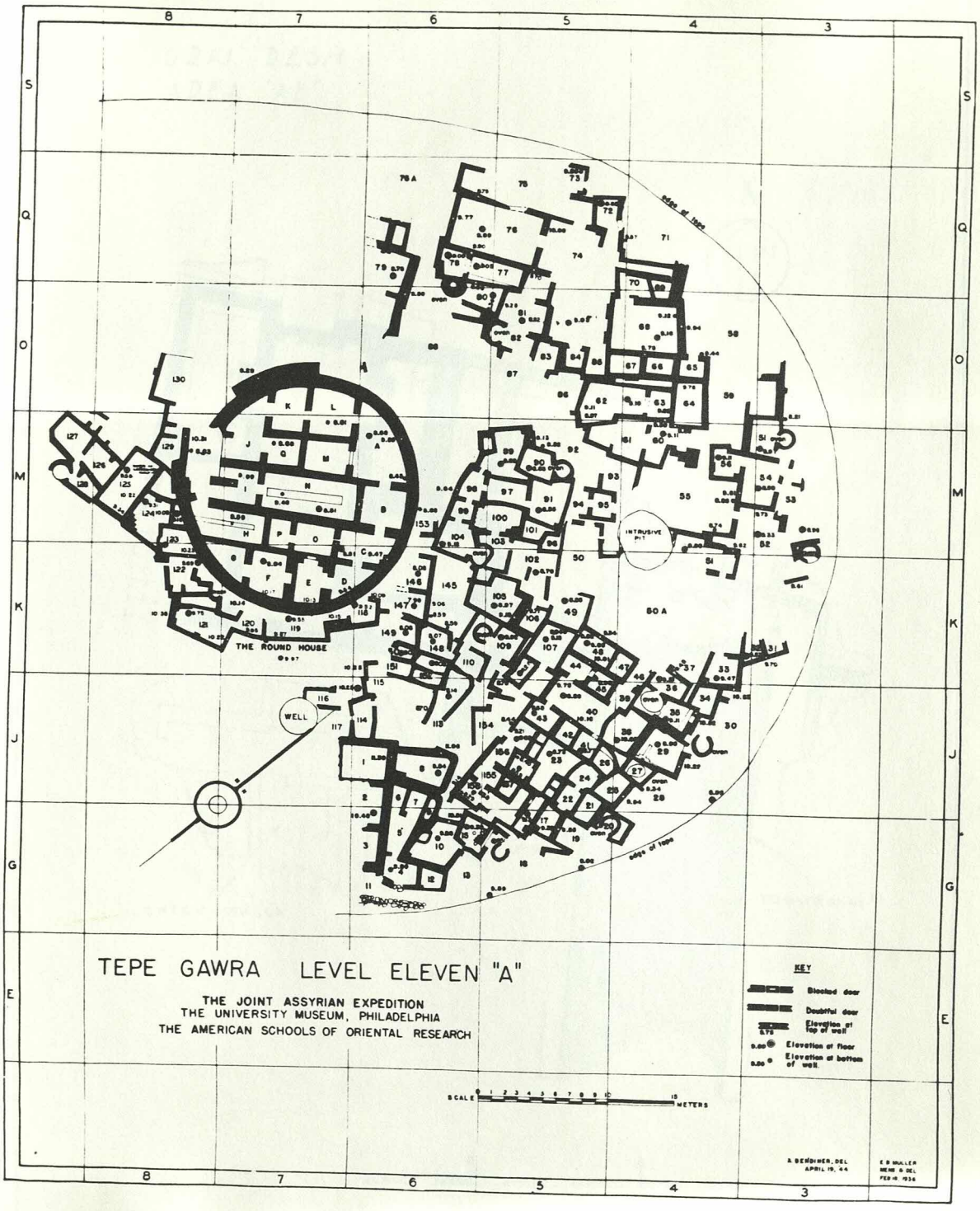

TEPE GAWRA LEVEL ELEVEN "A"
THE JOINT ASSYRIAN EXPEDITION
THE UNIVERSITY MUSEUM, PHILADELPHIA
THE AMERICAN SCHOOLS OF ORIENTAL RESEARCH
THE ROUND HOUSE
WELL
INTRUSIVE PIT
KEY
Blocked door
Doubtful door
Elevation at top of wall
Elevation at floor
Elevation at bottom of wall
SCALE
METERS

Fig. 120

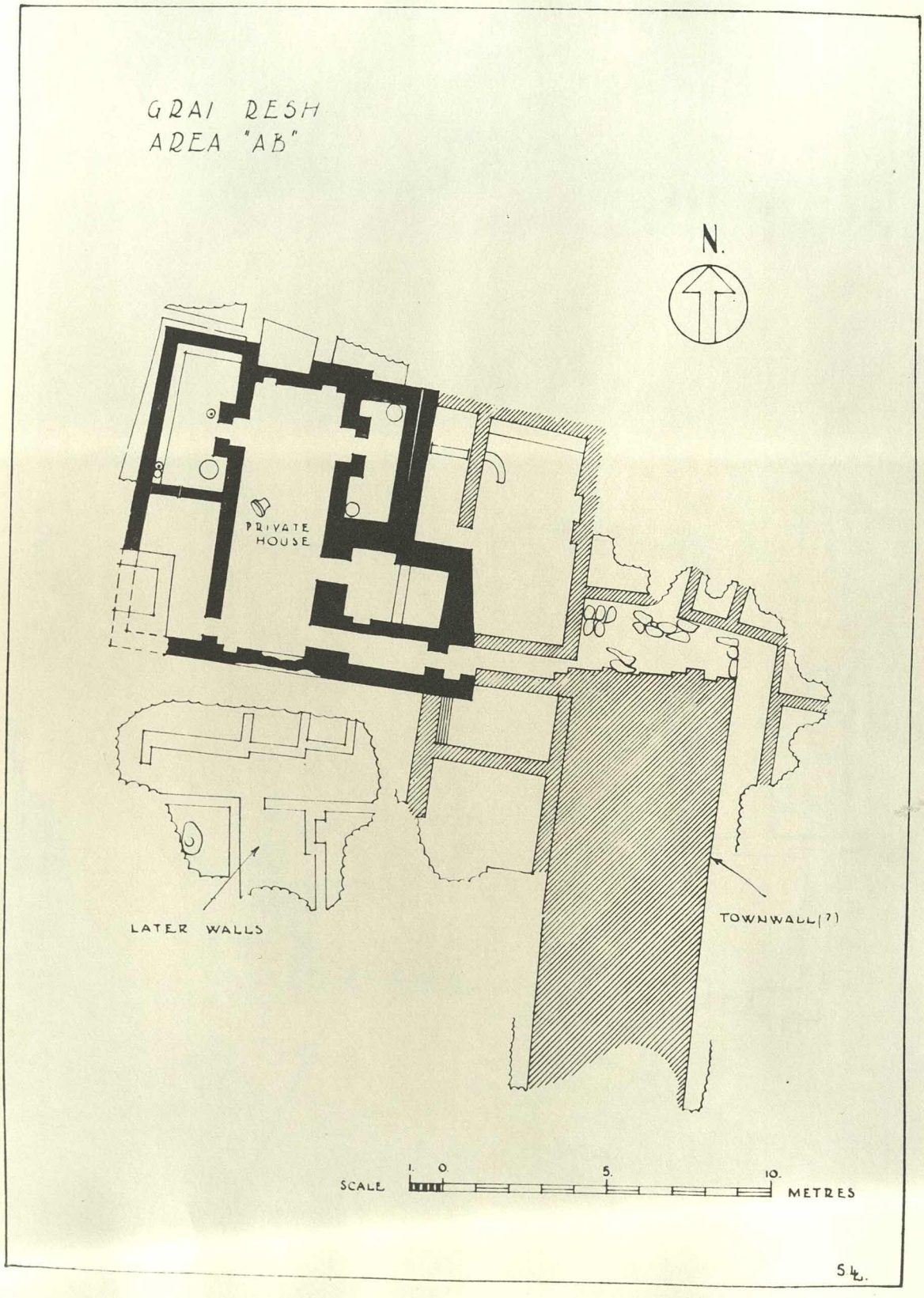

GRAI RESH
AREA "AB"
N.
PRIVATE HOUSE
LATER WALLS
TOWNWALL(?)
SCALE
1. 0
5.
10.
METRES
54.

Fig. 121

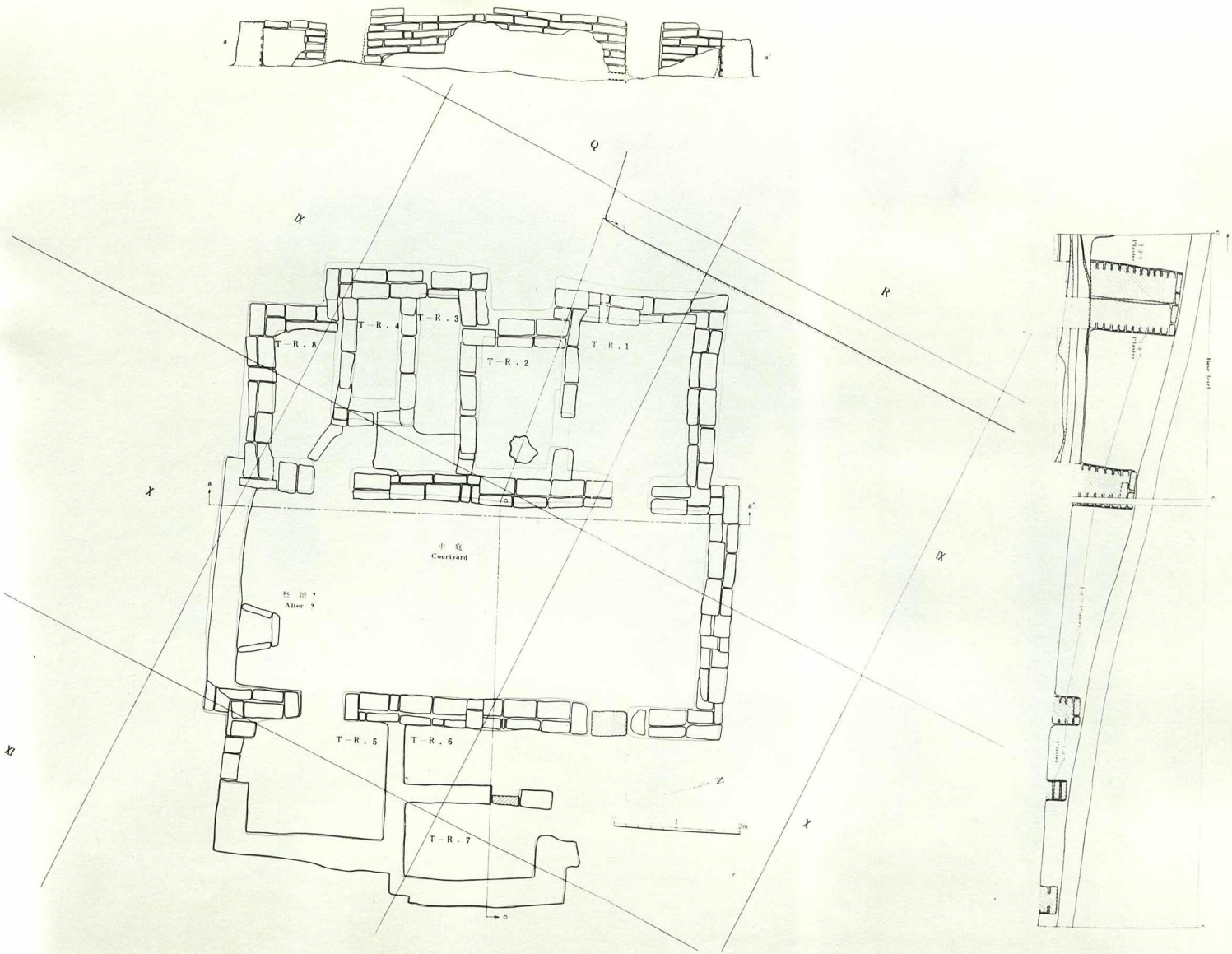


Fig. 122

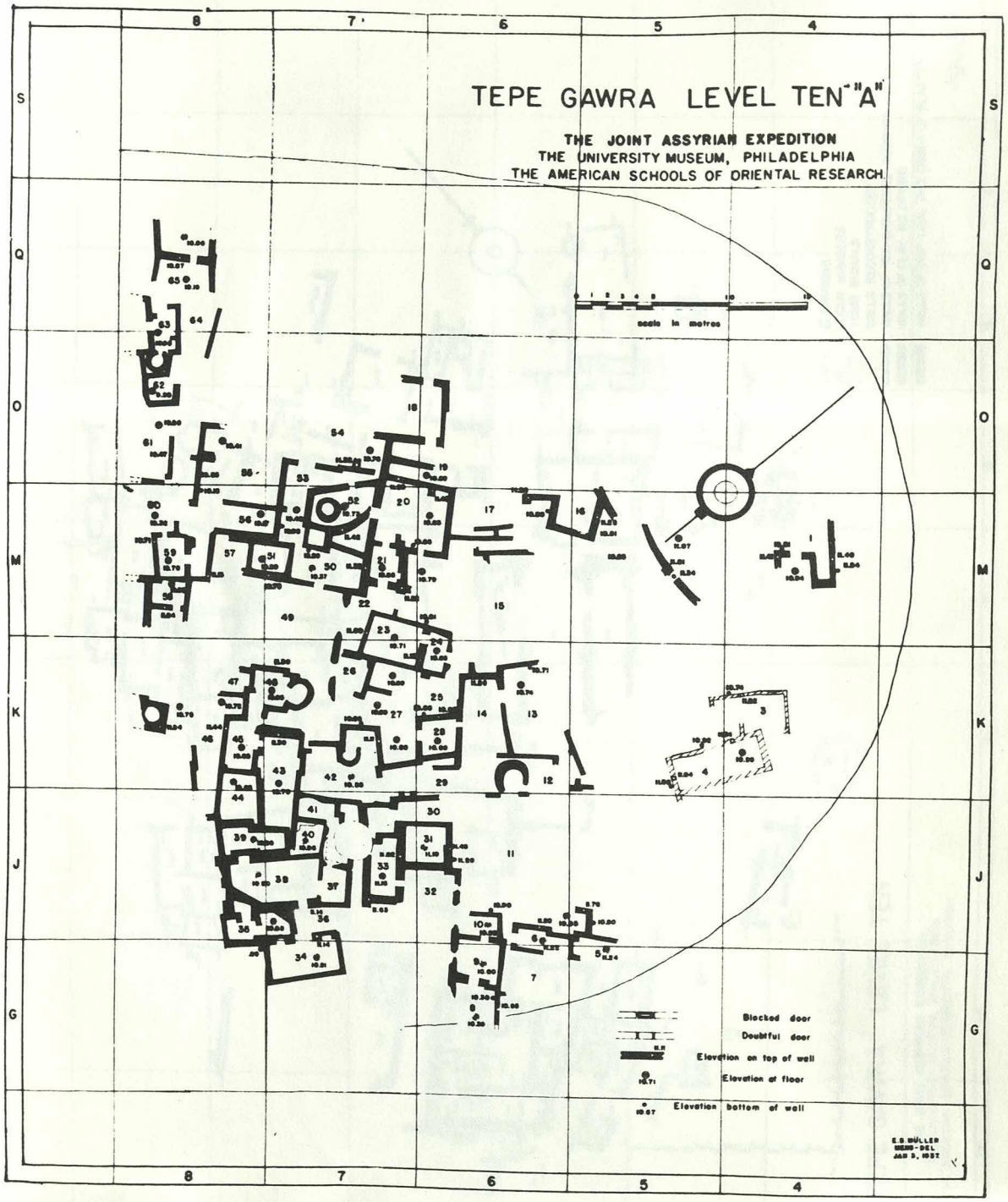

TEPE GAWRA LEVEL TEN "A"
THE JOINT ASSYRIAN EXPEDITION
THE UNIVERSITY MUSEUM, PHILADELPHIA
THE AMERICAN SCHOOLS OF ORIENTAL RESEARCH
scale in metres
Blocked door
Doubtful door
Elevation on top of wall
Elevation of floor
Elevation bottom of wall

Fig. 123

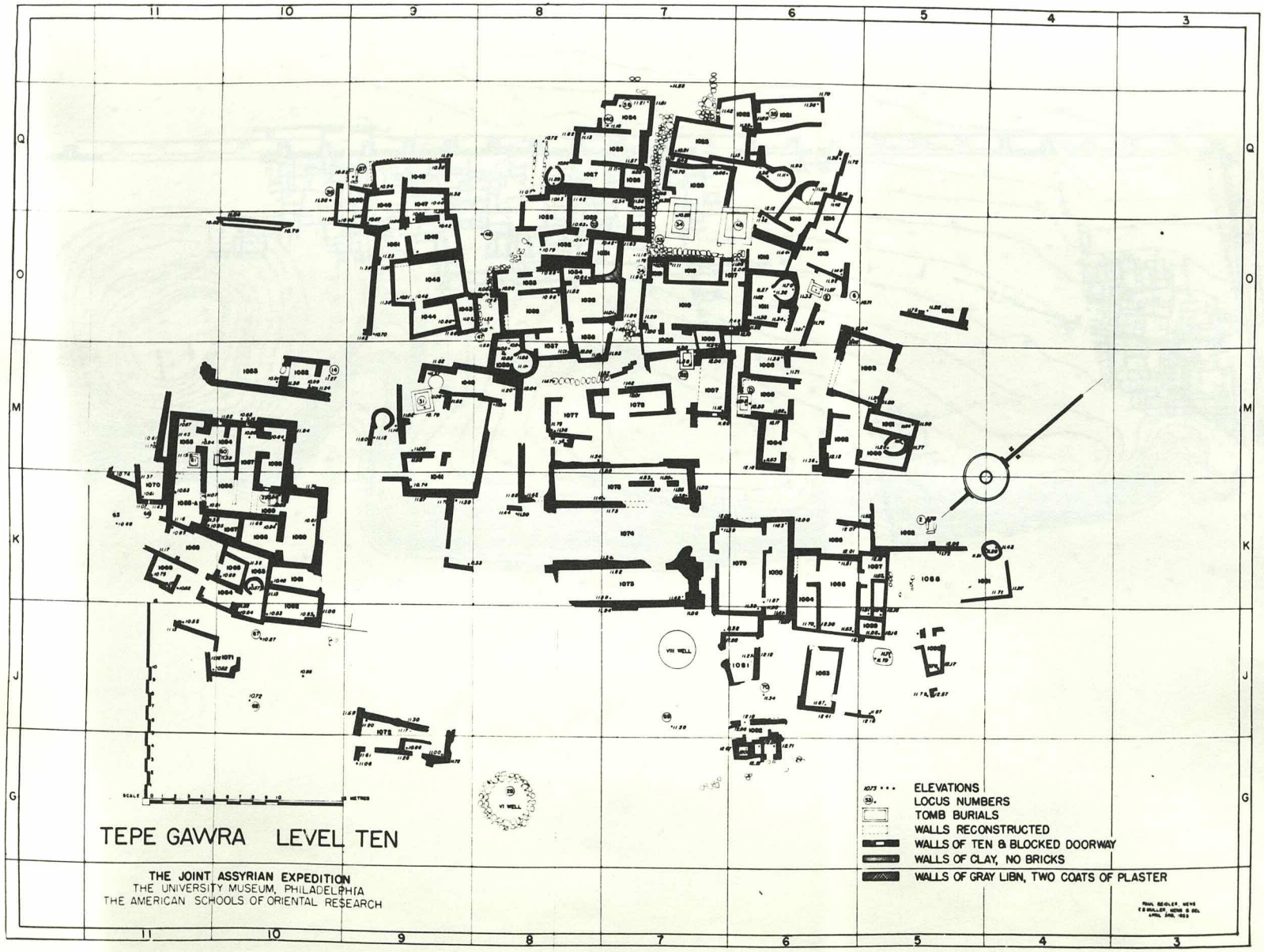

TEPE GAWRA LEVEL TEN
THE JOINT ASSYRIAN EXPEDITION
THE UNIVERSITY MUSEUM, PHILADELPHIA
THE AMERICAN SCHOOLS OF ORIENTAL RESEARCH
ELEVATIONS
LOCUS NUMBERS
TOMB BURIALS
WALLS RECONSTRUCTED
WALLS OF TEN & BLOCKED DOORWAY
WALLS OF CLAY, NO BRICKS
WALLS OF GRAY LIBN, TWO COATS OF PLASTER

Fig. 124

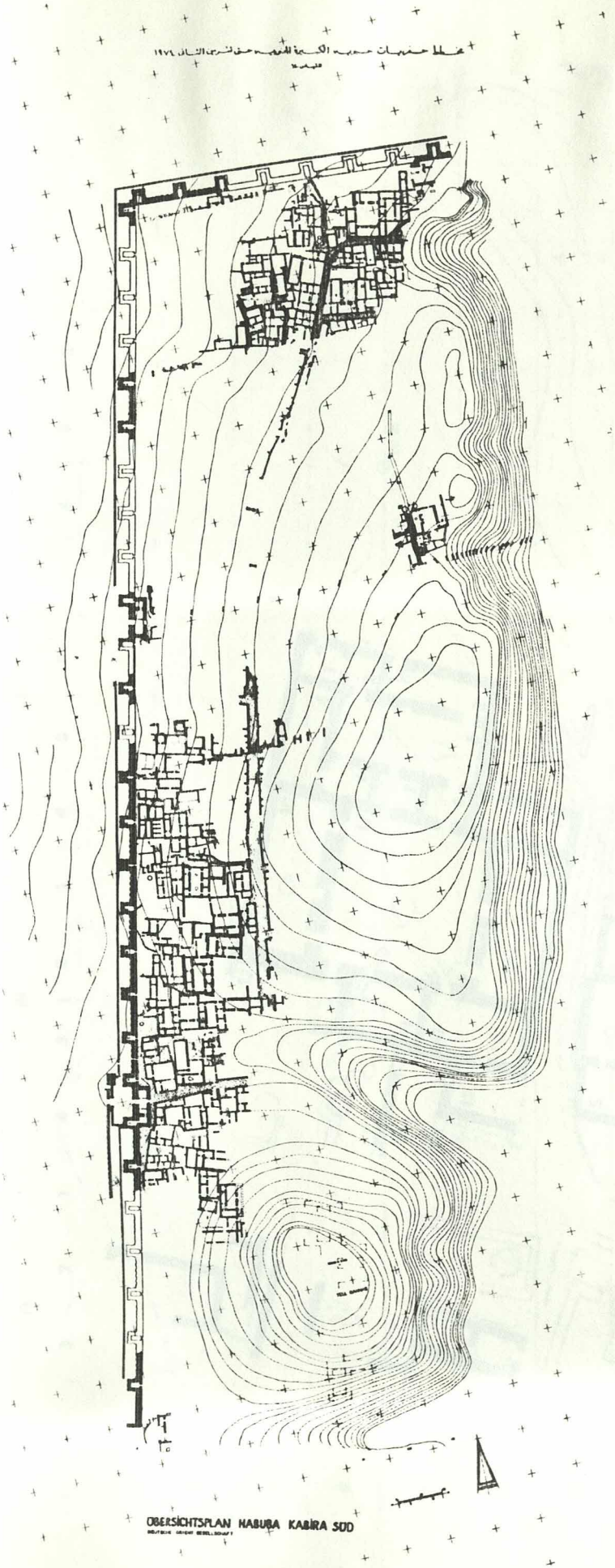


Fig. 125

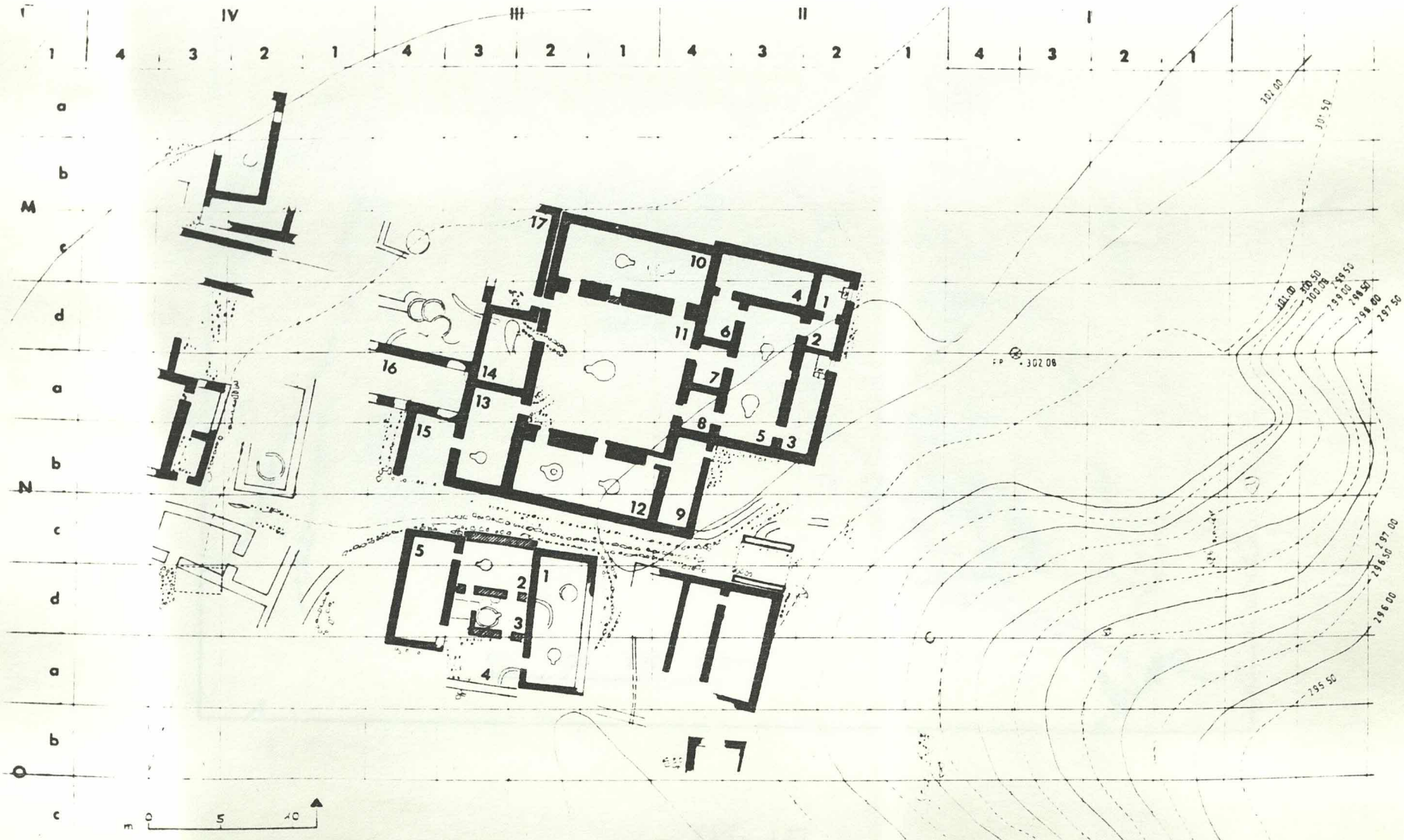

IV
III
II
I
1 4 3 2 1 4 3 2 1 4 3 2 1 4 3 2 1
a
b
M
c
d
a
b
N
c
d
a
b
c
17
10
4
1
11
6
2
16
14
7
13
15
8
5
3
12
9
5
2
1
3
4
302.00
301.50
300.50
300.00
299.50
299.00
298.50
298.00
297.50
297.00
296.50
296.00
295.50
0
5
10
m

Fig. 126

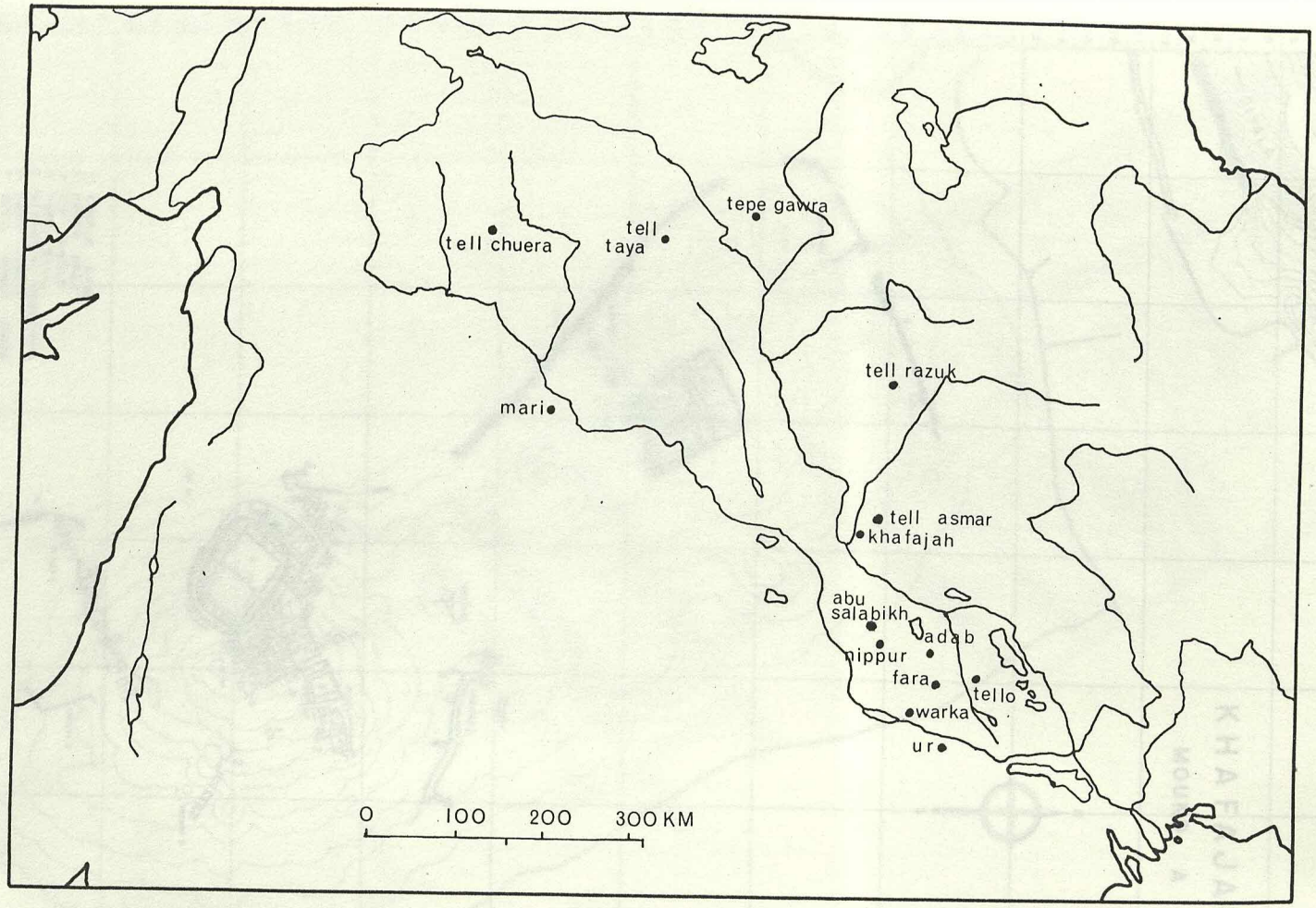

tell chuera
tell taya
tepe gawra
tell razuk
mari
tell asmar
khafajah
abu salabikh
adab
nippur
fara
tello
warka
ur
0 100 200 300 KM

Fig. 127

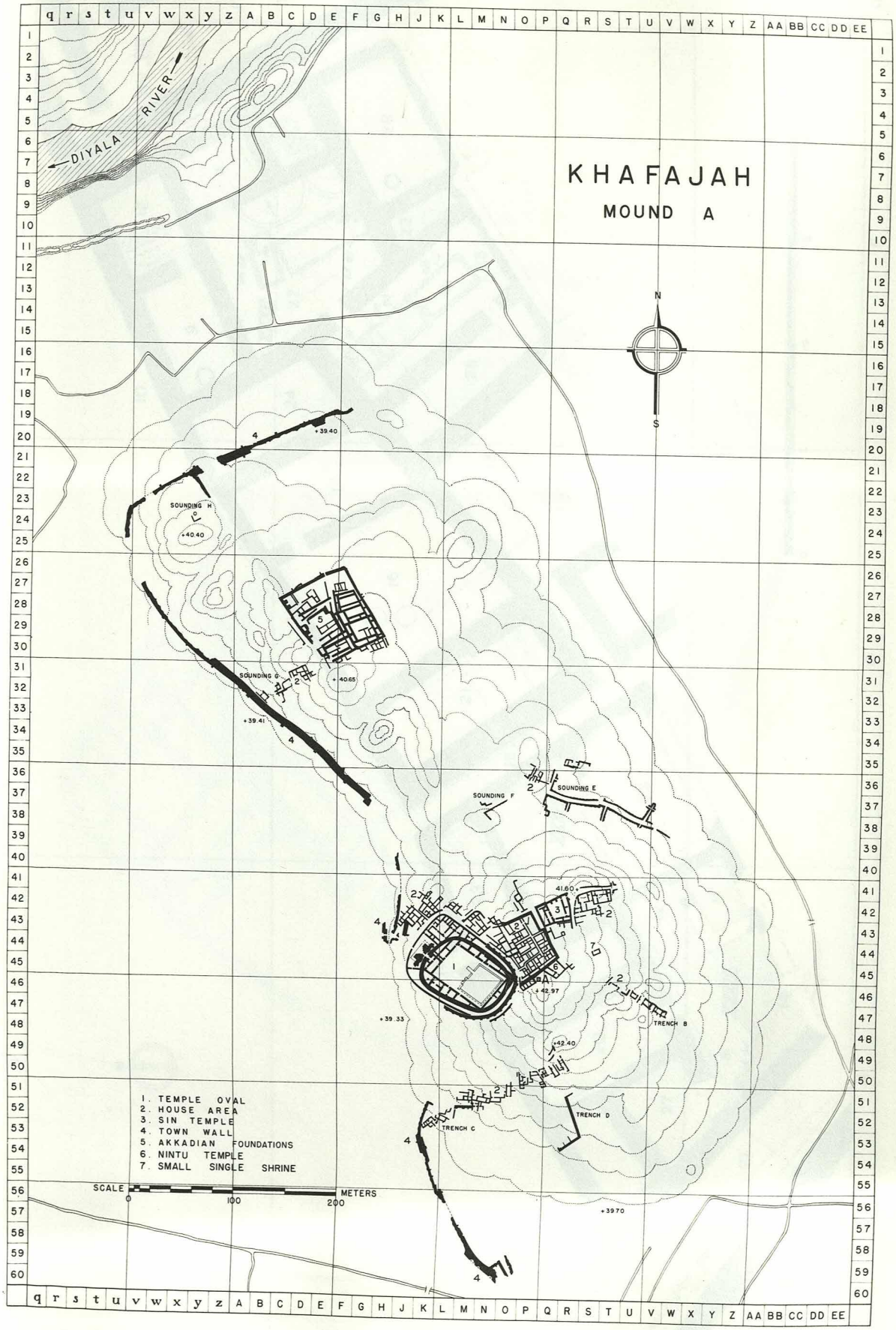

KHAFAJAH
MOUND A
DIYALA RIVER
N
S
SOUNDING H
+40.40
+39.40
SOUNDING G
+40.65
+39.41
SOUNDING F
SOUNDING E
41.60+
+42.97
+39.33
+42.40
+39.70
TRENCH B
TRENCH C
TRENCH D
1. TEMPLE OVAL
2. HOUSE AREA
3. SIN TEMPLE
4. TOWN WALL
5. AKKADIAN FOUNDATIONS
6. NINTU TEMPLE
7. SMALL SINGLE SHRINE
SCALE
0
100
200
METERS

Fig. 128

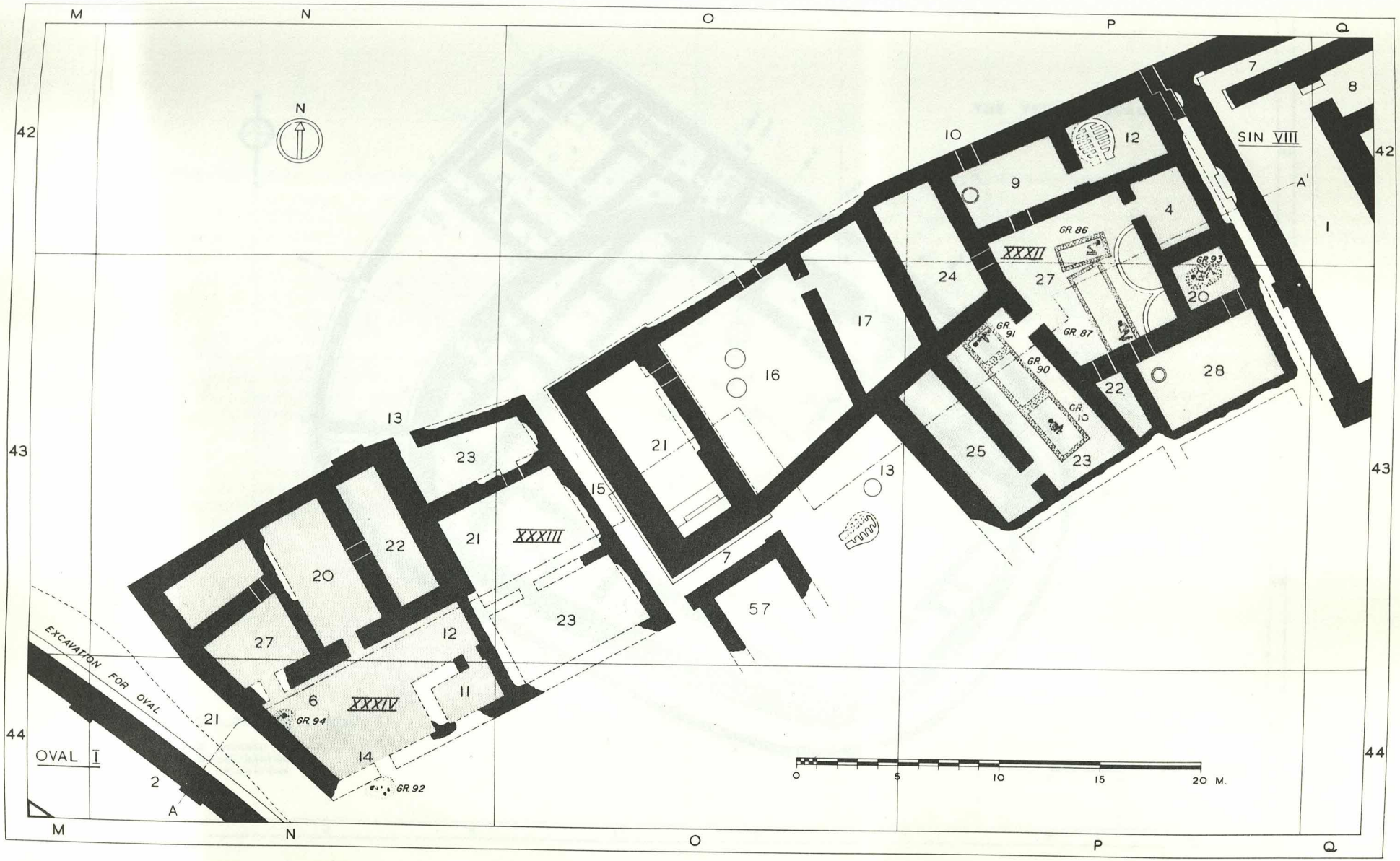

M
N
O
P
Q
42
43
44
N
SIN VIII
A'
A
OVAL I
EXCAVATION FOR OVAL
XXXII
XXXIII
XXXIV
GR 86
GR 87
GR 90
GR 91
GR 93
GR 10
GR 94
GR 92
0
5
10
15
20 M.

Fig. 129

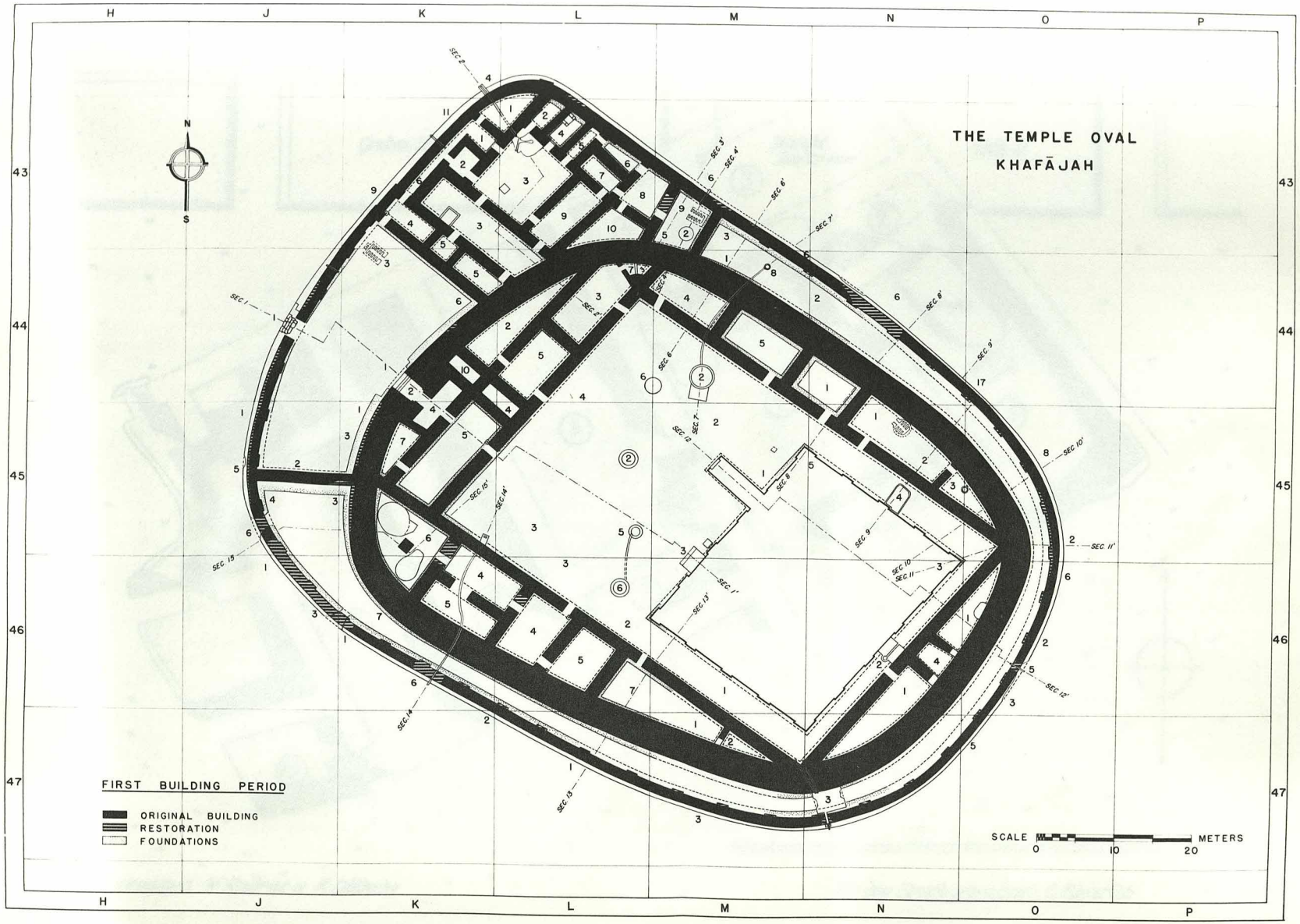

THE TEMPLE OVAL
KHAFĀJAH
N
S
H
J
K
L
M
N
O
P
43
44
45
46
47
FIRST BUILDING PERIOD
ORIGINAL BUILDING
RESTORATION
FOUNDATIONS
SCALE
METERS
0
10
20

Fig. 130

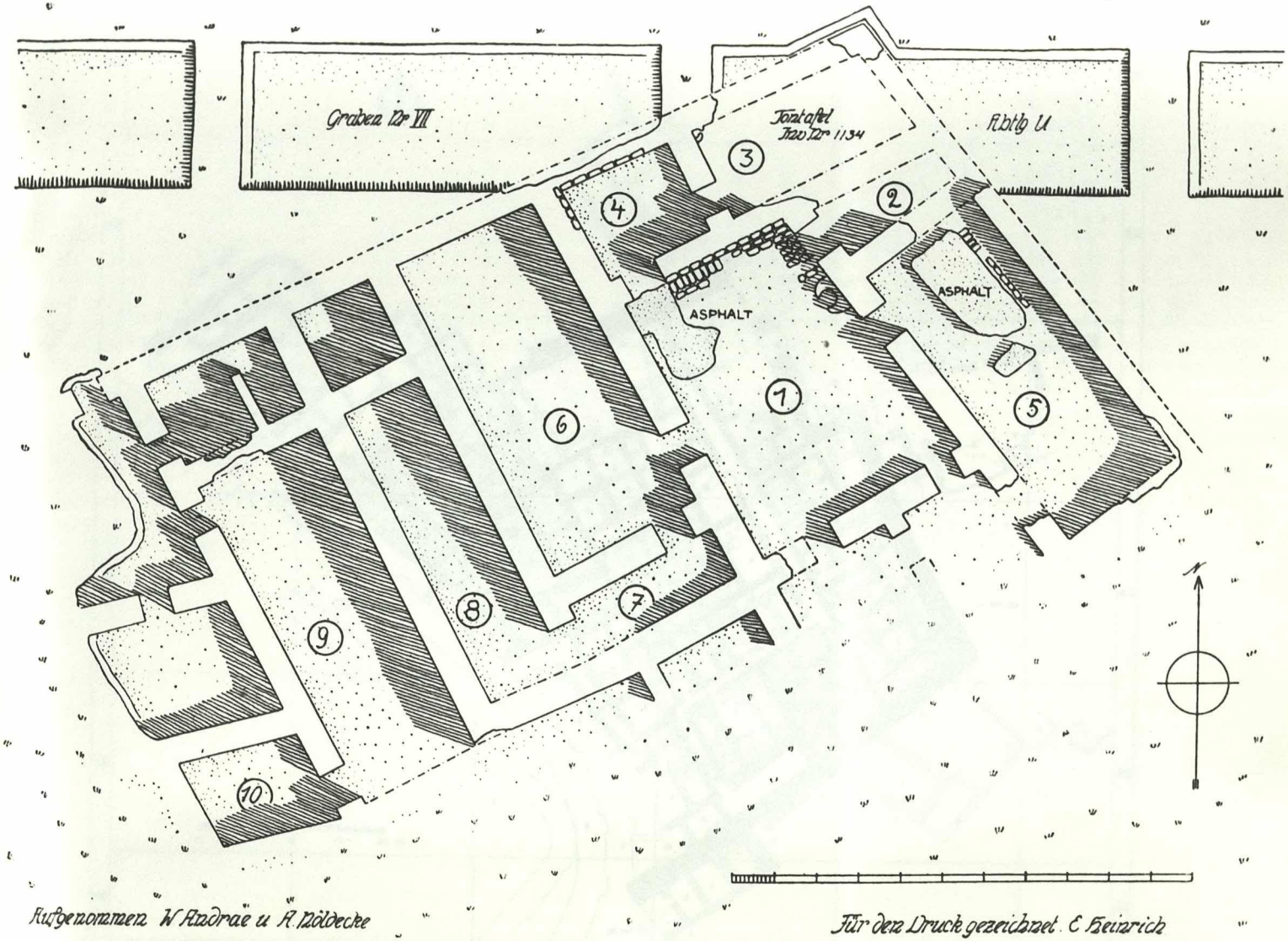

Graben Nr VII
Torstaffel
Tor Nr 1134
Richtg U
ASPHALT
ASPHALT
1
2
3
4
5
6
7
8
9
10
Aufgenommen W Andrae u R Koldewey
Für den Druck gezeichnet E Heinrich

Fig. 131

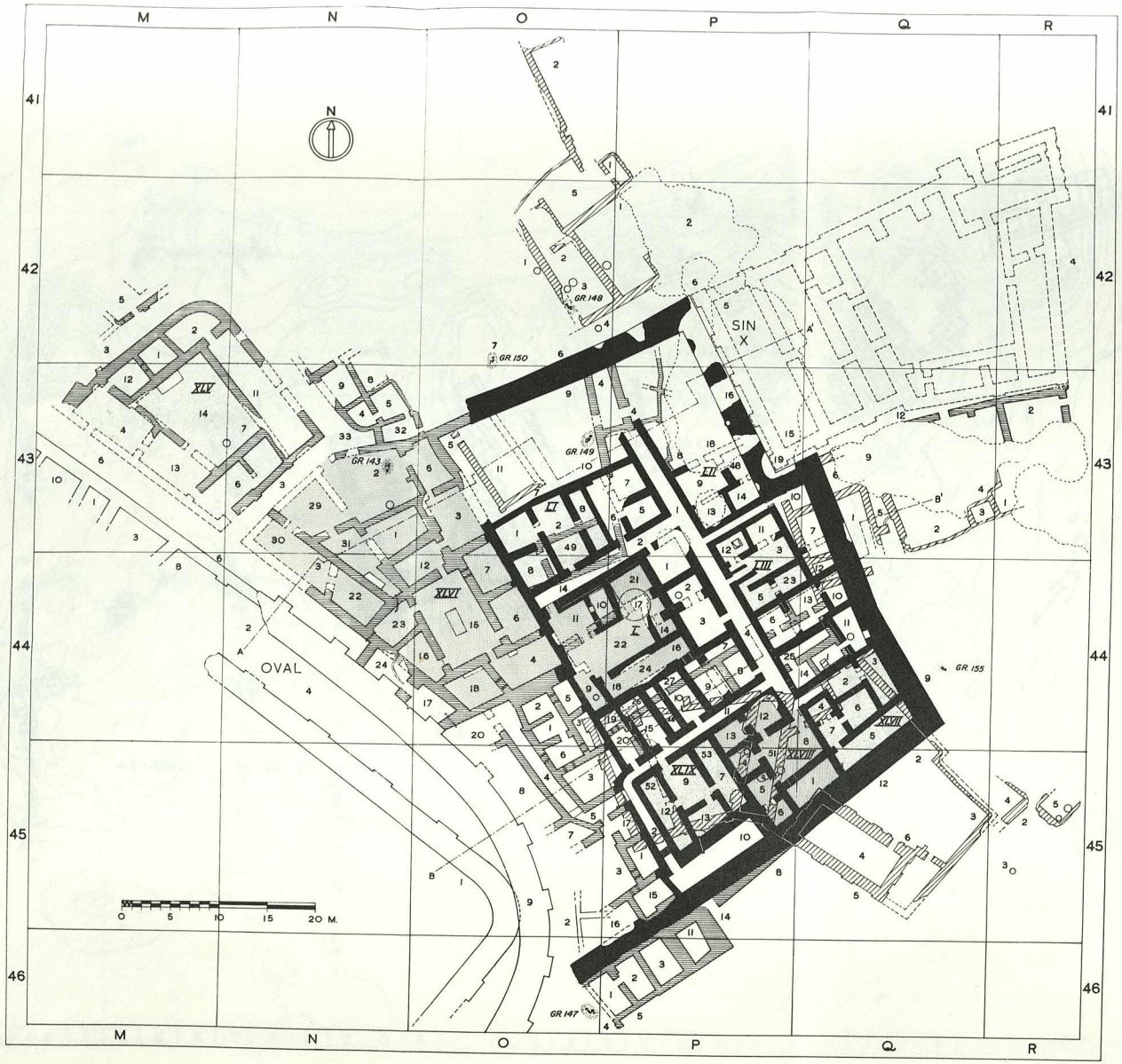

M
N
O
P
Q
R
41
42
43
44
45
46
N
SIN
X
A
A'
B
B'
OVAL
GR 143
GR 147
GR 148
GR 149
GR 150
GR 155
XLV
XLVI
XLIX
XLVIII
0 5 10 15 20 M.

Fig. 132

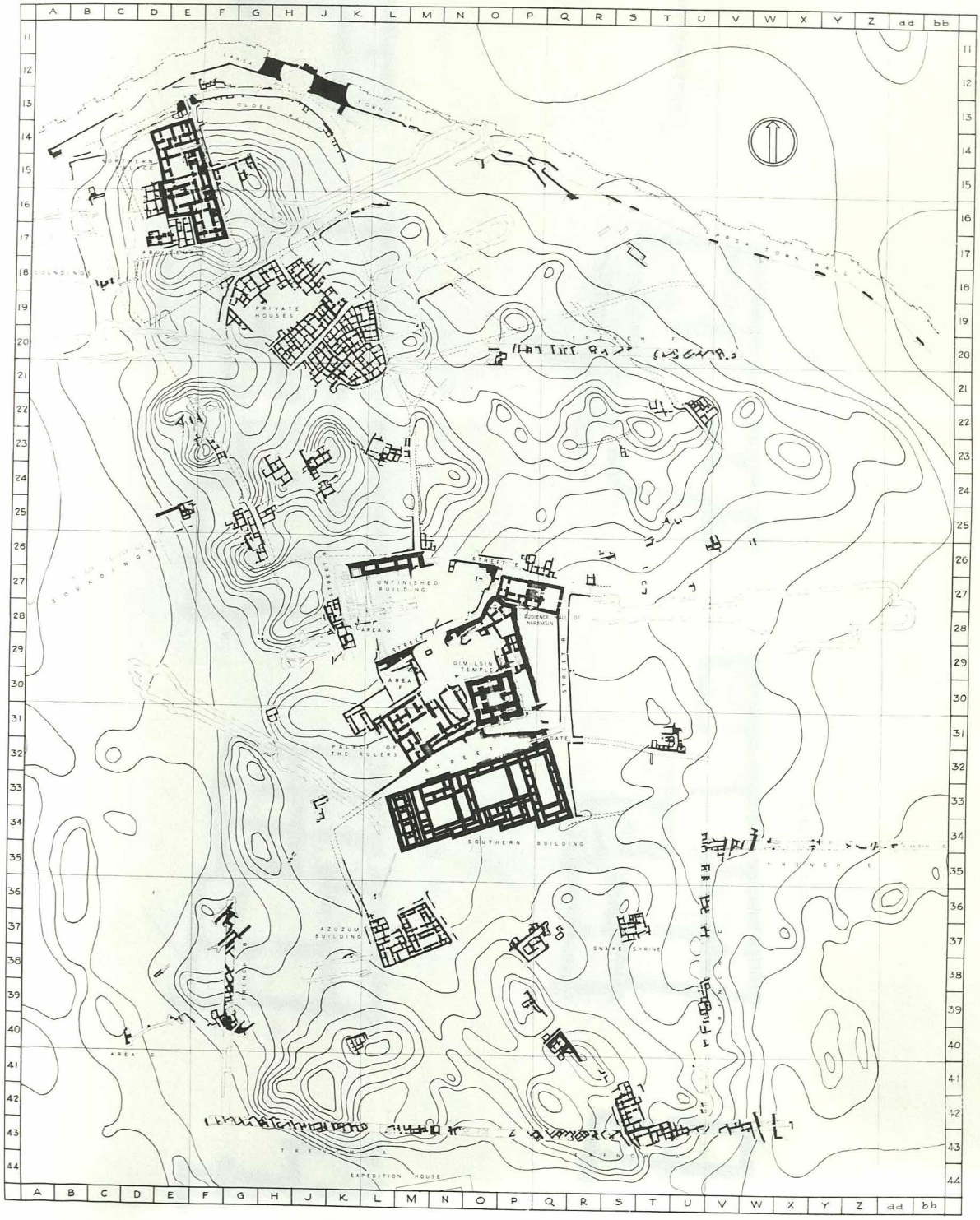
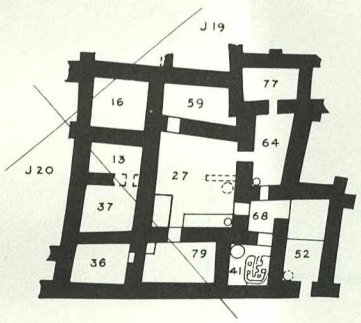
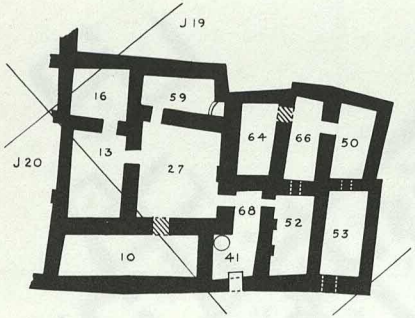

PRIVATE HOUSES
UNFINISHED BUILDING
AREA G
AUDIENCE HALL OF NARAMSIN
GIMILSIN TEMPLE
AREA F
PALACE OF THE RULERS
SOUTHERN BUILDING
AZUZUM BUILDING
SNAKE SHRINE
AREA C
EXPEDITION HOUSE

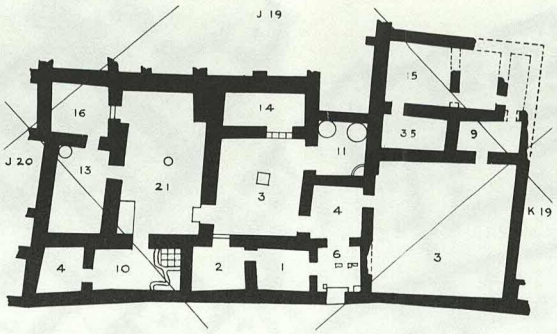
Fig. 133



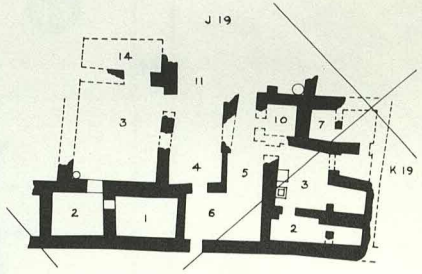
Stratum Vc



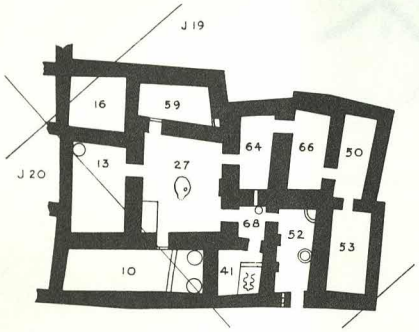
Stratum Va



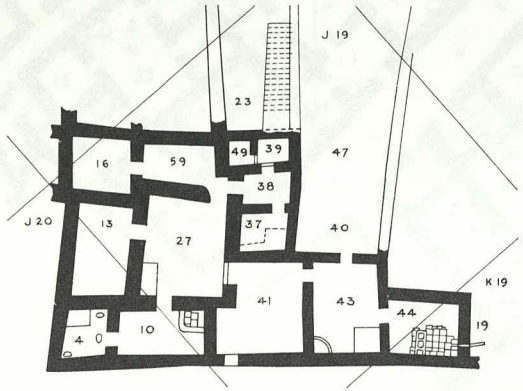
Stratum IVa



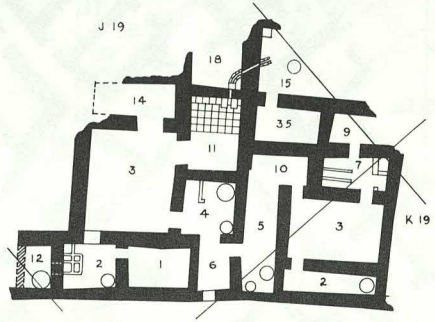
Stratum II



Stratum Vb



Stratum IVb



Stratum III

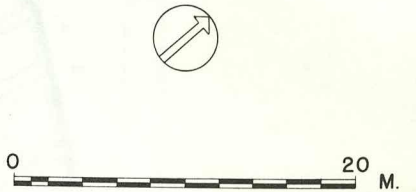


Fig. 134


G
H
J
K
L
19
20
21
N
A
A'
WEST STREET
MIDDLE ROAD
EAST ROAD
SOUTH ROAD
I
II
V
VI
VII
VIII
IX
X
XI
XII
XIII
XIV
XV
XVI
XVII
XVIII
XIX
XX
XXI
XXII
XXIII
XXIV
XXV
XXVI
XXVII
0
10
20
M.

Fig. 135

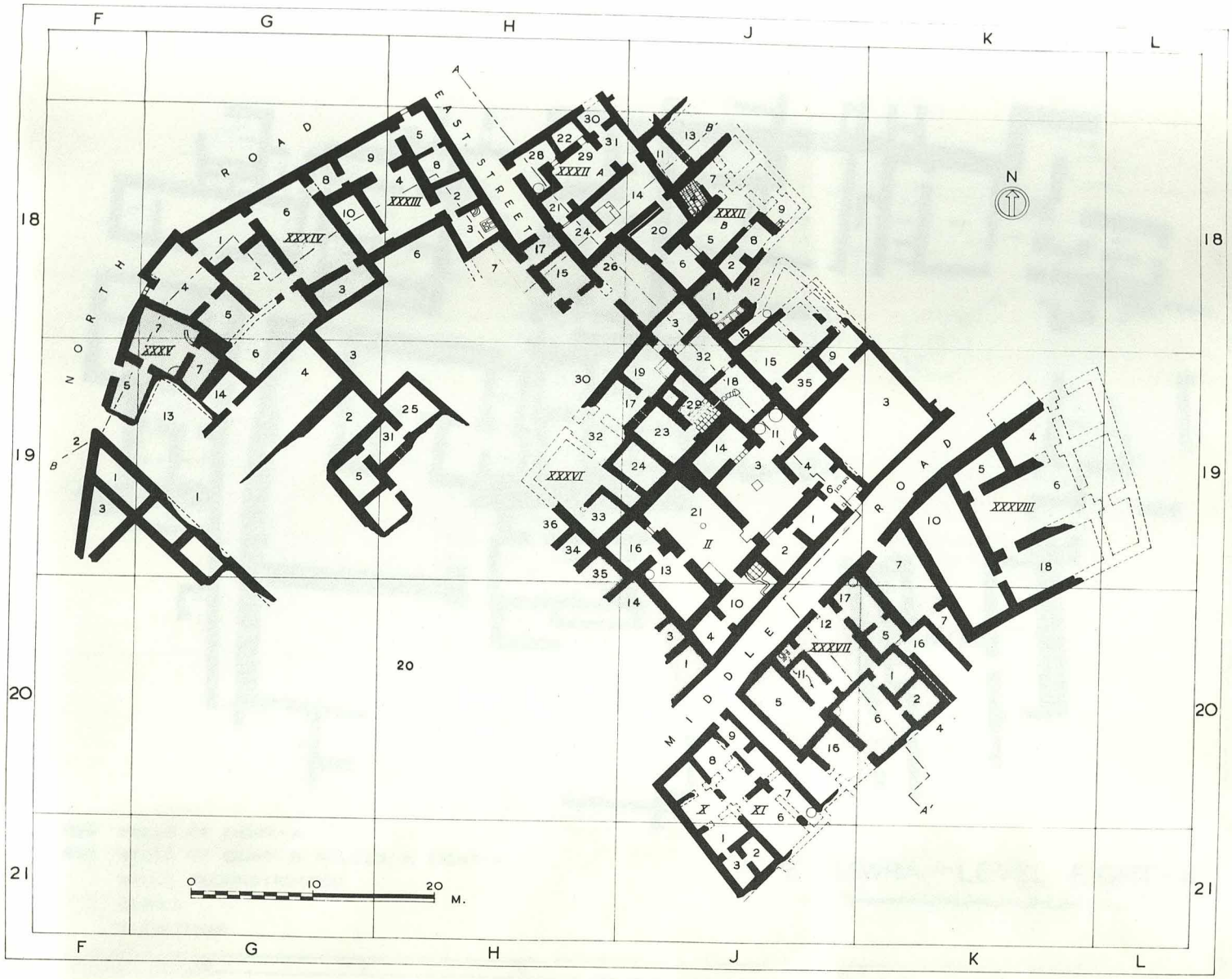

F
G
H
J
K
L
18
19
20
21
NORTH ROAD
EAST STREET
MIDDLE ROAD
XXXIII
XXXIV
XXXV
XXXVI
XXXVII
XXXVIII
XXXII A
XXXII B
II
X
XI
N
0
10
20
M.

Fig. 136

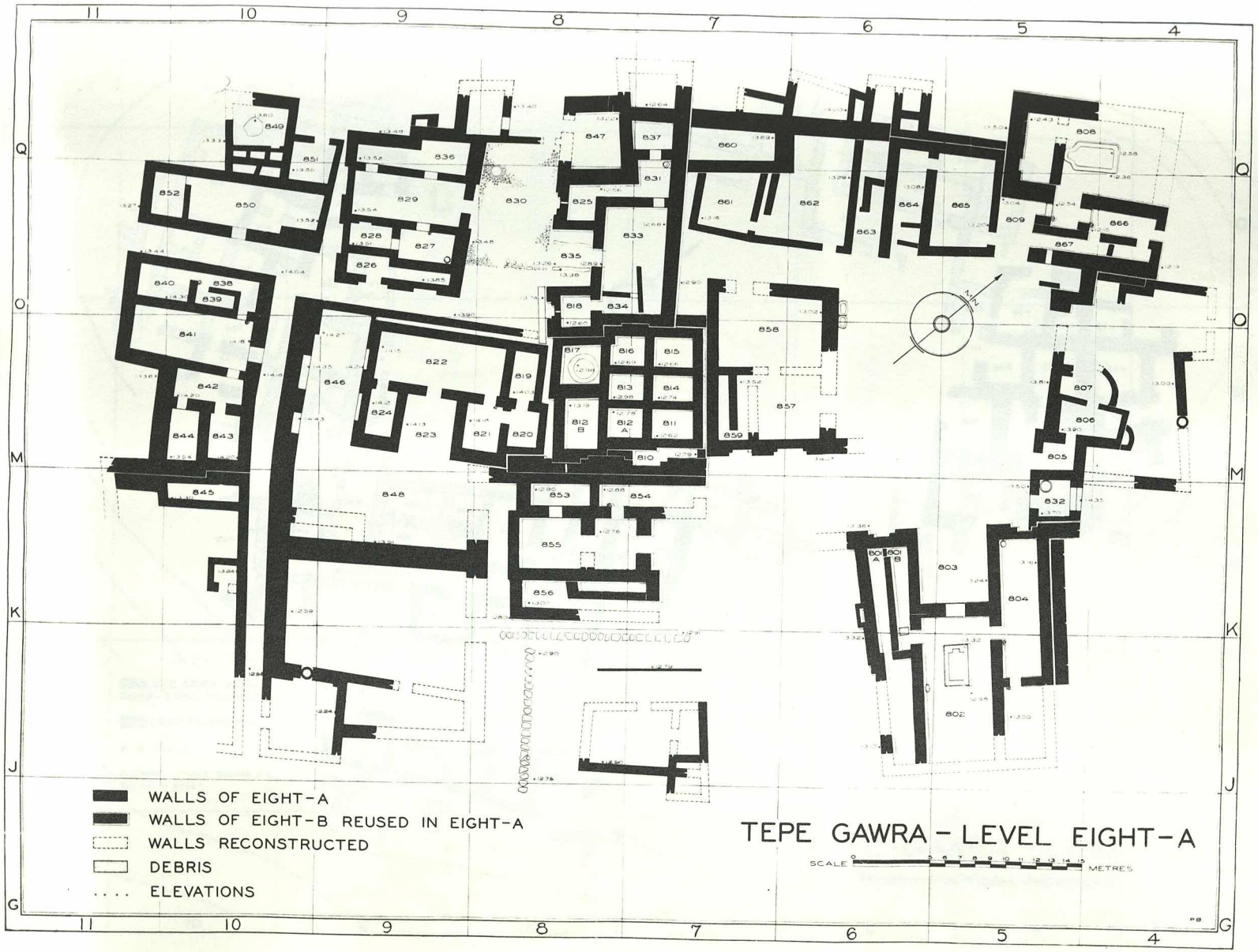

WALLS OF EIGHT-A
WALLS OF EIGHT-B REUSED IN EIGHT-A
WALLS RECONSTRUCTED
DEBRIS
.... ELEVATIONS
TEPE GAWRA - LEVEL EIGHT-A
SCALE
METRES

Fig. 137

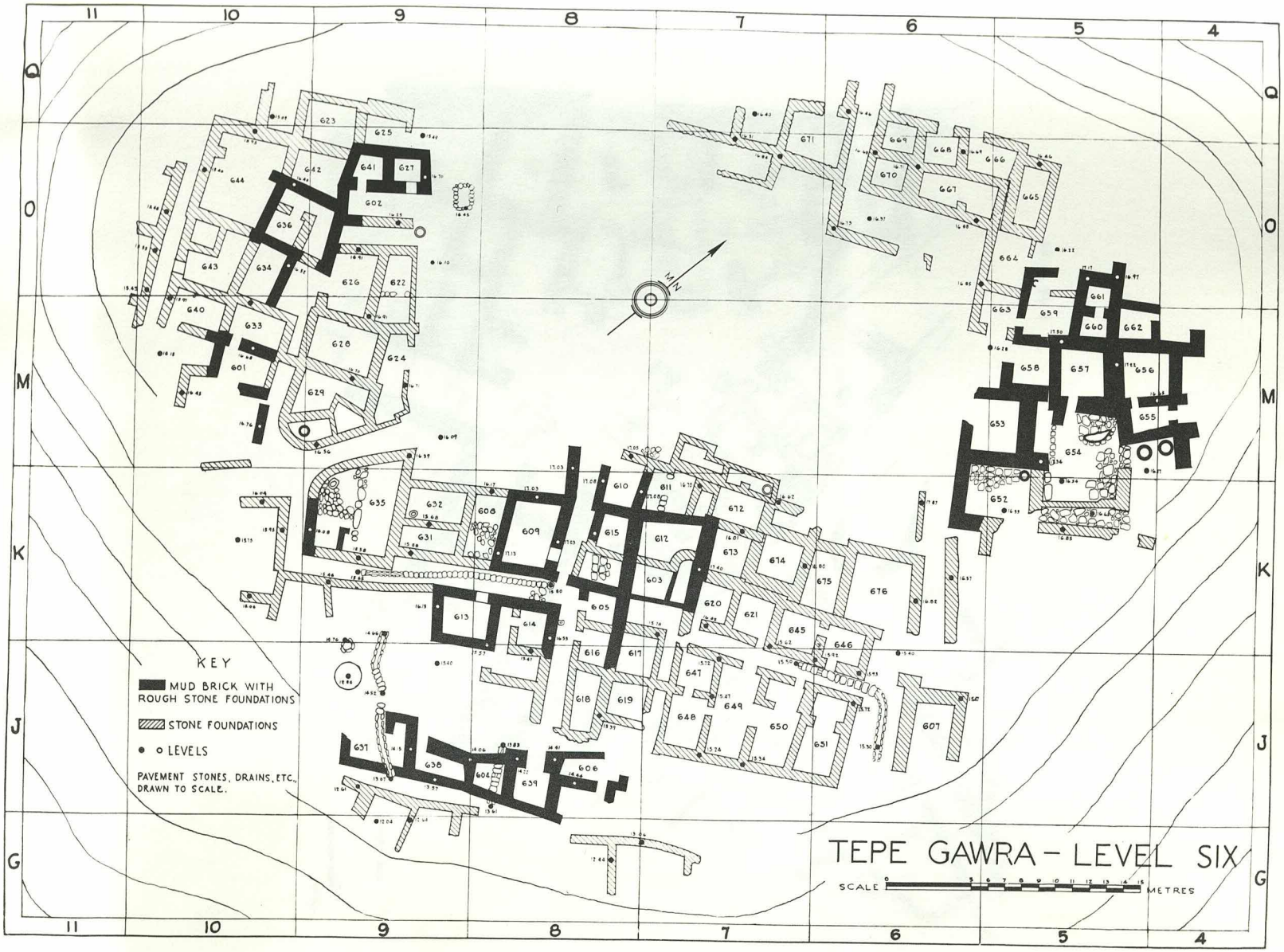

KEY
MUD BRICK WITH ROUGH STONE FOUNDATIONS
STONE FOUNDATIONS
• o LEVELS
PAVEMENT STONES, DRAINS, ETC., DRAWN TO SCALE.
TEPE GAWRA – LEVEL SIX
SCALE
METRES

Fig. 138

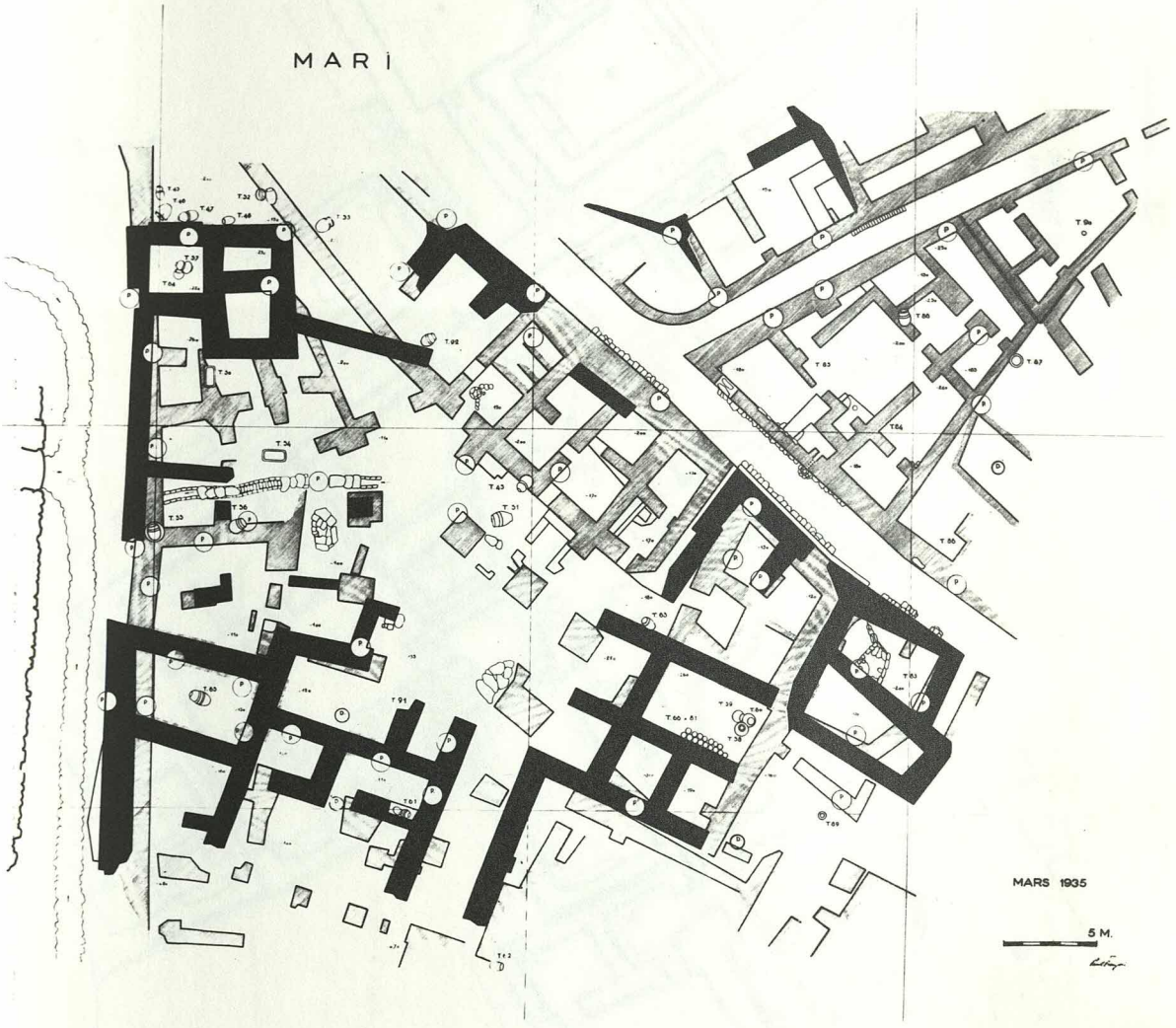


Fig. 139

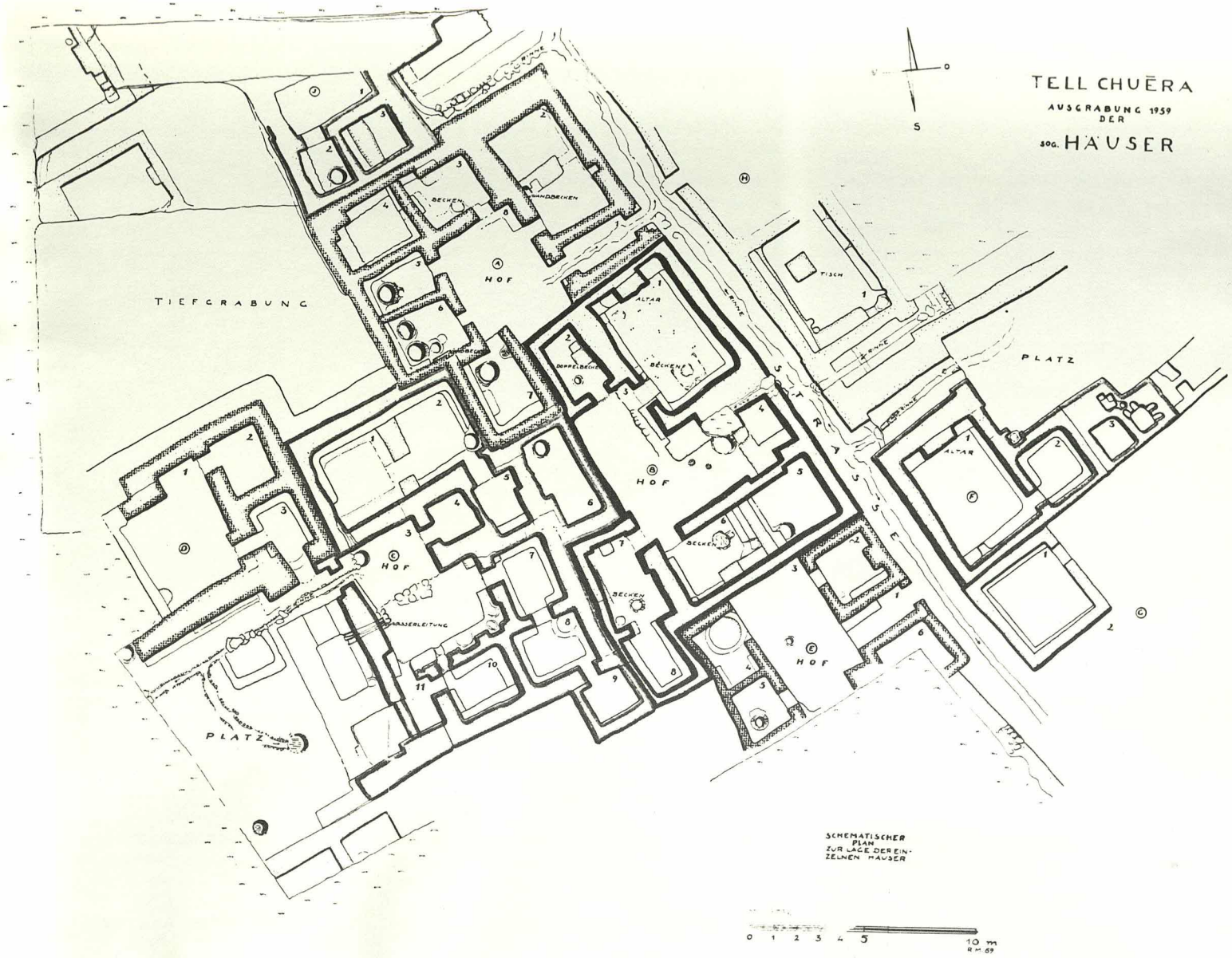

TELL CHUĒRA
AUSGRABUNG 1959
DER
SOG. HÄUSER
TIEFGRABUNG
HOF
HOF
HOF
HOF
PLATZ
PLATZ
ALTAR
ALTAR
TISCH
BECKEN
BECKEN
BECKEN
WASSERLEITUNG
SCHEMATISCHER
PLAN
ZUR LAGE DER EIN-
ZELNEN HÄUSER
0 1 2 3 4 5 10 m

Fig. 140

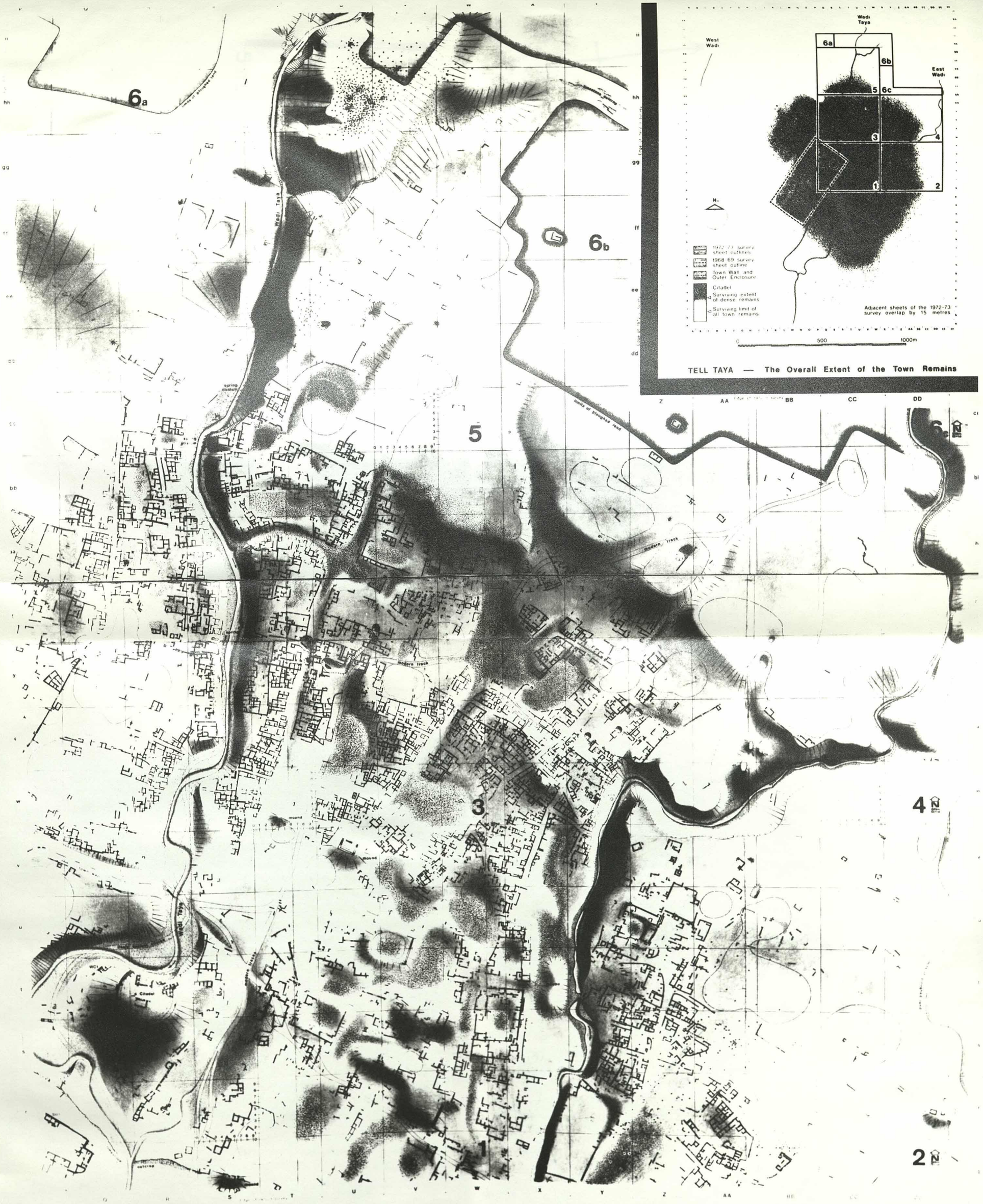

6a
6b
6c
5
3
4
1
2
Wadi Taya
West Wadi
East Wadi
N
1972-73 survey sheet outlines
1968-69 survey sheet outline
Town Wall and Outer Enclosure
Citadel
Surviving extent of dense remains
Surviving limit of all town remains
Adjacent sheets of the 1972-73 survey overlap by 15 metres
0
500
1000m
TELL TAYA — The Overall Extent of the Town Remains
limits of ploughed land
modern track
spring
mound
Wall Taya
Citadel
Z
AA
BB
CC
DD

Fig. 141

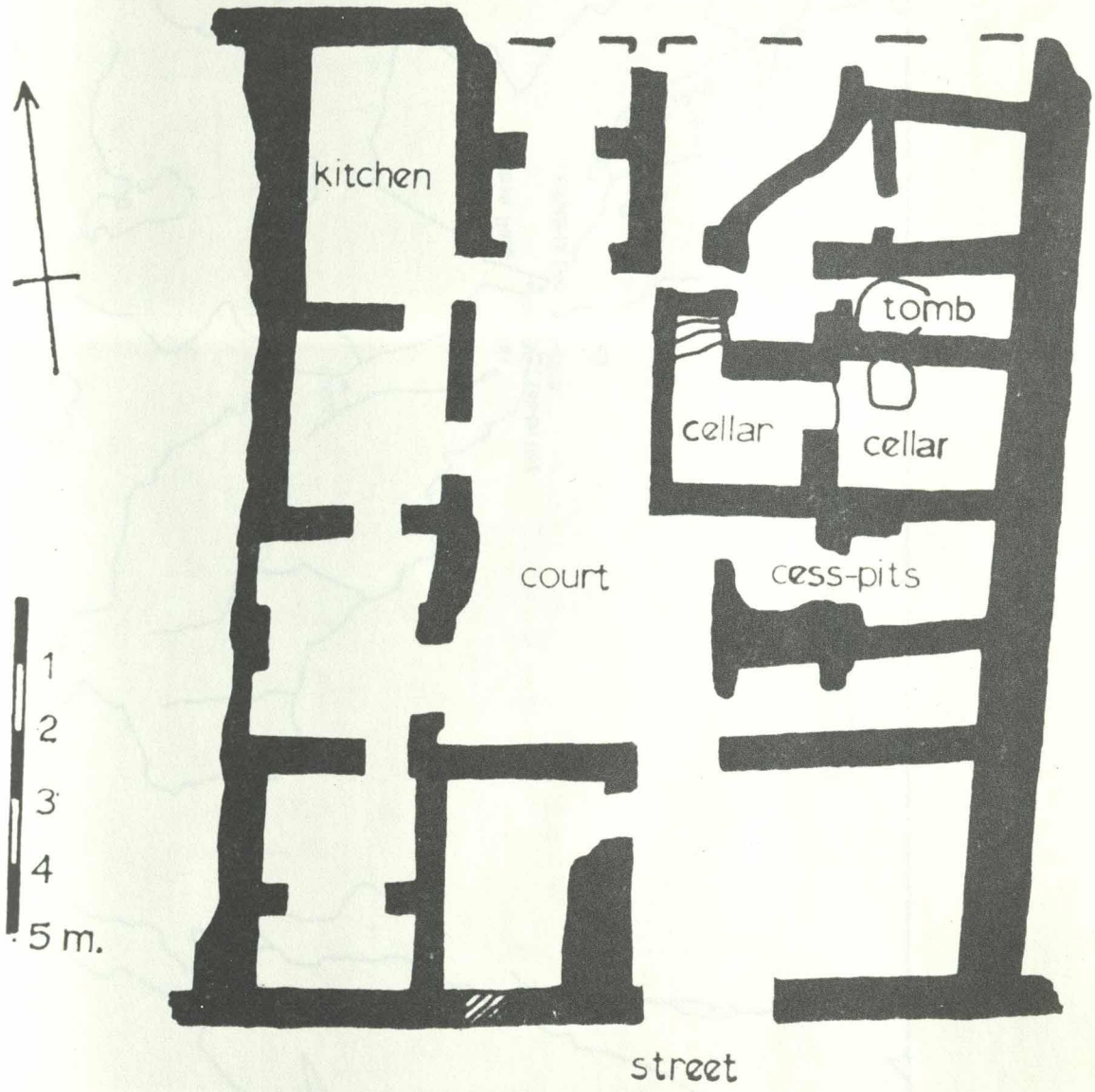


Fig. 142

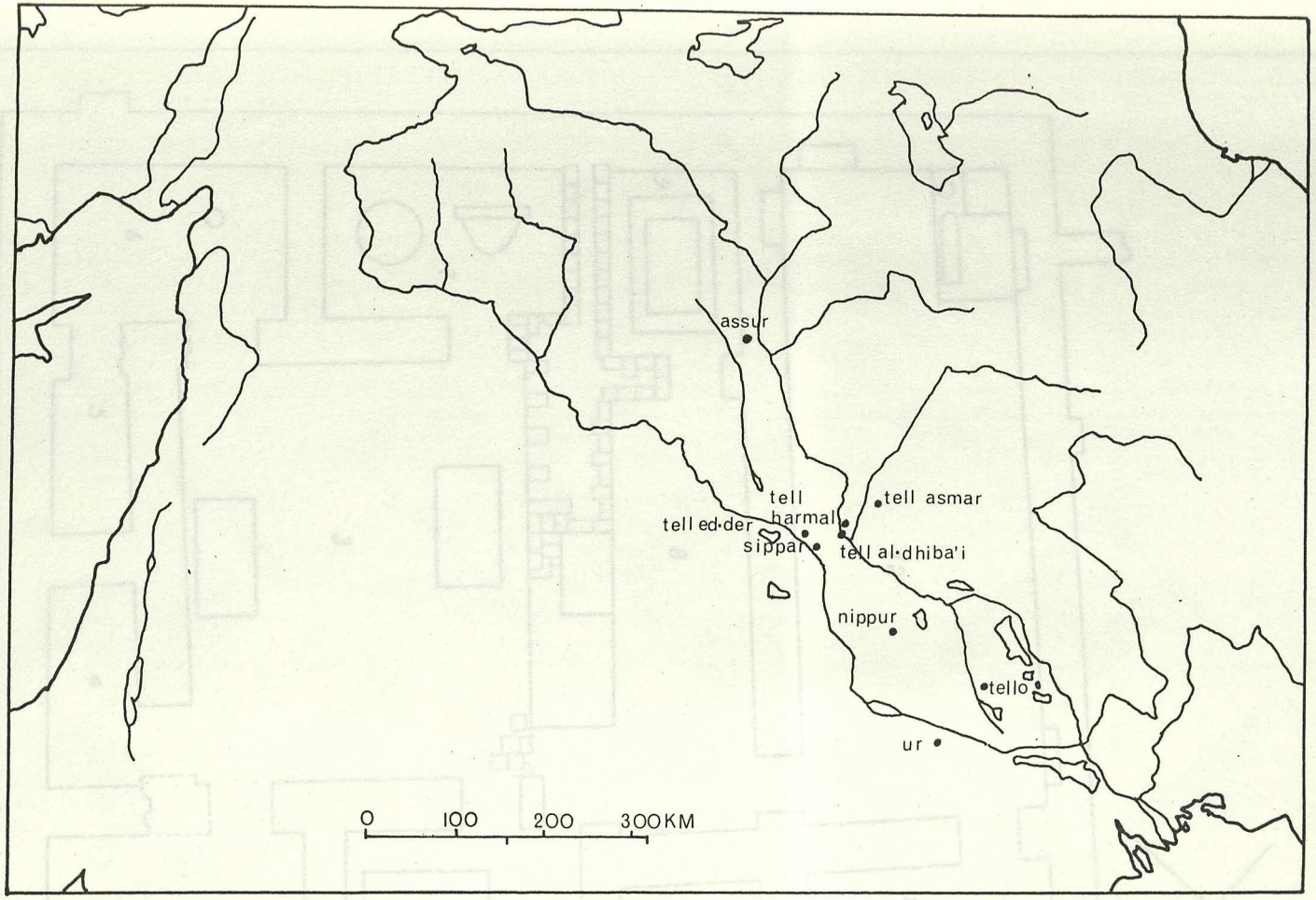

assur
tell
harmal
tell asmar
tell ed·der
sippar
tell al·dhiba'i
nippur
tello
ur
0 100 200 300KM

Fig. 143

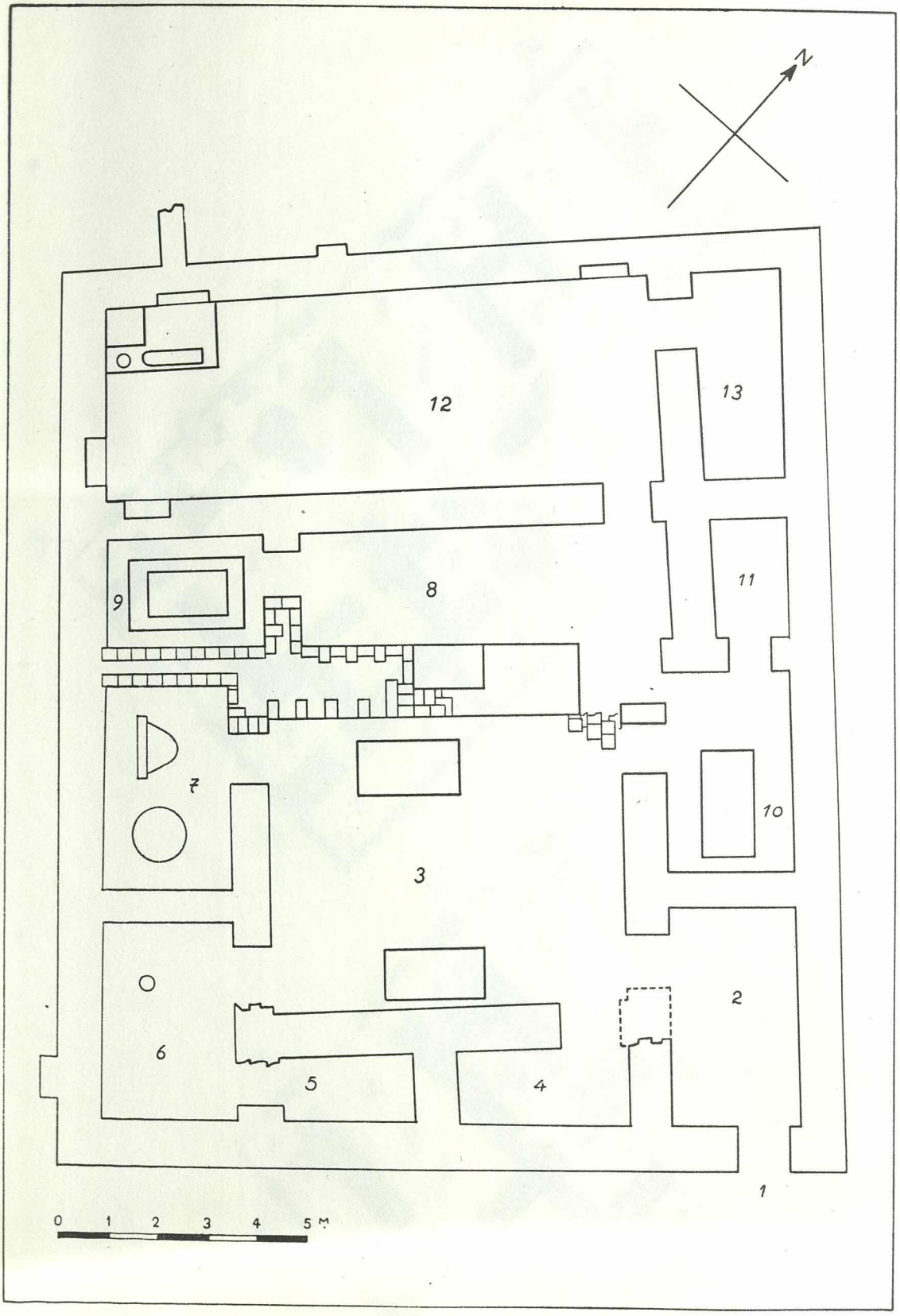


Fig. 144

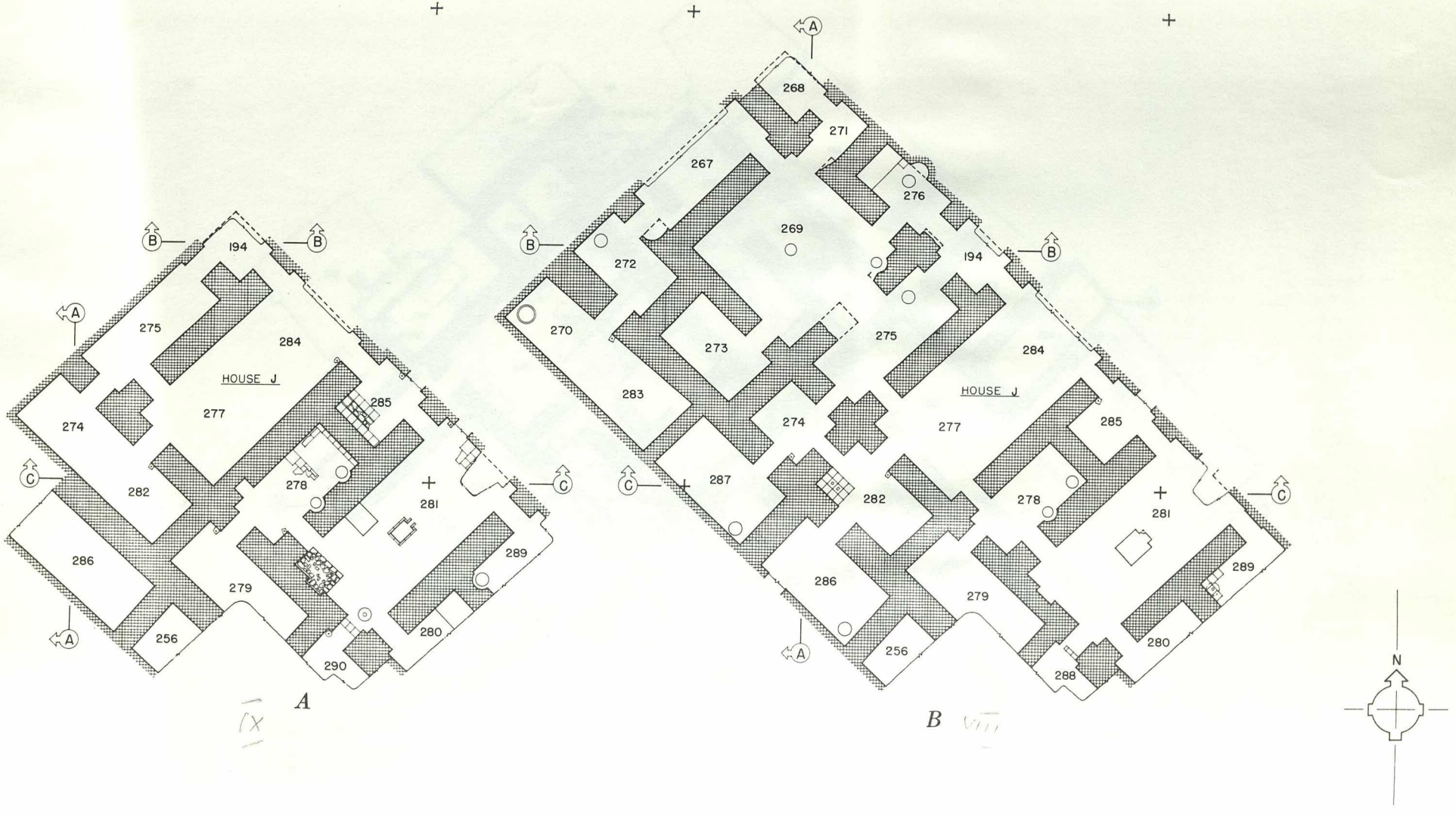


Fig. 145

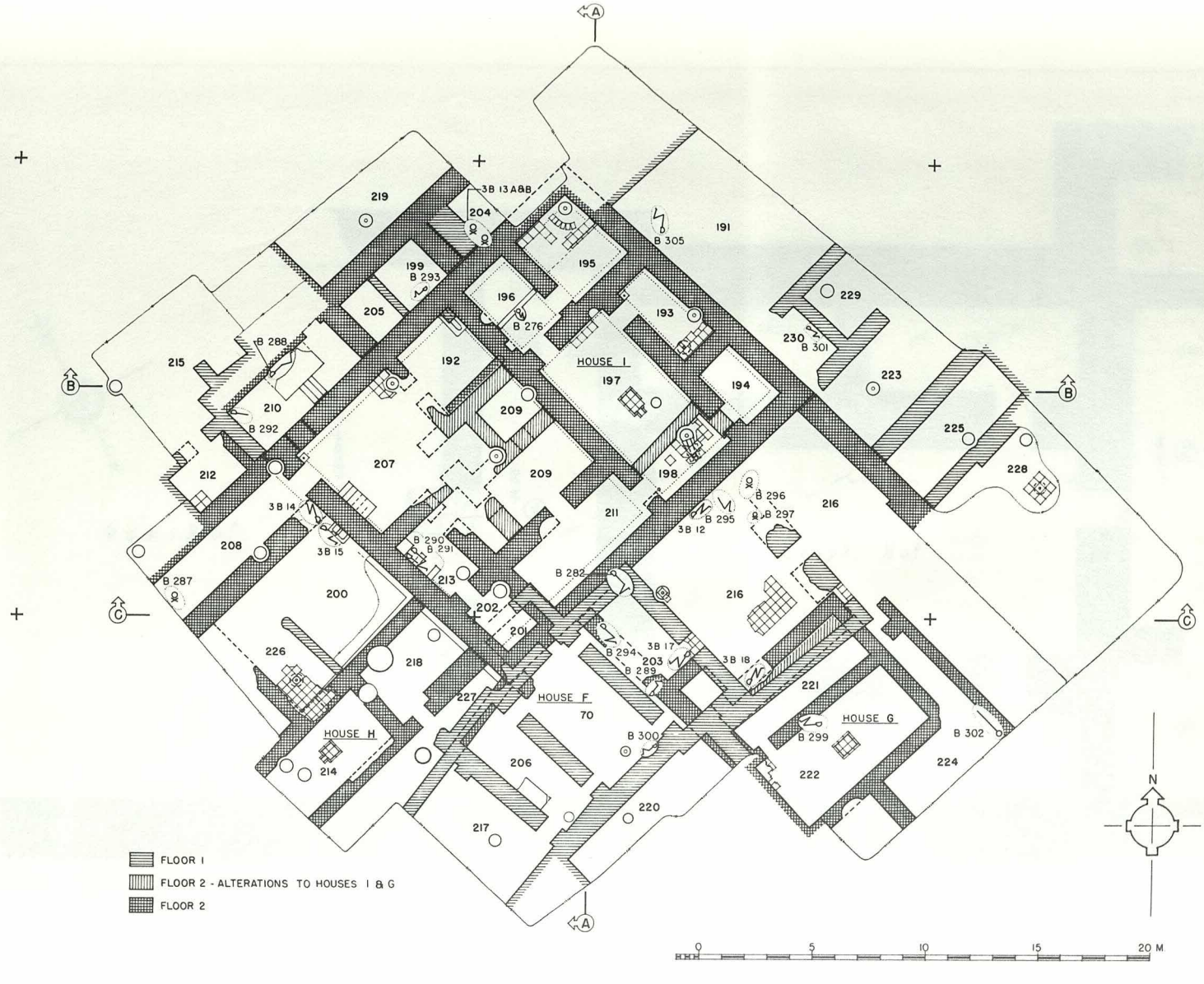

HOUSE I
HOUSE F
HOUSE G
HOUSE H
FLOOR 1
FLOOR 2 - ALTERATIONS TO HOUSES I & G
FLOOR 2
N
0
5
10
15
20 M

Fig. 146

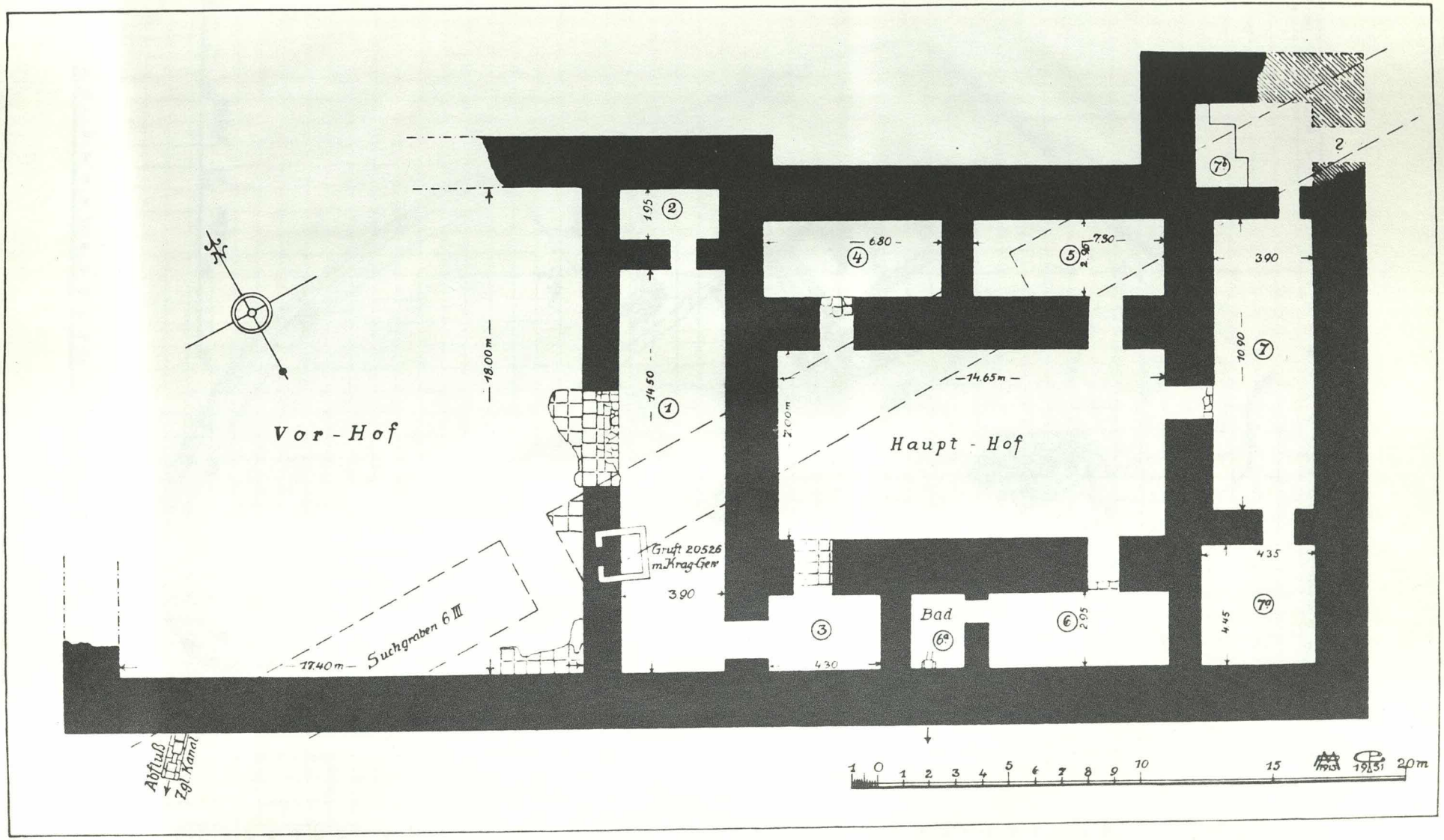

Vor-Hof
Haupt-Hof
Bad
Gruft 20526
m. Krag-Gew
Suchgraben 6 III
17.40m
18.00m
14.50
14.65m
7.00m
10.90
6.80
7.30
3.90
4.35
4.45
2.95
4.30
3.90
1.05
2.80
Abfluß
Zgl. Kanal
1 0 1 2 3 4 5 6 7 8 9 10 15 20m
1931
1931

Fig. 147

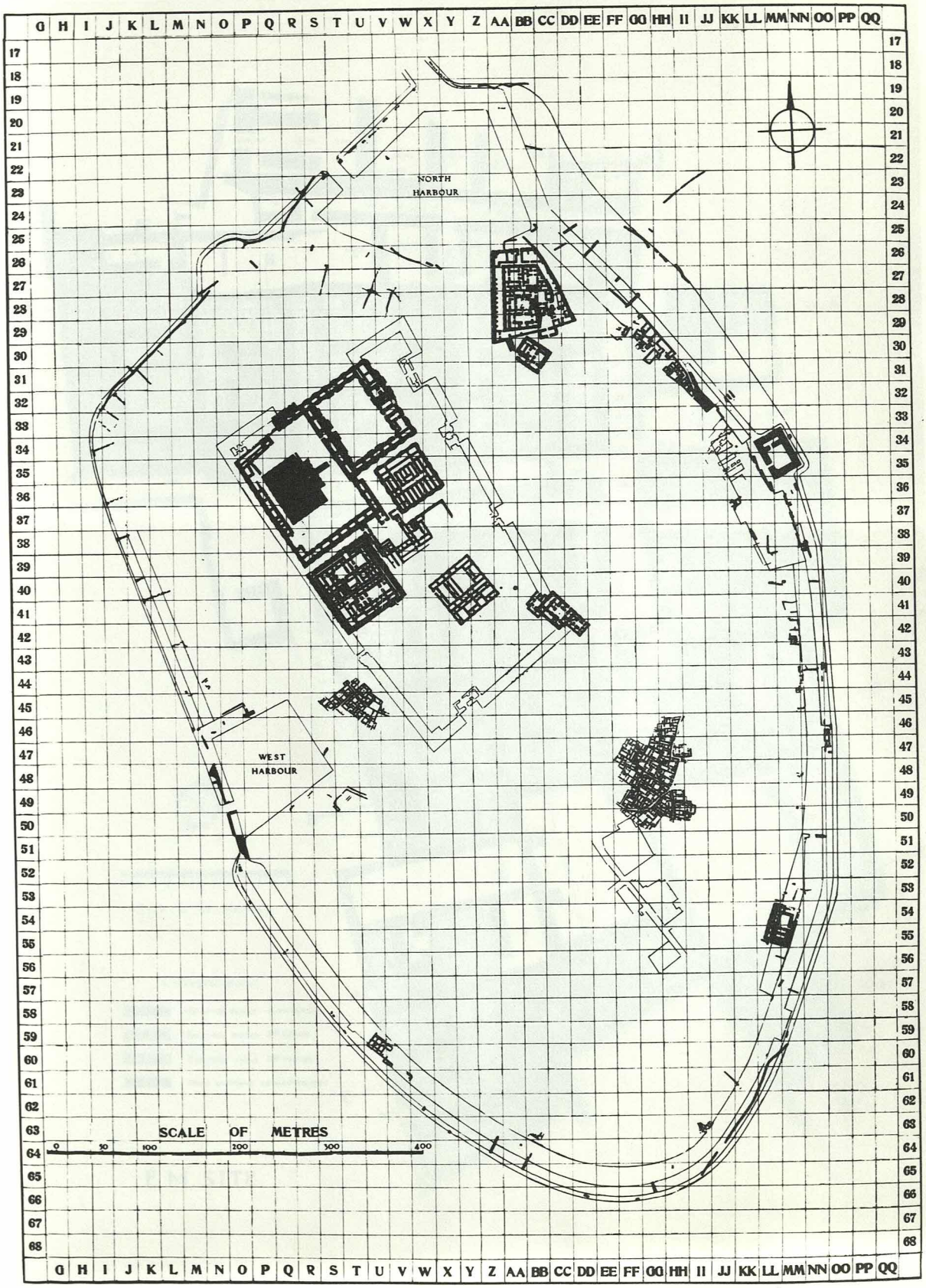

NORTH HARBOUR
WEST HARBOUR
SCALE OF METRES
0 50 100 200 300 400

Fig. 148

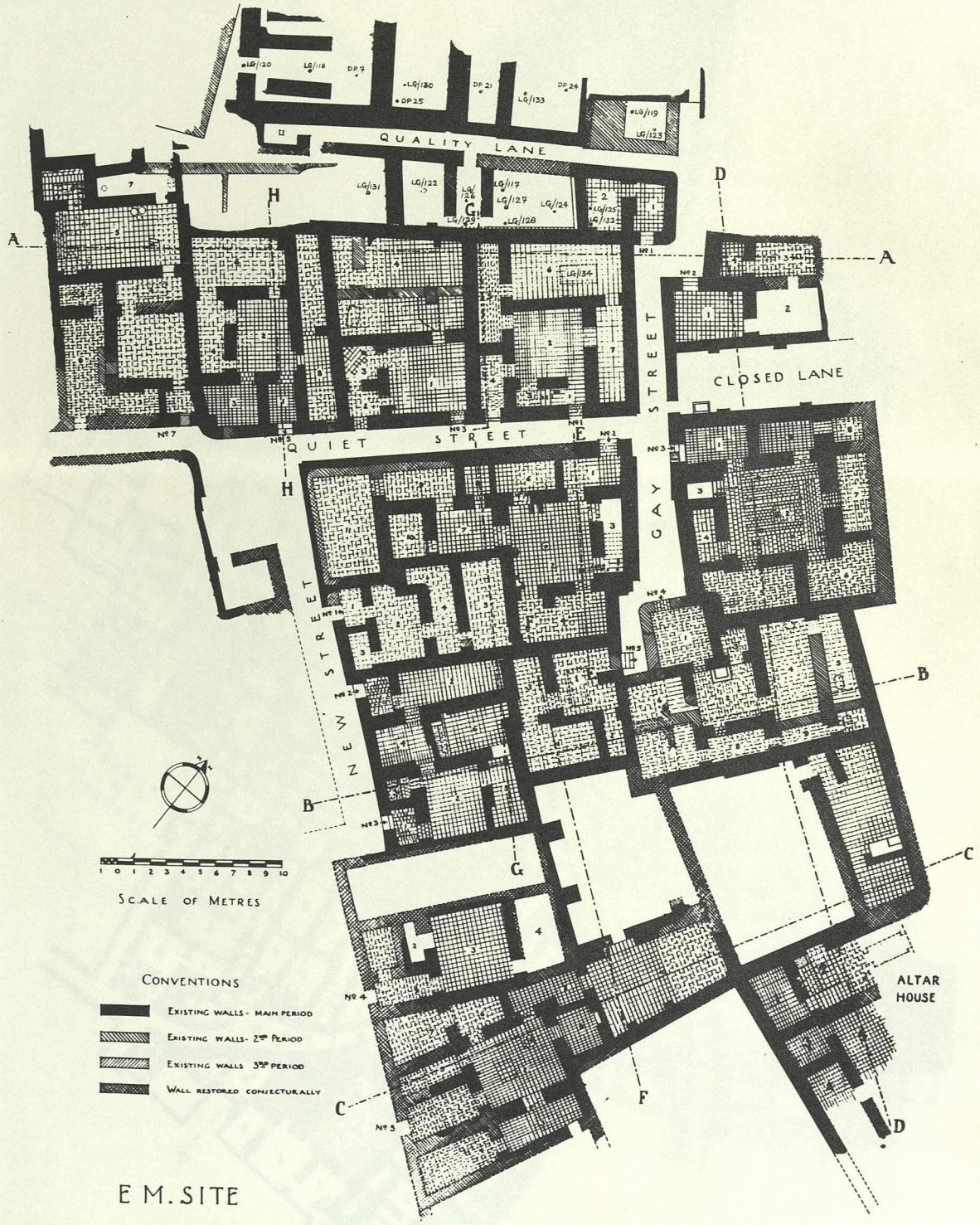

QUALITY LANE
QUIET STREET
GAY STREET
CLOSED LANE
NEW STREET
ALTAR HOUSE
SCALE OF METRES
CONVENTIONS
EXISTING WALLS - MAIN PERIOD
EXISTING WALLS - 2ND PERIOD
EXISTING WALLS 3RD PERIOD
WALL RESTORED CONJECTURALLY
E M. SITE

Fig. 149

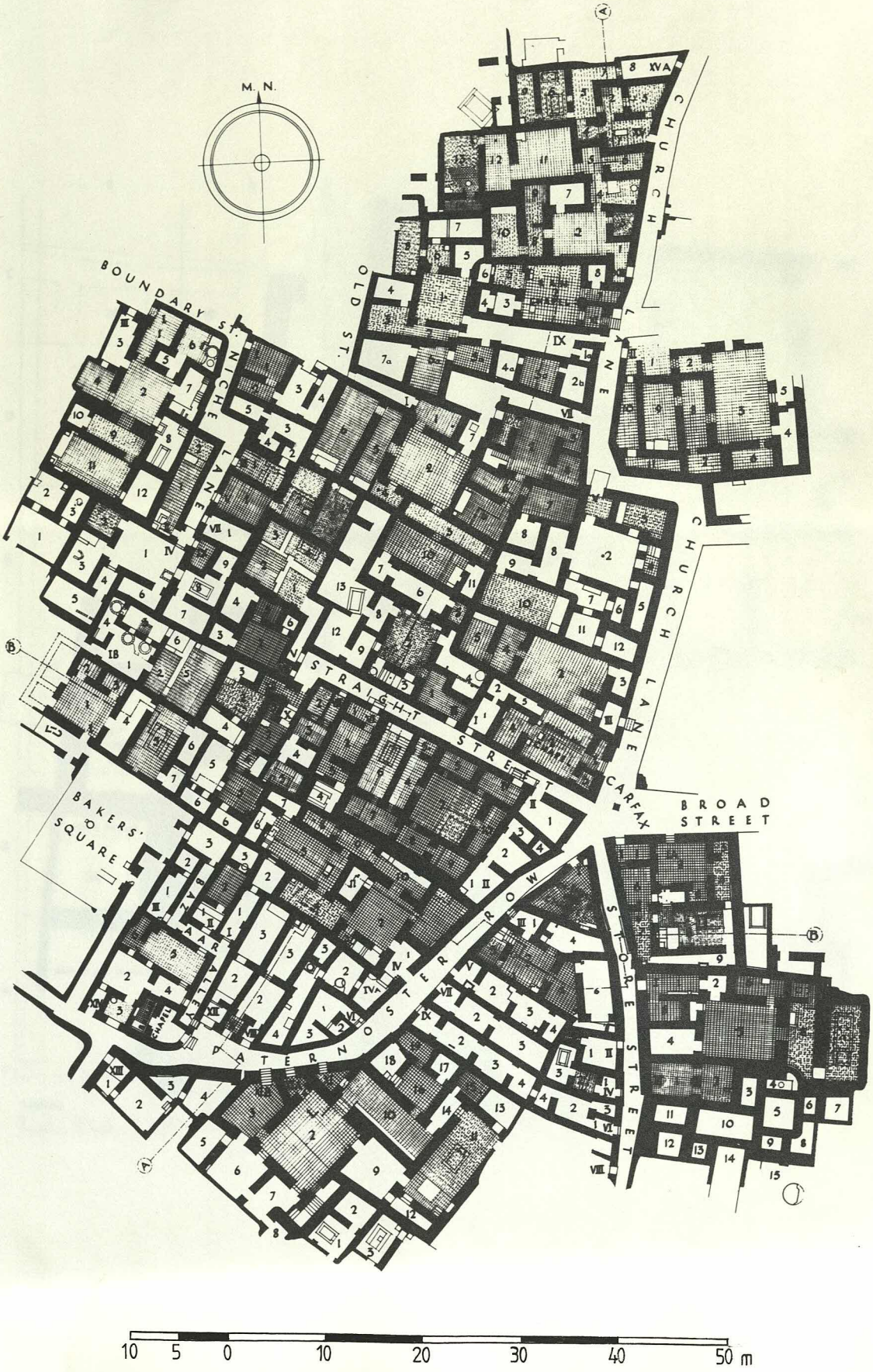

M. N.
BOUNDARY ST.
CHURCH LANE
OLD ST.
CHURCH LANE
STRAIGHT STREET
CARFAX
BROAD STREET
BAKERS' SQUARE
PATERNOSTER ROW
STORE STREET
A
B
10 5 0 10 20 30 40 50 m

Fig. 150

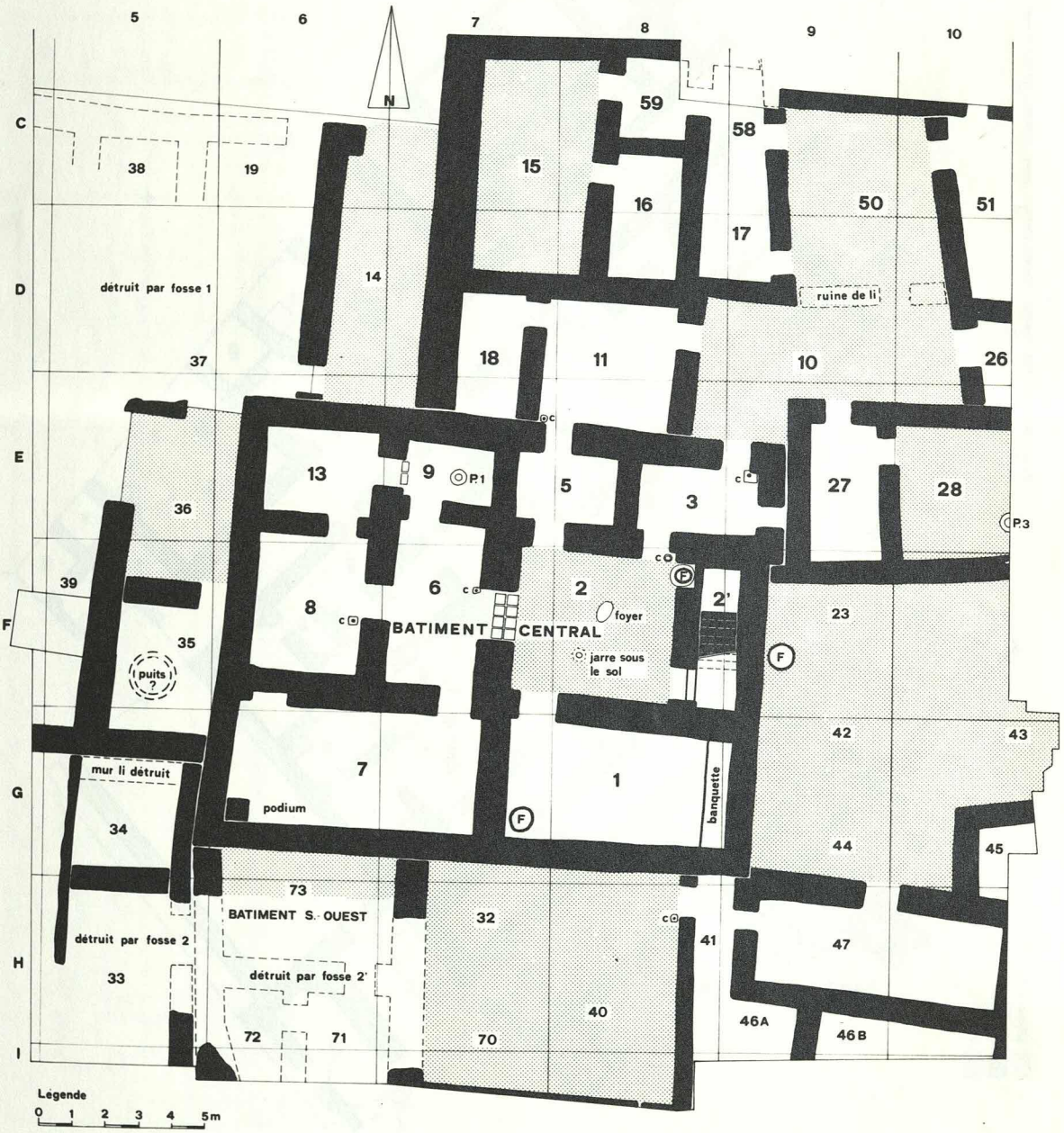

5
6
7
8
9
10
N
C
D
E
F
G
H
I
38
19
59
58
15
16
50
51
17
14
détruit par fosse 1
ruine de li
37
18
11
10
26
13
9
P.1
5
3
27
28
P.3
36
39
6
2
2'
8
foyer
BATIMENT CENTRAL
23
35
puits ?
jarre sous le sol
42
43
mur li détruit
7
1
banquette
podium
34
44
45
73
BATIMENT S.-OUEST
32
41
47
détruit par fosse 2
détruit par fosse 2'
33
40
46A
46B
72
71
70
Légende
0 1 2 3 4 5m

Fig. 151

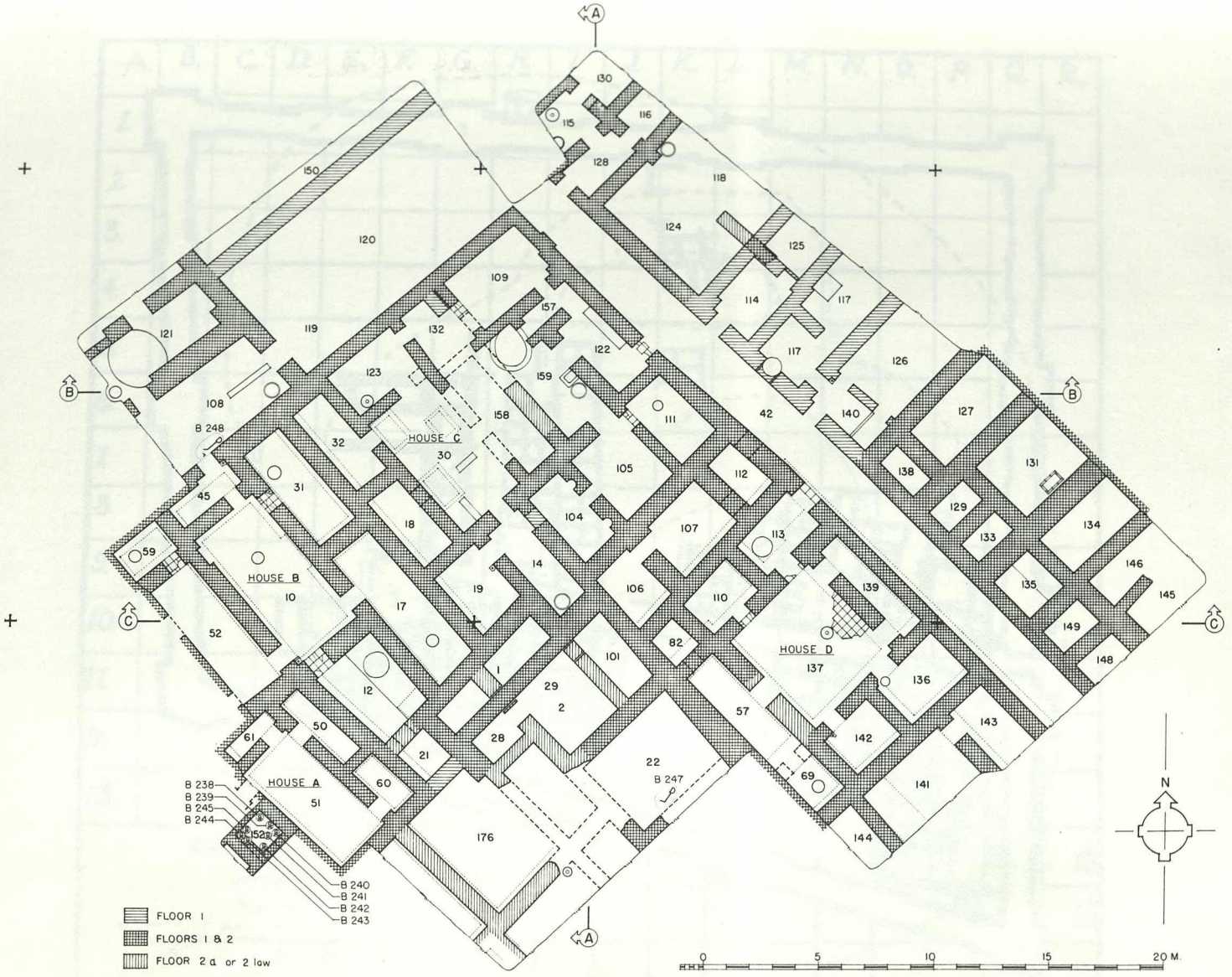

HOUSE A
HOUSE B
HOUSE C
HOUSE D
B 238
B 239
B 245
B 244
B 240
B 241
B 242
B 243
B 247
B 248
FLOOR 1
FLOORS 1 & 2
FLOOR 2 a or 2 low
N
0
5
10
15
20 M.

Fig. 152

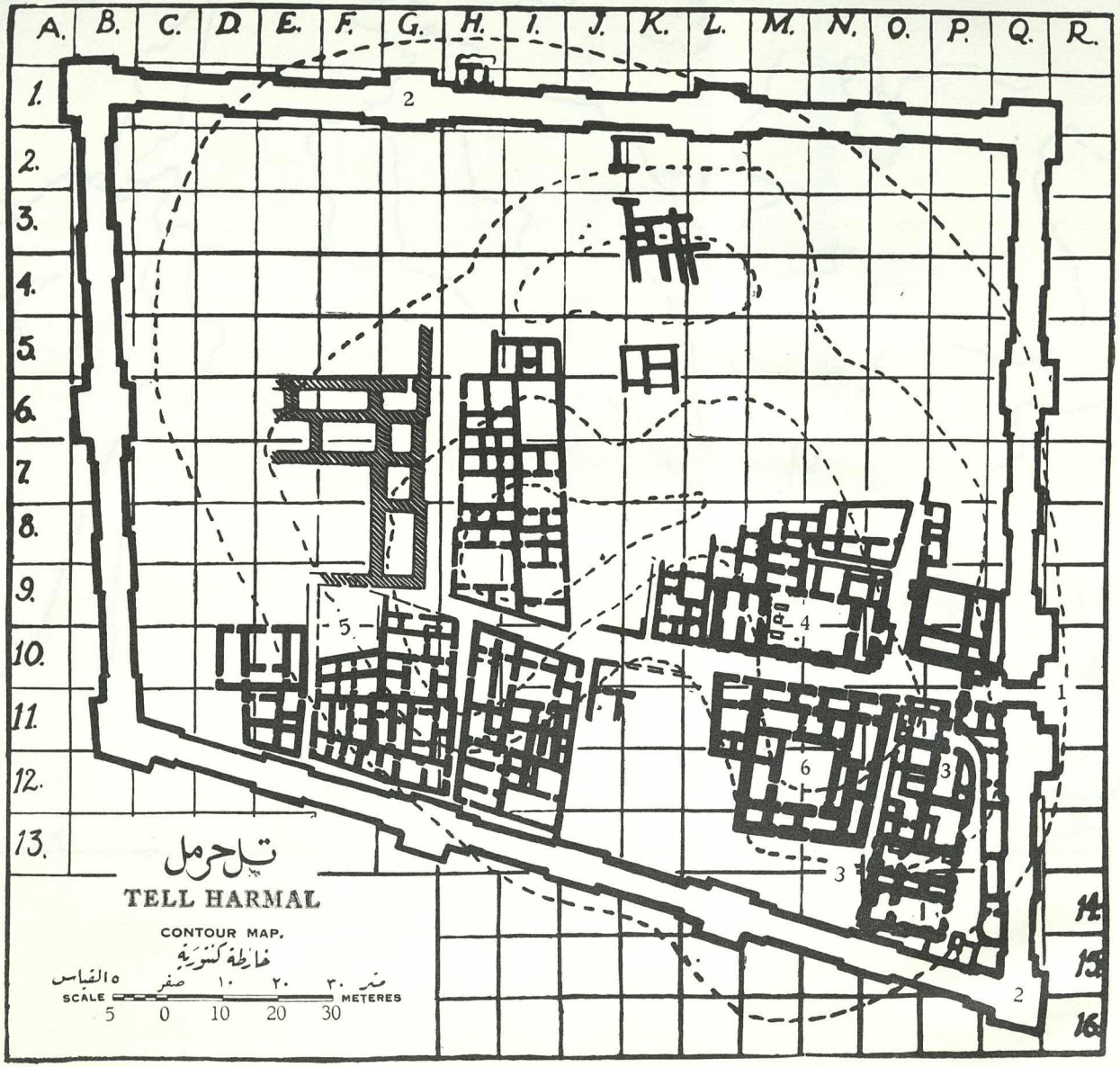

A. B. C. D. E. F. G. H. I. J. K. L. M. N. O. P. Q. R.
1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16.
2
5
4
1
6
3
3
2
تل حرمل
TELL HARMAL
CONTOUR MAP.
خارطة كنتورية
مقياس ٥ صفر ١٠ ٢٠ ٣٠ متر
SCALE 5 0 10 20 30 METERES

Fig. 153

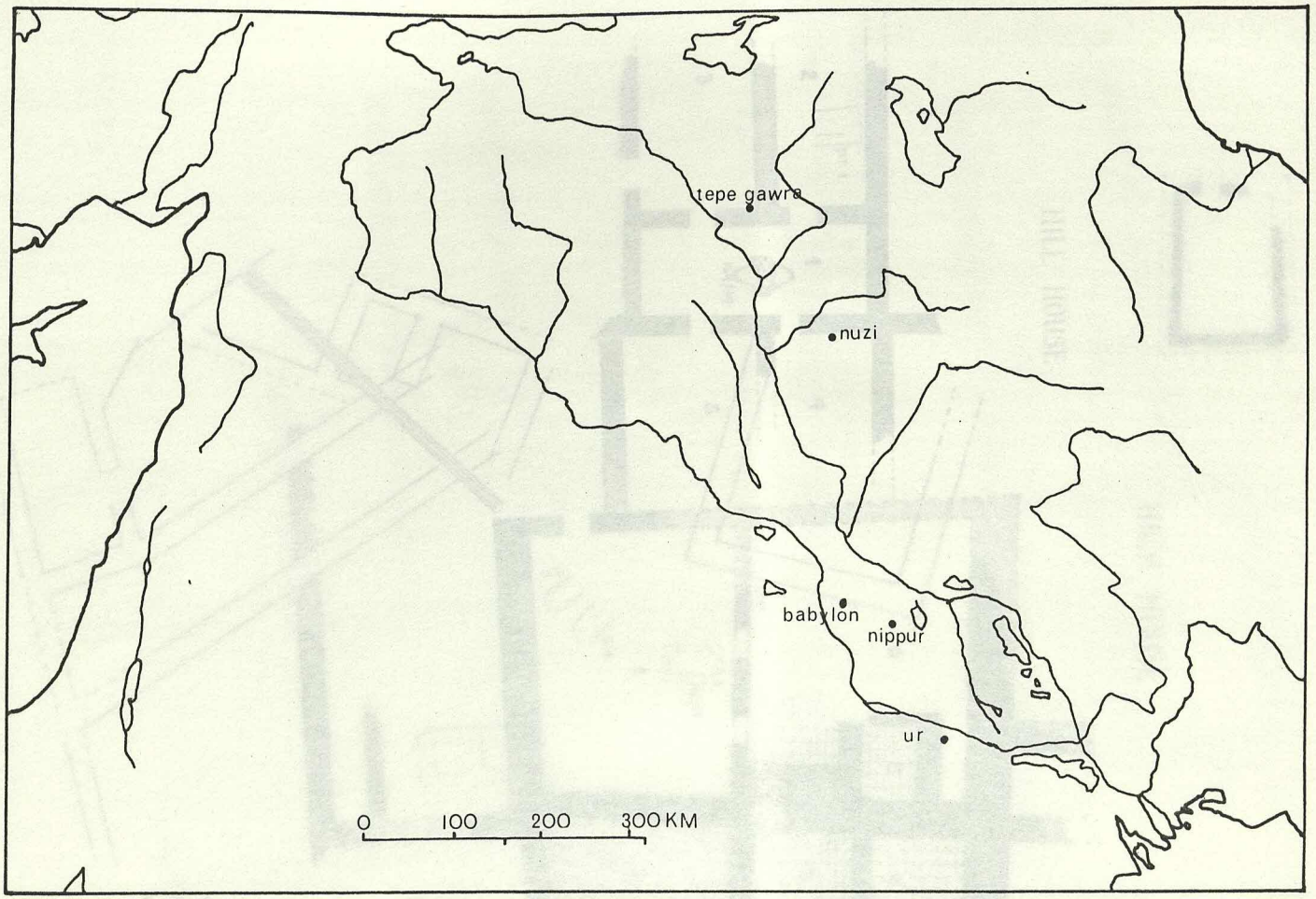


Fig. 154

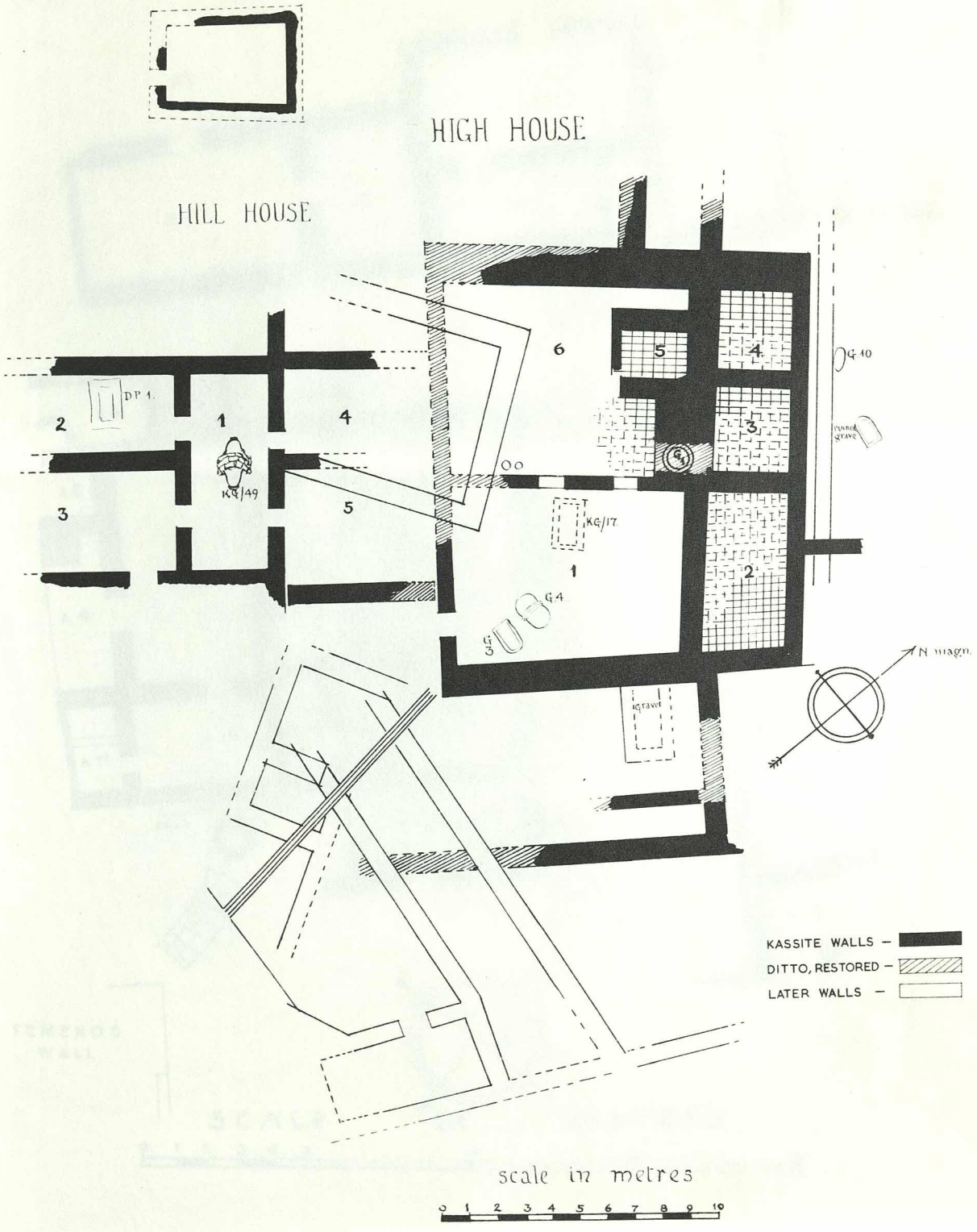

HIGH HOUSE
HILL HOUSE
DP 1
KG/49
KG/17
G 4
G 10
found grave
N magn.
KASSITE WALLS –
DITTO, RESTORED –
LATER WALLS –
scale in metres
0 1 2 3 4 5 6 7 8 9 10

Fig. 155

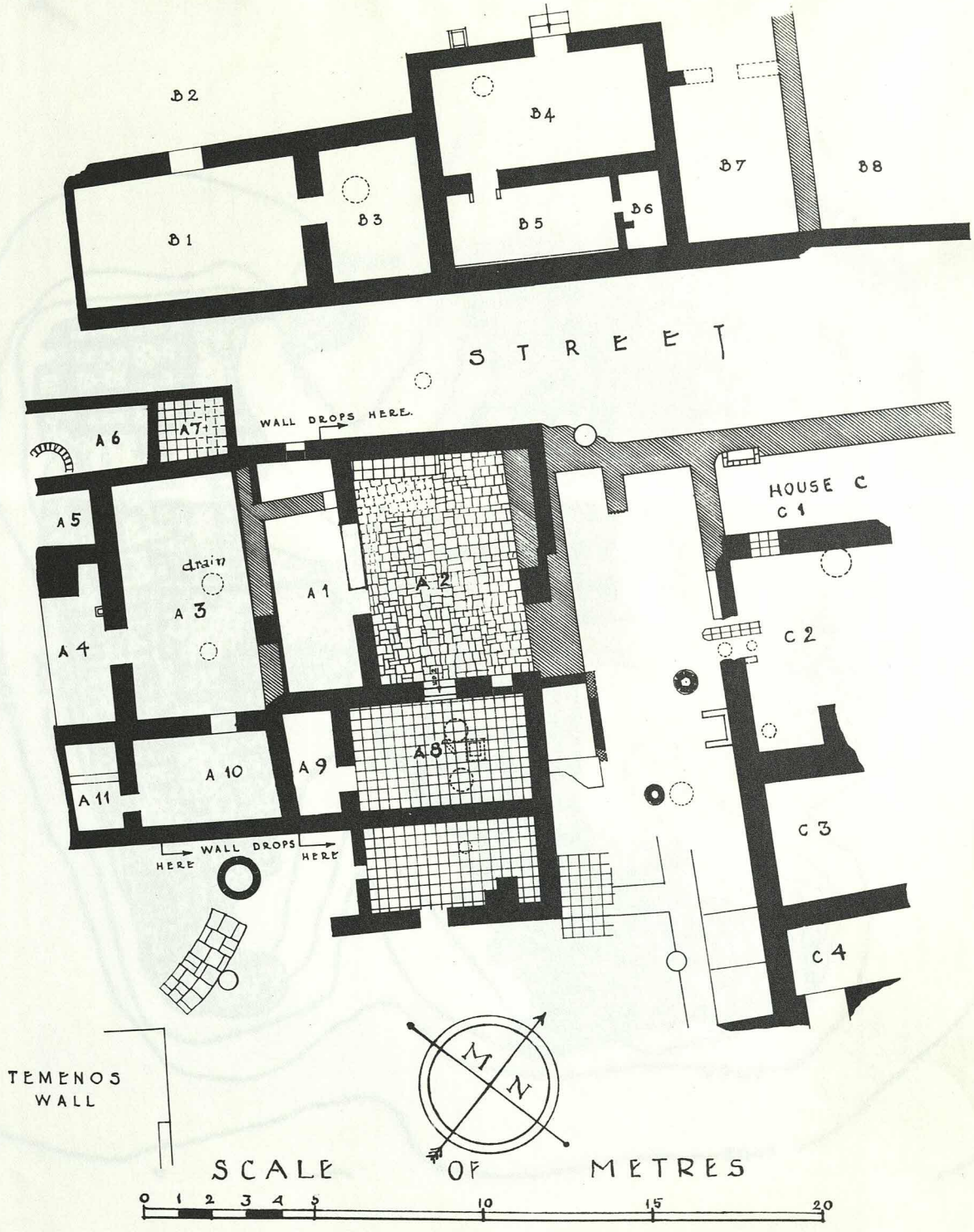

B2
B4
B7
B8
B1
B3
B5
B6
STREET
A6
A7
WALL DROPS HERE.
HOUSE C
C1
A5
drain
A1
A2
A3
A4
C2
A8
A10
A9
A11
WALL DROPS HERE
HERE
C3
C4
TEMENOS WALL
M
N
SCALE OF METRES
0 1 2 3 4 5 10 15 20

Fig. 156

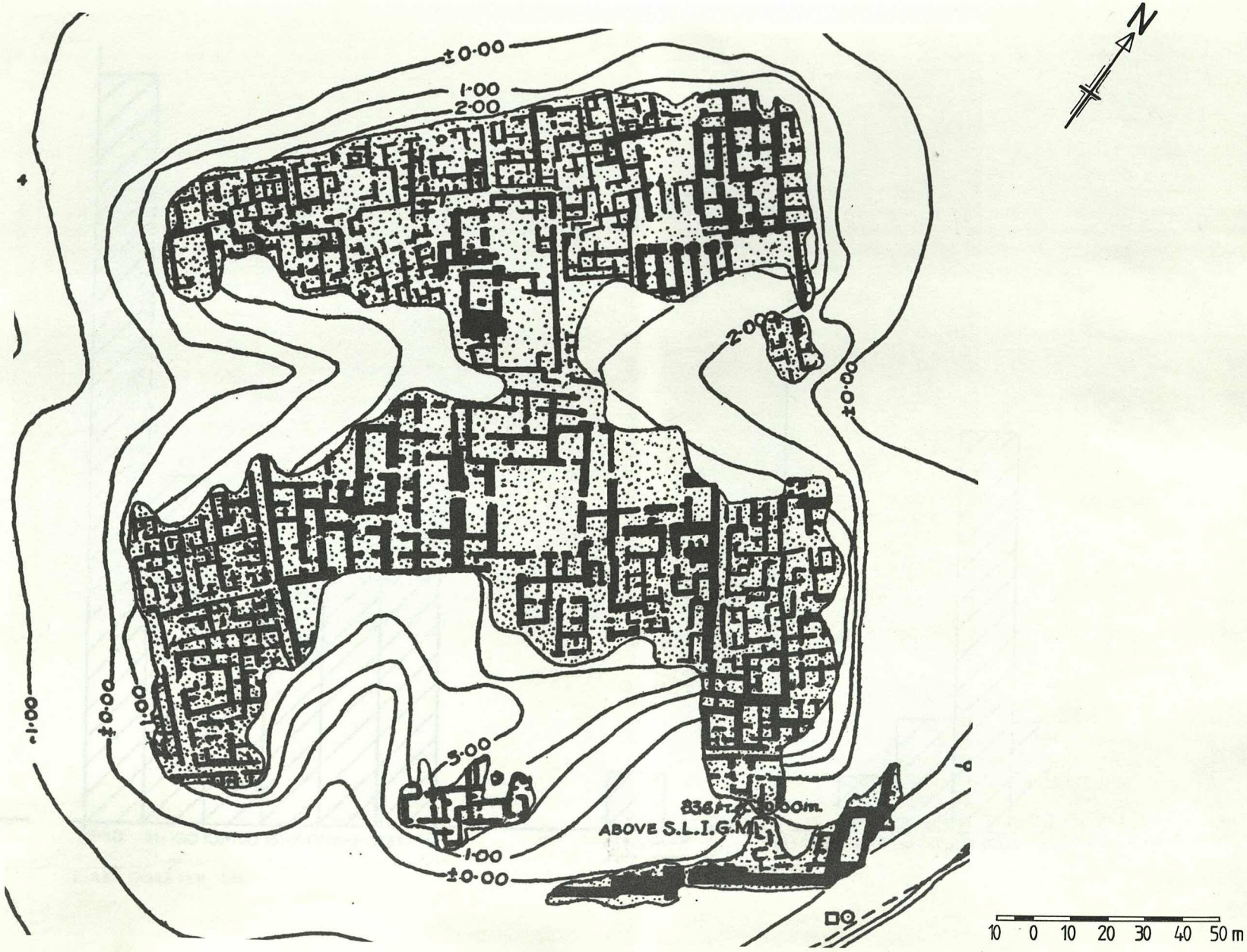
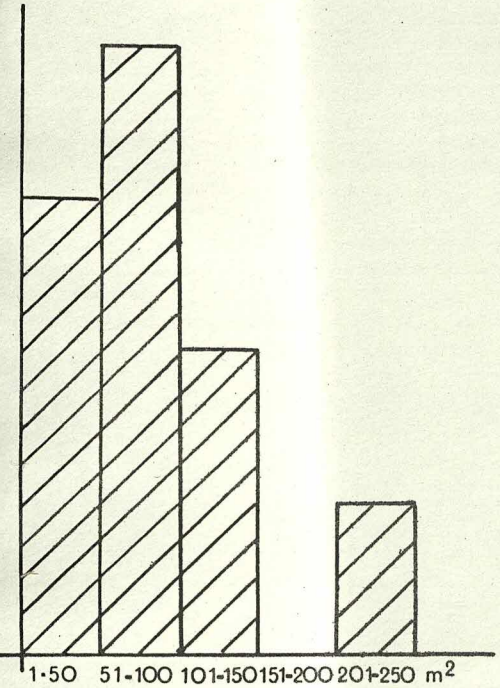
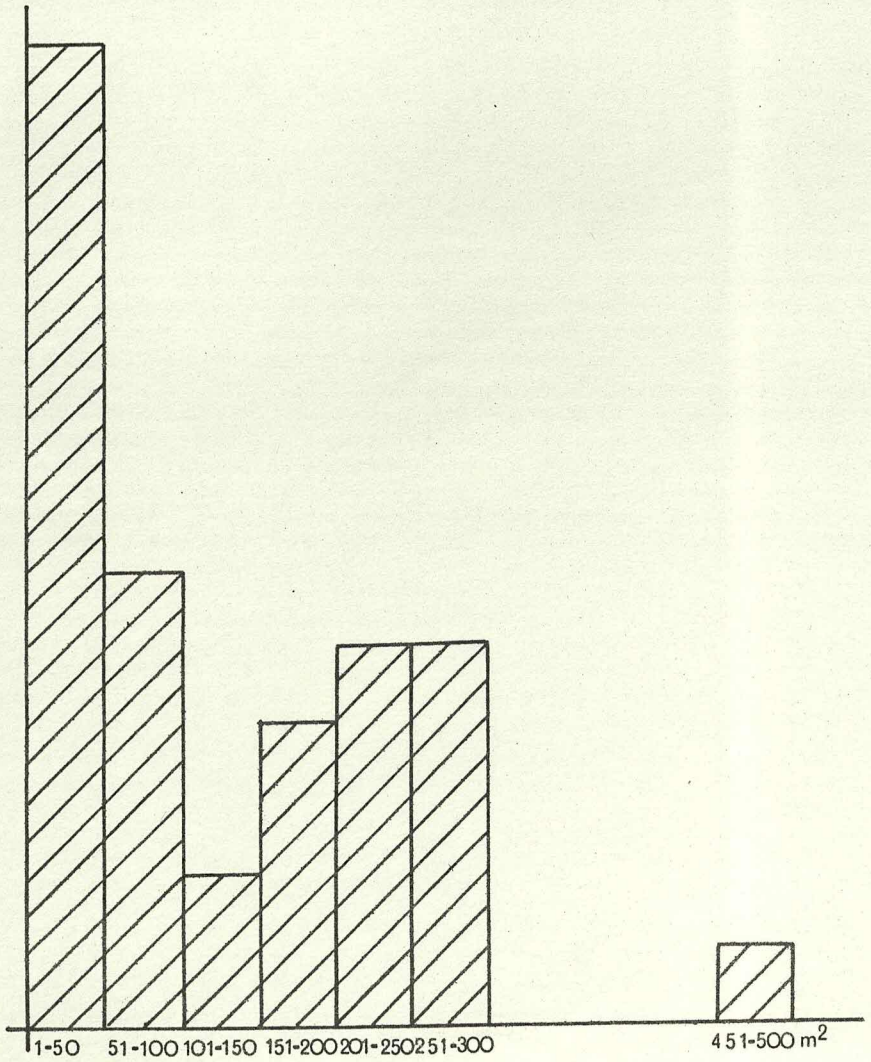

±0·00
1·00
2·00
2·00
±0·00
-1·00
±0·00
1·00
3·00
836ft. (255m.
ABOVE S.L.I.G.M.)
1·00
±0·00
N
10 0 10 20 30 40 50 m

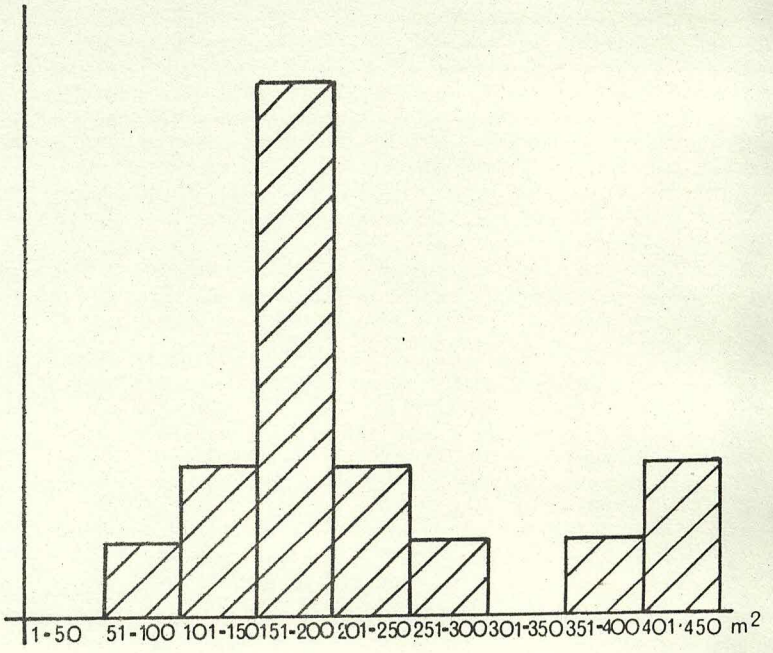
Fig. 157



1.STRATUM VA TELL ASMAR



2.AH QUARTER UR



3.STRATUM II NUZI

Fig. 158